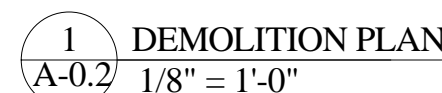


TENANT IMPROVEMENTS FOR
ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES
2420 6TH STREET, EUREKA, CA

		VICINITY MAP		PROJECT DESCRIPTION																																																																			
				<p>SCOPE INCLUDES:</p> <p>BASE BID:</p> <p>TENANT IMPROVEMENTS TO THE INTERIOR FOR THE OFFICES OF THE HUMBOLDT COUNT ECONOMIC DEVELOPMENT</p> <p>SCOPE INCLUDES REMOVAL AND CONSTRUCTION OF NON-BEARING WALLS, RETROFITTING AND RELOCATING OF ELECTRICAL LIGHTING AND POWER TO ACCOMMODATE NEW SPACE PLANNING. AND ASSOCIATED ADA ACCESSIBLTY IMPROVEMENTS</p> <p>BID ALTERNATE ONE: THE INTERIOR FOR THE OFFICES OF THE HUMBOLDT COUNT ECONOMIC DEVELOPMENT AND CHILD SERVICES DEPARTMENTS DESIGNATED ON DETAIL 1 / A-0</p> <p>SCOPE INCLUDES REMOVAL AND CONSTRUCTION OF NON-BEARING WALLS, RETROFITTING AND RELOCATING OF ELECTRICAL LIGHTING AND POWER TO ACCOMMODATE NEW SPACE PLANNING. AND ASSOCIATED ADA ACCESSIBLTY IMPROVEMENTS</p>																																																																			
		APPLICABLE CODES		GENERAL NOTES																																																																			
		<p>PARTIAL LIST OF APPLICABLE CODES</p> <p>2019 California Administrative Code (CAC), Part 1. Title 24 CCR* 2019 California Building Code (CBC), Part 2. Title 24 CCR (2018 International Building Code, Vol. 1 & 2. and 2019 California amendments</p> <p>2019 California Electrical Code (CEC), Part 3. Title 24 CCR (2017 National Electrical Code and 2019 California Amendments)</p> <p>2019 California Mechanical Code (CMC), Part 4. Title 24 CCR (2018 IAPMO Uniform Mechanical Code and 2019 California amendments)</p> <p>2019 California Plumbing Code (CPC), Part 5, Title 24 CCR (2018 IAPMO Uniform Plumbing Code and 2019 California amendments)</p> <p>2019 California Energy Code (CEC), Part 6, Title 24 CCR</p> <p>2019 California Fire Code (CFC), Part 9. Title 24 CCR (2018 International Fire Code and 2019 California Amendments)</p> <p>2019 California Existing Building Code (CEBC), Part 10. Title 24 CCR (2018 International Existing Building Code and 2019 California Amendments)</p> <p>2019 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR</p> <p>2019 California Referenced Standards Code, Part 12. Title 24 CCR Title 19 CCR, Public Safety, State Fire Marshal Regulations</p> <p>2016 ASME A17.1/CSA B44-13 Safety Code for Elevators and Escalators</p> <p>PARTIAL LIST OF APPLICABLE STANDARDS</p> <table><tr><td>2010</td><td>ADA Standards for Accessibility Design</td><td></td></tr><tr><td>NFPA 13</td><td>Standard for the Installation of Sprinkler Systems (CA amended)</td><td>2016 Edition</td></tr><tr><td>NFPA 14</td><td>Standard for the Installation of Standpipe and Hose Systems</td><td>2016 Edition</td></tr><tr><td>NFPA 17</td><td>Standard for Dry Chemical Extinguishing Systems</td><td>2016 Edition</td></tr><tr><td>NFPA 17A</td><td>Standard for Wet Chemical Extinguishing Systems</td><td>2016 Edition</td></tr><tr><td>NFPA 20</td><td>Standard for the Installation of Stationary Pumps for Fire Protection</td><td>2016 Edition</td></tr><tr><td>NFPA 22</td><td>Standard for Water Tanks for Private Fire Protection</td><td>2016 Edition</td></tr><tr><td>NFPA 24</td><td>Standard for the Installation of Private Fire Service Mains and Their Appurtenances</td><td>2019Edition</td></tr><tr><td>NFPA 72</td><td>National Fire Alarm and Signaling Code (CA amended);</td><td>2019 Edition</td></tr><tr><td>NFPA 80</td><td>Standard for Fire Doors and Other Opening Protectives</td><td>2019 Edition</td></tr><tr><td>NFPA 2001</td><td>Standard on Clean Agent Fire Extinguishing Systems</td><td>2018 Edition</td></tr><tr><td>UL 300</td><td>Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment</td><td>2019 (R2010)</td></tr><tr><td>UL 464</td><td>Audible Signaling Devices for Fire Alarm and Signaling Systems. Including Accessories</td><td>2016 Edition</td></tr><tr><td>UL 521</td><td>Standard for Heat Detectors for Fire Protective Signaling Systems</td><td>1999 Edition</td></tr><tr><td>UL 1971</td><td>Standard for Signaling Devices for the Hearing Impaired</td><td>2002 Edition</td></tr><tr><td>ICC 300</td><td>Standard for Bleachers, Folding and Telescopic Seating, and Grandstands</td><td>2017 Edition</td></tr></table> <p>For a complete list of applicable NFPA standards refer to 2016 CBC (SFM) Chapter 35 and California Fire Code Chapter 80.</p> <p>See California Building Code, Chapter 35, for State of California amendments to the NFPA Standards.</p>		2010	ADA Standards for Accessibility Design		NFPA 13	Standard for the Installation of Sprinkler Systems (CA amended)	2016 Edition	NFPA 14	Standard for the Installation of Standpipe and Hose Systems	2016 Edition	NFPA 17	Standard for Dry Chemical Extinguishing Systems	2016 Edition	NFPA 17A	Standard for Wet Chemical Extinguishing Systems	2016 Edition	NFPA 20	Standard for the Installation of Stationary Pumps for Fire Protection	2016 Edition	NFPA 22	Standard for Water Tanks for Private Fire Protection	2016 Edition	NFPA 24	Standard for the Installation of Private Fire Service Mains and Their Appurtenances	2019Edition	NFPA 72	National Fire Alarm and Signaling Code (CA amended);	2019 Edition	NFPA 80	Standard for Fire Doors and Other Opening Protectives	2019 Edition	NFPA 2001	Standard on Clean Agent Fire Extinguishing Systems	2018 Edition	UL 300	Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment	2019 (R2010)	UL 464	Audible Signaling Devices for Fire Alarm and Signaling Systems. 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BEFORE BEGINNING WORK AT THE SITE, WHERE POSSIBLE AND THROUGHOUT THE COURSE OF WORK, INSPECT AND VERIFY THE LOCATION AND CONDITION OF ITEMS AFFECTED BY THE WORK UNDER THIS CONTRACT AND REPORT DISCREPANCIES TO ARCHITECT BEFORE DOING THE WORK RELATED TO THAT BEING INSPECTED.</p> <p>5. THE ARCHITECTURAL DRAWINGS SHOW PRINCIPAL AREAS WHERE WORK MUST BE ACCOMPLISHED UNDER THIS CONTRACT. INCIDENTAL WORK MAY ALSO BE NECESSARY IN AREAS NOT SHOWN ON THE ARCHITECTURAL DRAWINGS DUE TO CHANGES AFFECTING EXISTING MECHANICAL, ELECTRICAL PLUMBING OR OTHER SYSTEMS. SUCH INCIDENTAL WORK IS ALSO PART OF THIS CONTRACT.</p> <p>6. DO NOT DRILL OR CUT EXISTING JOISTS, BEAMS, COLUMNS OR OTHER STRUCTURAL ELEMENTS UNLESS SPECIFICALLY INDICATED.</p> <p>7. PREPARE, SUBMIT AND RECIEVE APPROVAL OF SLEEVE AND OPENING DRAWINGS BEFORE LOCATING SLEEVES AND OPENINGS IN FIRE-RATED CONSTRUCTION AND BEFORE CUTTING FIRE-RATED CONSTRUCTION.</p> <p>8. WHERE "MATCH EXISTING" IS INDICATED: NEW CONSTRUCTION OF FINISHES AS APPROPRIATE TO THE NOTE, SHALL MATCH ADJACENT CONSTRUCTION AND FINISHES.</p> <p>9. FIRE BLOCKING SHALL BE PROVIDED IN ALL CONCEALED SPACES, WALL CAVITIES INCLUDED, ACCORDING TO I.B.C. SECTION 708.2.1</p>																			
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		<p>DIRECTORY</p> <p>OWNER</p> <p>HUMBOLDT COUNTY</p> <p>825 5TH STREET, ROOM 112 EUREKA, CA 95501 707-476-2388 CONTACT: TRAVIS SMITH CAO PROJECT MANAGER</p> <p>ARCHITECT</p> <p>ALAMEIDA ARCHITECTURE 555 SOUTH MAIN STREET, SUITE 2 SEBASTOPOL, CALIFORNIA 95472 (707) 824-1219 FAX (707) 824-2670</p> <p>DEFERRED APPROVAL</p> <p>MODIFICATIONS TO EXISTING FIRE ALARM SYSTEM</p> <p>MODIFICATIONS TO EXISTING FIRE SPRINKLER SYSTEM</p> <p>REBID MODIFICATIONS</p> <p>1. OMIT NEW LIGHTING FIXTURES FROM SCOPE RETROFIT EXISTING FIXTURES WITH T-8 LED W/ BALLAST BYPASS.</p> <p>2. OMIT NEW DAYLIGHT CONTROLS. EXISTING LIGHTING CONTROLS TO REMAIN.</p> <p>3. OMIT WALL COVERINGS.</p> <p>4. OMIT BID ALTERNATE: CAFE BAR - CASEWORK AND ASSOCIATED PLUMBING</p>		<p>DRAWING INDEX</p> <table><tr><td>A-0</td><td>COVER SHEET</td></tr><tr><td>A-0.1</td><td>CODE ANALYSIS</td></tr><tr><td>A-0.2</td><td>DEMOLITION PLAN</td></tr><tr><td>A-0.3</td><td>SITE PLAN - ACCESSIBILITY & GREEN CODE E.V.</td></tr><tr><td>A-0.4</td><td>ACC EGRESS PLAN</td></tr><tr><td>A-1</td><td>NEW FLOOR PLAN</td></tr><tr><td>A-1.1</td><td>LAYOUT PLAN</td></tr><tr><td>A-1.2</td><td>RESTROOM - DETAIL PLAN & DETAILS</td></tr><tr><td>A-1.3</td><td>DETAILED ACC INTERVIEW RM AND GENDER NEUTRAL RESTROOM PLAN</td></tr><tr><td>A-1.4</td><td>DEPARTMENTAL DISTRIBUTION PLAN</td></tr><tr><td>A-2</td><td>R.F.C.P. DEMOLITION</td></tr><tr><td>A-2.2</td><td>R.F.C.P. NEW</td></tr><tr><td>A-3</td><td>SITE ACCESS DETAILS</td></tr><tr><td>A-3.1</td><td>ADA SIGNAGE PLAN</td></tr><tr><td>A-3.2</td><td>SIGN SCHEDULE & DETAILS</td></tr><tr><td>A-4</td><td>INTERIOR ELEVATIONS</td></tr><tr><td>A-4.1</td><td>RECEPTION AND COUNTER SECTIONS</td></tr><tr><td>A-5</td><td>TYPICAL METAL STUD PARTITION CONSTRUCTION</td></tr><tr><td>A-6</td><td>CASEWORK DETAILS</td></tr><tr><td>A-7</td><td>POWER & LIGHTING CONTROLS SEQUENCE OF OPERATION</td></tr><tr><td>A-7.0</td><td>SUSPENDED CEILING LAYOUT AND DETAILS</td></tr><tr><td>A-7.1</td><td>SUSPENDED ACCOUSTICAL CEILING DETAILS</td></tr><tr><td>A-7.2</td><td>SUSPENDE DRYWALL LAYOUT</td></tr><tr><td>A-7.3</td><td>SUSPENDE DRYWALL DETAILS</td></tr><tr><td>A-7.4</td><td>SUSPENDE DRYWALL CEILING WHERE PARTIALLY JOISTED</td></tr><tr><td>A-8</td><td>ROOM SCHEDULE</td></tr><tr><td>CG-1</td><td>CAL GREEN CHECKLIST</td></tr><tr><td>CG-2</td><td>CALGREEN CHECKLIST</td></tr><tr><td>CG-3</td><td>CALGREEN CHECKLIST</td></tr><tr><td>E-0</td><td>ELECTRICAL SCHEDULES AND NOTES</td></tr><tr><td>E-1</td><td>ELECTRICAL POWER DEMOLITION</td></tr><tr><td>E-2</td><td>POWER PLAN</td></tr><tr><td>E-3</td><td>LIGHTING PLAN</td></tr></table>		A-0	COVER SHEET	A-0.1	CODE ANALYSIS	A-0.2	DEMOLITION PLAN	A-0.3	SITE PLAN - ACCESSIBILITY & GREEN CODE E.V.	A-0.4	ACC EGRESS PLAN	A-1	NEW FLOOR PLAN	A-1.1	LAYOUT PLAN	A-1.2	RESTROOM - DETAIL PLAN & DETAILS	A-1.3	DETAILED ACC INTERVIEW RM AND GENDER NEUTRAL RESTROOM PLAN	A-1.4	DEPARTMENTAL DISTRIBUTION PLAN	A-2	R.F.C.P. DEMOLITION	A-2.2	R.F.C.P. NEW	A-3	SITE ACCESS DETAILS	A-3.1	ADA SIGNAGE PLAN	A-3.2	SIGN SCHEDULE & DETAILS	A-4	INTERIOR ELEVATIONS	A-4.1	RECEPTION AND COUNTER SECTIONS	A-5	TYPICAL METAL STUD PARTITION CONSTRUCTION	A-6	CASEWORK DETAILS	A-7	POWER & LIGHTING CONTROLS SEQUENCE OF OPERATION	A-7.0	SUSPENDED CEILING LAYOUT AND DETAILS	A-7.1	SUSPENDED ACCOUSTICAL CEILING DETAILS	A-7.2	SUSPENDE DRYWALL LAYOUT	A-7.3	SUSPENDE DRYWALL DETAILS	A-7.4	SUSPENDE DRYWALL CEILING WHERE PARTIALLY JOISTED	A-8	ROOM SCHEDULE	CG-1	CAL GREEN CHECKLIST	CG-2	CALGREEN CHECKLIST	CG-3	CALGREEN CHECKLIST	E-0	ELECTRICAL SCHEDULES AND NOTES	E-1	ELECTRICAL POWER DEMOLITION	E-2	POWER PLAN	E-3	LIGHTING PLAN
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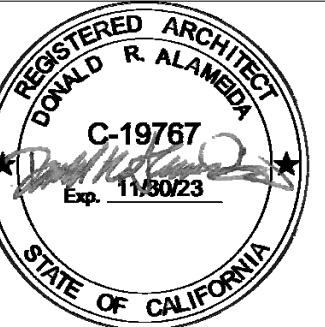


Scale	1/8" = 1'-0"
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PROJECT
TENANT
IMPROVEMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET
EUREKA, CA

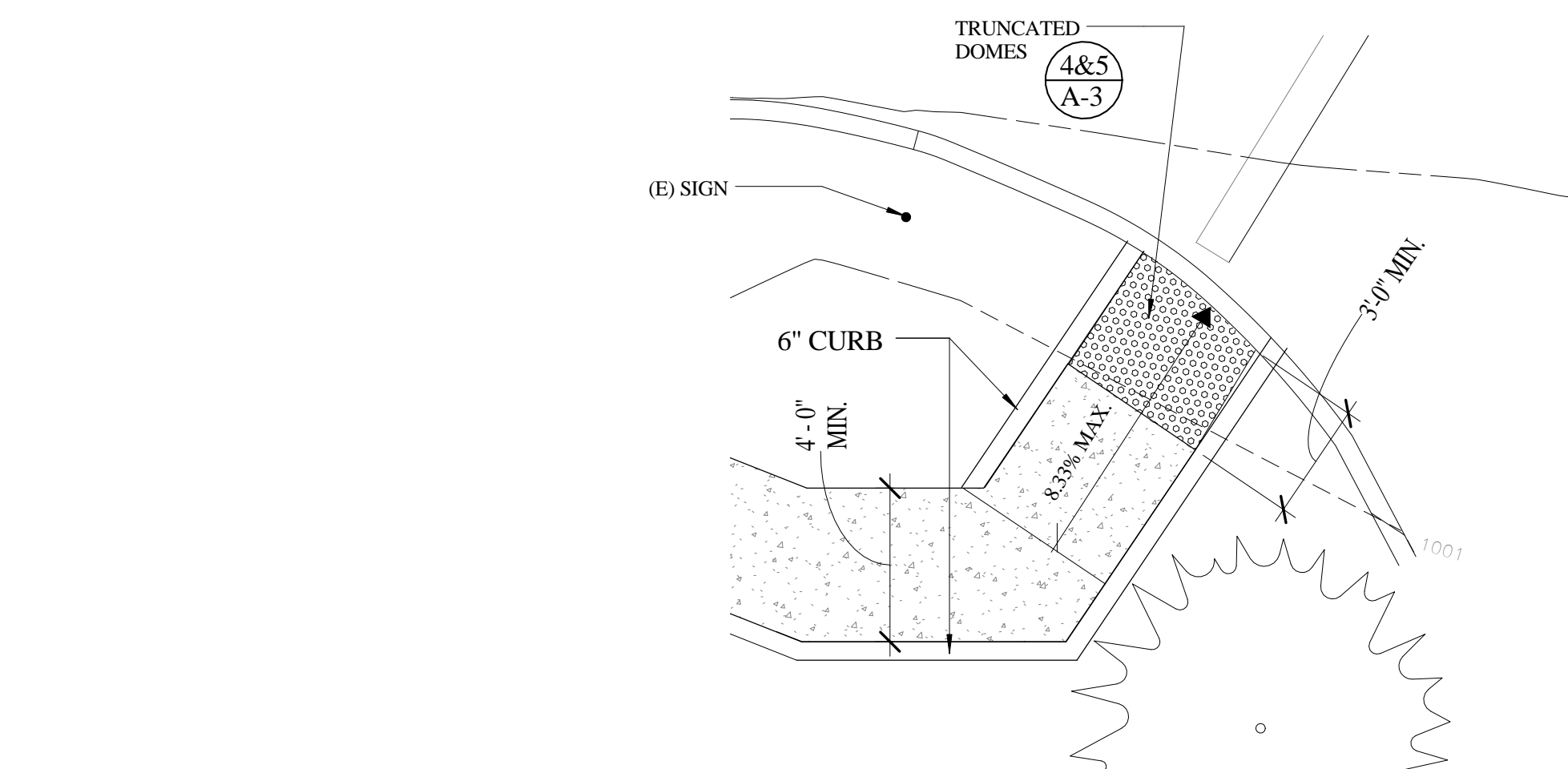
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SITE PLAN - ACCESSIBILITY

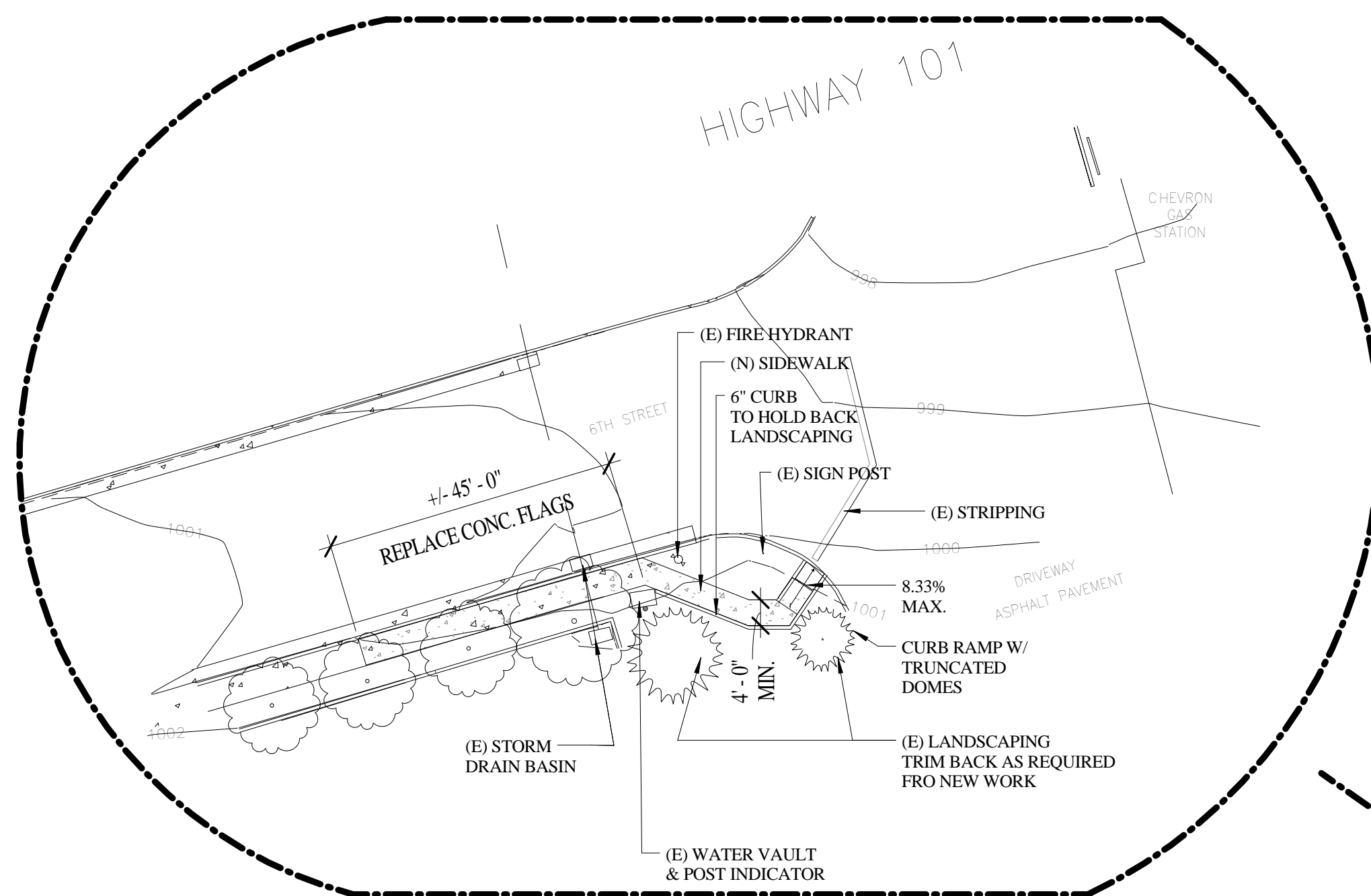
Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-0.3

