

PROJECT DATA:

PROJECT NAME: NOTRE DAME PREPARATORY SCHOOL
LOCATION: 9701 E BELL RD, SCOTTSDALE, ARIZONA 85260
ASSESSORS PARCEL NUMBER: 217-14-989

LEGAL DESCRIPTION: NOTRE DAME PREPARATORY HIGH SCHOOL MCR 1155-47

EXISTING LAND USE: PREPARATORY HIGH SCHOOL

CURRENT ZONING: R1-35

PROJECT DESCRIPTION: THIS PROJECT CONSISTS ON THE CONSTRUCTION OF NINE (09) SOLAR CARPORT STRUCTURES OVER THE EXISTING PARKING LOT AREA AND SEVEN (07) SOLAR SHADE STRUCTURES OVER EXISTING BLEACHERS AND EXISTING LANDSCAPE AREAS OF NOTRE DAME PREPARATORY SCHOOL.

BUILDING INFORMATION:

CONSTRUCTION TYPE / USE OCCUPANCY:

EX. BUILDING A	III-B / E
EX. BUILDING B	III-B / E
EX. BUILDING C	III-B / E
EX. BUILDING D	III-B / E
EX. BUILDING E	III-B / E
EX. BUILDING F	III-B / E
EX. BUILDING G	III-B / E
EX. BUILDING H	III-B / E
EX. BUILDING I	III-B / E
EX. BUILDING J	III-B / E
EX. BUILDING K	III-B / E

NEW SOLAR CARPORT STRUCTURES
NEW SOLAR SHADE STRUCTURES

II-B / UTILITY AND MISCELLANEOUS (GROUP U)
II-B / UTILITY AND MISCELLANEOUS (GROUP U)

STORIES: 1 STORY (FOR ALL SOLAR CARPORTS)

HEIGHT:

ALL CARPORT STRUCTURES	MIN. 9'-0"
ALL SHADE STRUCTURES	MIN. 13'-0"

SITE AREA: NET
41.18 ACRES (1,793,840 S.F.)

LOT COVERAGE:
EXISTING BUILDING AREA: 4.48 ACRES / 41.18 ACRES = 10.87%
NEW SOLAR CANOPIES AREA: 151,098.59 S.F. (3.46 ACRES)
NEW TOTAL AREA: 44,195.52 S.F. (1.01 ACRES)
NEW TOTAL AREA: 195,294.11 S.F. (4.48 ACRES)

BUILDING AREAS:

EXISTING BUILDINGS:

EX. BUILDING A	34,771.44 S.F.
EX. BUILDING B	13,992.44 S.F.
EX. BUILDING C	11,939.37 S.F.
EX. BUILDING D	5,840.17 S.F.
EX. BUILDING E	14,733.95 S.F.
EX. BUILDING F	10,273.13 S.F.
EX. BUILDING G	12,311.65 S.F.
EX. BUILDING H	12,049.17 S.F.
EX. BUILDING I	12,311.65 S.F.
EX. BUILDING J	1,441.68 S.F.
EX. BUILDING K	1,441.68 S.F.
EX. BLEACHERS	19,992.26 S.F.
EXISTING TOTAL:	151,098.59 S.F. (3.46 ACRES)

NEW CANOPIES:

CS-1 SOLAR CARPORT #1	2,389.9 S.F.
CS-2 SOLAR CARPORT #2	1,450.08 S.F.
CS-3 SOLAR CARPORT #3	2,847.12 S.F.
CS-4 SOLAR CARPORT #4	2,163.59 S.F.
CS-5 SOLAR CARPORT #5	937.62 S.F.
CS-6 SOLAR CARPORT #6	1,450.08 S.F.
CS-7 SOLAR CARPORT #7	2,135.23 S.F.
CS-8 SOLAR CARPORT #8	1,450.08 S.F.
CS-9 SOLAR CARPORT #9	6,908.89 S.F.
SS-1 SHADE STRUCTURE #1	4,918.31 S.F.
SS-2 SHADE STRUCTURE #2	9,027.29 S.F.
SS-3 SHADE STRUCTURE #3	1,023.02 S.F.
SS-4 SHADE STRUCTURE #4	4,788.00 S.F.
SS-5 SHADE STRUCTURE #5	2,277.18 S.F.
SS-6 SHADE STRUCTURE #6	1,365.28 S.F.
SS-7 SHADE STRUCTURE #7	2,277.18 S.F.

