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SUTTER HEALTH MILLS PENINSULA PHOTOVOLTAIC INSTALLATION: PARKING LOT

1501 TROUSDALE DRIVE,
BURLINGAME, CALIFORNIA 94010

CALL 811 DIG ALERT PRIOR TO EXCAVATING:

COMPLIANCE WITH GOVERNMENT CODE 4216 IS TO BE FOLLOWED PRIOR TO ANY EXCAVATION TAKING PLACE.

2375 EAST CAMELBACK ROAD,
SUITE 400
PHOENIX, AZ, 85016
480.499.9200
www.ameresco.com

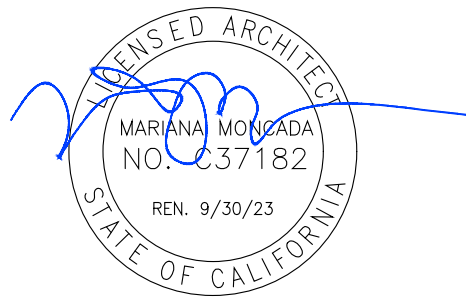
2200 RIVER PLAZA DR
SACRAMENTO, CA,
95833

M M P V d e s i g n

MARIANA MONCADA, ARCHITECT
718 WEST ARBOR DRIVE
SAN DIEGO, CA 92103
619.632.2883

SUTTER MILLS-PENINSULA
1501 TROUSDALE DRIVE,
BURLINGAME, CA 94010
PHOTOVOLTAIC AND BATTERY INSTALLATION

SEALS AND SIGNATURES



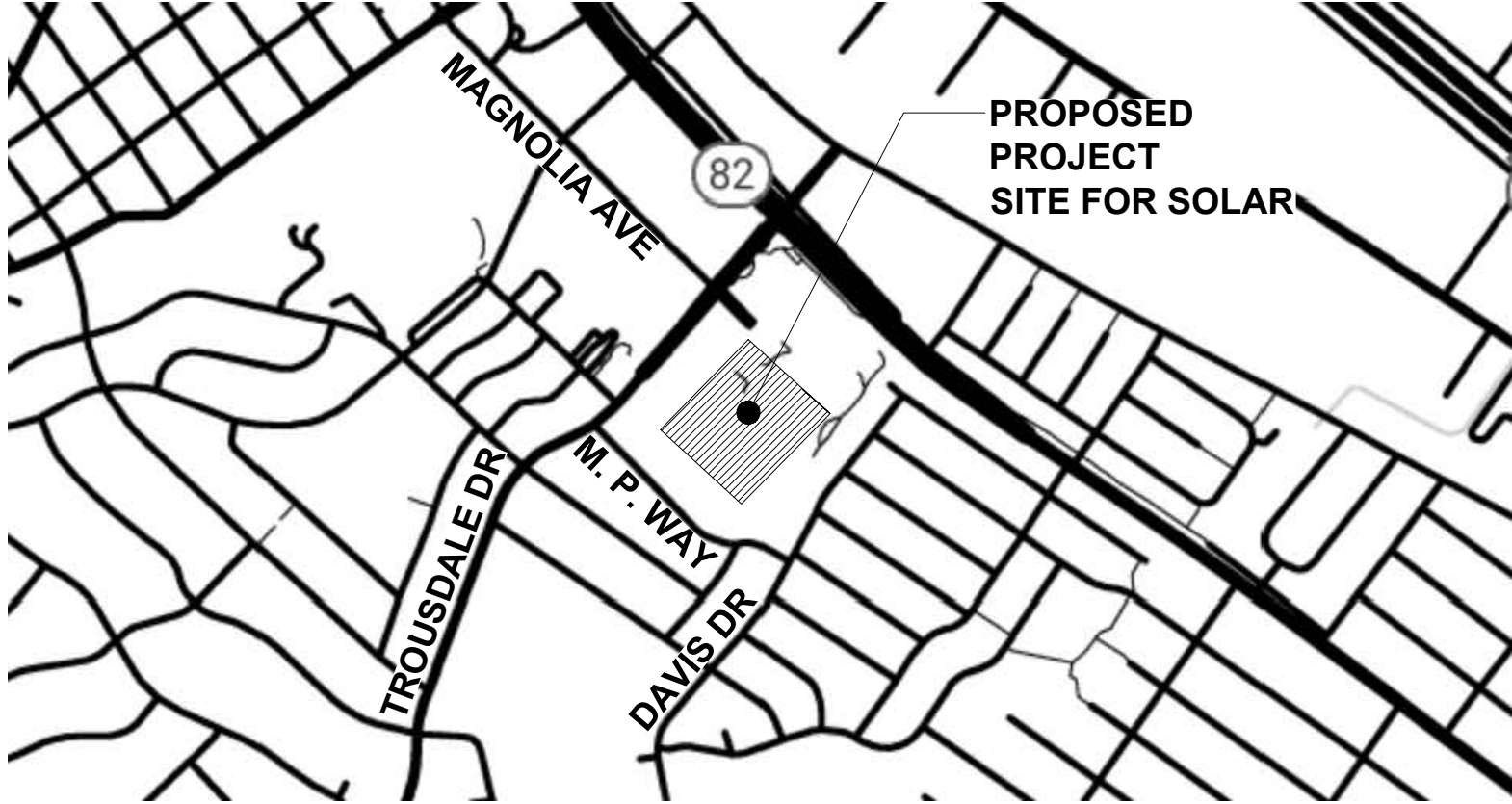
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DRAWING TITLE
TITLE SHEET

PROJECT NO. 74129-00

DRAWING NUMBER
MP-A0.0

VICINITY MAP



SCALE: NTS

GOVERNING CODES:

CALIFORNIA CODE OF REGULATIONS:
2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR)
2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1, AND 2 (PART 2, TITLE 24, CCR)
(2021 EDITION INTERNATIONAL BUILDING CODE WITH 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
(2020 NFPA 70)
2022 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)
(2021 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)
(2021 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
2022 CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR)
(2021 EDITION OF INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS)
2022 CALIFORNIA GREEN CODE (PART 11, TITLE 24, CCR)
2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
NFPA 13 - 2022
NFPA 72 - 2022

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:

2022 CBC, CHAPTER 35
2022 CFC, CHAPTER 80

INSPECTIONS:

SAFETY DURING CONSTRUCTION TO COMPLY WITH 2022 CFC CHAPTER 33

NOTES:

- 1) NOTICE TO THE APPLICANT/OWNER/OWNER'S AGENT/ARCHITECT OR ENGINEER OF RECORD: BY USING THIS PERMITTED CONSTRUCTION DRAWINGS FOR CONSTRUCTION.INSTALLATION OF THE WORK SPECIFIED HEREIN, YOU AGREE TO COMPLY WITH THE REQUIREMENTS OF THE AHJ FOR SPECIAL INSPECTIONS, STRUCTURAL OBSERVATIONS, CONSTRUCTION MATERIAL TESTING AND OFF-SITE FABRICATION OF BUILDING COMPONENTS, CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS AND AS, REQUIRED BY THE CALIFORNIA CONSTRUCTION CODES.
- 2) LOCATIONS AND CLASSIFICATIONS OF EXTINGUISHERS SHALL BE IN ACCORDANCE WITH CFC 906 AND CALIFORNIA CODE OF REGULATIONS (CCR), TITLE 19.
- 3) DURING CONSTRUCTION, AT LEAST ONE EXTINGUISHER SHALL BE PROVIDED ON EACH FLOOR LEVEL AT EACH STAIRWAY, IN ALL STORAGE AND CONSTRUCTION SHEDS, IN LOCATIONS WHERE FLAMMABLE OR COMBUSTIBLE LIQUIDS ARE STORED OR USED, AND WHERE OTHER SPECIAL HAZARDS ARE PRESENT PER CFC SECTION 3315.1.
- 4) BUILDINGS UNDERGOING CONSTRUCTION, ALTERATION, OR DEMOLITION SHALL CONFORM TO CFC CHAPTER 33. WELDING, CUTTING, AND OTHER HOT WORK SHALL BE IN CONFORMANCE WITH CFC CHAPTER 35.
- 5) ADDRESS IDENTIFICATION SHALL BE PROVIDED FOR ALL NEW AND EXISTING BUILDINGS IN A LOCATION THAT IS PLAINLY VISIBLE AND LEGIBLE FROM THE STREET OR ROAD FRONTING THE PROPERTY. WHERE ACCESS IS BY WAY OF A PRIVATE ROAD AND THE BUILDING ADDRESS CANNOT BE VIEWED FROM THE PUBLIC WAY, AN APPROVED SIGN OR MEANS SHALL BE USED TO IDENTIFY THE STRUCTURE. PREMISES IDENTIFICATION SHALL CONFORM TO CBC SECTION 501.2.
- 6) DUMPSTERS AND TRASH CONTAINERS EXCEEDING 1.5 CUBIC YARDS SHALL NOT BE STORED IN BUILDINGS OR PLACED WITHIN 5 FEET OF COMBUSTIBLE WALLS, OPENINGS OR COMBUSTIBLE ROOF EAVE LINES UNLESS PROTECTED BY AND APPROVED SPRINKLER SYSTEM OR LOCATED IN A TYPE I OR TYPE IIA STRUCTURE SEPARATED BY 10 FEET FROM OTHER STRUCTURES. CONTAINERS LARGER THAN 1 CUBIC YARD SHALL BE OF NON-LIMITED COMBUSTIBLE MATERIALS OR SIMILARLY PROTECTED OR SEPARATED. CFC 304.3.
- 7) EXITS, EXIT SIGNS, FIRE ALARM PANELS, HOSE CABINETS, FIRE EXTINGUISHER LOCATIONS, AND STANDPIPE CONNECTIONS SHALL NOT BE CONCEALED BY CURTAINS, MIRRORS, OR OTHER DECORATIVE MATERIAL.
- 8) OPEN FLAMES, FIRE, AND BURNING ON ALL PREMISES IS PROHIBITED EXCEPT AS SPECIFICALLY PERMITTED BY THE AHJ AND CFC 308.
- 9) THE EGRESS PATH SHALL REMAIN FREE AND CLEAR OF ALL OBSTRUCTIONS AT ALL TIMES. NO STORAGE IS PERMITTED IN ANY EGRESS PATHS.

SCOPE OF WORK

WORK CONSISTS OF INSTALLING 9 PHOTOVOLTAIC (PV) SOLAR POWER ARRAYS OVER AN EXISTING PARKING LOT. SOLAR COMPONENTS INCLUDE: MODULES, RACKING EQUIPMENT, STRUCTURAL CARPORT SYSTEM, PV MONITORING AND METERING COMMUNICATIONS, AND POWER CONNECTION TO THE UTILITY GRID.

TOTAL MODULE COUNT: 3199 MODULES
DC: 1295.60 kW
TOTAL ARRAY STRUCTURES: 8

PLANNING APPLICATION INCLUDES PROPOSED REVISION TO MILLS-PENINSULA MEDICAL CENTER'S USAGE OF THE ON-SITE HELIPORT ALLOWED UNDER THE FACILITY'S CONDITIONS OF APPROVAL. HOWEVER, THIS WILL NOT REQUIRE PHYSICAL WORK.

PROJECT INFOMATION

PROJECT ADDRESS: 1501 TROUSDALE DRIVE
LOT SQUARE FOOTAGE: 909,724 SF

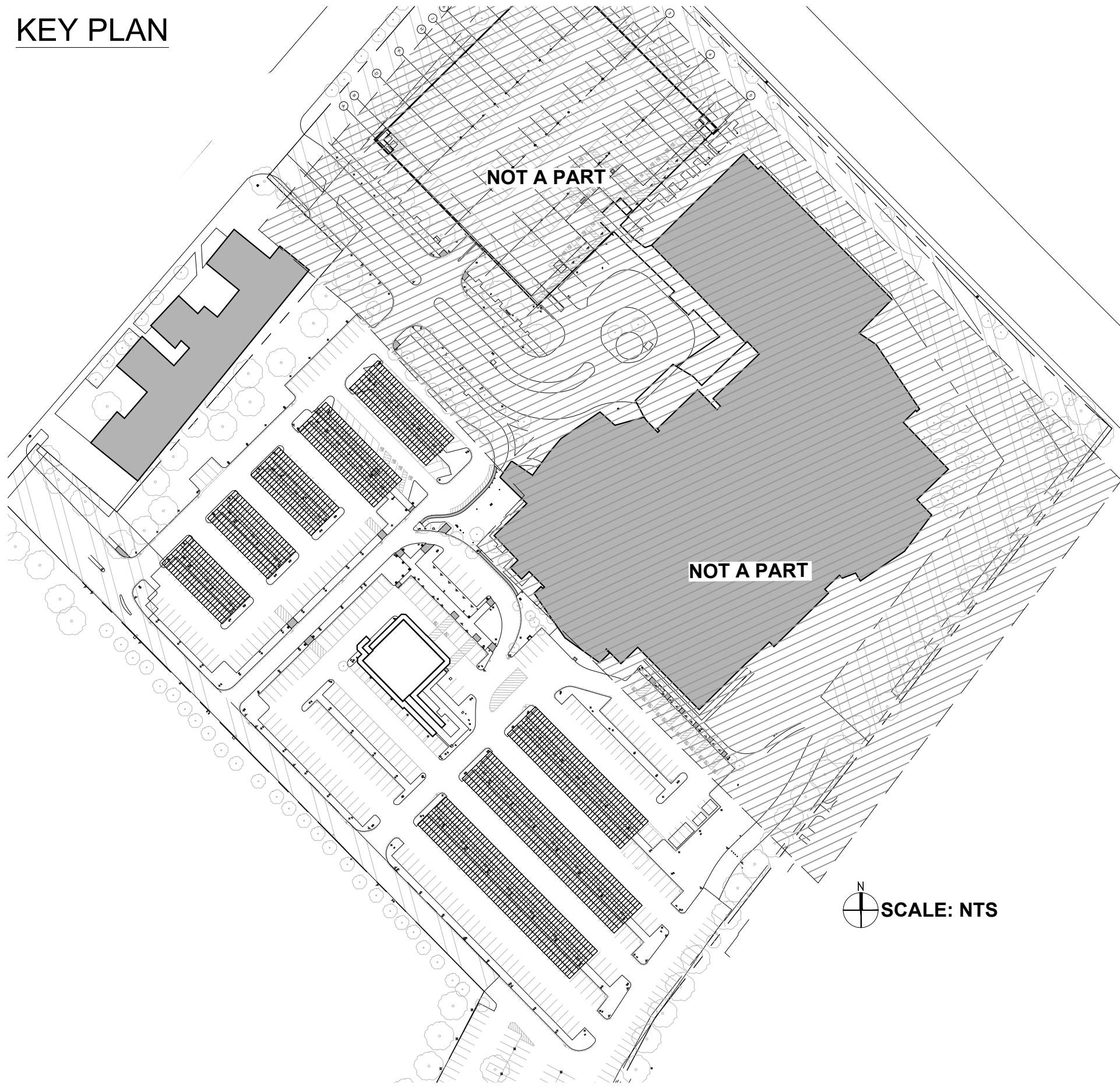
APN: 025-123-191 / 025-123-192

NEW PHOTOVOLTAIC ARRAY CODE ANALYSIS: MILLS PENINSULA LOT 1

SYSTEM DESCRIPTION: Module Type JA SOLAR JKM585N-75HL4-BDV (2278mm x 1134mm x 30mm) 31.6 kg

Array Name	Array	Total Modules	kW DC	No. of Cols	Minimum Clear Height	Azimuth	Tilt	Occupancy	Const. Type	Area	Allowable Area
A	6 x 33	198	115.80	4	10'-0"	226 °	7 °	S-2	II-B	5,573 SF	-
B	6 x 33	198	115.83	4	10'-0"	226 °	7 °	S-2	II-B	5,573 SF	-
C	6 x 26	156	91.26	3	10'-0"	226 °	7 °	S-2	II-B	4,391 SF	-
D	6 x 26	156	91.26	3	10'-0"	226 °	7 °	S-2	II-B	4,391 SF	-
E	6 x 26	156	91.26	3	10'-0"	226 °	7 °	S-2	II-B	4,391 SF	-
G	6 x 49	294	171.99	5	10'-0"	226 °	7 °	S-2	II-B	8,276 SF	-
H	6 x 66	396	231.66	7	10'-0"	226 °	7 °	S-2	II-B	11,148 SF	-
J	6 x 66	396	231.66	7	10'-0"	226 °	7 °	S-2	II-B	11,148 SF	-
TOTALS:		1950	1140.72	36	TOTAL PROJECT AREA:		54,891 SF	UNLIMITED			

KEY PLAN



SCALE: NTS

PROJECT DIRECTORY

SYSTEM HOST:
SUTTER HEALTH
1501 TROUSDALE DR
BURLINGAME, CA 94010

DEVELOPER
AMERESCO
2375 EAST CAMELBACK RD
STE 400
PHOENIX, AZ 85016
480.499.9126
WWW.AMERESCO.COM
PM: MATT BRAUSCH

ELECTRICAL ENGINEER:
McCALMONT ENGINEERING
1624 DELL AVENUE
CAMPBELL, CA 95008
408.871.9600
WWW.MCCALMONT.NET
PM: AARON McCALMONT

PHOTOMETRIC ENGINEER:
RENEWABLE ENERGY ENGINEERING
ASSOCIATES, LLC
225 CONTRA COSTA STREET
RICHMOND, CA 94801
520.850.5954
EOR: JOSEPH DIMATTEO

ARCHITECT & DPRGC:
MMPV DESIGN, INC.
718 W ARBOR DR
SAN DIEGO, CA 92103
619.632.2883
WWW.MMPVDESIGN.COM
AOR: MARIANA MONCADA

STRUCTURAL ENGINEER:
TEICHERT SOLAR
10620 TREEANA ST, STE 140
SAN DIEGO, CA 92131
562.283.2970
WWW.TEICHERT.COM
PM: YESENIA GRAMAJO

GEOTECHNICAL ENGINEER:
SMITH & ANNALA ENGINEERING CO.
3860 S. PALO VERDE ROAD, STE 315
TUSCON, AZ 85714
520.203.8257
WWW.SAECOSAFE.COM
BRYAN W. REED

DRAWING INDEX

SHEET # SHEET TITLE

ARCHITECTURAL DRAWINGS

MP-A0.0	TITLE SHEET
MP-A1.0	SITE PLAN
MP-A1.1	ARRAY RENDERINGS
MP-A1.2	ACCESSIBLE PARKING STANDARDS

4 SHEETS

LANDSCAPE DRAWINGS

G100	TREE REMOVAL PLAN
G101	TREE REMOVAL PLAN
G102	TREE REMOVAL PLAN
G103	LANDSCAPING PLAN
G104	LANDSCAPING PLAN

5 SHEETS

STRUCTURAL DRAWINGS

S100	GENERAL STRUCTURAL NOTES
S105	FOUNDATION LAYOUT
S110	PV CANOPY LAYOUT
S200	FRAMING PLAN & SCHEDULE
S300	SECTION - 7X
S400	FOUNDATION & ANCHORAGE DETAILS
S500	STEEL DETAILS

7 SHEETS

TOTAL: 16 SHEETS

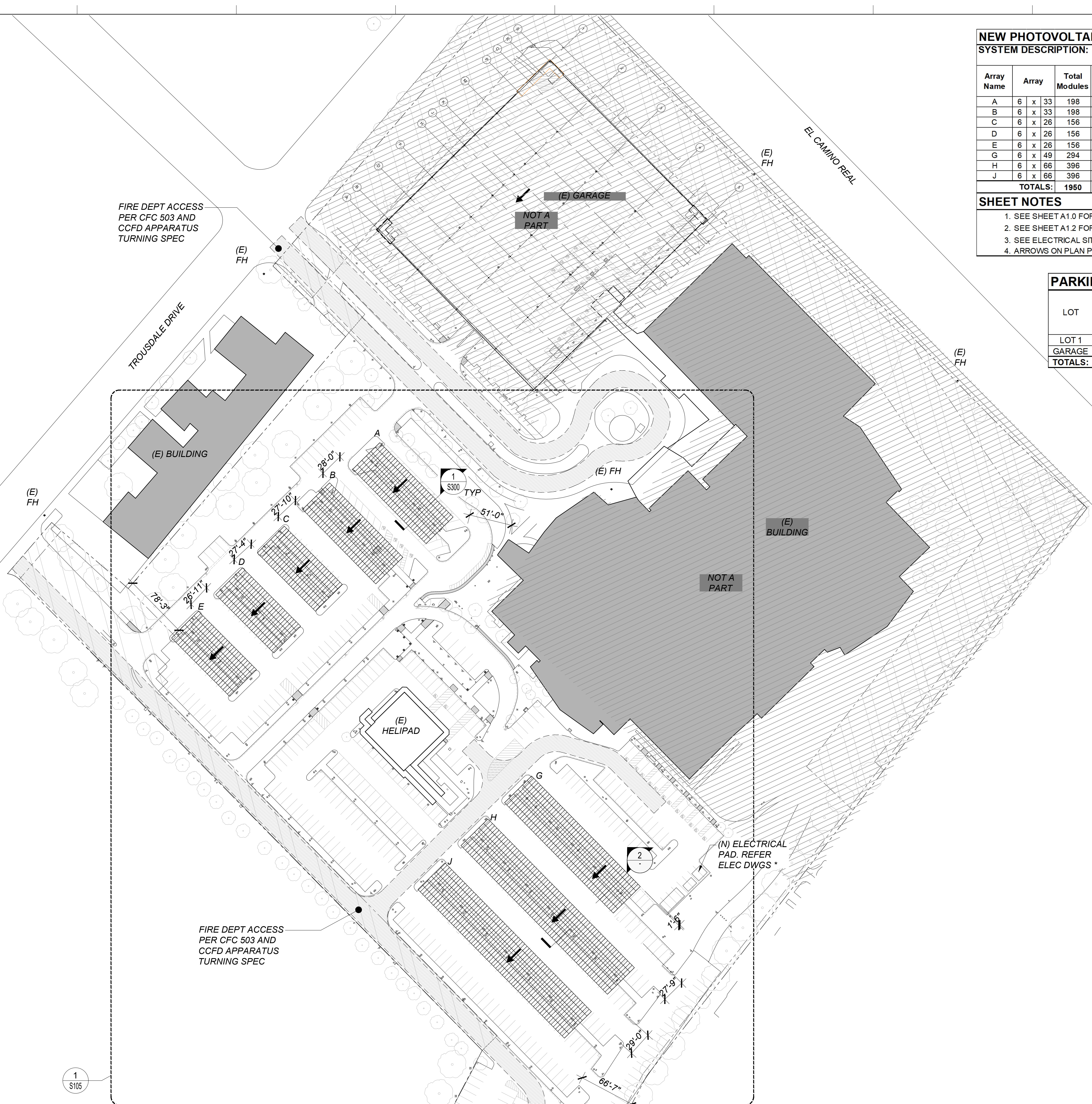
CONSTRUCTION HOURS

WEEKDAYS: 8:00 A.M. – 7:00 P.M.
SATURDAYS: 9:00 A.M. – 6:00 P.M.
SUNDAYS AND HOLIDAYS: NO WORK ALLOWED
(SEE CITY OF BURLINGAME MUNICIPAL CODE, SECTION 18.07.110 FOR DETAILS.)

(SEE CITY OF BURLINGAME MUNICIPAL CODE, SECTION 13.04.100 FOR DETAILS.)
CONSTRUCTION HOURS IN THE CITY PUBLIC RIGHT-OF-WAY ARE LIMITED TO WEEKDAYS AND NON-CITY HOLIDAYS BETWEEN 8:00 A.M. AND 5:00 P.M. CONSTRUCTION HOURS FOR WORK IN THE PUBLIC RIGHT OF WAY MUST NOW BE INCLUDED ON THE PLANS.

