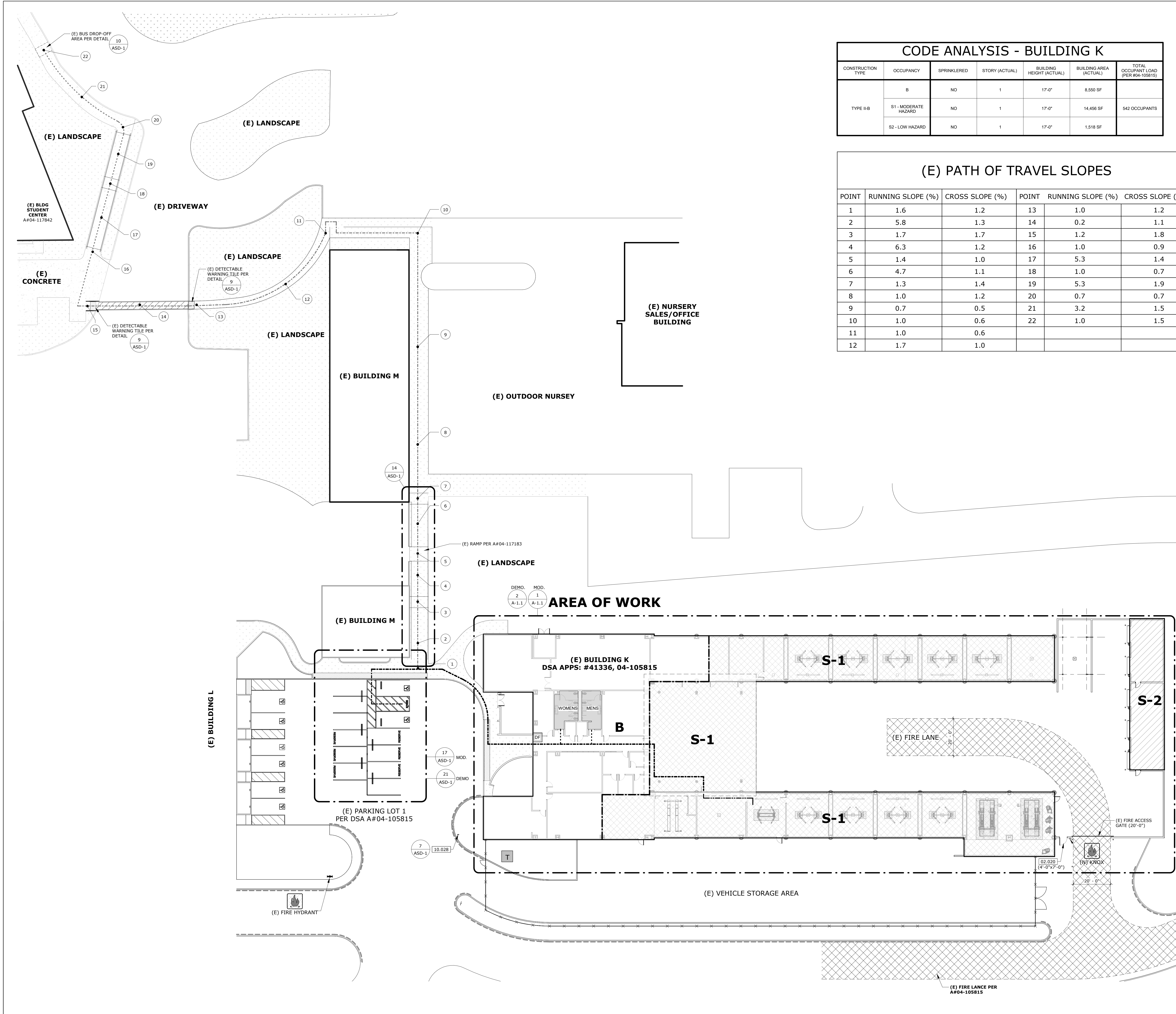


G-1



CODE ANALYSIS - BUILDING K						
CONSTRUCTION TYPE	OCCUPANCY	SPRINKLERED	STORY (ACTUAL)	BUILDING HEIGHT (ACTUAL)	BUILDING AREA (ACTUAL)	TOTAL OCCUPANT LOAD (PER #04-105815)
TYPE II-B	B	NO	1	17'-0"	8,550 SF	
	S1 - MODERATE HAZARD	NO	1	17'-0"	14,456 SF	542 OCCUPANTS
	S2 - LOW HAZARD	NO	1	17'-0"	1,518 SF	

(E) PATH OF TRAVEL SLOPES					
POINT	RUNNING SLOPE (%)	CROSS SLOPE (%)	POINT	RUNNING SLOPE (%)	CROSS SLOPE (%)
1	1.6	1.2	13	1.0	1.2
2	5.8	1.3	14	0.2	1.1
3	1.7	1.7	15	1.2	1.8
4	6.3	1.2	16	1.0	0.9
5	1.4	1.0	17	5.3	1.4
6	4.7	1.1	18	1.0	0.7
7	1.3	1.4	19	5.3	1.9
8	1.0	1.2	20	0.7	0.7
9	0.7	0.5	21	3.2	1.5
10	1.0	0.6	22	1.0	1.5
11	1.0	0.6			
12	1.7	1.0			

AGENCY APPROVAL
DIV. OF THE STATE ARCHITECT
APP: 04-124611 INC.
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 07/30/2026

STAMPS

CONSULTANT BRANDING

RUHNAU
CLARKE
ARCHITECTS

- GENERAL NOTES
1.

ALL NEW AUTO LIFTS TO BE OFCI
2.

VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
3.

ALL EXISTING CONDITIONS TO REMAIN UNLESS NOTED OTHERWISE.
4.

PATCH AND REPAIR ANY PAVING DAMAGED CAUSED BY DEMOLITION. REPAIR TO MATCH EXISTING.
5.

COMPLIANCE WITH CBC AND CFC CH 33 – FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. REFER TO DSA BULLETIN 24-05 FOR FURTHER INFORMATION.
6.

AS REQUIRED BY NEW WORK CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING ITEMS INCLUDING BUT NOT LIMITED TO: UNDERGROUND POWER, DATA, LOW VOLTAGE, OTHER UTILITY CONDUITS, VAULTS AND IN-GROUND UTILITY STRUCTURES WITHIN SCOPE OF WORK, ETC., U.N.O.
7.

PATCH PAVING WHERE AFFECTED BY WORK INCLUDING BUT NOT LIMITED TO UTILITY TRENCHING. REFER TO DETAILS 6/ASB-1. DEMOLISH CONCRETE PAVING AFFECTED BY WORK FROM EXISTING JOINT TO EXISTING JOINT (BETWEEN JOINTS) AND PATCH.
8.

THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND IT IS THEIR SOLE RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE EXTENT OF THE DEMOLITION BASED UPON THE PROPOSED NEW WORK.
9.

THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL ITEMS THAT ARE TO BE DEMOLISHED (ABOVE AND BELOW GROUND). ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND BE REMOVED AS REQUIRED BY STATE AND LOCAL LAWS.
10.

CONTRACTOR IS RESPONSIBLE FOR INFORMING THE ARCHITECT IF ANY INFORMATION DOES NOT MATCH EXISTING CONDITIONS OR ANY CONTRADICTIONS ARE FOUND IN PLANS

KEYNOTES

02.020

(E) STEEL GATE TO REMAIN, PROTECT IN PLACE

10.028

TOW-AWAY SIGN

LEGEND

--- --

SCOPE OF WORK LIMIT

EXISTING PATH OF TRAVEL PER DSA APPLICATION #04-105815

EXISTING PATH OF TRAVEL PER DSA APPLICATION #04-117183

EXISTING PATH OF TRAVEL PER DSA APPLICATION #04-117842

AREA OF WORK

(E) CONCRETE

(E) LANDSCAPE

W

M

(E) ACCESSIBLE RESTROOMS PER DSA A#04-105815 FOR ADDITIONAL INFORMATION SEE DETAIL

DF

(E) ACCESSIBLE DRINKING FOUNTAIN PER DSA A#04-105815 FOR ADDITIONAL INFORMATION SEE DETAIL

3

A-1.4

(E) ACCESSIBLE RESTROOMS PER DSA A#04-105815 FOR ADDITIONAL INFORMATION SEE DETAIL

2

A-1.4

(E) ACCESSIBLE DRINKING FOUNTAIN PER DSA A#04-105815 FOR ADDITIONAL INFORMATION SEE DETAIL

20'-0"

U.N.O.

(E) CONCRETE CURB, PAINTED RED WITH WHITE FIRE LANE - NO PARKING

20'-0"

U.N.O.

(E) FIRE LANE PER A# 04-105815

20'-0"

U.N.O.

INDICATES 20'-0" MIN. WIDE DRIVES, FIRE TRUCK ACCESS LANE WITH NOT LESS THAN 13'-6" VERTICAL CLEARANCE PER CFC 2025 EDITION. CONTRACTOR TO PROVIDE ALL REQUIRED PAINTING OR CURBS AND PROVIDE ALL SIGNAGE PER LOCAL FIRE AUTHORITY REQUIREMENTS. FIRE LANE SHALL SUSTAIN A LOAD OF 70,000 LBS. MIN.

20'-0"

U.N.O.

INDICATES MINIMUM TURNING RADIUS FOR THE FIRE TRUCK ACCESS

NOTE:

CONTRACTOR TO PROVIDE, 1-COAT PRIMER & 2-COAT PAINT AT FULL BUILDING EXTERIOR, INCLUDING:

•

EXTERIOR PLASTER

•

EXPOSED STEEL ELEMENTS

•

EDGE FLASHING

•

CONCRETE COLUMNS

•

WALL TRIM

•

DOORS

•

DOOR FRAMES

CONTRACTOR TO TEMPORARILY REMOVE ANY EXISTING ELEMENTS FROM SURFACES TO RECEIVE NEW PAINT AND REINSTALL PER EXISTING CONDITIONS.

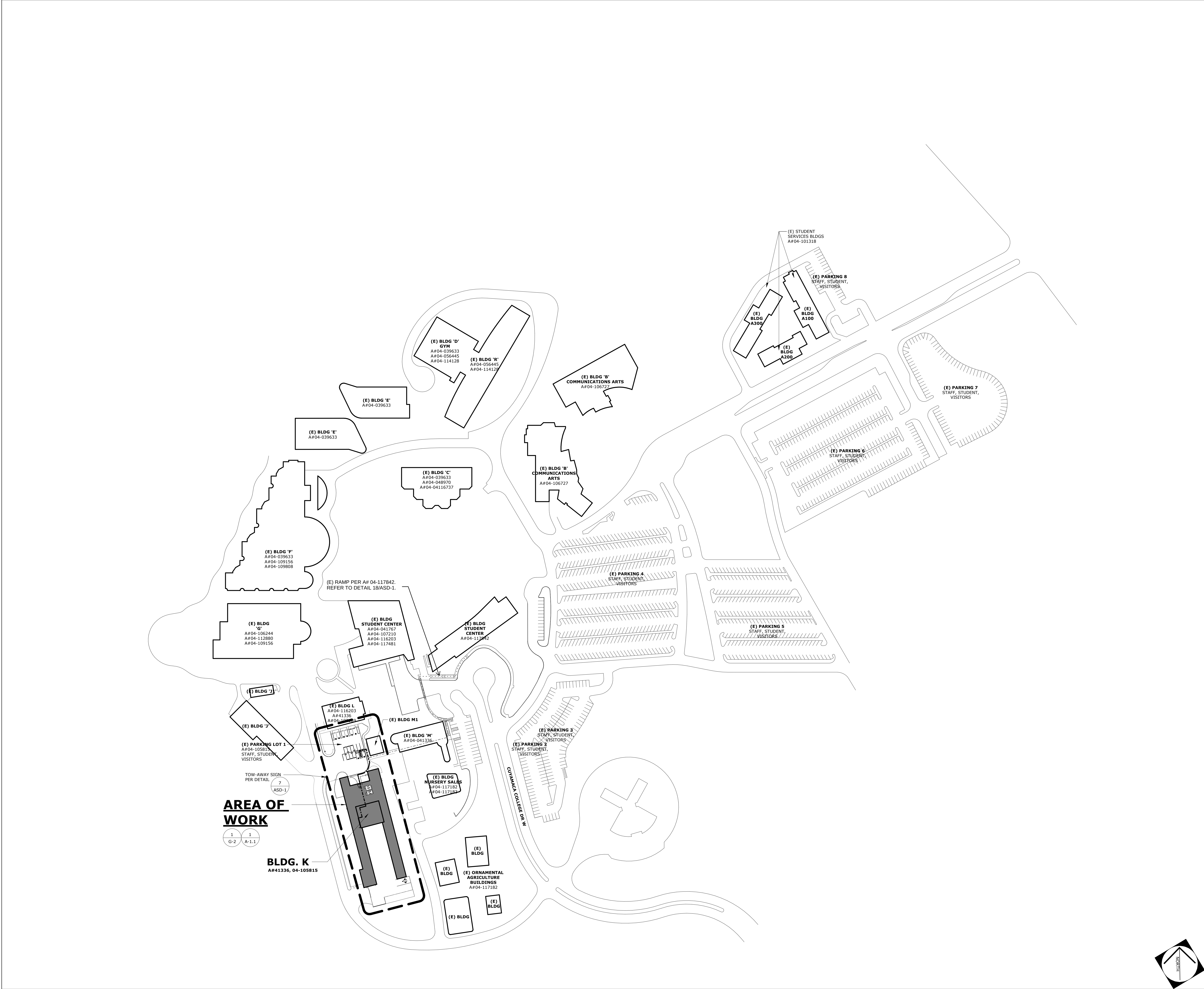
ELEMENTS TO EXCLUDE:

•

ROLL-UP DOORS

•

PARKING STEEL SHADE STRUCTURE



PROJECT No. :1-110-01

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OVERALL CAMPUS SITE PLAN

SCALE: 1" = 100'-0"

1

BUILDING K AUTO LIFTS REPLACEMENT PROJECT

CUYAMACA COMMUNITY COLLEGE

900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019

GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT

AGENCY APPROVAL

FIG No: 31-CS

A#04-124611

IDENTIFICATION STAMP

APP: 04-124611 INC:

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 07/30/2026

STAMPS

CONSULTANT BRANDING

RUHNAU

CLARKE

ARCHITECTS

GENERAL NOTES

- ALL NEW AUTO LIFTS TO BE OFCI
- VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- ALL EXISTING CONDITIONS TO REMAIN UNLESS NOTED OTHERWISE.
- PATCH AND REPAIR ANY PAVING DAMAGED CAUSED BY DEMOLITION. REPAIR TO MATCH EXISTING.
- COMPLIANCE WITH CBC AND CFC CH 33 – FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION. REFER TO DSA BULLETIN 24-05 FOR FURTHER INFORMATION.
- AS REQUIRED BY NEW WORK CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL EXISTING ITEMS INCLUDING BUT NOT LIMITED TO: UNDERGROUND POWER, DATA, LOW VOLTAGE, OTHER UTILITY CONDUITS , VAULTS AND IN-GROUND UTILITY STRUCTURES WITHIN SCOPE OF WORK, ETC., U.N.O.
- PATCH PAVING WHERE AFFECTED BY WORK INCLUDING BUT NOT LIMITED TO UTILITY TRENCHING. REFER TO DETAILS 6/ASD-1. DEMOLISH CONCRETE PAVING AFFECTED BY WORK FROM EXISTING JOINT TO EXISTING JOINT (BETWEEN JOINTS) AND PATCH.
- THE CONTRACTOR IS RESPONSIBLE FOR THE DEMOLITION OF THE SITE AND IT IS THEIR SOLE RESPONSIBILITY TO VISIT THE SITE AND DETERMINE THE EXTENT OF THE DEMOLITION BASED UPON THE PROPOSED NEW WORK.
- THE CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL ITEMS THAT ARE TO BE DEMOLISHED (ABOVE AND BELOW GROUND). ANY HAZARDOUS MATERIALS ENCOUNTERED SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER AND BE REMOVED AS REQUIRED BY STATE AND LOCAL LAWS.
- CONTRACTOR IS RESPONSIBLE FOR INFORMING THE ARCHITECT IF ANY INFORMATION DOES NOT MATCH EXISTING CONDITIONS OR ANY CONTRADICTIONS ARE FOUND IN PLANS

LEGEND

- SCOPE OF WORK LIMIT
- EXISTING PATH OF TRAVEL PER DSA APPLICATION #04-105815
- EXISTING PATH OF TRAVEL PER DSA APPLICATION #04-117183
- EXISTING PATH OF TRAVEL PER DSA APPLICATION #04-117842

AREA OF WORK

W

M

(E) ACCESSIBLE RESTROOMS PER DSA A#04-105815 FOR ADDITIONAL INFORMATION SEE DETAIL

3

A-1.4

DF

(E) ACCESSIBLE DRINKING FOUNTAIN PER DSA A#04-105815 FOR ADDITIONAL INFORMATION SEE DETAIL

2

A-1.4

PARKING ANALYSIS

PARKING LOT	TOTAL PARKING SPACES	STANDARD PARKING SPACES	REQ'D ACCESSIBLE	PROVIDED ACCESSIBLE	REQ'D VAN ACCESSIBLE	PROVIDED VAN ACCESSIBLE
(E) LOT 1 A#04-105815	18	10	1	8	2	2

- NOTE:
- PARKING LOT CALCULATIONS PER 11B-208.2 & 11B-208.2.4
 - PARKING LOT DESIGNATED FOR STAFF, STUDENT & VISITORS.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

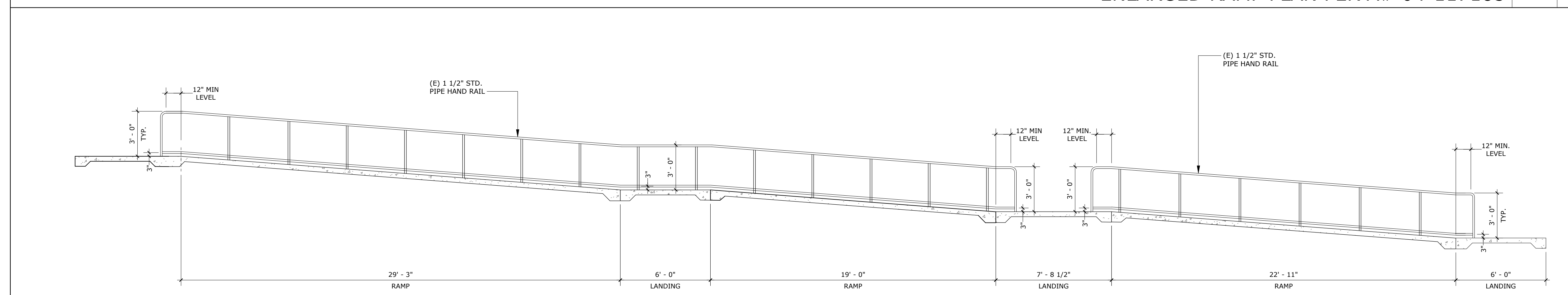
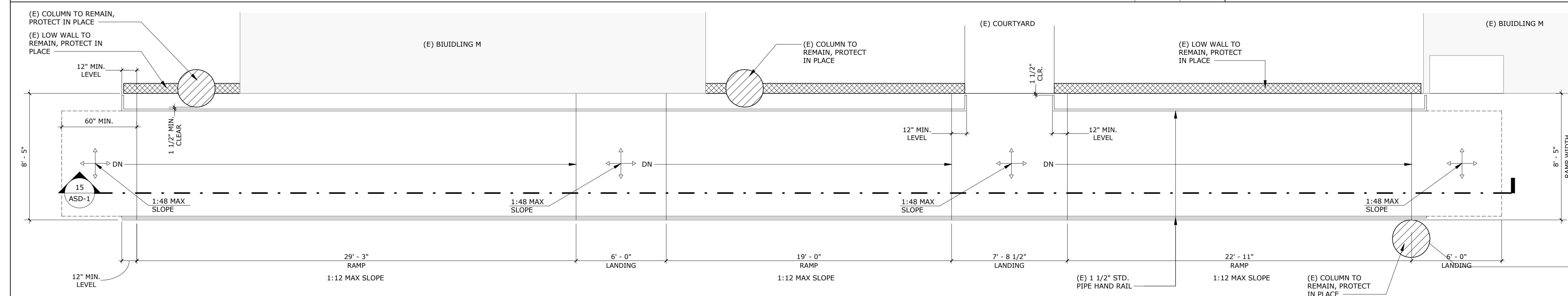
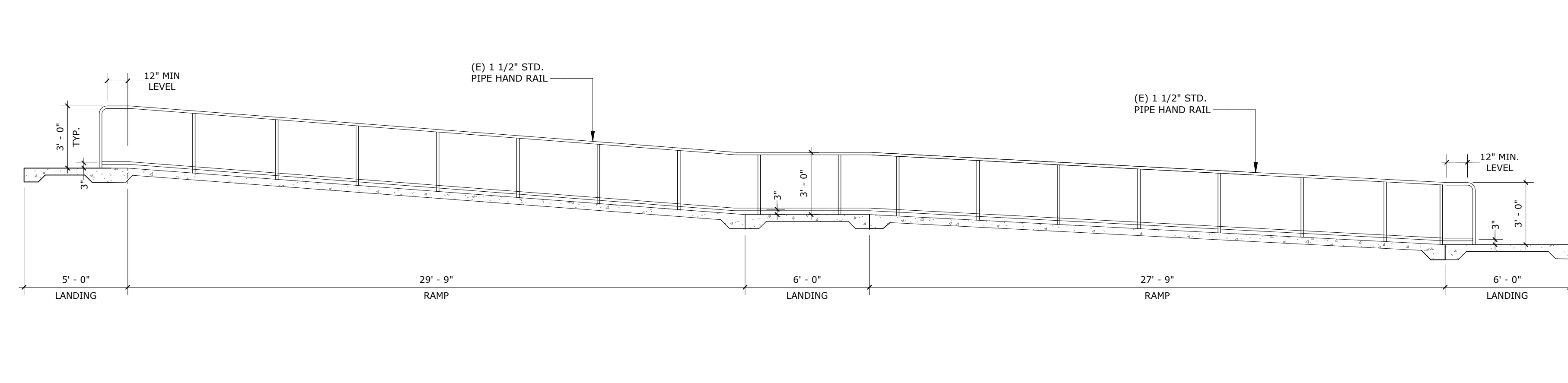
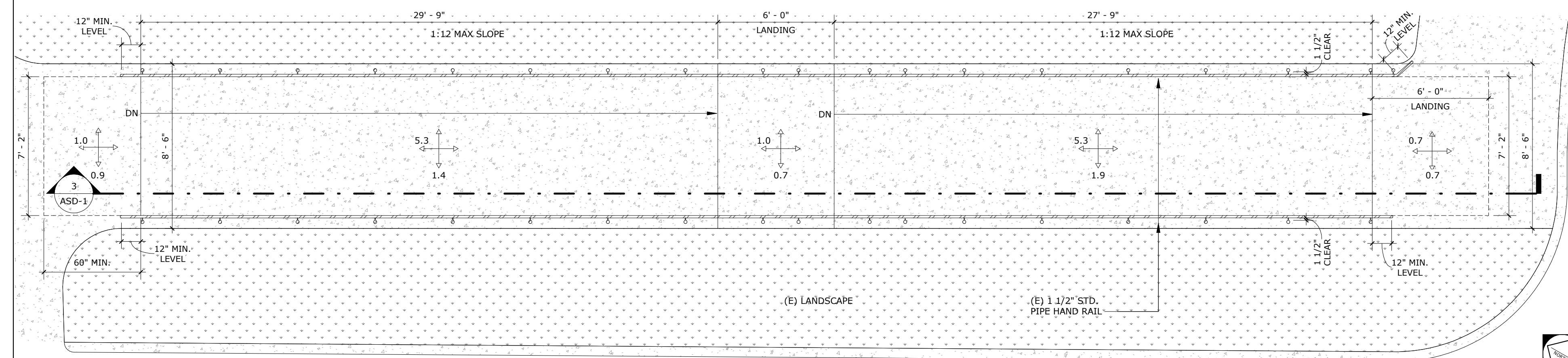
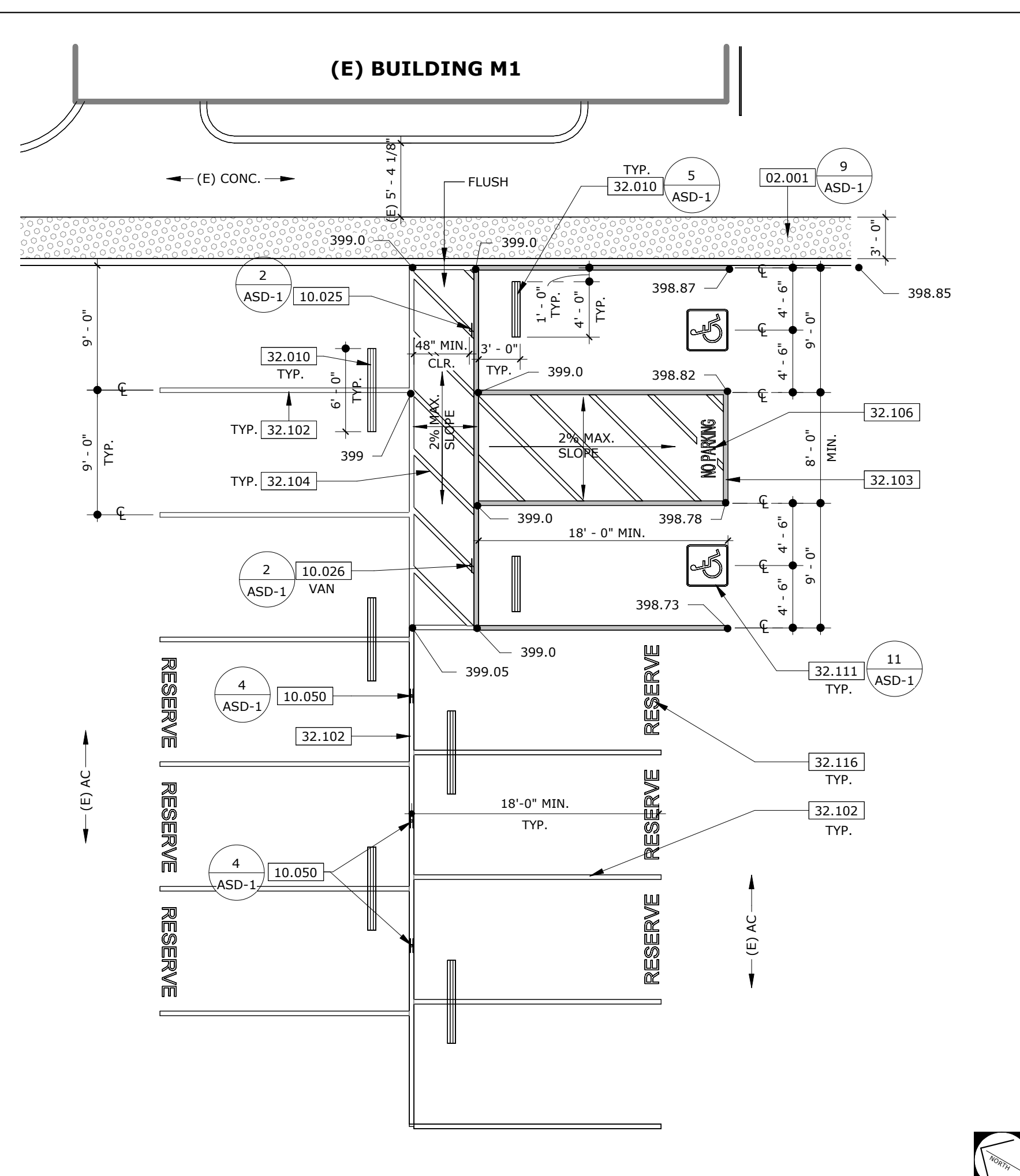
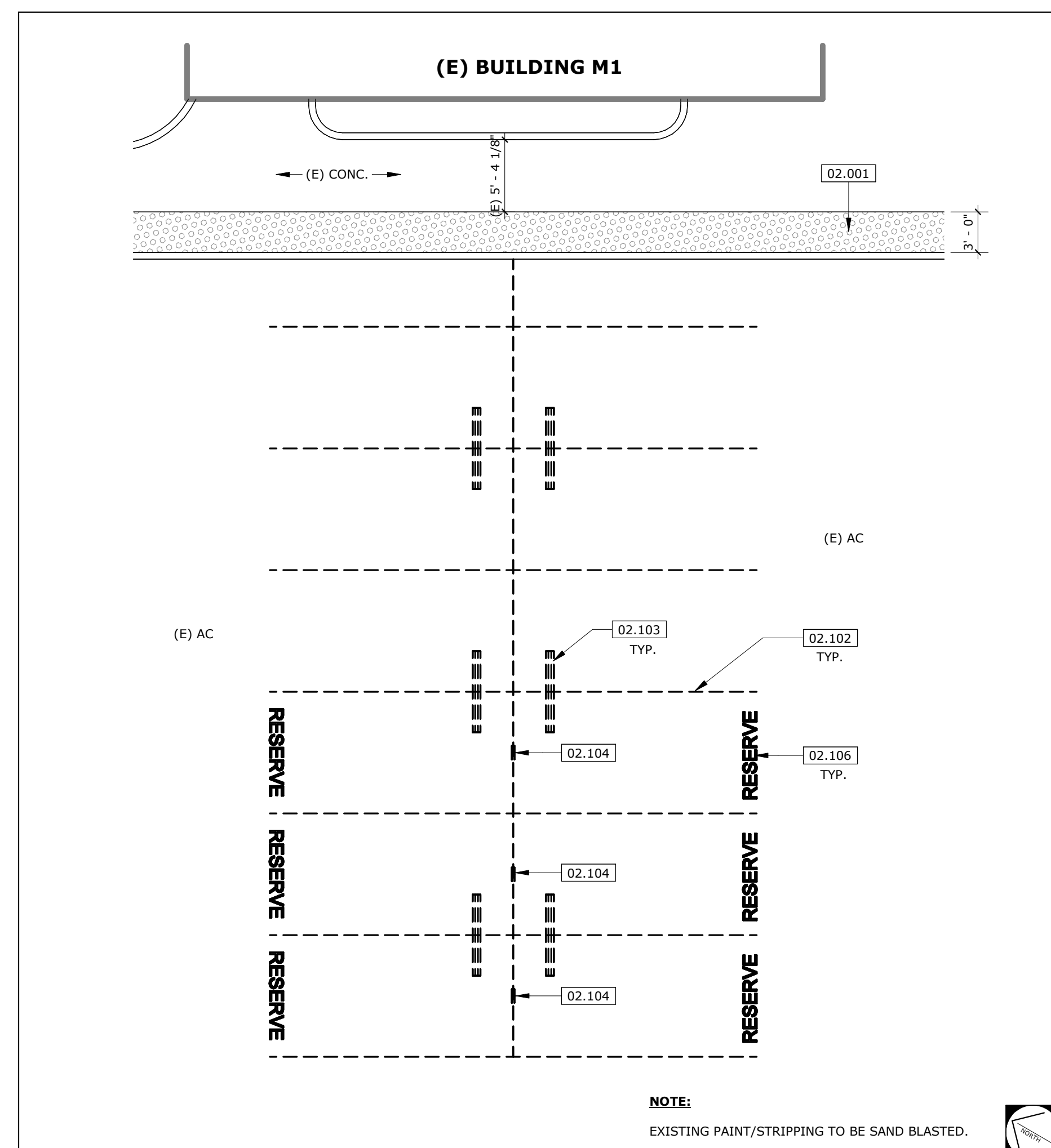
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

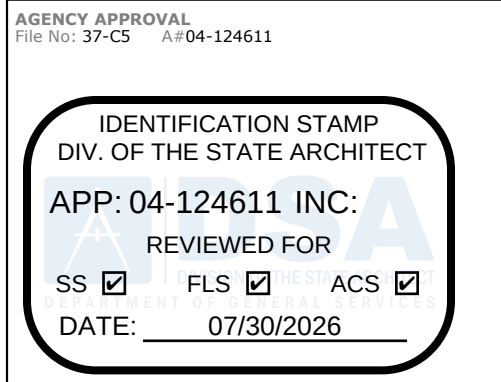
DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

OVERALL SITE PLAN

AS-1.0

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





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ARCHITECTS

CONSULTANT BRANDING

GENERAL EGRESS NOTES

1. SEE SHEET  "OVERALL SITE PLAN" FOR BUILDING CODE ANALYSIS INFORMATION
2. PER SECTION 10102.9 IN THE CBC 2025, DOOR SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE ARE REQUIRED TO HAVE PANIC HARDWARE OR FIRE EXIT HARDWARE.
3. ROOM OCCUPANT LOADS FACTORED PER CBC 2025 SECTION 1004, TABLE 1004.5
4. REFER TO SIGNAGE SCHEDULE IN SECTION 10 14 23 FOR MORE INFORMATION.
5. SEE SHEET  FOR SIGNAGE ATTACHMENTS AND LOCATIONS.
6. ALL DOORS TO HAVE A 90 DEGREE SWING LIMIT WHERE TACTILE SIGNAGE IS LOCATED ON HINGE SIDE OF DOOR.
7. TYPICAL AT PAIRS OF DOORS: WHEN POSSIBLE TACTILE SIGNAGE SHALL BE PLACED AT RIGHT SIDE OF DOORS.