NEW SOLAR CANOPIES TOTAL: 47,106.65 S.F. (1.08 ACRES)
NEW SOLAR STRUCTURES COLOR: NATURAL RUST PATINA

COVERED PARKING CALCULATIONS:

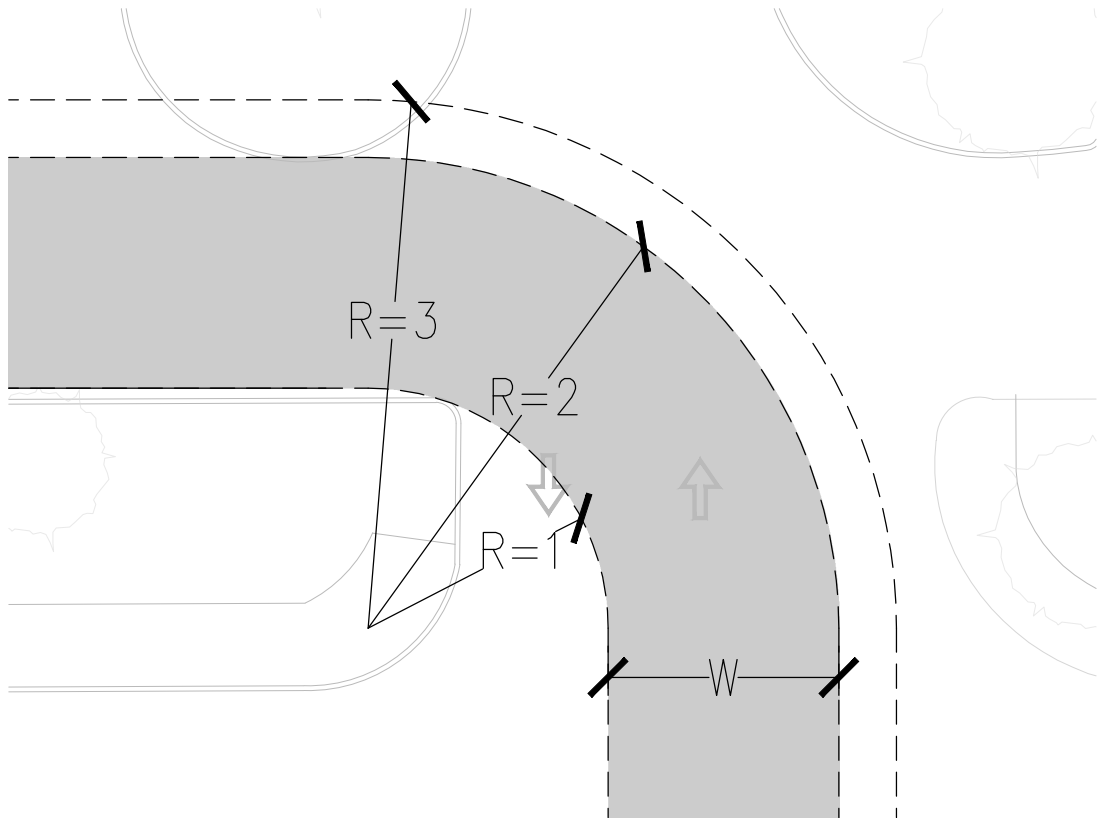
751 TOTAL EXISTING PARKING SPACES
19 TOTAL EXISTING ACCESSIBLE PARKING SPACES
87 TOTAL PARKING SPACES COVERED
84 REGULAR PARKING SPACES COVERED
3 ACCESSIBLE PARKING SPACES COVERED