RECEIVED
June 19, 2025
City of Burlingame
CDD-Planning DIV

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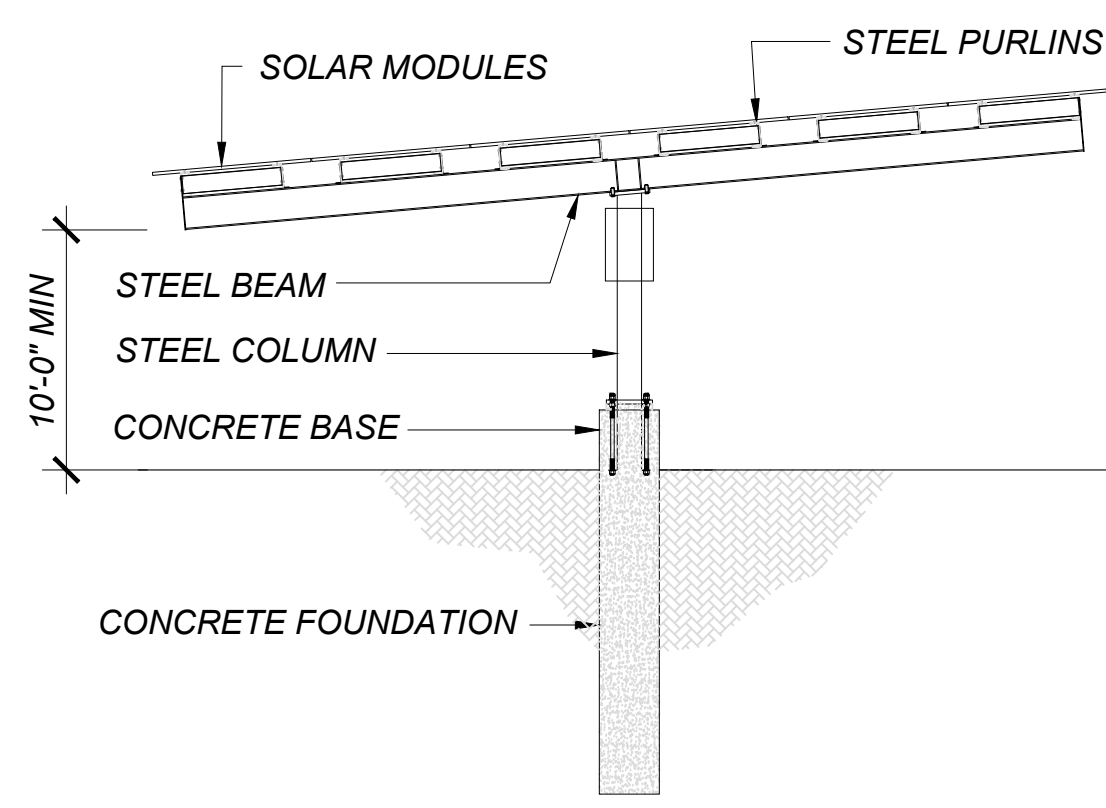


1 SITE PLAN
Scale: 1" = 60' (FOR 24X36 SHEETS)

NEW PHOTOVOLTAIC ARRAY CODE ANALYSIS: MILLS PENINSULA LOT 1												
SYSTEM DESCRIPTION: Module Type JA SOLAR JKM585N-75HL4-BDV (2278mm x 1134mm x 30mm) 31.6 kg												
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TOTALS:		1950	1140.72	36	TOTAL PROJECT AREA:					54,891 SF	UNLIMITED	
SHEET NOTES												
1. SEE SHEET A1.0 FOR ARRAY DIMENSIONS												
2. SEE SHEET A1.2 FOR ACCESSIBILITY PLAN SHOWING NEW AND EXISTING ACCESSIBLE CONDITIONS												
3. SEE ELECTRICAL SITE PLAN FOR POC INFORMATION AND LOCATION												
4. ARROWS ON PLAN POINT TO LOW SIDE OF CANOPY												

PARKING ANALYSIS: MILLS PENINSULA								
LOT	TOTAL STALLS	REQ'D ACCESSIBLE STALLS	PROVIDED ACCESSIBLE STALLS	COVERED STANDARD STALLS	RATIO: COVERED TO UNCOVERED	REQ'D COVERED ACCESSIBLE STALLS	PROVIDED COVERED ACCESSIBLE STALLS	
LOT 1	695	13	18	260	37%	5	13	
GARAGE	191	6	12	191	100%	6	10	
TOTALS:	886	17	30	451	51%	11	23	

* ELECTRICAL EQUIPMENT SHALL BE APPROVABLE IF IT IS LISTED, LABELED, OR CERTIFIED FOR ITS USE BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) AS RECOGNIZED BY THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY, AND HEALTH ADMINISTRATION. 2022 CEC SECTIONS 110.2 AND 110.3



2 ARRAY SECTION
Scale: 1/8" = 1'-0" (FOR 24X36 SHEETS)

2375 EAST CAMELBACK ROAD,
SUITE 400
PHOENIX, AZ, 85016
480.499.9200
www.ameresco.com

2200 RIVER PLAZA DR
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SUTTER MILLS-PENINSULA
1501 TROUSDALE DRIVE,
BURLINGAME, CA 94010
PHOTOVOLTAIC AND BATTERY INSTALLATION

SEALS AND SIGNATURES

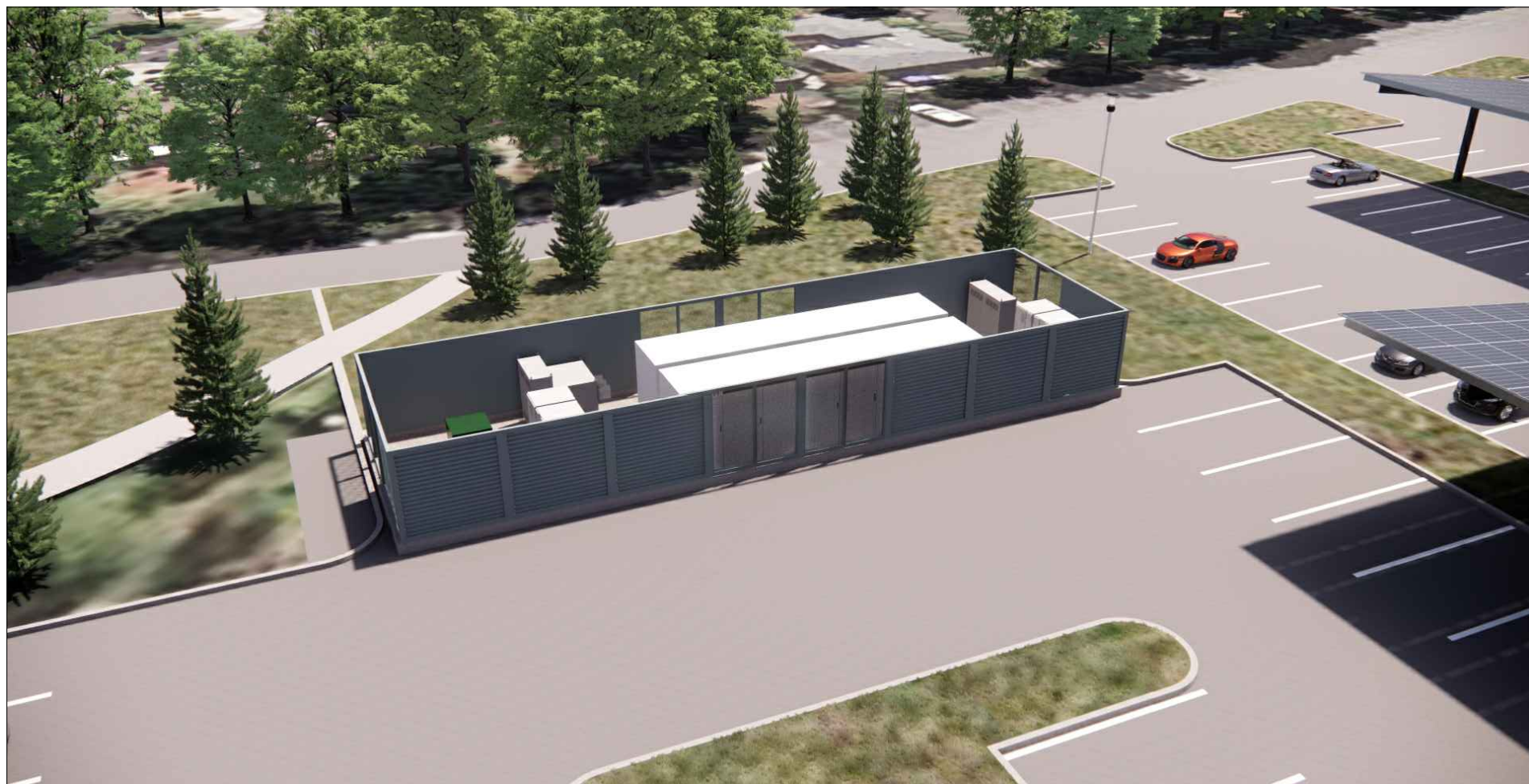
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DRAWING TITLE
SITE PLAN

PROJECT NO. **74129-00**

DRAWING NUMBER
MP-A1.0

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1 ARRAY RENDERINGS
Scale: NOT TO SCALE

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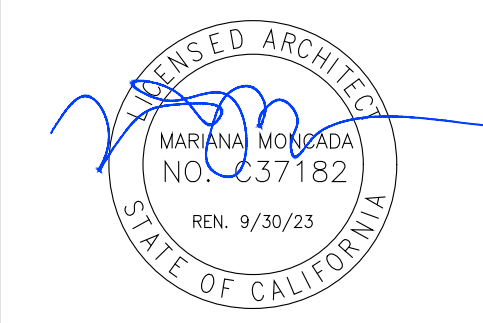
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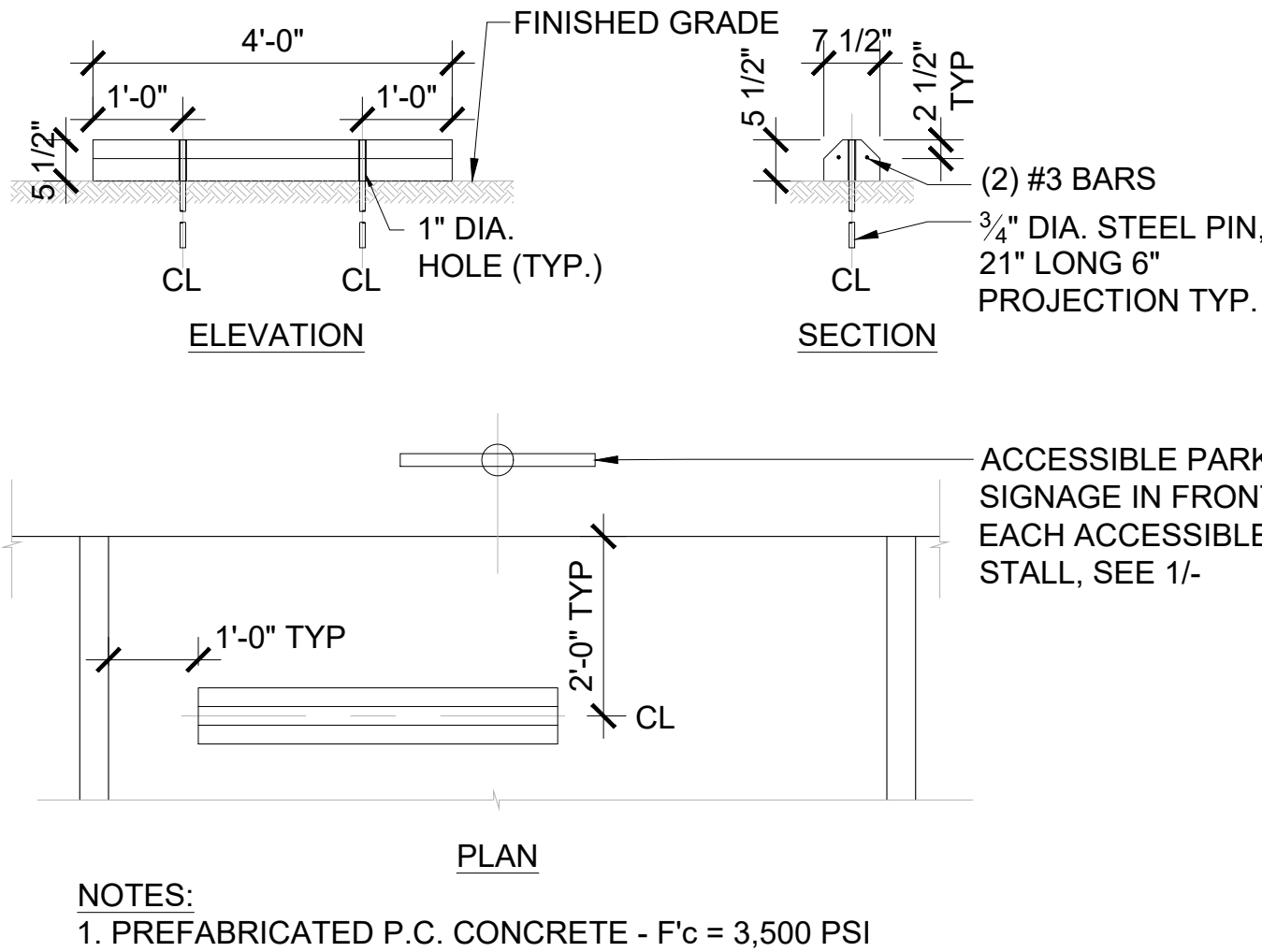
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DRAWING TITLE
ARRAY
RENDERINGS

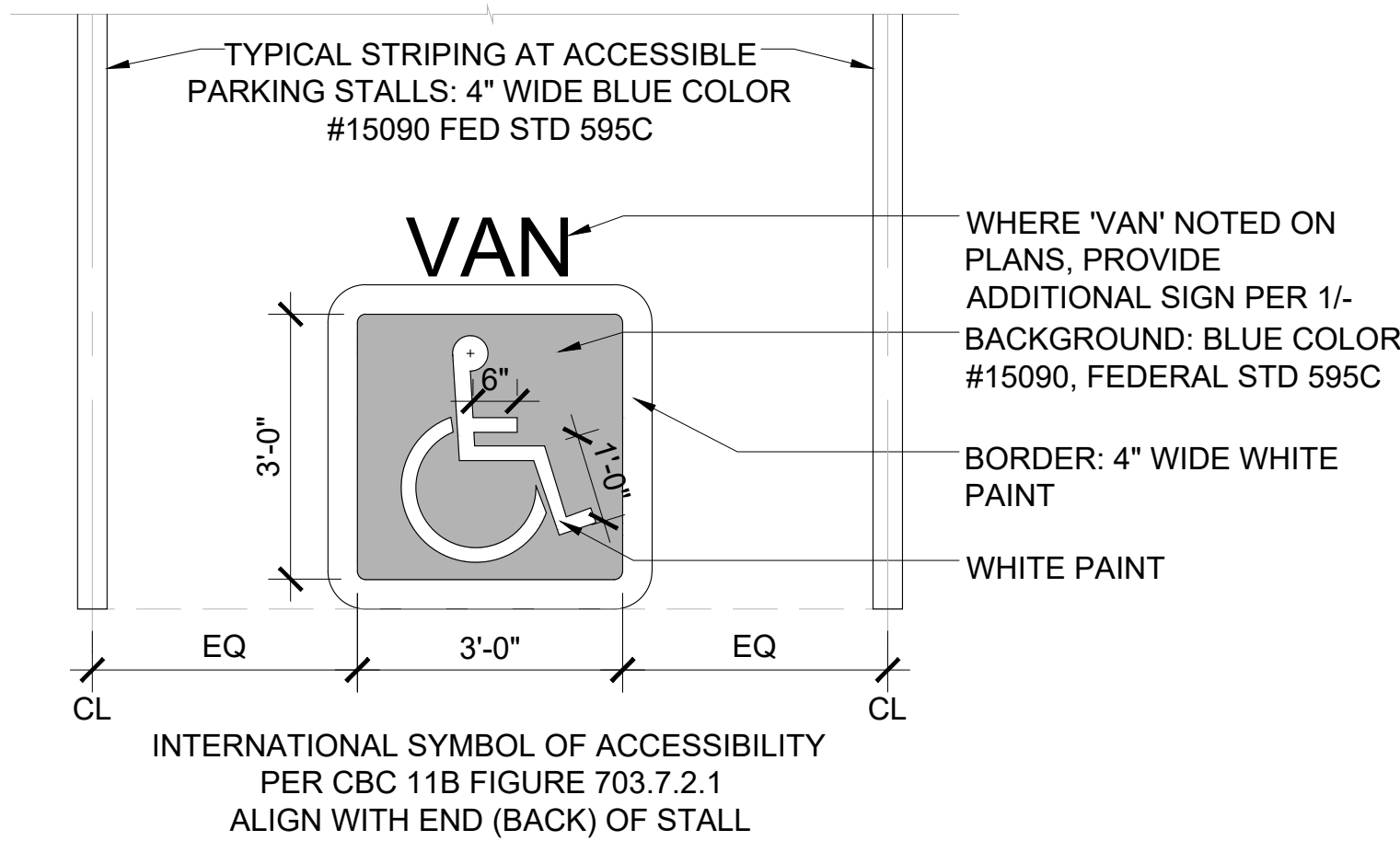
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DRAWING NUMBER
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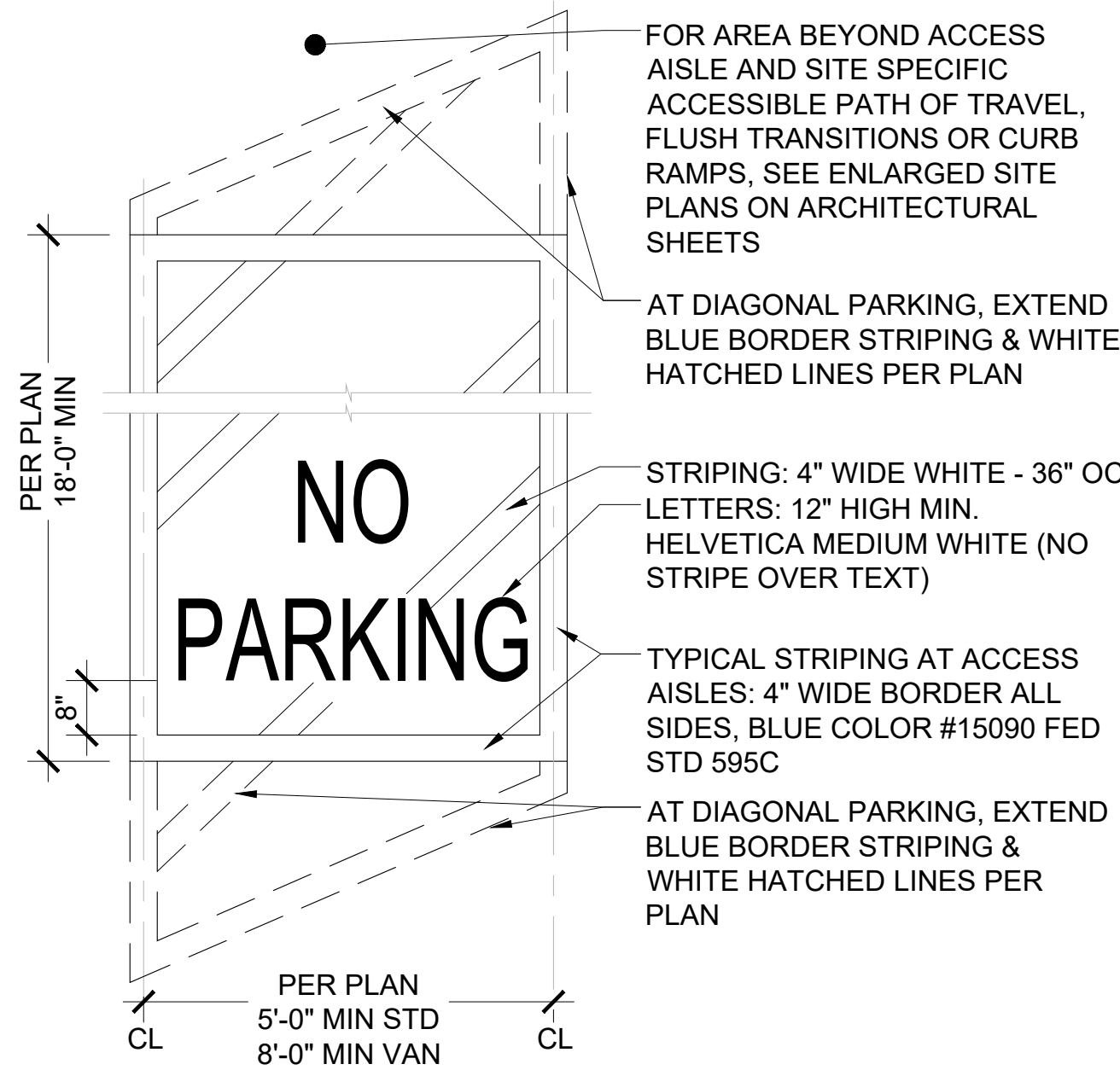
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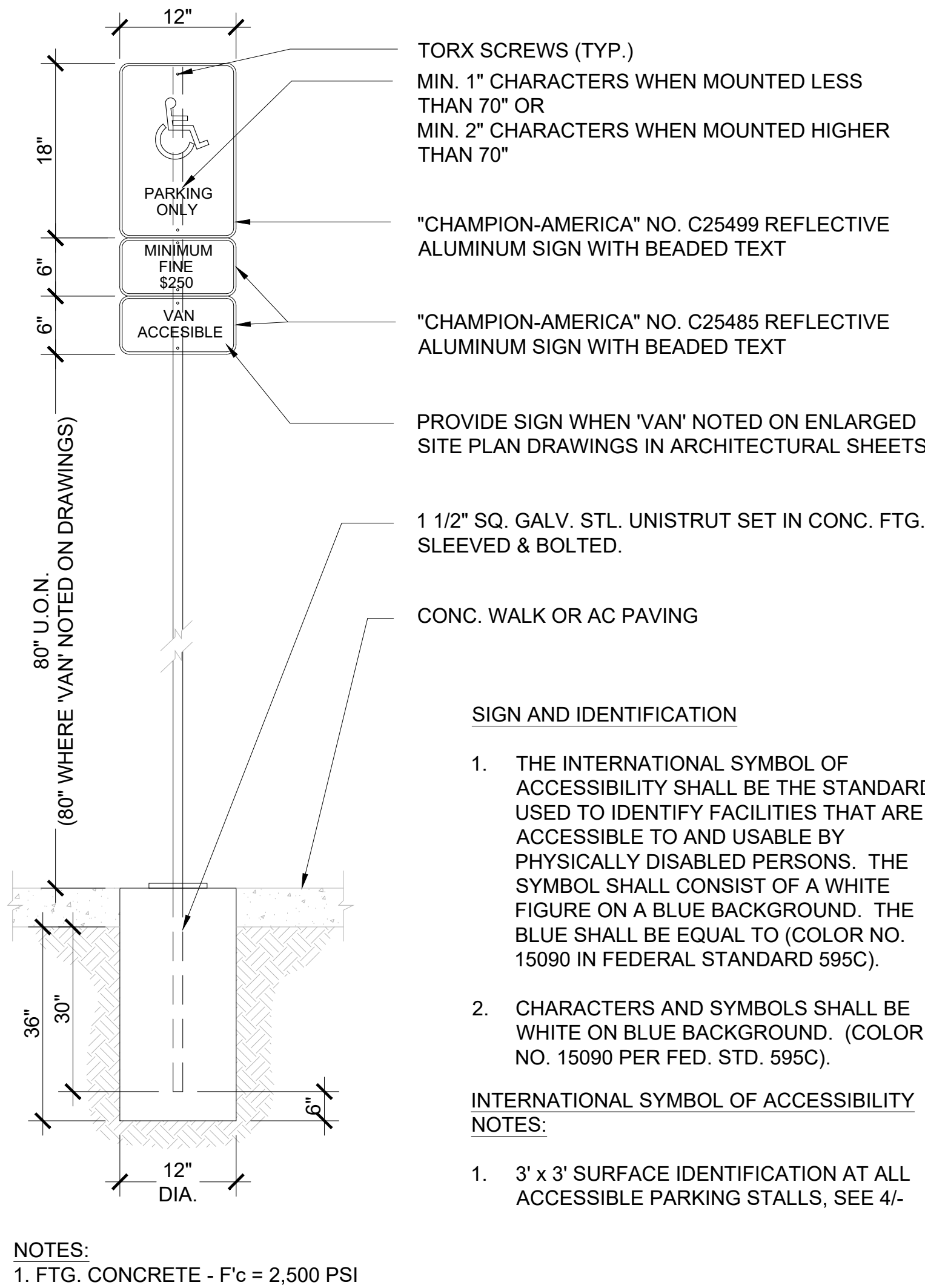
3 CONCRETE WHEEL STOP
Scale: 1/2" = 1'



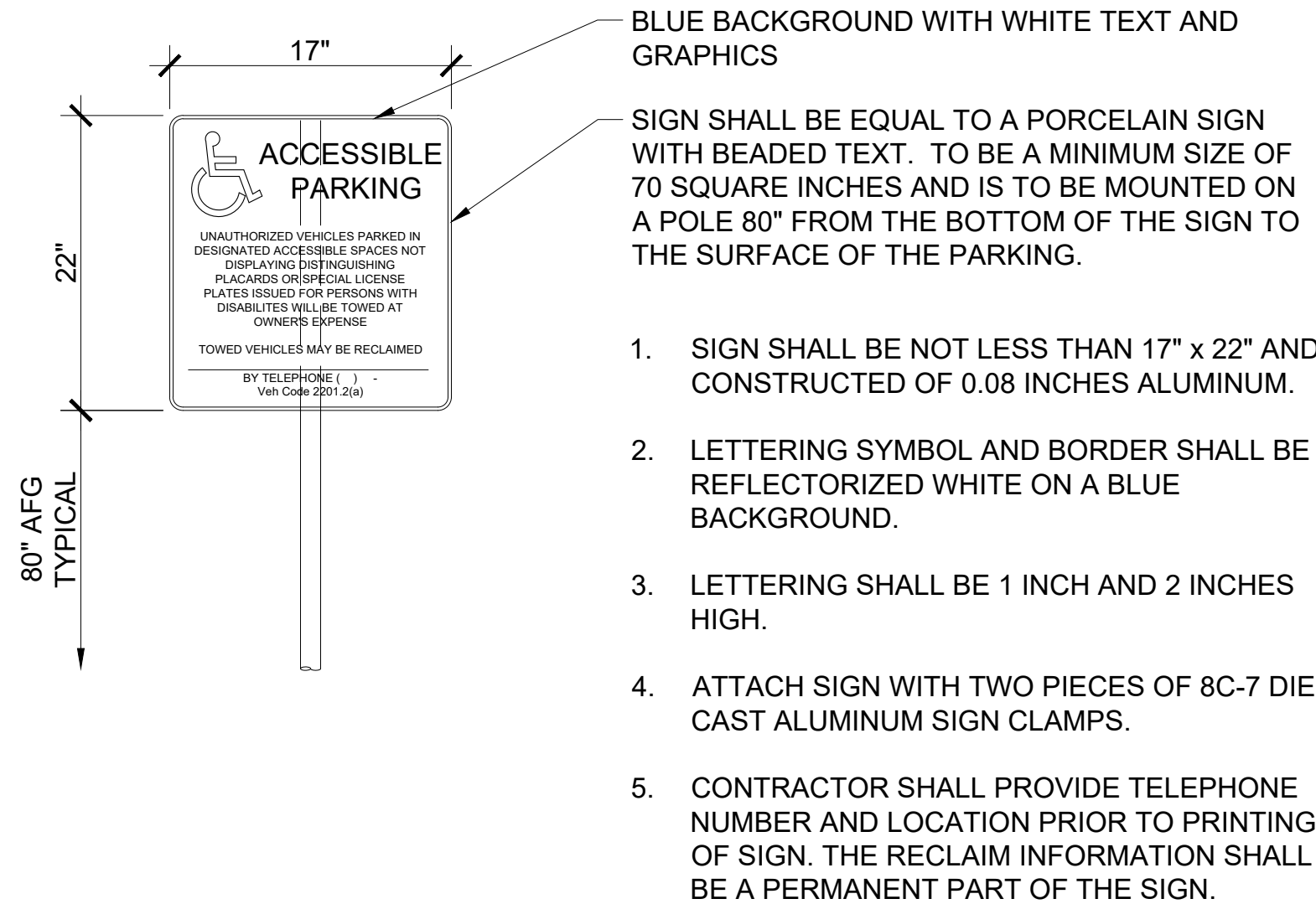
4 ACCESSIBLE PARKING STRIPING
Scale: 1/2" = 1'