EGRESS & SIGNAGE LEGEND

- (E) SEMI-RECESSED FIRE EXTINGUISHER, CLAS: 2-A-10B-C
MAXIMUM TRAVEL DISTANCE IDENTIFIED ON
PLANS, REF. CBC 2025 SECTION 906
- ROOM OCCUPANCY DISCHARGE
- NON-OCCUPANT ROOM
- TOTAL OCCUPANCY DISCHARGE
- PATH OF TRAVEL / EGRESS, TRAVEL DISTANCE SHALL NOT BE MORE THAN
250 FT IN SPRINKLERED BUILDINGS PER CBC SECTION 1028.7
- Room name
1001
Room Area
###.###
- ROOM TAG
- OCCUPANT LOAD
- OCCUPANT LOAD FACTOR
- OCC. #
- MAXIMUM OCCUPANT
LOAD SIGN
NUMBER OF OCCUPANTS

LEGEND - SIGNAGE

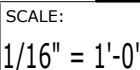
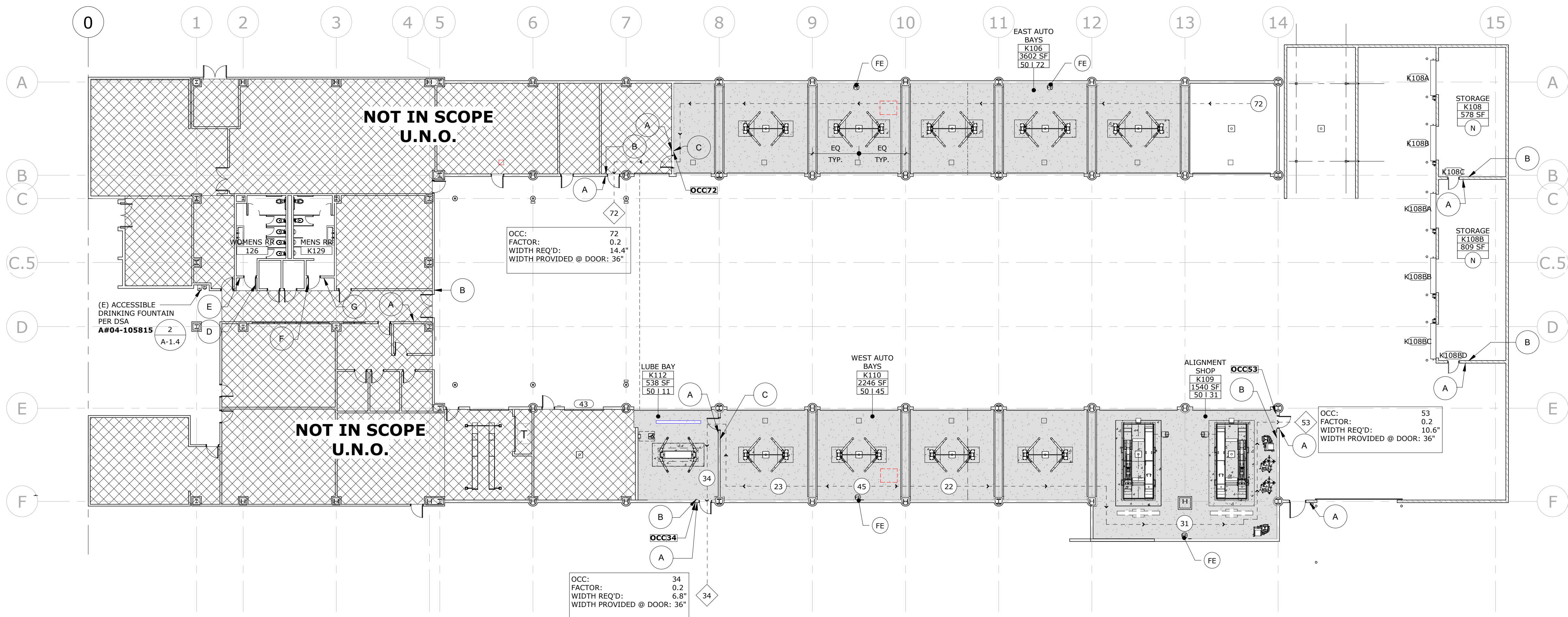
- | | | | | | | |
|---|---|--|---|---|---|---|
| <p>A</p> <p>ROOM IDENTIFICATION
WALL SIGN, PER DETAIL:</p> | <p>B</p> <p>EXIT WALL SIGN
PER DETAIL:</p> | <p>C</p> <p>EXIT ROUTE WALL
SIGN, PER DETAIL:</p> | <p>D</p> <p>WOMEN'S DOOR
SIGN, PER DETAIL:</p> | <p>E</p> <p>WOMEN'S WALL
SIGN, PER DETAIL:</p> | <p>F</p> <p>MEN'S DOOR SIGN,
PER DETAIL:</p> | <p>G</p> <p>MEN'S WALL SIGN,
PER DETAIL:</p> |
| $\frac{24}{AD-1}$ | $\frac{17}{AD-1}$ | $\frac{27}{AD-1}$ | $\frac{5}{A-1.4}$ | $\frac{5}{A-1.4}$ | $\frac{5}{A-1.4}$ | $\frac{5}{A-1.4}$ |

NOTES:

 - FOR MOUNTING HEIGHTS, SEE DETAIL: $\frac{21}{AD-1}$
 - FOR EXIT SIGNS, SEE ELECTRICAL DRAWINGS

NOTES:

1. FOR MOUNTING HEIGHTS, SEE DETAILS: 
2. FOR EXIT SIGNS, SEE ELECTRICAL DRAWINGS



BUILDING K - EGRESS & SIGNAGE PLAN

PROJECT No. :1-110-01
7/29/2026 1:27:17 PM

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BUILDING K AUTO LIFTS REPLACEMENT PROJECT
 CUYAMACA COMMUNITY COLLEGE
 900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019
 GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT

BUILDING K
EGRESS & SIGNAGE
PLAN

A-1.0

1-110-01



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CONSULTANT BRANDIN

1. ALL NEW AUTO LIFTS TO BE OFCI
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
 - BALLASTS
 - HANDRAILS
 - PIPE COLUMNS
 - HALLWAY CEILINGS
 - METAL ROOF STRUCTURE AT CENTER OF BUILDING
- 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
4. 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.
5. CONTRACTOR TO TRIM TREES AS NECESSARY FOR APPLICATION OF ALL PAINTING JOB.
6. ENTIRE BUILDING AND ALL AUTO BAY DOORS TO BE POWER WASHED, FRONT AND BACK
7. SPEAKER BOXES - REPLACE RUSTY PLATES AS REQUIRED
8. (E) WINDOW BLINDS IN ROOM K113 TO BE REMOVED
9. LIFT INSTALLATION CONTRACTOR REQUIRED TO HOLD D-40 LICENSE.
10. THE CONTRACTOR WILL BE REQUIRED TO GET AUTOLIFTS CERTIFICATION.
11. AUTOLIFTS INSTALLER MUST BE CERTIFIED BY THE LIFTS MANUFACTURER IN ORDER TO MAINTAIN WARRANTY



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

02.005	(E) EXHAUST FAN PLATFORM ABOVE TO REMAIN
02.006	(E) AREA DRAIN TO REMAIN, PROTECT IN PLACE
02.007	(E) AUTO-START VENT TO REMAIN, PROTECT IN PLACE. REPLACE PANS AS REQUIRED
02.008	(E) FLOOR FINISH TO REMAIN, PROTECT IN PLACE
02.013	(E) CHU WAI TO REMAIN, PROTECT IN PLACE
02.014	(E) ROLL-UP DOOR TO REMAIN, PROTECT IN PLACE
02.017	(E) COLUMN TO REMAIN, PROTECT IN PLACE
02.018	(E) DOOR & FRAME TO REMAIN, PROTECT IN PLACE
02.020	(E) STEEL GATE TO REMAIN, PROTECT IN PLACE
02.022	(E) BOLLARDS TO REMAIN, PROTECT IN PLACE, AND PAINT SAFETY YELLOW
02.023	(E) SENS-RECESSED FIRE EXTINGUISHER CABINETS, 2-A, 2-B, CLASS 108-C MAXIMUM TRAVEL DISTANCE IDENTIFIED ON PLANS, PER CBC 2022 SECTION 906
02.101	REMOVE (E) AUTO LIFT EQUIPMENT AND RETURN TO CREDIT. TYP.
02.102	SAW CUT/REMOVE (E) CONCRETE SLAB FOR NEW DOOR FOOTING
02.107	SAW CUT/REMOVE (E) CONCRETE SLAB FOR NEW FOOTING OF AUTO LIFT. SEE MODERNIZATION DRAWINGS
02.108	REMOVE EXISTING CHAINLINK FENCE
02.301	(E) A-POST LIFT (ROTARY CLAMP) TO BE RE-ANCHORED TO (E) CONCRETE FLOORING PER EXISTING DRAWINGS
03.121	REMOVE EXISTING CONCRETE FOOTING. SEE STRUCTURAL DRAWINGS FOR DETAILS
10.046	2" DIAMETER X 120' LONG LIFT RODS TO BE INSTALLED FROM HANG FROM (E) STRUCTURE WITH CHAIN AND BEAM CLAMP PER MANUFACTURER'S INSTRUCTIONS
11.001	02.012, 02.014, 02.017, 02.018, 02.020, 02.022, 02.023, 02.101, 02.102, 02.107, 02.108, 02.109, 02.110, 02.111, 02.112, 02.113, 02.114, 02.115, 02.116, 02.117, 02.118, 02.119, 02.120, 02.121, 02.122, 02.123, 02.124, 02.125, 02.126, 02.127, 02.128, 02.129, 02.130, 02.131, 02.132, 02.133, 02.134, 02.135, 02.136, 02.137, 02.138, 02.139, 02.140, 02.141, 02.142, 02.143, 02.144, 02.145, 02.146, 02.147, 02.148, 02.149, 02.150, 02.151, 02.152, 02.153, 02.154, 02.155, 02.156, 02.157, 02.158, 02.159, 02.160, 02.161, 02.162, 02.163, 02.164, 02.165, 02.166, 02.167, 02.168, 02.169, 02.170, 02.171, 02.172, 02.173, 02.174, 02.175, 02.176, 02.177, 02.178, 02.179, 02.180, 02.181, 02.182, 02.183, 02.184, 02.185, 02.186, 02.187, 02.188, 02.189, 02.190, 02.191, 02.192, 02.193, 02.194, 02.195, 02.196, 02.197, 02.198, 02.199, 02.200, 02.201, 02.202, 02.203, 02.204, 02.205, 02.206, 02.207, 02.208, 02.209, 02.210, 02.211, 02.212, 02.213, 02.214, 02.215, 02.216, 02.217, 02.218, 02.219, 02.220, 02.221, 02.222, 02.223, 02.224, 02.225, 02.226, 02.227, 02.228, 02.229, 02.230, 02.231, 02.232, 02.233, 02.234, 02.235, 02.236, 02.237, 02.238, 02.239, 02.240, 02.241, 02.242, 02.243, 02.244, 02.245, 02.246, 02.247, 02.248, 02.249, 02.250, 02.251, 02.252, 02.253, 02.254, 02.255, 02.256, 02.257, 02.258, 02.259, 02.260, 02.261, 02.262, 02.263, 02.264, 02.265, 02.266, 02.267, 02.268, 02.269, 02.270, 02.271, 02.272, 02.273, 02.274, 02.275, 02.276, 02.277, 02.278, 02.279, 02.280, 02.281, 02.282, 02.283, 02.284, 02.285, 02.286, 02.287, 02.288, 02.289, 02.290, 02.291, 02.292, 02.293, 02.294, 02.295, 02.296, 02.297, 02.298, 02.299, 02.300, 02.301, 02.302, 02.303, 02.304, 02.305, 02.306, 02.307, 02.308, 02.309, 02.310, 02.311, 02.312, 02.313, 02.314, 02.315, 02.316, 02.317, 02.318, 02.319, 02.320, 02.321, 02.322, 02.323, 02.324, 02.325, 02.326, 02.327, 02.328, 02.329, 02.330, 02.331, 02.332, 02.333, 02.334, 02.335, 02.336, 02.337, 02.338, 02.339, 02.340, 02.341, 02.342, 02.343, 02.344, 02.345, 02.346, 02.347, 02.348, 02.349, 02.350, 02.351, 02.352, 02.353, 02.354, 02.355, 02.356, 02.357, 02.358, 02.359, 02.360, 02.361, 02.362, 02.363, 02.364, 02.365, 02.366, 02.367, 02.368, 02.369, 02.370, 02.371, 02.372, 02.373, 02.374, 02.375, 02.376, 02.377, 02.378, 02.379, 02.380, 02.381, 02.382, 02.383, 02.384, 02.385, 02.386, 02.387, 02.388, 02.389, 02.390, 02.391, 02.392, 02.393, 02.394, 02.395, 02.396, 02.397, 02.398, 02.399, 02.400, 02.401, 02.402, 02.403, 02.404, 02.405, 02.406, 02.407, 02.408, 02.409, 02.410, 02.411, 02.412, 02.413, 02.414, 02.415, 02.416, 02.417, 02.418, 02.419, 02.420, 02.421, 02.422, 02.423, 02.424, 02.425, 02.426, 02.427, 02.428, 02.429, 02.430, 02.431, 02.432, 02.433, 02.434, 02.435, 02.436, 02.437, 02.438, 02.439, 02.440, 02.441, 02.442, 02.443, 02.444, 02.445, 02.446, 02.447, 02.448, 02.449, 02.450, 02.451, 02.452, 02.453, 02.454, 02.455, 02.456, 02.457, 02.458, 02.459, 02.460, 02.461, 02.462, 02.463, 02.464, 02.465, 02.466, 02.467, 02.468, 02.469, 02.470, 02.471, 02.472, 02.473, 02.474, 02.475, 02.476, 02.477, 02.478, 02.479, 02.480, 02.481, 02.482, 02.483, 02.484, 02.485, 02.486, 02.487, 02.488, 02.489, 02.490, 02.491, 02.492, 02.493, 02.494, 02.495, 02.496, 02.497, 02.498, 02.499, 02.500, 02.501, 02.502, 02.503

 (E) FLOOR FINISH TO REMAIN. PROTECT IN PLACE

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

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

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

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

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

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



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

BUILDING K NEW AND DEMO FLOOR PLAN

A-1.1

1-110-01

PROJECT No. :1-110-01
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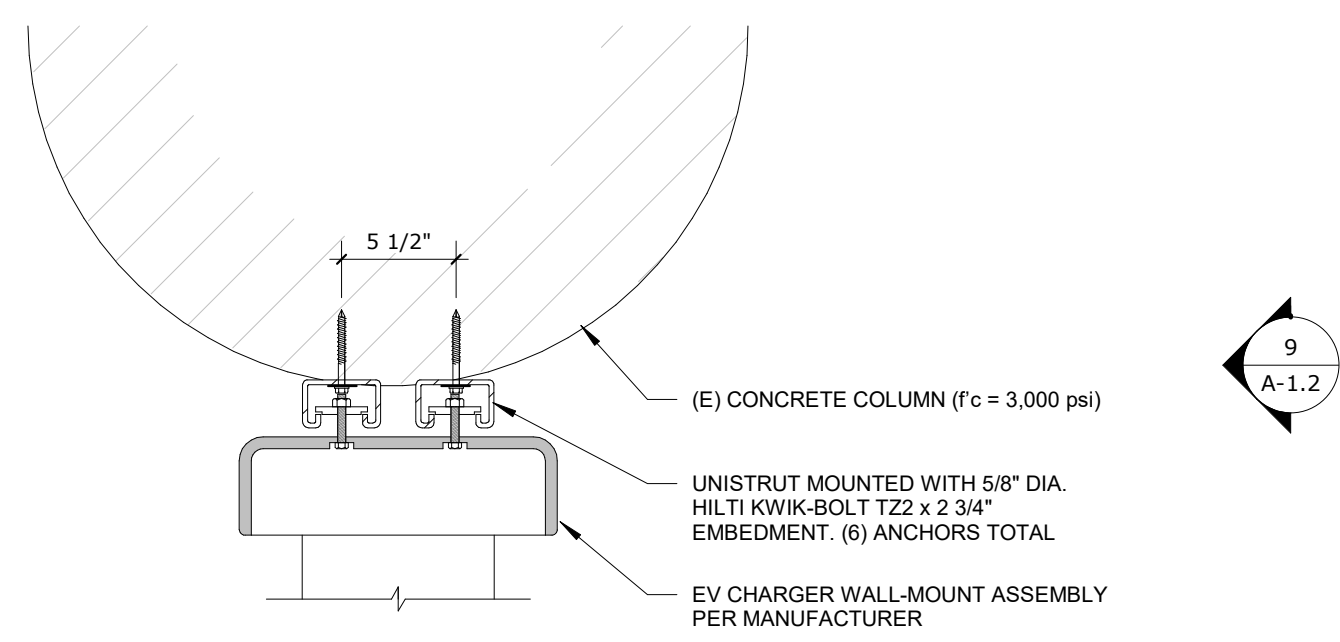
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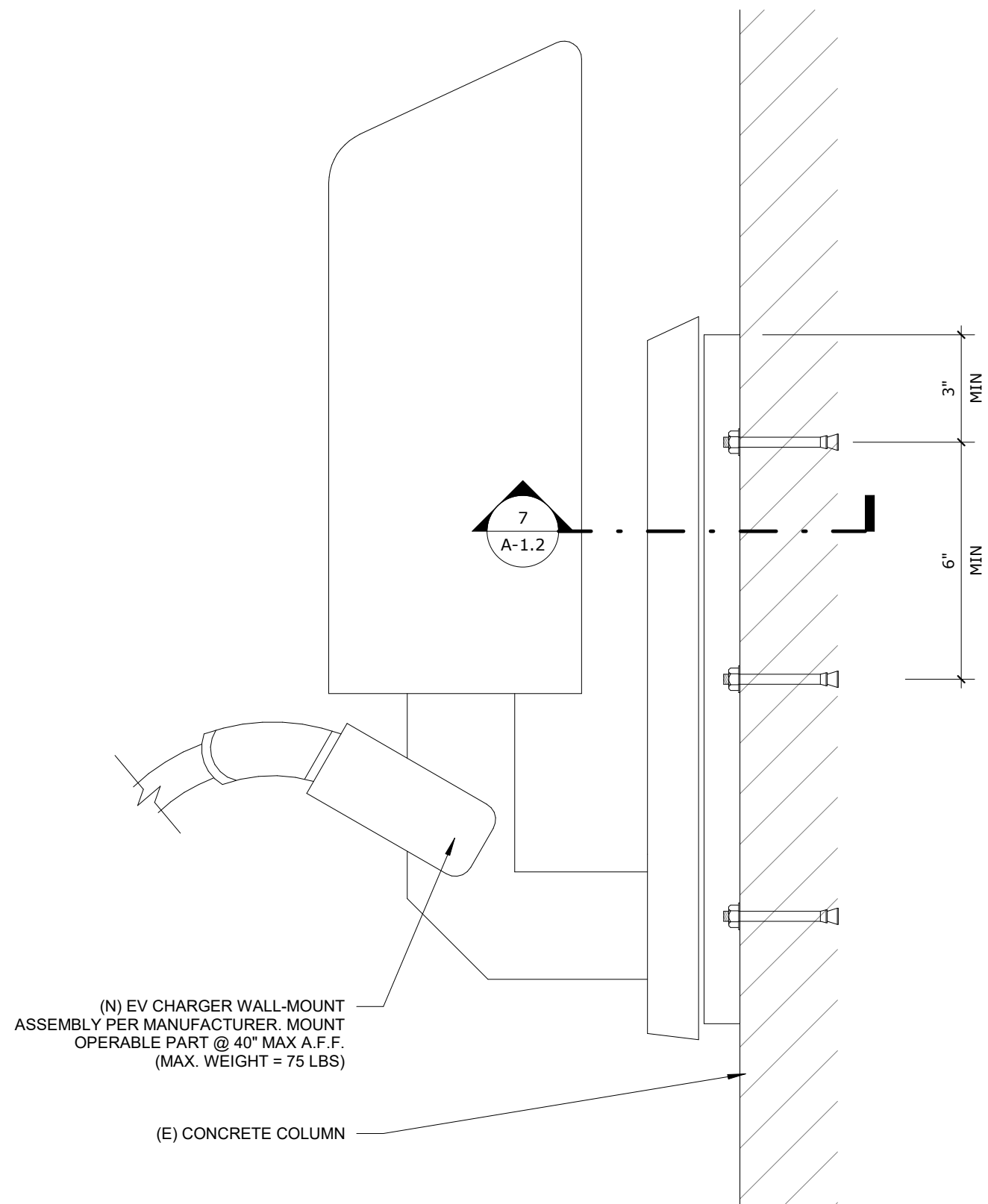
3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684 4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92010 (760) 438 5899 / 801 16TH STREET SACRAMENTO, CA 95814 (916) 379 8111