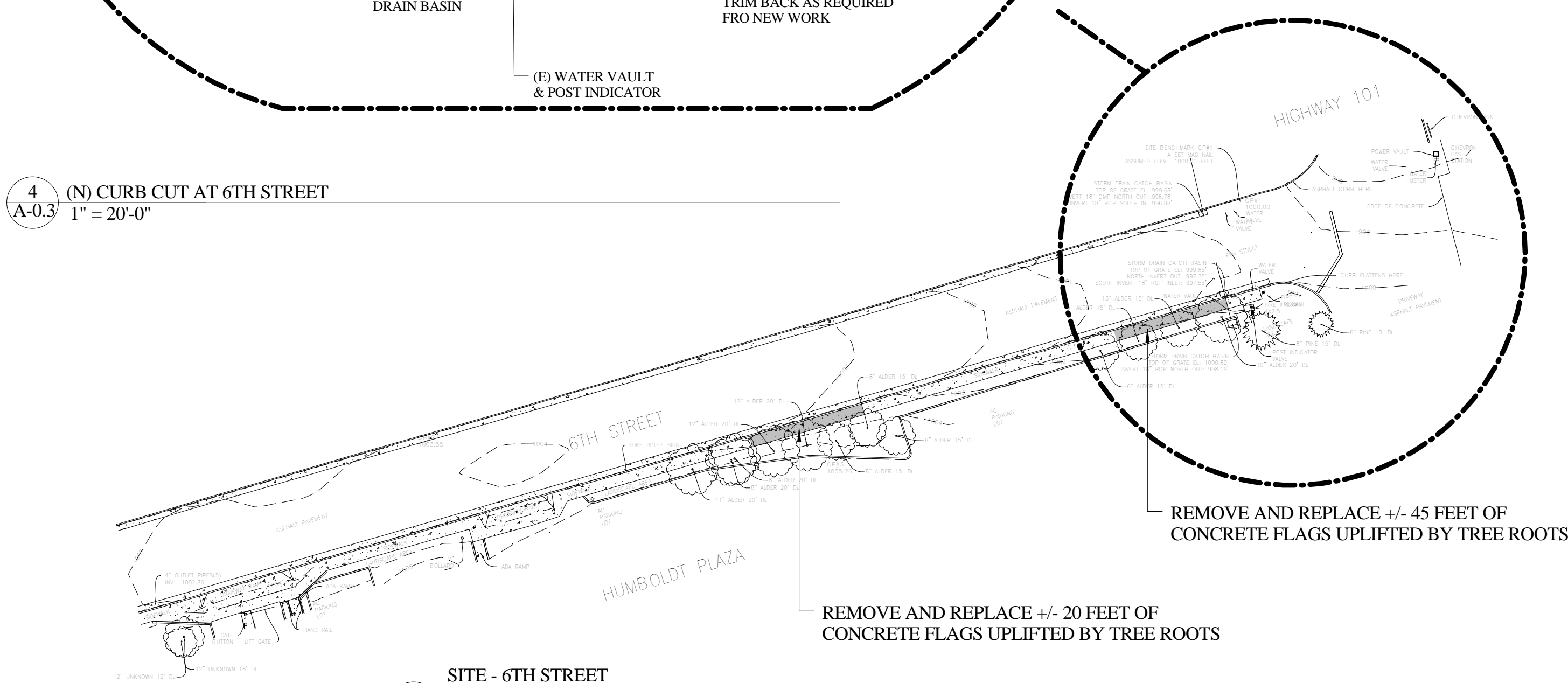
Scale	As indicated
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5 CURB CUT DETAIL
A-0.3 1/4" = 1'-0"



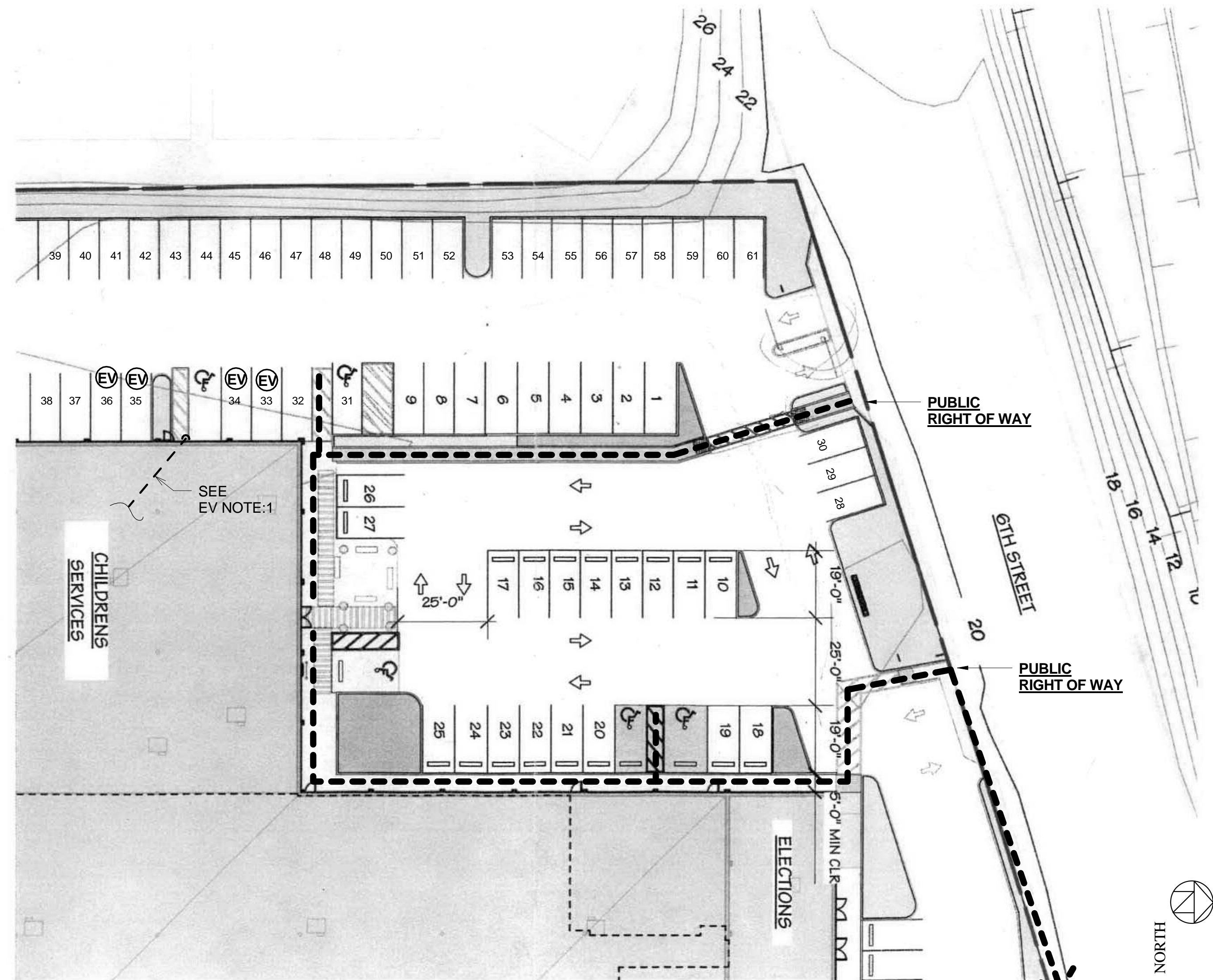
4 (N) CURB CUT AT 6TH STREET
A-0.3 1" = 20'-0"




3
A-0.3

SITE - 6TH STREET
IMPROVEMENTS

1" = 40'-0"



SEE DETAIL

 FOR CONTINUATION

**(EV) E.V. READY
PARKING
SPACE**

PARKING FOR
CHILD PROTECTIVE SERVICES,
ECONOMIC DEVELOPMENT
AND DEPARTMENT OF ELECTIONS

EXISTING PARKLING	
STANDARD STALL =	60
ACCESSIBLE VAN =	2
<u>ACCESSIBALE =</u>	<u>2</u>
TOTAL	64

REQUIRED ACCESSIBLE
PARKING FOR 51- 75
3 REQUIRED < 4 PROVIDED

E.V.NOTE 1.

INSTALL 2" CONDUIT FROM
DISTRIBUTION PANEL "W" 800 AMP
SERVICE LOCATED IN ROOM 166
ABOVE CEILING, TROUGH EXTERIOR
WALL AND TEMINATE FOR FUTURE
E.V. SUBPANEL & CHARGERS @ 42"
ABOVE GRADE ON EXTERIOR WALL.

C.B.C. GREEN CODE ELECTRIC VEHICAL READY REQUIREMENT

TABLE 5.106.5.3.3

TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
0-9	0
10-25	1
26-50	2
51-75	4
76-100	3
101-150	7
151-200	10
201 and over	6 percent of total ¹

1. Calculation for spaces shall be rounded up to the nearest whole number.

1 SITE PLAN - ACCESSIBILITY
A-0.3 1/2" = 1'-0"

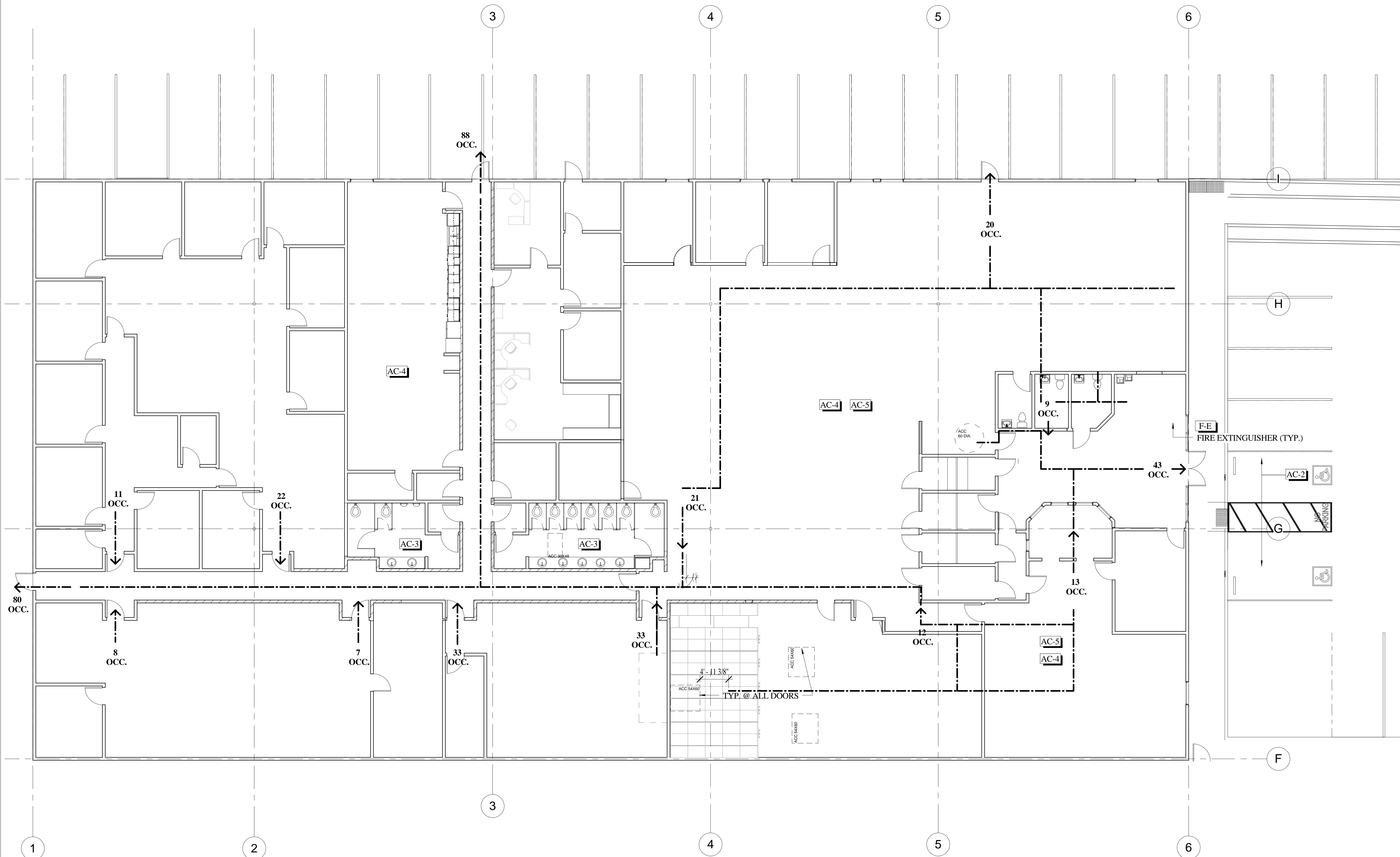
& GREEN CODE E.V. PARKING

AC-1	ALL EGRESS ROUTES TO MEET ADA MANEUVERING CLEARANCES FOR ALL NEW ROOMS/SPACES.
AC-2	EXISTING ADA PARKING
AC-3	SEE SHEET A1.2 FOR MODIFICATIONS TO EXITING RESTROOMS

AC-4 AT LEAST 5% OF SEATING SPACE AND
STANDING SPACES AT DINNING SURFACE
SHALL COMPLY WITH SECTION 11B-902.
WHERE WORK SURFACES ARE PROVIDED
FOR USE BY OTHER THAN EMPLOYEES, AT
LEAST 5% SHALL COMPLY WITH SECTION
11B-902.

NOTE: ACCESSIBLE FURNITURE TO
COMPLY WITH 11B-902.2 AND 11B-902.3.

AC-5	FURNITURE PLACEMENT NOT TO OBSTRUCT THE REQUIRED DOOR MANEUVERING SPACE OR REDUCE THE REQUIRED WIDTH OF ACCESSIBLE ROUTE.
F-E	VERIFY (E) AND (N) FIRE EXTINGUISHER TO BE NO FURTHER THAN 75 FOOT TRAVEL DISTANCE



1 FIRST FLOOR EXITING PLAN
A-0.4 1/8" = 1'-0"

ALAMEIDA
ARCHITECTURE

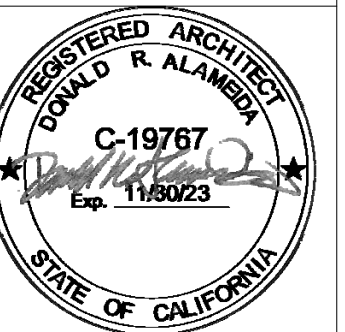
555 S. MAIN STREET, SUITE 2
SEBASTOPOL, CA 95472
(707) 824-1219
WWW.ALAMEIDA.COM



PROJECT

TENANT IMPROVEMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES

2420 6TH STREET
EUREKA, CA

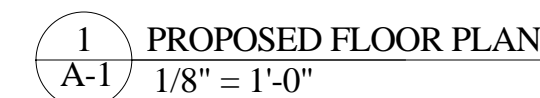
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ACC EGRESS PLAN

Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-0.4

Scale	1/8" = 1'-0"
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W/ LEVEL 2
FIBERGLASS
PANEL BEHIND
DRYWALL

Scale	1/8" = 1'-0"
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WALL / PARTITION TYPES

EXITING PARTITION

NEW PARTITION

NEW 1 HOUR
RATED
PARTITIONNEW BULLET
RESISANT
PARTITION

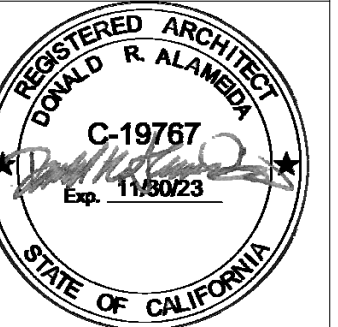
W/ LEVEL 2
FIBERGLASS
PANEL BEHIND
DRYWALL



PROJECT

TENANT IMPROVEMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES

2420 6TH STREET
EUREKA, CA

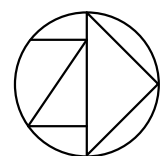
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LAYOUT PLAN

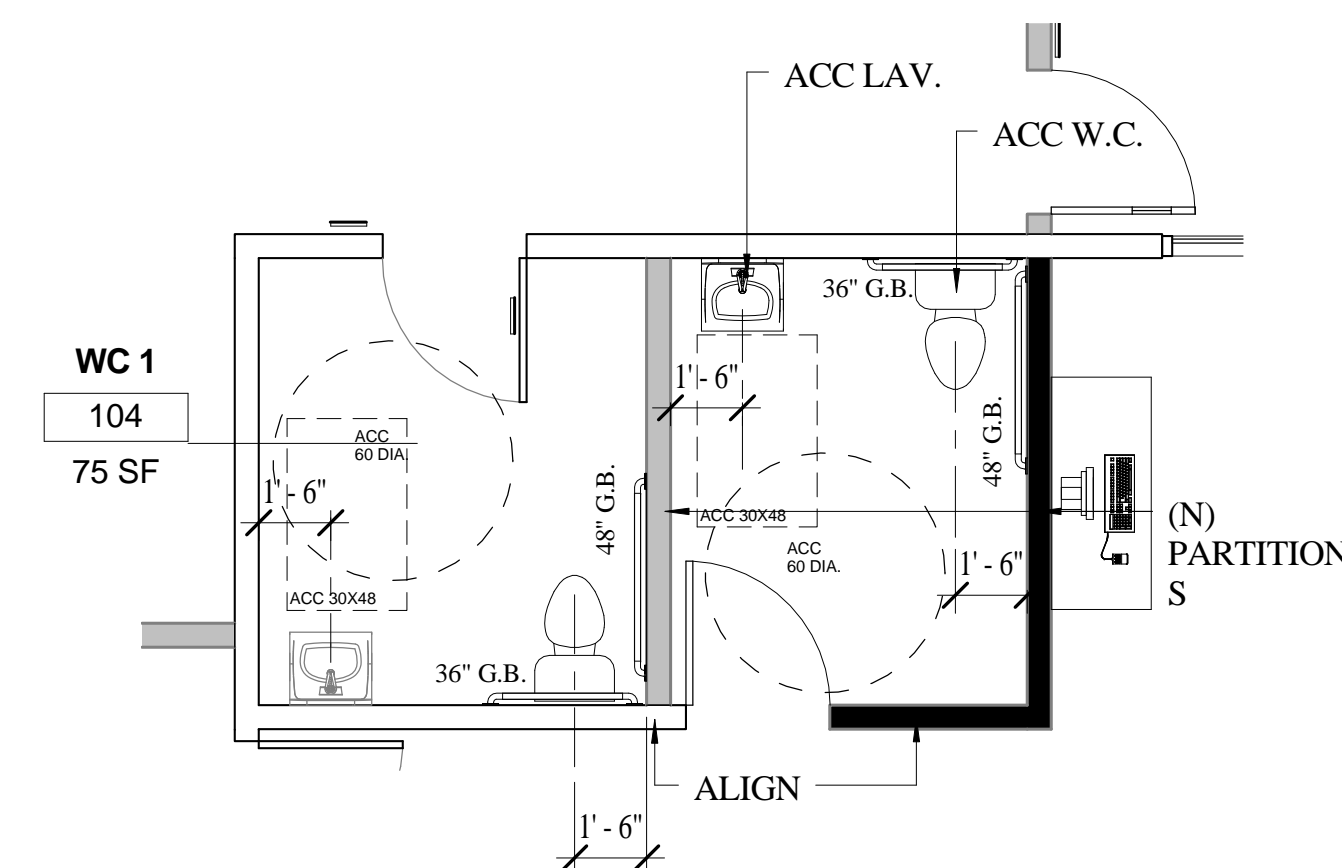
Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-1.1