5 ACCESSIBLE ACCESS AISLE STRIPING
Scale: 1/2" = 1'



1 ACCESSIBLE PARKING SIGN
Scale: 1" = 1'



2 SITE ACCESSIBILITY TOW AWAY SIGN
Scale: 1" = 1'

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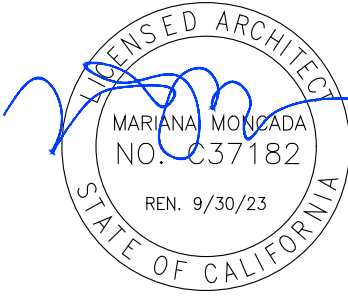
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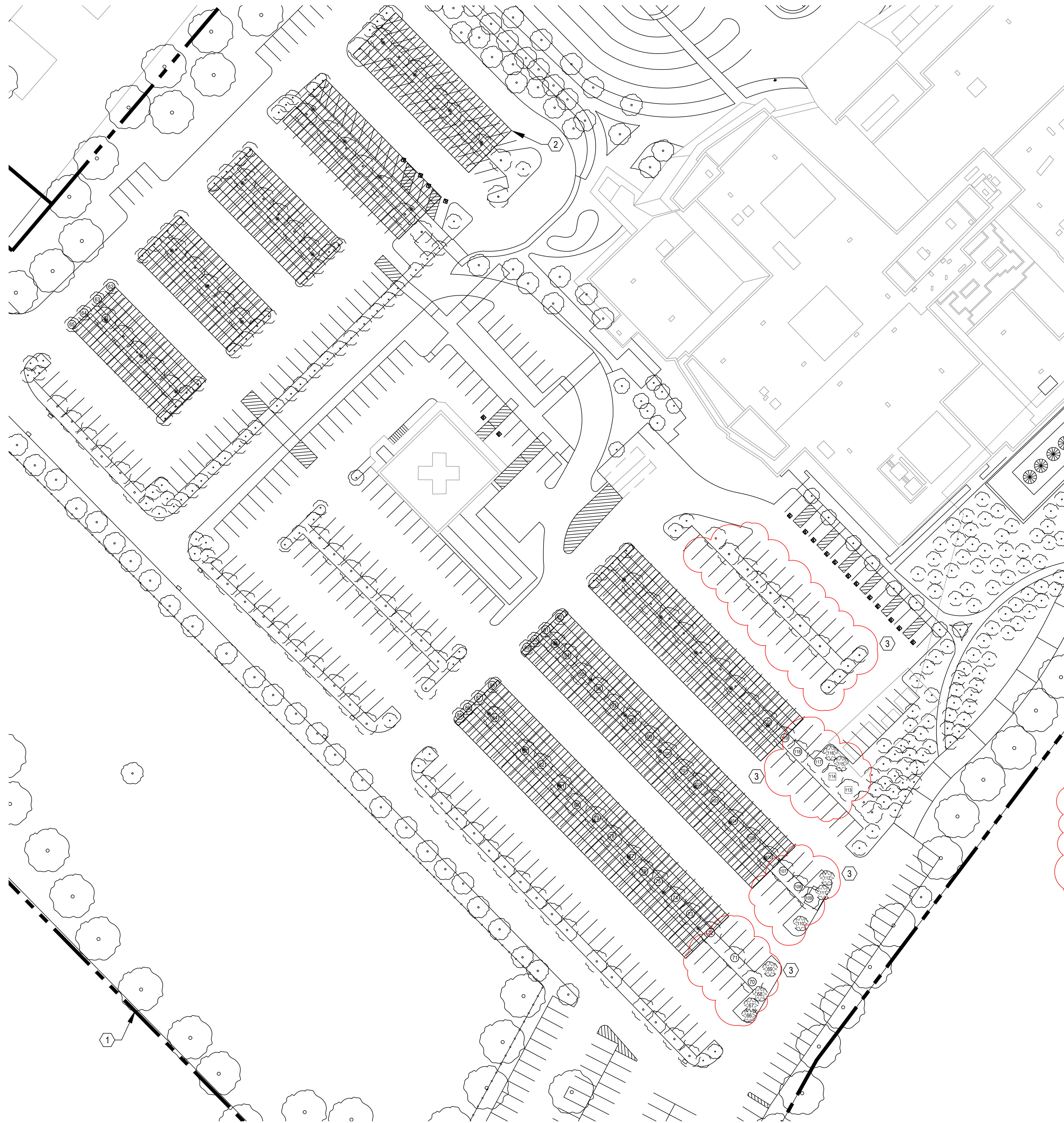
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DRAWING TITLE
**ACCESSIBLE
PARKING
STANDARDS**

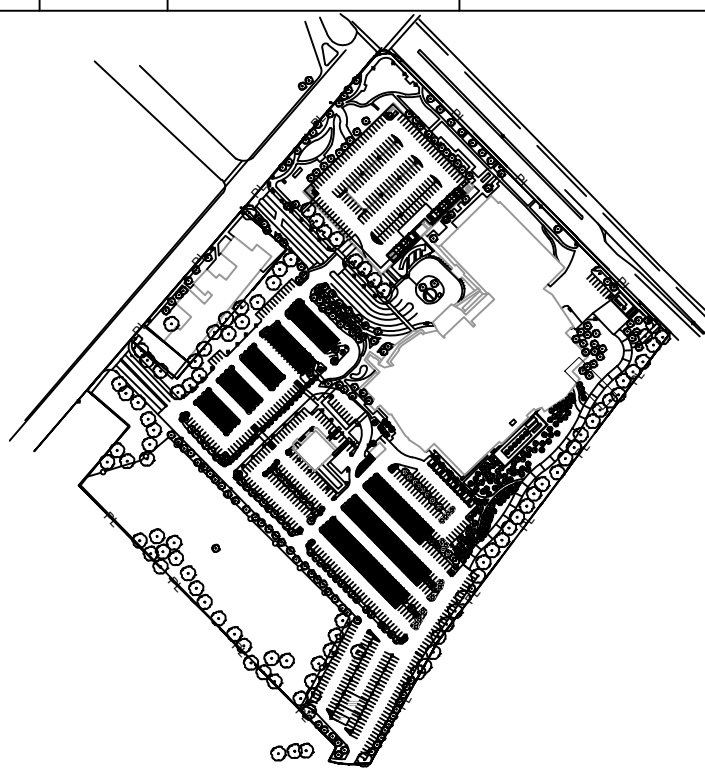
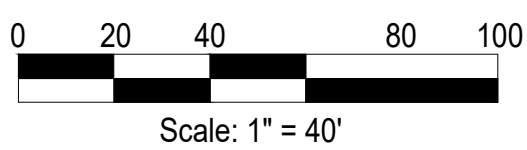
PROJECT NO. **74129-00**

DRAWING NUMBER
MP-A1.2

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1 TREE REMOVAL PLAN
SCALE: 1" = 40'



KEY PLAN

TREE IDENTIFICATION TABLE

TREE ID #	SPECIES	DBH	HEALTH	PROTECTION STATUS
61	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
62	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
63	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
64	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
65	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
66	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
67	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
68	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
69	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
70	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
71	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
72	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
73	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
74	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
75	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
76	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
77	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
78	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
79	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
80	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
81	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
82	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
83	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
84	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
85	AMERICAN HORNBEAN	1"-6"	40%-POOR	NON-PROTECTED
86	AMERICAN HORNBEAN	1"-6"	40%-POOR	NON-PROTECTED
87	AMERICAN HORNBEAN	1"-6"	40%-POOR	NON-PROTECTED
88	AMERICAN HORNBEAN	1"-6"	40%-POOR	NON-PROTECTED
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107	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
108	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
109	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
110	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
111	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
112	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
113	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
114	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
115	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
116	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
117	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
118	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
119	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
120	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED

KEYED NOTES

- PROPERTY LINE
- ARRAY OUTLINE
- SOLAR MODULES REMOVED

LEGEND

- # TREE TO BE REMOVED
- # PROTECTED TREE RETAINED WITH SOLAR LAYOUT REVISION
- # UNPROTECTED TREE RETAINED WITH SOLAR LAYOUT REVISION

TREE REMOVAL SUMMARY

COMMON NAME & SCIENTIFIC NAME OF TREE	NO. OF TREES	PROTECTION STATUS
ALLEE CHINESE ELM (ULMUS PARVIFOLIA CV)	73	NON-PROTECTED
AMERICAN HORNBEAM (CARPINUS CAROLINIANA)	45	NON-PROTECTED
RED MAPLE (ACER RUBRUM)	3	NON-PROTECTED
COST REDWOOD (SEQUOIA SEMPERVIRENS)	0	PROTECTED
TOTAL	121	

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PHOTOVOLTAIC AND BATTERY INSTALLATION

SEALS AND SIGNATURES

NOT FOR
CONSTRUCTION

REV	ISSUED FOR	DATE
0	PLANNING SUBMITTAL	20 APRIL 2023
1	PLANNING SUBMITTAL	10 JAN 2024
2	PLANNING SUBMITTAL	23 MAY 2025

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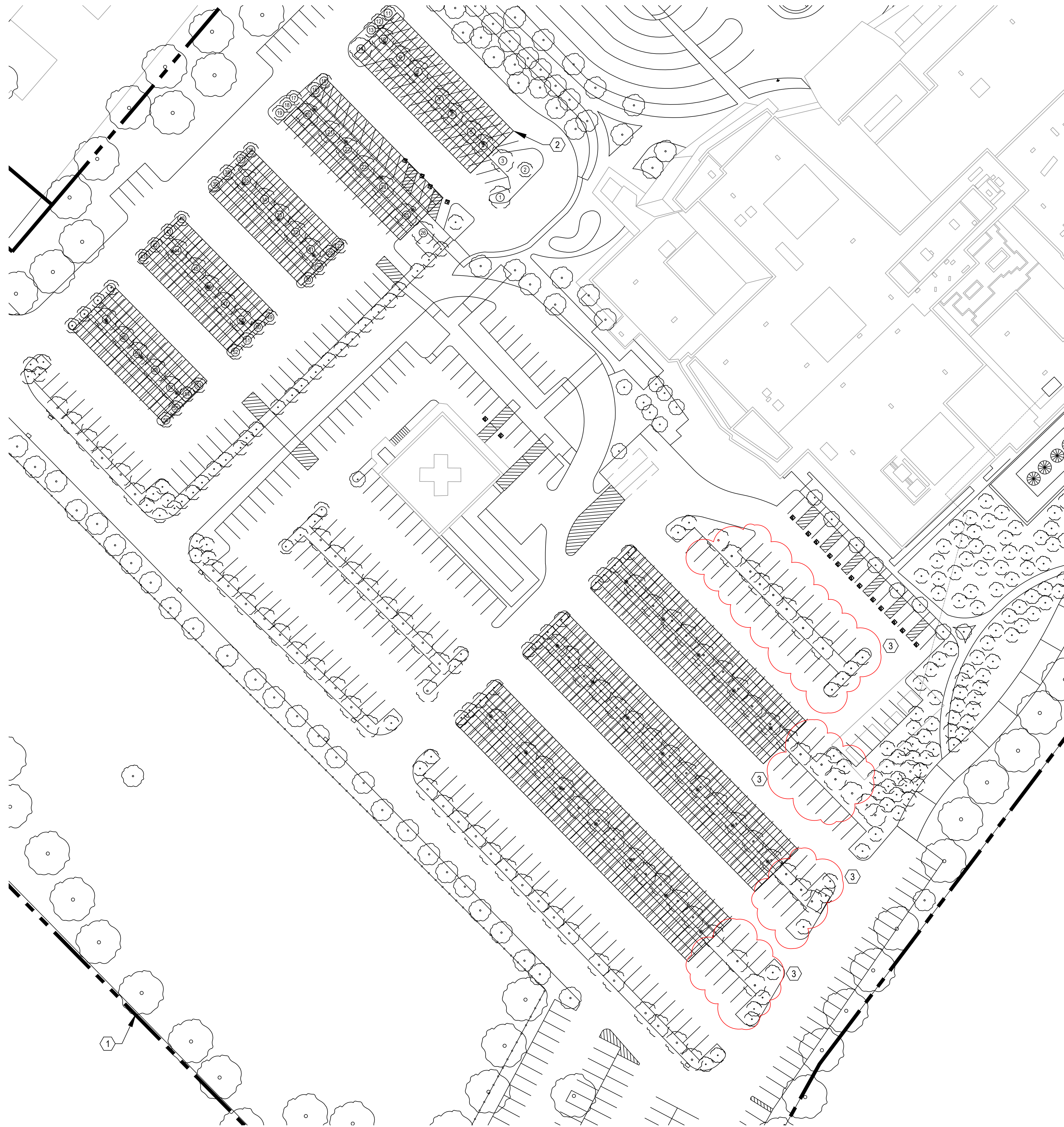
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TREE REMOVAL
PLAN

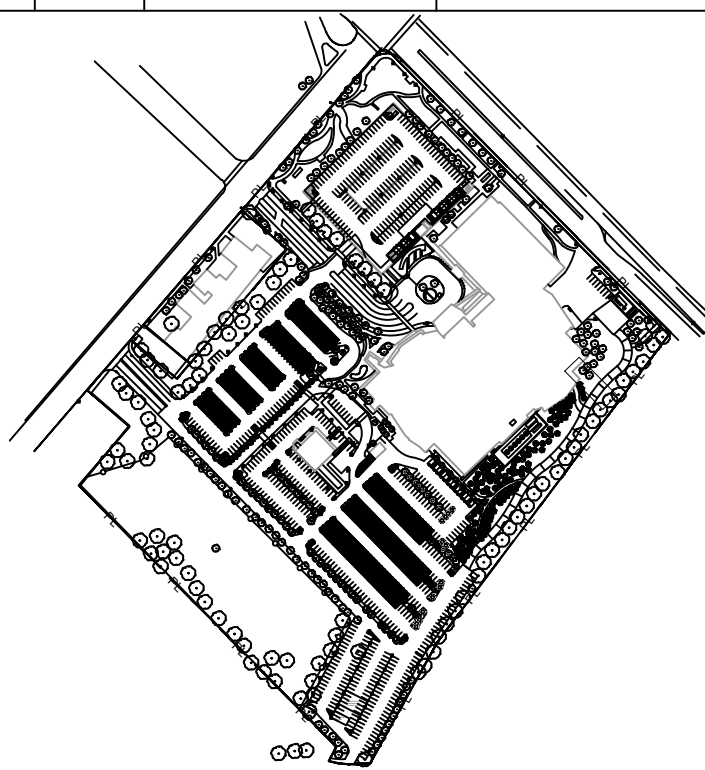
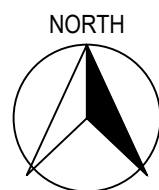
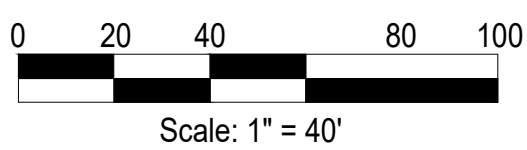
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1 TREE REMOVAL PLAN
SCALE: 1" = 40'



TREE IDENTIFICATION TABLE

TREE ID #	SPECIES	DBH	HEALTH	PROTECTION STATUS
1	RED MAPLE	6"	40%-POOR	NON-PROTECTED
2	RED MAPLE	6"	40%-POOR	NON-PROTECTED
3	RED MAPLE	6"	40%-POOR	NON-PROTECTED
4	ALLEE CHINESE ELM	5"	60%-FAIR	NON-PROTECTED
5	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
6	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
7	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
8	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
9	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
10	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
11	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
12	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
13	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
14	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
15	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
16	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
17	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
18	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
19	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
20	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
21	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
22	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
23	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
24	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
25	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
26	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
27	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
28	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
29	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
30	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
31	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
32	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
33	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
34	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
35	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
36	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
37	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
38	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
39	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
40	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
41	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
42	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
43	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
44	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
45	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
46	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
47	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
48	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
49	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
50	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
51	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
52	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
53	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
54	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
55	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
56	AMERICAN HORNBEAN	1"-6"	80%-GOOD	NON-PROTECTED
57	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
58	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
59	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
60	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED

KEYED NOTES

- PROPERTY LINE
- ARRAY OUTLINE
- SOLAR MODULES REMOVED

LEGEND

- # TREE TO BE REMOVED

TREE REMOVAL SUMMARY

COMMON NAME & SCIENTIFIC NAME OF TREE	NO. OF TREES	PROTECTION STATUS
ALLEE CHINESE ELM (ULMUS PARVIFOLIA CV)	73	NON-PROTECTED
AMERICAN HORNBEAM (CARPINUS CAROLINIANA)	45	NON-PROTECTED
RED MAPLE (ACER RUBRUM)	3	NON-PROTECTED
COST REDWOOD (SEQUOIA SEMPERVIRENS)	0	PROTECTED
TOTAL	121	

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SEALS AND SIGNATURES

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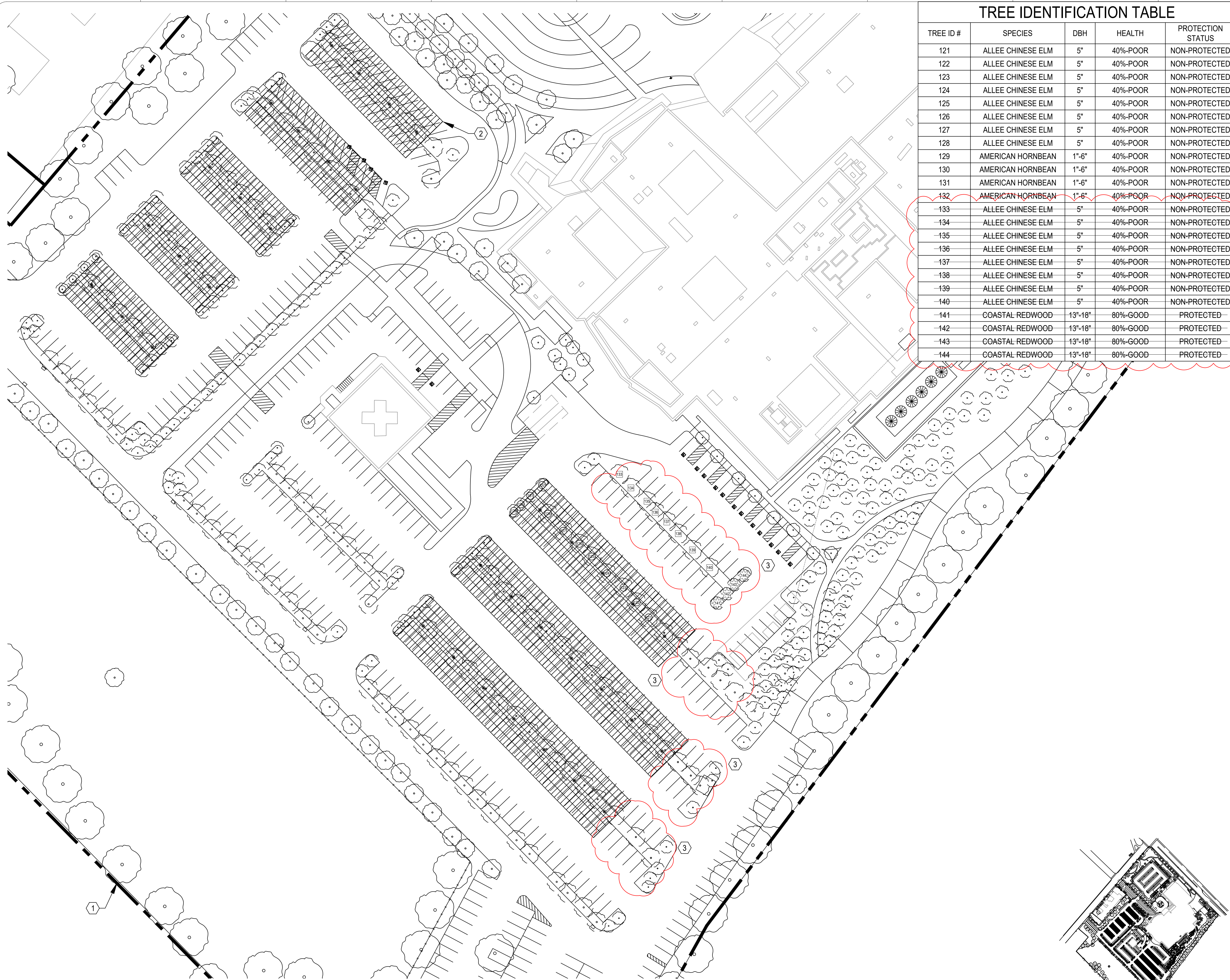
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TREE REMOVAL
PLAN

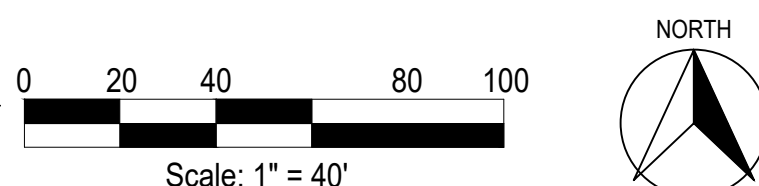
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1 TREE REMOVAL PLAN
SCALE: 1" = 40'



TREE IDENTIFICATION TABLE				
TREE ID #	SPECIES	DBH	HEALTH	PROTECTION STATUS
121	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
122	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
123	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
124	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
125	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
126	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
127	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
128	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
129	AMERICAN HORNBEAN	1"-6"	40%-POOR	NON-PROTECTED
130	AMERICAN HORNBEAN	1"-6"	40%-POOR	NON-PROTECTED
131	AMERICAN HORNBEAN	1"-6"	40%-POOR	NON-PROTECTED
132	AMERICAN HORNBEAN	1"-6"	40%-POOR	NON-PROTECTED
133	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
134	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
135	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
136	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
137	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
138	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
139	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
140	ALLEE CHINESE ELM	5"	40%-POOR	NON-PROTECTED
141	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
142	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
143	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED
144	COASTAL REDWOOD	13"-18"	80%-GOOD	PROTECTED

KEYED NOTES

1. PROPERTY LINE

2. ARRAY OUTLINE

3. SOLAR MODULES REMOVED

LEGEND

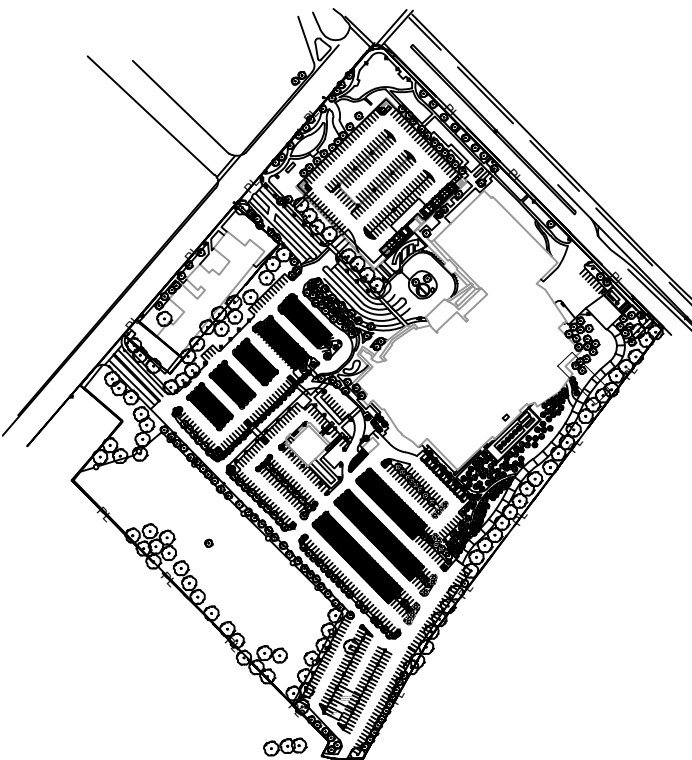
TREE TO BE REMOVED

PROTECTED TREE RETAINED WITH SOLAR LAYOUT REVISION

UNPROTECTED TREE RETAINED WITH SOLAR LAYOUT REVISION

TREE REMOVAL SUMMARY

COMMON NAME & SCIENTIFIC NAME OF TREE	NO. OF TREES	PROTECTION STATUS
ALLEE CHINESE ELM (ULMUS PARVIFOLIA CV)	73	NON-PROTECTED
AMERICAN HORNBEAM (CARPINUS CAROLINIANA)	45	NON-PROTECTED
RED MAPLE (ACER RUBRUM)	3	NON-PROTECTED
COST REDWOOD (SEQUOIA SEMPERVIRENS)	0	PROTECTED
TOTAL	121	



KEY PLAN

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PHOTOVOLTAIC AND BATTERY INSTALLATION