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



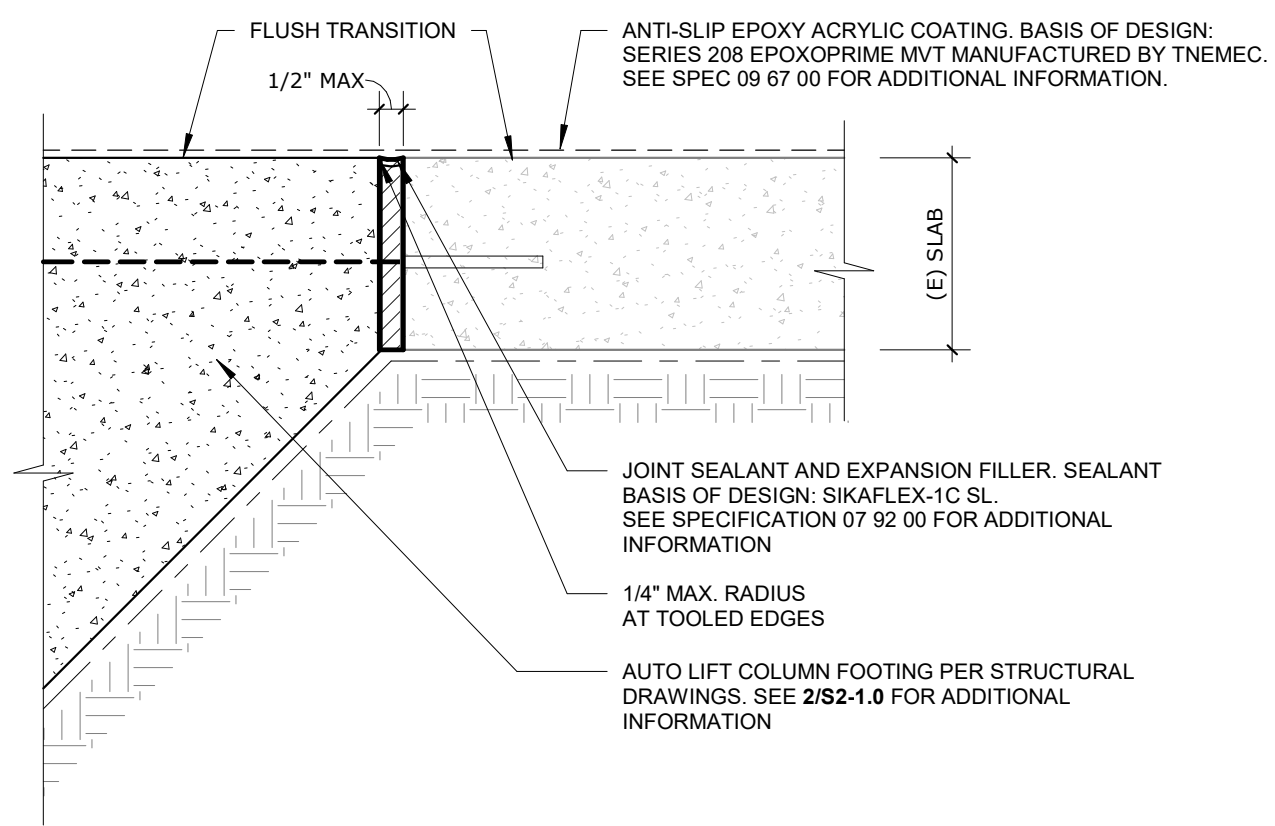
EV CHARGER MOUNTING DETAIL

SCALE: 3" = 1'-0" 7



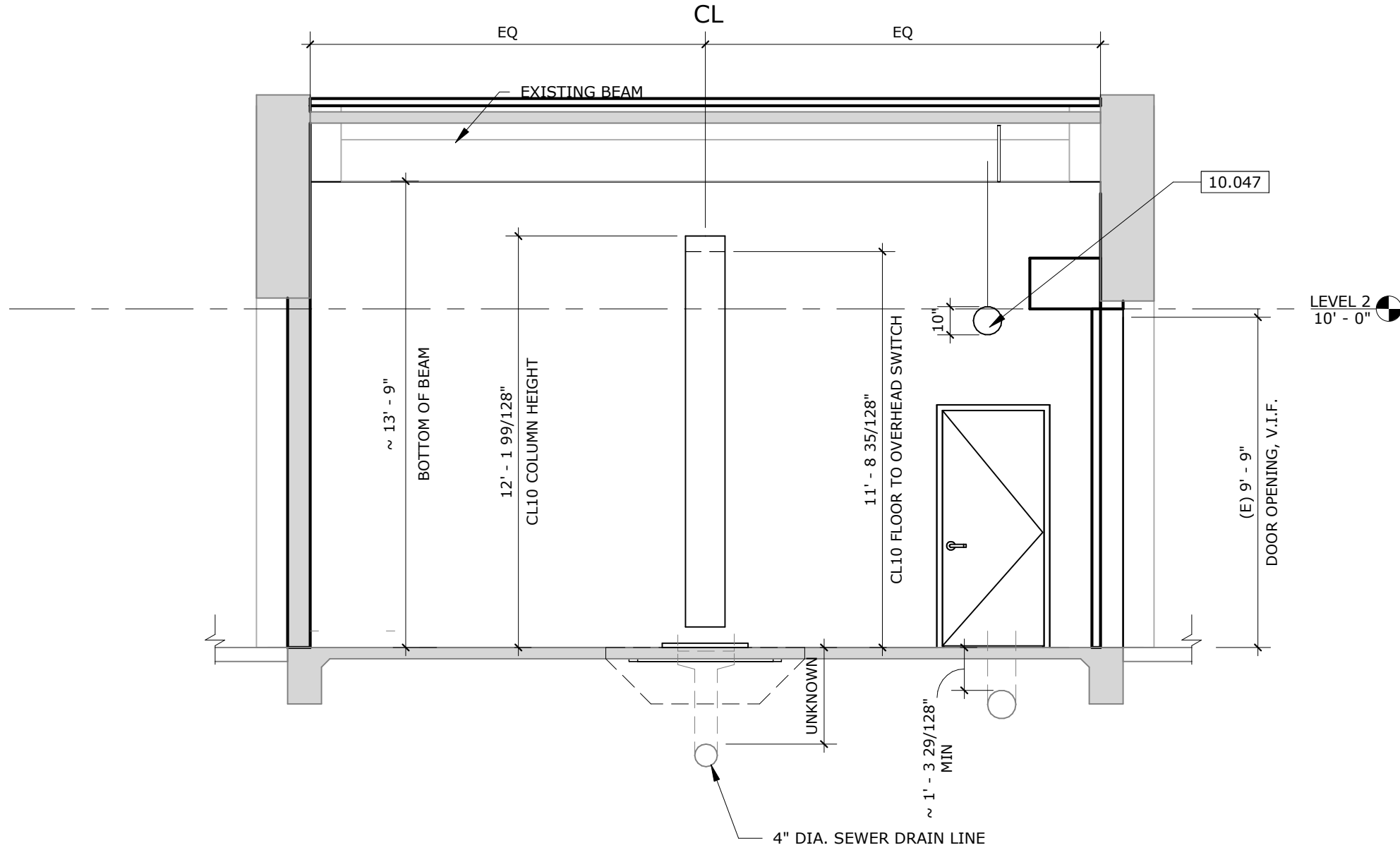
EV CHARGER ELEVATION

SCALE: 3" = 1'-0" 9



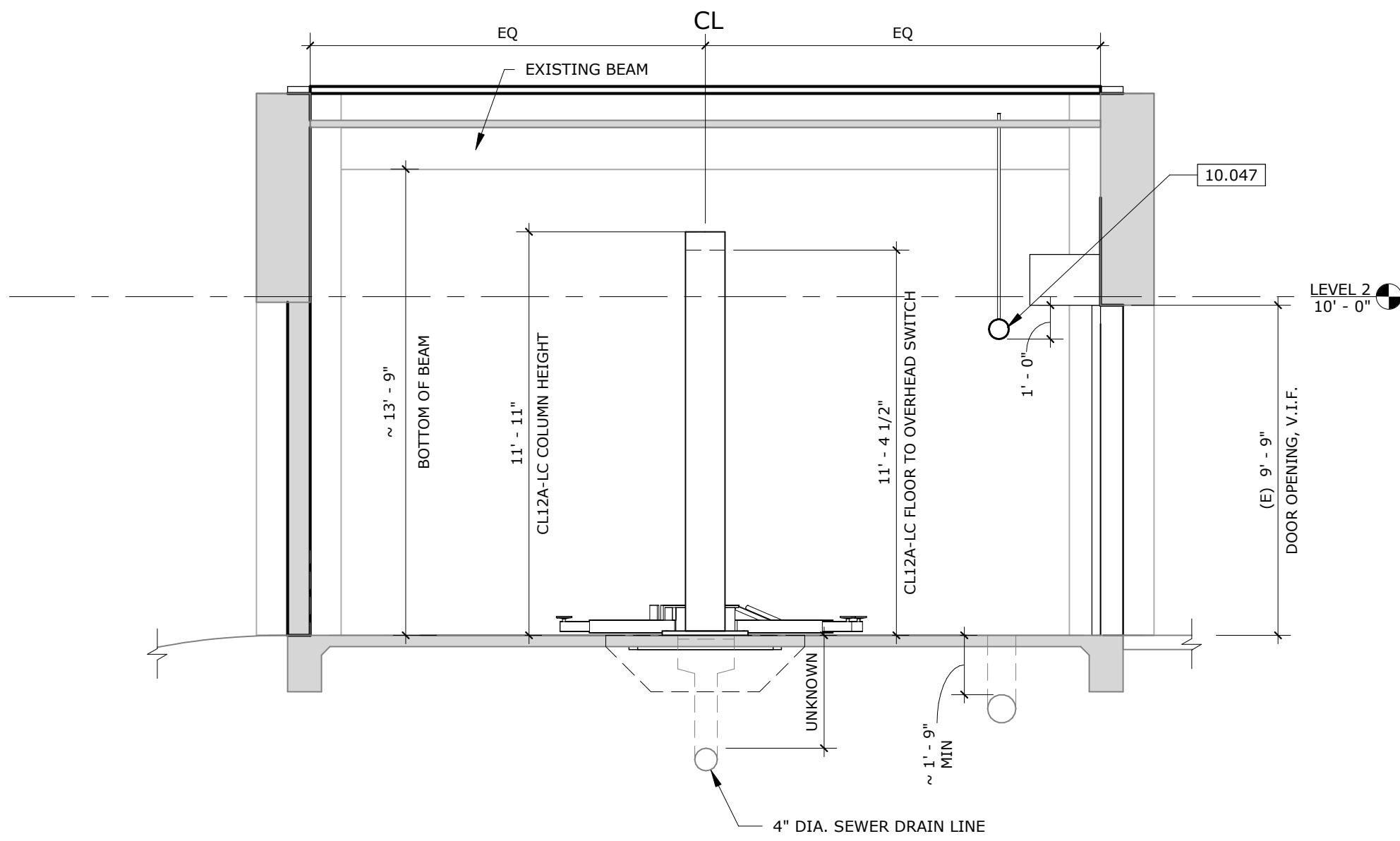
(N) CONCRETE TO (E) CONCRETE

SCALE: 3" = 1'-0" 8



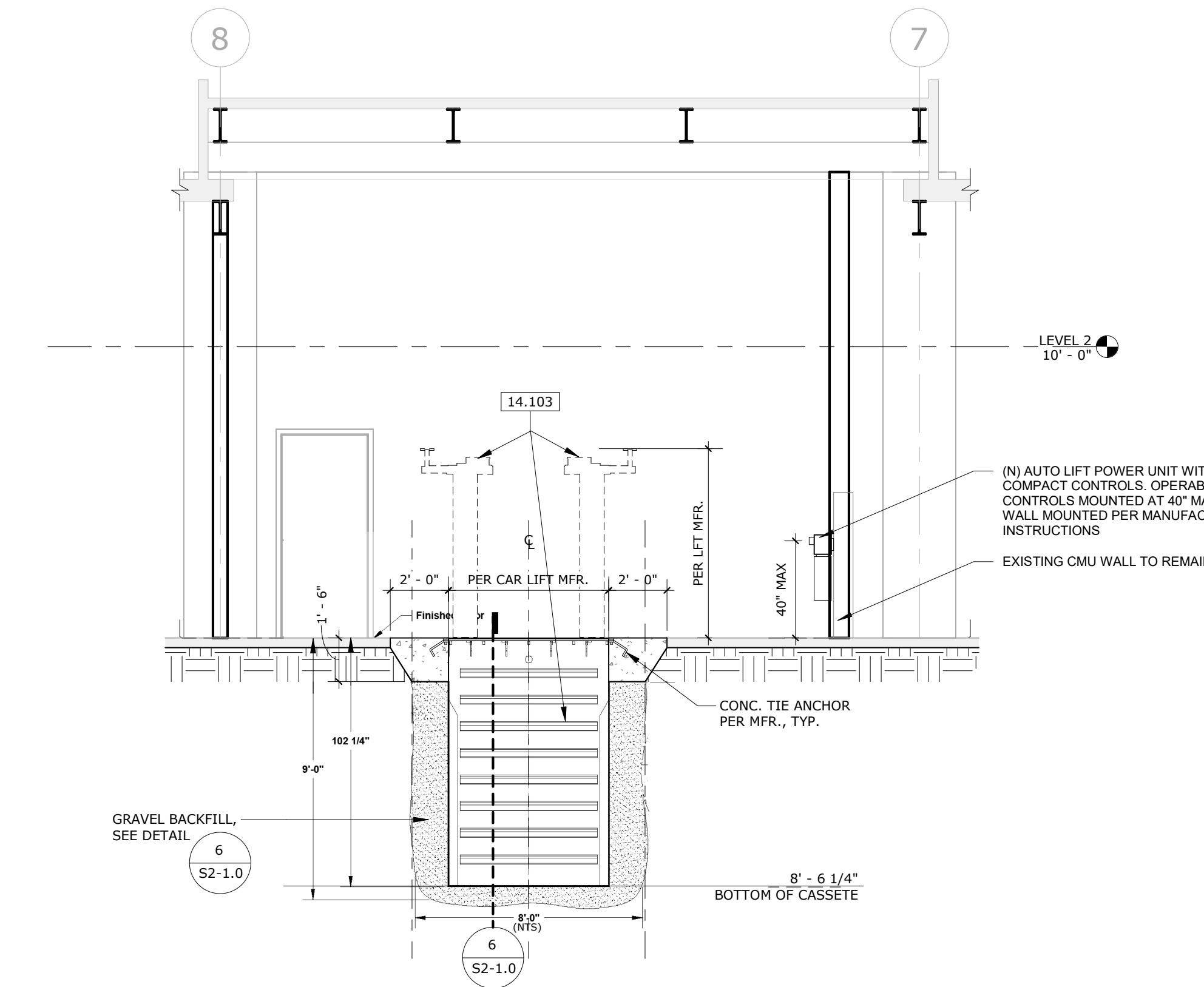
CL10 TYPICAL SECTION

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



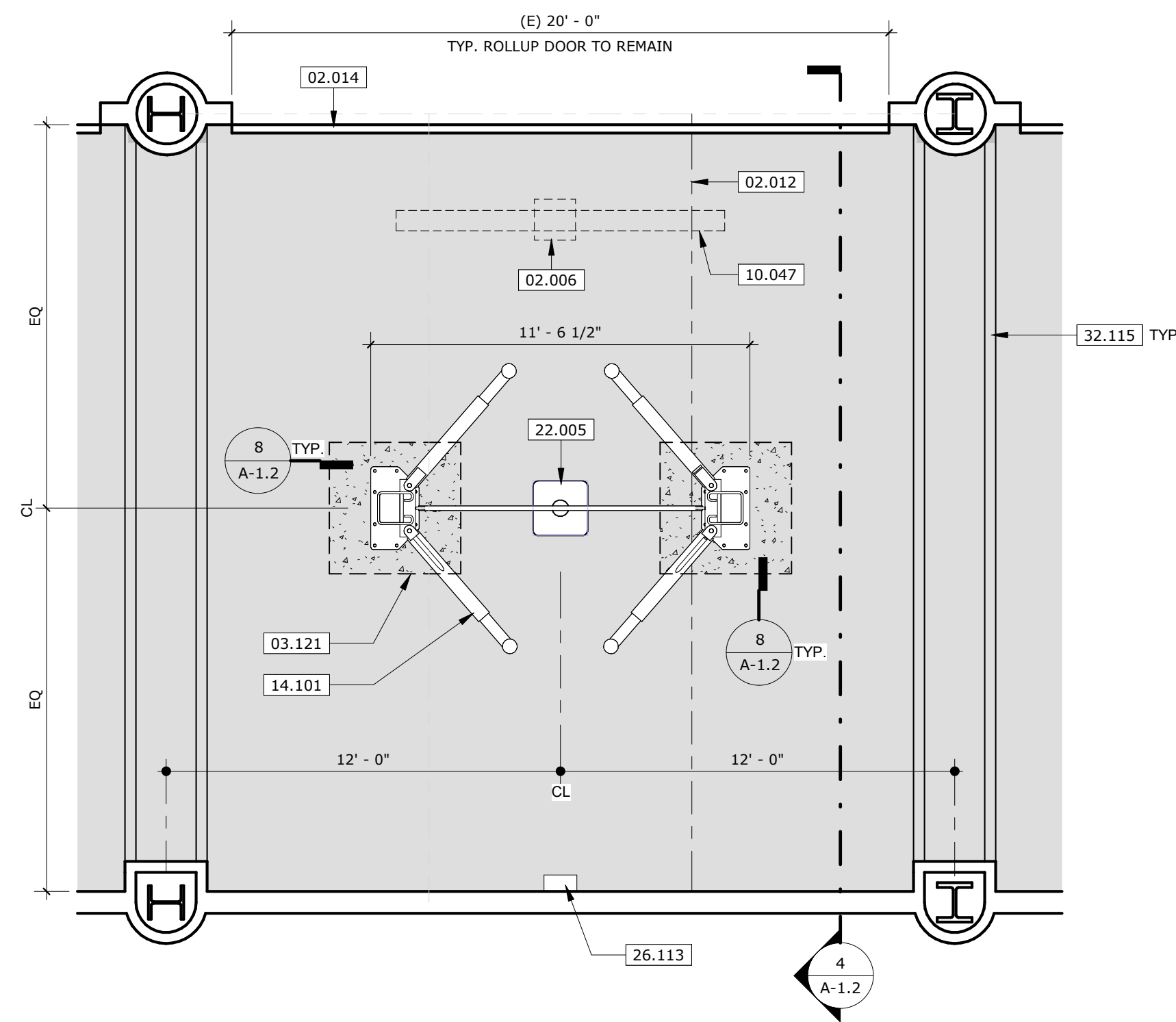
CL12A-LC TYPICAL SECTION

SCALE: 1/4" = 1'-0" 5



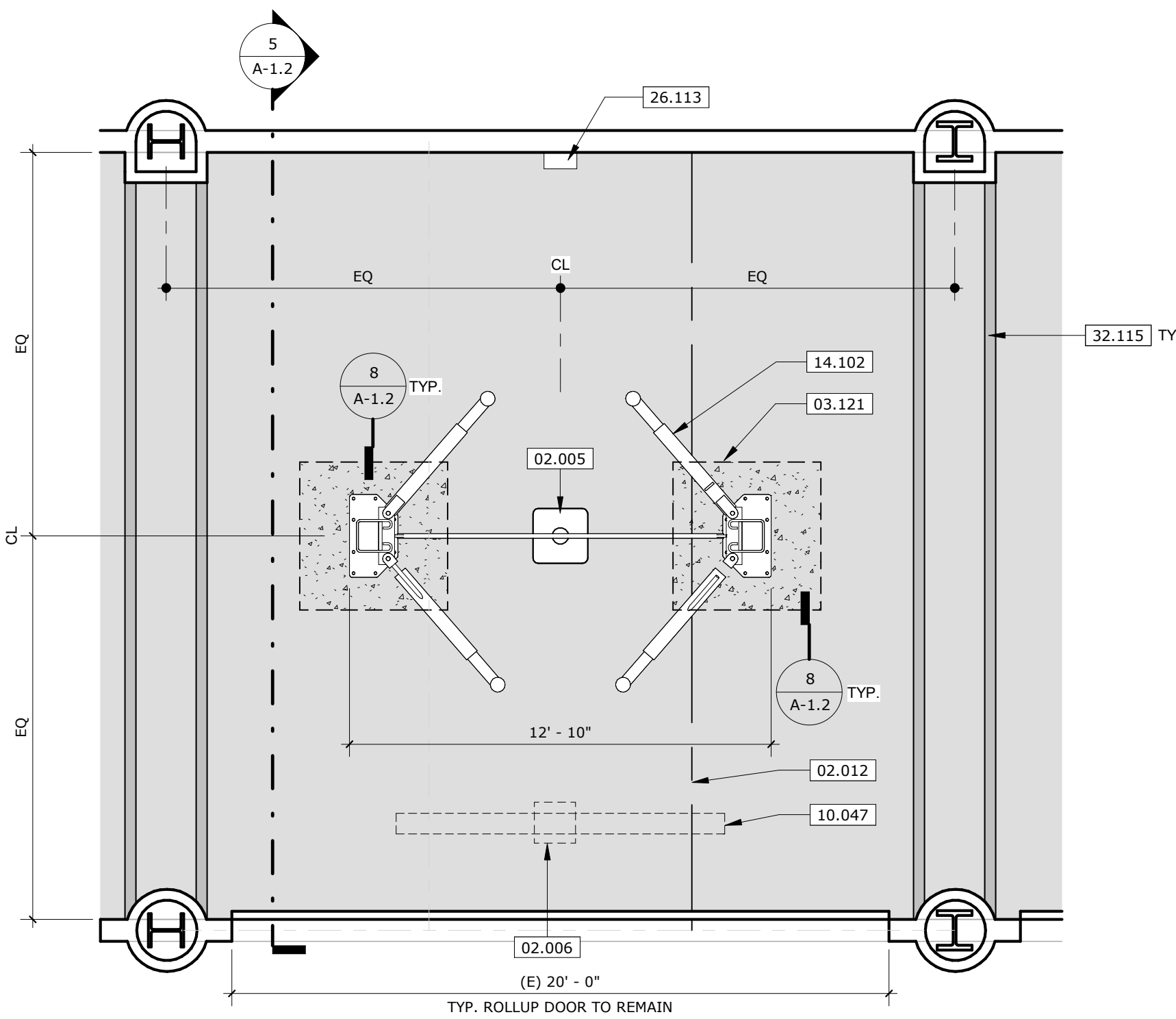
EV-1220 SECTION AT CLASSROOM K112

SCALE: 1/4" = 1'-0" 6



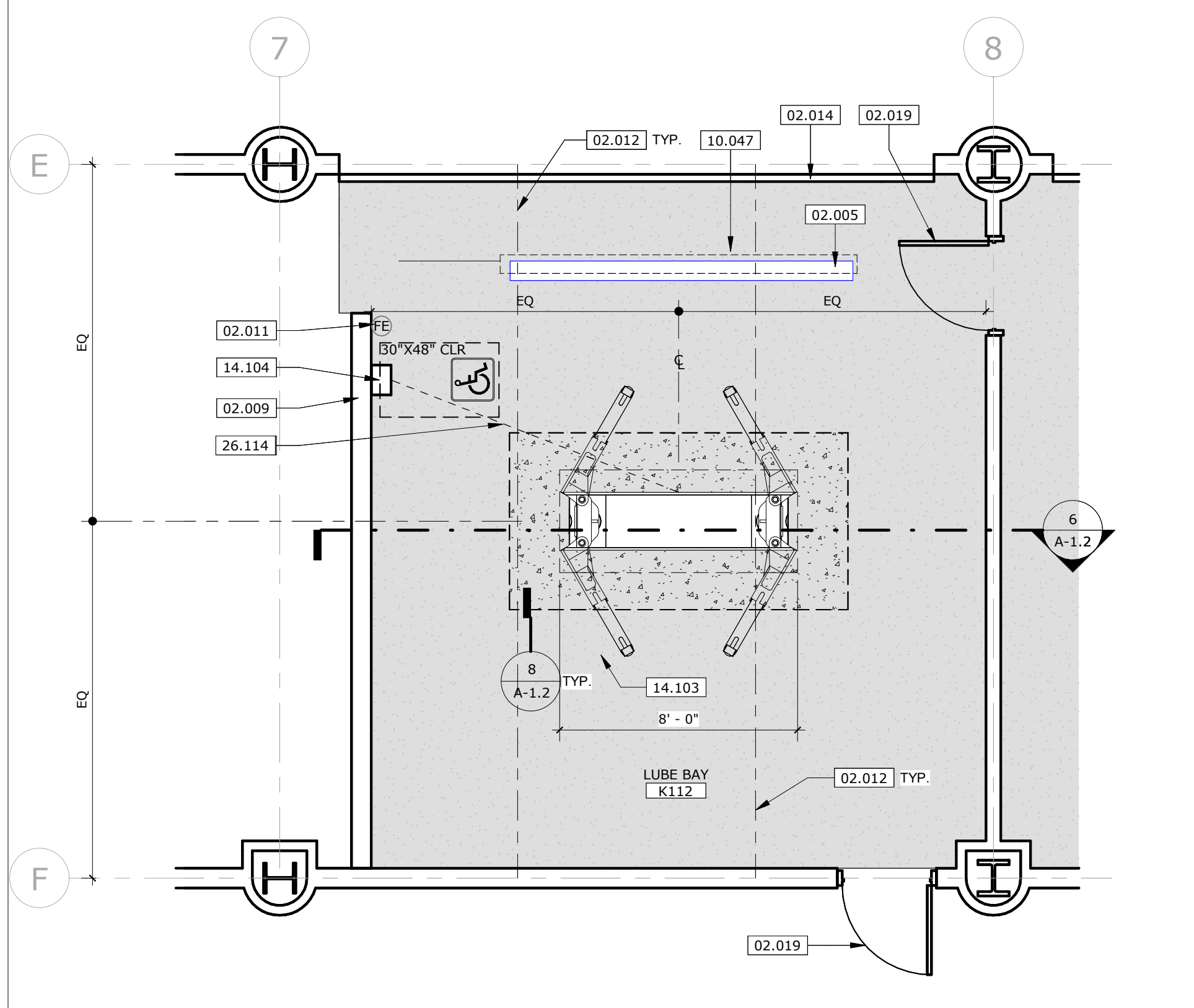
BUILDING K - TYPICAL CL10 LIFT PLAN

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



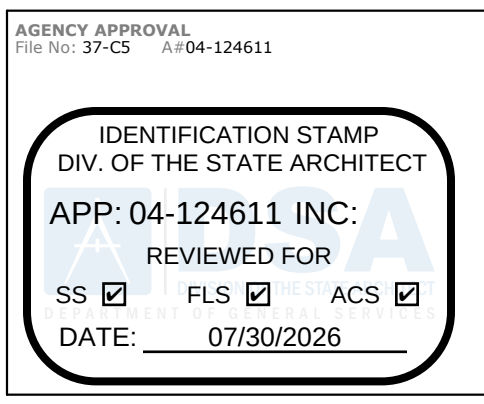
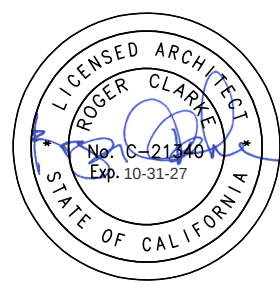
BUILDING K - TYPICAL CL12A-LC LIFT PLAN

SCALE: 1/4" = 1'-0" 2



K112 FLOOR PLAN - INGROUND AUTO LIFT

SCALE: 1/4" = 1'-0" 3



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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
 - BALLARDS
 - HANDRAILS
 - PIPE COLUMNS
 - HALLWAY CEILING
 - METAL ROOF STRUCTURE AT CENTER OF BUILDING
- 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

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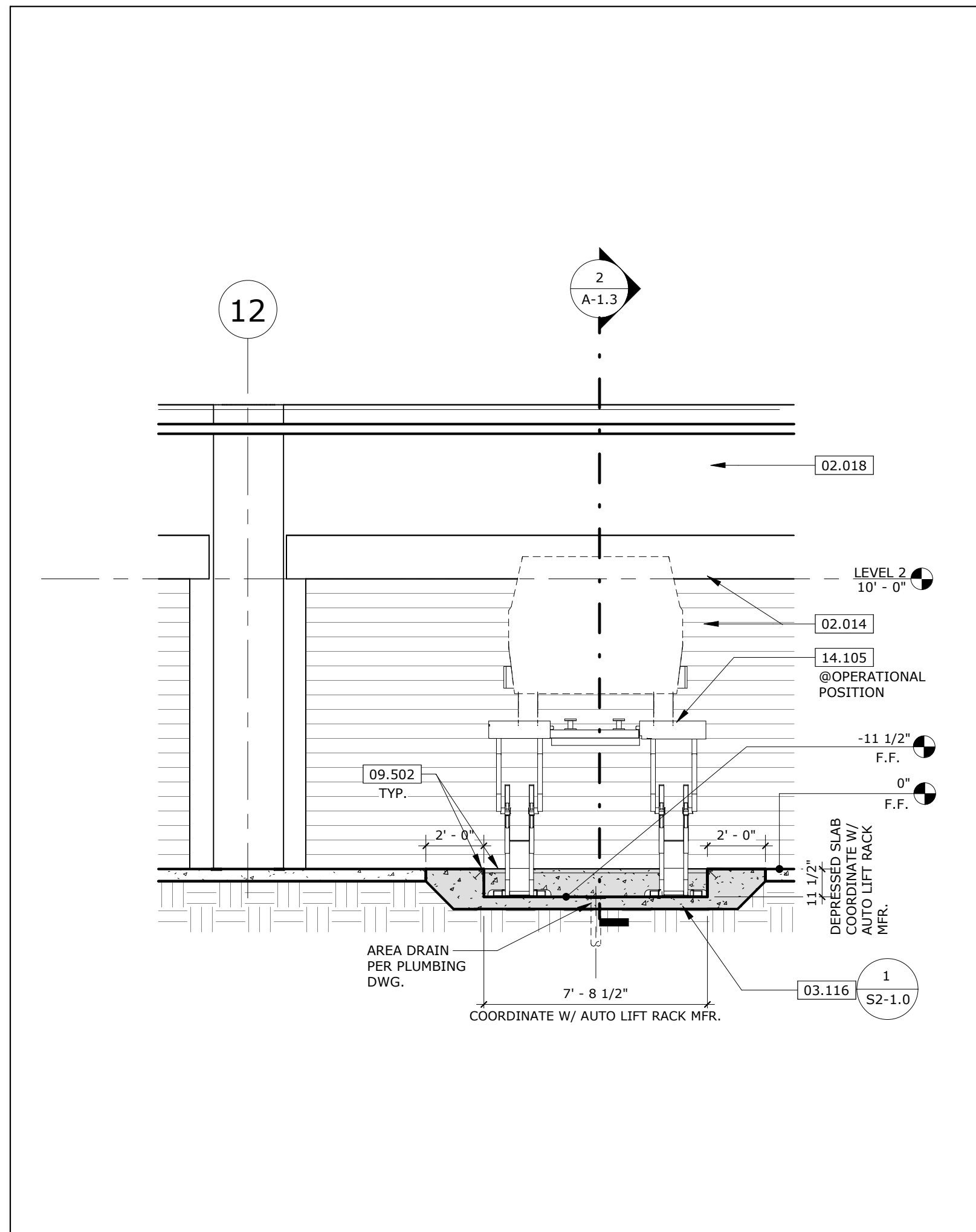
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BUILDING K AUTO LIFTS REPLACEMENT PROJECT
CUYAMACA COMMUNITY COLLEGE
900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019
GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT

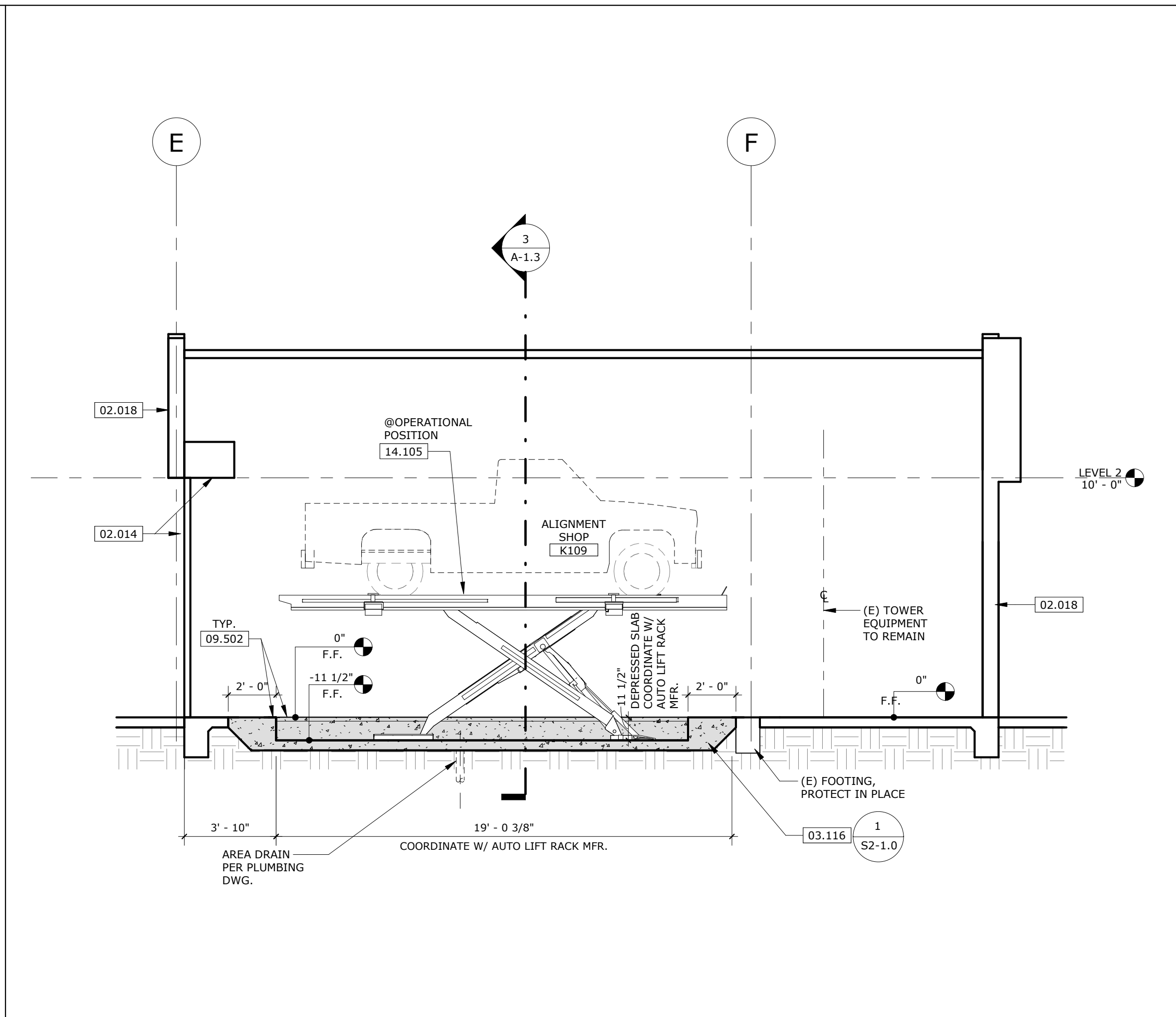
BUILDING K
ENLARGED FLOOR
PLANS & SECTIONS

A-1.2

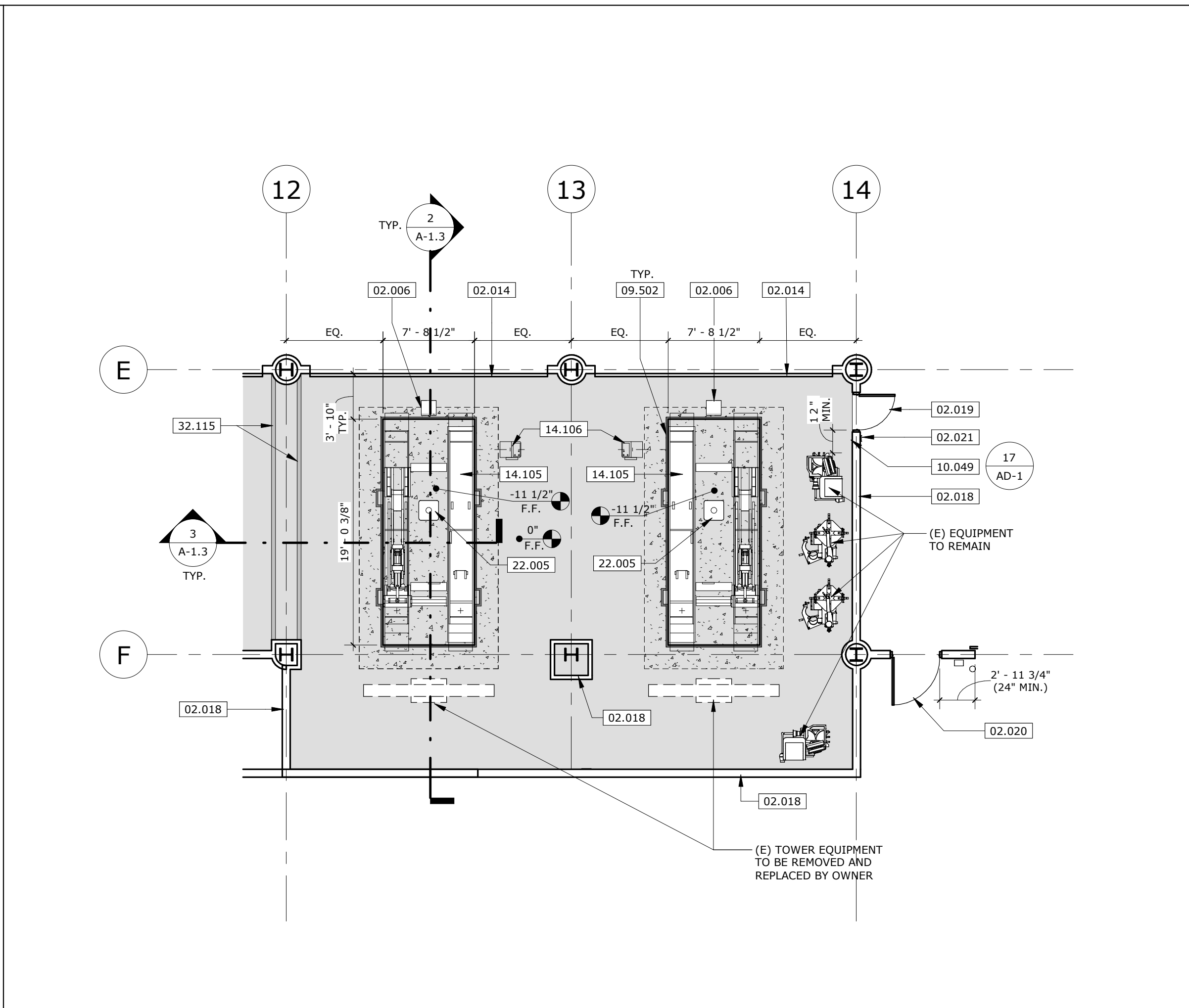
BUILDING K AUTO LIFTS REPLACEMENT PROJECT: 2026-07-15 DSA APPROVAL SET



SECTION 2 - ALIGNMENT SHOP K109



SECTION 1 - ALIGNMENT SHOP K109



ENLARGED FLOOR PLAN - ALIGNMENT SHOP K109

AGENCY APPROVAL
DIV. OF THE STATE ARCHITECT
APP: 04-124611 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 07/30/2026

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ARCHITECTS

KEYNOTES

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

02.013 (C) CMU WALL TO REMAIN, PROTECT IN PLACE

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

02.015 (E) ROOF TO REMAIN, PROTECT IN PLACE

02.016 (E) ROOF DRAIN AND DOWNSPOUT TO REMAIN, PROTECT IN PLACE

02.018 (E) WALL TO REMAIN, PROTECT IN PLACE

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

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

02.021 (E) ROOM IDENTIFICATION SIGN TO REMAIN, PROTECT IN PLACE

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

03.116 CAST-IN-PLACE CONCRETE SLAB PER STRUCTURAL DWG., SEE FINISH PLAN & SCHEDULE FOR FINISH MATERIAL

05.001 METAL COLUMN PER STRUCTURAL DWGS

05.009 METAL FRAMING PER STRUCTURAL DWGS

07.218 GALV. METAL DECK ROOF SYSTEM

07.219 EXPOSED UNDERSIDE OF GALV. METAL DECK ROOF SYSTEM

07.305 PREFINISHED METAL GUTTER

08.002 ELECTRIC MOTORIZED ROLL-UP DOOR SYSTEM, PER DOOR SCHEDULE

09.502 PAINT ANGLE BAR SAFETY YELLOW

10.049 TACTILE EXIT SIGN

14.105 FLUSH MOUNT AUTO LIFT RACK, MAX CAPACITY 12,000 LBS. BASIS OF DESIGN: HUNTER LIFT MODEL RX12KFIS, OFCL

14.106 CONSOLE, OFCL

22.005 AREA DRAIN, PER PLUMBING DWGS

22.019 GALVANIZED PIPE DOWNSPOUT

32.115 4\"/>

ROLL UP DOOR SECTION - TYP.

SECTION - PRESSURE WASHER K107

FLOOR PLAN - PRESSURE WASHER K107

PROJECT No. :1-110-01
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BUILDING K AUTO LIFTS REPLACEMENT PROJECT

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

BUILDING K
ENLARGED PLAN &
SECTIONS

A-1.3

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

1-110-01

RESTROOM SIGN	SCALE: 1 1/2" = 1'-0"	5
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ENLARGED RESTROOM PLANS - STUDENTS AND STAFF

ACCESS. D.F. @ ALCOVE	SCALE: 1/2" = 1'-0"	6
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LAVATORY CLEARANCES	SCALE: 3/4" = 1'-0"	
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DRINKING FOUNTAIN ELEV.	SCALE: 3/4" = 1'-0"	2
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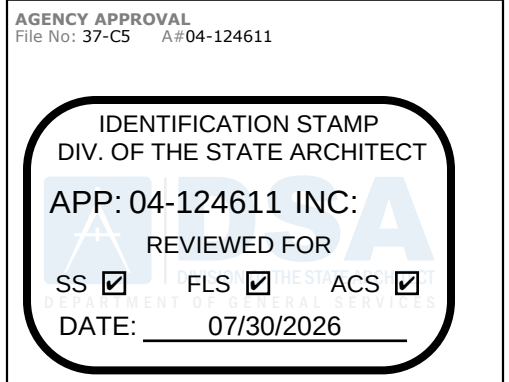
SIDE ELEVATION

FRONT ELEVATION

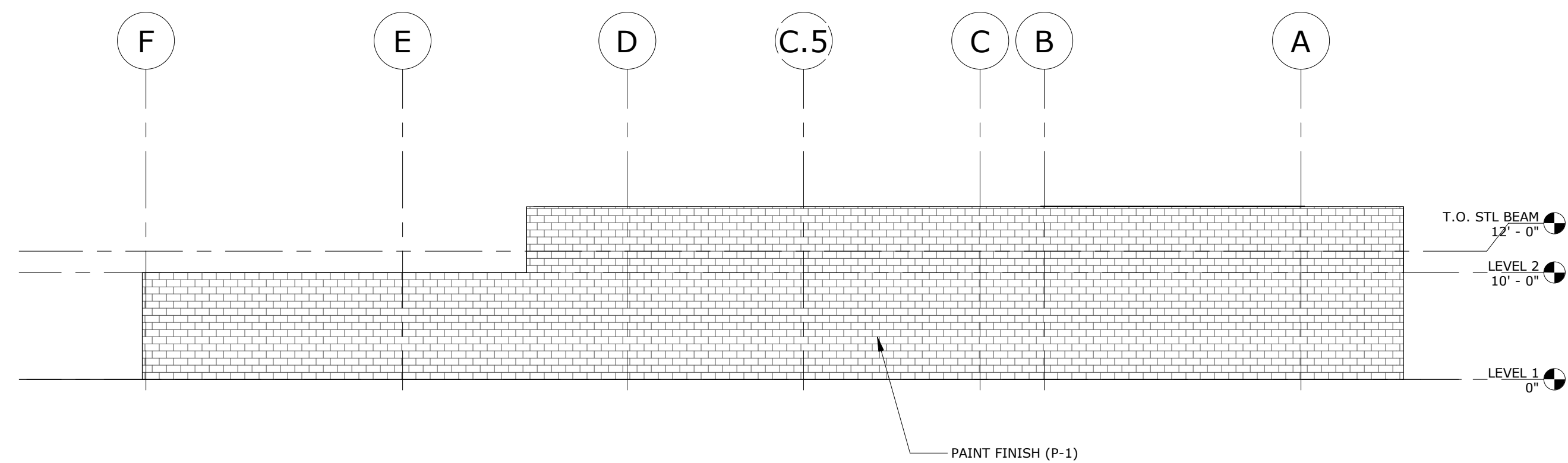
PLAN VIEW

PLAN VIEW

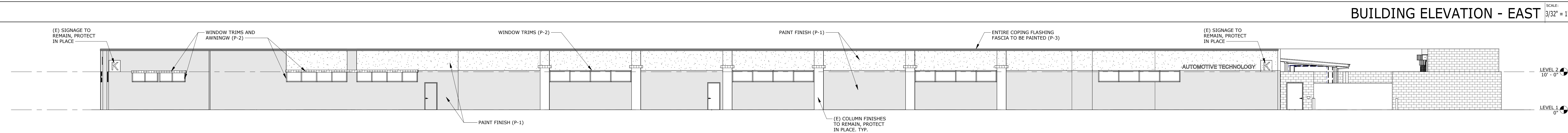
TYPICAL TOILET ROOM FIXTURES & ACCESSORIES CLEARANCES	SCALE: 1/4" = 1'-0"	1
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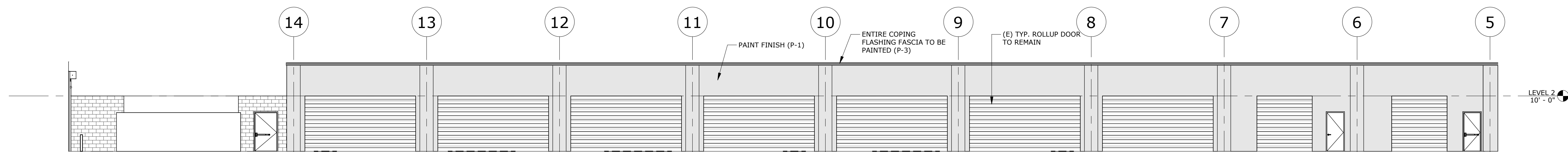
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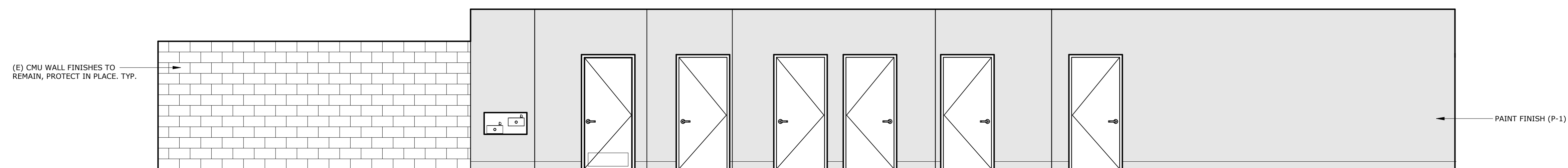
BUILDING ELEVATION - SOUTH



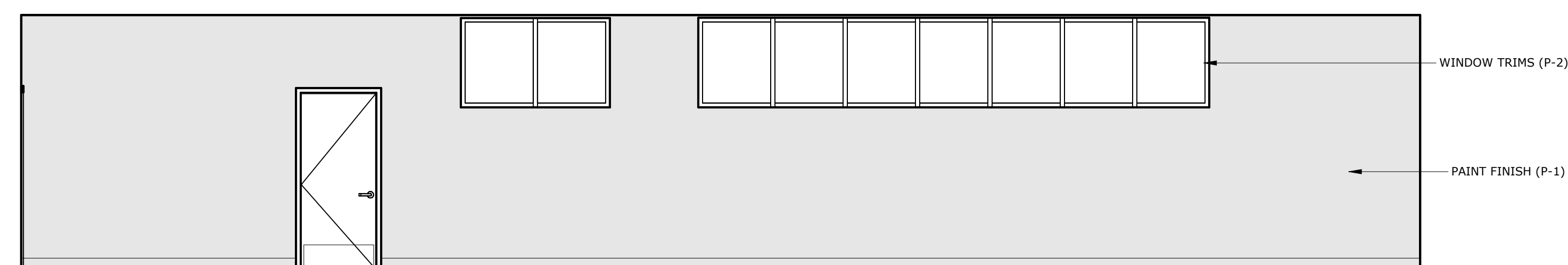
BUILDING ELEVATION - WEST



BUILDING ELEVATION - INT. WEST	SCALE: 3/32" = 1'-0"	6
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HALLWAY INTERIOR ELEVATION - EAST	SCALE: 1/4" = 1'-0"	8
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HALLWAY INTERIOR ELEVATION - EAST	SCALE: 1/4" = 1'-0"	8
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PAINT

	PAINT (P-1)		PAINT (P-3)
	PAINT (P-1)		(E) CMU WALL

1. CONTRACTOR TO TRIM TREES AS NEEDED FOR APPLICATION OF ALL PAINTING JOB.
2. 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
 - * BALLARDS
 - * HANDRAILS
 - * PIPE COLUMNS
 - * HALLWAY CEILING
 - * METAL ROOF STRUCTURE AT CENTER OF BUILDING
3. CONTRACTOR TO TEMPORARILY REMOVE ANY EXISTING ELEMENTS FROM SURFACES TO RECEIVE NEW PAINT AND REINSTALL FOR EXISTING CONDITIONS.
4. ELEMENTS TO EXCLUDE:
 - * ROLL-UP DOORS
 - * CHU WALL
 - * COLUMNS
5. COLORS TO BE SELECTED BY OWNER - SHERWIN WILLIAMS
BID ALTERNATE TO BE ELASTOMERIC COATING PAINT
6. ALL CRACK SHOULD BE PATCH AND FILLED PRIOR TO PAINTING.
7. DATA CABLE TO BE PULLED BACK INTO AIR COMPRESSOR ROOM. UNISTRUT TO BE DEMOED/REMOVED. PATCH WALLS AS REQUIRED.
8. SAFE ACCESS/PATCH OF TRAVEL IS TO BE MAINTAINED FOR GCCCD STAFF TO ALL ROOMS WHILE PAINTING IS TAKING PLACE.