Scale	1/8" = 1'-0"
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NORTH



- ### WALL / PARTITION TYPES

EXITING PARTITION

NEW PARTITION

NEW 1 HOUR
RATED
PARTITION

NEW BULLET
RESISANT
PARTITION

5
A-5

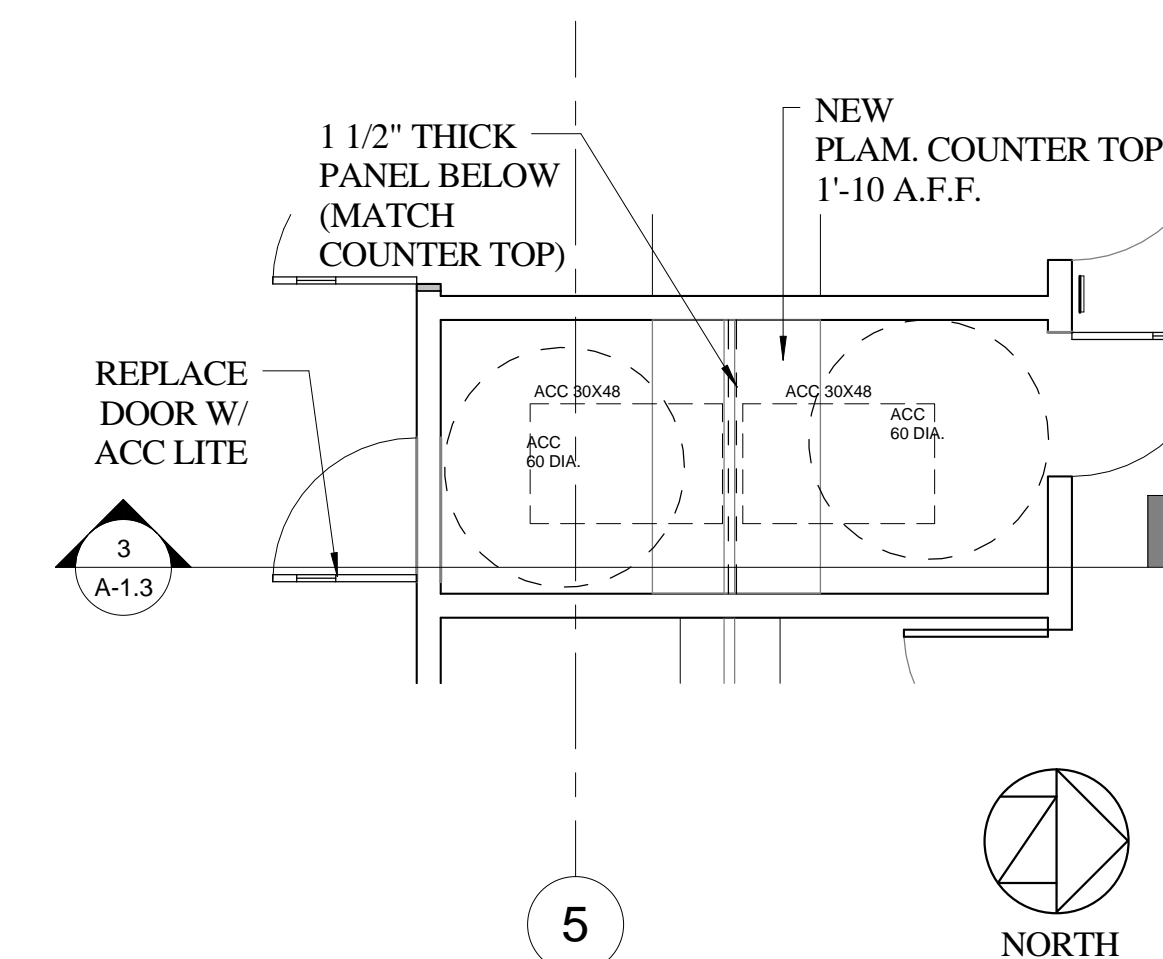
2
A-5

2
A-5

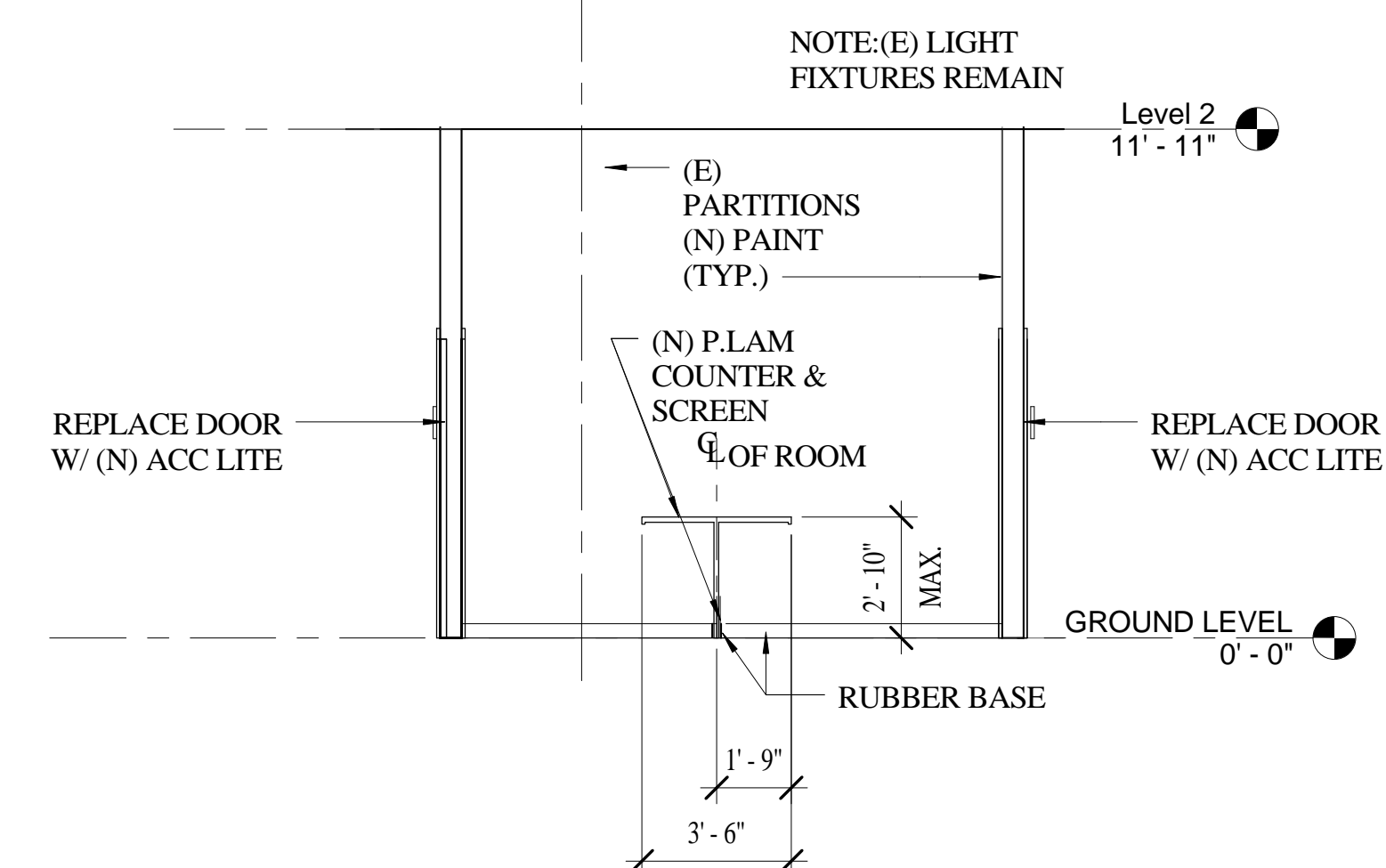
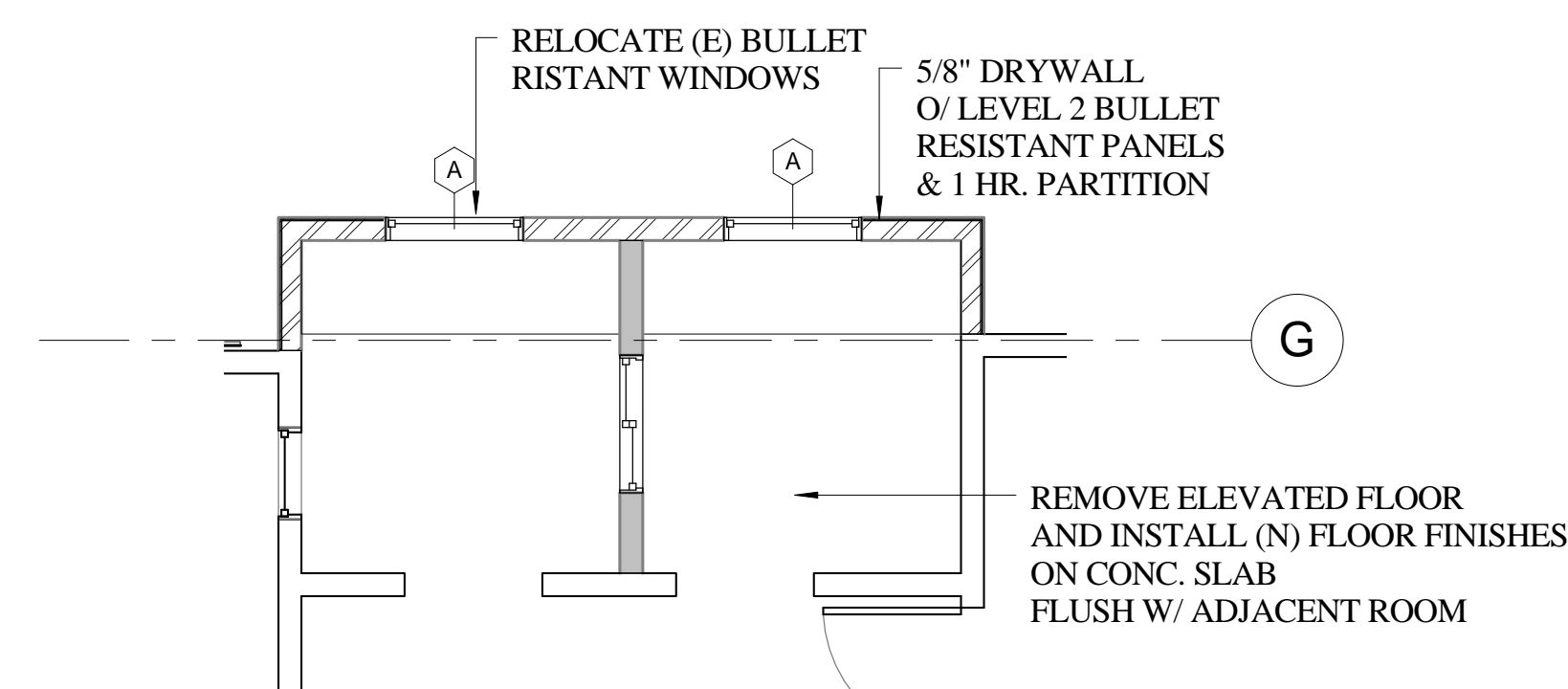
W/ LEVEL 2
FIBERGLASS
PANEL BEHIND
DRYWALL

SHEET NOTES

- A5** INSTALL SALVAGED
BULLET RESISTANT WINDOWS
(TYP. FOR 4)
- A6** DRYWALL W/ BULLET
RESISTANT LINER



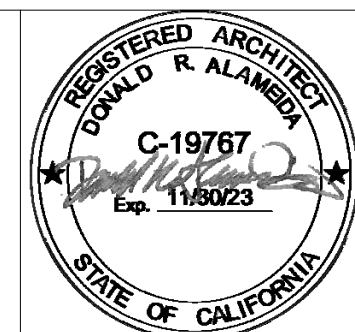
1 ACC INTERVIEW ROOM PLAN
A-1.3 1/4" = 1'-0"



PROJECT

TENANT IMPROVEMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES

2420 6TH STREET
EUREKA, CA

[illegible]

DETAILED ACC
INTERVIEW RM
AND GENDER
NEUTRAL
RESTROOM PLAN

Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-1.3

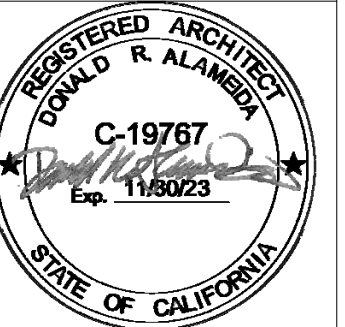
Scale	As indicated
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PROJECT

TENANT IMPROVEMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES

2420 6TH STREET
EUREKA, CA

[illegible]

R.F.C.P. DEMOLITION

Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-2

Scale	1/8" = 1'-0"
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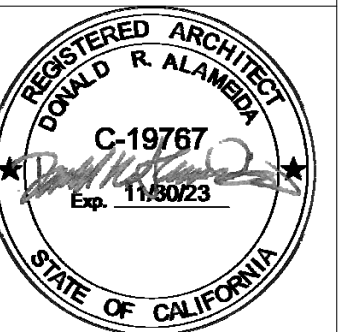
1 A-2	CEILING DEMOLITION 1/8" = 1'-0"
----------	------------------------------------



PROJECT

TENANT IMPROVEMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES

2420 6TH STREET
EUREKA, CA

[illegible]

R.F.C.P. NEW

Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-2.2

Scale	1/8" = 1'-0"
-------	--------------



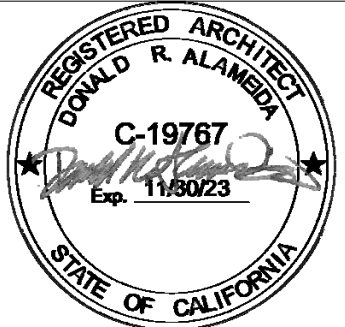
1 REFLECTED CEILING PLAN
A-2.2 1/8" = 1'-0"



PROJECT

**TENANT
IMPROVEMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES**

2420 6TH STREET
EUREKA, CA

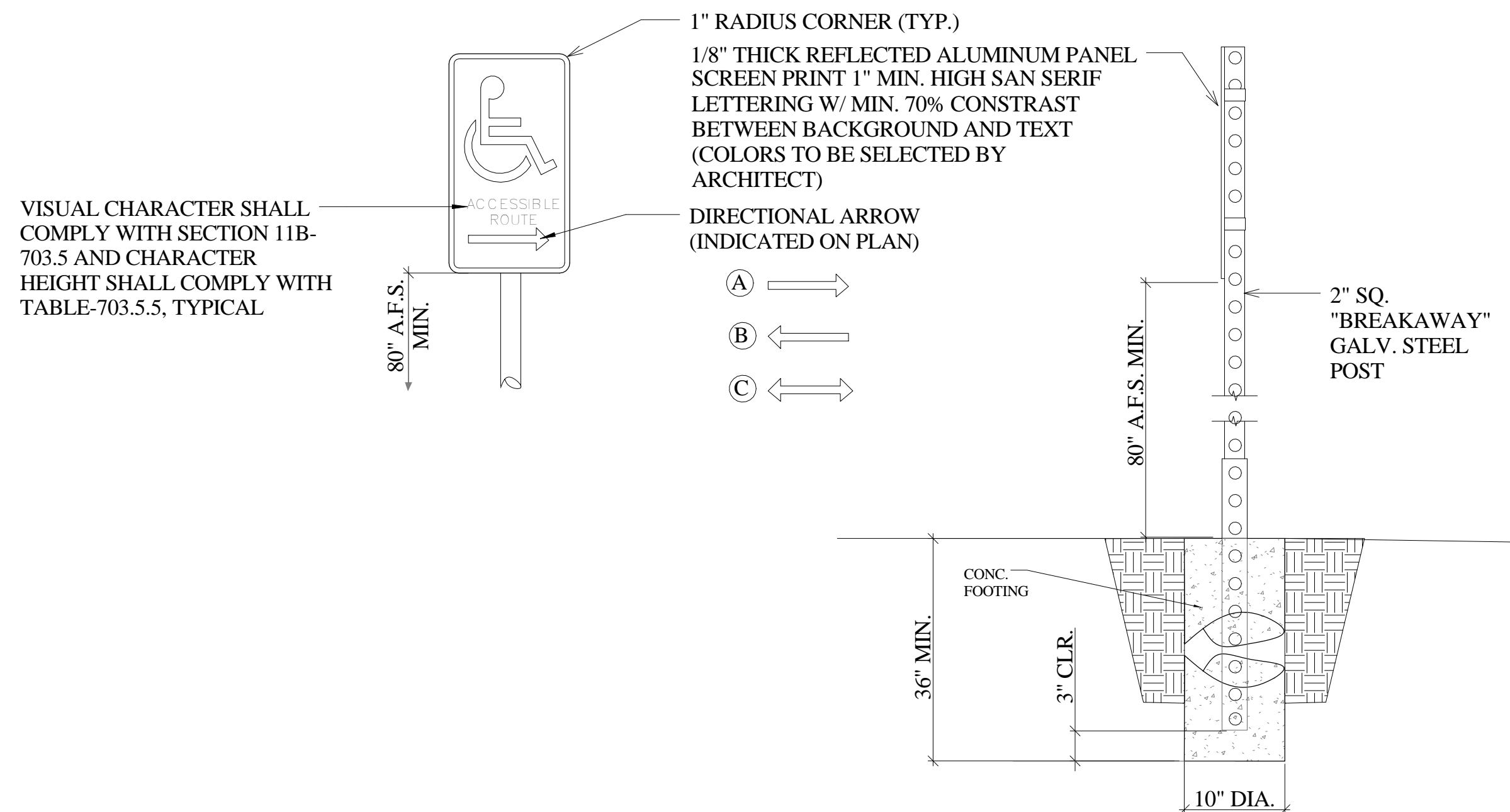
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SITE ACCESS DETAILS

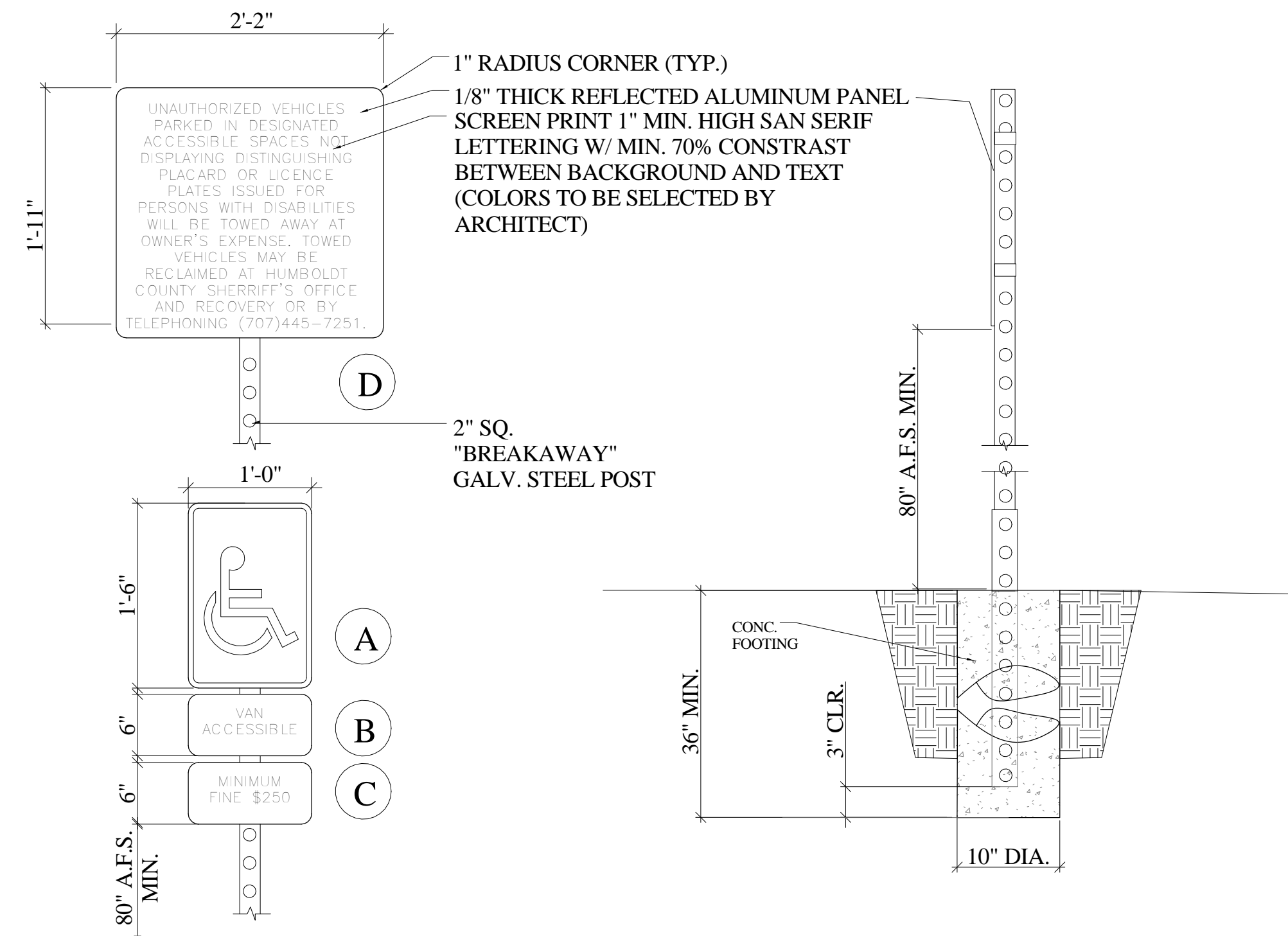
Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-3