SEALS AND SIGNATURES

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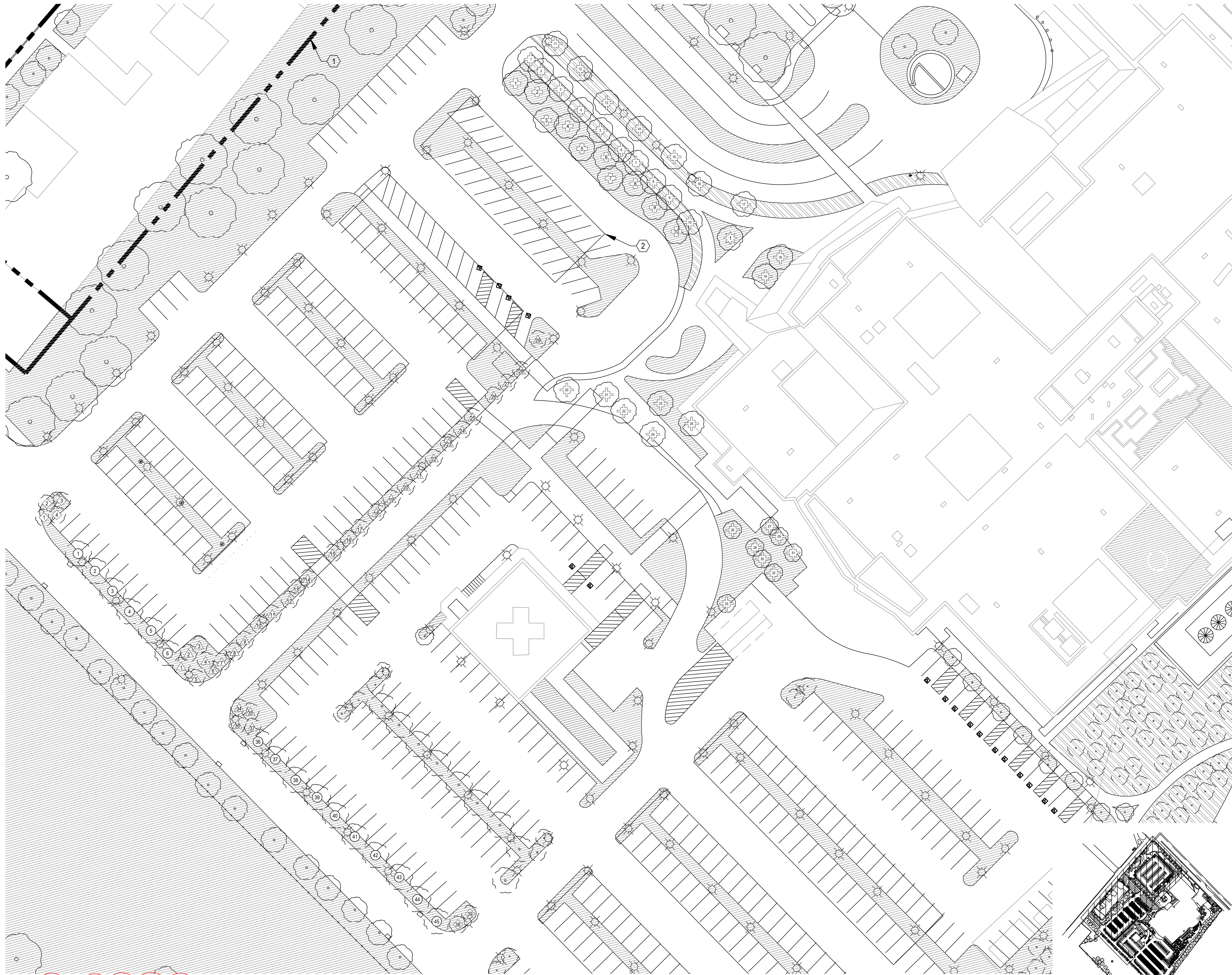
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TREE REMOVAL PLAN

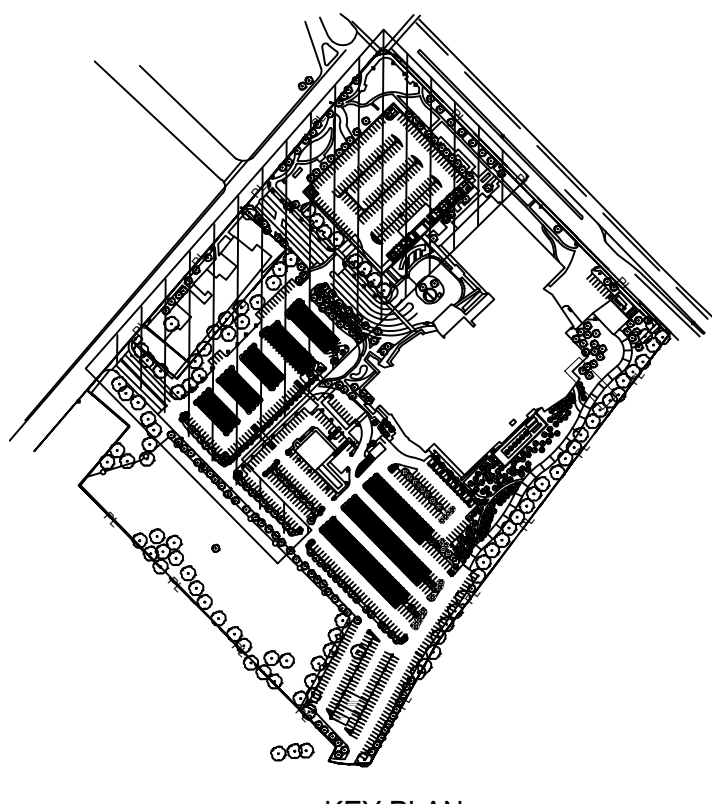
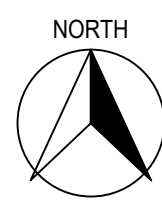
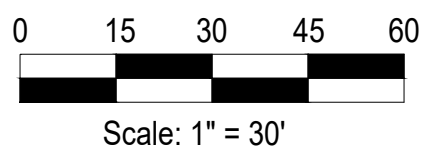
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DRAWING NUMBER G102

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1 EXISTING LANDSCAPING
SCALE: 1" = 30'



SHEET NOTES

1. PLAN SHOWS LANDSCAPING THAT WILL REMAIN AND BE UNAFFECTED BY THE PROPOSED SOLAR PROJECT.

KEYED NOTES

1. PROPERTY LINE
2. ARRAY OUTLINE

LEGEND

- COPROSMA PUMILA 'VERDE VISTA'
- VINCA MINOR 'BOWLES'

TREES DETAIL

	COMMON NAME & SCIENTIFIC NAME OF TREE	NO. OF TREES
#	ALLEE CHINESE ELM (ULMUS PARVIFOLIA CV)	16
#	COST REDWOOD (SEQUOIA SEMPERVIRENS)	00
#	AMERICAN HORNBEAM (CARPINUS CAROLINIANA)	06
△	RED MAPLE (ACER RUBRUM)	33
#	AKEBONO YOSHINO CHERRY (PRUNUS X YEDOENSIS CV)	00
#	PAPER BIRCH (BETULA PAPYRIFERA)	00
☆	PIN OAK (QUERCUS PALUSTRIS)	00
+	PYRUS CALLERYANA 'ARISTOCRAT' (ORNAMENTAL FLOWERING PEAR)	33
+	SEQUOIA SEMPERVIRENS 'APTOS BLUE' (COST REDWOOD)	10
☆	OLEA EUROPAEA 'SWAN HILL' (FRUITLESS OLIVE)	1
	TOTAL	99

SEALS AND SIGNATURES

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EXISTING LANDSCAPING

PROJECT NO. 74129-00

DRAWING NUMBER
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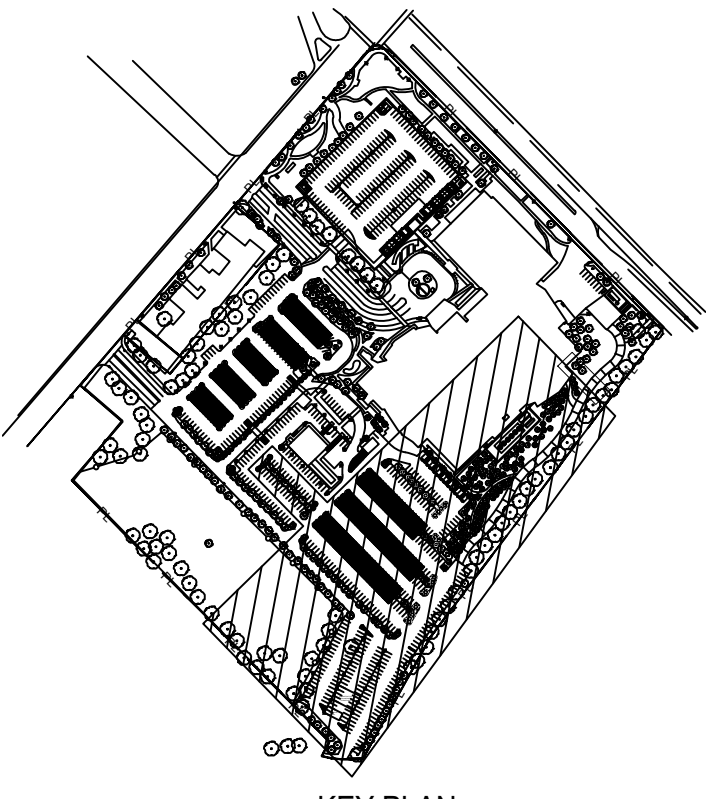
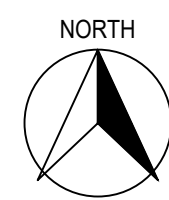
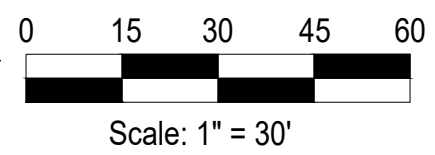
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1 EXISTING LANDSCAPING
SCALE: 1" = 30'



SHEET NOTES

1. PLAN SHOWS LANDSCAPING THAT WILL REMAIN AND BE UNAFFECTED BY THE PROPOSED SOLAR PROJECT.

- # KEYED NOTES
1. PROPERTY LINE
2. ARRAY OUTLINE

LEGEND

	COPROSMA PUMILA 'VERDE VISTA'
	VINCA MINOR 'BOWLES'

TREES DETAIL

	COMMON NAME & SCIENTIFIC NAME OF TREE	NO. OF TREES
#	ALLEE CHINESE ELM (ULMUS PARVIFOLIA CV)	27
#	COST REDWOOD (SEQUOIA SEMPERVIRENS)	84
#	AMERICAN HORNBEAM (CARPINUS CAROLINIANA)	11
△	RED MAPLE (ACER RUBRUM)	00
#	AKEBONO YOSHINO CHERRY (PRUNUS X YEDOENSIS CV)	27
#	PAPER BIRCH (BETULA PAPYRIFERA)	22
☆	PIN OAK (QUERCUS PALUSTRIS)	04
+	PYRUS CALLERYANA 'ARISTOCRAT' (ORNAMENTAL FLOWERING PEAR)	00
+	SEQUOIA SEMPERVIRENS 'APTOS BLUE' (COST REDWOOD)	00
☆	OLEA EUROPAEA 'SWAN HILL' (FRUITLESS OLIVE)	00
	TOTAL	175

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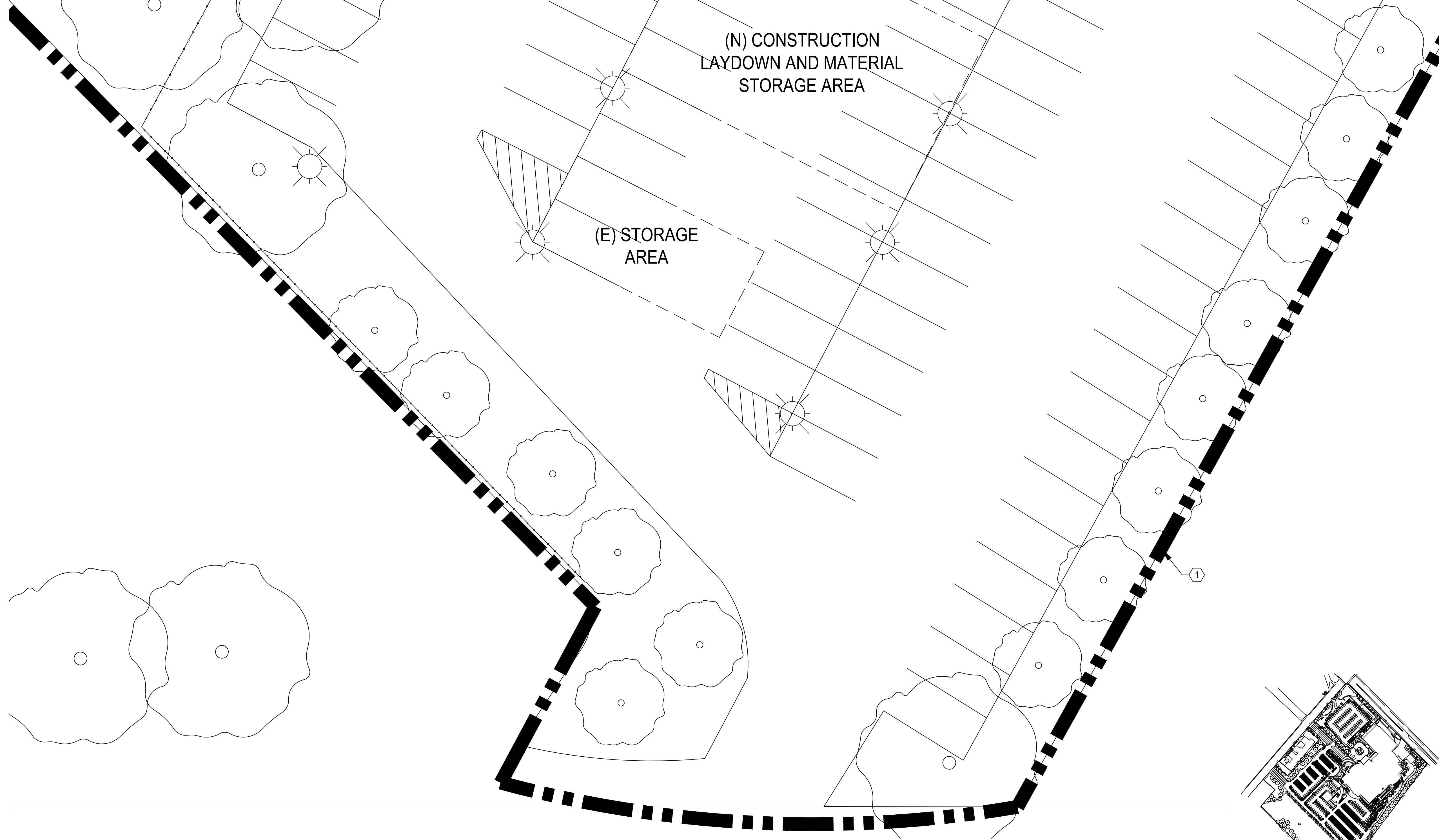
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EXISTING LANDSCAPING

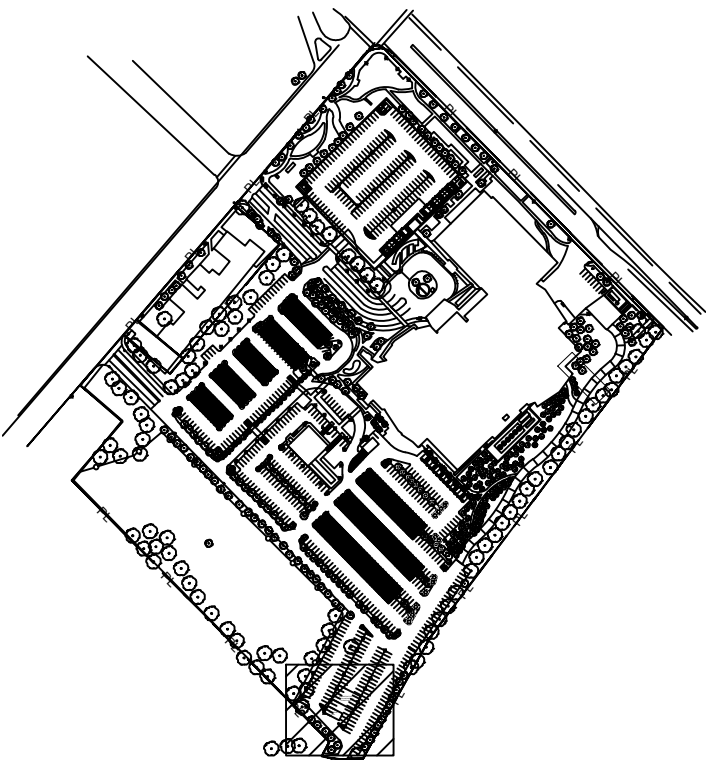
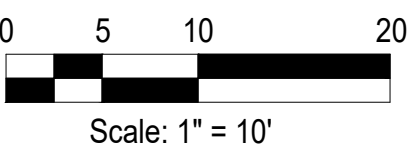
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1 CONSTRUCTION LAYOUT
SCALE: 0.008289



SHEET NOTES

1. CONSTRUCTION LAYDOWN AND MATERIAL STORAGE AREA TO BE IN UNUSED PARKING LOT ADJACENT TO SOLAR ARRAYS, TO THE SOUTHWEST. NO LANDSCAPING OUTSIDE OF THE SOLAR ARRAY AREAS WILL BE AFFECTED DURING CONSTRUCTION.

KEYED NOTES

1. PROPERTY LINE

LEGEND

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DRAWING TITLE

**CONSTRUCTION
LAYOUT**

PROJECT NO. **74129-00**

DRAWING NUMBER

G105

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DESIGN CRITERIA

BUILDING CODE: 2022 CALIFORNIA BUILDING CODE, REFERRED TO AS "THE CODE"
GOVERNING JURISDICTION: CITY OF BURLINGAME, CALIFORNIA
OCCUPANCY TYPE: S-2

ROOF LIVE LOADS:
DISTRIBUTED = 12 PSF *
POINT LOAD = 300 LBS **

* NON-CONCURRENT W/ PV PANEL DEAD LOAD & WIND LOAD
** CONCURRENT W/ PV PANEL DEAD

SNOW LOADS:
MAXIMUM GROUND SNOW LOAD = 0 PSF

WIND ANALYSIS, DIRECTIONAL PROCEDURE PER ASCE 7, CHAPTER 27
BASIC WIND SPEED, V = 92 MPH
WIND EXPOSURE = CATEGORY C
RISK CATEGORY = II
GUST EFFECT FACTOR, G = 0.85
INTERNAL PRESSURE COEFFICIENT, GCp1 = ±0

SEISMIC CRITERIA:
SITE CLASSIFICATION = D
RISK CATEGORY = II
SEISMIC DESIGN CATEGORY = D
SEISMIC ANALYSIS: ASCE 7-16, CHAPTER 15
SEISMIC FORCE-RESISTING SYSTEM = INVERTED PENDULUM
RESPONSE MODIFICATION COEFFICIENT, R = 2.0
SYSTEM OVERSTRENGTH FACTOR, Qo = 2.0
DEFLECTION AMPLIFICATION FACTOR, Cd = 2.0
SEISMIC IMPORTANCE FACTOR, IE = 1.0
REDUNDANCY FACTOR, ρ = 1.0 longitudinal
REDUNDANCY FACTOR, ρ = 1.3 transverse
Ss = 2.207g, Sds = 1.471g
SI = 0.919g
SEISMIC BASE SHEAR.....Cs = 0.736W

GENERAL

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. DO NOT SCALE THE DRAWINGS. THE ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES. SUBMIT CLARIFICATION REQUEST PRIOR TO PROCEEDING WITH WORK.
- ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY DEVIATION FROM THE APPROVED SET OF CONTRACT DOCUMENTS SHALL ONLY BE MADE AFTER WRITTEN APPROVAL BY THE ENGINEER OF RECORD. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE.
- THE STRUCTURES IN THESE CONTRACT DOCUMENTS ARE PROPRIETARY TO TEICHERT ENERGY & UTILITIES GROUP, INC. DBA TEICHERT SOLAR. THESE STRUCTURES MAY NOT GO OUT TO BID AND MUST BE BUILT BY TEICHERT SOLAR.
- NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK. UNLESS NOTED OTHERWISE, DETAILS IN STRUCTURAL DRAWINGS ARE TYPICAL AS INDICATED BY CUTS, REFERENCES OR TITLES.
- ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING LOCAL BUILDING CODE, AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
- THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
- ALL REFERENCED STANDARDS (i.e. ACI, AISC, ASTM, ETC.) SHOWN IN THESE DOCUMENTS SHALL BE PER THE LATEST ADOPTED EDITION AS LISTED IN CHAPTER 35 OF THE CODE.
- THE CONTRACTOR TO PROVIDE A LIST OF ALL PROPOSED SUBSTITUTIONS, WITH APPLICABLE MANUFACTURER'S ICC/IAQMO REPORTS, TO ARCHITECT, ENGINEER OF RECORD AND GOVERNING JURISDICTION FOR REVIEW AND APPROVAL BEFORE FABRICATION.

POST-INSTALLED CONCRETE ANCHORS

- POST-INSTALLED ANCHORAGE SHALL BE AS DETAILED ON THE PLANS. SUBSTITUTION OF PRODUCTS SPECIFICALLY DETAILED IN THESE DRAWINGS SHALL NOT BE ALLOWED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER OF RECORD.
- SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHORS, U.N.O.
- WHERE ANCHOR TYPE IS NOT NOTED OR AN ALTERNATE BRAND IS PREFERRED, THE FOLLOWING PRODUCTS ARE ACCEPTABLE TO BE SUBMITTED FOR A SUBSTITUTION REQUEST.

EXPANSION ANCHORS
a. HILTI KWIK BOLT TZ2 (ICC ESR-4266)
b. SIMPSON STRONG-BOLT-2 (ICC ESR-3037)
c. POWERS POWER-STUD +SD2 (ICC ESR-2502)
d. ALTERNATE APPROVED BY THE SEOR

- ALL CONCRETE ANCHORS WHICH ARE EXPOSED TO THE WEATHER SHALL BE STAINLESS STEEL OR HOT DIP GALVANIZED.

FOUNDATIONS

- FOUNDATION DESIGN BASED ON THE FOLLOWING GEOTECHNICAL REPORT: COMPANY: SMITH & ANNALA ENGINEERING CO.
DATE: MARCH 24, 2023
REPORT NUMBER: 20 22 2431
- DRILLED PIERS ARE DESIGNED BASED ON THE FOLLOWING INFORMATION: ALLOWABLE LATERAL BEARING PRESSURE = 375 PSF
ALLOWABLE END BEARING PRESSURE = 8000 PSF BELOW 7 FT
ALLOWABLE SKIN FRICTION (UP AND DOWN) = 150 PSF/FT AT 1-5.5 FT
ALLOWABLE SKIN FRICTION (UP AND DOWN) = 300 PSF/FT AT 5-7 FT
ALLOWABLE SKIN FRICTION (UP AND DOWN) = 400 PSF/FT AT 7-10 FT
ALLOWABLE SKIN FRICTION (UP AND DOWN) = 500 PSF/FT AT 10-12 FT
ALLOWABLE SKIN FRICTION (UP AND DOWN) = 600 PSF/FT AT 12-15 FT
- DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER, OR SEEPAGE SHOULD BE PERFORMED, IF REQUIRED.
- FOUNDATIONS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE INSPECTOR OR SOILS ENGINEER, FOUNDATION ELEVATIONS WILL BE ALTERED.
- FOOTING BACKFILL AND UTILITY TRENCH BACKFILL SHALL BE MECHANICALLY COMPACTED IN LAYERS IN ACCORDANCE WITH THE SOILS REPORT OR BACKFILLED WITH 2-SACK SAND CEMENT SLURRY AND APPROVED BY THE SPECIAL INSPECTOR. SOILS REPORT SHALL TAKE PRECEDENT WHEN RECOMMENDATION GIVEN.
- CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- SOIL REMOVAL AND RECOMPACTION SHALL BE PER THE SOILS REPORT AND APPROVED CONTRACT DOCUMENTS.
- THE DRILLED PIERS MUST BE INSPECTED BY THE SOILS ENGINEER PRIOR TO PLACING CONCRETE AND REINFORCING STEEL. ADJUST SHAFT LENGTHS UNDER APPROVED BY THE SOILS ENGINEER AND THE OWNER'S REPRESENTATIVE BASED ON SOIL CONDITIONS AT TIME OF DRILLING.
- PRECAUTIONS SHOULD BE TAKEN DURING THE INSTALLATION OF PIERS TO MINIMIZE THE POSSIBILITY OF CAVING. PIERS SPACED CLOSER 3 PIER DIAMETERS SHOULD BE DRILLED AND FILLED ALTERNATELY, ALLOWING THE CONCRETE TO SET AT LEAST EIGHT HOURS BEFORE DRILLING AN ADJACENT HOLE.
- PIER EXCAVATIONS SHOULD BE FILLED WITH CONCRETE WITHIN 72 HOURS OR AS NOTED IN THE SOILS REPORT AFTER DRILLING AND INSPECTION, WHICHEVER IS SOONER.
- KEEP EXCAVATIONS FREE OF WATER BEFORE PLACING CONCRETE UNLESS OTHERWISE APPROVED BY THE SOILS ENGINEER. IF UNABLE TO SEAL OFF WATER FLOW, PER THE APPROVAL OF THE SOILS ENGINEER, ALLOW WATER LEVEL TO RISE TO ITS NORMAL LEVEL, AND PLACE CONCRETE BY THE TREMIE METHOD OR OTHER APPROVED METHOD.
- PLACE REINFORCING STEEL IN ONE CONTINUOUS UNIT AND ACCURATELY HOLD SECURELY IN FINAL POSITION USING CHAIRS OR SPACERS DURING CONCRETE PLACEMENT.
- AN UNREINFORCED HEIGHT OF 18 INCHES AT THE BOTTOM OF THE SHAFT IS ACCEPTABLE.
- CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF ACI 336.3R, LATEST EDITION.

CONCRETE

- ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH THE CODE AND WITH THE PROVISIONS OF ACI 318 AND ACI 301.
- CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER.
 - MIX DESIGN METHODS (TEST HISTORY OR TRIAL BATCH METHOD) PER THE CODE SHALL BE USED TO PROPORTION CONCRETE. SUBMIT MIX DESIGN METHOD DATA.
 - MIX DESIGNS SHALL SATISFY EITHER THE SHRINKAGE CRITERIA OR THE W/C RATIO AND TOTAL WATER CRITERIA.
- SCHEDULE OF STRUCTURAL CONCRETE PERFORMANCE REQUIREMENTS:

MINIMUM CONCRETE PROPERTIES			
ELEMENT	f'c @ 28 DAYS [PSI]	MAX W/C	MAX DENSITY [PCF]
PIER FOUNDATIONS	5,000	0.50	150
EQUIPMENT PADS & MISC.	3,000	0.50	150

- PORTLAND CEMENT SHALL CONFORM TO ASTM C-150 TYPE II
- AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
- CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C94.
- PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 301 AND PROJECT SPECIFICATIONS. CLEAN AND ROUGHEN TO MIN. 1/2" AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED.
- ALL REINFORCING BARS, ANCHOR BOLTS, AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- PIPES OR CONDUITS LARGER THAN 4" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY PERMITTED OR APPROVED BY STRUCTURAL ENGINEER. PIPES OR CONDUITS SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS. SPACE THE PIPES OR CONDUITS SUCH THAT PROPER CONCRETE PLACEMENT AND CONSOLIDATION IS ACHIEVED.
- PROVIDE MIN. 1/2" CHAMFER ON ALL EXPOSED CORNERS.
- THE STEEL STRUCTURES MAY BE INSTALLED 24 HOURS AFTER THE FOUNDATIONS HAVE BEEN CAST OR AFTER CONCRETE REACHES A MINIMUM COMPRESSIVE STRENGTH OF 1,000-PSI, WHICHEVER COMES FIRST. BREAK TESTS NOT REQUIRED IF WAITING UNTIL 24 HOURS TO ERECT STEEL.