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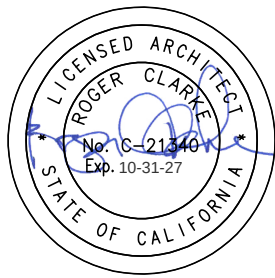
BUILDING K
BUILDING ELEVATIONS

A-1.5

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

STORAGE DOOR SCHEDULE

DOOR NO.	DOOR																FRAME				PANIC HARDWARE	HARDWARE GROUP	FIRE RATING	REMARKS	DOOR NO.
	DOOR TYPE	EXTERIOR	WIDTH	HEIGHT	THICKNESS	MATERIAL	FINISH	COLOR	MATERIAL	FINISH	COLOR	HEAD	JAMB 1	JAMB 2	SILL/THRESHOLD										
K108A	B	EXT	8' - 8"	12' - 8"		STEEL	FF	PER MFR	STEEL	FF	PER MFR	9/AD-1	10/AD-1	10/AD-1		02		PER MFR		ROLL-UP STEEL DOOR	K108A				
K108B	B	EXT	8' - 8"	12' - 8"		STEEL	FF	PER MFR	STEEL	FF	PER MFR	9/AD-1	10/AD-1	10/AD-1		02		PER MFR		ROLL-UP STEEL DOOR	K108B				
K108BA	B	EXT	8' - 8"	12' - 8"		STEEL	FF	PER MFR	STEEL	FF	PER MFR	9/AD-1	10/AD-1	10/AD-1		02		PER MFR		ROLL-UP STEEL DOOR	K108BA				
K108BB	B	EXT	8' - 8"	12' - 8"		STEEL	FF	PER MFR	STEEL	FF	PER MFR	9/AD-1	10/AD-1	10/AD-1		02		PER MFR		ROLL-UP STEEL DOOR	K108BB				
K108BC	B	EXT	8' - 8"	12' - 8"		STEEL	FF	PER MFR	STEEL	FF	PER MFR	9/AD-1	10/AD-1	10/AD-1		02		PER MFR		ROLL-UP STEEL DOOR	K108BC				
K108BD	C	EXT	2' - 8"	7' - 0"	1 3/4"	HM	FF		HM	FF		6/AD-1	7/AD-1	7/AD-1	5/AD-1	01	01			20"x20" DOOR LOUVERS PER MECHANICAL DRAWINGS	K108BD				
K108C	C	INT	2' - 8"	7' - 0"	1 3/4"	HM	FF		HM	FF		6/AD-1	7/AD-1	7/AD-1	5/AD-1	03	03			20"x20" DOOR LOUVERS PER MECHANICAL DRAWINGS	K108C				



AGENCY APPROVAL
FIG No: 37-CS #104-124611

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT

APP: 04-124611 INC:
REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 07/30/2026

STAMPS

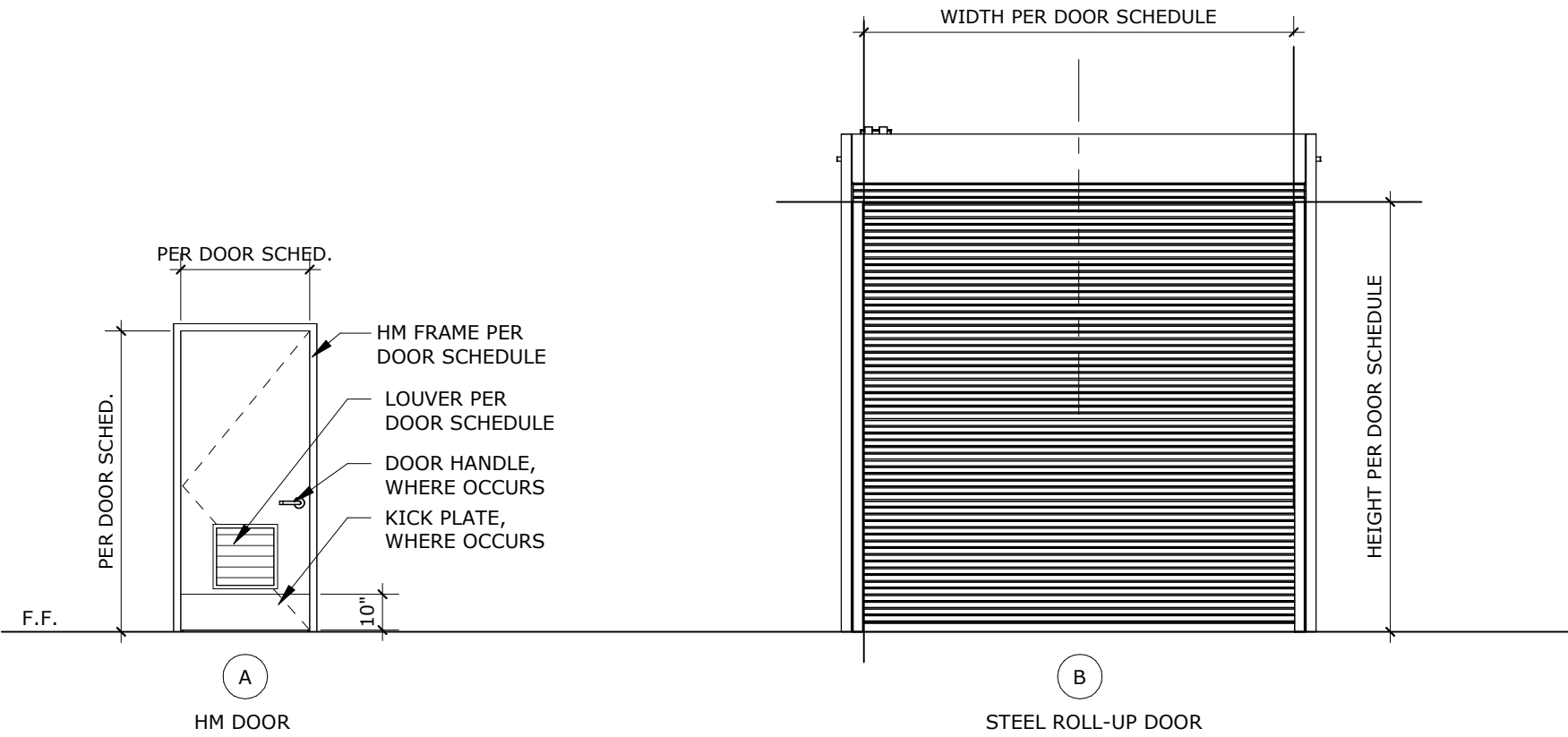
RUHNAU
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CONSULTANT BRANDING

GENERAL NOTES

- SET DOORS ADJACENT TO WALLS A MIN. OF 6" AWAY FROM WALL U.N.O.
- PROVIDE DOOR STOPS AT ALL INTERIOR DOORS.
- ALL EXTERIOR DOORS ARE TO SWING OUT AND OPEN TO A MIN. OF 110 DEGREES FROM ITS CLOSED POSITION WHERE POSSIBLE, U.N.O.
- EXCEPTION: WHERE TACTILE SIGNAGE IS LOCATED ON HINGE SIDE OF DOOR, DOORS TO HAVE A 90 DEGREE SWING LIMIT
- ALL EXTERIOR DOORS SHALL HAVE A POLYSTYRENE CORE (THERMAL RESISTANCE)
- HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE MOUNTED 34"-48" A.F.F.
- ALL DOORS SHALL BE LOCKABLE FROM THE INTERIOR SIDE
- PER SECTION 1008.1.10 IN THE CBC 2025, DOOR SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE ARE REQUIRED TO HAVE PANIC HARDWARE OR FIRE EXIT HARDWARE.
- PER CBC 2025 11B-404.2.5, THRESHOLDS SHALL BE 1/2" HIGH MAX., SEE DETAIL

5
AD-1
- THE BOTTOM 10" OF ALL DOORS EXTENDING THE FULL WIDTH SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. CBC 2025 11B-404.2.10
- MAXIMUM EFFORT TO OPERATE ALL DOORS SHALL NOT EXCEED 5 LBS. FOR BOTH EXTERIOR AND INTERIOR DOORS. FIRE DOORS SHALL NOT EXCEED 15 LBS. CBC 2025 11B-404.2.9
- REFER TO SPECIFICATION SECTION 08 06 71 FOR DOOR HARDWARE INFORMATION



DOOR TYPES

ABBREVIATIONS

FF FACTORY FINISH
HM HOLLOW METAL
HC HOLLOW CORE
GALV. GALVANIZED
STL STEEL
PSG PAINT: SEMI-GLOSS

PROJECT No. :1-110-01

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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

BUILDING K AUTO LIFTS REPLACEMENT
PROJECT
CUYAMACA COMMUNITY COLLEGE
900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019
GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT

BUILDING K
DOOR SCHEDULE,
TYPES, DETAILS

A-1.6

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

LIST OF ABBREVIATIONS

ADD'L	ADDITIONAL
ALT.	ALTERNATE
ACI	AMERICAN CONCRETE INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWS	AMERICAN WELDING SOCIETY
A.B.	ANCHOR BOLT(S)
APPROX.	APPROXIMATELY
ARCH.	ARCHITECT / ARCHITECTURAL
Ø	AT
B. PL.	BASE PLATE
BM.	BEAM
BRG.	BEARING
BTWN.	BETWEEN
BLK.	BLOCK
BLKG.	BLOCKING
B.E.	BOTH ENDS
BOT. OR BOTT.	BOTTOM
B.N.	BOUNDARY NAILS
BLDG.	BUILDING
C	CAMBER
CBC	CALIFORNIA BUILDING CODE
CIP	CAST IN PLACE
CLG.	CEILING
CJ	CEILING JOIST OR CONSTRUCTION JOIST OR CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION WELD
CLR.	CENTER LINE
COL.	CLEAR
CONC.	CONCRETE
CMU	CONCRETE MASONRY UNIT
COND.	CONDITION
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT'D	CONTINUED
CONT.	CONTINUOUS
CONTR.	CONTRACTOR
CSK.	COUNTERSINK
D.L.	DEAD LOAD
D.P.	DEEP
DEM.	DEMOLISH
DTL. OR DET.	DETAIL
DIAG.	DIAGONAL
DIA. OR Ø	DIAMETER
DIM.	DIMENSION
DO	DITTO
DBL.	DOUBLE
D.F.	DOUGLAS FIR
DWL.	DOWEL
DN.	DOWN
DWG.	DRAWING
EA.	EACH
E.F.	EACH FACE
E.S.	EACH SIDE
E.W.	EACH WAY
E.N.	EDGE NAIL(S)
ELEC.	ELECTRICAL
ELEV.	ELEVATION
EMBED.	EMBEDMENT
ENG.	ENGINEER
EQ.	EQUAL
EQUIP.	EQUIPMENT
EXCAV.	EXCAVATION
(E)	EXISTING
EXP.	EXPANSION
EJ	EXPANSION JOINT
ES	EVALUATION SERVICE
ESR	EVALUATION SERVICE REPORT
EXT.	EXTERIOR
F.O.C.	FACE OF CONCRETE
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD OR FACE OF SLAB
F.S.	FAR SIDE
FIN.	FINISH
F.F.	FINISHED FLOOR
FWHS	FLAT HEAD WOOD SCREW
FLR.	FLOOR
FD	FLOOR DRAIN
FTG.	FOOTING
FNDL.	FOUNDATION
FRMG.	FRAMING
GALV.	GALVANIZE
GA.	GAUGE
GLU-LAM	GLUED LAMINATED
QLB	GLUED LAMINATED BEAM
GR.	GRADE
HGR.	HANGER
HRS.	HARDROCK
HDR.	HEADER
HT.	HEIGHT
HD	HOLD DOWN
HSS	HOLLOW STRUCTURAL SECTION
HORIZ.	HORIZONTAL
INFO.	INFORMATION
I.D.	INSIDE DIAMETER
INT.	INTERIOR
IBC	INTERNATIONAL BUILDING CODE
ICC	INTERNATIONAL CODE COUNCIL
INV.	INVERT
JST.	JOIST
KP	KING POST
KSI	KIPS PER SQUARE INCH
LAM.	LAMINATED
LDGR.	LEDGER
LT. WT. OR LW	LIGHT WEIGHT
LL	LIVE LOAD
LG.	LONG OR LENGTH
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LO-HY	LOW HYDROGEN
M.B.	MACHINE BOLT(S)
MFR.	MANUFACTURER
MAS.	MASONRY
M.O.	MASONRY OPENING
MATL.	MATERIAL
MAX.	MAXIMUM
MECH.	MECHANICAL
MTL.	METAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
MU	MECHANICAL UNIT
N.F.	NEAR FACE
N.S.	NEAR SIDE
NSA	NELSON STUD ANCHOR
(N)	NEW
NIC.	NOT IN CONTRACT
NTS.	NOT TO SCALE
NO. OR #	NUMBER
O.C.	ON CENTER
OPNG.	OPENING
OPP.	OPPOSITE
O.H.	OPPOSITE HAND
O.D.	OUTSIDE DIAMETER
PHWS	PAN HEAD WOOD SCREW
P.J.	PANEL JOINT
d	PENNY
PL.	PLASTER
PL. OR ̢	PLATE (STEEL OR WOOD)
PLY.	PLYWOOD
PWJ	PLYWOOD WEB JOIST
PCF	POUNDS PER CUBIC FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	PRESSURE TREATED
PTDF	PRESSURE TREATED DOUGLAS FIR
PL	PROPERTY LINE
RAD.	RADIUS
RFTR.	RAFTER
REF.	REFERENCE
REINF.	REINFORCING
REQ'D	REQUIRED
REQMT.	REQUIREMENT
RF.	ROOF
R.D.	ROOF DRAIN

PROJECT No. : 1-110-01
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LIST OF ABBREVIATIONS (CONT'D)

RO.	ROUGH
R.O.	ROUGH OPENING
SCHED.	SCHEDULE
SEC.	SECTION
SEL.	SELECT
SEP.	SEPARATION
SFRS.	STRUCTURAL FORCE RESISTING SYSTEM
SHTG.	SHEATHING
SH.	SHEET
S.M.	SHEET METAL
SMS	SHEET METAL SCREWS
SIM.	SIMILAR
SIMP.	SIMPSON
SPCG.	SPACING
SPECS.	SPECIFICATION
SO.	SQUARE
STGR.	STAGGER
S.S.	STAINLESS STEEL
SPC	STANDARD PIPE COLUMN
STD.	STANDARD
STL.	STEEL
STIFF.	STIFFENER
STIRR.	STIRRUP
STRUCT.	STRUCTURAL
SYM.	SYMMETRICAL
TSO	TAPERED STEEL GIRDER
THK.	THICK
K OR KIP	1,000 POUNDS
THRU	THROUGH
TN	TOE NAIL
T&G	TONGUE AND GROOVE
T&B	TOP AND BOTTOM
T.O.F.	TOP OF FOOTING
T.O.L.	TOP OF LEDGER
T.O.S.	TOP OF STEEL OR TOP OF SHEATHING
T.O.W.	TOP OF WALL
TL	TOTAL LOAD
TS	TUBE STEEL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
VIF	VERIFY IN FIELD
VERT.	VERTICAL
WT.	WEIGHT
WWF	WELDED WIRE FABRIC
W/	WITH
W/O	WITHOUT
WD	WOOD
WJ	WOOD-I-JOIST
WP	WORK POINT
W.S.	WOOD SCREW

GENERAL

- THESE STRUCTURAL DRAWINGS AND SPECIFICATIONS, INCLUDING ANY ADDENDA (COLLECTIVELY "THE PLANS") INCORPORATE ALL LEGAL AND INDUSTRY REQUIREMENTS AND STANDARDS INCLUDING WITHOUT LIMITATION THE FOLLOWING:
 - THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 1 (CALIFORNIA ADMINISTRATIVE CODE), 2025 EDITION.
 - THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2 (CALIFORNIA BUILDING CODE), 2025 EDITION.
 - OTHER REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
 - THE FUNCTIONALITY STANDARDS SET FORTH IN TITLE 7 OF THE CALIFORNIA CIVIL CODE (THE "RIGHT TO REPAIR ACT").
 - THE MANUFACTURER'S REQUIREMENTS OR RECOMMENDATIONS FOR ANY INCORPORATED PRODUCTS.
 - THE MOST CURRENT APPROVED ISSUES OF ANY NOTED SPECIFICATIONS, CODES AND STANDARDS, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.
- THE PLANS REPRESENT ONLY THE FINISHED STRUCTURE, AND THEY ARE NOT INTENDED TO INDICATE OR REQUIRE ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES. IN PARTICULAR AND WITHOUT LIMITATION, THE CONTRACTOR SHALL BE FULLY AND SOLELY RESPONSIBLE FOR ANY AND ALL EXCAVATION, DEMOLITION, SHORING AND ERECTION PROCEDURES AND FOR ANY AND ALL SAFETY PROGRAMS AND PRECAUTIONS.
- IN USING THE PLANS FOR BIDDING OR CONSTRUCTION PURPOSES, THE CONTRACTOR IS REQUIRED TO REVIEW ALL OF THE PROJECT'S CONSTRUCTION DOCUMENTS AS A WHOLE IN ORDER TO IDENTIFY ALL REQUIREMENTS THAT DIRECTLY OR INDIRECTLY AFFECT ITS PORTION OF THE STRUCTURAL WORK, EVEN REQUIREMENTS LOCATED IN SECTIONS DESIGNATED AS APPLICABLE TO OTHER TRADES. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL EITHER OBTAIN DIRECTION FROM AN APPROPRIATE OWNER REPRESENTATIVE OR OTHERWISE APPLY THE MORE STRINGENT REQUIREMENT.
- IN INTERPRETING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:
 - WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.
 - SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS.
 - WORK NOT PARTICULARLY SHOWN OR SPECIFIED SHALL BE THE SAME AS SIMILAR PARTS THAT ARE SHOWN OR SPECIFIED.
 - SCALED DIMENSIONS AND GRAPHICALLY SHOWN LOCATIONS ARE TO BE CONSIDERED ONLY APPROXIMATE.
- IN IMPLEMENTING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:
 - BECAUSE THE PLANS ARE INTENDED TO SET FORTH THE REQUIREMENTS FOR CONSTRUCTION IN ONLY AN INDUSTRY-STANDARD LEVEL OF QUALITY AND DETAIL, AND THEREFORE ARE INTENDED TO BE SUPPLEMENTED BY APPROPRIATE REQUESTS FOR CLARIFICATION AND INFORMATION, ERRORS AND OMISSIONS ARE TO BE EXPECTED AND ANTICIPATED; AND THE CONTRACTOR IS REQUIRED TO CAREFULLY REVIEW THE PLANS FOR ERRORS AND OMISSIONS AND TO BRING THESE ERRORS AND OMISSIONS TO THE ATTENTION OF AN APPROPRIATE OWNER REPRESENTATIVE IN A TIMELY MANNER AND ASSUMES THE RISK OF THE CONSEQUENCES OF FAILING TO DO SO BEFORE BIDDING OR OTHERWISE PROCEEDING.
 - THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION, AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES OR INCONSISTENCIES.
- SUBMITTALS WILL BE REVIEWED BY THE STRUCTURAL ENGINEER, IF AT ALL, ONLY PURSUANT TO THE INDUSTRY-STANDARD PROTOCOL SET FORTH IN AIA DOCUMENT A201, AND IN NO EVENT WILL THE SUBMITTAL REVIEW PROCESS RELIEVE OR LESSEN THE SUBMITTING CONTRACTOR'S RESPONSIBILITY FOR AN INAPPROPRIATE SUBMITTAL.
- IN NO EVENT WILL ANY SITE VISITS BY THE STRUCTURAL ENGINEER CONCERN CONSTRUCTION MEANS AND METHODS OR CONSTRUCTION SAFETY, AND ALL SUCH MATTERS SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- COPIES OF THE PLANS PROVIDED IN ANY ELECTRONIC FORM ARE SUBJECT TO THE SAME PROVISIONS AS THE OTHER INSTRUMENTS OF SERVICE PREPARED BY OR ON BEHALF OF STRUCTURAL ENGINEER FOR THE PROJECT, INCLUDING WITHOUT LIMITATION THE ENGINEER'S COMMON LAW, STATUTORY OR OTHER RESERVED RIGHTS, INCLUDING COPYRIGHTS. A RECIPIENT IS GRANTED AT MOST A TRANSFERABLE NONEXCLUSIVE LICENSE TO REUSE THE PLANS SOLELY FOR PROJECT PURPOSES; AND NO RECIPIENT IS AUTHORIZED TO USE OR TO ALLOW THE USE OF ALL OR ANY PORTION OF THESE PLANS FOR ANY OTHER PURPOSE, AND ANY USE FOR ANY OTHER PURPOSE WOULD CONSTITUTE ACTIONABLE PLAGIARISM. STRUCTURAL ENGINEER PROVIDES DOCUMENTS IN AN ELECTRONIC FORM ONLY IN ITS STANDARD FORMATS AND CONVENTIONS AND WITH NO GUARANTEE OF COMPATIBILITY WITH ANY RECIPIENT'S SOFTWARE OR HARDWARE, AND ANY USE WITH OR CONVERSION TO OTHER FORMATS OR CONVENTIONS, OR THE USE WITH ANY PARTICULAR SOFTWARE OR HARDWARE, IS AT THE RECIPIENT'S SOLE RISK.

PROJECT DESIGN CRITERIA

- BASIC DESIGN LIVE LOADS:
ROOF: 20 PSF (REDUCIBLE)
- WIND LOADS

RISK CATEGORY: II
EXPOSURE CATEGORY: C
ULTIMATE DESIGN WIND SPEED (3-SECOND GUST), V_{ult} = 96 MPH
NOMINAL DESIGN WIND SPEED, V_{50} = 74 MPH
VELOCITY PRESSURE EXPOSURE COEFFICIENT, K_z = 0.85
TOPOGRAPHIC FACTOR, K_{zt} = 1.0
WIND DIRECTIONALITY FACTOR, K_d = 0.85

A. MWFRS – DIRECTIONAL PROCEDURE (ASCE 7–22, CH. 27)
 $q_z = 0.00256 K_z K_{zt} K_d V_{ult}^2 = 20.05$ PSF
 $P = qG C_p - q(GC_{pi})$
GUST EFFECT FACTOR, $G = 0.85$
EXTERNAL PRESSURE COEFFICIENT, $(C_{pe}) = 0.73$ & -1.04 FOR WALLS, 0.30 & -1.80 FOR ROOF, -2.60 FOR ROOF OVERHANG
INTERNAL PRESSURE COEFFICIENT, $(GC_{pi}) = \pm 0.18$
 $P = 16.0$ PSF FOR WINDWARD WALLS
 $P = 16.0$ PSF FOR LEeward WALLS
* WIND PRESSURES ARE STRENGTH LEVEL FORCES

B. COMPONENTS & CLADDING (ASCE 7–22, CH. 30)
 $q_h = 0.00256 K_z K_{zt} K_d V_{ult}^2 = 20.05$ PSF
 $P = q_h [(GC_{pf}) - (GC_{pi})]$
GUST EFFECT FACTOR, $G = 0.85$
EXTERNAL PRESSURE COEFFICIENT, $(C_{pe}) = 0.73$ & -1.04 FOR WALLS, 0.30 & -1.80 FOR ROOF, -2.60 FOR ROOF OVERHANG
INTERNAL PRESSURE COEFFICIENT, $(GC_{pi}) = \pm 0.18$
 $P = 16.00$ PSF, -20.79 PSF FOR WALLS
 $P = 16.00$ PSF, -27.61 PSF FOR ROOF
 $P = -41.25$ PSF FOR ROOF OVERHANG
* WIND PRESSURES ARE STRENGTH LEVEL FORCES
- EARTHQUAKE LOADS

SEISMIC DESIGN CRITERIA
 $S_s = 0.86$
 $S_1 = 0.27$
SITE CLASS: C
 $S_{DS} = 0.77$
 $S_{D1} = 0.48$
RISK CATEGORY: II
SEISMIC DESIGN CATEGORY: D

SEISMIC DESIGN REQUIREMENTS
DESIGN BASE SHEAR $V = C_g W$
WHERE $C_g = S_{DS}/(R/I_e)$
BUT SHALL NOT BE LESS THAN $C_g = 0.044 S_{DS}$
BUT NEED NOT EXCEED $C_g = S_{D1}/[I_e(R/I_e)]$

BUILDING	R	ρ_b	T	l_e	C_s	v_p (K)	PRIMARY LATERAL FORCE RESISTING SYSTEM	ANALYSIS PROCEDURE	STRUCT. IRREG.	LOC. OF BASE
WASH BAY CANOPY	2.5	2.5	0.175	1.0	0.308	3.55	(1)	(A)	NONE	T.O.F.

(1) STEEL SPECIAL CANTILEVER COLUMN SYSTEMS (ASCE 7–22, TABLE 12.2–1, ITEM F.1.)
(A) EQUIVALENT LATERAL FORCE PROCEDURE

* DESIGN BASE SHEARS ARE STRENGTH LEVEL FORCES.

EXISTING UNDERGROUND UTILITIES

- THE ARCHITECT AND ENGINEERS ARE NOT RESPONSIBLE FOR THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES WHETHER OR NOT SHOWN ON THE DRAWINGS. THE LOCATION OF ANY EXISTING UNDERGROUND UTILITIES SHOWN ON THE DRAWINGS, IF ANY, IS APPROXIMATE. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THE SITE. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES WHICH MAY RESULT FROM HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ALL EXISTING UNDERGROUND UTILITIES.

FOUNDATION

- ALL PORTIONS OF WORK PERTAINING TO EXCAVATIONS, FOUNDATIONS AND RETAINING WALLS SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 18A.
- AN ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF WAS USED FOR DESIGN. BOTTOM OF FOOTINGS SHALL BE 2'-3" MINIMUM BELOW LOWEST ADJACENT FINAL GRADE AND BEAR ON APPROVED NATURAL GRADE OR COMPACTED FILL. COEFFICIENT OF FRICTION = 0.30 AND PASSIVE PRESSURE = 150 PCF
- THE CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE.
- THE CONTRACTOR SHALL PROVIDE FOR THE DESIGN, APPROVALS, PERMITS, INSTALLATION AND MONITORING OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED TO SAFELY RETAIN TEMPORARY EXCAVATIONS.
- EXCAVATIONS FOR FOOTINGS SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO PLACING CONCRETE AND REINFORCING. THE CONTRACTOR SHALL NOTIFY THE GEOTECHNICAL ENGINEER WHEN EXCAVATIONS ARE READY FOR INSPECTION. THE GEOTECHNICAL ENGINEER SHALL SUBMIT A LETTER OF COMPLIANCE TO THE OWNER.
- ALL EXCAVATIONS SHALL BE PROPERLY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE HAS ATTAINED FULL DESIGN STRENGTH. THE CONTRACTOR SHALL BRACE OR PROTECT ALL BUILDING AND PIT WALLS BELOW GRADE FROM LATERAL LOADS UNTIL ATTACHING FLOORS ARE COMPLETELY IN PLACE AND HAVE ATTAINED FULL DESIGN STRENGTH. THE CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS AND INSTALLATION AND REMOVAL OF SUCH BRACING.
- FOOTING BACKFILL AND UTILITY TRENCH BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS, TO THE APPROVAL OF THE GEOTECHNICAL ENGINEER. FLOODING WILL NOT BE PERMITTED.
- ALL ABANDONED FOOTINGS, UTILITIES, ETC., THAT INTERFERE WITH NEW CONSTRUCTION, SHALL BE REMOVED.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD ANY BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC., BE FOUND.

CONCRETE

- ALL PORTIONS OF WORK PERTAINING TO CONCRETE CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A.
- CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY. MIX DESIGNS SHALL CONFORM TO ACI 318, SEC. 26.4, CBC SEC.1903A AND 1904A. MIX DESIGNS SHALL INCORPORATE THE FOLLOWING CRITERIA:
 - MINIMUM OF 5 SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. MAXIMUM OF 7 SACKS OF CEMENT PER YARD OF CONCRETE.
 - MAXIMUM WATER/CEMENT RATIO (BY WEIGHT) OF CONCRETE IN CONTACT WITH SOIL SHALL BE 0.45.
 - MAXIMUM SLUMP SHALL NOT EXCEED 3" ± 1" FOR FOOTINGS, SLABS ON GRADE, AND MASS CONCRETE; AND 4" ± 1" FOR OTHER CONCRETE. SLUMP LIMITATIONS NOTED SHALL APPLY TO CONCRETE MIX PRIOR TO THE ADDITION OF ANY WATER-REDUCING ADMIXTURES OR SUPER-PLASTICIZERS. MAXIMUM SLUMP MAY BE INCREASED TO 5 +/- 1" FOR MIX INCLUDING WATER-REDUCING ADMIXTURES OR SUPER-PLASTICIZERS.
 - CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CHLORIDE(S) SHALL NOT BE USED.
- SCHEDULE OF STRUCTURAL CONCRETE 28 DAY MINIMUM STRENGTHS AND TYPES:
 - FOOTINGS, CAISSONS, GRADE BEAMS 150 PCF, $f'_c = 4,500$ PSI
 - SLABS ON GRADE 150 PCF, $f'_c = 4,500$ PSI
 - ELSEWHERE UNLESS NOTED 150 PCF, $f'_c = 3,000$ PSI
- PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II. CEMENT USED FOR CONCRETE IN CONTACT WITH SOIL SHALL CONFORM TO ASTM C-150, TYPE V.
- AGGREGATE FOR NORMALWEIGHT CONCRETE SHALL CONFORM TO ASTM C-33. COMBINED AGGREGATE GRADATION OF $\frac{3}{8}$ " MAXIMUM (PEA GRAVEL) SHALL NOT BE USED.
- AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C-330. THE COURSE AGGREGATE SIZE SHALL NOT EXCEED $\frac{3}{4}$ " AND THE ABSOLUTE VOLUME OF COARSE AGGREGATE SHALL NOT EXCEED 9.0 CUBIC FEET PER CUBIC YARD OF CONCRETE.
- READY MIXED CONCRETE SHALL CONFORM TO ASTM C-94.
- PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 304. CLEAN AND ROUGHEN TO $\frac{1}{4}$ " AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.
- ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING CONCRETE.

CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 THROUGH #18 BARS 2"
#5 BARS, W31 OR D31 WIRE, AND SMALLER $\frac{1}{2}$ "
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
SLABS, WALLS, JOISTS:
#14 AND #18 BARS $\frac{1}{2}$ "
#11 BAR AND SMALLER $\frac{3}{4}$ "
BEAMS, COLUMNS:
PRIMARY REINFORCEMENT STIRRUPS, TIES, SPIRALS $\frac{1}{2}$ "
- CONDUITS OR PIPES SHALL NOT BE EMBEDDED WITHIN A SLAB, WALL, BEAM, OR COLUMN, UNLESS SPECIFICALLY DETAILED.
- CONDUITS OR PIPES SHALL NOT BE EMBEDDED WITHIN CONCRETE FILL OVER METAL DECK.
- SEE ARCHITECTURAL AND STRUCTURAL DRAWINGS FOR ALL MOLDS, GROOVES, REVEALS, ORNAMENTS AND GROUNDS TO BE CAST IN CONCRETE.
- DRYPACK WHERE NOTED ON DRAWINGS SHALL CONSIST OF 1 PART PORTLAND CEMENT AND $2\frac{1}{2}$ PARTS OF FINE AGGREGATE CONFORMING TO ASTM C-33 WITH ENOUGH WATER TO FORM A BALL WHEN SQUEEZED IN THE HAND. THE SPACE BETWEEN TWO SURFACES REQUIRING DRYPACK SHALL BE PACKED WITH THE DRYPACK MATERIAL BY TAMPING OR RAMMING WITH A BAR OR ROD UNTIL THE VOIDS ARE COMPLETELY FILLED.
- NON-SHRINK GROUT WHERE NOTED ON DRAWINGS SHALL BE A PRE-MIXED COMPOUND CONSISTING OF NON-METALLIC AGGREGATE, CEMENT, WATER REDUCING AND PLASTICIZING ADDITIVES, CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 8,000 PSI AT 28 DAYS. WHERE APPLICATION THICKNESS EXCEEDS MANUFACTURER'S LIMITATIONS, EXTEND WITH $\frac{3}{8}$ " (GRAVEL) AGGREGATE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- IF APPROVED BY DIVISION OF THE STATE ARCHITECT, BATCH PLANT INSPECTION MAY BE REDUCED TO PERIODIC SUBJECT TO THE REQUIREMENTS OF CBC SEC. 1705A.3.3.1.

REINFORCING STEEL

- ALL PORTIONS OF WORK PERTAINING TO FABRICATION AND PLACEMENT OF REINFORCING STEEL SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A.
- REINFORCING BARS SHALL CONFORM TO ASTM A-615 GRADE 60, EXCEPT #3 BARS MAY BE GRADE 40. REINFORCING BARS THAT ARE TO BE WELDED SHALL CONFORM TO ASTM A-706, GRADE 60.
- WELDING OF REINFORCEMENT SHALL BE WITH LOW HYDROGEN ELECTRODES AND SHALL CONFORM TO STRUCTURAL WELDING CODE – REINFORCING STEEL, AWS D1.4, BY THE AMERICAN WELDING SOCIETY AND CBC SEC. 1903A.8. WELDING RODS USED FOR THE WELDING OF REINFORCING SHALL BE E80XX. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD. ALL #5 OR LARGER REINFORCING BARS SHALL NOT BE RE-BENT.
- FUSION WELDED REINFORCING STEEL ASSEMBLIES SHALL CONFORM TO SEC. 1903A.8. TIES/STIRRUP BARS IN FUSION WELDED ASSEMBLIES SHALL CONFORM TO ASTM A-706, AND LONGITUDINAL HOLDING WIRES SHALL CONFORM TO ASTM-1064. CONTRACTOR AT HIS OPTION MAY USE FUSION WELDED REINFORCING STEEL ASSEMBLIES AT LOCATIONS APPROVED BY DSA. CONTRACTOR SHALL PROVIDE DRAWINGS SUITABLE FOR SUBMITTAL AND APPROVAL BY DSA SHOWING PROPOSED LOCATIONS AND DETAILS NOT ALREADY DETAILED ON DSA APPROVED DRAWINGS. CONTRACTOR ASSUMES ALL RESPONSIBILITY FOR ANY AND ALL DELAYS RELATED TO APPROVAL AND USE OF FUSION WELDED REINFORCING STEEL ASSEMBLIES.
- WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-1064, AND SHALL BE LAPPED $\frac{1}{2}$ SPACES AND 12" MINIMUM.
- DOWELS BETWEEN FOOTINGS AND WALLS OR COLUMNS SHALL BE THE SAME GRADE, SIZE, SPACING AND NUMBER AS THE VERTICAL REINFORCEMENT, RESPECTIVELY.
- REINFORCING SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS.
- ALL VERTICAL REINFORCING SHALL BE CONTINUOUS BETWEEN TWO DIAPHRAGM LEVELS, UNLESS NOTED OTHERWISE.