Scale	As indicated
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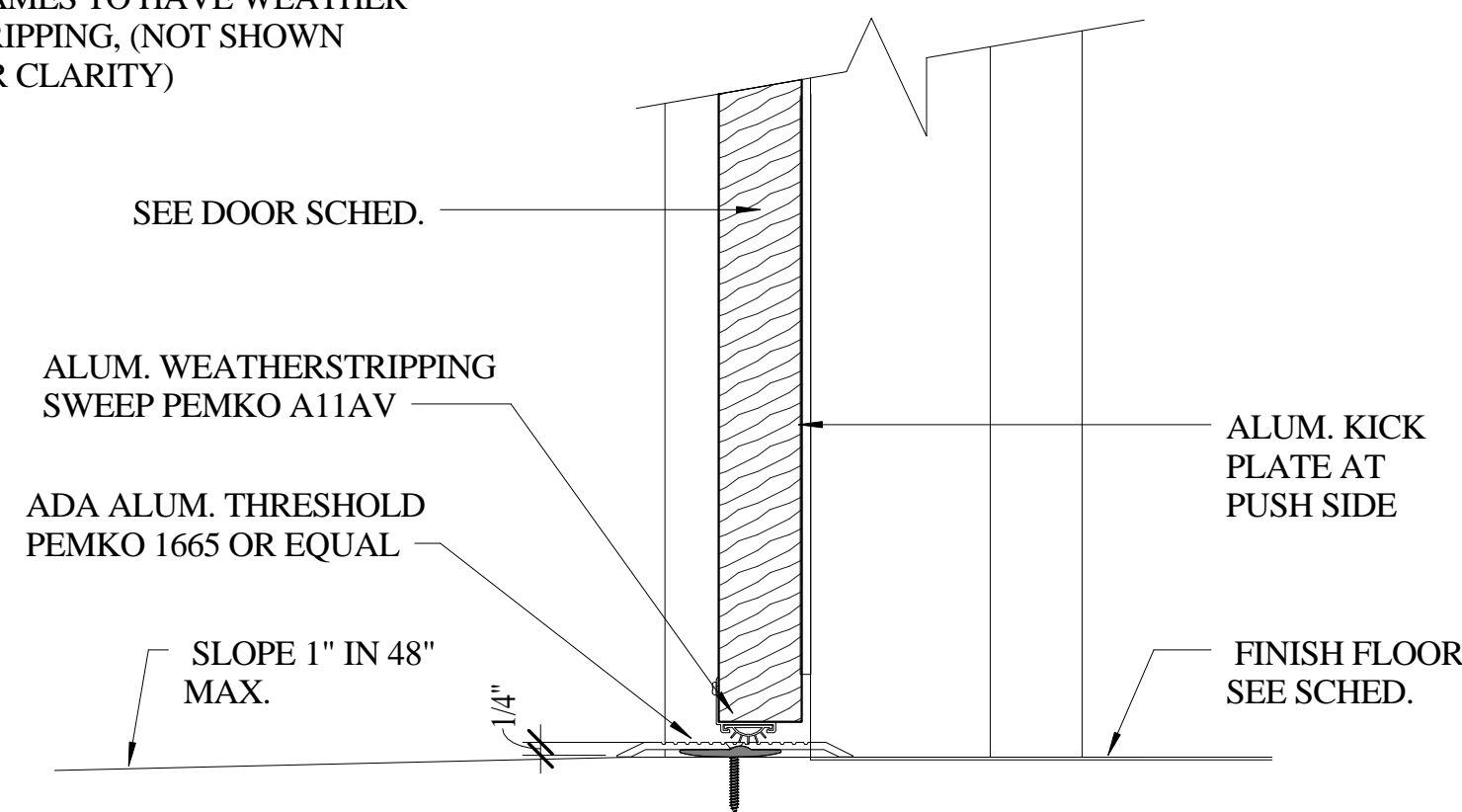
3
A-3 ADA DIRECTIONAL SIGNS
1" = 1'-0"



1
A-3 ADA PARKING SIGNS
1" = 1'-0"

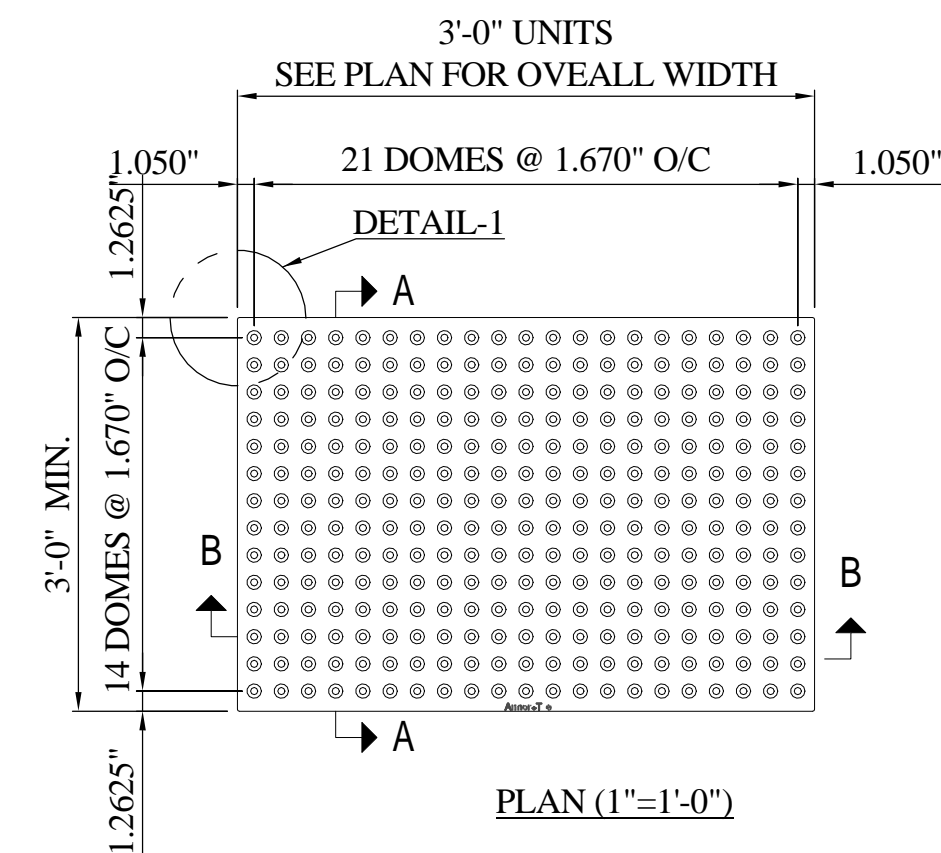
EXTERIOR

NOTE: EXTERIOR DOOR
FRAMES TO HAVE WEATHER
STRIPPING, (NOT SHOWN
FOR CLARITY)

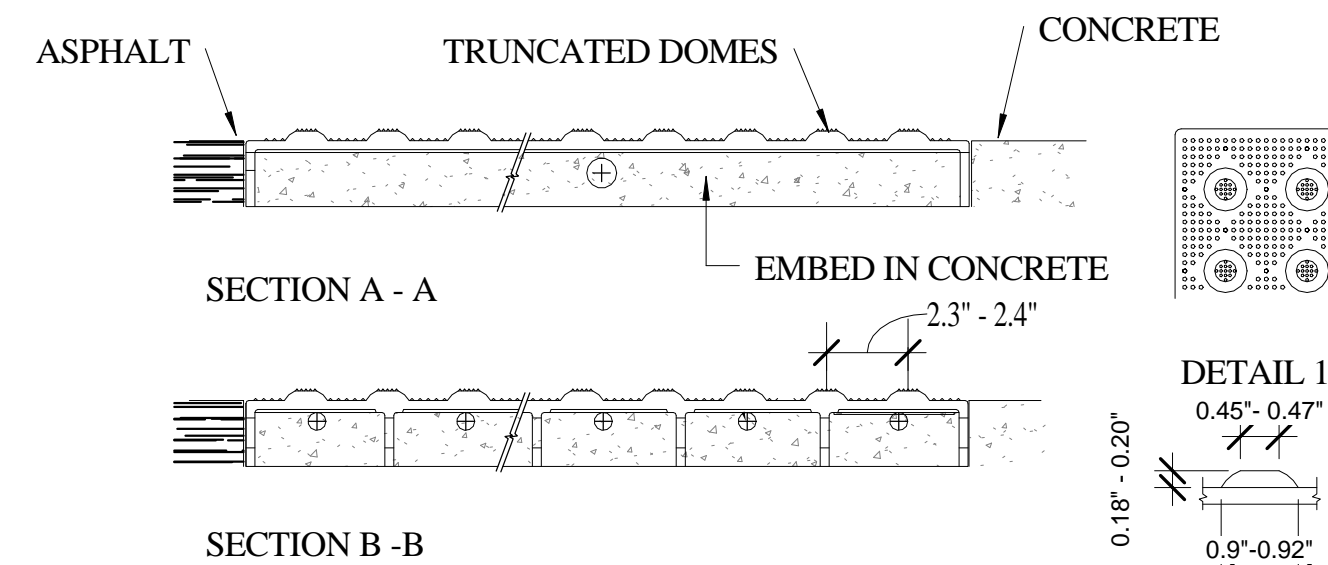


GENERAL NOTE:
CHANGE IN LEVEL BETWEEN 1/4" MIN.
AND 1/2" HIGH MAX. SHALL BE BEVELED
WITH A SLOPE NOT STEEPER THAN 1:2
PER 11B-303.3

INTERIOR

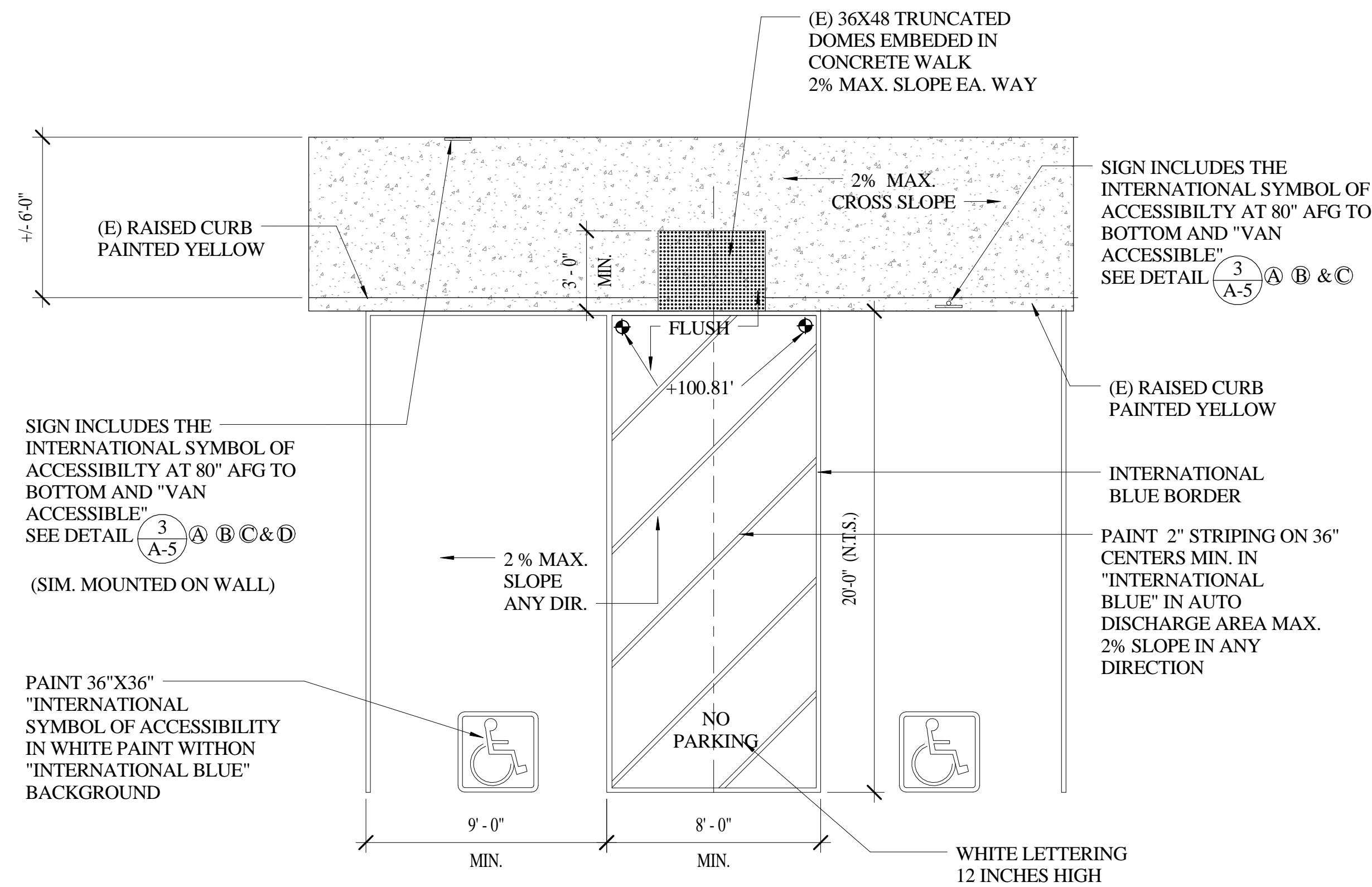


4 TRUNCATED DOMES
A-3 1" = 1'-0"

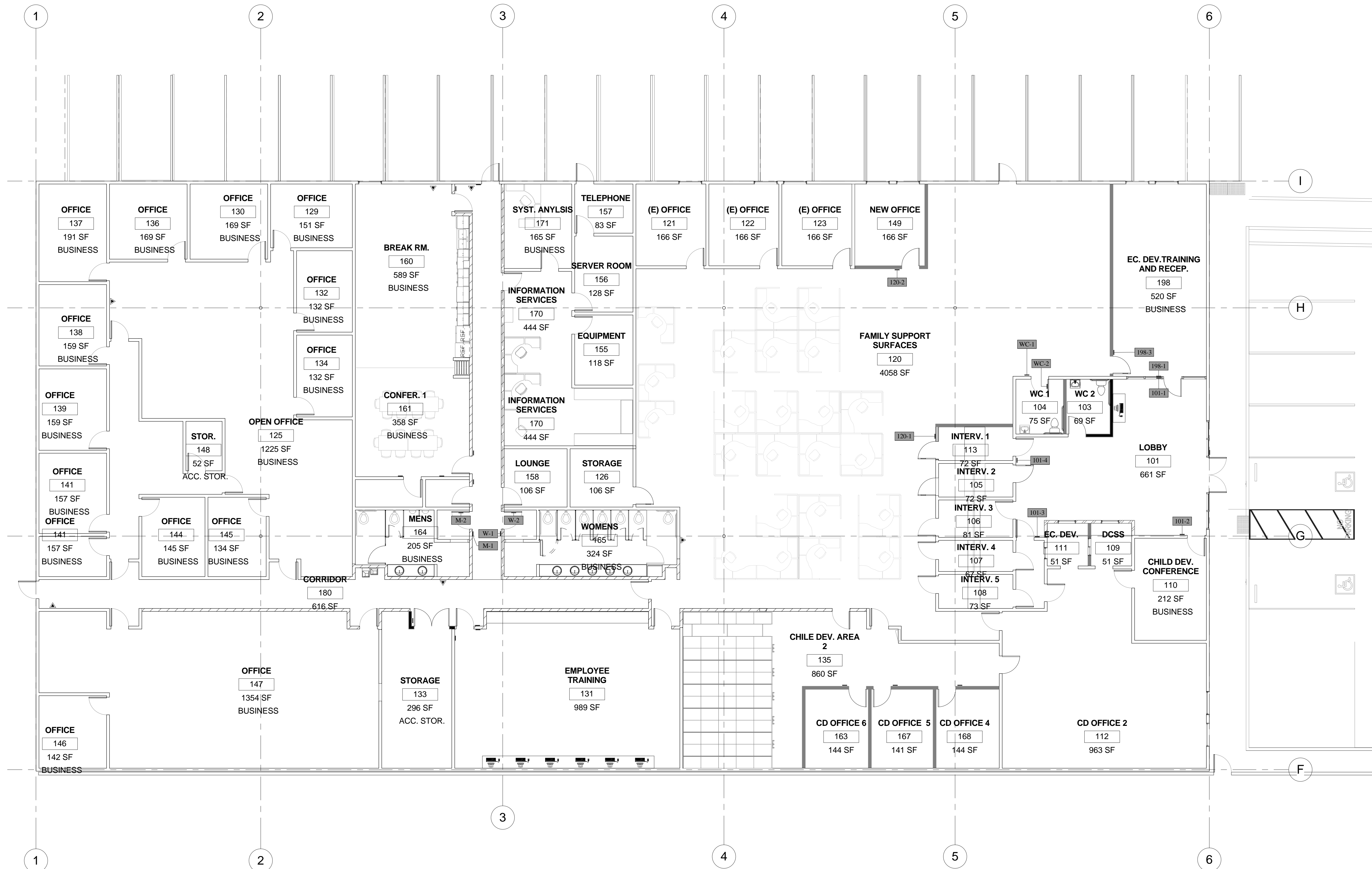


5 TRUNCATED DOMES SECTION
A-3 3" = 1'-0"

6 A-3	EXTERIOR DOOR THRESHOLD 3" = 1'-0"
----------	---------------------------------------

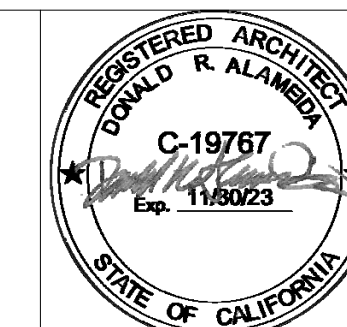


(E) ACC VAN PARKING
1/4" = 1'-0"



PROJECT
TENANT
IMPROVEMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET
EUREKA, CA

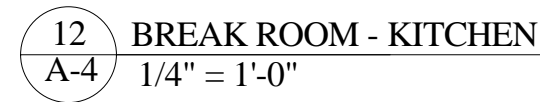
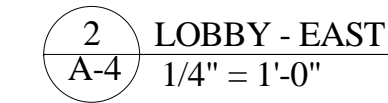
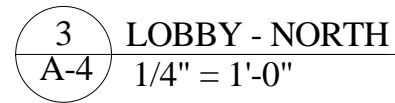
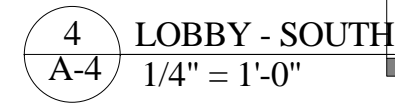
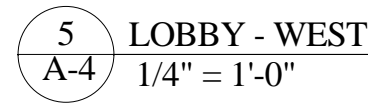
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ADA SIGNAGE PLAN

Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

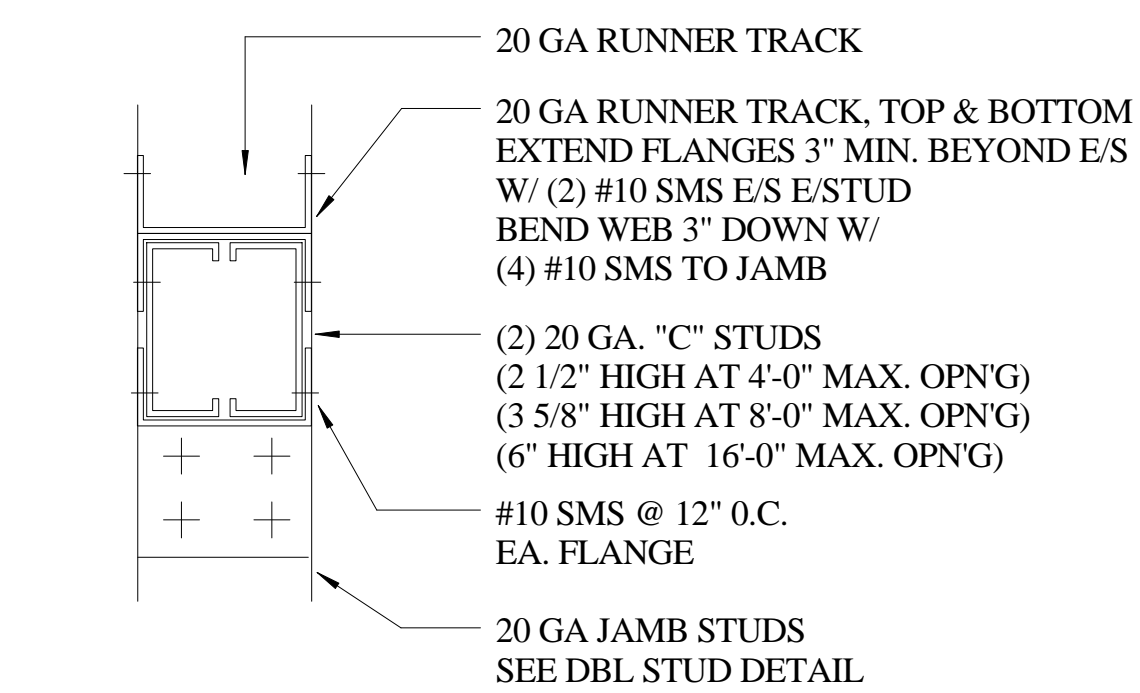
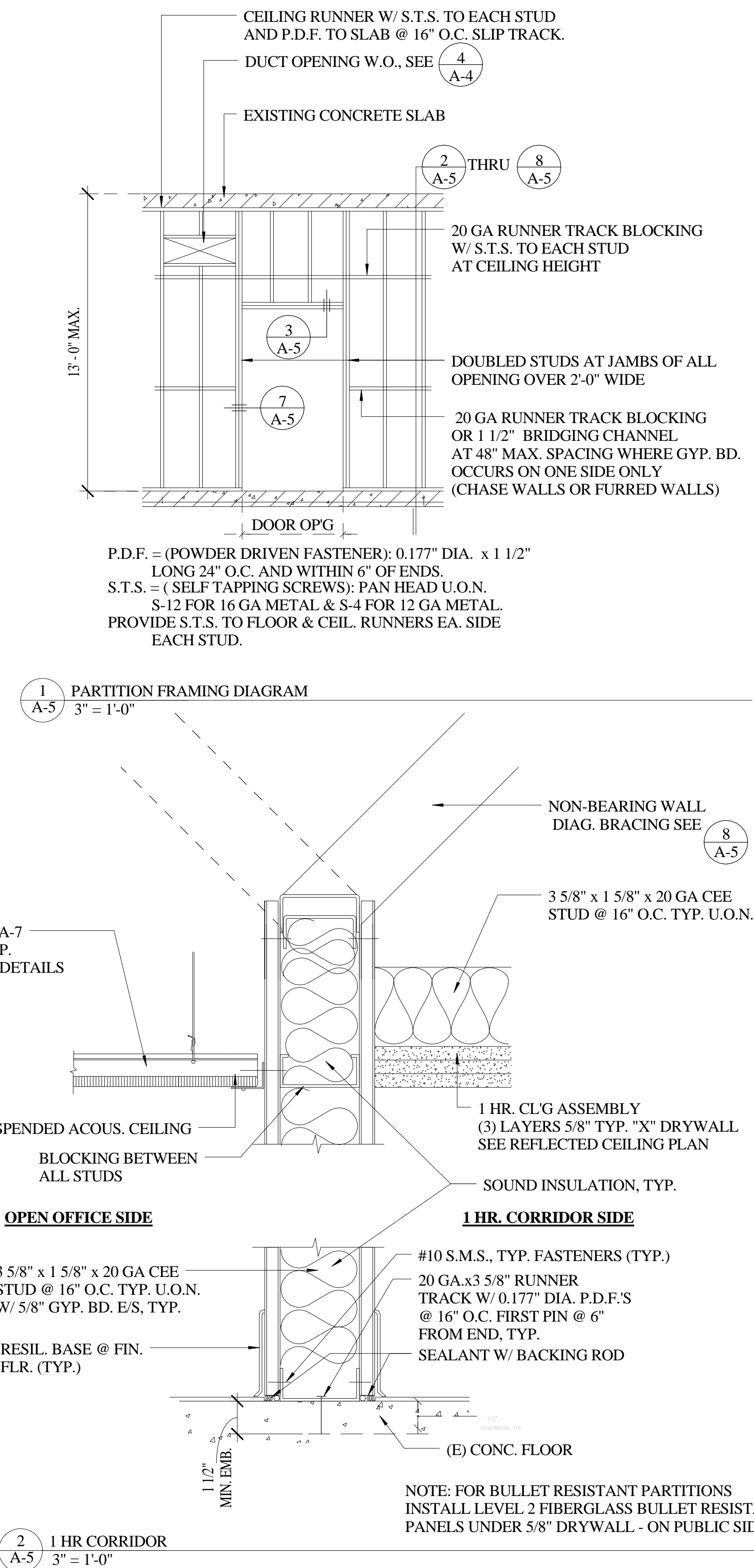
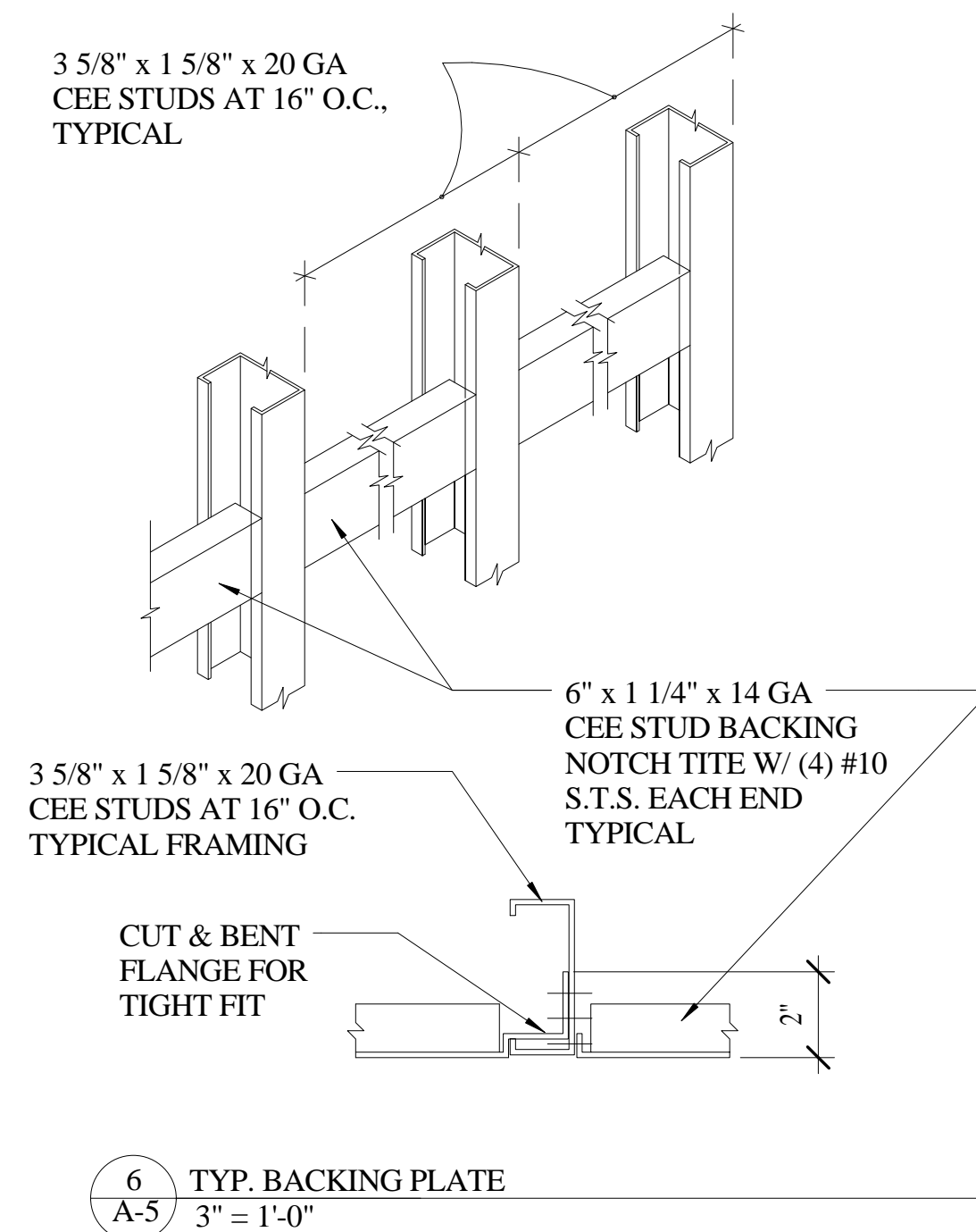
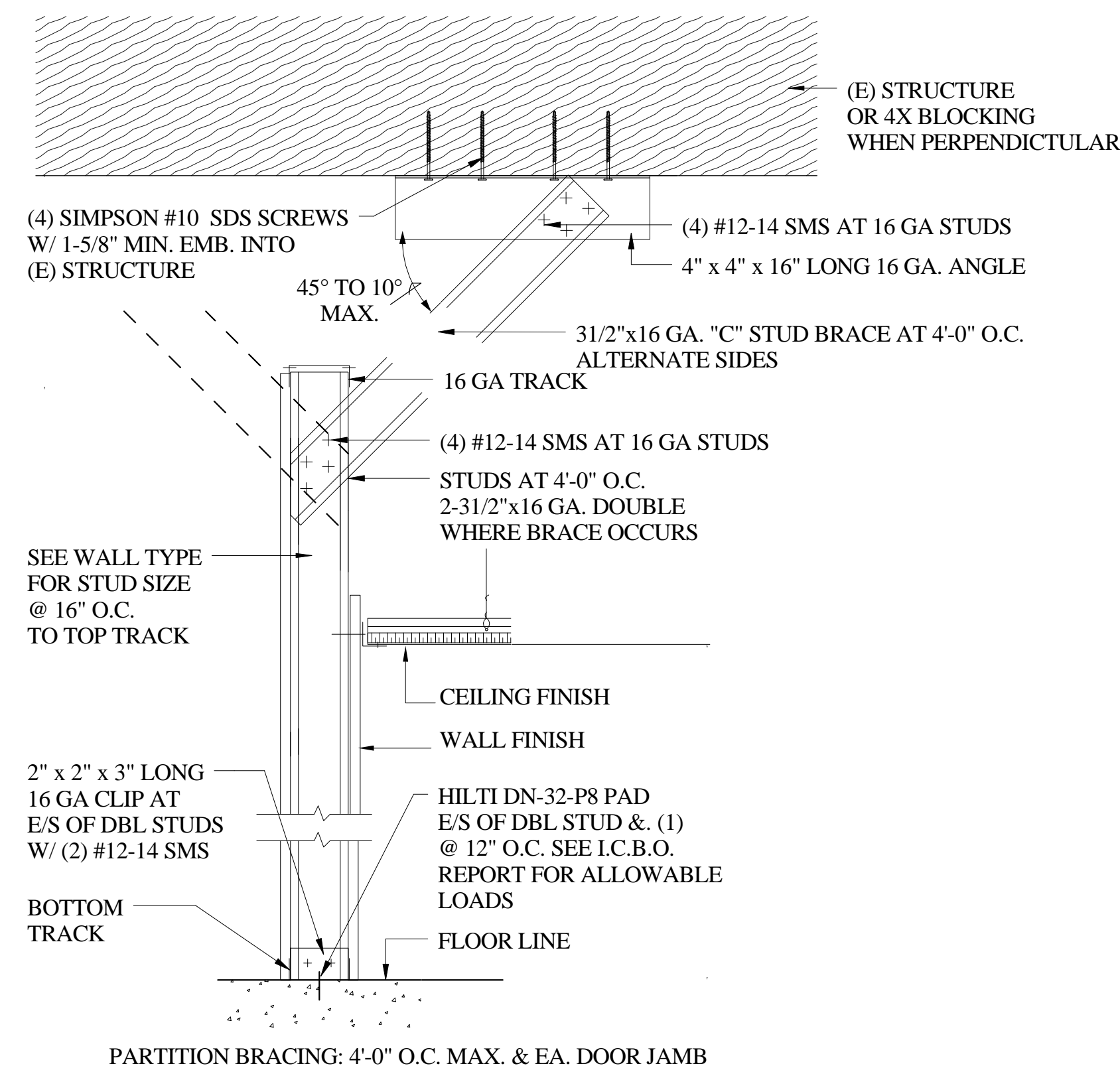
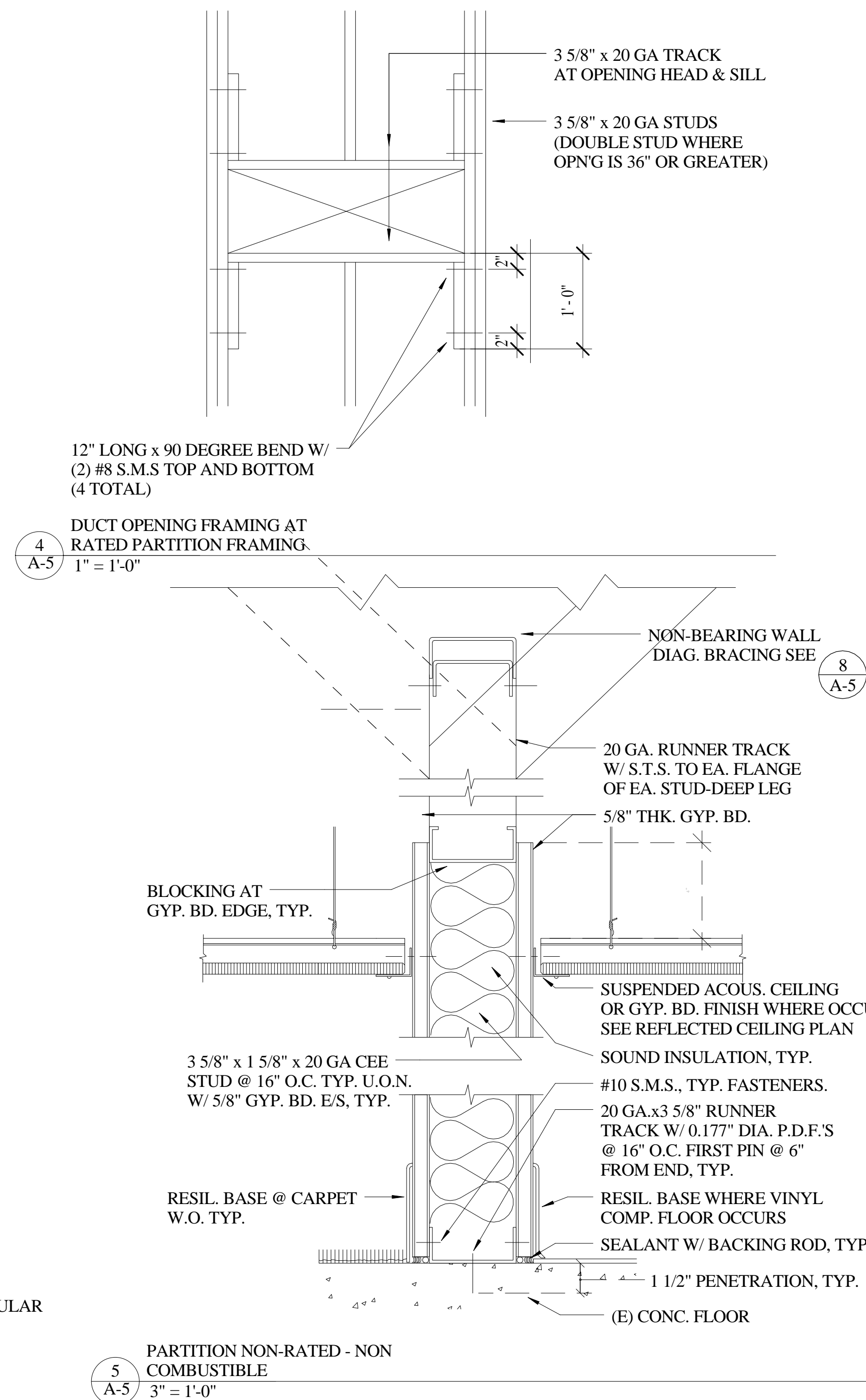
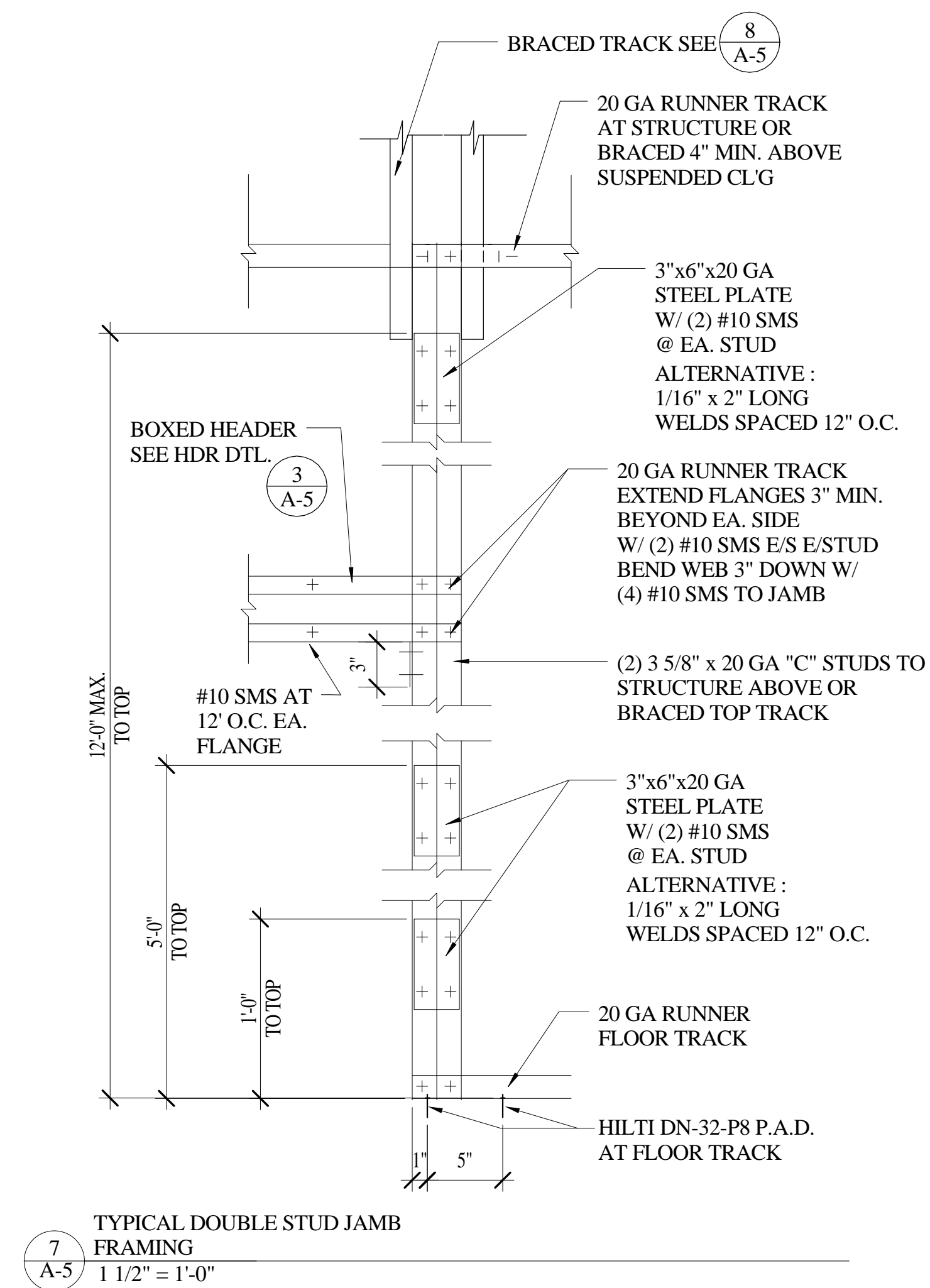
A-3.1

Scale	1/8" = 1'-0"
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REGISTERED ARCHITECT
DONALD R. ALAMEDA
C-19767
Exp. 11/30/23
STATE OF CALIFORNIA

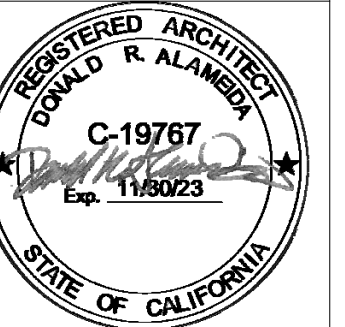
Scale	1/4" = 1'-0"
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PROJECT

TENANT
IMPROVEMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET
EUREKA, CA

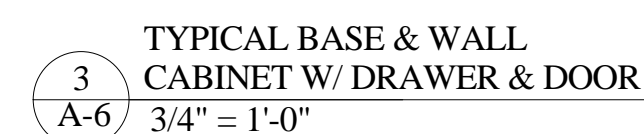
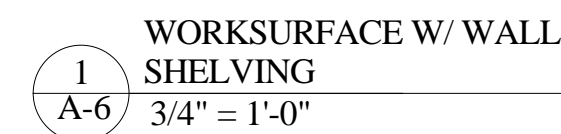
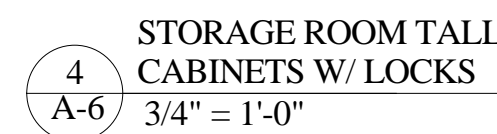
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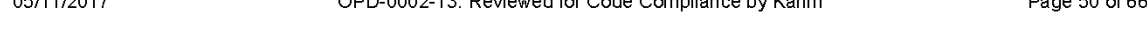
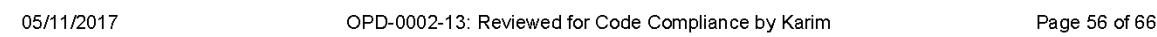
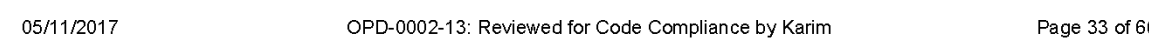
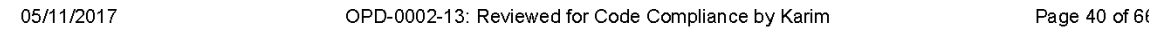
TYPICAL METAL STUD PARTITION CONSTRUCTION

Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-5

Scale	As indicated
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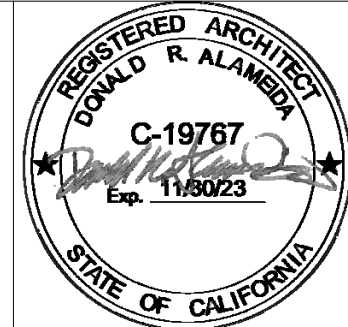