REINFORCING STEEL

- REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 19 OF THE CODE, ASTM A615 (A706 WHERE NOTED ON PLANS), GRADE 60 U.N.O.
- BARS SHALL BE CLEAN OF RUST, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- REINFORCING BAR SPLICES SHALL, IN CONCRETE, CONFORM TO THE PROVISIONS OF ACI 318. LAP ALL HORIZONTAL BARS AT CORNERS AND INTERSECTIONS.
- BARS IN SLABS SHALL BE SECURELY SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, PRIOR TO PLACING CONCRETE.
- REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH ACI 315.
- COMPLETE AND DETAILED REINFORCING PLACEMENT DRAWINGS SHALL BE PREPARED AND SUBMITTED FOR REVIEW BY THE STRUCTURAL ENGINEER PRIOR TO FABRICATION IN ACCORDANCE WITH SPECIFICATIONS AND APPLICABLE CODES. THE APPROVED DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE PRIOR TO PLACING OF CONCRETE.
- REBAR SPACINGS GIVEN ARE MAXIMUM ON CENTER WHETHER STATED AS "O.C." OR NOT. UNLESS A SPECIFIED LENGTH IS GIVEN, ALL REBAR IS CONTINUOUS WHETHER STATED AS "CONT." OR NOT.
- MECHANICAL BAR SPLICES (COUPLERS) SHALL BE USED WHERE SPECIFIED ON PLANS. THEY MAY ALSO BE USED AT THE CONTRACTOR'S OPTION IN LIEU OF LAP SPLICES AND WHERE REINFORCING IS SHOWN CONTINUOUS THROUGH CONSTRUCTION JOINTS. UNLESS NOTED OTHERWISE, ALL MECHANICAL BAR SPLICES SHALL BE "TYPE 2" AS DEFINED BY ACI 318.
- COUPLERS SHALL BE AND BE LENTON A2 SERIES MECHANICAL SPLICES (IAQMO ER-0129), OR EQUIVALENT, AND INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS.
- CONTINUOUS INSPECTION OF CONCRETE SHALL INCLUDE INSPECTION DURING INSTALLATION OF REINFORCING STEEL. INSPECTION SHALL BE SCHEDULED SO THAT PLACEMENT OF REINFORCING STEEL, CONDUIT, SLEEVES, AND EMBEDDED ITEMS, MAY BE CORRECTED PRIOR TO THE SCHEDULED POUR.
- CONCRETE PROTECTION FOR REINFORCEMENT:
 - CAST-IN-PLACE CONCRETE: THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

MINIMUM CONCRETE COVER		
ELEMENT	COVER	TOLERANCE (+/-)
PERMANENTLY CAST AGAINST OR PERMANENTLY EXPOSED TO EARTH	3"	3/4"
EXPOSED TO EARTH OR WEATHER		
a) #6 THROUGH #18 BAR	2"	3/4"
b) #5 BAR OR SMALLER	1 1/2"	3/4"
NOT EXPOSED TO WEATHER OR CAST AGAINST GROUND	3/4"	1/4"

SUBMITTALS

- THE STRUCTURAL SHOP DRAWING REVIEW IS INTENDED TO HELP THE ENGINEER VERIFY THE DESIGN CONCEPT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CHECK THEIR OWN SHOP DRAWINGS.
- THE STRUCTURAL SHOP DRAWINGS WILL BE RETURNED FOR RESUBMITTAL IF A CURSORY REVIEW SHOWS MAJOR ERRORS WHICH SHOULD HAVE BEEN FOUND BY THE CONTRACTOR'S CHECKING.
- THE FOLLOWING SHOP DRAWINGS ARE NOT REQUIRED FOR SUBMITTAL FOR STRUCTURAL REVIEW:
 - SHORING AND BRACING.
 - UNSPICED REBAR AT SLAB-ON-GRADE AND SPREAD FOOTINGS.
 - FORMWORK.
 - STRUCTURAL STEEL MILL REPORTS.
- THE FOLLOWING SHOP DRAWINGS (AND CALCULATIONS WHEN APPLICABLE) ARE REQUIRED FOR SUBMITTAL FOR STRUCTURAL REVIEW:
 - CONCRETE MIX DESIGNS, INCLUDING STRENGTH TEST RESULTS
 - REINFORCING STEEL (EXCEPT WHERE NOTED BY NOTE 3 ABOVE)
 - STRUCTURAL STEEL
 - ANCHOR ROD CUT SHEET WITH DIAMETER, LENGTH, AND MATERIAL STRENGTH
 - WELDING PROCEDURE SPECIFICATIONS
- ANY SUBMITTAL OF A DETAIL SHEET WITH ADDED INFORMATION NOT SHOWN ON PLANS SHALL BE ACCOMPANIED BY LOCATION PLAN IDENTIFYING THE MEMBERS INVOLVED AND CLOUDING AROUND ADDED INFORMATION.
- THE SHOP DRAWINGS SHALL REFERENCE THE DATA OF THE DESIGN USED TO PRODUCE THE SUBMITTAL.
- CONTRACTOR/SUBCONTRACTOR TO PROVIDE DIGITAL SET OF SHOP DRAWINGS FOR REVIEW BY THE STRUCTURAL ENGINEER. DIGITAL SET WILL BE RETURNED TO THE CONTRACTOR FOR DISTRIBUTION.

COLD FORMED STEEL

- ALL COLD-FORMED METAL FRAMING CONSTRUCTION SHALL BE IN ACCORDANCE WITH AISI S100 "SPECIFICATIONS FOR DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS".
- ALL COLD-FORMED STEEL SHALL CONFORM TO THE FOLLOWING (U.N.O.):

43 MIL / 18GA AND LIGHTER	ASTM A1003, GR 33 OR ASTM 653, GR 33
54 MIL / 16 GA AND HEAVIER	ASTM A1003, GR 55 OR ASTM 653, GR 55 MIN. Fy = 55 ksi, MIN. Fu = 70 ksi
- ALL COLD-FORMED STEEL SHALL HAVE A MINIMUM COATING PROTECTION G90.
- WELDING IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY THE SEOR.
- ALL APPROVED WELDING SHALL BE PERFORMED BY WELDERS CERTIFIED FOR ALL APPROPRIATE DIRECTIONS COMPLYING WITH AWS D1.3. WELDING RODS SHALL CONFORM TO THE FOLLOWING:

43 MIL / 18GA AND LIGHTER	E60XX
54 MIL / 16 GA AND HEVIER	E70XX OR E6013
COLD FORMED TO STRUCTURAL STEEL	E70XX LOW HYDROGEN
- WIRE TYING OF FRAMING COMPONENTS SHALL NOT BE PERMITTED.
- TEMPORARY BRACING REQUIREMENTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL SCREWS SHALL BE FULLY DRIVEN AND PROTRUDE THE LARGER OF 3 THREADS OR 1/4" THROUGH THE LAST MATERIAL JOINED. THERE SHALL BE NO SPACE BETWEEN JOINING MEMBERS AT THE SCREW LOCATION.
- ALL FIELD CUTTING OF MEMBERS SHALL BE BY SAWING OR SHEARING. TORCH OR PLASMA CUTTING OF MEMBERS SHALL NOT BE PERMITTED.
- ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY FOR ATTACHMENT TO PERPENDICULAR MEMBERS OR AS REQUIRED ON AN ANGULAR FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD POSITIVELY IN PLACE UNTIL PROPERLY FASTENED.
- SPLICING OF PURLINS OR OTHER LOAD CARRYING MEMBERS SHALL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED BY THE ENGINEER OF RECORD.
- WHEN CLIP ANGLES WITH SCREW CONNECTIONS ARE USED TO ATTACH A COMPONENT TO THE PRIMARY STRUCTURE, THE CLIP ANGLE SHALL BE FASTENED TO THE PRIMARY STRUCTURE FIRST. THEN THE COMPONENT SHALL BE BROUGHT TO BEAR ON THE STRUCTURE AND FASTENED TO THE CLIP ANGLE.
- MEMBERS SHALL BE IDENTIFIED PER SECTION 2203.1 OF 2022 CBC PART 2, VOL. 2.
- ALL EXTERIOR SCREWS SHALL BE ELCO DRIL-FLEX (ICC ESR-3332) OR ITW BULDEX TEKS SELECT (ICC ESR-3223) UNLESS APPROVED BY THE SEOR.

STRUCTURAL INSPECTION AND TESTING

THE FOLLOWING ELEMENTS OF CONSTRUCTION SHALL REQUIRE SPECIAL INSPECTION PER CHAPTER 17 OF THE CODE. U.N.O.

TESTING AND INSPECTION		
	INSPECTIONS	TESTING
STEEL CONSTRUCTION	1706.2	1705.13
CONCRETE CONSTRUCTION	1705.3	1705.3
SOILS	1705.6	
CAST IN PLACE DEEP FOUNDATIONS	1705.8	

- THE SPECIAL INSPECTIONS IDENTIFIED ON PLANS ARE, IN ADDITION TO, AND NOT A SUBSTITUTE FOR, THOSE INSPECTIONS REQUIRED TO BE PERFORMED BY THE GOVERNING JURISDICTION. SPECIALLY INSPECTED WORK WHICH IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF AN INSPECTOR FROM THE GOVERNING JURISDICTION IS SUBJECT TO REMOVAL OR EXPOSURE.
- FOR CONTINUOUS INSPECTION, WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK IS SUCH THAT IT CANNOT BE CONTINUOUSLY OBSERVED IN ACCORDANCE WITH THE PROVISIONS OF THE CODE, IT IS THE AGENT'S RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF INSPECTORS TO ASSURE THAT ALL WORK IS INSPECTED IN ACCORDANCE WITH THOSE PROVISIONS.
- THE SPECIAL INSPECTORS MUST BE CERTIFIED BY THE GOVERNING JURISDICTION IN THE CATEGORY OF WORK REQUIRED TO HAVE SPECIAL INSPECTION. EXCEPTIONS:
 - SOILS INSPECTIONS BY THE SOILS ENGINEER OF RECORD OR PROJECT INSPECTOR
 - WHEN WAIVED BY THE GOVERNING JURISDICTION
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THE OWNER'S REPRESENTATIVE, SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST TWO WORKING DAYS PRIOR TO PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. ALL WORK PERFORMED WITHOUT REQUIRED SPECIAL INSPECTION IS SUBJECT TO REMOVAL.
- PROVIDE SPECIAL INSPECTION FOR CONNECTIONS BOLTED WITH A325 AND A490 BOLTS. INSPECTIONS SHALL BE DONE PER APPROVED NATIONALLY RECOGNIZED STANDARDS AND THE REQUIREMENTS OF THE CODE AND THE GOVERNING JURISDICTION. WHILE THE WORK IS IN PROGRESS, THE SPECIAL INSPECTOR SHALL DETERMINE THE BOLTS, NUTS, WASHERS AND PAINT, BOLTED PARTS, AND INSTALLATION AND TIGHTENING MEET THE STANDARDS REQUIREMENTS.
- THE SPECIAL INSPECTOR FOR HIGH STRENGTH BOLTED CONNECTIONS SHALL:
 - OBSERVE THE CALIBRATION PROCEDURES WHEN SUCH PROCEDURES ARE REQUIRED BY THE PLANS OR SPECIFICATIONS.
 - MONITOR THE INSTALLATION OF BOLTS TO DETERMINE THAT ALL PLIES OF CONNECTED MATERIALS HAVE BEEN DRAWN TOGETHER.
 - MONITOR THAT THE SELECTED PROCEDURE IS PROPERLY USED TO TIGHTEN ALL BOLTS.
- IF DEEMED NECESSARY, THE SPECIAL INSPECTOR SHALL PROVIDE PROGRESS REPORTS AND A FINAL REPORT TO THE STRUCTURAL ENGINEER.
- THE SPECIAL INSPECTOR SHALL ENSURE THAT ALL DEFICIENCIES NOTED BY THE STRUCTURAL ENGINEER IN STRUCTURAL OBSERVATION REPORTS ARE CORRECTED. SUCH COMPLIANCE SHALL BE REFERENCED IN SPECIAL INSPECTOR REPORT.
- THE CONSTRUCTION MATERIALS TESTING LABORATORY MUST BE APPROVED BY THE GOVERNING JURISDICTION, FOR TESTING OF MATERIALS, SYSTEMS, COMPONENTS AND, EQUIPMENTS.
- PERIODIC INSPECTION SHALL OCCUR FREQUENTLY ENOUGH TO INSPECT ALL OF THE INSTALLED ITEMS AND TO PERIODICALLY WITNESS THE INSTALLATION OF THE ITEMS.
- A COMPLETED SPECIAL INSPECTION FORM WILL BE PROVIDED AT THE TIME OF BUILDING PERMIT SUBMITTAL.

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH AISC 360 AND AISC 303.
- ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (U.N.O.):

MINIMUM MATERIAL PROPERTIES	
ELEMENT	ASTM
BASE PLATES & CAP PLATES	A572, GR 50
ALL OTHER PLATES	A36, GR 36 OR DUAL GRADE
WLF MATERIAL	A992, GR 50
STRUCTURAL PIPES	A53, GR B
HIGH STRENGTH BOLTS	A325
MACHINE BOLTS	A307
ANCHOR BOLTS	F1554, GR 105

- THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR STRUCTURAL ENGINEER'S REVIEW BEFORE FABRICATION.
- HOLES IN STEEL SHALL BE 1/16" LARGER DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED. COLUMN BASE PLATE HOLES MAY BE OVERSIZED PER AISC MANUAL OR AS NOTED.
- ALL STRUCTURAL STEEL SURFACES THAT ARE ENCASED IN CONCRETE, MASONRY, OR SPRAY ON FIREPROOFING, OR ARE ENCASED BY BUILDING FINISH, SHALL BE LEFT UNPAINTED.
- ALL STRUCTURAL STEEL AND MISCELLANEOUS METAL EXPOSED TO THE WEATHER SHALL BE HOT DIP GALVANIZED OR PAINTED AFTER FABRICATION. U.N.O.
- GALVANIZING AT FIELD WELDS AND DAMAGE SHALL BE REPAIRED WITH A GALVANIZING REPAIR PAINT ACCORDING TO ASTM A780.
- ALL COLUMNS AND BEAMS PAINTED TO MATCH ADJACENT BUILDING USING PAINT RLA CODE 8220W HAYSEED.
- TIGHTEN HIGH STRENGTH BOLTS TO "SNUG-TIGHT" CONDITION PER AISC SPECIFICATION FOR STRUCTURAL JOINTS, U.N.O.
- PROVIDE BEVELED WASHERS PER ANSI B18.23.1 AS REQUIRED ON SLOPED SURFACES.
- GROUT OTHER SHALL BE NON-SHRINK, NON-METALLIC GROUT, MEETING ASTM C-1107, MIXED AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS.
- TIGHTEN ANCHOR BOLTS TO "SNUG TIGHT" CONDITION PER AISC SPECIFICATIONS, U.N.O.
- WELDING:
 - ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND AWS D1.1. SEE SPECIAL INSPECTION SECTION FOR WELDING INSPECTION REQUIREMENTS.
 - ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (U.N.O.).
 - WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED, WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360.
 - WELDS TERMINATING AT ENDS OR SIDES, WHERE PRACTICAL, SHALL BE RETURNED CONTINUOUSLY AROUND CORNERS A DISTANCE 2 TIMES THE NOMINAL SIZE OF THE WELD PER AISC 360 SECTION J2.2B, U.N.O.
 - ALL FULL-PENETRATION FIELD WELDS SHALL BE ULTRASONICALLY TESTED.
 - ALL TWO-SIDED FILLET WELDS SHOWN SHALL BE WELDED WITH THE SAME (GIVEN) WELD SIZE ON BOTH SIDES.
 - ALL UNSIZED GROOVE OR BUTT WELDS SHOWN SHALL BE COMPLETE PENETRATION.
 - ALL PROVISIONS OF AWS SHALL BE OBSERVED INCLUDING REQUIREMENTS FOR BACK-UP PLATES AND WELD TRANSITIONS WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN.
 - A WRITTEN WELDING PROCEDURE SPECIFICATION SHALL BE SUBMITTED TO THE TESTING LABORATORY. IT SHALL INCLUDE ALL WELDING PROCEDURES TO BE USED AS DESCRIBED IN AWS, CHAPTER 4.
 - WHERE FIELD WELDING IS INDICATED, THE FIELD DESIGNATION IS GIVEN AS A RECOMMENDATION ONLY.

SHEET INDEX	
S100	GENERAL STRUCTURAL NOTES
S105	FOUNDATION LAYOUT
S110	PV CANOPY LAYOUT
S200	FRAMING PLAN & SCHEDULE
S300	SECTION - 6X
S400	FOUNDATION & ANCHORAGE DETAILS
S500	STEEL DETAILS



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PHOTOVOLTAIC INSTALLATION

SEALS AND SIGNATURES

NOT FOR
CONSTRUCTION

REV	ISSUED FOR	DATE

DRAWN BY: CL
CHECKED BY: YG

DRAWING TITLE

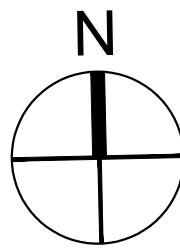
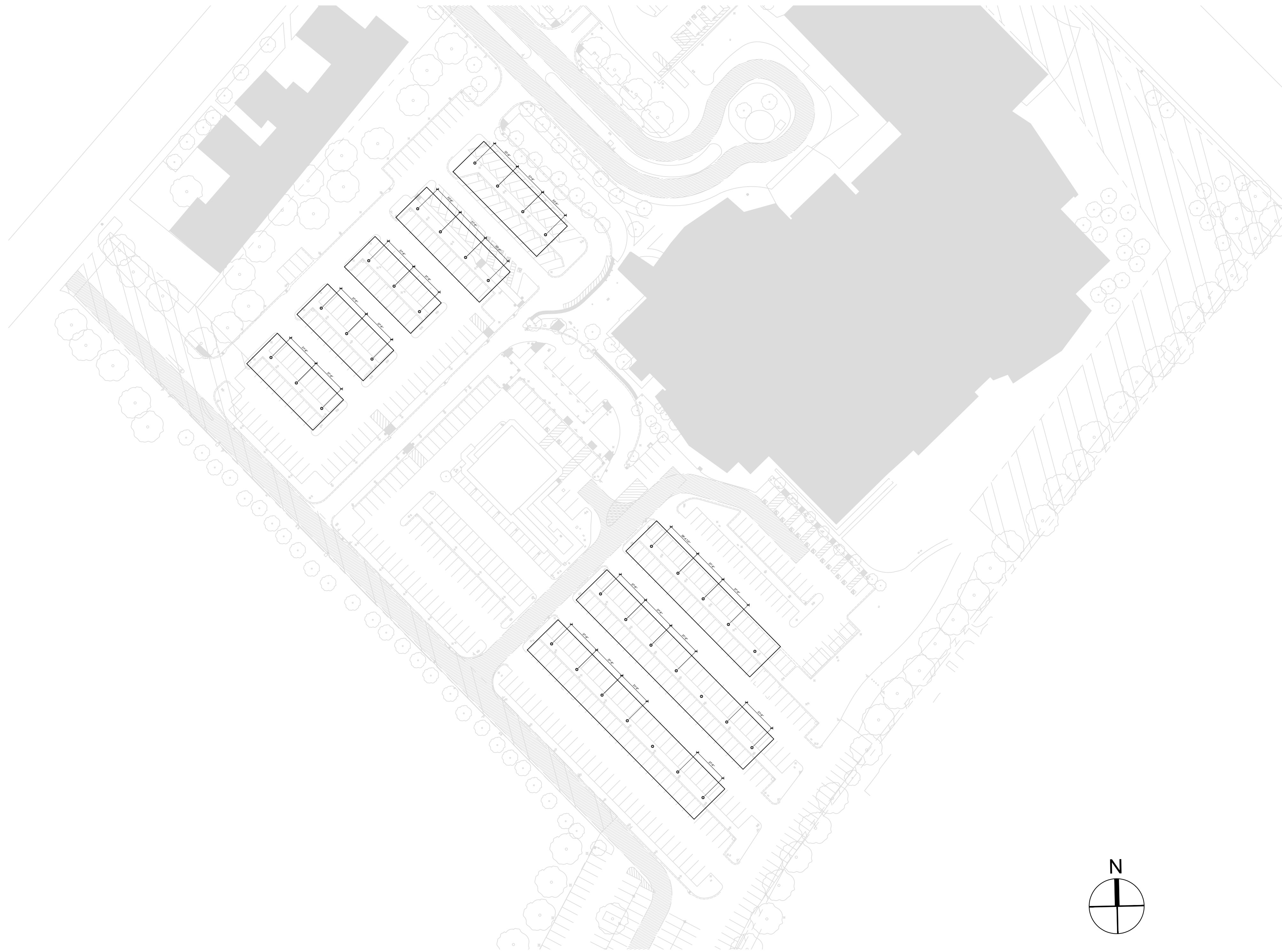
GENERAL
STRUCTURAL
NOTES

PROJECT NO.

DRAWING NUMBER

S100

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COLUMN LOCATION PLAN
SCALE: 1/64"=1'-0"

LEGEND

- STRUCTURAL COLUMN, (36) TOTAL
- ⊗ ARRAY TAG



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PHOTOVOLTAIC INSTALLATION

SEALS AND SIGNATURES

NOT FOR
CONSTRUCTION

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DRAWING TITLE

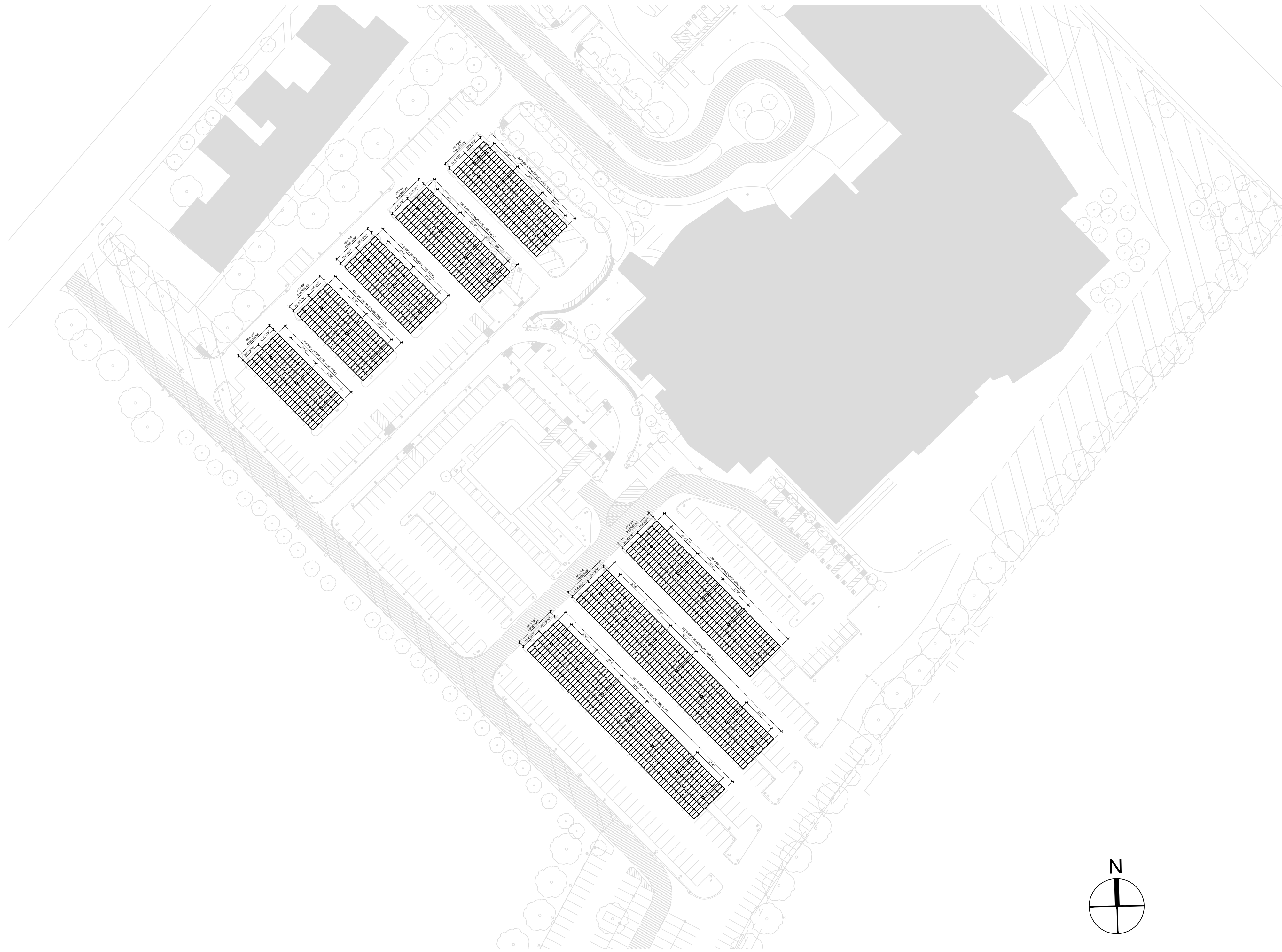
COLUMN
LOCATION PLAN

PROJECT NO.