STAMPS

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File No: 37-C5 APO-124611

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DIV. OF THE STATE ARCHITECT
APP: 04-124611 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 07/30/2026

RUHNAU
CLARKE
ARCHITECTS

CONCRETE BLOCK MASONRY (f'm = 2,000 PSI)

1. ALL PORTIONS OF WORK PERTAINING TO CONCRETE BLOCK MASONRY CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 21A.
2. THE STRENGTH OF CONCRETE BLOCK MASONRY CONSTRUCTION SHALL BE DETERMINED BY THE UNIT STRENGTH METHOD IN ACCORDANCE WITH CBC SEC. 2105A.3, AND TMS 602 ARTICLES 1.4B.2b, 1.5B.1 & 1.5B.2.
3. THE STRENGTH OF CONCRETE BLOCK MASONRY CONSTRUCTION SHALL BE DETERMINED BY PRISM TESTING IN ACCORDANCE WITH CBC SEC. 2105A.2 AND TMS 602 ARTICLES 1.4B.3, 1.4B.4, 1.5B.1, 1.5B.2.
4. CONCRETE BLOCKS SHALL BE HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS CONFORMING TO ASTM C-90, MEDIUM WEIGHT UNITS, NET COMPRESSIVE STRENGTH OF 2,000 PSI. USE OPEN END UNITS AT VERTICAL REINFORCING.
5. CEMENT SHALL BE AS SPECIFIED FOR CONCRETE.
6. MORTAR SHALL CONFORM TO ASTM C-270, FOR TYPE S MORTAR. MORTAR SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS.
7. GROUT SHALL CONFORM TO ARTICLE 2.2 OF TMS 602. GROUT PROPORTIONS SHALL CONFORM TO ASTM C-476, TABLE 1, FOR COARSE GROUT. USE SUFFICIENT WATER FOR GROUT TO FLOW INTO ALL CELLS WITHOUT SEGREGATION. SIKKA GROUT AD ADMIXTURE, OR APPROVED EQUAL, SHALL BE USED. GROUT SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS.
8. PROVIDE A MINIMUM ONE BAR DIAMETER OF GROUT BETWEEN MAIN REINFORCING AND MASONRY UNITS. PROVIDE A MINIMUM OF ½" OF GROUT AROUND ALL BOLTS EMBEDDED IN MASONRY.
9. CELLS SHALL BE IN VERTICAL ALIGNMENT. DOWELS IN FOOTINGS SHALL BE SET TO ALIGN WITH CORES CONTAINING VERTICAL REINFORCING.
10. ALL REINFORCING BARS, ANCHOR BOLTS, STEEL PLATES, AND OTHER CMU INSERTS SHALL BE SECURED IN POSITION PRIOR TO PLACING GROUT, TO PREVENT MOVEMENT DURING GROUT PLACEMENT AND CONSOLIDATION WITH MECHANICAL VIBRATOR DIRECTLY ADJACENT.
11. ALL CELLS IN CONCRETE BLOCKS SHALL BE SOLIDLY FILLED WITH GROUT.
12. LOW-LIFT GROUTED CONSTRUCTION SHALL CONFORM TO CBC SEC. 2104A.1.3.6 MAXIMUM GROUT POUR HEIGHT FOR LOW-LIFT CONSTRUCTION SHALL BE 4 FEET.
13. HIGH-LIFT GROUTED CONSTRUCTION SHALL CONFORM TO CBC SEC. 2104A.1.3.5.2, 2104A.1.3.5.3 AND DS410.2. MAXIMUM GROUT POUR HEIGHT SHALL NOT EXCEED 12 FEET. PROVIDE CLEANOUT OPENINGS AND ADEQUATE PROVISIONS TO PREVENT FACE SHELL DAMAGE (BLOW-OUT) AT THE BOTTOM OF EACH POUR OF GROUT.
14. GROUT POURS SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION AND RECONSOLIDATED AFTER EXCESS MOISTURE HAS BEEN ABSORBED, BUT BEFORE WORKABILITY IS LOST.
15. HORIZONTAL REINFORCING SHALL BE PLACED IN BOND BEAM UNITS.
16. REFER TO ARCHITECTURAL DRAWINGS FOR SURFACE TEXTURE, HEIGHT OF MASONRY UNITS, LAYING PATTERN AND JOINT TYPE. USE RUNNING BOND PATTERN, UNLESS NOTED OTHERWISE.
17. NO PIPES OR DUCTS SHALL BE PLACED IN MASONRY CONSTRUCTION UNLESS SPECIFICALLY NOTED OR DETAILED. WHERE PIPES ARE DETAILED TO PASS THROUGH MASONRY WALLS, PROVIDE SLEEVE OR CORED HOLE 2" LARGER THAN OUTSIDE DIAMETER OF PIPE.
18. ELECTRICAL CONDUIT MAY BE ROUTED IN MASONRY WALLS AS FOLLOWS:
- A. MAXIMUM SIZE AND QUANTITY OF CONDUIT PER CELL (EXCEPT AT JUNCTION BOXES) SHALL BE AS FOLLOWS: FOR 8" BLOCK, ONE-1" DIAMETER OR TWO - ¾" DIAMETER; FOR 12" BLOCK, TWO - 1" DIAMETER OR FOUR - ¾" DIAMETER. MULTIPLE CONDUITS SHALL BE BUNDLED TOGETHER.
- B. CONDUIT SHALL NOT BE PLACED IN A MASONRY CELL CONTAINING REINFORCING.
- C. CONDUIT SHALL NOT BE PLACED IN A PILASTER.
- D. CONDUIT SHALL BE PLACED AT THE CENTERLINE OF THE WALL.
18. ALL STRUCTURAL MASONRY WORK SHALL BE CONTINUOUSLY INSPECTED DURING LAYING AND GROUTING BY A SPECIAL INSPECTOR SPECIFICALLY APPROVED BY THE ENFORCEMENT AGENCY FOR THAT PURPOSE.

STEEL DECKING

1. SEE STRUCTURAL STEEL AND MISCELLANEOUS METAL NOTES FOR ADDITIONAL INFORMATION.
2. STEEL DECKING SHALL BE OF THE TYPE AND GAUGE AS NOTED ON THE DRAWINGS. DECKING AND ALL ACCESSORIES SHALL BE GALVANIZED AND SHALL CONFORM TO ASTM A-653 SS, GRADE 50 MINIMUM. GALVANIZING SHALL CONFORM TO COATING DESIGNATION G90, UNLESS NOTED OTHERWISE.
3. STEEL DECKING TO RECEIVE CONCRETE FILL SHALL BE COMPOSITE TYPE, DEFORMED TO PROVIDE MECHANICAL BOND WITH THE CONCRETE, UNLESS NOTED OTHERWISE.
4. STEEL DECKING TO RECEIVE CONCRETE FILL SHALL HAVE BUILT-IN VENTS. UNITS SHALL HAVE SLOTTED AND VENTED WEBS WITH A MINIMUM 1.5% UNIFORMLY DISTRIBUTED OPEN AREA.
5. DECK UNITS SHALL BE CONTINUOUS OVER TWO OR MORE SPANS. PROVIDE SHORING AS REQUIRED BY MANUFACTURER'S CURRENT EVALUATION REPORT FOR NUMBER AND LENGTHS OF SPANS, AND AS REQUIRED BY MANUFACTURER TO SUIT JOB CONDITIONS.
6. MINIMUM BEARING OF DECKING ON SUPPORTS SHALL BE 2 INCHES. SHEETS SHALL BE ATTACHED TO ALL SUPPORTING STEEL MEMBERS (INCLUDING MEMBERS PARALLEL TO DECK UNDER UP-FLUTES) BY WELDING AS INDICATED ON DRAWINGS AND IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. ADD METAL PLATE TO MATCH DECK THICKNESS, AS REQUIRED TO FACILITATE WELDING WHERE DECK DOWN FLUTES DO NOT LAND ON PARALLEL SUPPORTING MEMBERS. UPON COMPLETION OF ERECTION, ALL WELDS SHALL BE TOUCHED UP, DE-SLAGED, CLEANED AND PRIMED WITH A ZINC RICH PRIMER.
7. SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL DRAWINGS, ETC., FOR SIZE AND LOCATION OF REQUIRED OPENINGS.
8. PROVIDE CLOSURE PLATES AT ALL DECK EDGES, INCLUDING CLOSURES AT COLUMNS, AND SHAFT OPENINGS OR DUCT PENETRATIONS. STEEL DECKING SUBCONTRACTOR SHALL SUPPLY ALL CLOSURES AND ALL SUPPORT FRAMING WHERE NECESSARY FOR SUCH OPENINGS.
9. STEEL DECKING SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INDICATE LOCATION, GAUGE AND SIZE OF EACH PIECE OF DECKING. SHOP DRAWINGS SHALL ALSO SHOW ALL CLOSURE CONDITIONS, WELDS TO SUPPORTS AND SIDE LAP DETAILS.
10. STEEL DECKING SHOP DRAWINGS SHALL INDICATE SHEAR STUD CONNECTOR DETAILS AND STUD LAYOUT FOR EACH BEAM.
11. SHEAR STUDS SHALL BE WELDED THROUGH ONLY ONE THICKNESS OF DECK USING APPROVED WELDING METHODS. DECK SHALL BE PREPUNCHED WHERE MORE THAN ONE LAYER OF DECKING OCCURS AT A STUD LOCATION.
12. WELDING OF STEEL DECKING SHALL BE IN ACCORDANCE WITH THE STRUCTURAL WELDING CODE - SHEET STEEL, AWS D1.3 BY THE AMERICAN WELDING SOCIETY.

STRUCTURAL STEEL AND MISCELLANEOUS METAL

1. ALL PORTIONS OF WORK PERTAINING TO STRUCTURAL STEEL CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 22A.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-992, UNLESS NOTED OTHERWISE.
3. ROUND HOLLOW STRUCTURAL SECTION (HSS) SHALL CONFORM TO ASTM A-500, GRADE C (Fy=46 KSI).
4. SQUARE AND RECTANGULAR HOLLOW STRUCTURAL SECTIONS (HSS) SHALL CONFORM TO ASTM A-500, GRADE C (Fy=50 KSI).
5. PIPE SECTIONS SHALL CONFORM TO ASTM A53 GRADE B (Fy=35 KSI).
6. CHANNELS, ANGLES AND PLATES SHALL CONFORM TO ASTM A-36, UNLESS NOTED OTHERWISE.
7. ALL BOLTS SHALL CONFORM TO THE FOLLOWING, UNLESS NOTED OTHERWISE:
- ANCHOR BOLTS IN MASONRY: ASTM A-307
 - ANCHOR BOLT RODS IN CONCRETE: ASTM F1554, GRADE 36
 - TYPICAL STEEL CONNECTIONS: ASTM A325N OR ASTM A490 (NON-SLIP-CRITICAL)
 - MOMENT AND DRAG CONNECTIONS: ASTM A325SC, ASTM A490SC, OR ASTM F2280 (SLIP-CRITICAL)
 - MISCELLANEOUS CONNECTIONS NOT NOTED OTHERWISE: ASTM A-307
8. HIGH STRENGTH BOLTS SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE:
- JOINT ASSEMBLIES USING HIGH-STRENGTH BOLTS SHALL BE IN ACCORDANCE WITH SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS, BY THE RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS.
 - NUTS SHALL CONFORM TO ASTM A-563, AND WASHERS SHALL CONFORM TO ASTM F-436.
 - PAINT SHALL NOT BE PERMITTED ON CONTACT SURFACES UNLESS NOTED OTHERWISE. CONTACT SURFACES OF BOLTED PARTS SHALL BE DESCALED AND FREE OF DIRT, OIL, BURRS, PITS, AND OTHER DEFECTS WHICH PREVENT SOLID SEATING OF PARTS.
 - SLIP-CRITICAL JOINT ASSEMBLIES SHALL BE FULLY PRE-TENSIONED BY TURN-OFF-NUT TIGHTENING, CALIBRATED WRENCH TIGHTENING OR BY DIRECT TENSION INDICATOR TIGHTENING (ASTM F959).
9. STRUCTURAL STEEL IN SFRS LINES SHALL BE CONNECTED IN SLIP-CRITICAL JOINTS COMPLYING WITH AISI 341-16, SECTION D.2.2, CLASS A FAYING SURFACE.
10. ANCHOR BOLTS SHALL BE HEX HEADED. BENT BAR ANCHORS SHALL NOT BE USED.

11. BOLT HOLES SHALL BE ¼" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, UNLESS NOTED OTHERWISE. BOLT HOLES AT COLUMN BASEPLATES MAY BE ¾" MAXIMUM LARGER IN DIAMETER THAN NOMINAL SIZE OF ANCHOR BOLT USED, UNLESS NOTED OTHERWISE.
12. STRUCTURAL STEEL SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
13. ALL WELDING SHALL CONFORM TO THE STRUCTURAL WELDING CODE - STEEL, AWS D1.1 AND STRUCTURAL WELDING CODE SEISMIC SUPPLEMENT AWS D1.8, BY THE AMERICAN WELDING SOCIETY. WELDING RODS SHALL BE E70XX.
14. ALL WELDING IN SFRS LINES SHALL COMPLY WITH AWS D1.8 AND AISI 341-16 SECTION A3.4A.
15. THE FILLER METAL FOR ALL WELDING SHALL HAVE A NOTCH TOUGHNESS OF NOT LESS THAN 20 FT-LBS AT 0 DEGREES F, AS MEASURED BY A STANDARD CHARPY V-NOTCH TEST, ASTM E23, IN ACCORDANCE WITH THE APPLICABLE FILLER METAL SPECIFICATION REFERENCED IN AWS D1.1 AND SEISMIC SUPPLEMENT AWS D1.8.
16. ALL DEMAND CRITICAL WELDS SHALL HAVE A NOTCH TOUGHNESS OF NOT LESS THAN 40 FT-LBS AT 70 DEGREES F, AS MEASURED BY STANDARD CHARPY V-NOTCH TEST, ASTM E23, IN ACCORDANCE WITH THE APPLICABLE FILLER METAL SPECIFICATION REFERENCED IN AWS D1.1 AND SEISMIC SUPPLEMENT AWS D1.8.
17. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS.

18. ALL WELDS NOT SPECIFIED SHALL BE CONTINUOUS FILLET WELDS. SIZE OF WELDS SHALL BE BASED ON AWS D1.1 AND AISI 360-16 SECTION J2.2b FOR THICKER PART JOINED.
19. WRITTEN WELDING PROCEDURE SPECIFICATIONS (WPS) PER THE RECOMMENDATIONS OF THE AMERICAN WELDING SOCIETY (AWS) SHALL BE DEVELOPED BY THE FABRICATOR/ERECTOR AND SUBMITTED FOR REVIEW TO THE ENGINEER PRIOR TO ANY WELDING OF THE STRUCTURAL STEEL. THE WELDING PROCEDURES SHALL INCLUDE ALL THE WELDED JOINTS AND CONFIGURATIONS TO BE USED ON THE PROJECT-ONLY WPS WHICH ARE RELEVANT TO THIS PROJECT SHALL BE SUBMITTED. ALL WELDED JOINTS SHALL BE PREQUALIFIED PER AWS OR BE QUALIFIED BY TEST PER AWS. A PROCEDURE QUALIFICATION RECORD (PQR) SHALL BE INCLUDED WITH THE WPS IF THE WELDING PROCEDURE OR JOINT IS QUALIFIED BY TESTING. THE ELECTRODE MANUFACTURER AND THE PROJECT/TRADE NAME SHALL BE IDENTIFIED IN THE WPS IN ADDITION TO THE AWS ELECTRODE CLASSIFICATION NAME. A COPY OF THE ELECTRODE MANUFACTURER'S TECHNICAL DATA SHEETS WITH THE RECOMMENDED WELDING PARAMETERS SHALL BE SUBMITTED WITH THE WPS.
20. DO NOT PAINT STRUCTURAL STEEL SURFACES THAT ARE TO RECEIVE SPRAY-APPLIED FIREPROOFING OR TO BE ENCASED IN CONCRETE OR MASONRY.
21. ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL ITEMS, INCLUDING CONNECTORS, EXPOSED TO THE WEATHER SHALL BE HOT-DIPPED GALVANIZED. AFTER FABRICATION, PROTECT FIELD WELDS EXPOSED TO WEATHER VIA PRIME AND PAINT OR BRUSH/COLD GALVANIZING.
22. FOR ALL STRUCTURAL STEEL THAT IS TO REMAIN EXPOSED AND VISIBLE PER THE ARCHITECTURAL DRAWINGS, CONTRACTOR SHALL GRIND SMOOTH ALL EXPOSED WELDS AND SHALL COMPLY WITH THE SPECIFICATIONS FOR (AESS) ARCHITECTURALLY EXPOSED STRUCTURAL STEEL FOUND ON THE AISI CODE OF STANDARD PRACTICE.
23. STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESSIVE RUST, MILL SCALE, GREASE, ETC.
24. OPENINGS SHALL NOT BE PLACED IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED.
25. THE CONTRACTOR SHALL IDENTIFY ALL PROTECTED ZONE SURFACES USING SUITABLE NON-DESTRUCTIVE MEANS (SUCH AS YELLOW PAINT). TEMPORARY METHODS SUCH AS DUCT TAPE IS NOT ALLOWED.

- ONCE THE STEEL DECKING IS IN PLACE, THE CONTRACTOR SHALL USE SUITABLE NON-DESTRUCTIVE AND PERMANENT MEANS TO IDENTIFY THE PROTECTED ZONES PRIOR TO THE INSTALLATION OF SHEAR STUDS AND DECK ATTACHMENTS.
- AFTER SPRAYED ON FIRE-RESISTIVE MATERIAL HAS BEEN APPLIED, THE CONTRACTOR SHALL USE SUITABLE NON-DESTRUCTIVE AND PERMANENT MEANS TO IDENTIFY THE PROTECTED ZONES FOR OTHER DISCIPLINES TO PRECLUDE UNAUTHORIZED ATTACHMENTS.

POST-INSTALLED ANCHORS

1. ACCEPTABLE EQUIVALENT MANUFACTURERS OF POST-INSTALLED EXPANSION ANCHORS AND SCREW ANCHORS SHALL BE HILTI INC., SIMPSON STRONG-TIE COMPANY INC., OR DEWALT, UNO.
2. TESTS FOR POST-INSTALLED ANCHORS IN HARDENED CONCRETE SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A, SECTION 1910A.5.
3. POST-INSTALLED ANCHOR INSTALLATION SHALL BE INSPECTED BY A SPECIAL INSPECTOR SPECIFICALLY APPROVED BY THE ENFORCEMENT AGENCY FOR THAT PURPOSE.
4. POST-INSTALLED ANCHOR TESTING SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.
5. TEST QUANTITY OF POST-INSTALLED ANCHORS AS NOTED BELOW:
- | APPLICATION | QUANTITY |
|---|---------------|
| SILL PLATES | 10% OF BOLTS |
| STRUCTURAL | 100% OF BOLTS |
| NON-STRUCTURAL (EQUIP. ANCHORAGE, ETC.) | 50% OF BOLTS |
6. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME CATEGORY NOT PREVIOUSLY TESTED UNTIL TWENTY (20) CONSECUTIVE ANCHORS PASS, THEN RESUME INITIAL TESTING FREQUENCY.
7. TORQUE TESTING SHALL BE APPLIED BY CALIBRATED WRENCH. TENSION TESTING (WHERE INDICATED) SHALL BE APPLIED BY HYDRAULIC JACK OR CALIBRATED SPRING LOADING DEVICE.
8. THE FOLLOWING CRITERIA SHALL APPLY FOR THE ACCEPTANCE OF INSTALLED POST-INSTALLED ANCHORS:
- A. TORQUE WRENCH METHOD: THE APPLICABLE TEST TORQUE MUST BE ATTAINED WITHIN ONE-HALF (½) TURN OF THE NUT. SLEEVE ANCHORS ¾" INCH DIAMETER OR LESS MUST ATTAIN THE SPECIFIED TEST TORQUE WITHIN ONE-QUARTER (¼) TURN OF THE NUT, AND THREADED ANCHORS MUST ATTAIN THE SPECIFIED TEST TORQUE WITHIN ONE-QUARTER (¼) TURN OF THE SCREW AFTER INITIAL SEATING OF THE SCREW HEAD.
- B. HYDRAULIC RAM METHOD: (FOR TENSION TESTING WHERE INDICATED) ANCHORS SHALL MAINTAIN THE TENSION TEST LOAD FOR A MINIMUM OF 15 SECONDS AND SHALL EXHIBIT NO DISCERNABLE MOVEMENT DURING THE TENSION TEST. (AN EXAMPLE OF DISCERNABLE MOVEMENT WOULD BE LOOSENING OF THE WASHER UNDER THE NUT).
9. TEST LOADS (1)(2)(3)

TORQUE TEST VALUES -- EXPANSION ANCHORS NORMAL WEIGHT CONCRETE			
ANCHOR DIAMETER (INCH)	ANCHOR DEPTH (INCHES)	REQ'D. ANCHOR DEPTH (INCHES NOMINAL)	TORQUE (FT-LBF)
3⁄8	2	2½	30
	2	2½	50
½	3¼	3¼	50
	3¼	3¼	40
¾	4	4½	40
	3¾	4½	110
¾	4¾	5½	110

- (1) TEST VALUES ARE BASED ON KWIK BOLT TZ2 (KB-TZ2) EXPANSION ANCHORS BY HILTI, INC. (ICC EVALUATION REPORT NUMBER ESR-4266).
- (2) TEST VALUES ARE BASED ON CARBON STEEL ANCHORS.
- (3) VERIFY TORQUE VALUES WITH MANUFACTURER FOR SIMPSON STRONG-BOLT 2 (ICC ESR-3037) OR DEWALT POWER-STUD+SD2 (ICC ESR-2502)

TORQUE TEST VALUES -- EXPANSION ANCHORS GROUT FILLED CMU			
ANCHOR DIAMETER (INCH)	ANCHOR DEPTH (INCHES)	REQ'D. ANCHOR DEPTH (INCHES NOMINAL)	TORQUE (FT-LBF)
3⁄8	2½	3	15
	2	2½	25
½	3¼	3¼	25
	2¾	3¼	35
¾	4	4½	35
	3¾	4	50
¾	4¾	5½	50

- (1) TEST VALUES ARE BASED ON KWIK BOLT TZ2 (KB-TZ2) EXPANSION ANCHORS BY HILTI, INC. (ICC EVALUATION REPORT NUMBER ESR-4561).
- (2) TEST VALUES ARE BASED ON CARBON STEEL ANCHORS.
- (3) ACCEPTABLE EQUIVALENT ANCHORS SHALL HAVE ICC OR IAPMO APPROVAL FOR 2021 IBC IN CRACKED GROUT FILLED CMU.

TORQUE TEST VALUES -- EXPANSION ANCHORS STRUCTURAL LIGHT WEIGHT CONCRETE OVER METAL DECK			
ANCHOR DIAMETER (INCH)	ANCHOR DEPTH (INCHES)	REQ'D. ANCHOR DEPTH (INCHES NOMINAL)	TORQUE (FT-LBF)
3⁄8	2	2½	30
	2	2½	50
½	3¼	3¼	50
	3¼	3¼	40
¾	4	4½	40

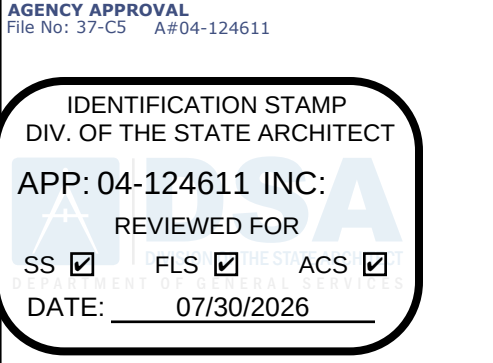
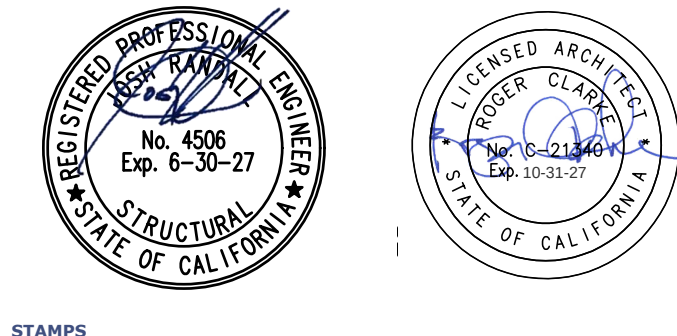
- (1) TEST VALUES ARE BASED ON KWIK BOLT TZ2 (KB-TZ2) EXPANSION ANCHORS BY HILTI, INC. (ICC EVALUATION REPORT NUMBER ESR-4266).
- (2) TEST VALUES ARE BASED ON CARBON STEEL ANCHORS.
- (3) VERIFY TORQUE VALUES WITH MANUFACTURER FOR SIMPSON STRONG-BOLT 2 (ICC ESR-3037) OR DEWALT POWER-STUD+SD2 (ICC ESR-2502)

TORQUE TEST VALUES -- SCREW ANCHORS NORMAL WEIGHT CONCRETE		
ANCHOR DIAMETER (INCH)	ANCHOR DEPTH (INCHES NOMINAL)	TORQUE (FT-LBF)
¼	1 5⁄8"	24
	2 ½"	24
	2¾	50
3⁄8	3½	50
	3¾	65
	4½	65
½	4½	100
	6	100
¾	6	150
	6¾	150

- (1) TEST VALUES ARE BASED ON TITEN HD SCREW ANCHORS BY SIMPSON STRONG-TIE, (ICC EVALUATION REPORT NUMBER ESR-2713).
- (2) VERIFY TORQUE VALUES WITH MANUFACTURER FOR HILTI KWIK HUS-EZ SCREW ANCHORS (ICC ESR-3027) OR DEWALT SCREW-BOLT+SCREW ANCHOR (ICC ESR-3889)

ANCHORS AND/OR DOWELS INSTALLED WITH ADHESIVE

1. ANCHORS AND/OR DOWELS SHALL BE INSTALLED WITH ADHESIVE ONLY WHERE INDICATED ON DRAWINGS.
2. ANCHORS AND/OR DOWELS SHALL BE INSTALLED IN CONCRETE USING ONE OF THE FOLLOWING PRODUCTS IN ACCORDANCE WITH THE APPLICABLE ICC/IAPMO REPORT:
- HILTI HIT-HY 200 V3 ADHESIVE ICC NO. ESR-4868
 - SIMPSON SET-3G ADHESIVE ICC NO. ESR-4057
 - DEWALT PURE110+ ADHESIVE ICC NO. ESR-3298
3. ANCHORS AND/OR DOWELS SHALL BE INSTALLED IN GROUTED MASONRY USING ONE OF THE FOLLOWING PRODUCTS IN ACCORDANCE WITH THE APPLICABLE ICC REPORT:
- HILTI HIT-HY 200 V3 ADHESIVE ICC NO. ESR-4878
 - SIMPSON SET-3G ADHESIVE ICC NO. ESR-4844
4. ADHESIVE SYSTEMS OTHER THAN THOSE SPECIFIED SHALL BE SUBMITTED AS A SUBSTITUTION, AND ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE ENFORCEMENT AGENCY, THE ARCHITECT, AND THE STRUCTURAL ENGINEER.
5. HOLES SHALL BE DRILLED WITH NON-REBAR-CUTTING DRILL BITS.
6. HOLES SHALL BE CLEAN OF CONCRETE DUST AND DEBRIS USING A STEEL WIRE BRUSH AND OIL-FREE COMPRESSED AIR. HOLES SHALL ALSO BE FREE OF STANDING WATER.
7. PROJECT INSPECTOR SHALL VERIFY INSTALLATION OF ANCHORS OR DOWELS IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS, INCLUDING CLEANLINESS OF DRILL HOLES AND PROPER EMBEDMENT.
8. ANCHORS SET IN CONCRETE AND GROUTED MASONRY SHALL BE TESTED TO 2 TIMES THE ASD ALLOWABLE TENSION LOAD, 1.25 TIMES THE LRFD STRENGTH CAPACITY, OR 80% OF THE YIELD STRENGTH OF THE BOLT FOR THE SPECIFIC LOCATION OF THE ANCHOR TO BE TESTED, WHICHEVER IS LESS. TORQUE TESTING IS NOT PERMITTED, SEE DETAILS FOR TEST LOADS.
9. ADHESIVE ANCHORS INSTALLED IN HORIZONTAL TO VERTICALLY OVERHEAD ORIENTATION TO SUPPORT SUSTAINED TENSION LOADS SHALL BE DONE BY A CERTIFIED ADHESIVE ANCHOR INSTALLER (AAI) AS CERTIFIED THROUGH ACI/CRSI (ACI 318-19 26.13.1.6). PROOF OF CURENT CERTIFICATION SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO COMMENCEMENT OF INSTALLATION.
10. ADHESIVE ANCHORS MUST BE INSTALLED IN CONCRETE AGED A MINIMUM OF 21 DAYS.

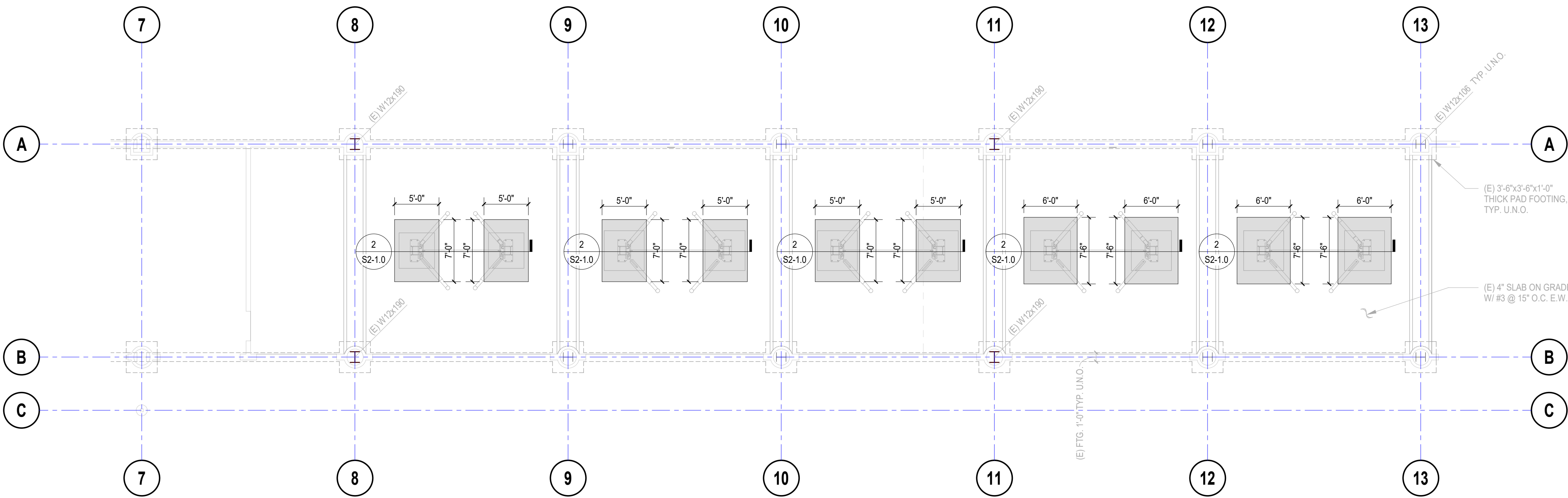


FOUNDATION PLAN NOTES

- SEE SHEETS S-0.1 THROUGH S-0.3 FOR GENERAL NOTES AND TYPICAL DETAILS.
- SEE SPECIFICATIONS FOR ALL SITE AND SUBGRADE PREPARATIONS.
- SEE ARCHITECTURAL AND/OR CIVIL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
- SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ALL EXTERIOR CONCRETE PAVING, SLABS, BASES, CURBS, SITE WALLS, ETC.
- FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
- SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLABS.
- SEE ARCHITECTURAL PLUMBING, MECHANICAL, ELECTRICAL AND KITCHEN DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS AND SLAB PENETRATIONS.

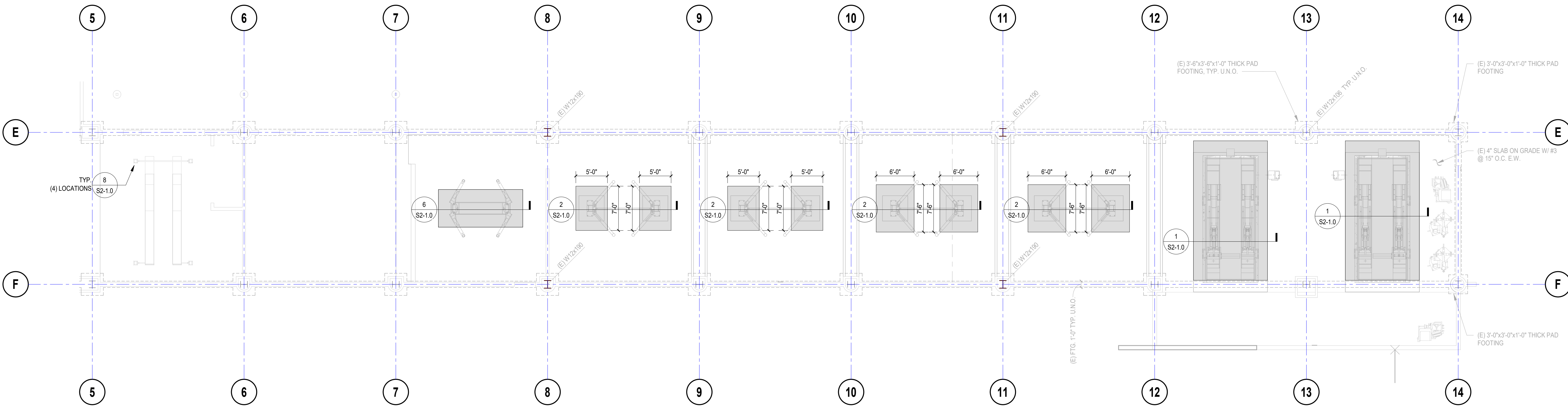
LEGEND

 : INDICATES CONCRETE SLAB PATCH



BLDG. K - EAST AUTO BAYS - FOUNDATION PLAN

SCALE: 1/8" = 1'-0" 2



BLDG. K - WEST AUTO BAYS - FOUNDATION PLAN

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



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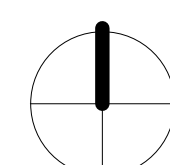
1. SEE SHEETS S-0.1 THROUGH S-0.2 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. SEE SPECIFICATIONS FOR ALL SITE AND SUBGRADE PREPARATIONS.
3. SEE ARCHITECTURAL AND/OR CIVIL DRAWINGS FOR FINISH FLOOR ELEVATIONS.
4. SEE ARCHITECTURAL AND CIVIL DRAWINGS FOR ALL EXTERIOR CONCRETE PAVING, SLABS, BASES, CURBS, SITE WALLS, ETC.
5. FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
6. SEE PLANS AND ARCHITECTURAL DRAWINGS FOR DEPRESSIONS AND/OR SLOPES IN CONCRETE SLABS.
7. ALL DIMENSIONS SHOWN ARE FROM FACE OF WALL, CENTER LINE OF COLUMN, OR CENTER LINE OF WALL, UNLESS NOTED OTHERWISE.
8. SEE ARCHITECTURAL DRAWINGS FOR SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS IN BEARING AND NON-BEARING WALLS.
9. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF INTERIOR, NON-BEARING PARTITIONS. INTERIOR NON-BEARING PARTITION WALLS THAT DO NOT REQUIRE CONCRETE CURBS ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
10. SEE ARCHITECTURAL, PLUMBING, MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL EMBEDDED ITEMS AND SLAB PENETRATIONS.