PROJECT

**TENANT
IMPROVEMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES**

2420 6TH STREET
EUREKA, CA

[illegible]

SUSPENDED ACCOUSTICAL CEILING DETAILS

Project number	2108
Date	10/14/23
Drawn by	DRA
Checked by	DRA

A-7.1

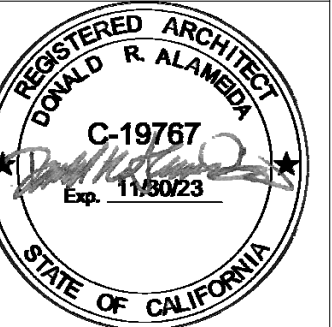
Sca



PROJECT

TENANT IMPROVEMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES

2420 6TH STREET
EUREKA, CA

[illegible]

SUSPENDED
DRYWALL CEILING
WHERE PARTIALLY
JOISTED

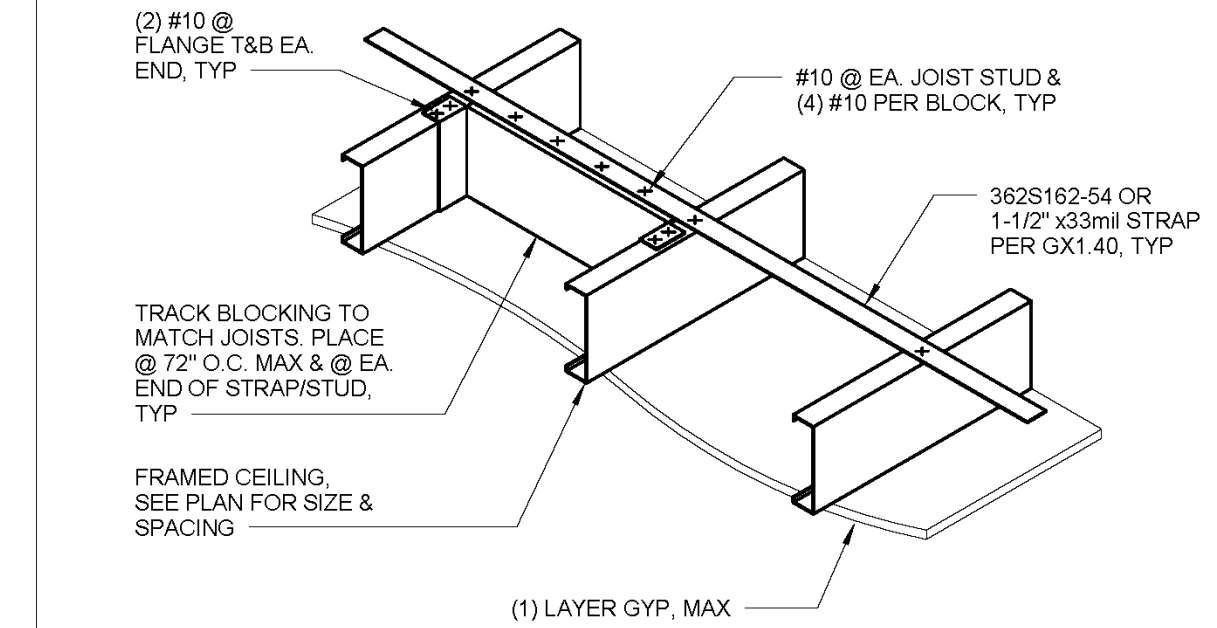
Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-7.4

Scale

6/10/2025 9:54:11 AM

5/9/2017 9:07:27 AM



CEILING JOIST - FINISH ONE SIDE ONLY

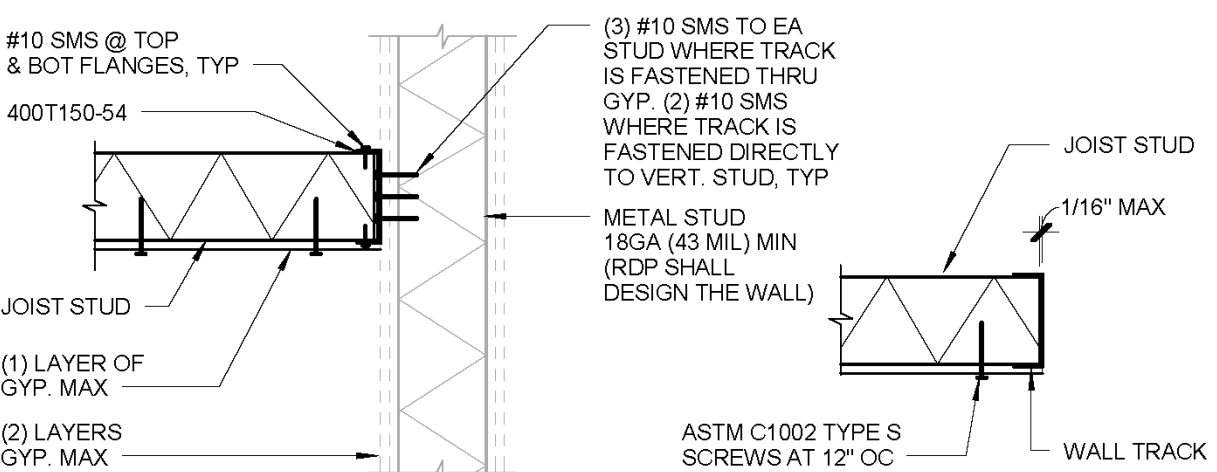
Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS		OPD No:
Sheet Title : JOISTED GYP BOARD CEILING BLOCKING DETAIL		CJ2.10

05/11/2017

OPD-0003-13: Reviewed for Code Compliance by Karim

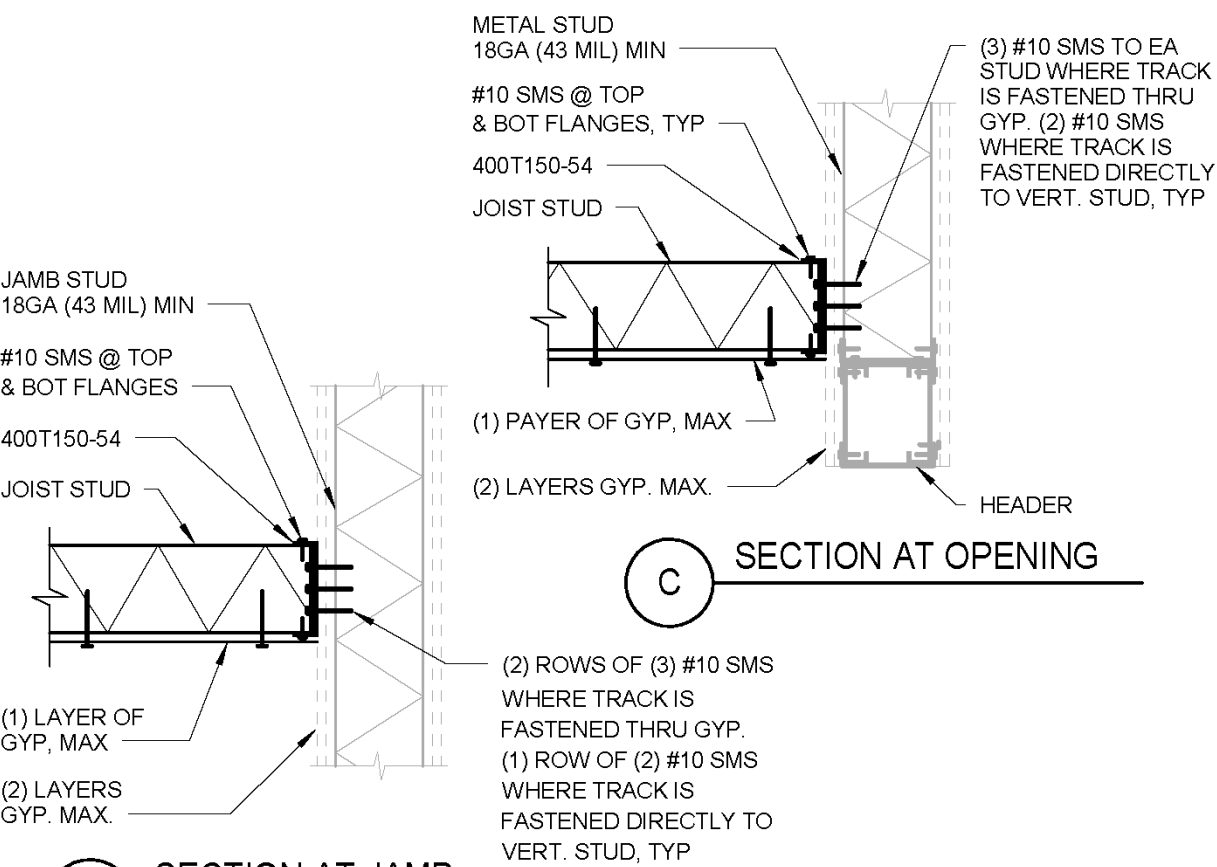
Page 71 of 75

5/9/2017 9:07:27 AM



A SECTION AT TYP. STUD

D GYP BOARD ATTACHMENT



B SECTION AT JAMB

C SECTION AT OPENING

Section Title : OSHPD STANDARD GYPSUM BOARD CEILING DETAILS			OPD No:
Sheet Title : JOISTED GYP BOARD CEILING CONNECTIONS			CJ2.30

05/11/2017

OPD-0003-13: Reviewed for Code Compliance by Karim

Page 73 of 75

FINISH MATERIALS LEGEND					
CODE	SURFACE	PRODUCT	MANUFACTURER	STYLE	COLOR
F1	FLOOR	LUXURY SHEET VINYL	ARMSTRONG	NATURAL CREATIONS NA193	AVILA OAK, VIENNE SMOKE
F3	FLOOR	LUXURY SHEET VINYL	ARMSTRONG		
W1	WALL	FIELD PAINT PAINT	BENJAMIN MOORE	# 1590	
AW1	WALL	ACCENT WALL PAINT	BENJAMIN MOORE	# 1592	
B1	BASE	RUBBER BASE	BURKE	727	THUNDER
B2	BASE	COVED	SEE FLOOR TYPE		
T1	TRIM	TRIM PAINT	BENJAMIN MOORE	# 1590	
C1	CEILING	ACUSTICAL TILE	ARMSTRONG	MATCH EXISTING	
C2	CEILING	PAINTED DRYWALL	BENJAMIN MOORE	# 1590	
P LAM 1	CASEWORK	PLASTIC LAMINATE	FORMICA	9285-58	SENGE BLANC - MATTE
P LAM 2	CASEWORK	PLASTIC LAMINATE	FORMICA	6307-58	BURNT STRAND - MATTE
P LAM 3	CASEWORK	PLASTIC LAMINATE	FORMICA	912C-58	STORM MATTE/ COLOR CORE

ROOM FINISH SCHEDULE										
NUMBER	NAME	BASE	FLOOR CODE	EAST WALL	SOUTH WALL	WEST WALL	NORTH WALL	CEILING	CEILING HEIGHT	COMMENTS
101	LOBBY	B-1	F-1	G.B. / W1	G.B./AW1	G..B. / P.T.	W1	C1	11'-11"	
102	ECD OFFICE 1	B-1	F-2	G.B. / W1	G.B. / W1	G..B. / W1	G.B. / AW1	C1	9'-0"	
103	WC 2	B-1	B-2	G.B. / PT	G.B. / PT	G..B. / PT.	G.B./PT	C1	9'-0"	
104	WC 1	B-1	B-2	G.B. / W1	G.B. / W1	G..B. / PT.	G.B./PT	C1	9'-0"	
105	INTERV. 2	B-1	F-1	G.B. / W1	G.B. / W1	G..B. / PT.	G.B./PT	C1	11'-11"	
106	INTERV. 3	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
107	INTERV. 4	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
108	INTERV. 5	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
109	DCSS	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / P.T.	G.B./PT	G.B. / PT.	EXISTING	
110	CHILD DEV. CONFERENCE	B-1	F-1	W1	STR. FRONT	STR. FRONT	W1	C1	EXISTING	
111	EC. DEV.	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / P.T.	G.B./PT	C1	EXISTING	BULLET RESIST. PARTITION
112	CD OFFICE 2	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / P.T.	G.B./PT	EXISTING	EXISTING	
112	CHILD DEV OPEN OFFICE	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / P.T.	G.B./PT	EXISTING	EXISTING	
113	INTERV. 1	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / P.T.	G.B./PT	EXISTING	EXISTING	
120	FAMILY SUPPORT SURFACES	B-1	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
121	(E) OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
122	(E) OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
123	(E) OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	C1	EXISTING	
124	CUST.	B-1	F-1	G.B. / W1	G.B. / W1	G..B. / W1	G.B. / W1	C1	11'-11"	
125	OPEN OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
126	STORAGE									
129	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
130	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
131	EMPLOYEE TRAINING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
132	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
133	STORAGE	B-1	F-1	W1	W1	W1	W1	C1	11'-11"	
134	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
135	CHILE DEV. AREA 2	B-1	F-1	W1	G.B. / PT	G..B. / P.T.	G.B./PT	G.B. / PT.	EXISTING	
136	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
137	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
138	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
139	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
140	RECEPT.	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
141	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
142	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
144	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
145	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
146	OFFICE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
147	OFFICE	B-1	F-1	G.B. / W1	G.B. / W1	G..B. / W1	G.B. / W1	C1	11'-11"	
148	STOR.	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
149	NEW OFFICE	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / PT.	G.B./PT	EXISTING	EXISTING	
155	EQUIPMENT	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
156	SERVER ROOM	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
157	TELEPHONE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
158	LOUNGE	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
160	BREAK RM.	B-1	F-1	G.B. / W1	G.B. / W1	G..B. / W1	G.B. / W1	C1	11'-11"	
161	CONFER. 1	B-1	F-1	G.B. / W1.	G.B. / W1	G..B. / W1	G.B. / W1	G.B. / PT.	11'-11"	
162	CONF. STOR.	B-1	F-1	G.B. / W1	G.B. / W1	G..B. / W1	G.B. / W1	C1	11'-11"	
163	CD OFFICE 6	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / P.T.	G.B./PT	G.B. / PT.	EXISTING	
164	MENS	(E) TILE	(E) TILE	W1	EXISTING	W1	W1	W1	11'-11"	PATCH / REPLACEIN KIND
165	WOMENS	(E) TILE	(E) TILE	W1	EXISTING	W1	W1	W1	11'-11"	PATCH / REPLACEIN KIND
167	CD OFFICE 5	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / P.T.	G.B./PT	G.B. / PT.	EXISTING	
168	CD OFFICE 4	B-1	F-1	G.B. / W1	G.B. / PT	G..B. / P.T.	G.B./PT	G.B. / PT.	EXISTING	
169	CD OFFICE 3	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / P.T.	G.B./PT	G.B. / PT.	EXISTING	
170	INFORMATION SERVICES	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	G.B. / AW1	EXISTING	EXISTING	
171	SYST. ANYLSIS	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	
176	CD OFFICE 1	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / P.T.	G.B./PT	EXISTING	EXISTING	
180	CORRIDOR	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	(E) FIRE RATED CEILING 1-HOUR
181	CORRIDOR	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	(E) FIRE RATED CEILING 1-HOUR
187	(E) VEST.	EXISTING	EXISTING	G.B. / PT	EXISTING	G..B. / P.T.	EXISTING	EXISTING	EXISTING	
198	EC. DEV.TRAINING AND RECEP.	B-1	F-1	G.B. / PT	G.B. / PT	G..B. / PT.	G.B./PT	C1	11'-11"	

PROJECT MANAGEMENT

ALAMEIDA
ARCHITECTURE

CONSTRUCTION MANAGEMENT

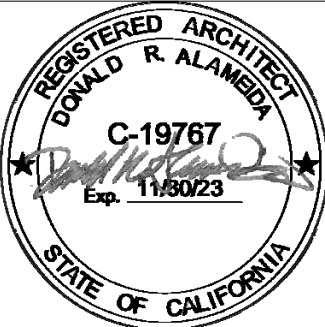
555 S. MAIN STREET, SUITE 2
SEBASTOPOL, CA 95472
(707) 824-1219
WWW.ALAMEIDA.COM



PROJECT

TENANT
IMPROVEMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET
EUREKA, CA

[illegible]

ROOM SCHEDULE

Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

A-8

Scale $1/4" = 1'-0"$



2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

Y = YES
N/A = NOT APPLICABLE
RESPON. PARTY = RESPONSIBLE PARTY (ie: ARCHITECT, ENGINEER, OWNER, CONTRACTOR, INSPECTOR ETC.)

N/A	RESPON- PARTY		N/A	RESPON- PARTY																																																																																				
		<p>1. Where there is insufficient electrical supply.</p> <p>2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.</p>																																																																																						
		<table border="1" style="width: 100%; border-collapse: collapse;"> <caption>TABLE 5.106.5.3.3</caption> <thead> <tr> <th>TOTAL NUMBER OF PARKING SPACES</th> <th>NUMBER OF REQUIRED SPACES</th> </tr> </thead> <tbody> <tr><td>0-9</td><td>0</td></tr> <tr><td>10-25</td><td>1</td></tr> <tr><td>26-50</td><td>2</td></tr> <tr><td>51-75</td><td>4</td></tr> <tr><td>76-100</td><td>5</td></tr> <tr><td>101-150</td><td>7</td></tr> <tr><td>151-200</td><td>10</td></tr> <tr> <td>201 AND OVER</td> <td>6% of total¹</td> </tr> </tbody> </table> <p>1. Calculation for spaces shall be rounded up to the nearest whole number.</p> <p>5.106.5.3.4 [N] Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The roadway termination location shall be permanently and visibly marked as "EV CAPABLE".</p> <p>5.106.5.3.5 [N] Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.</p>	TOTAL NUMBER OF PARKING SPACES	NUMBER OF REQUIRED SPACES	0-9	0	10-25	1	26-50	2	51-75	4	76-100	5	101-150	7	151-200	10	201 AND OVER	6% of total ¹																																																																				
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		<p>5.106.8 LIGHT POLLUTION REDUCTION. [N]. Outdoor lighting systems shall be designed and installed to comply with the following:</p> <ol style="list-style-type: none"> The minimum requirements in the California Energy Code for Lighting Zones 0-4 as defined in Chapter 10, Section 10-114 of the California Administrative Code; and Backlight (B) ratings as defined in IES TM-15-11 (shown in Table A-1 in Chapter 8); Uplight and Glare ratings as defined in California Energy Code (shown in Tables 130.2-A and 130.2-B in Chapter 8) and Allowable BUG ratings not exceeding those shown in Table 5.106.8, [N] or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent. <p>Exceptions: [N]</p> <ol style="list-style-type: none"> Luminaires that qualify as exceptions in Section 140.7 of the California Energy Code. Emergency lighting. Building facade meeting the requirements in Table 140.7-B of the California Energy Code, Part 6. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction. <p>Note: [N]</p> <ol style="list-style-type: none"> See also California Building Code, Chapter 12, Section 1205.6 for college campus lighting requirements for parking facilities and walkways. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for IES TM-15-11 Table A-1, California Energy Code Tables 130.2-A and 130.2-B. Refer to the California Building Code for requirements for additions and alterations. 																																																																																						
		<table border="1" style="width: 100%; border-collapse: collapse;"> <caption>TABLE 5.106.8 [N] MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT AND GLARE (BUG) RATINGS^{1,2}</caption> <thead> <tr> <th>ALLOWABLE RATING</th> <th>LIGHTING ZONE L20</th> <th>LIGHTING ZONE L21</th> <th>LIGHTING ZONE L22</th> <th>LIGHTING ZONE L23</th> <th>LIGHTING ZONE L24</th> </tr> </thead> <tbody> <tr> <td colspan="6">MAXIMUM ALLOWABLE BACKLIGHT RATING³</td></tr> <tr> <td>Luminaire greater than 2 mounting heights (MH) from property line</td><td>N/A</td><td>No Limit</td><td>No Limit</td><td>No Limit</td><td>No Limit</td></tr> <tr> <td>Luminaire back hemisphere is 1-2 MH from property line</td><td>N/A</td><td>B2</td><td>B3</td><td>B4</td><td>B4</td></tr> <tr> <td>Luminaire back hemisphere is 0.5-1 MH from property line</td><td>N/A</td><td>B1</td><td>B2</td><td>B3</td><td>B3</td></tr> <tr> <td>Luminaire back hemisphere is less than 0.5 MH from property line</td><td>N/A</td><td>B0</td><td>B0</td><td>B1</td><td>B2</td></tr> <tr> <td colspan="6">MAXIMUM ALLOWABLE UPLIGHT RATING (U)</td></tr> <tr> <td>For area lighting⁴</td><td>N/A</td><td>U0</td><td>U0</td><td>U0</td><td>U0</td></tr> <tr> <td>For all other outdoor lighting, including decorative luminaires</td><td>N/A</td><td>U1</td><td>U2</td><td>U3</td><td>UR</td></tr> <tr> <td colspan="6">MAXIMUM ALLOWABLE GLARE RATING⁵ (G)</td></tr> <tr> <td>Luminaire greater than 2 MH from property line</td><td>N/A</td><td>G1</td><td>G2</td><td>G3</td><td>G4</td></tr> <tr> <td>Luminaire front hemisphere is 1-2 MH from property line</td><td>N/A</td><td>G0</td><td>G1</td><td>G1</td><td>G2</td></tr> <tr> <td>Luminaire front hemisphere is 0.5-1 MH from property line</td><td>N/A</td><td>G0</td><td>G0</td><td>G1</td><td>G1</td></tr> <tr> <td>Luminaire back hemisphere is less than 0.5 MH from property line</td><td>N/A</td><td>G0</td><td>G0</td><td>G0</td><td>G1</td></tr> </tbody> </table> <p>1. IESNA Lighting Zones 0 and 5 are not applicable; refer to Lighting Zones as defined in the California Energy Code and Chapter 10 of the California Administrative Code.</p> <p>2. For property lines that abut public walkways, bikeways, plazas and parking lots, the property line may be considered to be 5 feet beyond the actual property line for purpose of determining compliance with this section. For property lines that abut public roadways and public transit corridors, the property line may be considered to be the centerline of the public roadway or public transit corridor for the purpose of determining compliance with this section.</p> <p>3. If the nearest property line is less than or equal to two mounting heights from the back hemisphere of the luminaire distribution, the applicable reduced Backlight rating shall be met.</p> <p>4. General lighting luminaires in areas such as outdoor parking, sales or storage lots shall meet these reduced ratings. Decorative luminaires located in these areas shall meet U-value limits for "all other outdoor lighting".</p> <p>5. If the nearest property line is less than or equal to two mounting heights from the front hemisphere of the luminaire distribution, the applicable reduced Glare rating shall be met.</p>	ALLOWABLE RATING	LIGHTING ZONE L20	LIGHTING ZONE L21	LIGHTING ZONE L22	LIGHTING ZONE L23	LIGHTING ZONE L24	MAXIMUM ALLOWABLE BACKLIGHT RATING³						Luminaire greater than 2 mounting heights (MH) from property line	N/A	No Limit	No Limit	No Limit	No Limit	Luminaire back hemisphere is 1-2 MH from property line	N/A	B2	B3	B4	B4	Luminaire back hemisphere is 0.5-1 MH from property line	N/A	B1	B2	B3	B3	Luminaire back hemisphere is less than 0.5 MH from property line	N/A	B0	B0	B1	B2	MAXIMUM ALLOWABLE UPLIGHT RATING (U)						For area lighting ⁴	N/A	U0	U0	U0	U0	For all other outdoor lighting, including decorative luminaires	N/A	U1	U2	U3	UR	MAXIMUM ALLOWABLE GLARE RATING⁵ (G)						Luminaire greater than 2 MH from property line	N/A	G1	G2	G3	G4	Luminaire front hemisphere is 1-2 MH from property line	N/A	G0	G1	G1	G2	Luminaire front hemisphere is 0.5-1 MH from property line	N/A	G0	G0	G1	G1	Luminaire back hemisphere is less than 0.5 MH from property line	N/A	G0	G0	G0	G1		
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		<p>5.106.10 GRADING AND PAVING. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:</p> <ol style="list-style-type: none"> Swales. Water collection and disposal systems. French drains. Water retention gardens. Other water measures which keep surface water away from buildings and aid in groundwater recharge. <p>Exception: Additions and alterations not altering the drainage path.</p>																																																																																						