MINOR COMMERCIAL SITE PLAN NOTES:

- DEVELOPMENT AND USE OF THIS SITE WILL CONFORM WITH ALL APPLICABLE CODES AND ORDINANCES.
- THIS PROJECT IS LOCATED IN THE CITY OF SCOTTSDALE WATER SERVICE AREA AND HAS BEEN DESIGNATED AS HAVING AN ASSURED WATER SUPPLY.
- ALL NEW OR RELOCATED UTILITIES WILL BE PLACED UNDERGROUND.
- ALL SIGNAGE REQUIRES SEPARATE APPROVALS AND PERMITS.
- ANY LIGHTING WILL BE PLACED SO AS TO DIRECT LIGHT AWAY FROM THE ADJACENT RESIDENTIAL DISTRICTS AND WILL NOT EXCEED ONE FOOT CANDLE AT THE PROPERTY LINE. NO NOISE, ODOR OR VIBRATION WILL BE EMITTED SO THAT IT EXCEEDS THE GENERAL LEVEL OF NOISE, ODOR OR VIBRATION EMITTED BY USES OUTSIDE OF THE SITE.
- OWNERS OF PROPERTY ADJACENT TO PUBLIC RIGHT-OF-WAY WILL HAVE THE RESPONSIBILITY FOR MAINTAINING ALL LANDSCAPING WITHIN THE RIGHTS-OF-WAY IN ACCORDANCE WITH APPROVED PLANS.
- AFTER FINAL APPROVAL THE PROJECT WILL BE INSPECTED FOR ZONING COMPLIANCE DURING CONSTRUCTION.
- ALL ROOFTOP EQUIPMENT AND SATELLITE DISHES SHALL BE SCREENED TO THE HEIGHT OF THE TALLEST EQUIPMENT.
- ALL SERVICE AREAS SHALL BE SCREENED TO CONCEAL TRASH CONTAINERS, LOADING DOCKS, TRANSFORMERS, BACKFLOW PREVENTERS AND OTHER MECHANICAL OR ELECTRICAL EQUIPMENT FROM EYE LEVEL ADJACENT TO ALL PUBLIC STREETS.
- ALL ON-SITE ACCESSIBLE SIDEWALKS SHALL BE A MINIMUM OF 3 FEET 0 INCHES WIDE AND HAVE A MAXIMUM SLOPE OF 1:20 WITH THE MAXIMUM CROSS SLOPE OF 1:50. ALL CURBS MUST PROVIDE ACCESSIBLE RAMPS PURSUANT TO THE AMERICANS WITH DISABILITIES ACT (ADA) STANDARDS.
- LANDSCAPE SHALL BE MAINTAINED BY A PERMANENT AND AUTOMATIC IRRIGATION SYSTEM TO MINIMIZE MAINTENANCE AND WATER CONSUMPTION.