DRAWING NUMBER

S105

Pld Date:
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PV SITE PLAN

SCALE: 1/64"=1'-0"

LEGEND

-  SOLAR MODULE
JKM585N-72HL4-BDV (1,950) TOTAL
-  STRUCTURAL COLUMN, (36) TOTAL
-  ARRAY TAG



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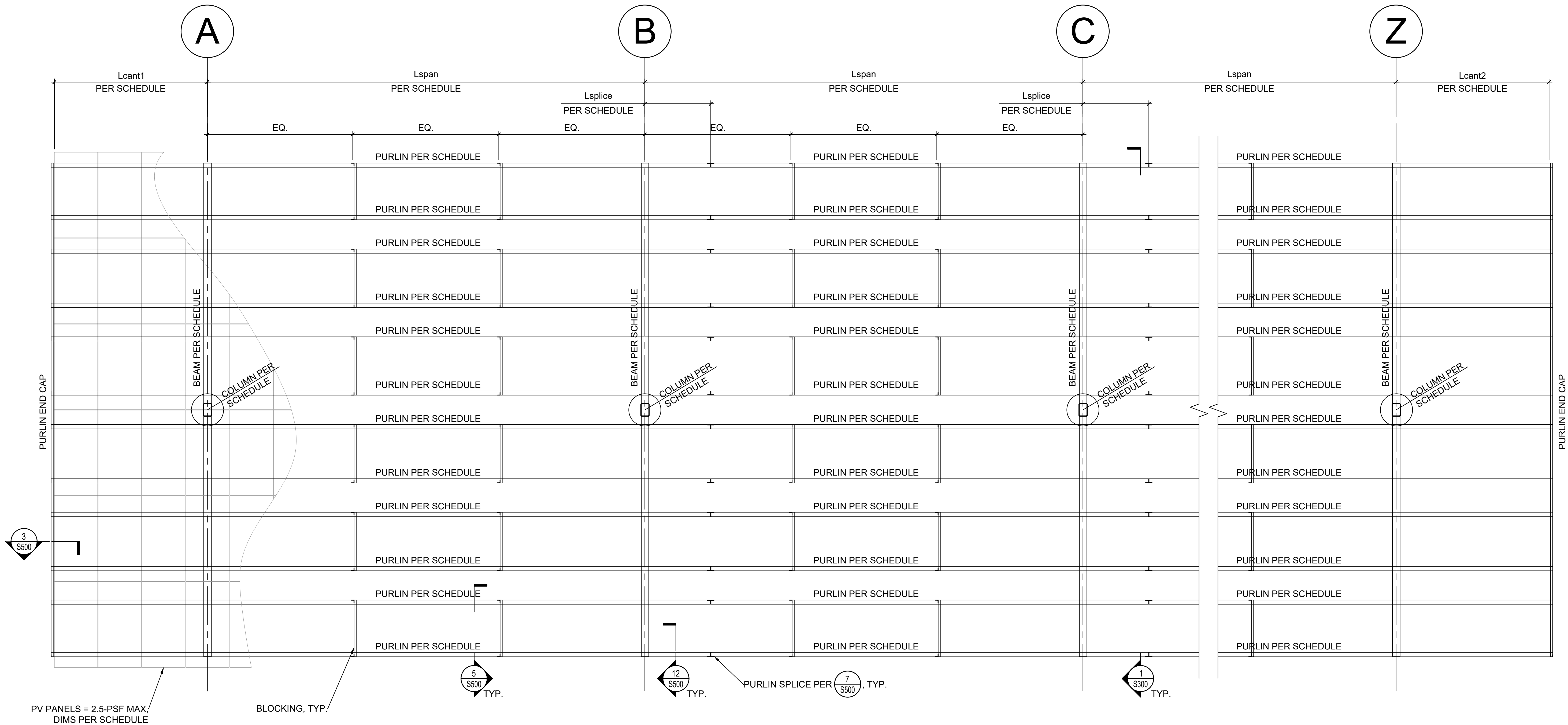
PV CANOPY
LAYOUT

PROJECT NO.

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S110

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

ARRAY SIZE	# OF COLUMNS	COLUMN	BEAM	PURLIN	PANEL LENGTH	PANEL WIDTH	MAX SPAN LENGTH, Lspan	TYP SPAN LENGTH, Lspan	CANT. LENGTH, Lcant1	CANT. LENGTH, Lcant2	SPLICE LENGTH, Lsplice	MAX. COLUMN LENGTH	MIN. CLEARANCE
6X66	7	HSS12x8x1/2	W14x43	12X4X14GA	89.7"	44.6"	37'-6"	37'-6"	13'-1 3/8"	9'-4 3/8"	5'-7 1/2"	15'-0"	10'-0"
6X49	5	HSS12x8x1/2	W14x43	12X4X14GA	89.7"	44.6"	39'-4 1/2"	37'-6"	14'-11 7/8"	14'-11 7/8"	5'-7 1/2"	15'-0"	10'-0"
6X33	4	HSS12x8x1/2	W14x43	12X4X14GA	89.7"	44.6"	37'-6"	33'-9"	9'-4 3/8"	9'-4 3/8"	5'-7 1/2"	15'-0"	10'-0"
6X26	3	HSS12x8x1/2	W14x43	12X4X14GA	89.7"	44.6"	37'-6"	37'-6"	13'-1 3/8"	9'-4 3/8"	5'-7 1/2"	15'-0"	10'-0"

2 SCHEDULE
NO SCALE



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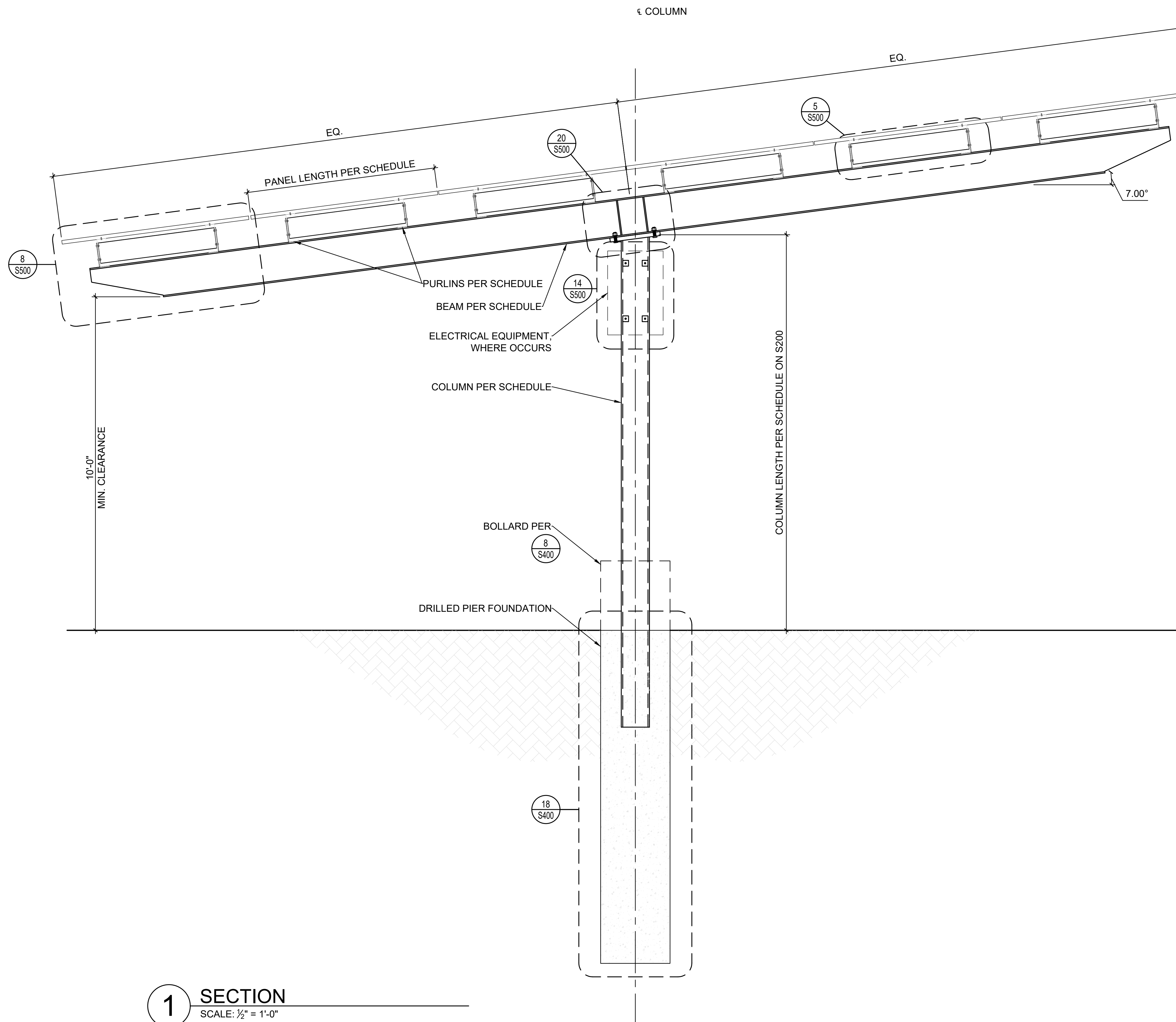
FRAMING PLAN
&
SCHEDULE

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



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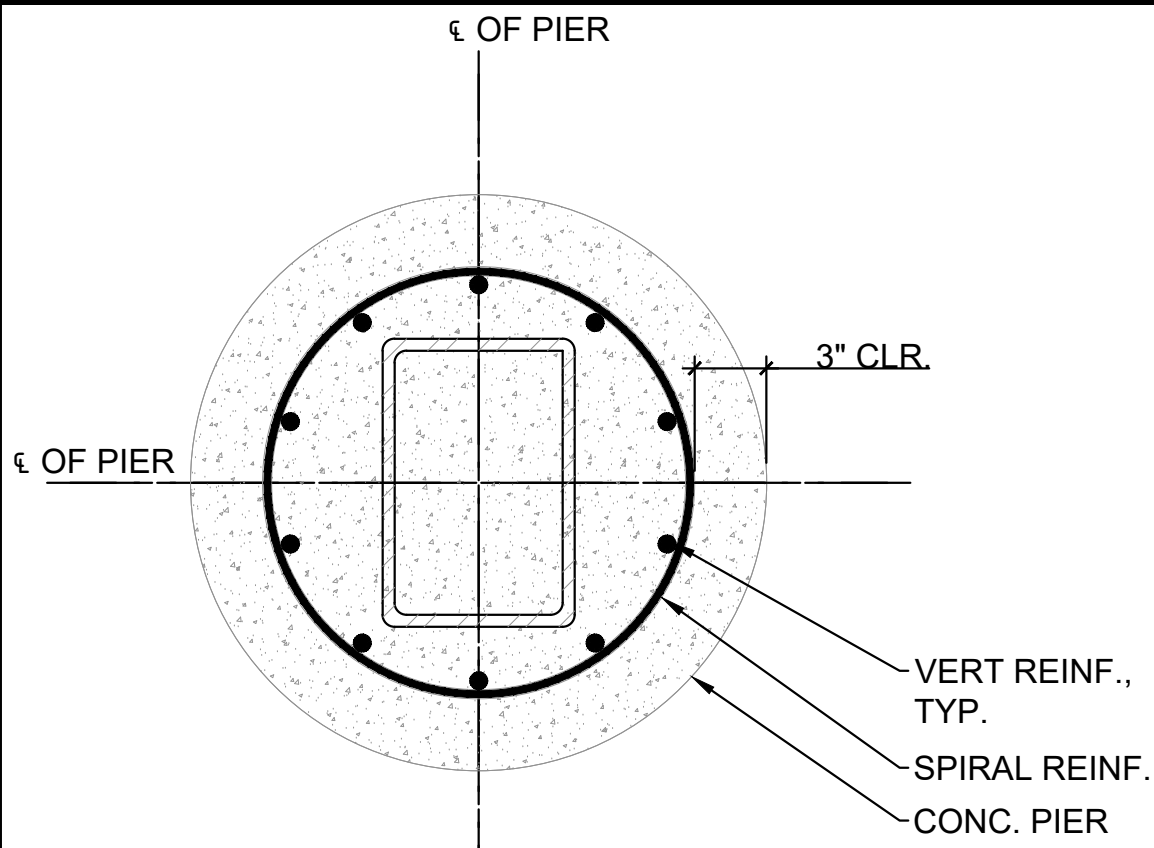
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PROJECT NO.

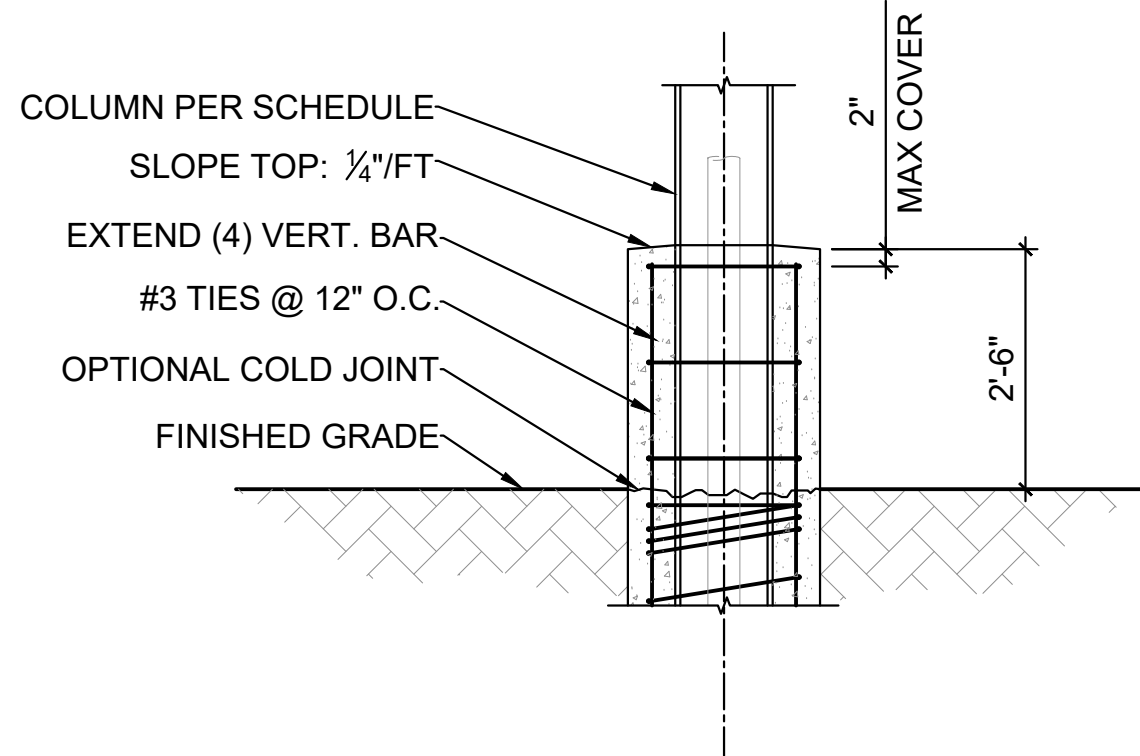
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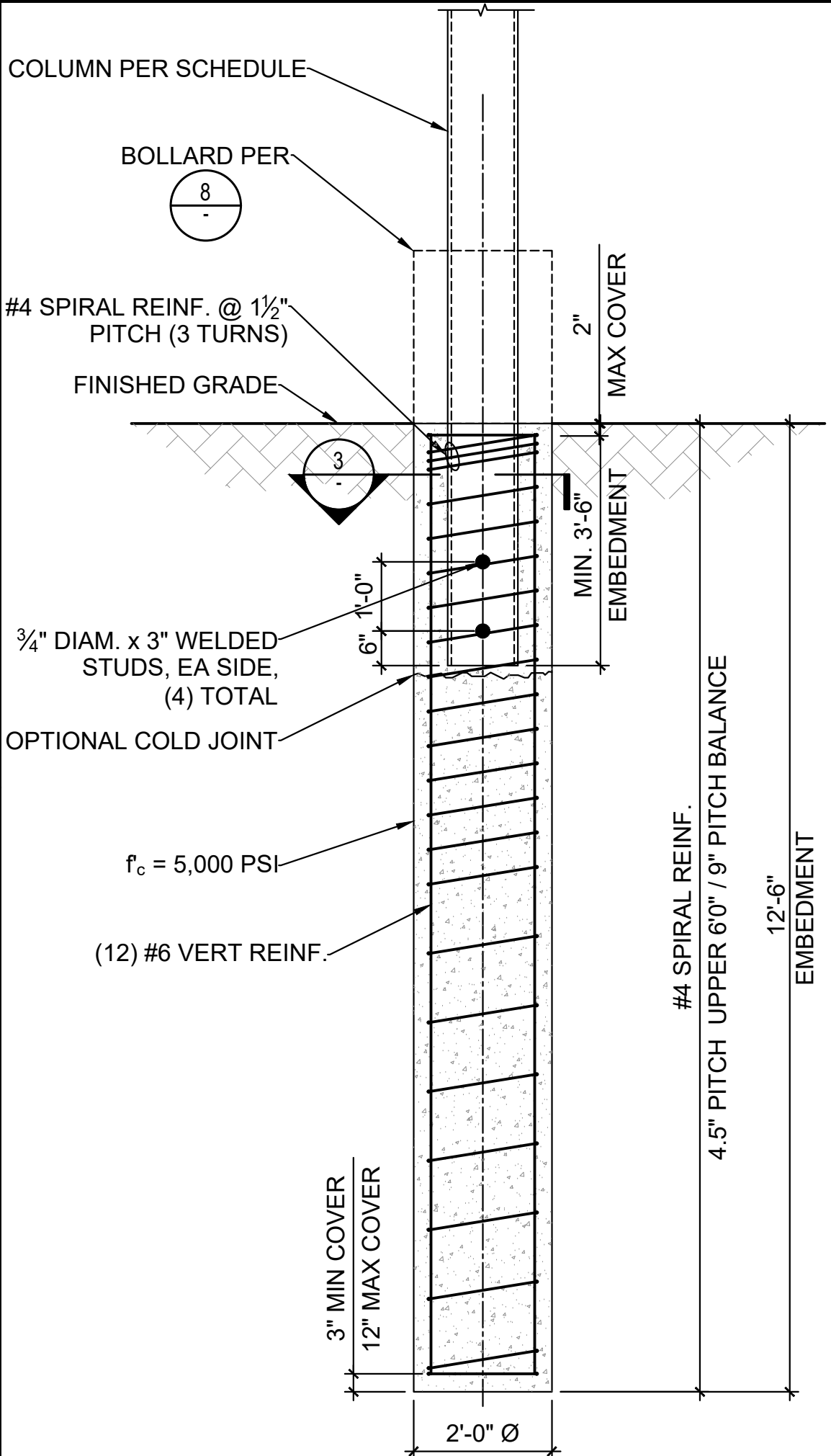
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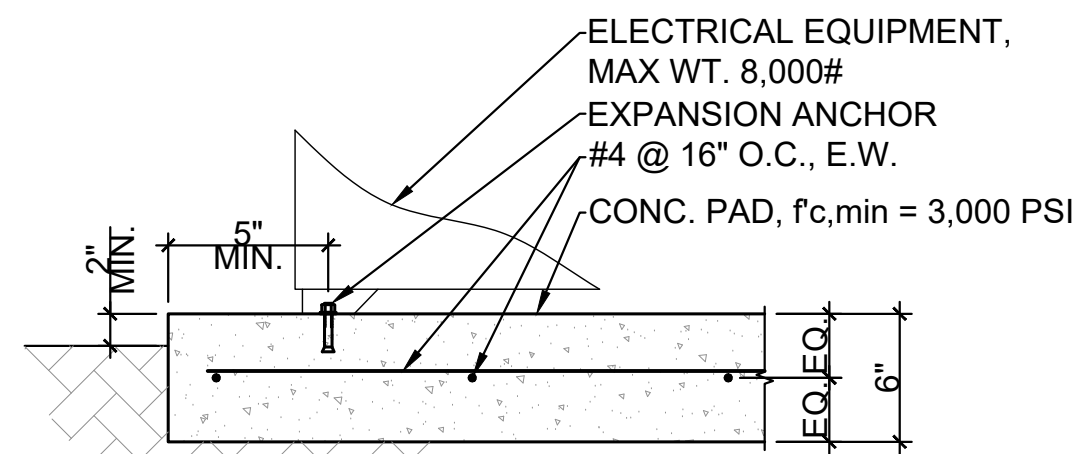
3 REINF. PLACEMENT - HSS COL.
SCALE: 3" = 1'-0"



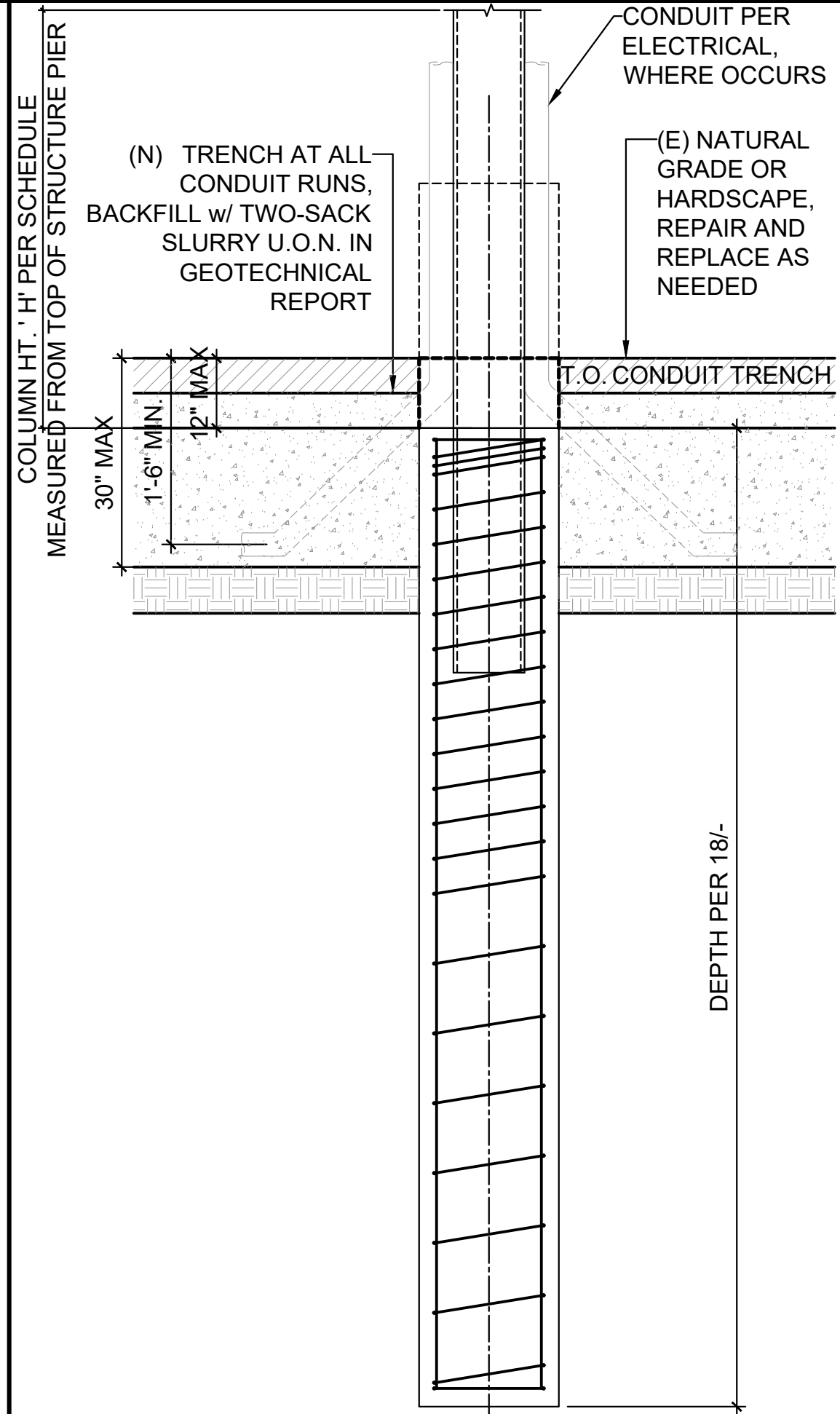
8 BOLLARD DETAIL
SCALE: 1/2" = 1'-0"