- INDICATES STEEL COLUMN SIZE.
- INDICATES CONCRETE FOOTING.
- INDICATES DEPTH OF TOP OF FOOTING BELOW FINISH FLOOR.
- INDICATES EXISTING CMU WALL.
- INDICATES STEP IN CONTINUOUS FOOTING.

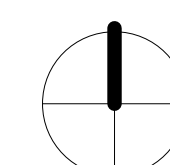
1. SEE SHEETS S-0.1 THROUGH S0-1.2 FOR GENERAL NOTES AND TYPICAL DETAILS.
2. FOR ANY DIMENSIONAL INFORMATION NOT SHOWN, SEE ARCHITECTURAL DRAWINGS.
3. ALL BEAMS SHALL BE EQUALLY SPACED BETWEEN COLUMNS, UNLESS NOTED OTHERWISE.

 : INDICATES TOP OF STEEL ELEVATION.

 : INDICATES SPAN OF METAL DECK. DECK SPAN INDICATED SHALL BE TYPICAL, UNLESS NOTED OTHERWISE. DECK SHALL SPAN OVER 2 SPANS MINIMUM (3 SUPPORTS) AND 3 SPANS (4 SUPPORTS) WHEREVER POSSIBLE. SEE FLOOR AND ROOF CONSTRUCTION SCHEDULE ON DETAIL 1/52-1.1 FOR STRUCTURAL DECK AND FILL REQUIREMENTS.



BLDG. K - STORAGE AND WASH BAY - ROOF FRAMING PLAN	SCALE: 1/8" = 1'-0"	2
--	------------------------	---



BLDG. K - STORAGE AND WASH BAY - FOUNDATION PLAN	SCALE: 1/8" = 1'-0"	1
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DRAWN BY: _____ CHECKED BY: _____

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

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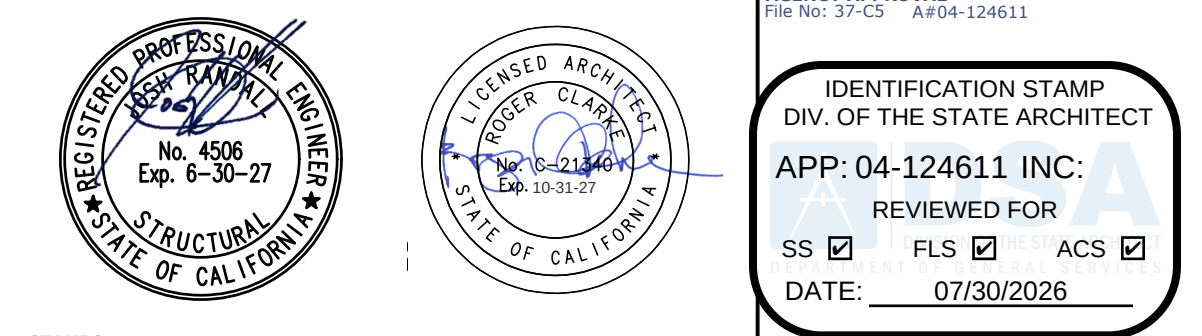
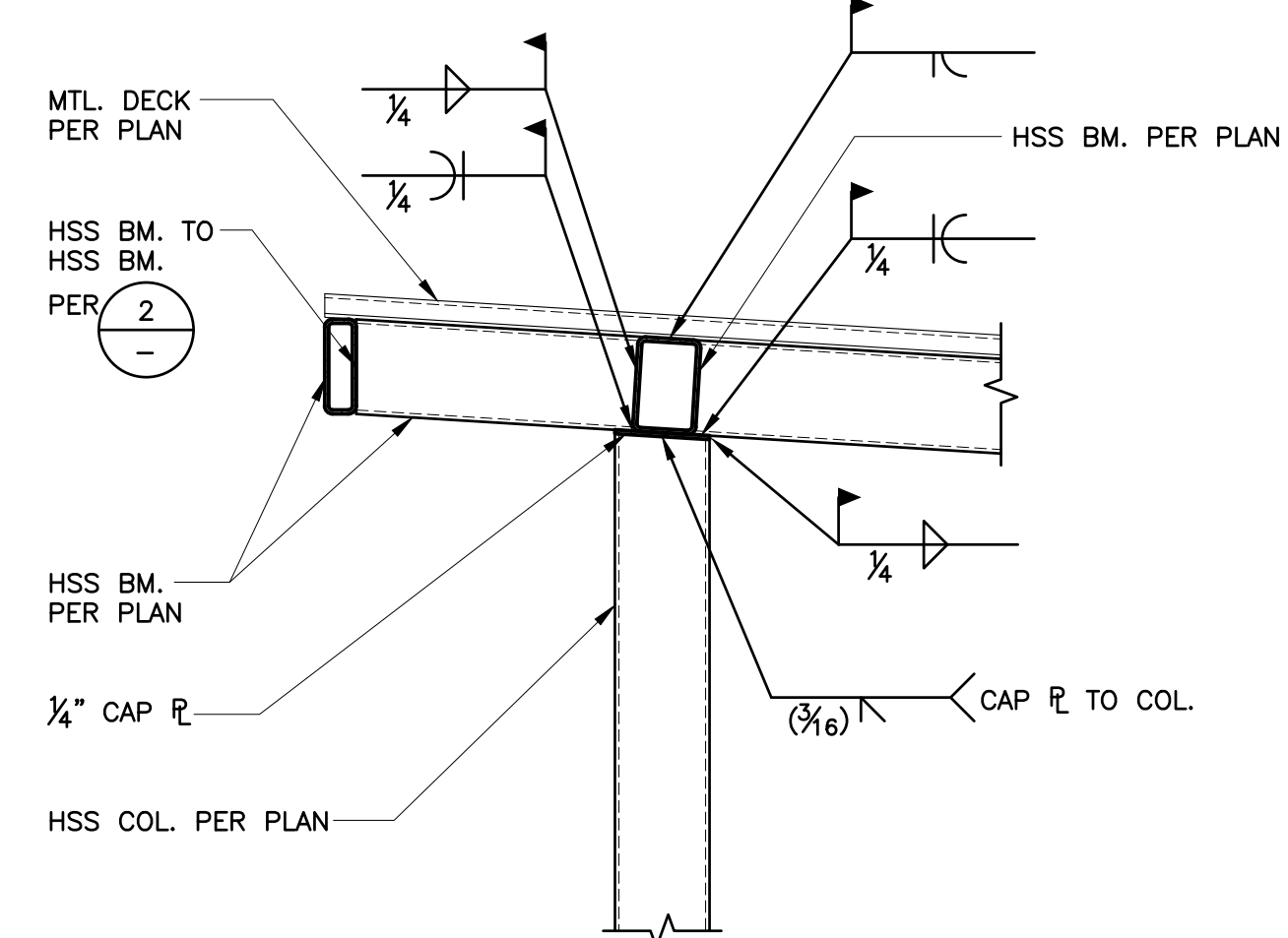
BUILDING K AUTO LIFT REPLACEMENT PROJECT
CUYAMACA COMMUNITY COLLEGE
900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019
GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT

BUILDING K
FOUNDATION PLAN &
ROOF FRAMING PLAN

S1-1.1

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

1-110.01



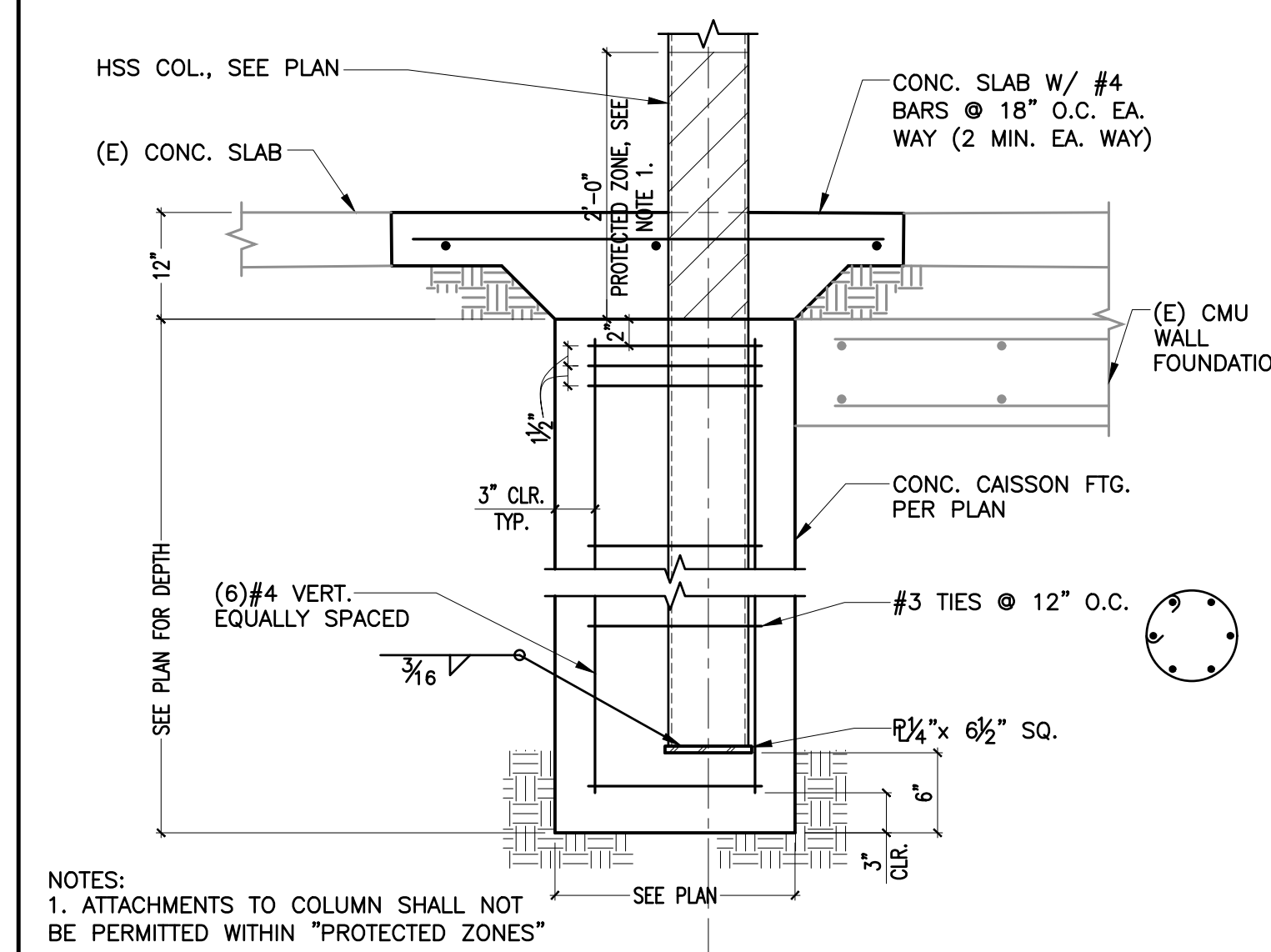
RUHNAU
CLARKE
ARCHITECTS

BKALP-013 SCALE: 1"=1'-0"

DETAIL

SCALE: 1"=1'-0"

5

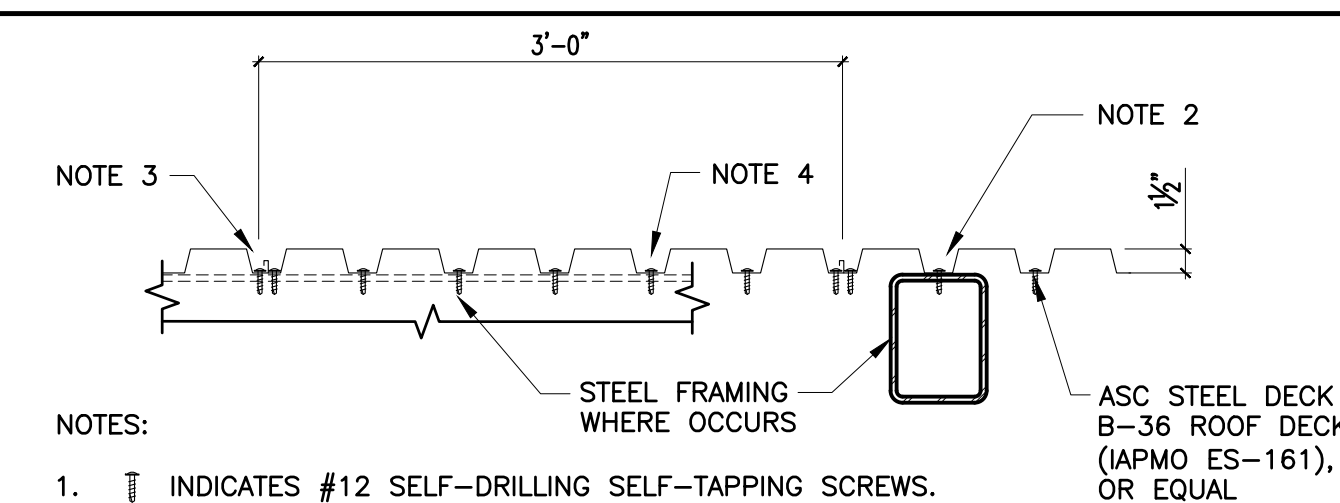


BKALP-011 SCALE: 1"=1'-0"

SCALE: 1"=1'-0"

BKALP-008

SCALE: 1"=1'-0"

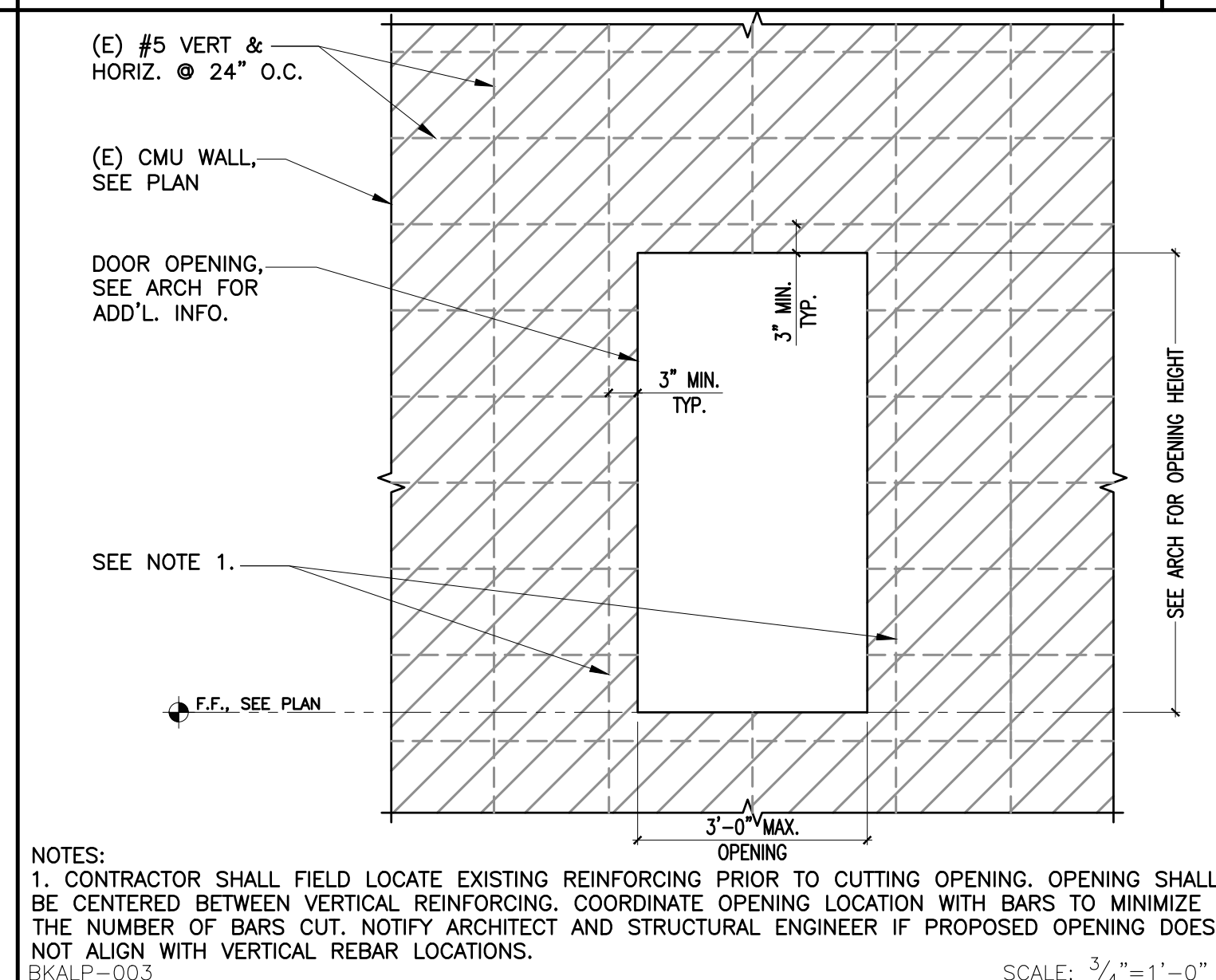


- NOTES:
1. INDICATES #12 SELF-DRILLING SELF-TAPPING SCREWS.
 2. WHERE DECK RISERS ARE PARALLEL TO SUPPORTS USE #12 SELF-DRILLING SELF-TAPPING SCREWS @ 12" O.C.
 3. SEAM ATTACHMENT TO BE A DELTA GRIP SIDE LAP @ 12" O.C.
 4. DECK IS TO BE FASTENED TO SUPPORTS BY #12 SELF-DRILLING SELF-TAPPING SCREWS AS SHOWN.
 5. DECK SHALL BE CONTINUOUS OVER 2 SPANS.
 6. MINIMUM DECK PROPERTIES:
- ASC STEEL DECK
E-36 ROOF DECK
(APMO ES-161),
OR EQUAL

MINIMUM DECK PROPERTIES	
GAUGE	18
I in ⁴	0.302
S+ (in ³)	0.314
S- (in ³)	0.331

BKALP-008

SCALE: 1"=1'-0"



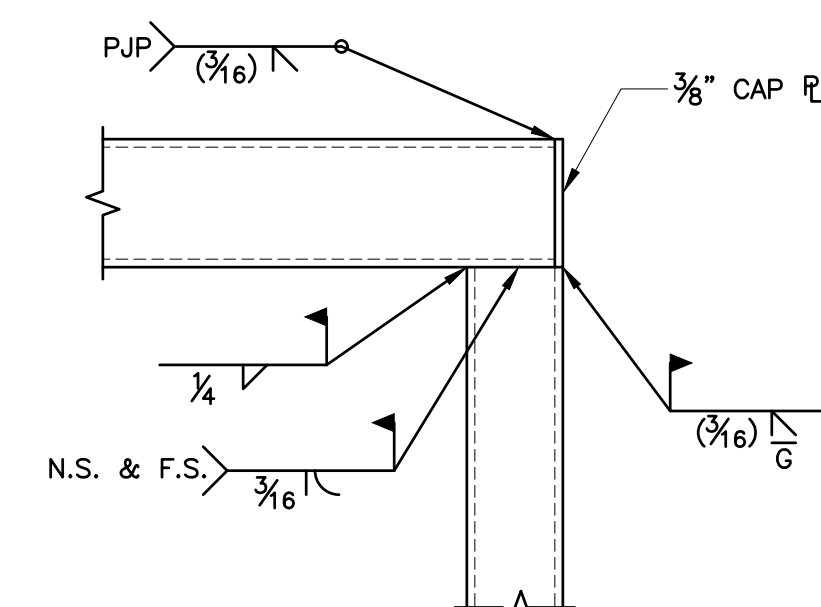
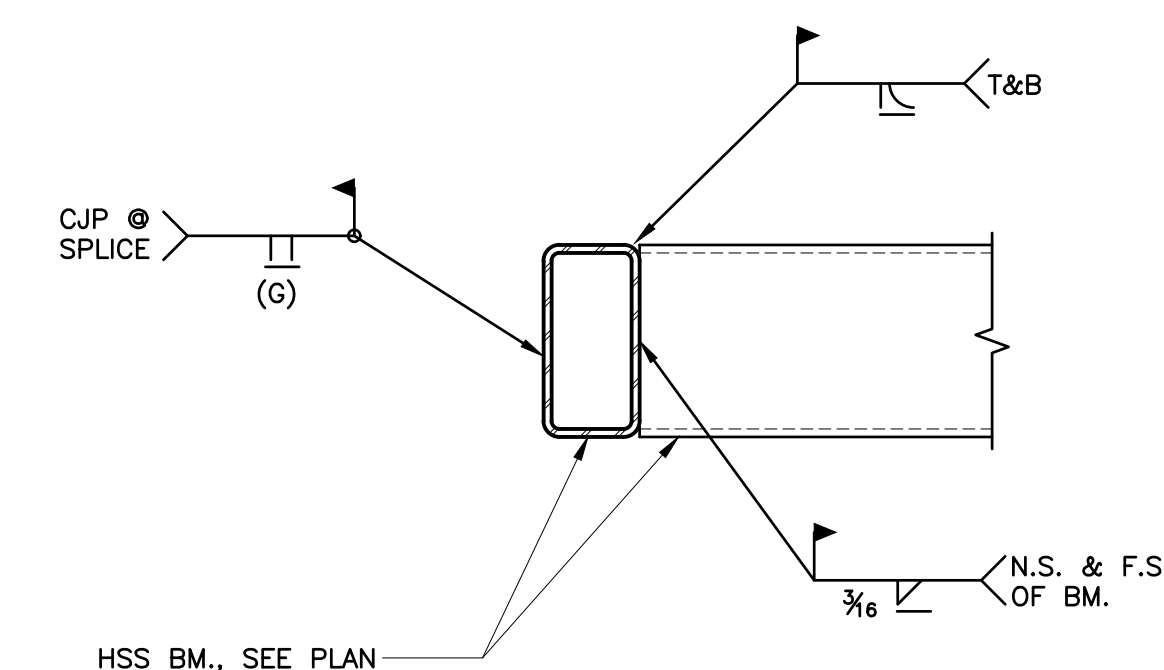
NOT ALIGN WITH VERTICAL REBAR LOCATIONS.
BKALP-003

SCALE: $\frac{3}{4}" = 1'-0"$

SCALE: $\frac{3}{4}" = 1' - 0"$

BKALP-009

SCALE: 1"=1'-0"



BKALP-010

SCALE: 1"=1'-0"

DETAIL

5

PROJECT No. : 1-110-01
05/11/2026 3:13:06 AM

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

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BUILDING K AUTO LIFT REPLACEMENT PROJECT

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

DETAILS

S2-1.1

3	2	1'-0"	0"
---	---	-------	----

AC	AMPERE (AMPS)
AL	ALTERNATING CURRENT
AF	AMPS-FRAME (RATING)
AIG	AMP INTERRUPTING CURRENT
AM	AMMETER
AS	AMP SWITCH (FUSED SWITCH RATING)
AT	AMPS-TRIP (RATING)
AWG	AMERICAN WIRE GAUGE
BC	BAIRE COFFER
BLDG	BUILDING
C	CONDUIT
CB	CIRCUIT BREAKER
CO	CONDUIT ONLY
CT	CURRENT TRANSFORMER
CU	COFFER
CF	CONTRACTOR FURNISHED OWNER INSTALLED
OFCI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
DPST	DOUBLE POLE DOUBLE THROW
DPST	DOUBLE POLE SINGLE THROW
DWG	DRAWING
EX	EXISTING
FLA	FULL LOAD AMPS
FVR	FULL VOLTAGE REVERSING
FVNR	FULL VOLTAGE NON-REVERSING
GF	GROUND FAULT INTERRUPTER
GRD/GND	GROUND
HP	HIGH INTENSITY DISCHARGE
HQA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HP2	HERTZ
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
LRA	LOCKED ROTOR AMPS
LTS	LIGHTING
MCC	MOTOR CONTROL CENTER
MCM (KCM)	THOUSAND CIRCULAR MILS
MECH	MECHANICAL
NC	NORMALLY CLOSED
NF	NON-FUSED
NO	NORMALLY OPEN/NUMBER
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
P	POLE
PH	PHASE
POC	POINT OF CONNECTION
PT	PVC COATED RIGID STEEL (CONDUIT)
PTS	POTENTIAL TRANSFORMER
PVG	POLYVINYL CHLORIDE DUCT
SHED	SHEDBOARD
TYP	TYPICAL
UG	UNDERGROUND
UCN	UNLESS OTHERWISE NOTED
V	VOLT
V	VOLTAMPERES
VM	VOLTMETER
VL	VERIFY LOCATION
VN	WIRE/TRAITS
WP	WEATHERPROOF (NEMA TYPE 3R)
WT	WATERIGHT
XP	EXPLOSION PROOF (RATED FOR AREA HAZARD)

	LIGHTING FIXTURE DESIGNATION
	LIGHTING FIXTURE, CEILING OR WALL MOUNTED AS SHOWN.
	LIGHT FIXTURE
	LIGHTING FIXTURE ON EMERGENCY CIRCUIT (LIGHTING INVERTER OR BATTERY PACK).
	EXIT SIGN WITH DIRECTION ARROWS AS INDICATED. SHADED QUADRANT INDICATES FACE.
	STRIP LIGHT
	SINGLE POLE SWITCH, SUBSCRIPT WHEN SHOWN INDICATES FIXTURES CONTROLLED *48" A.F.F. (U.O.N.) HEIGHT PER DETAILS #1/E10.
	CEILING MOUNTED OCCUPANCY SENSOR LIGHTING CONTROL. SEE E2.2
	DIGITAL LIGHTING CONTROL TYPICAL ROOM REQUIREMENTS. SEE E2.2

	DRAW OUT TYPE EQUIPMENT
	VACUUM CIRCUIT BREAKER, RATING AS NOTED
	AIR INTERRUPTER SWITCH AND FUSE
	AIR INTERRUPTER
	FUSE
	POWER TRANSFORMER, RATING AS NOTED
	POWER CIRCUIT BREAKER DRAWOUT
	AUTOMATIC TRANSFER SWITCH. SEE SCHEDULE
	AMMETER
	VOLTMETER
	CIRCUIT BREAKER
	200AMP FRAME
	200AMP TRIP
	3 POLE
	10,000 AMPS INTERRUPTING CURRENT
	FUSED SWITCH
	200AMP FRAME
	200AMP TRIP
	3 POLE
	UTILITY COMPANY METER

 DUPLEX RECEPTACLE, FLOOR MOUNTED

 DUPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)

 HORIZ
RECEPTACLE, WALL MOUNTED HORIZONTALLY, +18" A.F.F. (U.O.N.)

 FOURPLEX RECEPTACLE, WALL MOUNTED, +18" A.F.F. (U.O.N.)

 RECEPTACLE MOUNTED 46" ABOVE COUNTER BACKSPLASH
SEE ARCHITECTURAL PLANS FOR REQUIRED MOUNTING HEIGHT
PRIOR TO ROUGH-IN.

 DUPLEX GROUND FAULT INTERRUPTING RECEPTACLE +18" A.F.F. (U.O.N.)

 JUNCTION BOX, FLOOR MOUNTED

 JUNCTION BOX, CEILING OR WALL MOUNTED

 HAND DRYER CONNECTION, SEE ARCHITECTURAL FOR MOUNTING HEIGHT.

 FUSED DISCONNECT SWITCH, WHERE SHOWN NF = NON-FUSED.

 MANUAL MOTOR STARTER +48" A.F.F. OR ON EQUIPMENT (U.O.N.)

 MOTOR CONNECTION, NUMERAL INDICATES HORSEPOWER.

 MECHANICAL EQUIPMENT TAG (SEE MECHANICAL DRAWINGS FOR DESCRIPTION).

 CONDUIT AND WIRE, CONCEALED IN GALLERIE OR WALL

 CONDUIT AND WIRE, CONCEALED IN OR UNDER FINISHED FLOOR
OR UNDER FINISHED GRADE.

 FLEXIBLE CONDUIT CONNECTION

 BRANCH CIRCUIT HOMERUN TO PANEL. SLASHES INDICATE NUMBER OF
CONDUCTORS, EQUIPMENT GROUND WIRE NOT INDICATED U.O.N.
#12 CONDUCTORS ARE MINIMUM, NO HASH MARKS = MIN (2) #12

 3/4" CONDUIT STUBBED FROM DEVICE TO ABOVE ACCESSIBLE
CEILING

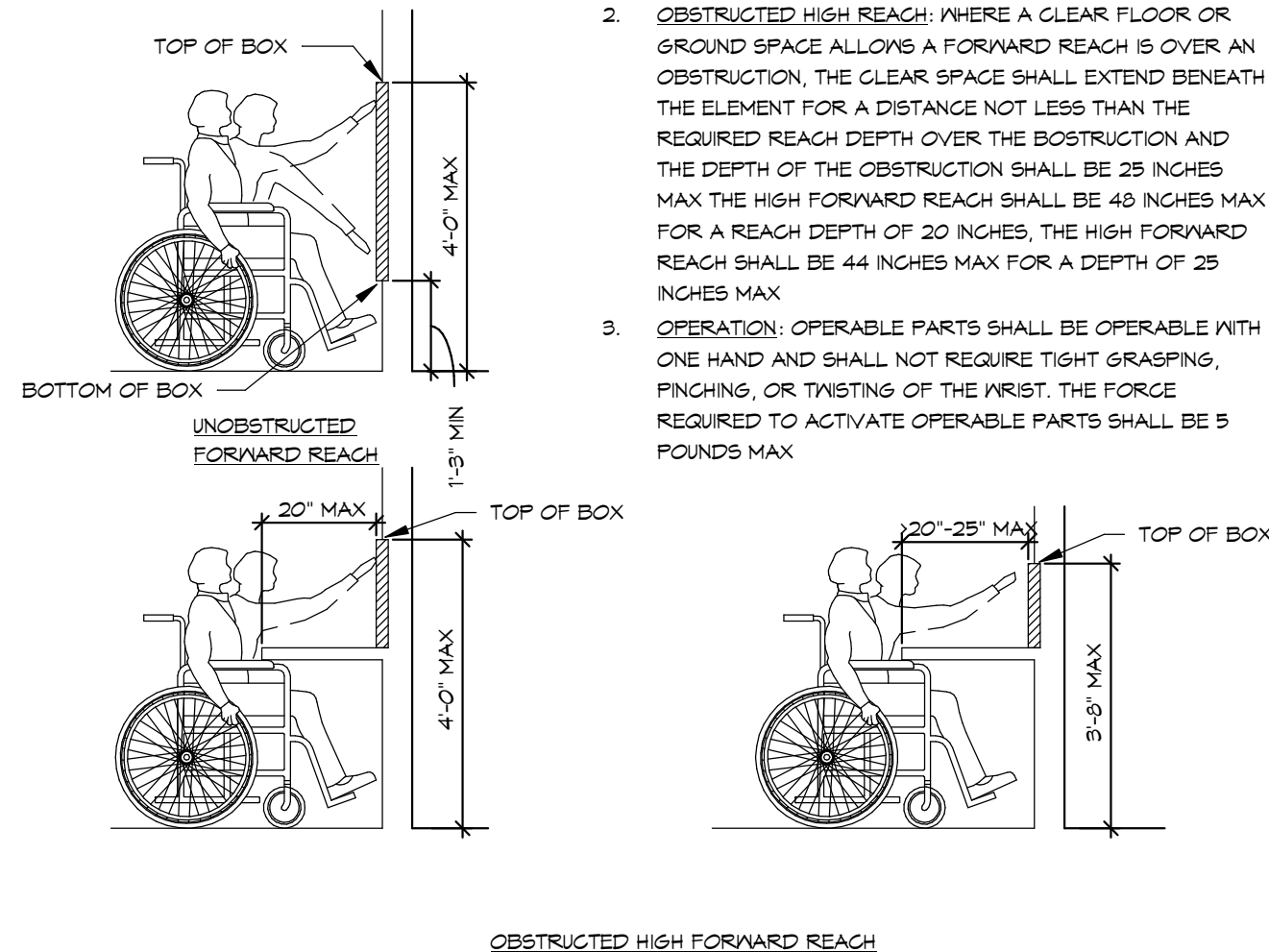
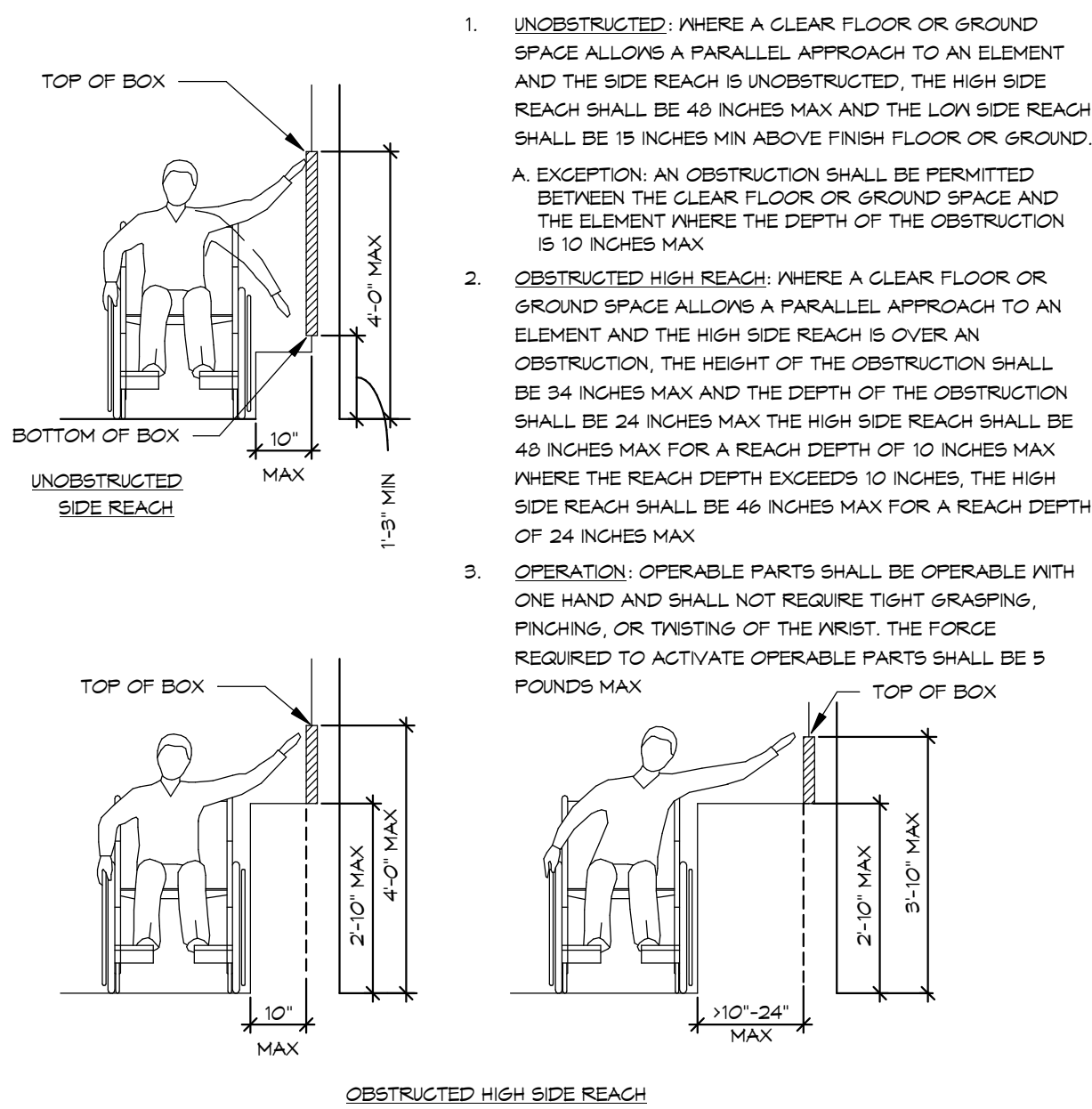
 BRANCH CIRCUIT HOMERUN, NUMBER INDICATES INCREASED
CONDUCTOR SIZE, CONDUCTORS SHALL REMAIN AS INDICATED
FOR SIZE THROUGHOUT THE ENTIRE CIRCUIT.