Y	NA	RESPON PARTY	
<input checked="" type="checkbox"/>			<p>5.106.12 SHADE TREES [DSA-SS]. Shade Trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.</p> <p>5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50 percent of the parking area within 15 years.</p> <p>Exceptions: The surface parking area covered by solar photovoltaic shade structures, or shade structures, with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculations.</p> <p>5.106.12.2 Landscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade of 20% of the landscape area within 15 years.</p> <p>Exceptions: Playfields for organized sport activity are not included in the total area calculation.</p> <p>5.106.12.3. Hardscape areas. Shade tree plantings, minimum #10 container size or equal shall be installed to provide shade over 20 percent of the hardscape area within 15 years.</p> <p>Exceptions: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.</p>
			<p>DIVISION 5.2 ENERGY EFFICIENCY</p> <p>SECTION 5.201 GENERAL</p> <p>5.201.1 Scope [BSC-CG]. <i>California Energy Code (DSA-SS).</i> For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory building standards.</p> <p>DIVISION 5.3 WATER EFFICIENCY AND CONSERVATION</p> <p>SECTION 5.301 GENERAL</p> <p>5.301.1 Scope. The provisions of this chapter shall establish the means of conserving water use indoors, outdoors and in wastewater conveyance.</p> <p>SECTION 5.302 DEFINITIONS</p> <p>5.302.1 Definitions. The following terms are defined in Chapter 2 <i>(and are included here for reference)</i></p> <p>EVAPOTRANSPIRATION ADJUSTMENT FACTOR [ETAF] [DSA-SS]. An adjustment factor when applied to reference evapotranspiration that adjusts for plant factors and irrigation efficiency, which as two major influences on the amount of water that needs to be applied to the landscape.</p> <p>FOOTPRINT AREA [DSA-SS]. The total area of the furthest exterior wall of the structure projected to natural grade, not including exterior areas such as stairs, covered walkways, patios and decks.</p> <p>METERING FAUCET. A self-closing faucet that dispenses a specific volume of water for each actuation cycle. The volume or cycle duration can be fixed or adjustable.</p> <p>GRAYWATER. Pursuant to Health and Safety Code Section 17922.12, "graywater" means untreated wastewater that has not been contaminated by any toilet discharge, has not been affected by infectious, contaminated, or unhealthy bodily wastes, and does not present a threat from contamination by unhealthful processing, manufacturing, or operating wastes. "Graywater" Includes, but is not limited to wastewater from bathtubs, showers, bathroom washbasins, clothes washing machines and laundry tubs, but does not include waste water from kitchen sinks or dishwashers.</p> <p>MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWEL0). The California ordinance regulating landscape design, installation and maintenance practices that will ensure commercial, multifamily and other developer installed landscapes greater than 2500 square feet meet an irrigation water budget developed based on landscape area and climatological parameters.</p> <p>MODEL WATER EFFICIENT LANDSCAPE ORDINANCE (MWEL0). [HCD] The California model ordinance (California Code of Regulations, Title 23, Division 2, Chapter 2.7), regulating landscape design, installation and maintenance practices. Local agencies are required to adopt the updated MWEL0, or adopt a local ordinance at least as effective as the MWEL0.</p> <p>POTABLE WATER. Water that is drinkable and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards. See definition in the California Plumbing Code, Part 5.</p> <p>POTABLE WATER [HCD]. Water that is satisfactory for drinking, culinary, and domestic purposes, and meets the U.S. Environmental Protection Agency (EPA) Drinking Water Standards and the requirements of the Health Authority Having Jurisdiction.</p> <p>RECYCLED WATER. Water which, as a result of treatment of waste, is suitable for a direct beneficial use or a controlled use that would not otherwise occur [Water Code Section 13050 (n)]. Simply put, recycled water is water treated to remove waste matter attaining a quality that is suitable to use the water again.</p> <p>SUBMETER. A meter installed subordinate to a site meter. Usually used to measure water intended for one purpose, such as landscape irrigation. For the purposes of CALGreen, a dedicated meter may be considered a submeter.</p> <p>WATER BUDGET. Is the estimated total landscape irrigation water use which shall not exceed the maximum applied water allowance calculated in accordance with the Department of Water Resources Model Efficient Landscape Ordinance (MWEL0).</p> <p>SECTION 5.303 INDOOR WATER USE</p> <p>5.303.1 METERS. Separate submeters or metering devices shall be installed for the uses described in Sections 503.1.1 and 503.1.2.</p> <p>5.303.1.1 Buildings in excess of 50,000 square feet. Separate submeters shall be installed as follows:</p> <ol style="list-style-type: none"> For each individual leased, rented or other tenant space within the building projected to consume more than 100 gals/day (380 L/day), including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop. Where separate submeters for individual building tenants are unfeasible, for water supplied to the following subsystems: <ol style="list-style-type: none"> Makeup water for cooling towers where flow through is greater than 500 gpm (30 L/s). Makeup water for evaporative coolers greater than 6 gpm (0.04 L/s). Steam and hot water boilers with energy input more than 500,000 Btu/h (147 kW). <p>5.303.1.2 Excess consumption. A separate submeter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day.</p> <p>5.303.3 WATER CONSERVING PLUMBING FIXTURES AND FITTINGS. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with all of the following:</p> <p>5.303.3.1 Water Closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Tank-Type toilets.</p> <p>Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.</p> <p>5.303.3.2 Urinals.</p> <p>5.303.3.2.1 Wall-mounted Urinals. The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush.</p> <p>5.303.3.2.2 Floor-mounted Urinals. The effective flush volume of floor-mounted or other urinals shall not exceed 0.5 gallons per flush.</p> <p>5.303.3.3 Showerheads. [BSC-CG]</p> <p>5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specification for Showerheads.</p> <p>5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all the showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the shower shall be designed to allow only one shower outlet to be in operation at a time.</p> <p>Note: A hand-held shower shall be considered a showerhead.</p>
<input checked="" type="checkbox"/>			<p>ARCH.</p>

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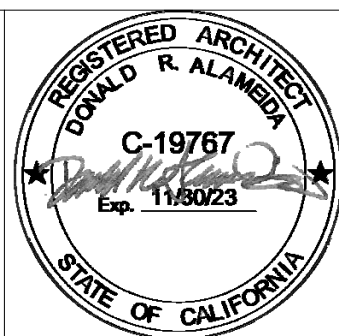
555 S. MAIN STREET, SUITE 2
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(707) 824-1219
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PROJECT

TENANT
IMPROVEMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET
EUREKA, CA

[illegible]

CAL GREEN CHECKLIST

Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

CG-1

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2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

PROJECT MANAGEMENT

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CONSTRUCTION MANAGEMENT

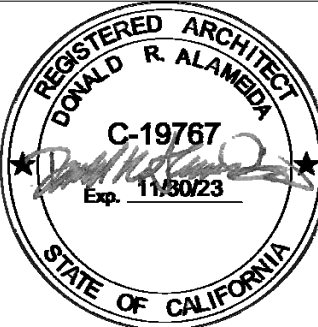
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2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

NONRESIDENTIAL MANDATORY MEASURES, SHEET 1 (January 2020, Includes August 2019 Supplement)

Y	N/A	RESPON. PARTY
X		G.C.

5.504.4 FINISH MATERIAL POLLUTANT CONTROL. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

5.504.4.1 Adhesives, sealants and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAGMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene and trichloroethylene), except for aerosol products as specified in subsection 2, below.

2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 - ADHESIVE VOC LIMIT _{1,2}	
Less Water and Less Exempt Compounds in Grams per Liter	
ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.
2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SCCURH-TMLR1168.PDF

TABLE 5.504.4.2 - SEALANT VOC LIMIT	
Less Water and Less Exempt Compounds in Grams per Liter	
SEALANTS	CURRENT VOC LIMIT
ARCHITECTURAL	250
MARINE DECK	760
NONMEMBRANE ROOF	300
ROADWAY	250
SINGLE-PLY ROOF MEMBRANE	450
OTHER	420
SEALANT PRIMERS	
ARCHITECTURAL	
NONPOROUS	250
POROUS	775
MODIFIED BITUMINOUS	500
MARINE DECK	760
OTHER	750

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

5.504.4.3.1 Aerosol Paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of *California Code of Regulations*, Title 17, commencing with Section 94520, and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

Y	N/A	RESPON. PARTY

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS _{1,2}	
GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS	
COATING CATEGORY	CURRENT VOC LIMIT
FLAT COATINGS	50
NONFLAT COATINGS	100
NONFLAT HIGH GLOSS COATINGS	150
SPECIALTY COATINGS	
ALUMINUM ROOF COATINGS	400
BASEMENT SPECIALTY COATINGS	400
BITUMINOUS ROOF COATINGS	50
BITUMINOUS ROOF PRIMERS	350
BOND BREAKERS	350
CONCRETE CURING COMPOUNDS	350
CONCRETE/MASONRY SEALERS	100
DRIVEWAY SEALERS	50
DRY FOG COATINGS	150
FAUX FINISHING COATINGS	350
FIRE RESISTIVE COATINGS	350
FLOOR COATINGS	100
FORM-RELEASE COMPOUNDS	250
GRAPHIC ARTS COATINGS (SIGN PAINTS)	500
HIGH-TEMPERATURE COATINGS	420
INDUSTRIAL MAINTENANCE COATINGS	250
LOW SOLIDS COATINGS ₁	120
MAGNESITE CEMENT COATINGS	450
MASTIC TEXTURE COATINGS	100
METALLIC PIGMENTED COATINGS	500
MULTICOLOR COATINGS	250
PRETREATMENT WASH PRIMERS	420
PRIMERS, SEALERS, & UNDERCOATERS	100
REACTIVE PENETRATING SEALERS	350
RECYCLED COATINGS	250
ROOF COATINGS	50
RUST PREVENTATIVE COATINGS	250
SHELLACS:	
CLEAR	730
OPAQUE	550
SPECIALTY PRIMERS, SEALERS & UNDERCOATERS	100
STAINS	250
STONE CONSOLIDANTS	450
SWIMMING POOL COATINGS	340
TRAFFIC MARKING COATINGS	100
TUB & TILE REFINISH COATINGS	420
WATERPROOFING MEMBRANES	250
WOOD COATINGS	275
WOOD PRESERVATIVES	350
ZINC-RICH PRIMERS	340

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS
2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN THE TABLE.
3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2006. MORE INFORMATION IS AVAILABLE FROM THE AIR RESOURCES BOARD.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification
2. Field verification of on-site product containers

5.504.4.4 Carpet Systems. All carpet installed in the building interior shall meet at least one of the testing and product requirements:

1. Carpet and Rug Institute's Green Label Plus Program.
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350).
3. NSF/ANSI 140 at the Gold level or higher.
4. Scientific Certifications Systems Sustainable Choice; or
5. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria listed in the CHPS High Performance Product Database.

5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute Green Label program.

5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

5.504.4.5 Composite wood products. Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table 5.504.4.5.

5.504.4.5.3 Documentation. Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following:

1. Product certifications and specifications.
2. Chain of custody certifications.
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR, Title 17, Section 93120, et seq.).
4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered Wood Association, the Australian AS/NZS 2289 or European 636 3S standards.
5. Other methods acceptable to the enforcing agency.

Y	N/A	RESPON. PARTY

TABLE 5.504.4.5 - FORMALDEHYDE LIMITS ₁	
MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION	
PRODUCT	CURRENT LIMIT
HARDWOOD PLYWOOD VENEER CORE	0.05
HARDWOOD PLYWOOD COMPOSITE CORE	0.05
PARTICLE BOARD	0.09
MEDIUM DENSITY FIBERBOARD	0.11
THIN MEDIUM DENSITY FIBERBOARD ₂	0.13

1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1353. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.

2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
3. Compliant with the Collaborative for High Performance Schools California (2014 CA-CHPS) Criteria and listed in the CHPS High Performance Product Database; or
4. Products certified under UL GREENGUARD Gold (formerly the Greenguard Children's & Schools Program).

5.504.4.6.1 Verification of compliance. Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exceptions: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

X		G.C.
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5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

X		G.C.
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SECTION 5.505 INDOOR MOISTURE CONTROL
5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code, CCB, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures, see Section 5.407.2 of this code.

X		G.C.
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SECTION 5.506 INDOOR AIR QUALITY
5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements for Ventilation) of the *California Energy Code*, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCB, Title 8.

X		
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5.506.2 CARBON DIOXIDE (CO₂) MONITORING. For buildings or additions equipped with demand control ventilation, CO₂ sensors and ventilation controls shall be specified and installed in accordance with the requirements of the California Energy Code, Section 120(c)(4).

X		ARCH.
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SECTION 5.507 ENVIRONMENTAL COMFORT
5.507.4 ACOUSTICAL CONTROL. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413, or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirements of this section and all subsections apply only to new construction.

5.507.4.1 Exterior noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.

Exceptions:

1. L_w or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
2. L_w or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.

2. Within the 65 CNEL or L_w noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

5.507.4.1.1. Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dB L_{eq} -1-hr during any hour of operation shall have building, addition or alteration exterior walls and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

5.507.4.2 Performance Method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

5.507.4.2.2 Documentation of Compliance. An acoustical analysis documenting complying interior soundlevels shall be prepared by personnel approved by the architect or engineer of record.

5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC ratings may be found at the California Office of Noise Control: www.toolbox.org/PDF/CaseStudies/stc_vcc_ratings.pdf.

X		
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SECTION 5.508 OUTDOOR AIR QUALITY
5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

5.508.1.2 Halons. Install HVAC, refrigeration and fire suppression equipment that do not contain Halons.

5.508.2 Supermarket refrigerant leak reduction. New commercial refrigeration systems shall comply with the provisions of this section when installed in retail food stores 8,000 square feet or more conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units. The leak reduction measures apply to refrigeration systems containing high-global-warming potential (high-GWP) refrigerants with a GWP of 150 or greater. New refrigeration systems include both new facilities and the replacement of existing refrigeration systems in existing facilities.

Exception: Refrigeration systems containing low-global warming potential (low-GWP) refrigerant with a GWP value less than 150 are not subject to this section. Low-GWP refrigerants are nonozone-depleting refrigerants that include ammonia, carbon dioxide (CO₂), and potentially other refrigerants.

Y	N/A	RESPON. PARTY

5.508.2.1 Refrigerant piping. Piping compliant with the California Mechanical Code shall be installed to be accessible for leak protection and repairs. Piping runs using threaded pipe, copper tubing with an outside diameter (OD) less than 1/4 inch, flared tubing connections and short radius elbows shall not be used in refrigerant systems except as noted below.

5.508.2.1.1 Threaded pipe. Threaded connections are permitted at the compressor rack.

5.508.2.1.2 Copper pipe. Copper tubing with an OD less than 1/4 inch may be used in systems with a refrigerant charge of 5 pounds or less.

5.508.2.1.2.1 Anchorage. One-fourth-inch OD tubing shall be securely clamped to a rigid base to keep vibration levels below 8 mils.

5.508.2.1.3 Flared tubing connections. Double-flared tubing connections may be used for pressure controls, valve pilot lines and oil.

Exception: Single-flared tubing connections may be used with a multilayer seal coated with industrial sealant suitable for use with refrigerants and tightened in accordance with manufacturer's recommendations.

5.508.2.1.4 Elbows. Short radius elbows are only permitted where space limitations prohibit use of long radius elbows.

5.508.2.2 Valves. Valves and fittings shall comply with the *California Mechanical Code* and as follows.

5.508.2.2.1 Pressure relief valves. For vessels containing high-GWP refrigerant, a rupture disc shall be installed between the outlet of the pressure relief valve.

5.508.2.2.1.1 Pressure detection. A pressure gauge, pressure transducer or other device shall be installed in the space between the rupture disc and the relief valve inlet to indicate a disc rupture or discharge of the relief valve.

5.508.2.2.2 Access valves. Only Schrader access valves with a brass or steel body are permitted for use.

5.508.2.2.2.1 Valve caps. For systems with a refrigerant charge of 5 pounds or more, valve caps shall be brass or steel and not plastic.

5.508.2.2.2.2 Seal caps. If designed for it, the cap shall have a neoprene O-ring in place.

5.508.2.2.2.2.1 Chain leathers. Chain leathers to fit over the stem are required for valves designed to have seal caps.

Exception: Valves with seal caps that are not removed from the valve during stem operation.

5.508.2.3 Refrigerated service cases. Refrigerated service cases holding food products containing vinegar and salt shall have evaporator coils of corrosion-resistant material, such as stainless steel, or be coated to prevent corrosion from these substances.

5.508.2.3.1 Coil coating. Consideration shall be given to the heat transfer efficiency of coil coating to maximize energy efficiency.

5.508.2.4 Refrigerant receivers. Refrigerant receivers with capacities greater than 200 pounds shall be fitted with a device that indicates the level of refrigerant in the receiver.

5.508.2.5 Pressure testing. The system shall be pressure tested during installation prior to evacuation and charging.

5.508.2.5.1 Minimum pressure. The system shall be charged with regulated dry nitrogen and appropriate tracer gas to bring system pressure up to 300 psig minimum.

5.508.2.5.2 Leaks. Check the system for leaks, repair any leaks, and retest for pressure using the same gauge.

5.508.2.5.3 Allowable pressure change. The system shall stand, unaltered, for 24 hours with no more than a +/- one pound pressure change from 300 psig, measured with the same gauge.

5.508.2.6 Evacuation. The system shall be evacuated after pressure testing and prior to charging.

5.508.2.6.1 First vacuum. Pull a system vacuum down to at least 1000 microns (+/- 50 microns), and hold for 30 minutes.

5.508.2.6.2 Second vacuum. Pull a second system vacuum to a minimum of 500 microns and hold for 30 minutes.

5.508.2.6.3 Third vacuum. Pull a third vacuum down to a minimum of 300 microns, and hold for 24 hours with a maximum drift of 100 microns over a 24-hour period.

CHAPTER 7 INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS

702 QUALIFICATIONS

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

1. State certified apprenticeship programs.
2. Public utility training programs.
3. Training programs sponsored by trade, labor or statewide energy consulting or verification organizations.
4. Programs sponsored by manufacturing organizations.
5. Other programs acceptable to the enforcing agency.