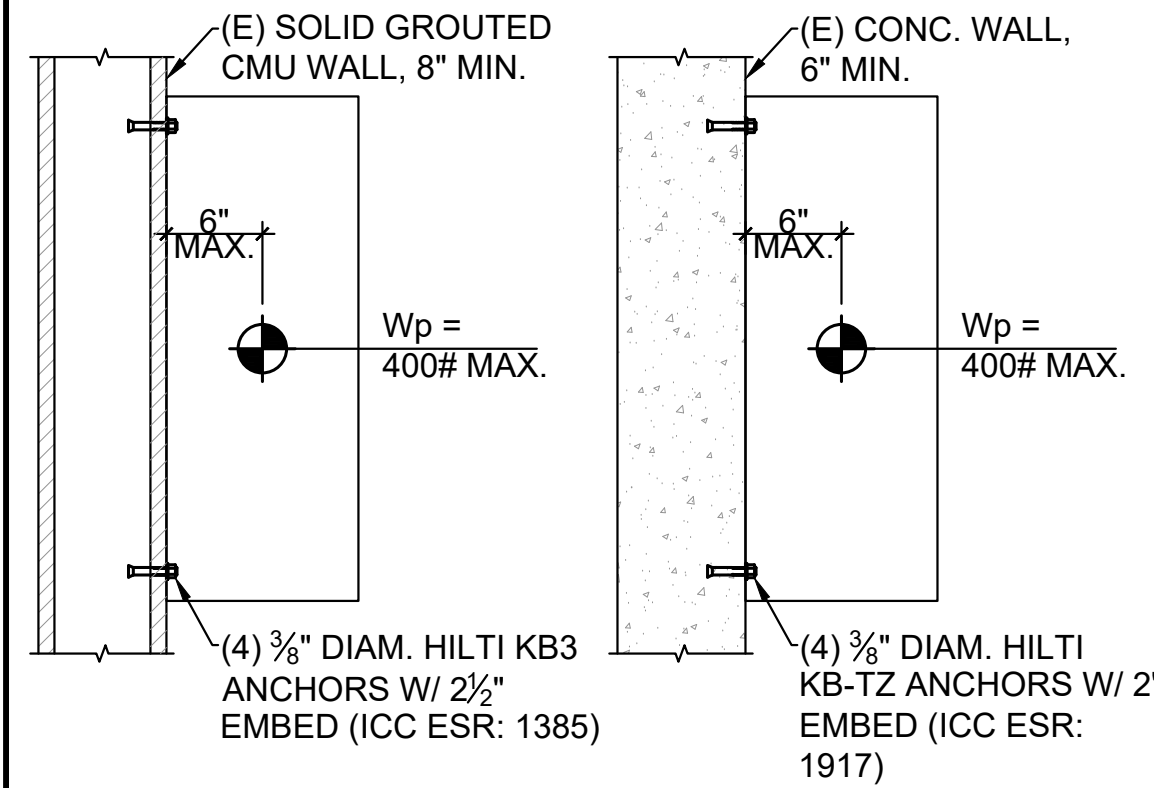
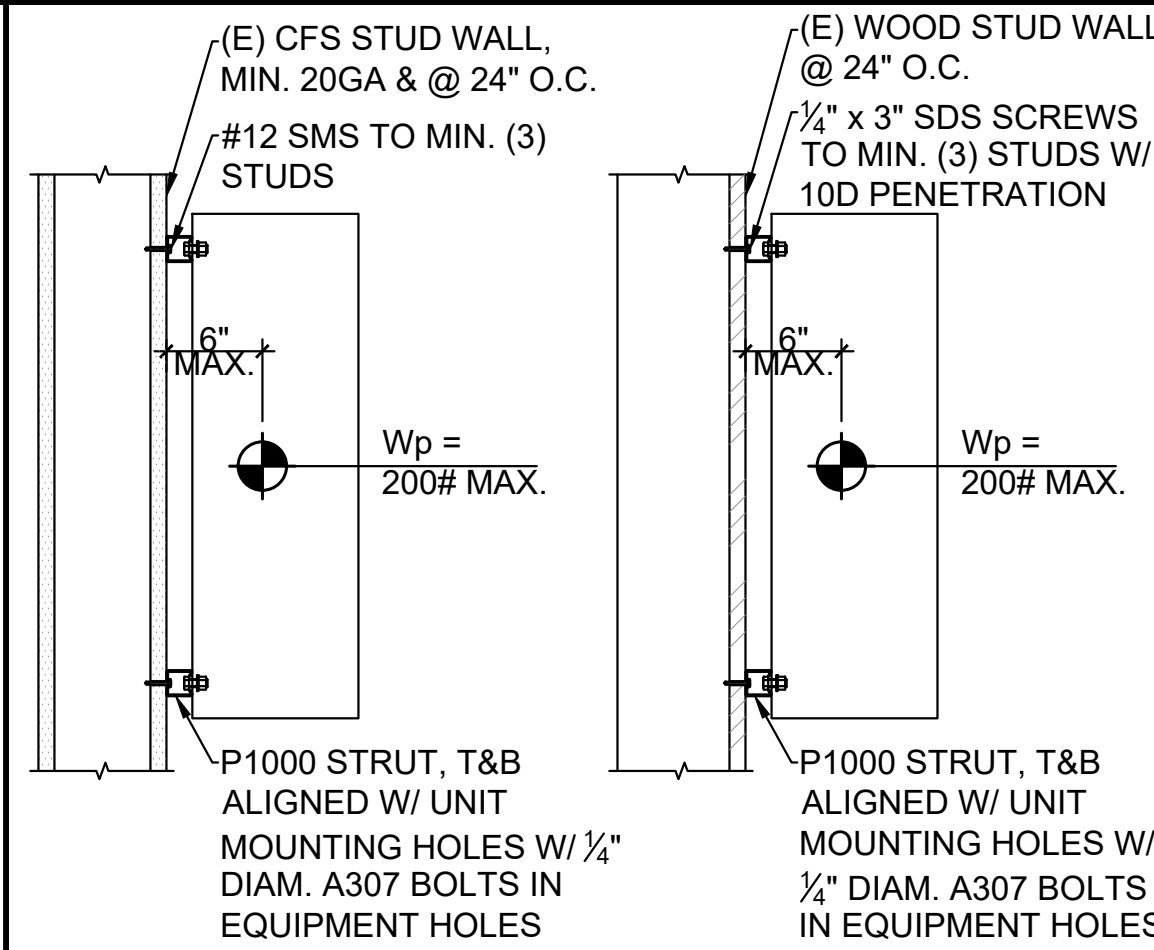
18 PIER FOUNDATION
SCALE: 1/2" = 1'-0"