 PANELBOARD, SURFACE MOUNTED.

 PANELBOARD, RECESSED

 STEP-DOWN TRANSFORMER

 DISTRIBUTION SWITCHBOARD



NO SCALE



1. UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
2. UNLESS WHERE OTHERWISE NOTED, ALL DIMENSIONS ARE TO BE CENTERLINE OF THE DEVICE.
3. "GENERAL NOTES" SHOWN ON AN INDIVIDUAL DRAWING APPLY TO ALL WORK SHOWN ON THAT SHEET. "GENERAL NOTES" ON SPECIFIC SHEETS WERE INITIATED AT SPECIFIC LOCATIONS. SOME KEY NOTES MAY NOT APPLY TO ANY SPECIFIC ITEMS.
4. UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

1. ALL ELECTRICAL EQUIPMENT, EXPOSED RACEWAY AND CONDUIT, OUTLET BOXES AND RINGS, AND DEVICES ARE TO BE REMOVED, EXCEPT WHERE SHOWN TO REMAIN. EXISTING WIRING, WHETHER EXPOSED, IN CONDUIT OR RACEWAY IS TO BE REMOVED TO THE GREATEST EXTENT POSSIBLE.

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2025 CBC SECTIONS 1611A.1.18 THROUGH 1611A.1.26 AND ASCE 7 CHAPTERS 13, 26, AND 30:

1. ALL PERMANENT EQUIPMENT AND COMPONENTS.
2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G., HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER, "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE NOR BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:

A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.

B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7 SECTION 13.3 AS DEFINED IN ASCE 7 SECTIONS 13.6.5, 13.6.6, 13.6.7, AND 13.6.8; AND 2025 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEMS ARE AS NOTED BELOW. THE MEP DESIGN PROFESSIONAL ENGINEER RESPONSIBLE FOR CONTENT ON THESE SHEETS HAS VERIFIED THAT THE DESIGN METHODS IDENTIFIED BELOW ARE IN ACCORDANCE WITH DSA IR 16-13.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP),
ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP ☐ MD ☐ PP ☐ E ☒ - OPTION 1: PROJECT-SPECIFIC DESIGN.

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: DESIGN BASED ON OSHPD OPM, WITHIN PROJECT SUBMITTAL

MP ☐ MD ☐ PP ☐ E ☐ - OPTION 3: DESIGN BASED ON OSHPD OFM, DEFERRED SUBMITTAL

1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DESCRIPTION AND
DETAIL OF ALL FIRE RATED ASSEMBLIES.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION
NRC-ELC-E
This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)(2) for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2(b)(4)(a).

Project Name: CUYAMACA COLLEGE BLDG K AUTO LIFTS
Report Page: (Page 1 of 4)
Project Address: 2025-06-20T13:42:01-04:00

A. GENERAL INFORMATION

01	Project Location (city)	EL CAJON	02	Climate Zone	10
Occupancy Types Within Project:			School or Classroom		

B. PROJECT SCOPE
This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/Description	Scope of Work ¹	Rating ² (kVA)	Utility Provided Metering System Exception to 130.5(a)/160.6(a) ²	System subject to CA Elec Code Article 5-7 Exception to 130.5(a)(2)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
'p'	Add/Add to feeders and branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 130.2/160.3, 130.1/160.5, and 130.3/160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.
¹ If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.
² Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

Generated Date/Time: _____ Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000 Compliance ID: 305733-0625-0002
Schema Version: rev 20220101 Report Generated: 2025-06-20 10:42:04

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION
NRC-ELC-E
Project Name: CUYAMACA COLLEGE BLDG K AUTO LIFTS
Report Page: (Page 2 of 4)
Date Prepared: 2025-06-20T13:42:01-04:00

C. COMPLIANCE RESULTS
Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D, Exceptional Conditions for guidance or see applicable Table referenced below.

01	02	03	04	05	06				
Service Electrical Metering 130.5(a)/160.6(a) (See Table F)	AND	Separation for Monitoring 130.5(b)/160.6(b) (See Table G)	AND	Voltage Drop 130.5(c)/160.6(c) (See Table H)	AND	Controlled Receptacles 130.5(d)/160.6(d) (See Table I)	AND	Electric Ready 160.9 (See Table J)	Compliance Results
									COMPLIES

D. EXCEPTIONAL CONDITIONS
This table is auto-filled with undratable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

H. VOLTAGE DROP
This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)(2)(iii)/180.2(b)(4)(b)(iii).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
'p'	☒ Voltage drop less than 5%	☐ Permitted by CA Elec Code (Exception to 130.5(c)) ¹	Contractor Responsible	☐ Pass ☐ Fail

¹ NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.
² FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if followed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

Generated Date/Time: _____ Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Report Version: 2022.0.000 Compliance ID: 305733-0625-0002
Schema Version: rev 20220101 Report Generated: 2025-06-20 10:42:04

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION
NRC-ELC-E
Project Name: CUYAMACA COLLEGE BLDG K AUTO LIFTS
Report Page: (Page 3 of 4)
Date Prepared: 2025-06-20T13:42:01-04:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online.

Form/Title

NRC-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
There are no NRC-A forms required for this project.

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: MONICA HANSEN
Signature: _____
Company: JOHNSON CONSULTING ENGINEERS
Address: 12875 BROOKPRINTER PL, SUITE 300
City/State/Zip: POWAY, CA 92064
Phone: 858-679-4030

RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 1.4 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: MONICA HANSEN
Signature: _____
Company: JOHNSON CONSULTING ENGINEERS
Address: 12875 BROOKPRINTER PL, SUITE 300
City/State/Zip: POWAY, CA 92064
Phone: 858-679-4030

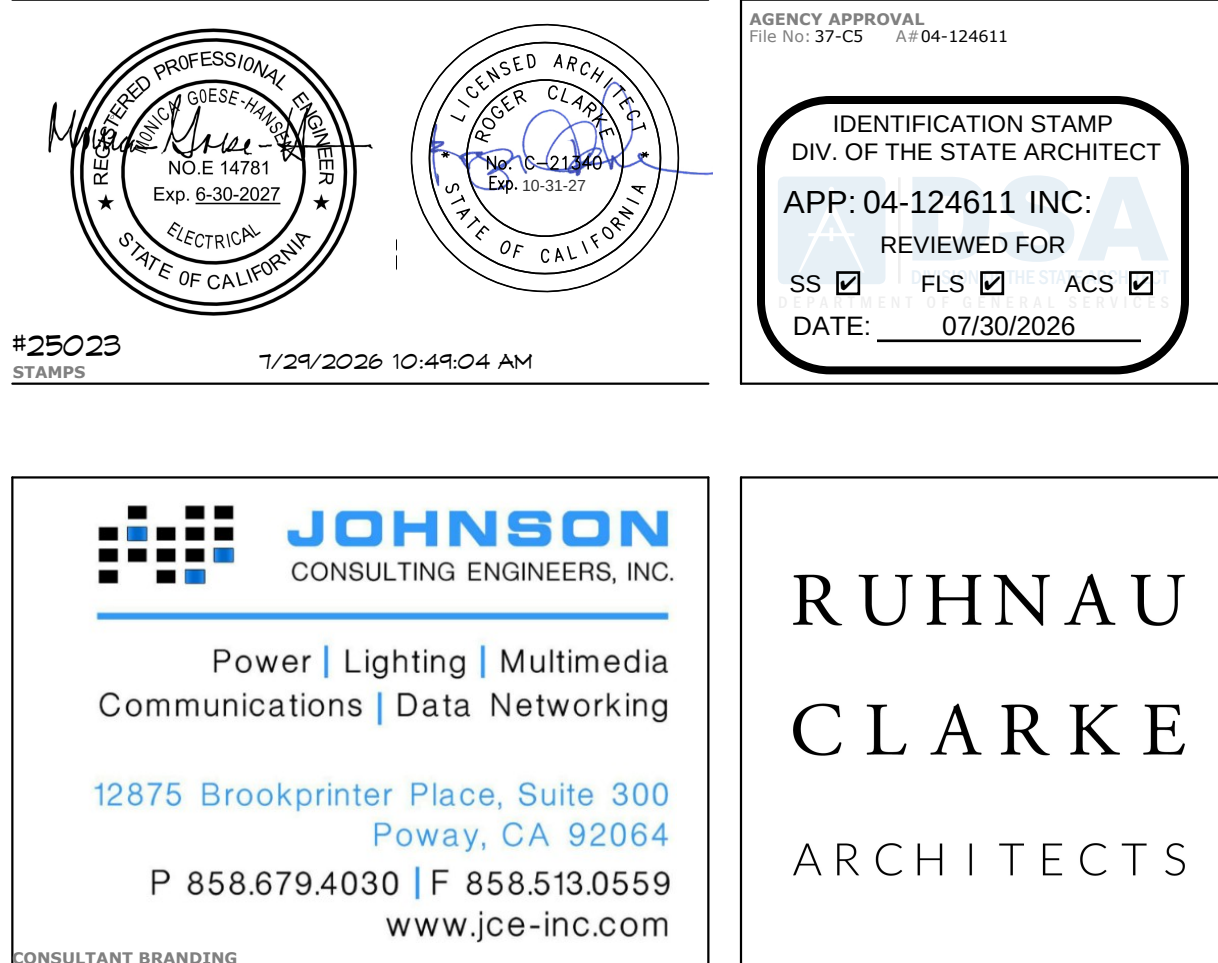
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AGENCY APPROVAL
DIV. OF THE STATE ARCHITECT
APP: 04-124611 INC:
REVIEWED FOR:
SS ☒ FLS ☒ ACS ☒
DATE: 07/30/2026

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7/29/2026 10:48:59 AM

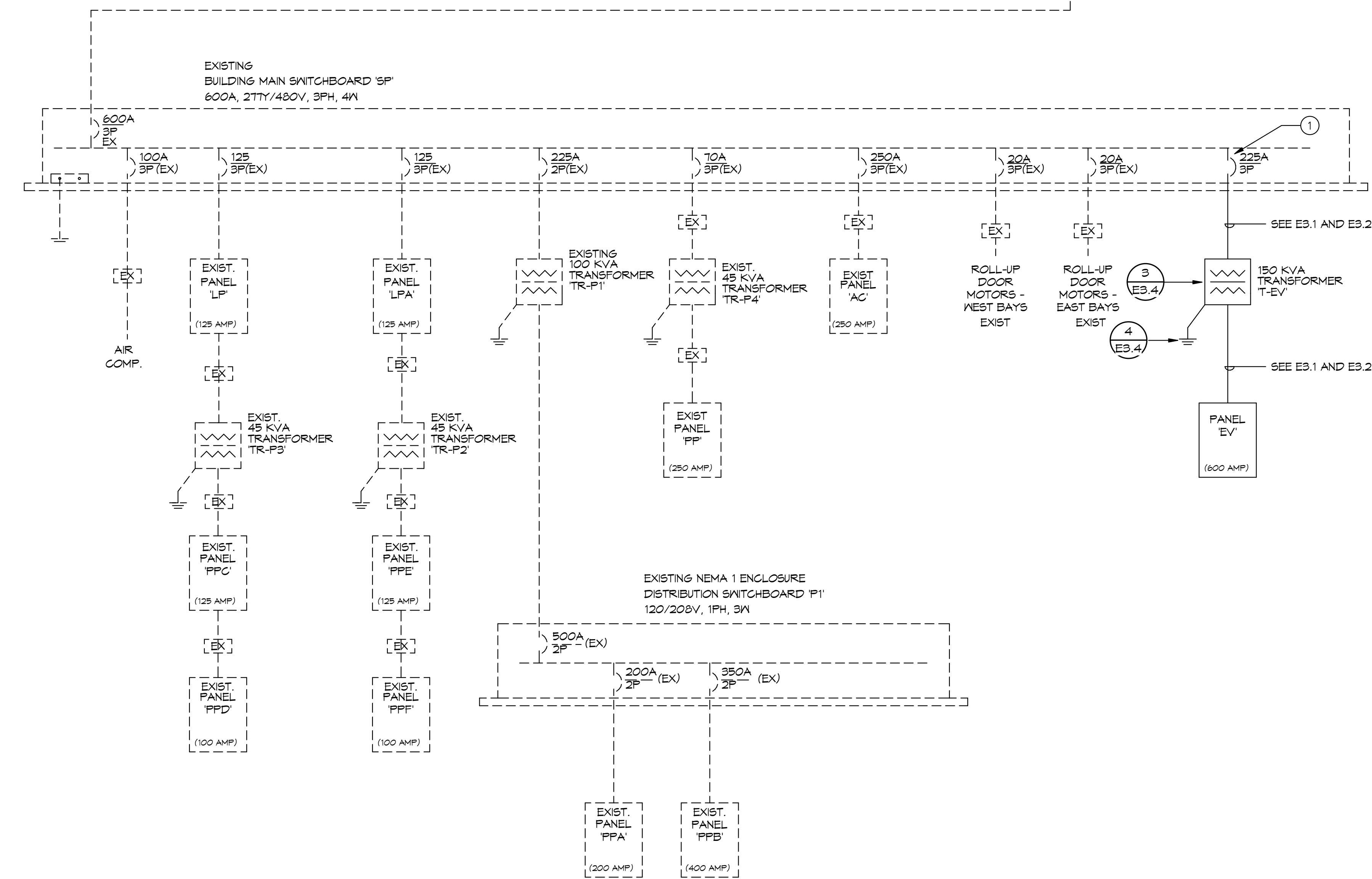
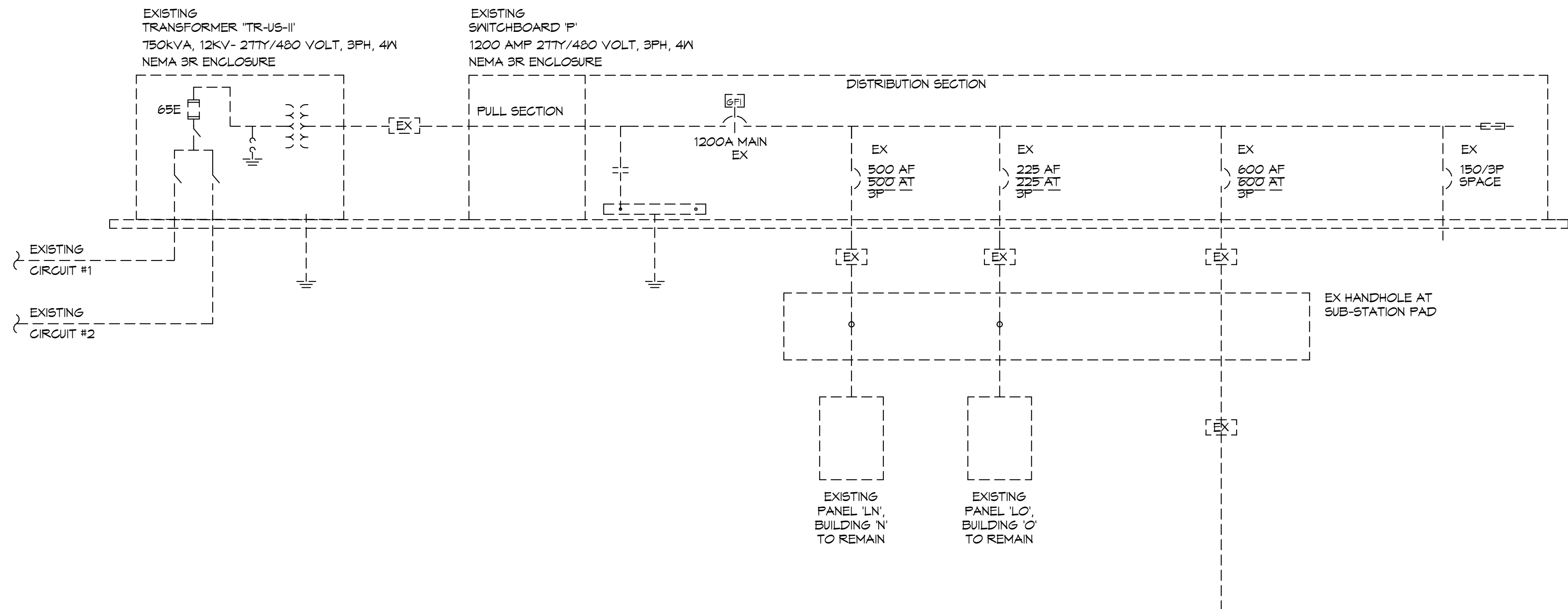
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CONSULTING ENGINEERS, INC.
Power | Lighting | Multimedia
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12875 Brookprinter Place, Suite 300
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- KEY NOTES:**
- (1) EXISTING 1/2" C. TO REMAIN. EXISTING CONDUCTORS SHALL BE REMOVED. PROVIDE 4 #10, 1 #10 GND. RECONNECT TO EXISTING 30A/2P BREAKERS AT PANEL PFF#.
 - (2) EXISTING 1/2" C. TO REMAIN. EXISTING CONDUCTORS SHALL BE REMOVED. PROVIDE 2 #10, 1 #10 GND. EXTEND CONDUIT AND CONDUCTORS TO NEW LIFTS POINT OF POWER CONNECTION.
 - (3) 3/4" C. 2 #10, 1 #10 GND.
 - (4) 3/4" C. 4 #10, 2 #10 GND.
 - (5) 30A/2P DISCONNECT WITH (2) 25A FUSES.
 - (6) EXISTING DISCONNECT AND LOAD SIDE CONDUIT AND WIRING SHALL BE REMOVED.
 - (7) EXISTING DISCONNECT TO REMAIN. EXISTING FUSES SHALL BE REPLACED WITH (2) NEW 25A FUSES.
 - (8) 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 PFF#.
 - (9) EXISTING DISCONNECT TO REMAIN. EXISTING WIRING SHALL BE REMOVED BACK TO SOURCE.
 - (10) EXISTING CONDUIT AND WIRING TO BE REMOVED.
 - (11) EXISTING CONDUIT TO REMAIN. EXISTING WIRING SHALL BE REMOVED.
 - (12) 1" C. 3 #6, 1 #6 GND.
 - (13) 1" C. 4 #6, 1 #6 GND.
 - (14) 3/4" C. 6 #10, 1 #10 GND.
 - (15) 30A/2P DISCONNECT WITH (2) 30A FUSES.
 - (16) FIELD VERIFY EXISTING 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.
 - (17) EXISTING UNISTRUT SUPPORT SHALL BE REMOVED AND RE-INSTALLED. INSTALL NEW DISCONNECT ON EXISTING UNISTRUT.
 - (18) 3/4" C. 4 #8, 1 #8 GND. (PFF#-23,25)
 - (19) 3/4" C. 4 #8, 1 #8 GND. (PFF#-24,26)
 - (20) 60A/2P DISCONNECT WITH 40A FUSES.
 - (21) REPLACE EXISTING 30A/2P BREAKER AT CIRCUIT 23,25 AND 24,26. WITH 40A/2P BREAKERS.
 - (22) DOOR CONTACTS FOR ROLL-UP GARAGE DOORS OR SECURITY SHUTTERS SHALL BE SURFACE MOUNTED HEAVY-DUTY TYPE BY HONEYWELL, MODEL #4458N.
 - (23) 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.
 - (24) 3/4" C. WITH SECURITY SYSTEM CABLE TO BUILDING SECURITY PANEL AS REQUIRED.
 - (25) REPLACE EXISTING WALL MOUNTED RAB LIGHTING WASHDOWN LIGHTS WITH NEW RAB LIGHTING LED WASHDOWN FIXTURES. RAB LIGHTING #5EAL4, 4000K CCT, UNIVERSAL VOLTAGE, MICROWAVE OCCUPANCY SENSOR, PRESET TO 40M. CUTBACK EXISTING CONDUITS AND EXTEND CONDUITS AND CONDUCTORS TO NEW FIXTURE AT EACH NEW FIXTURE LOCATION AS REQUIRED.
 - (26) FIELD VERIFY EXACT POINT OF POWER CONNECTION AND EXTEND CONDUIT AND CONDUCTORS AS REQUIRED.
 - (27) 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.
 - (28) SECURITY DOOR CONTACT.
 - (29) SECURITY CEILING MOTION SENSOR.
 - (30) SECURITY KEYPAD.

E3.2



ONE-LINE DIAGRAM
NO SCALE

GENERAL NOTES:

- A FAULT CURRENT AND TIME CURRENT STUDY MUST BE PROVIDED AS DESCRIBED IN THE SPECIFICATIONS PRIOR TO FINAL APPROVAL OF THE POWER EQUIPMENT.
- UNLESS WHERE OTHERWISE NOTED, ALL WORK INDICATED ON THESE DRAWINGS SHALL BE CONSIDERED NEW WORK.
- ALL ELECTRICAL GEAR AND EQUIPMENT SHOWN ON ONE-LINE DIAGRAM SHALL BE NEMA 3R UNLESS OTHERWISE NOTED.

KEY NOTES:

- PROVIDE (1) 225A/3P BREAKER IN EXISTING SPACE.

600V FEEDER SCHEDULE GENERAL NOTES:

- ALL CONDUCTOR SHALL BE PROVIDED WITH TYPE THHN-2 INSULATION. REFERENCE SPECIFICATION SECTION 26 05 19 FOR ADDITIONAL REQUIREMENTS.
- PROVIDE 60 DEGREE COPPER/ALUMINUM RATED TERMINATION FOR ALL FEEDERS SIZED WITH #2 OR SMALLER CONDUCTORS. PROVIDE 75 DEGREE COPPER/ALUMINUM RATED TERMINATIONS FOR ALL FEEDERS SIZED WITH #1 OR LARGER CONDUCTORS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ORDERING LUG CONFIGURATION AND ALL EQUIPMENT, BREAKER OR DISCONNECTS TO MATCH FEEDER CONFIGURATIONS INDICATED.
- WHERE MULTIPLE CONDUIT QUANTITIES ARE INDICATED, CONDUCTOR QUANTITIES AND SIZES SHOWN IN SCHEDULE SHALL BE PROVIDED IN EACH CONDUIT.

PROFESSIONAL SEAL
ELECTRICAL
STATE OF CALIFORNIA
No. 14711
Exp. 6-30-2027

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PROFESSIONAL SEAL
REGISTERED ARCHITECT
STATE OF CALIFORNIA
No. 14711
Exp. 6-30-2027

1/29/2026 10:49:05 AM

AGENCY APPROVAL
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120/208 3PH, 4WIRE		600 AMP		Main	Breaker	X	ENCLOSURE TYPE		ENCLOSURE NOTE					
200% Neutral Bus (INTEGRAL)TVSS Protection (REMOTE)TVSS Protection Service Entrance Rated Load Side Feed thru Lugs				Enclosure	Lug Recessed Surface	X	NEMA TYPE 1 NEMA TYPE 3R NEMA TYPE 4X							
GENERAL DISTRIBUTION BREAKER REQUIREMENTS :		PROVIDE LOCK ON BREAKER DEVICES FOR ALL EMERGENCY LIGHTING, WATER HEATERS MOTORS, AND FIRE ALARM EQUIPMENT SERVED FROM THIS PANEL												
LCL	NHL	CIRCUIT DESCRIPTION	AMP	POLE	NO	PHASE A	PHASE B	PHASE C	NO	AMP	POLE	CIRCUIT DESCRIPTION	LCL	NHL
X		EV CHARGER #1 - PORT 1	100	2	1	8320				2	30	2	LIFT	X
X		"			3	1800				4		"		X
X		EV CHARGER #1 - PORT 2	100	2	5		8320			6	30	2	LIFT	X
X		"			7	1800				8		"		X
X		EV CHARGER #2 - PORT 1	100	2	9	8320				10	30	2	LIFT	X
X		"			11	1800				12		"		X
X		EV CHARGER #2 - PORT 2	100	2	13	8320				14	30	2	LIFT	X
X		"			15	1800				16		"		X
X		EV CHARGER #3 - PORT 1	100	2	17		8320			18	30	2	LIFT	X
X		"			19	1800				20		"		X
X		EV CHARGER #3 - PORT 2	100	2	21	8320				22	20	1	ROLL UP DOOR	
X		"			23	1200				24	20	1	ROLL UP DOOR	
		SPARE	20	1	25	1200				26	20	1	ROLL UP DOOR	
		SPARE	20	1	27		1200			28	20	1	ROLL UP DOOR	
		SPARE	20	1	29			1200		30	20	1	ROLL UP DOOR	
		SPARE	20	1	31					32	20	1	SPARE	
		SPARE	20	1	33					34	20	1	SPARE	
		SPARE	20	1	35					36	20	1	SPARE	
		SPARE	20	1	37					38	20	1	SPARE	
		SPARE	20	1	39					40	20	1	SPARE	
		SPARE	20	1	41					42	20	1	SPARE	
		SPARE	20	1	43					44	20	1	SPARE	
		SPARE	20	1	45					46	20	1	SPARE	
		SPARE	20	1	47					48	20	1	SPARE	
		SPARE	20	1	49					50	20	1	SPARE	
		SPARE	20	1	51					52	20	1	SPARE	
		SPARE	20	1	53					54	20	1	SPARE	
XX		NOTE #1									NOTE #2			
NOTE														
NHL= Non Harmonic Load LCL= Long Continuous Load		TOTAL LOAD PER PHASE 25% LONG CONTINUOUS LOADS				41680	41080	41080	HIGH PHASE ALL PHASES		50000 148800	VA @ 120V VA @ 208V/3PH	416.7 AMPS 413.3 AMPS	
Max. Neut. Load 505 AMPS		SUB PANEL SUB PANEL TOTAL CONNECTED LOAD							DEMAND PER CEC 220-86				AMPS	

M:\Panel Schedule\2025\25023 Cuyamaca College BLDG K Auto Lifts\EV - 3PH - Panel 54 circuits.xls

2:23 PM/22/2026

PROJECT No. :1-110-01
7/29/2026 10:49:05 AM

DRAWN BY: _____ CHECKED BY: _____
DATE: _____ DATE: _____
ADD: _____ ADD: _____
REV: _____ REV: _____
DATE: _____ DATE: _____
ADD: _____ ADD: _____
REV: _____ REV: _____

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3775 TENTH STREET, RIVERSIDE CALIFORNIA 92501 (951) 684-4664 / 5751 PALMER WAY, SUITE C, CARLSBAD CALIFORNIA 92009 (760) 438-5899 / 801 16TH STREET SACRAMENTO, CA 95814 (916) 379-8111

BUILDING K AUTO LIFT PROJECT

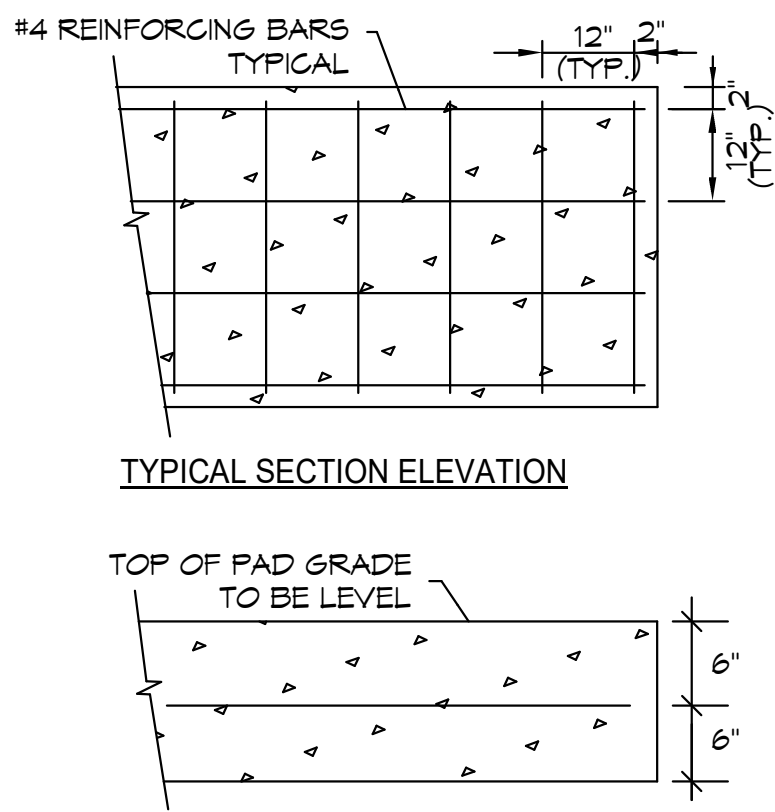
CUYAMACA COMMUNITY COLLEGE
900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019
GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT

ONE LINE DIAGRAM &
PANEL SCHEDULE

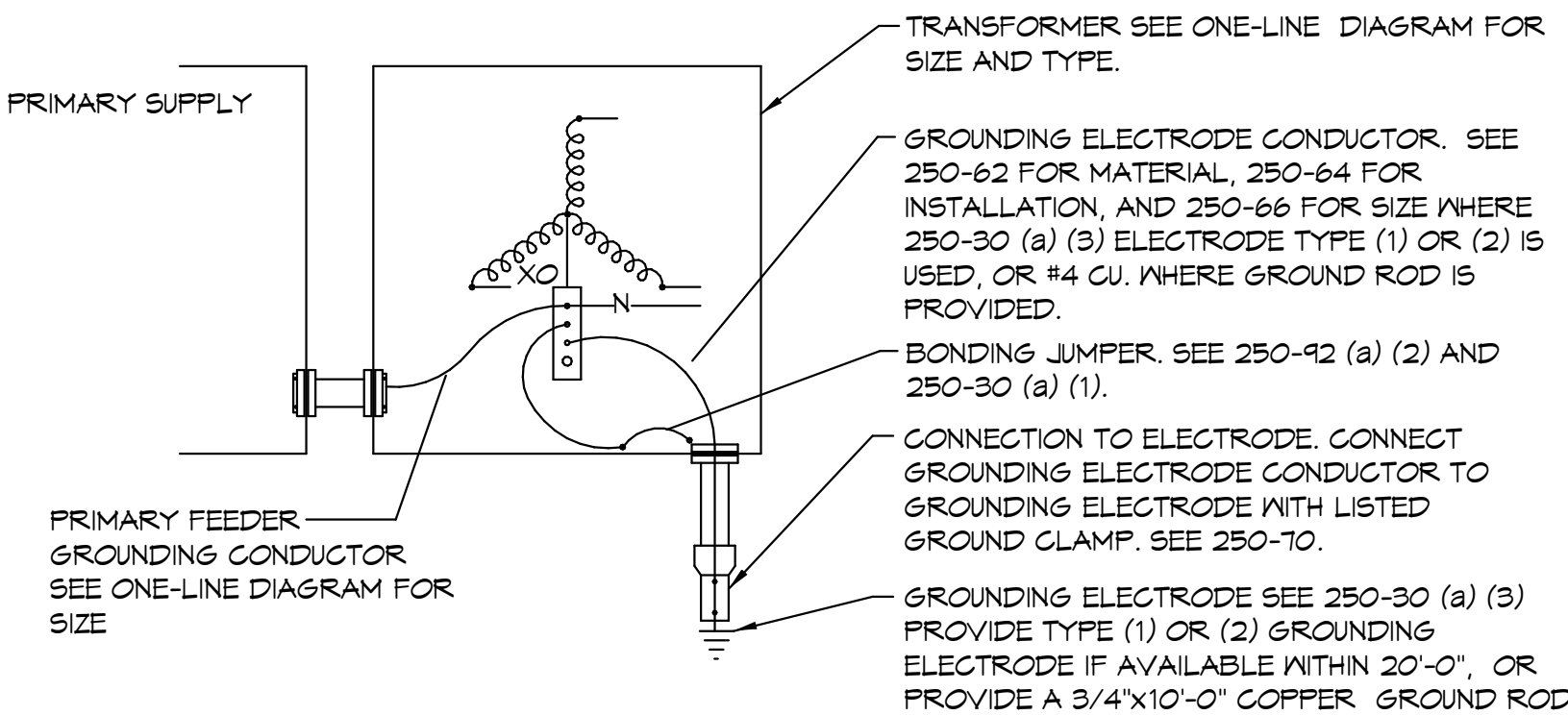
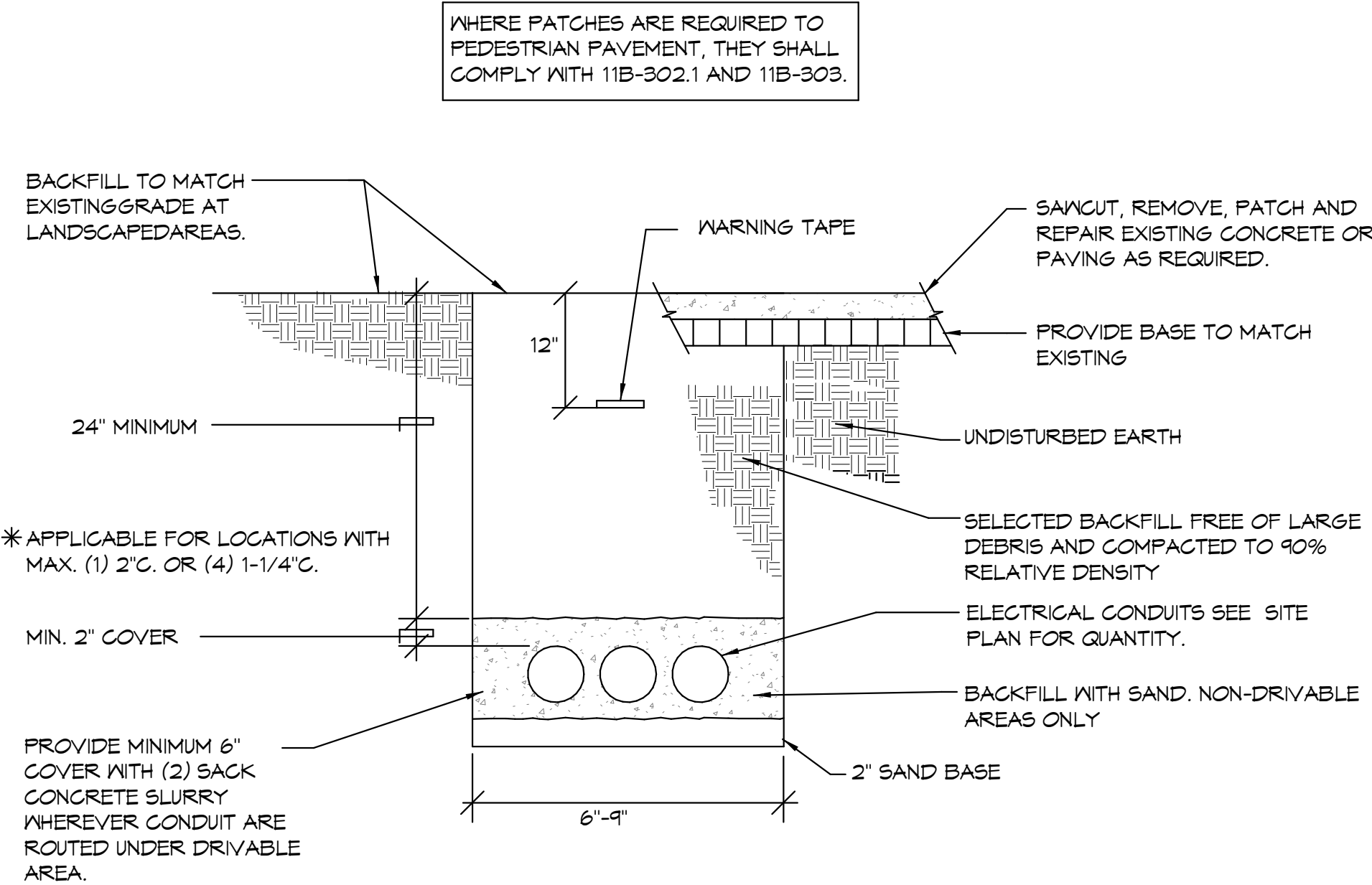
E3.3

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

1-110-01



- GENERAL NOTES
- ALL CONCRETE SHALL ATTAIN A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS. AS PER 1905A METHOD 'A' AND TABLE 19A-A-5. BATCH PLANT INSPECTIONS AND TESTS OF CEMENT AND REINFORCING BARS MAY BE WAIVED PER TITLE 24 SECTION 1704A.4.3 & 1704A.4.4.
 - CONCRETE MIX DESIGNS SHALL COMPLY WITH TITLE 24 SECTION 1905A.2.
 - PORTLAND CEMENT SHALL CONFORM TO (ASTM C-150) TYPE I OR II
 - CONCRETE AGGREGATES SHALL CONFORM TO ASTM C-33
 - CONCRETE PLACEMENT SHALL CONFORM TO TITLE 24 SECTION 1905A.7.
 - ALL REINFORCING BARS SHALL CONFORM TO TITLE 24 SECTION 1903A AND ASTM A-615 GRADE 60.