702.2 SPECIAL INSPECTION [HCD]. When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

1. Certification by a national or regional green building program or standard publisher.
2. Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.
3. Successful completion of a third party apprentice training program in the appropriate trade.
4. Other programs acceptable to the enforcing agency.

Notes:

1. Special Inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.
2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC-CG] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

Note: Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

703 VERIFICATIONS

703.1 DOCUMENTATION. Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

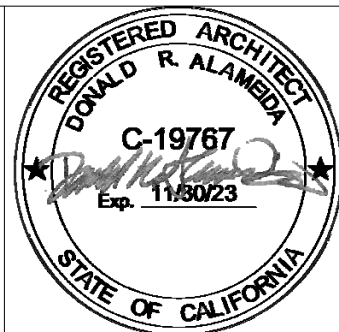
555 S. MAIN STREET, SUITE 2
SEABASTOPOL, CA 95472
(707) 824-1219
WWW.ALAMEIDA.COM



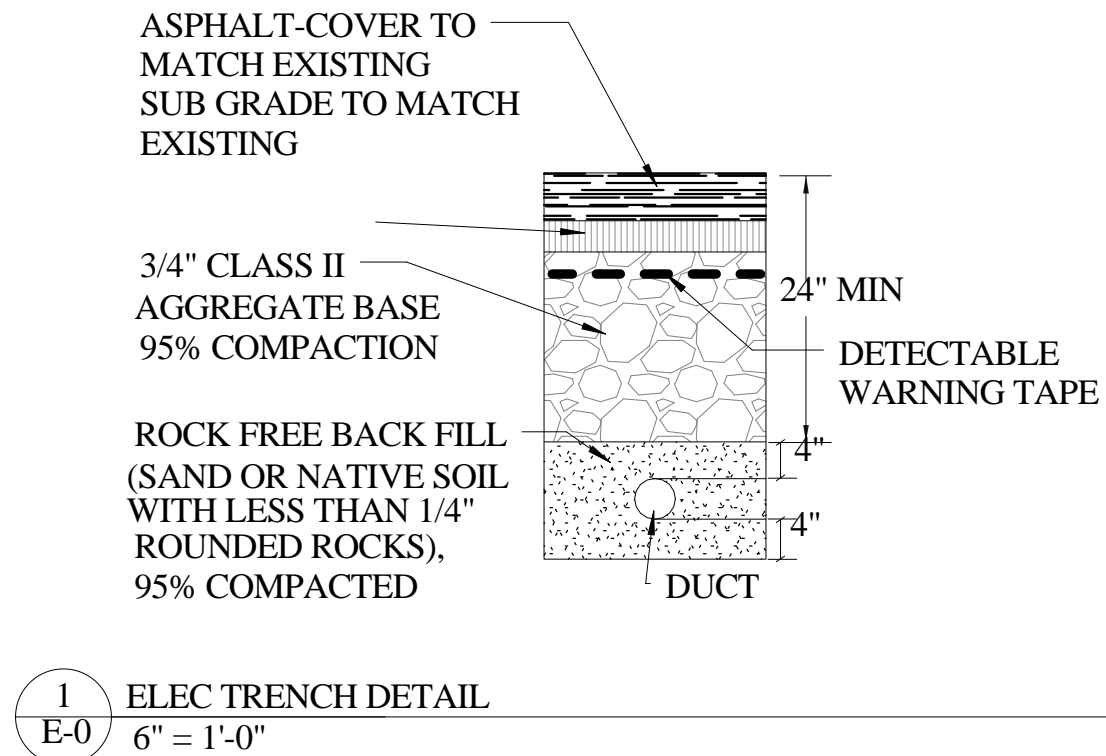
PROJECT

TENANT IMPROVEMENTS FOR ECONOMIC DEVELOPMENT AND CHILD SUPPORT SERVICES

2420 6TH STREET
EUREKA, CA



No.	Description	Date



1. SEE ARCHITECTURAL DRAWINGS FOR COUNTER HEIGHTS. INSTALL ALL RECEPTACLES, DEVICES, ETC. ACCORDINGLY.
2. SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES.
3. FINISH OF ALL LIGHTING FIXTURES SHALL BE AS SELECTED BY THE ARCHITECT FROM STANDARD FINISHES.
4. SEE MECHANICAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
5. SEE MECHANICAL CONTROL DIAGRAM FOR CONTROL WIRING BY ELECTRICAL CONTRACTOR.
6. FIRE STOPPING SHALL BE PROVIDED WHERE PENETRATING ITEMS PASS ENTIRELY THROUGH BOTH PROTECTIVE MEMBRANES OF BEARING WALLS REQUIRED TO HAVE A FIRE-RESISTIVE RATING AND WALLS REQUIRING PROTECTED OPENINGS. FIRE STOPPING SHALL ALSO BE PROVIDED AT PENETRATIONS OF FIRE RESISTIVE FLOORS AND FLOORS WHICH ARE PART OF A CEILING-FLOOR ASSEMBLY. FIRE-STOPPING SHALL HAVE AN "F" OR "T" RATING AS DETERMINED BY TESTS CONDUCTED IN ACCORDANCE WITH UBC SECTION 714 SEE SPECIFICATIONS.
7. PROVIDE EMERGENCY BATTERY PACK FOR ALL FIXTURES. WHERE SHOWN ON PLAN / SCHEDULED CONNECT BATTERY PACKS AHEAD OF SWITCH.

NOTE:

INSTALLATION OF ALL ELECTRICAL SWITCHES MUST COMPLY WITH CBC SECTION 11B-308.1.1 AND ELECTRICAL RECEPTACLES MUST COMPLY WITH CBC SECTION 11B-308.1.2

VOLT120 / 208 V

PHASE3

WIRE4 W

BUSSING100 AMP

POLES42 P

REMARKS:

RELOCATED AND REVISED PANEL U

FEEDER SEE SINGLE LINE

COUNT/UIT SEE SINGLE LINE

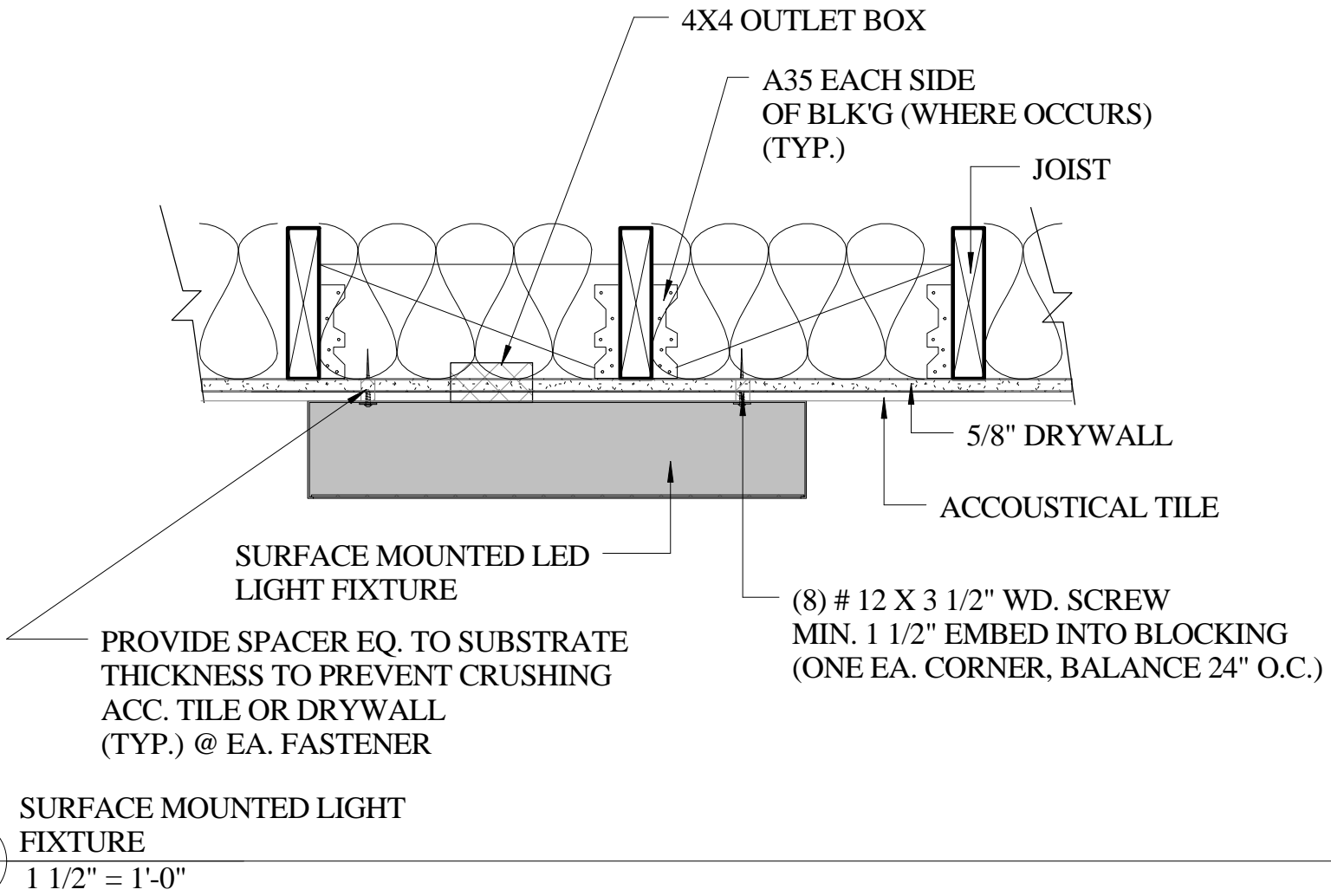
SCHEDULED SURFACE

AIC RATING 10,000

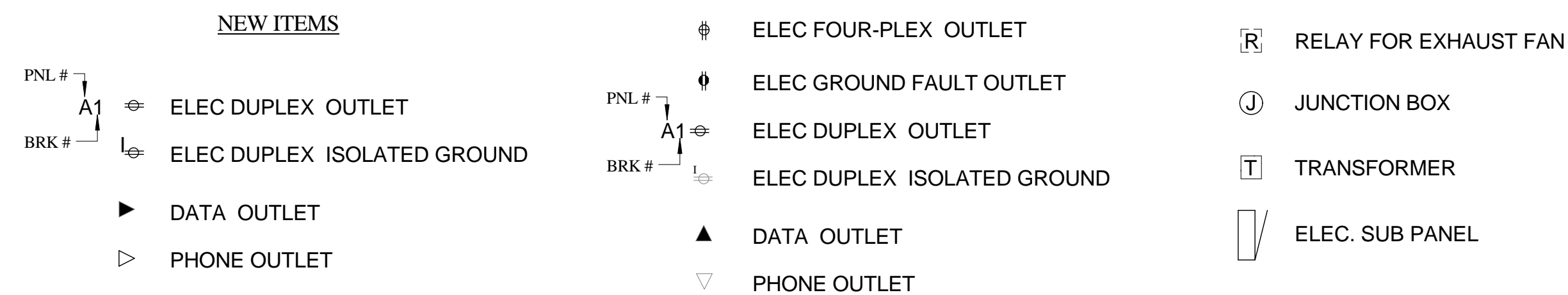
LOAD DESCRIPTION	TYPE	A	B	C	BRKR	CKT.	CKT.	BRKR	A	B	C	TYPE	LOAD DESCRIPTION
UNUSED	R	0.0			20/1	3	2	20/1	0.0			R	UNUSED
RECEPT RM 130	R		0.0		20/1	4	4	20/1		0.5		R	RECEPT / LTG RM 130
RECEPT RM 130	R			0.9	20/1	5	6	20/1			0.0	R	RECEPT / LTG RM 130
RECEPT RM 112	R	0.2			20/1	7	8	20/1	0.2			R	RECEPT / LTG RM 112
RECEPT RM 112	R		0.7		20/1	9	10	20/1		0.7		R	RECEPT / LTG RM 112
RECEPT RM 112	R			0.5	20/1	11	12	20/1			0.7	R	RECEPT / LTG RM 112
RECEPT RM 112 / ROOF	R	0.5			20/1	13	14	20/1	0.4			R	RECEPT / LTG RM 112
RECEPT RM 101/110	R		0.2		20/1	15	16	20/1		0.0		R	RECEPT / LTG RM 111
RECEPT RM 111/111	R			0.2	20/1	17	18	20/1		0.5		R	RECEPT / LTG RM 110/112
RECEPT RM 108/111	R	0.2			20/1	19	20	20/1	0.0			R	RECEPT RM 120
RECEPT 105/106/107/120	R		1.6		20/1	21	22	20/1		0.0		R	RECEPT / LTG RM 108/111
RECEPT RM 120 / ROOF	R			0.0	20/1	23	24	20/1		0.5		R	RECEPT / LTG RM 120
RECEPT RM 101/120	R	0.7			20/1	25	26	20/1		1.3		R	RECEPT / LTG RM 120
RECEPT RM 101/120	R		1.4		20/1	27	28	20/1		0.000		R	RECEPT / LTG RM 120
RECEPT RM 101/120	R			0.9	20/1	29	30	20/1			0.0	R	RECEPT / LTG RM 120
RECEPT RM 120	R	0.0			20/1	31	32	20/1	1.1			R	RECEPT / LTG RM 130
RECEPT RM 120	R		0.00		20/1	33	34	20/1		0.0		R	RECEPT / LTG RM 120
RECEPT RM 130	R			1.1	20/1	35	36	20/1		0		R	RECEPT / LTG RM 120
RECEPT RM 130	R	0.7			20/1	37	38	20/1				R	RECEPT / LTG RM 130
RECEPT / LTG RM 112	L				20/1	39	40	20/1					MASTER WORKSTATIONS
WATER HEATER	H				20/1	41	42	-					SPACE
		2.34	3.96	3.6					2.88	1.26	1.8		

DEMAND LOAD SUMMARY

		CONV. FACTOR	DEMAND	DEMAND		
TYPE	M	NON-CONTINUOUS / MISC.	0	1	0.00	PHASE A 5.22 KVA
TYPE	L	LIGHTING / CONTINUOUS	0	1	0.125	PHASE B 5.22 KVA
TYPE	R	RECEPTILES (FIRST 10 KVA)	10	1	10.00	PHASE C 5.4 KVA
TYPE	R	RECEPTILES (OVER 10 KVA)	5.84	0.5	2.92	TOTAL CONNECTED LOAD 15.84 KVA
TYPE	H	HVAC / MECH LOADS	0	1	0.00	
TYPE	V	EV / CONTINUOUS	0	1.25	0.00	
TOTALS			15.84		12.92	45 MAX AMPS/PHASE



POWER AND LIGHTING DISTRIBUTION NOTE: AT THE TIME PLANS PREPARED INFORMATION KNOWN OF EXISTING POWER AND LIGHTING DISTRIBUTION WAS LIMITED AND MAY BE OUTDATE. BY SUBSEQUENT MODIFICATIONS SINCE 1999, ELECTRICAL CONTRACTOR TO VERIFY LOADS ON ALL ELECTRICAL PANELS NECESSARY TO MODIFY FOR POWER AND LIGHTING MODIFICATION REQUIRED TO COMPLETE THIS CSCOPE OF WORK. CONTRACTOR TO SUBMIT AS BUILT PANEL SCHEDULES AND PROPOSED MODIFICATION TO PANELS. PANEL U ILLUSTRATED ATTEMPTS TO DEMONSTRATE CHANGES TO RECEPTACLE LOADS RATED ABOVE IS NOT THE ONLY

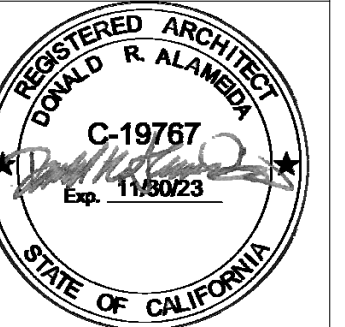




PROJECT

TENANT
IMPROVEMENTS
FOR ECONOMIC
DEVELOPMENT AND
CHILD SUPPORT
SERVICES

2420 6TH STREET
EUREKA, CA

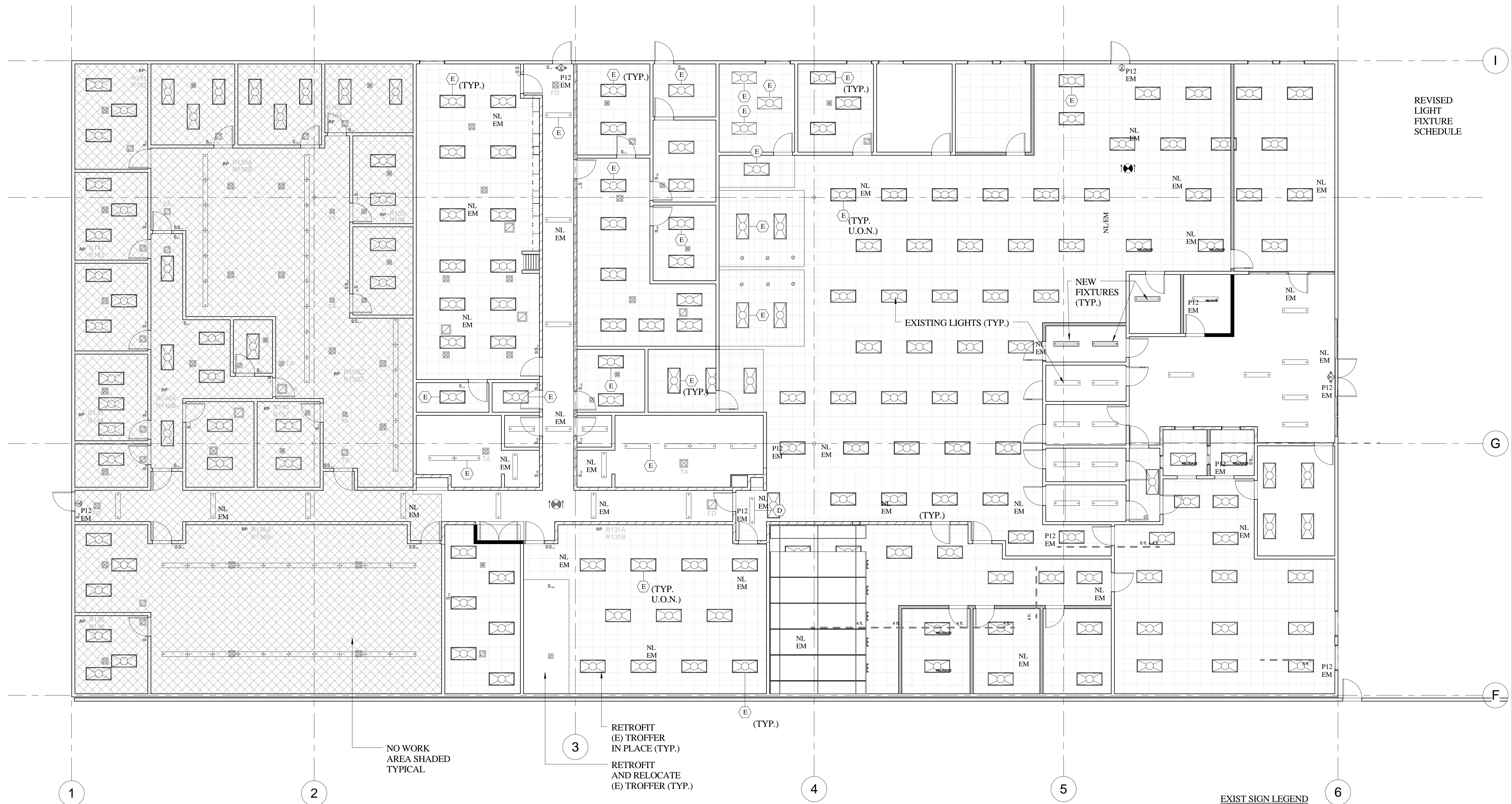
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LIGHTING PLAN

Project number	2108
Date	10/14/23
Drawn by	Author
Checked by	Checker

E-3






Scale	1/8" = 1'-0"
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T-24 / CALGREEN OUTDOOR LIGHTING NOTES:

OUTDOOR LIGHTING ZONE : LZ-3
 PRESCRIPTIVE LIGHTING ALLOWANCE
 INITIAL WATTS ALLOWANCE: 350 WATTS
 ASPHALT AREAS: 0.025 W/S.F. X 6,400 S.F. = 160 WATTS
 CONCRETE AREAS: 0.03 W/S.F. X 2,129 S.F. = 63.8 WATTS
ENTRANCES & EXITS (WITHIN 20 FT.): 19 WATTS
 TOTAL OUTDOOR LIGHTING ALLOWANCE = 592
 PARKING LOT LIGHTS ARE SOLAR NOT INCLUDED IN TOTAL.

EXIST SIGN LEGEND

-  EXIT SIGN (EXISTING)  EXIT SIGN CEILING (EXISTING)
 EXIT SIGN (NEW)  EXIT SIGN CEILING (NEW)
 EXIT SIGN WITH EMERGENCY REMOTE HEADS (NEW)

NEW EXIT SIGNS :
WALL MOUNT = LITHONIA LHQM LED EXIT SIGN - GREEN LED
WALL MOUNT W/ EMEGENCY LIGHTS = LHQM W/ QUANTUM LED
EMERGENCY REMOTE LAMP HEADS
CEILING MOUNT = LITHONIA CONTRACTOR'S SELECT EXRG LED