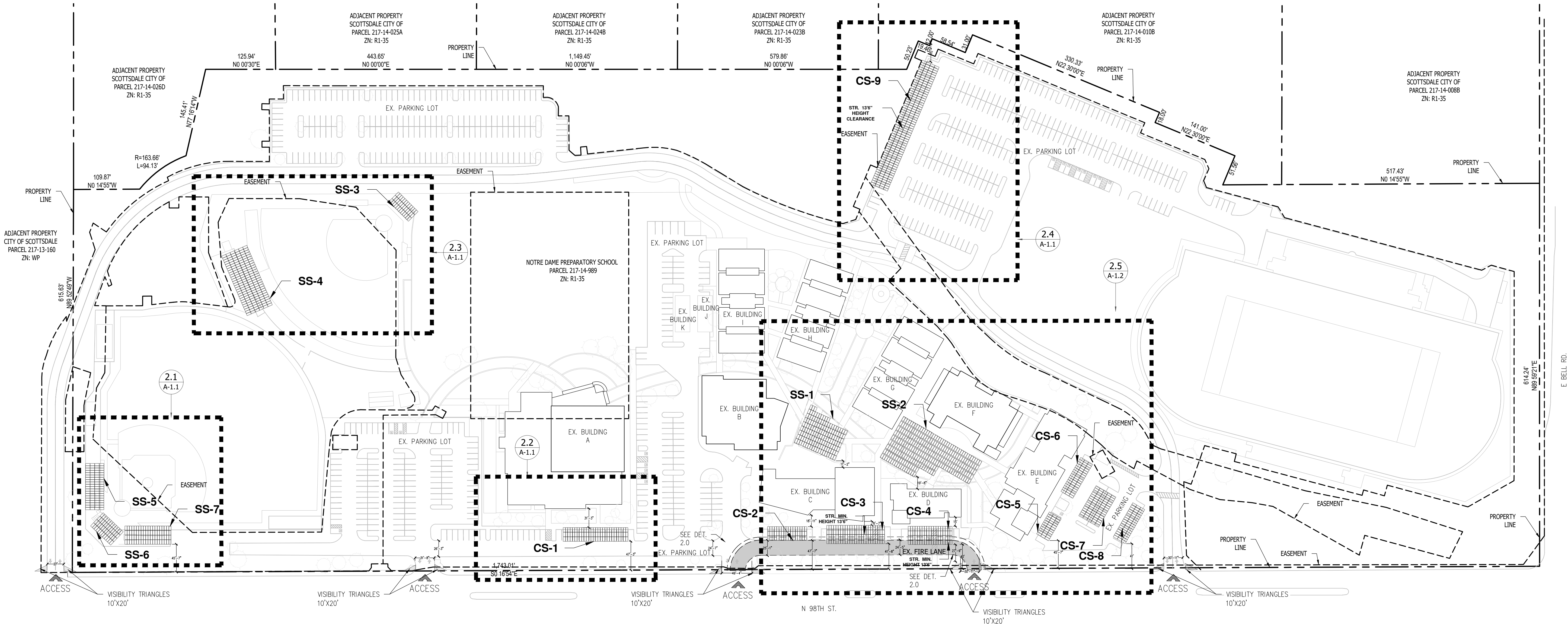
FIRE SITE PLAN NOTES:

- W = 24' MIN.
R1 = 25'
R2 = 49' FOR COMMERCIAL AND MULTI-FAMILY RESIDENTIAL USES.
R3 = 55' MIN FOR AERIAL BUCKET CLEARANCE COMMERCIAL AND MULTI-FAMILY USES.
- THE MINIMUM RADIUS OF ALL FIRE LANE TURNS, AND THE AERIAL BUCKET CLEARANCE ON A TURN FOR COMMERCIAL USE SHALL COMPLY WITH FIGURE 2.0.
 - THERE SHOULD NOT BE BARRIERS OVER 6 FEET IN HEIGHT ON THE OUTER AERIAL BUCKET RADIUS INDICATED AS R3.
 - THE MINIMUM VERTICAL CLEARANCE FOR THE PASSAGE OF FIRE DEPARTMENT APPARATUS IS 13 FEET 6 INCHES.



2.0 FIRE LANE DIMENSIONS TYP. DETAIL

Scale: 1"=20'-0"



1.0

GENERAL SITE PLAN

Scale: NTS

DESIGNED BY:



1865 E 3RD ST SUITE B
TEMPE, AZ 85281
(602) 499-8557 (OFFICE)
WWW.SONORASOLAR.NET

PROJECT INFORMATION:
NOTRE DAME PREPARATORY HIGH SCHOOL
PHOTOVOLTAIC SYSTEM: 849.58 KW DC/ 653.00 KW AC

ADDRESS: 9701 E BELL RD, SCOTTSDALE, AZ 85260
OWNER: NOTRE DAME PREPARATORY CATHOLIC HIGH SCHOOL

CUSTOMER INFORMATION:

SCOUT SOLAR LLC
1865 E 3RD ST SUITE A
TEMPE, AZ 85281
(602) 288-6732 (OFFICE)
(615) 301-3164 (FAX)
WWW.SCOUTSOLAR.COM

DESIGNED BY: A. GRIJALVA

REVIEWED BY: A. GRIJALVA

DATE: 11/11/2022

REV	BY	DATE	COMMENTS/CHANGES
1	AG	01.05.2023	PER UTILITY

FOR P.E./ARCHITECT USE

FOR AUTHORITY HAVING JURISDICTION USE
AHJ: SCOTTSDALE

STRUCTURAL SITE
PLAN

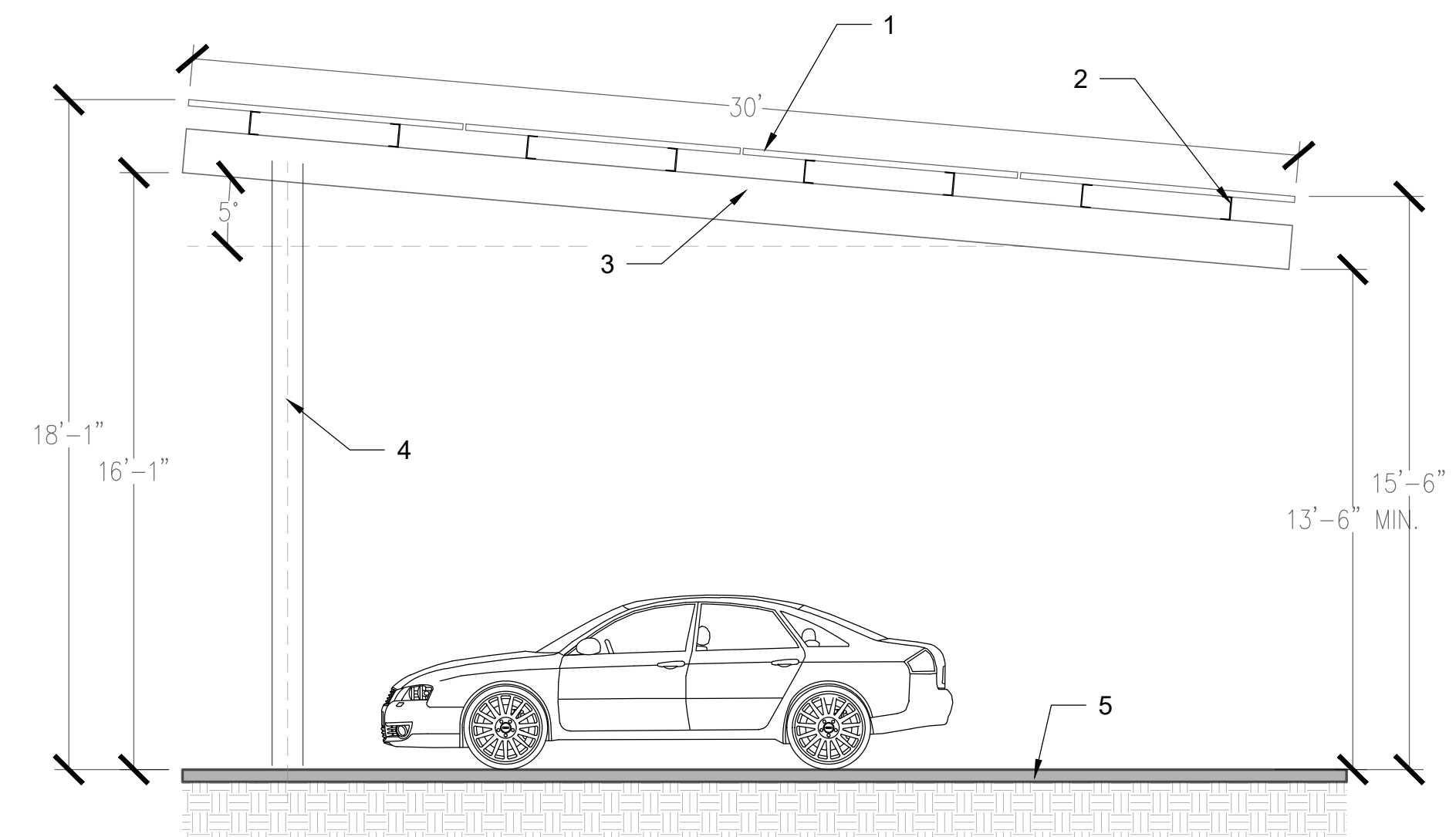
SHEET No.