TYPICAL HOUSEKEEPING PAD DETAIL
NO SCALE

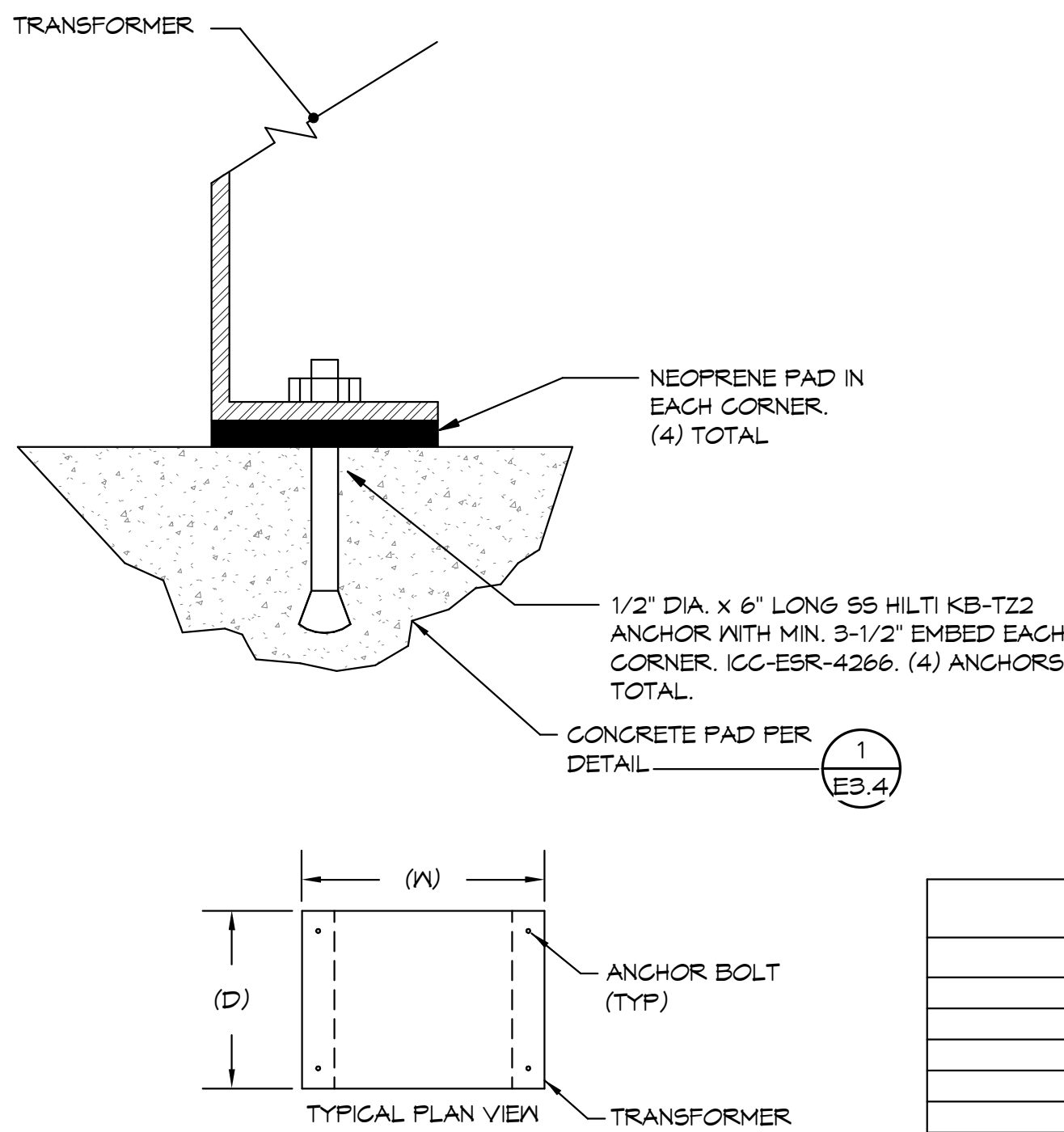
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E3.4

TYPICAL TRENCH DETAIL#2
NO SCALE

2
E3.4

THREE PHASE TRANSFORMER GROUNDING
NO SCALE

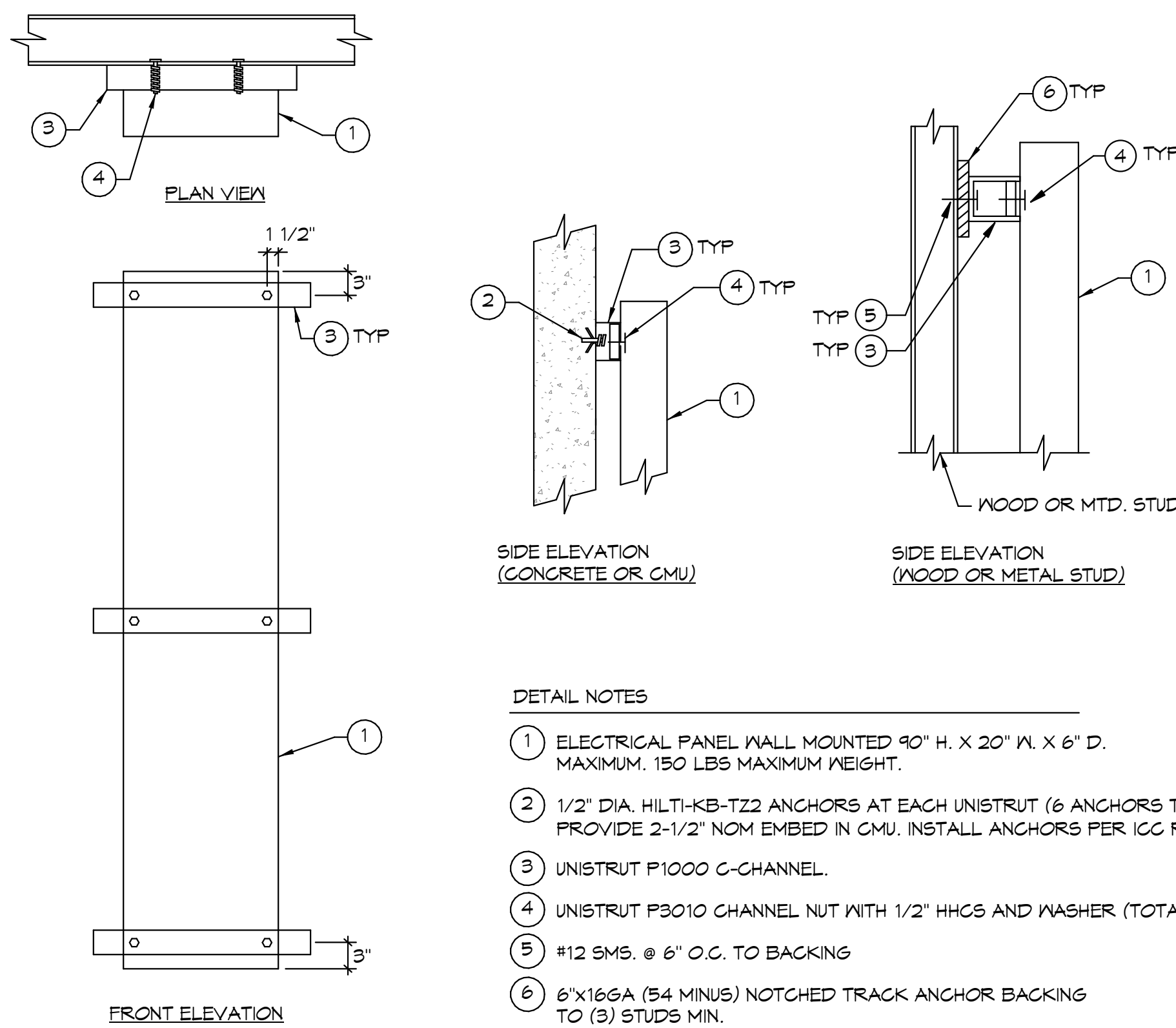
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E3.4



TRANSFORMER SIZING				
WIDTH (W)	DEPTH (D)	HEIGHT	WEIGHT	
150 KVA	38"	30"	56"	1045 LBS.

TRANSFORMER ANCHORAGE DETAIL
NO SCALE

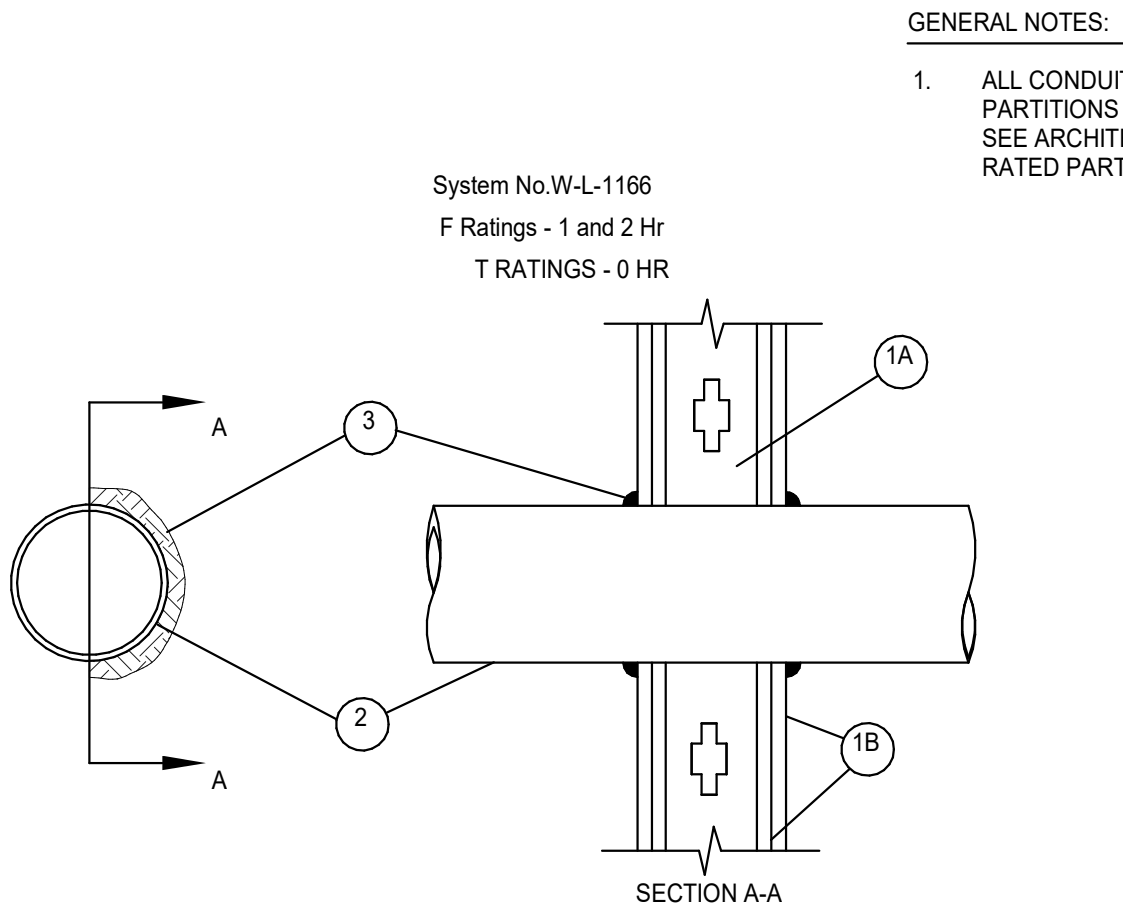
3
E3.4



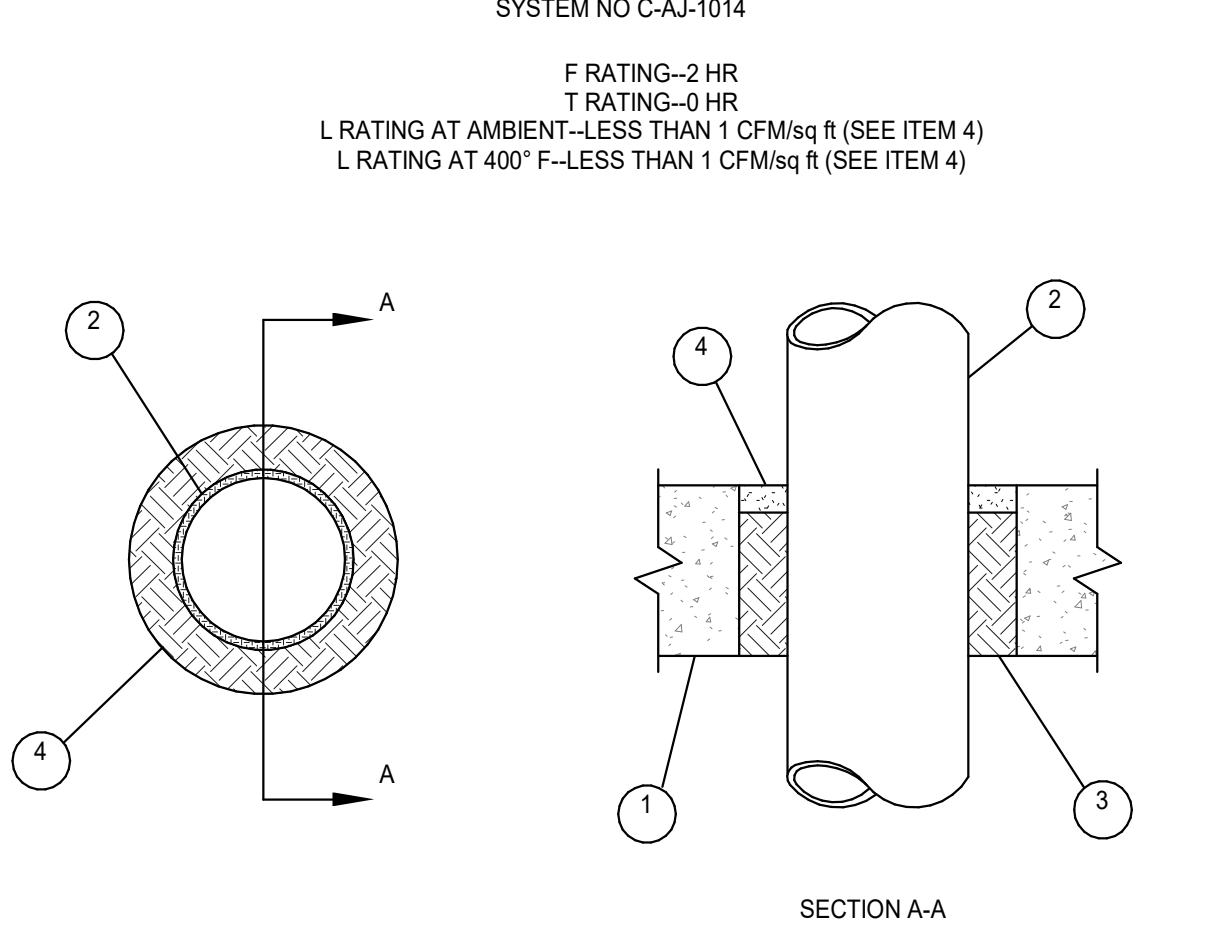
- DETAIL NOTES
- ELECTRICAL PANEL WALL MOUNTED 90" H. X 20" W. X 6" D. MAXIMUM 150 LBS MAXIMUM HEIGHT.
 - 1/2" DIA. HILTI-KB-T22 ANCHORS AT EACH UNISTRUT (6 ANCHORS TOTAL). PROVIDE 2-1/2" NOM EMBED IN CMU. INSTALL ANCHORS PER ICC REPORT #ESR-4561.
 - UNISTRUT P1000 C-CHANNEL.
 - UNISTRUT P3010 CHANNEL NUT WITH 1/2" HHCS AND WASHER (TOTAL OF 6)
 - #12 SMS. @ 6" O.C. TO BACKING
 - 6"x165A (54 MINUS) NOTCHED TRACK ANCHOR BACKING TO (3) STUDS MIN.

SURFACE WALL MOUNTED ELECTRICAL PANEL DETAIL
NO SCALE

5
E3.4



1. WALL ASSEMBLY - THE 1 OR 2 HR FIRE RATED GYPSUM WALLBOARD/STUD WALL ASSEMBLY SHALL BE CONSTRUCTED OF THE MATERIALS AND IN THE MANNER SPECIFIED IN THE INDIVIDUAL U300 OR U400 SERIES WALL AND PARTITION DESIGNS IN THE UL FIRE RESISTANCE DIRECTORY AND SHALL INCLUDE THE FOLLOWING CONSTRUCTION FEATURES:
- A. STUDS - WALL FRAMING MAY CONSIST OF EITHER WOOD STUDS OR STEEL CHANNEL STUDS. WOOD STUDS TO CONSIST OF NOM 2 BY 4 IN. (51 BY 102 MM) LUMBER SPACED 16 IN. (406 MM) OC. STEEL STUDS TO BE MIN 3-1/2 IN. (89 MM) WIDE AND SPACED MAX 24 IN. (610 MM) OC.
- B. GYPSUM BOARD* - THICKNESS, TYPE, NUMBER OF LAYERS AND FASTENERS AS REQUIRED IN THE INDIVIDUAL WALL AND PARTITION DESIGN. MAX DIAM OF OPENING IS 5 IN. (127 MM).
- THE HOURLY F RATING OF THE FIRESTOP SYSTEM IS EQUAL TO THE HOURLY FIRE RATING OF THE WALL ASSEMBLY IN WHICH IT IS INSTALLED.
2. THROUGH PENETRANTS - ONE METALLIC PIPE, CONDUIT OR TUBING INSTALLED EITHER CONCENTRICALLY OR ECCENTRICALLY WITHIN THE FIRESTOP SYSTEM. THE ANNULAR SPACE BETWEEN PIPE, CONDUIT OR TUBING AND PERIPHERY OF OPENING SHALL BE MIN OF 6 IN. (10 MM) (POINT CONTACT) TO MAX 1/8 IN. (3.2 MM) PIPE, CONDUIT OR TUBING TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES, CONDUITS OR TUBING MAY BE USED:
- A. CONDUIT - NOM 4 IN. (102 MM) DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR RIGID STEEL CONDUIT.
3. FILL/VOID OR CAVITY MATERIALS* - CAULK, SEALANT OR PUTTY - MIN 1/2 IN. (13 MM) DIAMETER BEAD OF CAULK OR PUTTY APPLIED CONTINUOUSLY AROUND THE PENETRANT ON THE WALL SURFACES ON BOTH SIDES OF THE WALL.
- 3M COMPANY - CP 25WB+ CAULK, FB-3000 WT SEALANT, MP+ STIX PUTTY.
- *BEARING THE UL CLASSIFICATION MARKING



1. FLOOR OR WALL ASSEMBLY - MIN 3-1/4 IN. THICK REINFORCED LIGHTWEIGHT OR NORMAL WEIGHT (100-150 PCF) CONCRETE. WALL MAY ALSO BE CONSTRUCTED OF ANY UL CLASSIFIED CONCRETE BLOCKS*. MAX DIAM OF CIRCULAR OPENING IS 6 IN. SEE CONCRETE BLOCKS (CAZT) CATEGORY IN THE FIRE RESISTANCE DIRECTORY FOR NAMES OF MANUFACTURERS.
2. THROUGH PENETRANTS - ONE METALLIC PIPE OR CONDUIT TO BE CENTERED WITHIN THE FIRESTOP SYSTEM. A NOM ANNULAR SPACE OF 3/4 IN. IS REQUIRED WITHIN THE FIRESTOP SYSTEM. PIPE OR CONDUIT TO BE RIGIDLY SUPPORTED ON BOTH SIDES OF FLOOR OR WALL ASSEMBLY. THE FOLLOWING TYPES AND SIZES OF METALLIC PIPES OR CONDUITS MAY BE USED:
- A. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) SCHEDULE 10 (OR HEAVIER) STEEL PIPE.
- B. CONDUIT - NOM 4 IN. DIAM (OR SMALLER) STEEL ELECTRICAL METALLIC TUBING OR STEEL CONDUIT.
3. PACKING MATERIAL - MIN 4 PCF MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO OPENING AS A PERMANENT FORM. PACKING MATERIAL TO BE RECESSED FROM TOP SURFACE OF FLOOR OR FROM BOTH SURFACES OF WALL AS REQUIRE TO ACCOMMODATE THE REQUIRED THICKNESS OF FILL MATERIAL. MIN THICKNESS OF PACKING MATERIAL IN FLOORS AND WALLS TO BE 2-3/4 IN. AND 2-1/4 IN., RESPECTIVELY.
4. FILL/VOID OR CAVITY MATERIAL* - SEALANT - MIN 1/2 IN. THICKNESS OF FILL MATERIAL APPLIED WITHIN ANNULUS. FLUSH WITH TOP SURFACE OF FLOOR OR WITH BOTH SURFACES OF WALL. AS AN ALTERNATE, THE PERMANENT FORMING MATERIAL (ITEM 3) MAY BE OMITTED IF THE FILL MATERIAL THICKNESS IS INCREASED TO A MIN 1-1/2 IN. MINNESOTA MINING & MFG CO. - TYPES FB-2000 OR FB-2000+. (NOTE L RATINGS APPLY ONLY WHEN FB-2000+ IS USED.)
- *BEARING THE UL CLASSIFICATION MARKING

CONDUIT PENETRATION THRU FIRE RATED PARTITIONS
NO SCALE

1
E3.5

Professional Engineer
No. 14711
Exp. 6-30-2027
ELECTRICAL
STATE OF CALIFORNIA

Professional Architect
No. 14711
Exp. 6-30-2027
ARCHITECT
STATE OF CALIFORNIA

#25023
STAMP

7/29/2026 10:49:01 AM

AGENCY APPROVAL
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www.jce-inc.com

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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	AMERICAN STANDARD / LUCERNE CHICAGO FAUCETS / 410	1/2"	1/2"	2"	2"	1 1/2"	--	--	--	--	0.5 GPM	WALL MOUNTED, WHITE VITREOUS CHINA, DECK MOUNTED, MANUAL FAUCET, ACCESSIBLE.

AGENCY APPROVAL

FIG No: 31-CS APP#-000000

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 04-124611 INC:

REVIEWED FOR:

SS ☒ FLS ☒ ACS ☒

DATE: 07/30/2026

STAMPS

REGISTERED PROFESSIONAL ENGINEER

No. M06095

EXP. 3-31-27

STATE OF CALIFORNIA

REGISTERED ARCHITECT

No. 12-214611

EXP. 12-31-27

STATE OF CALIFORNIA

CONSULTANT BRANDING

5160 Carroll Canyon Rd, Suite 200
San Diego, California 92121
Consulting Engineers
T. 858 200-0030 F. 858 200-0037
www.ma-engr.com

RUHNAU CLARKE ARCHITECTS

PROJECT No. :1-110-01

7/28/2026 1:13:13 PM

DRAWN BY: _____

DELTA # _____ DATE _____

DELTA # _____ DATE _____

DELTA # _____ DATE _____

DELTA # _____ DATE _____

CHECKED BY: _____

☐ ADD ☐ AFO ☐ CCD ☐ REV

☐ ADD ☐ AFO ☐ CCD ☐ REV

☐ ADD ☐ AFO ☐ CCD ☐ REV

☐ 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

BUILDING K AUTO LIFT PROJECT

CUYAMACA COMMUNITY COLLEGE

900 RANCHO SAN DIEGO PARKWAY, EL CAJON, CA 92019

GROSSMONT-CUYAMACA COMMUNITY COLLEGE DISTRICT

PLUMBING LEGEND AND GENERAL NOTES

P1-0.1

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

1-110-01

REGISTERED PROFESSIONAL ENGINEER
No. 566595
ISS: 5-11-27
MECHANICAL
STATE OF CALIFORNIA

REGISTERED ARCHITECT
No. 21246
ISS: 12-31-27
STATE OF CALIFORNIA

STAMPS

AGENCY APPROVAL
FIG No: 37-CS APP#-000000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124611 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 07/30/2026

MA

ENGINEERS

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CLARKE
ARCHITECTS

CONSULTANT BRANDING

#

KEY NOTES

1

POINT OF DISCONNECT EXISTING 6" WASTE AT 5 FEET FROM EXISTING SAND/OIL INTERCEPTOR.
RECONDITION EXISTING ROUGH-IN FOR NEW 6" WASTE.

2

REMOVE EXISTING SAND/OIL INTERCEPTOR AND ASSOCIATED PIPING.

3

EXISTING AREA DRAIN TO REMAIN.

4

SALVAGE EXISTING AREA DRAIN FOR NEW LOCATION.

5

REMOVE ALL EXISTING PLUMBING FIXTURES, RECONDITION EXISTING ROUGH-IN FOR NEW
FIXTURES.

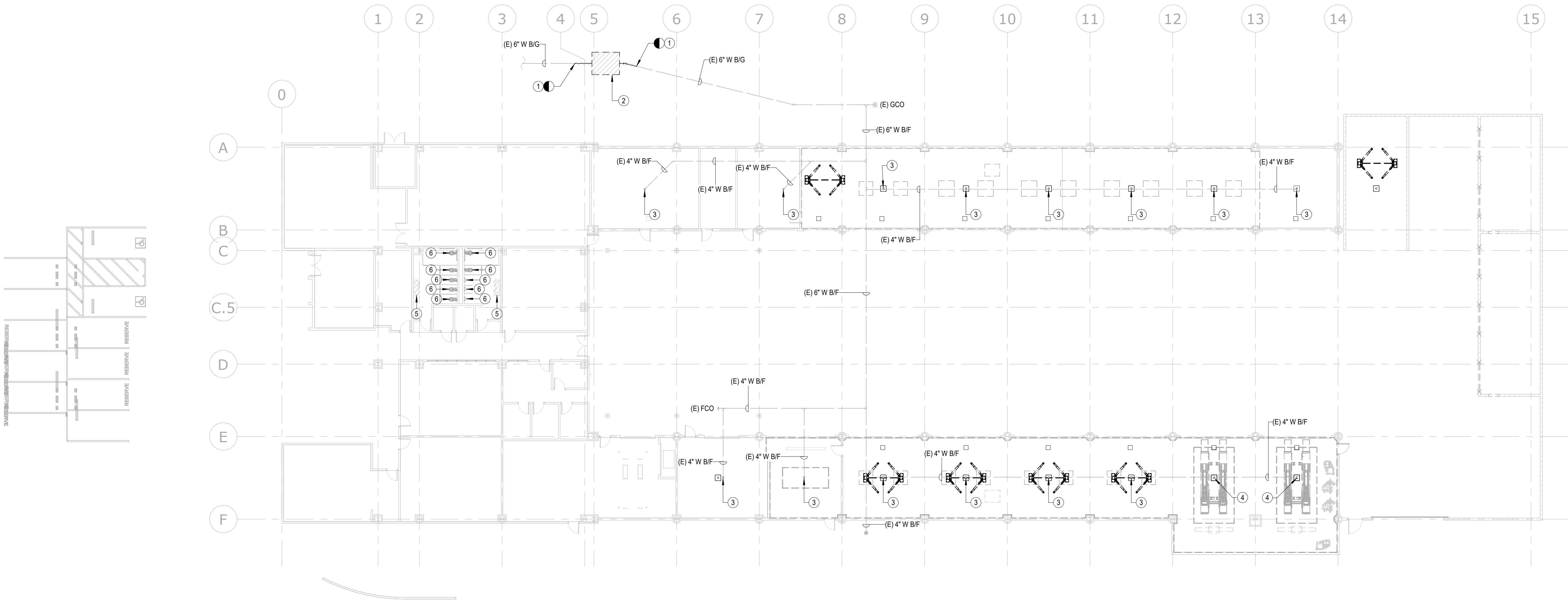
6

EXISTING TO REMAIN

GENERAL NOTES

A

ALL PLUMBING FIXTURES AND UTILITIES TO REMAIN IN PLACE, UNLESS OTHERWISE NOTED.



AGENCY APPROVAL
PRO No: 21-CS-00000000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-124611 INC:
REVIEWED FOR:
SS ☒ FLS ☒ ACS ☒
DATE: 07/30/2026

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KEY NOTES

1

POINT OF CONNECTION 6" WASTE TO EXISTING 6" WASTE.

2

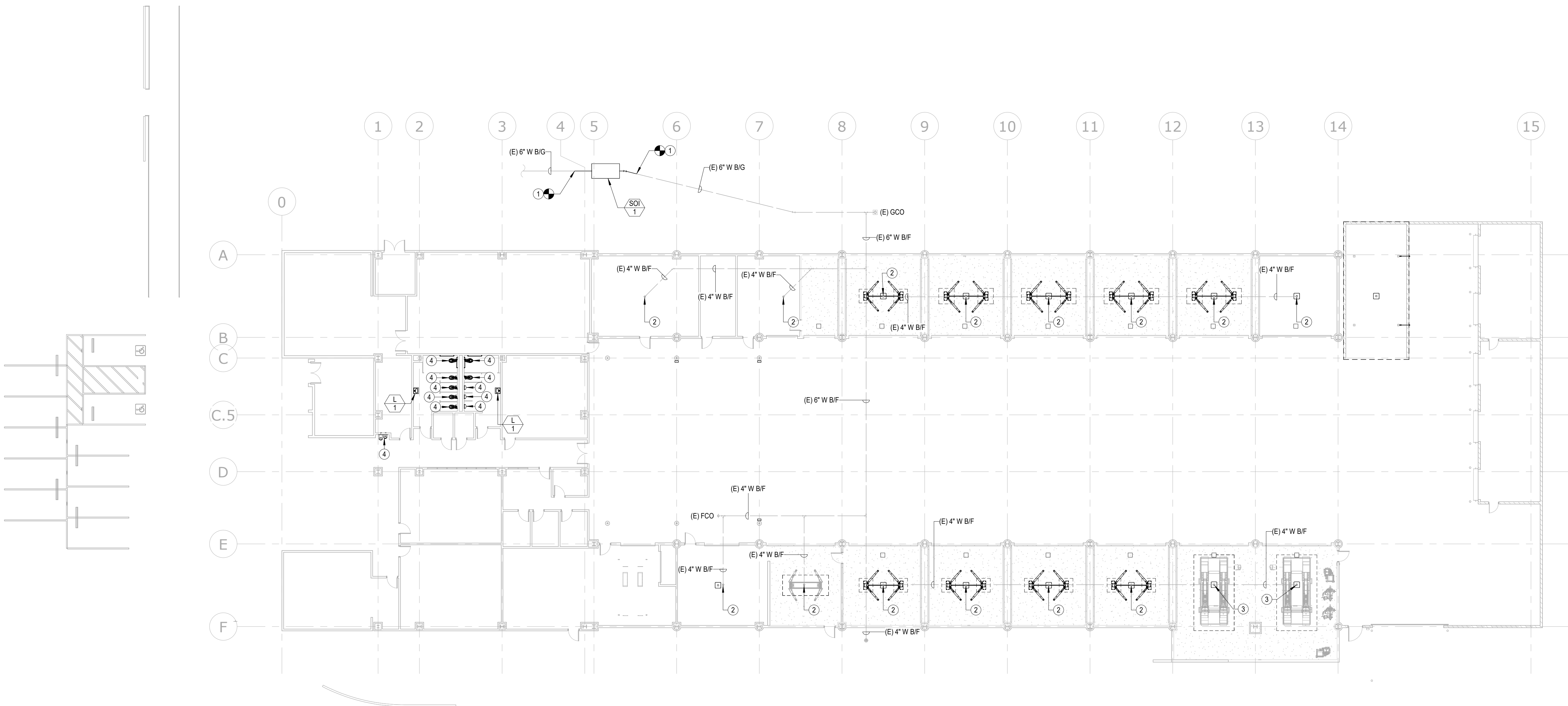
EXISTING AREA DRAIN.

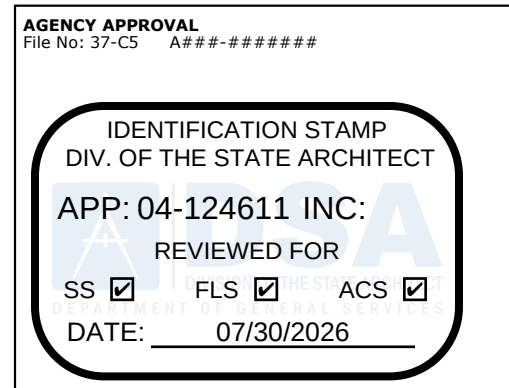
3

ADJUST SLAVAGED AREA DRAIN TO NEW FINISH FLOOR ELEVATION.

4

EXISTING PLUMBING FIXTURE.





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