9 EQUIPMENT PAD
SCALE: 1" = 1'-0"



19 CONDUIT ROUTING
SCALE: 1/2" = 1'-0"



10 WALL MOUNTED EQUIPMENT
SCALE: 1/2" = 1'-0"



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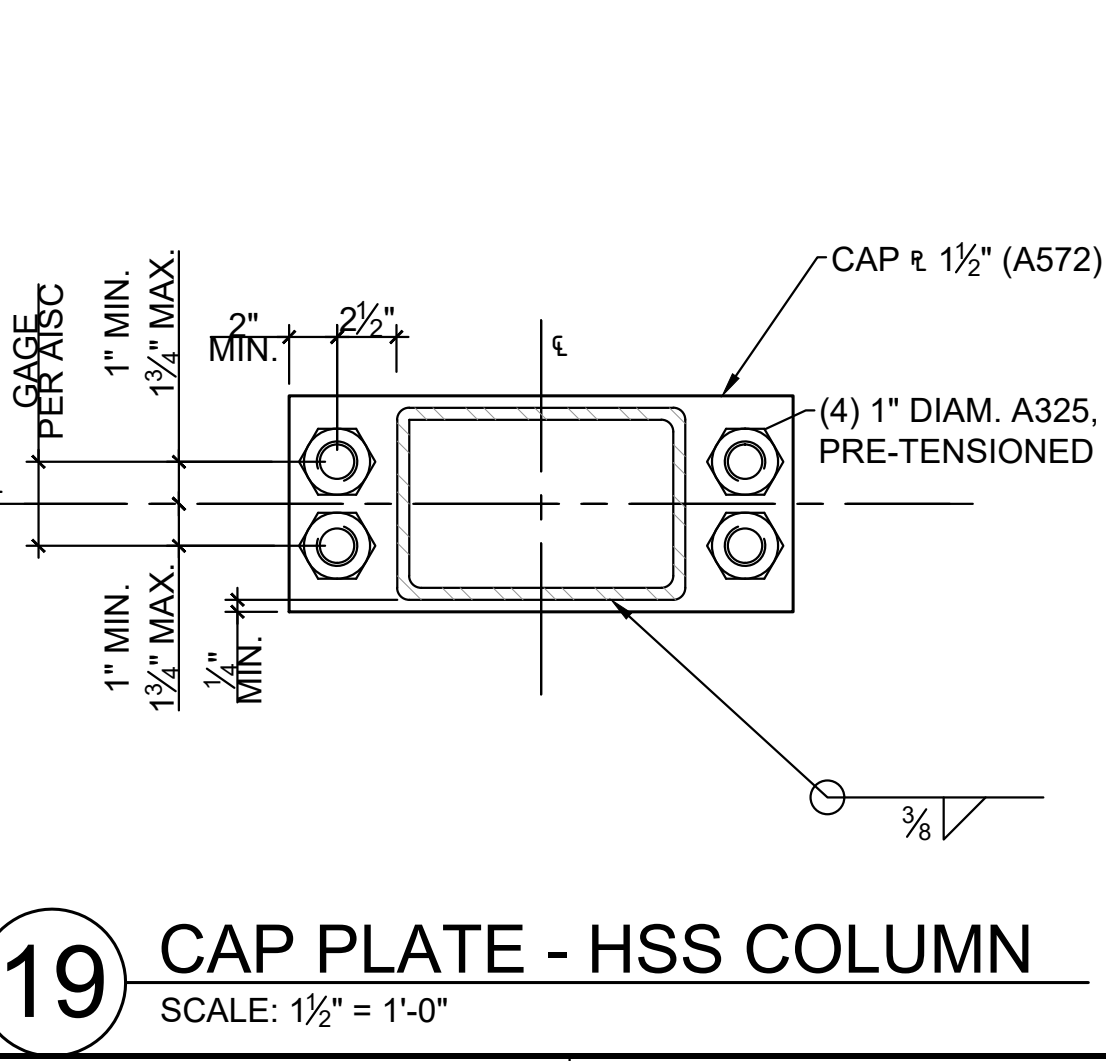
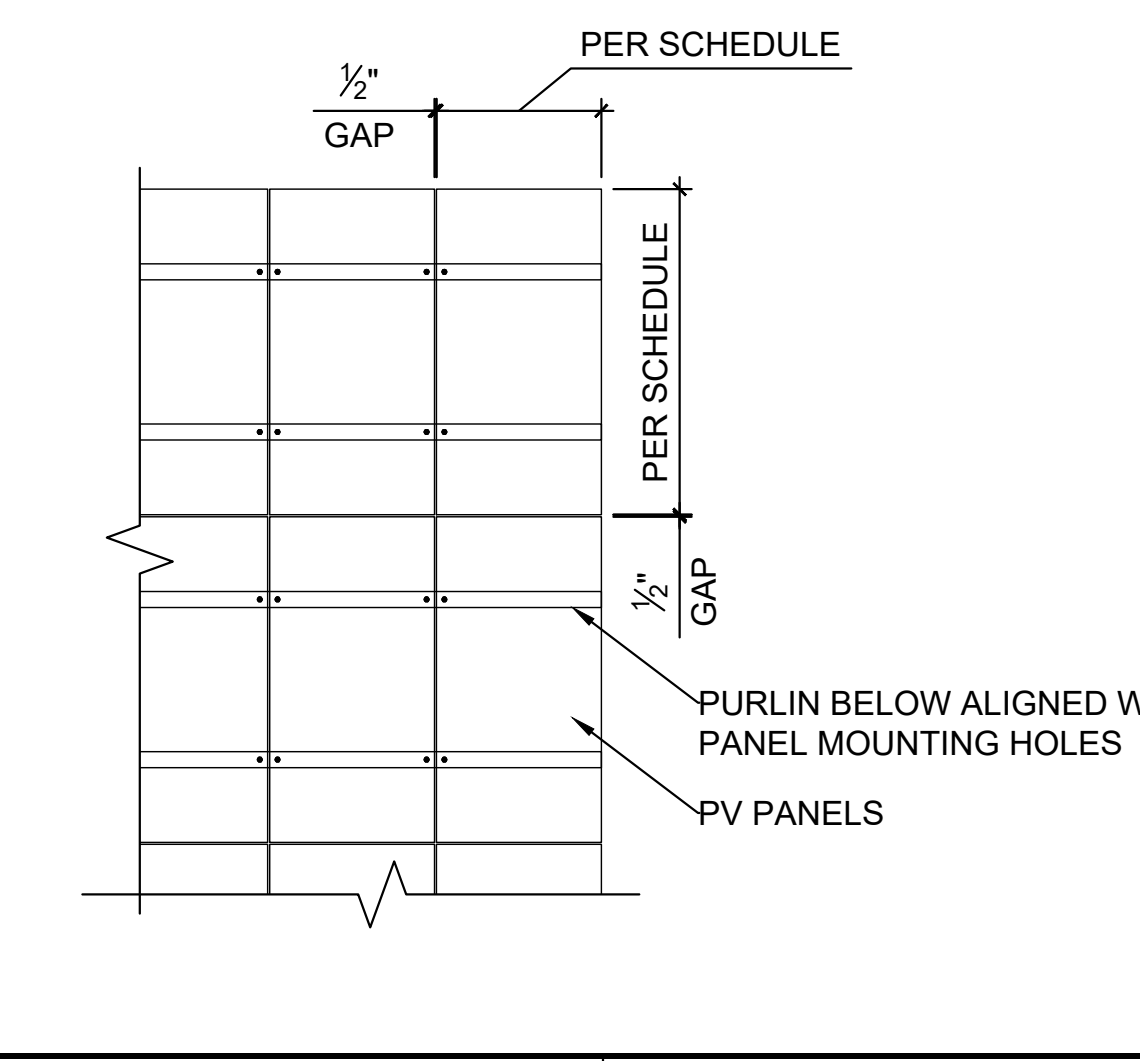
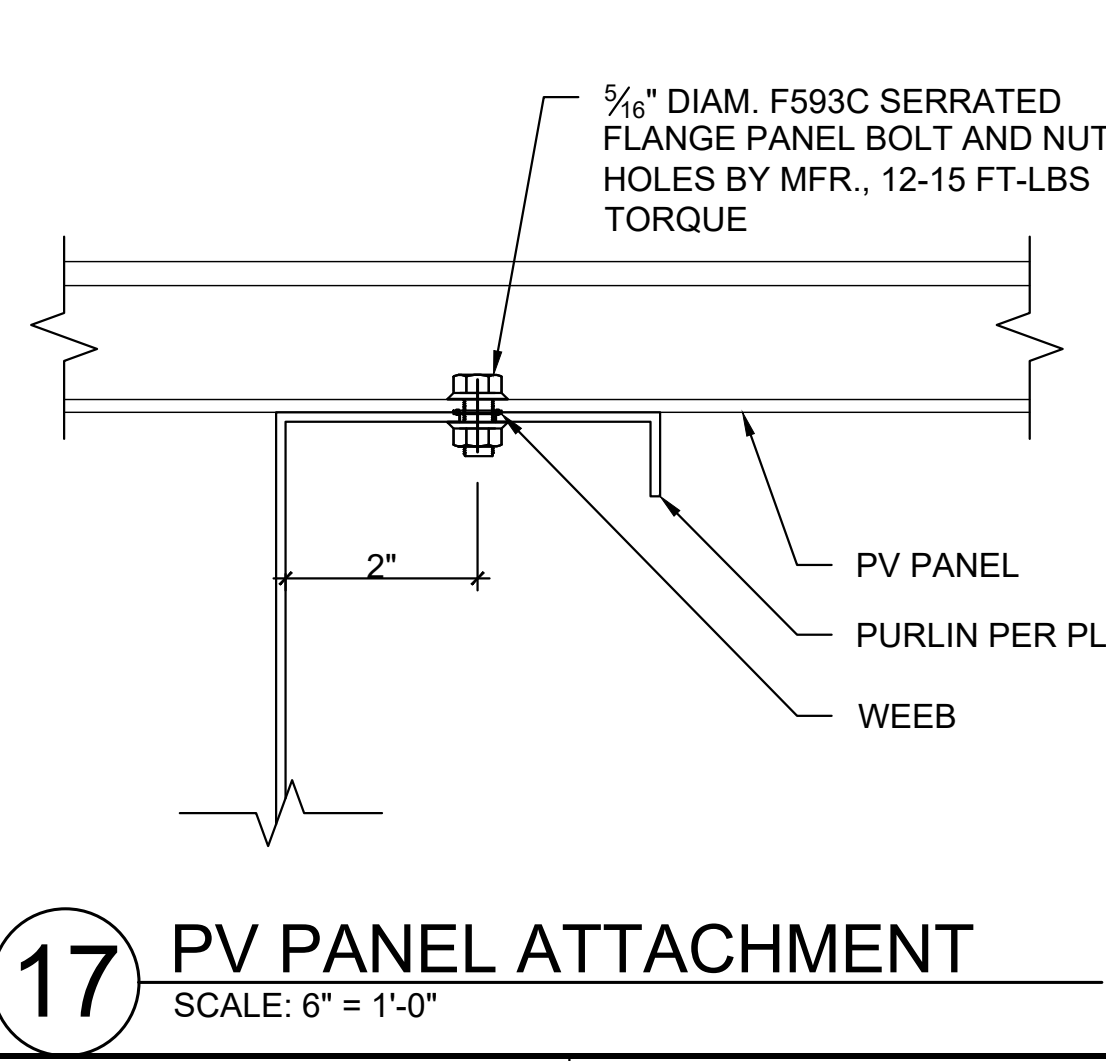
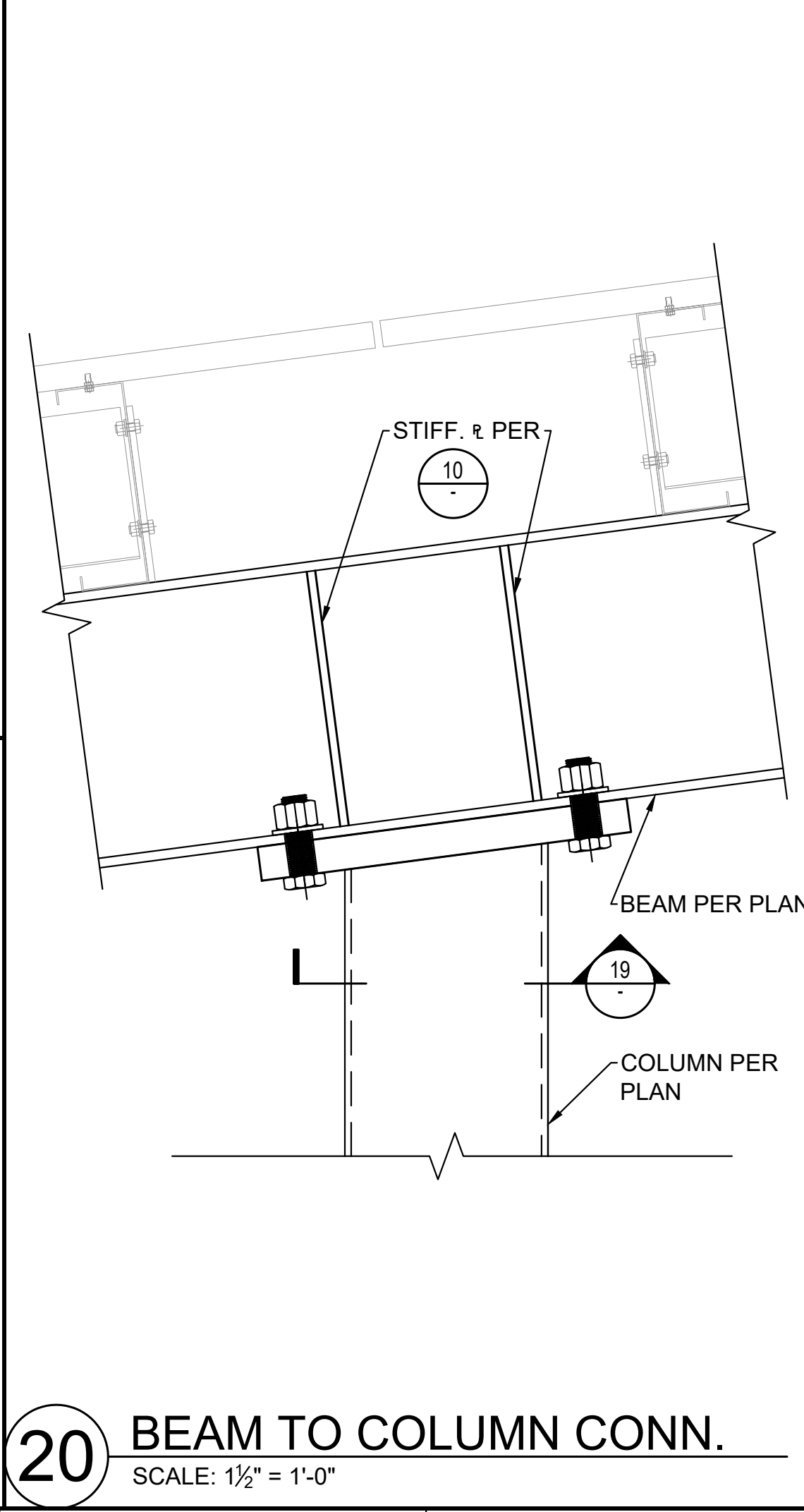
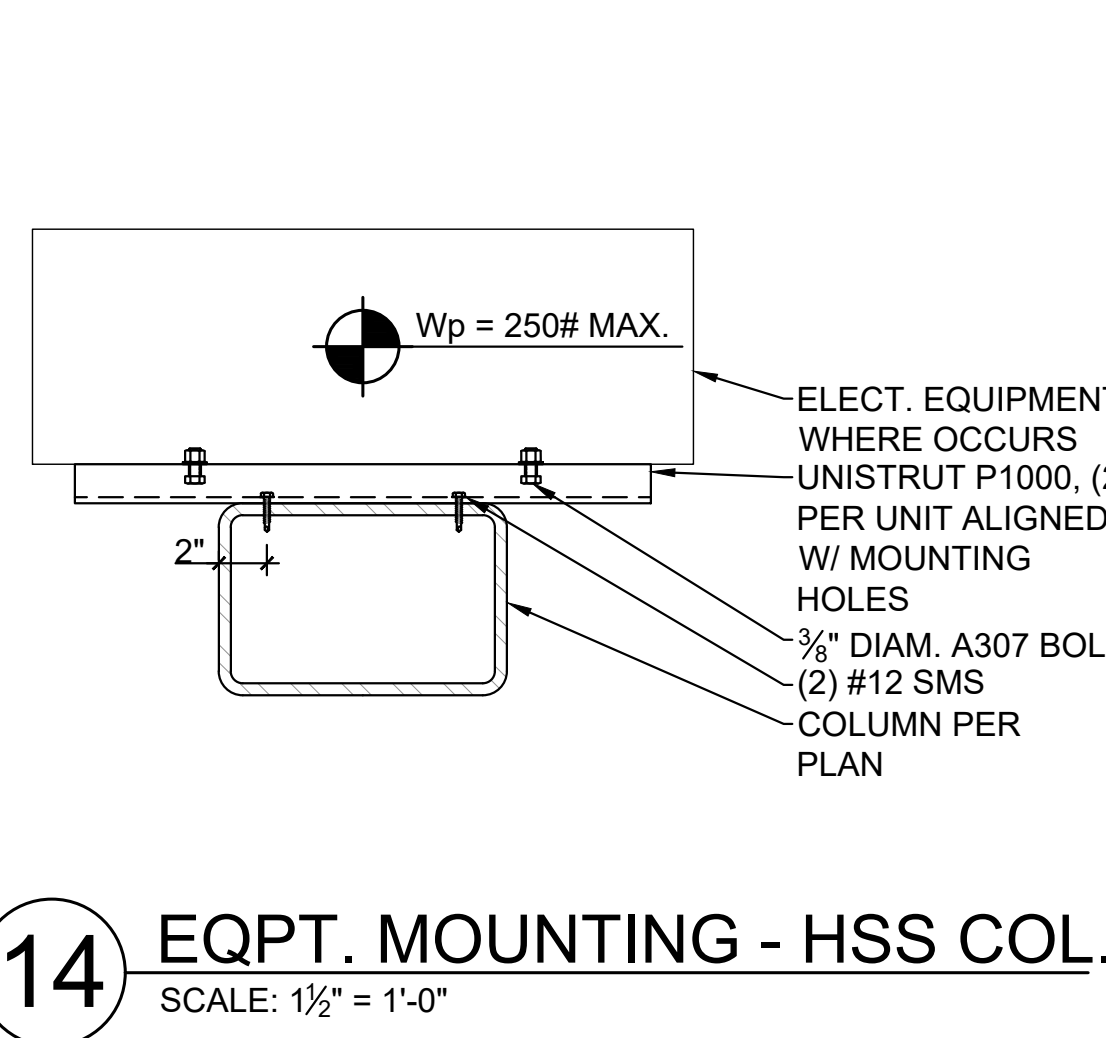
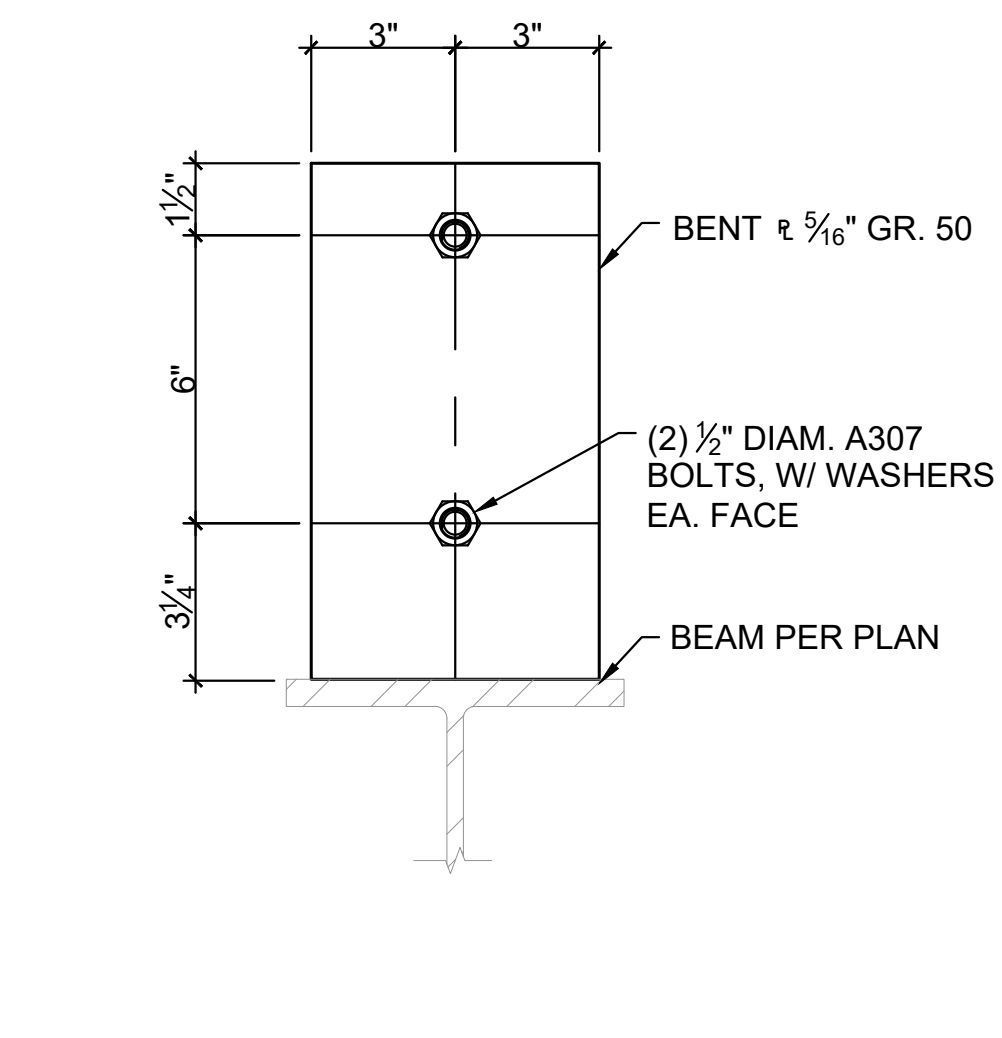
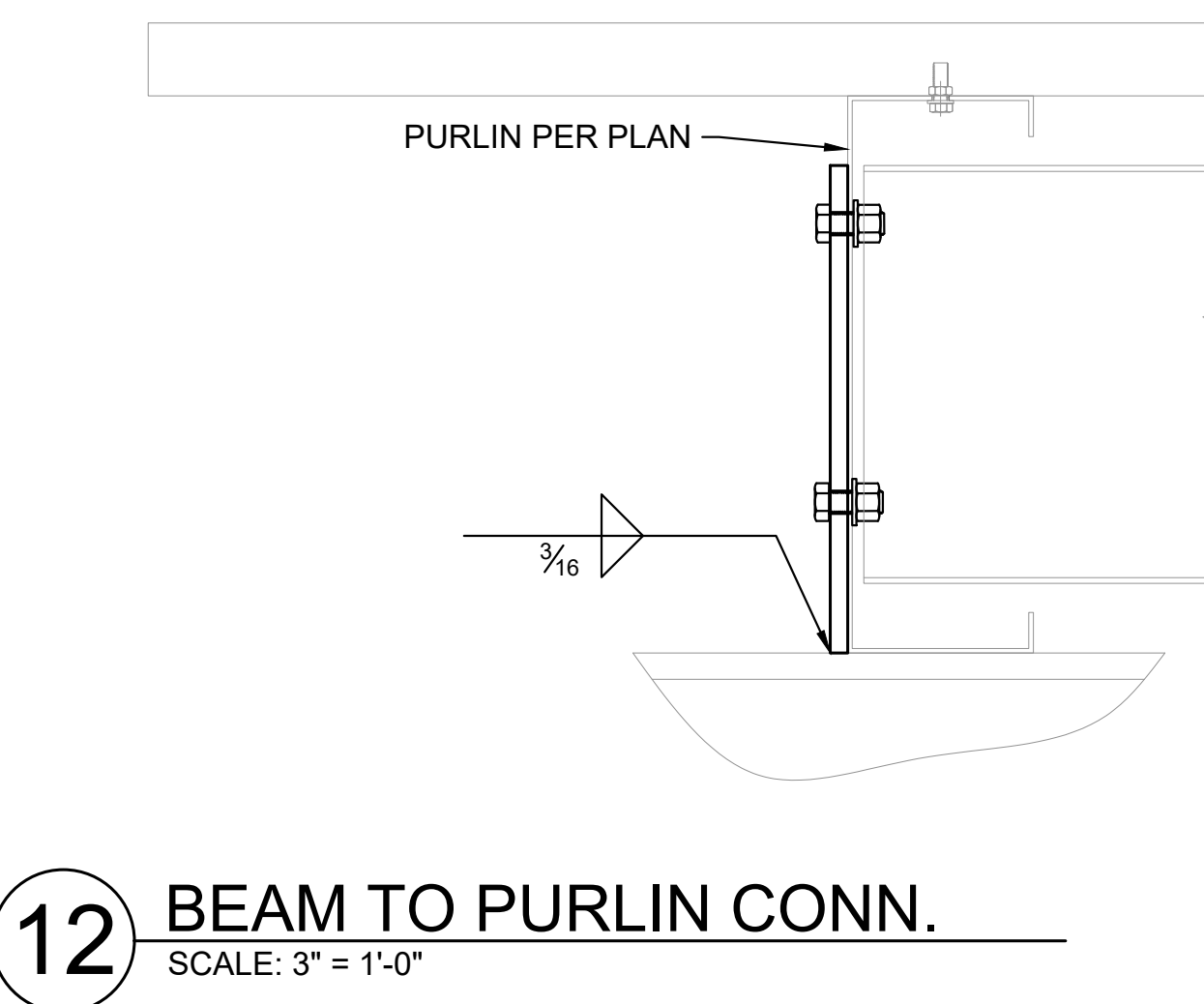
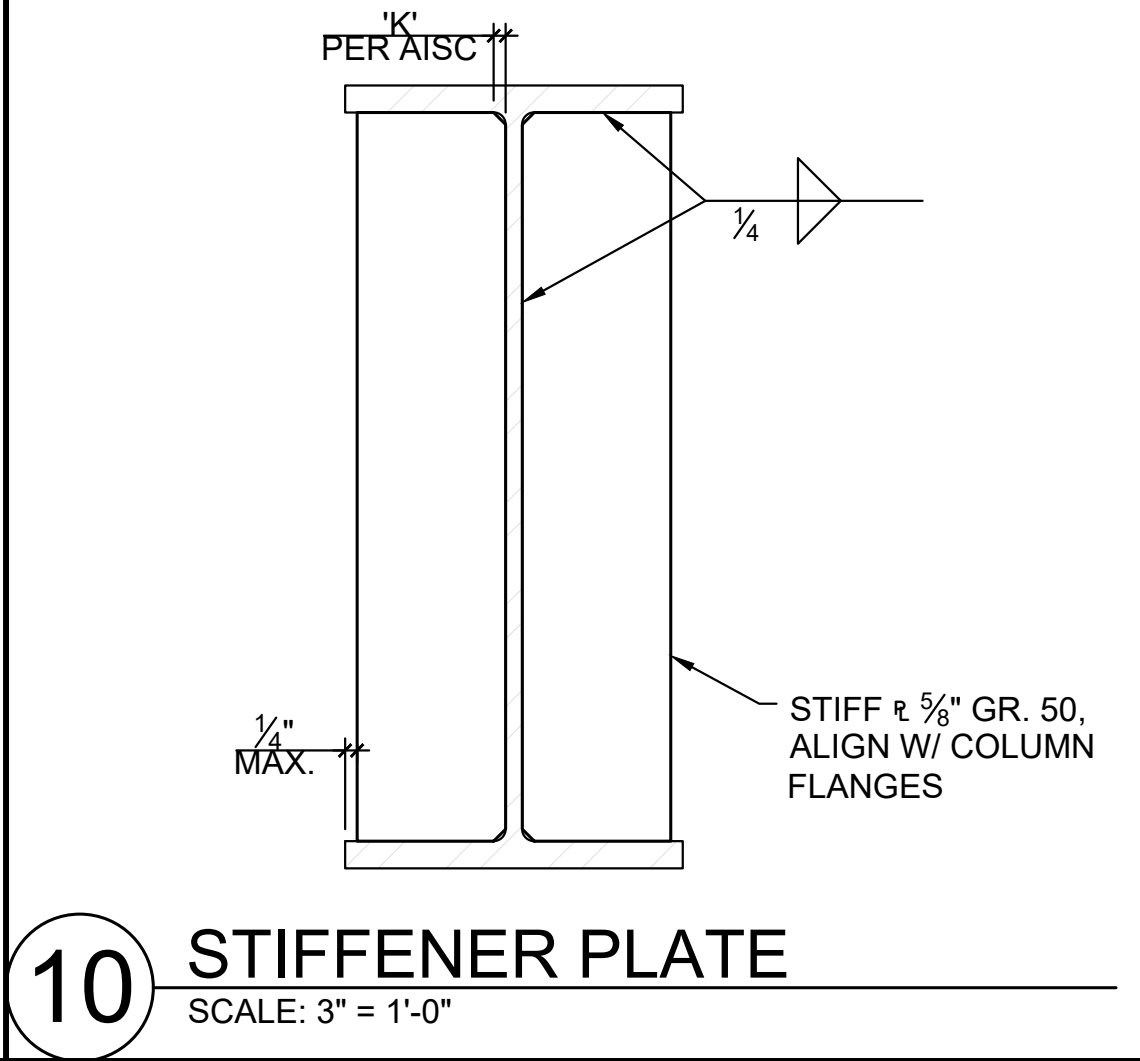
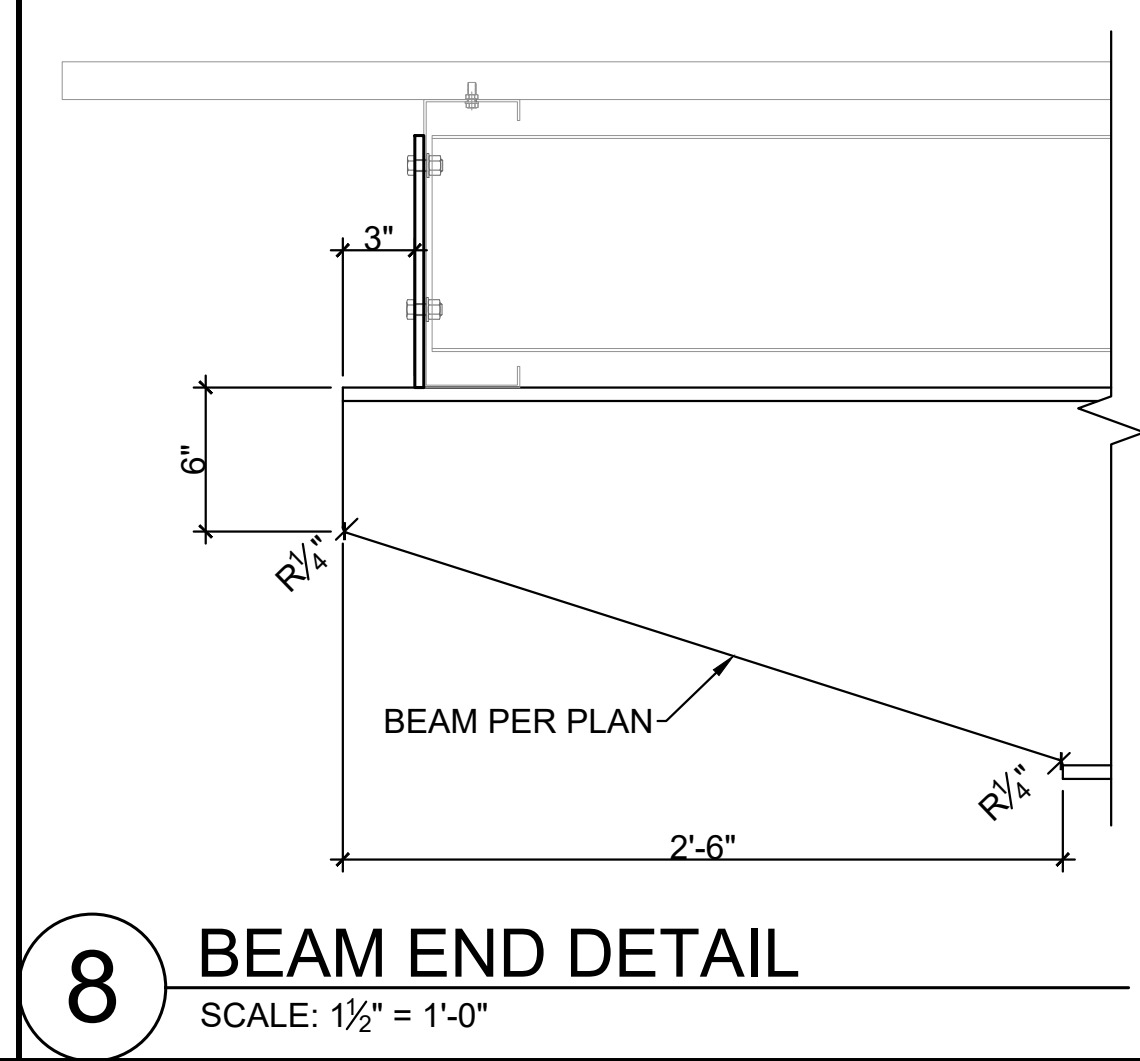
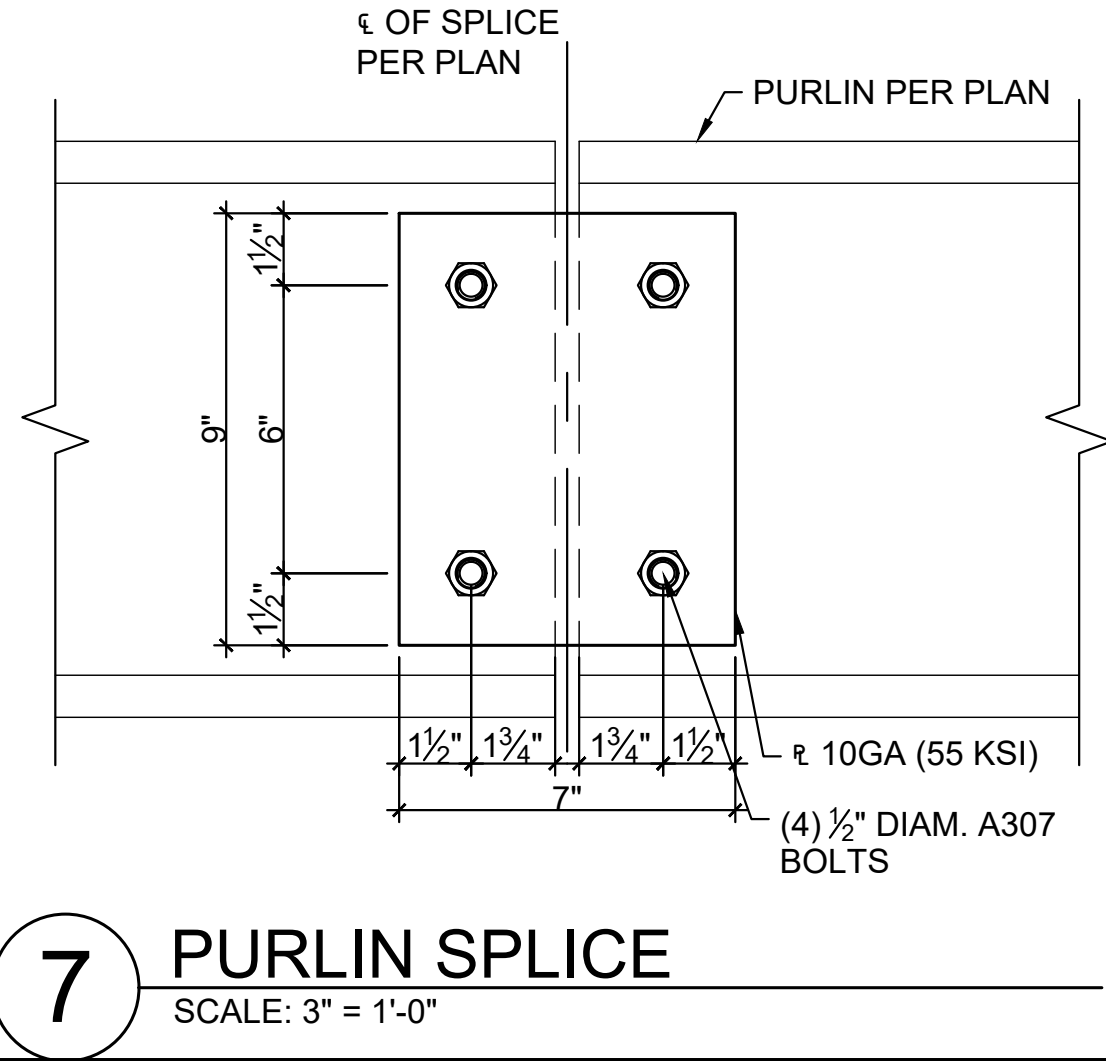
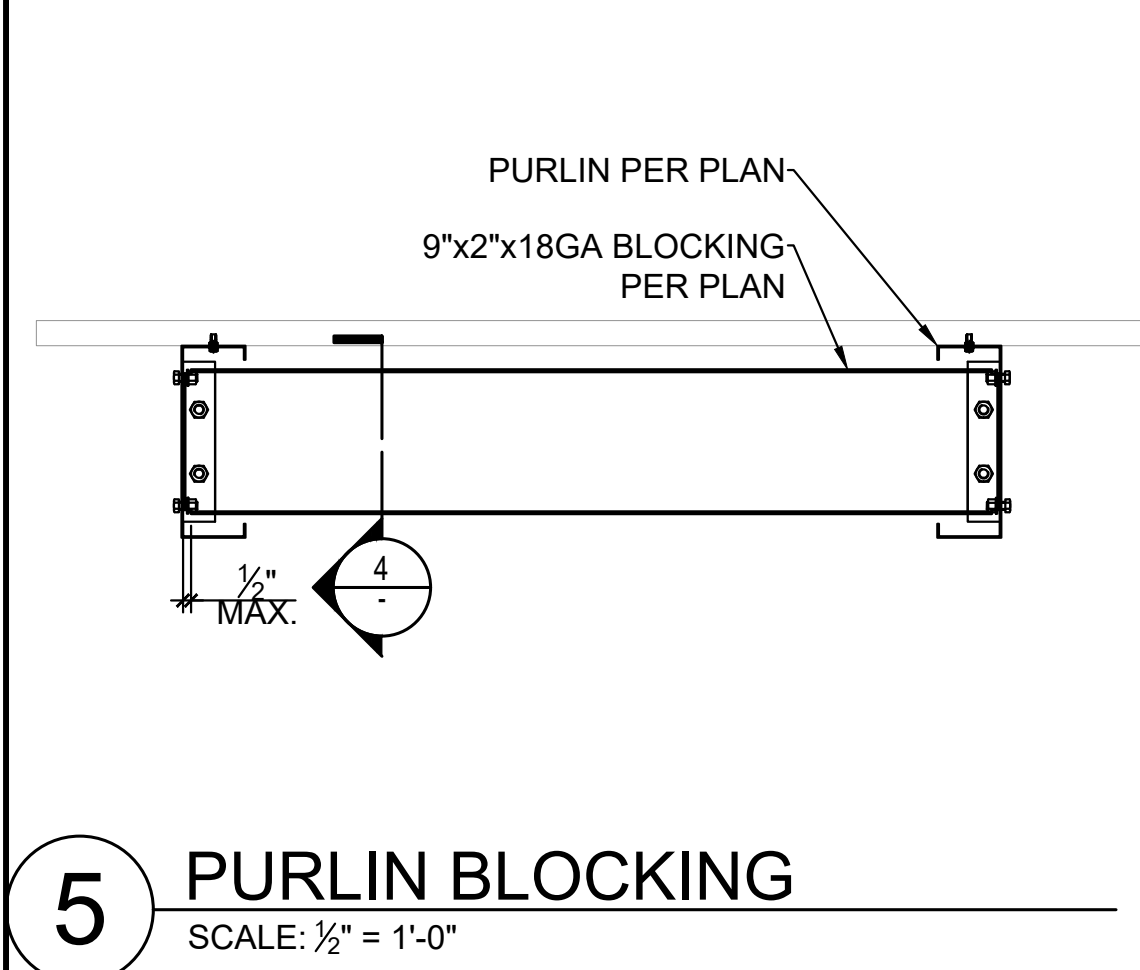
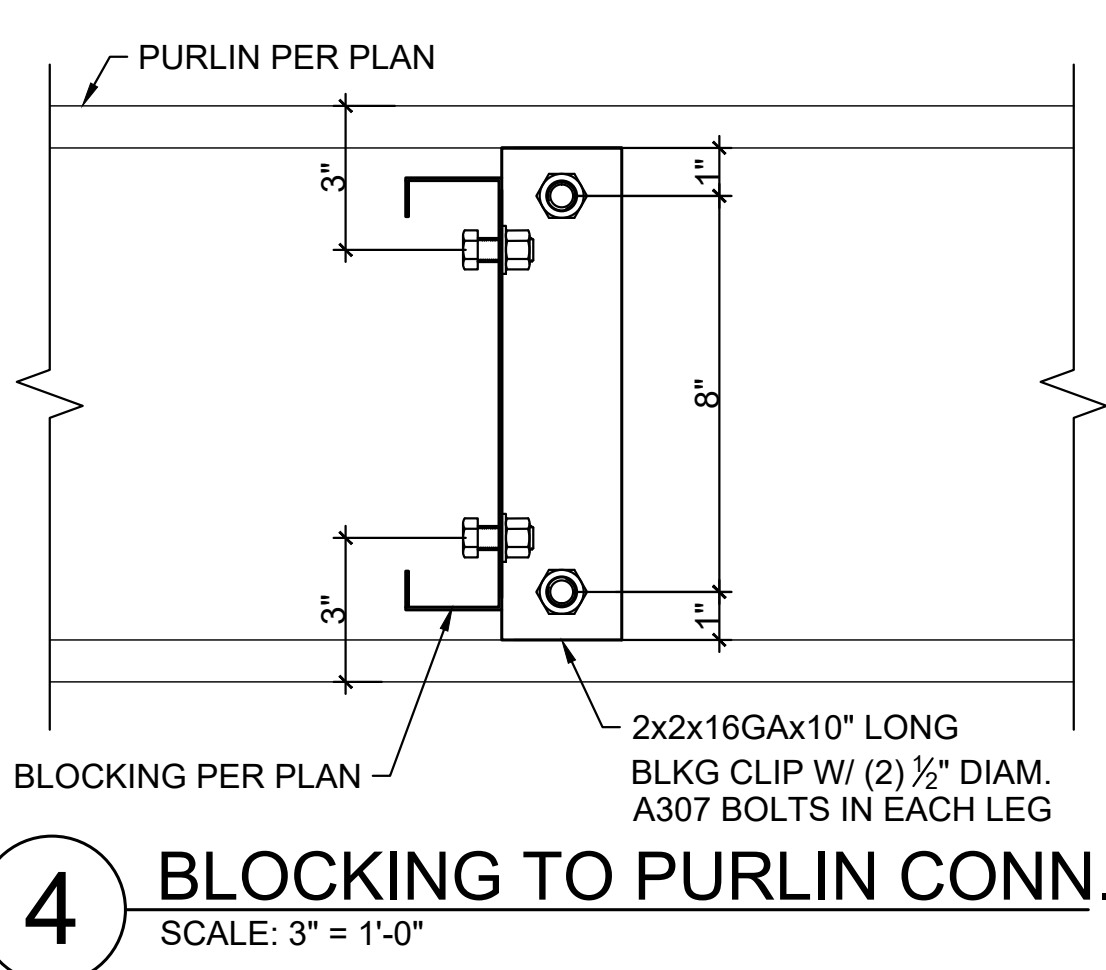
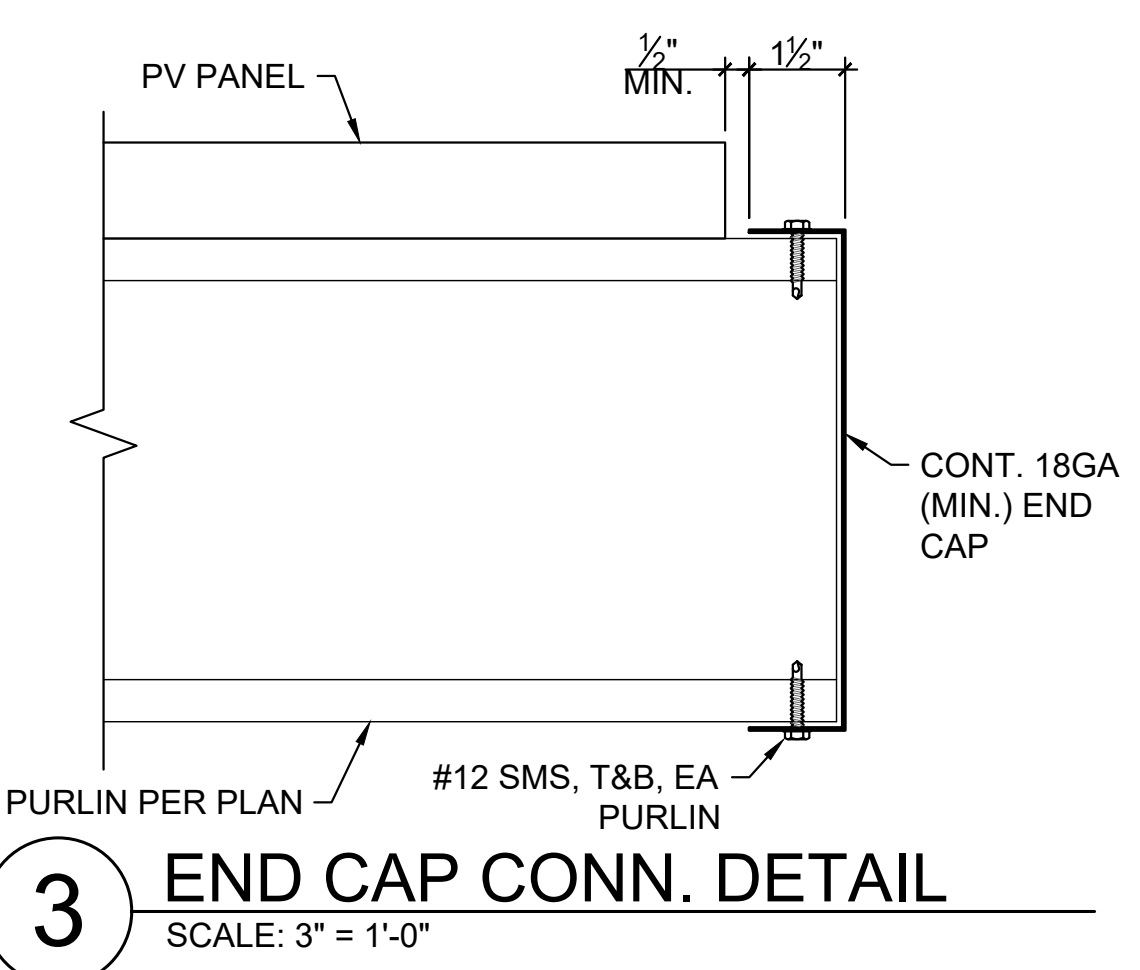
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