S-1.0

PROJECT#: 22-112-1110

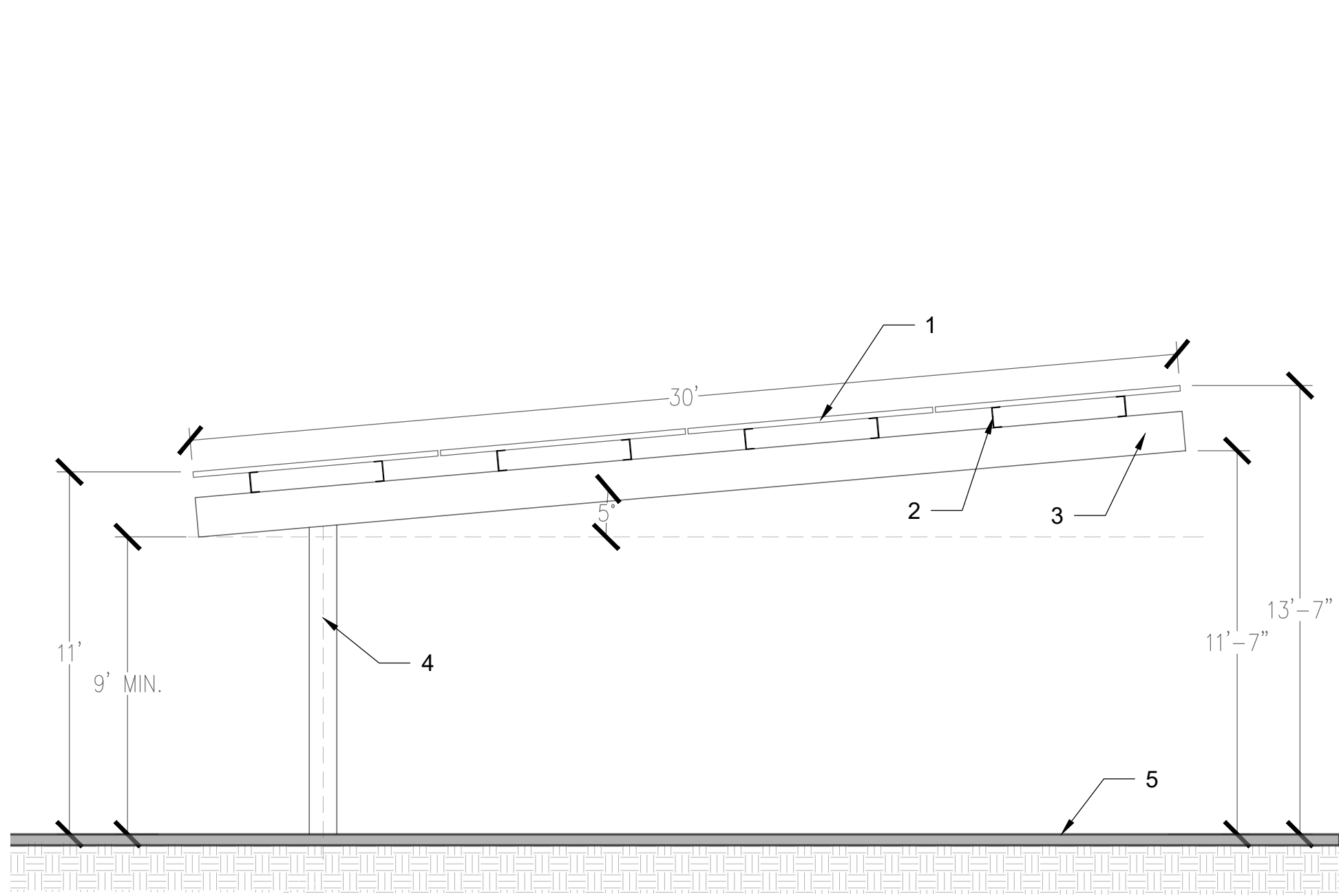
ENLARGED SITE PLAN	SHEET No. A-1.1
PROJECT#: 22-112-1110	

Scale: 1"-30'-0"

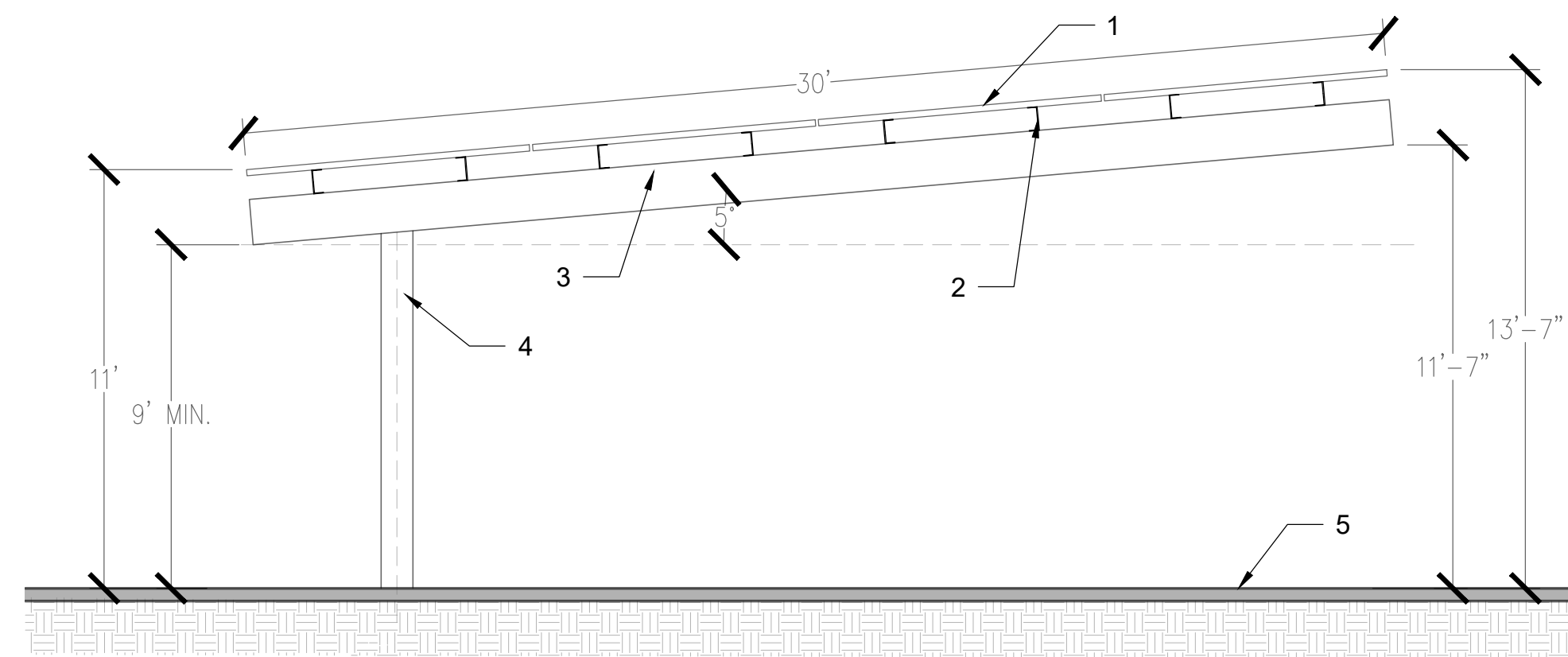


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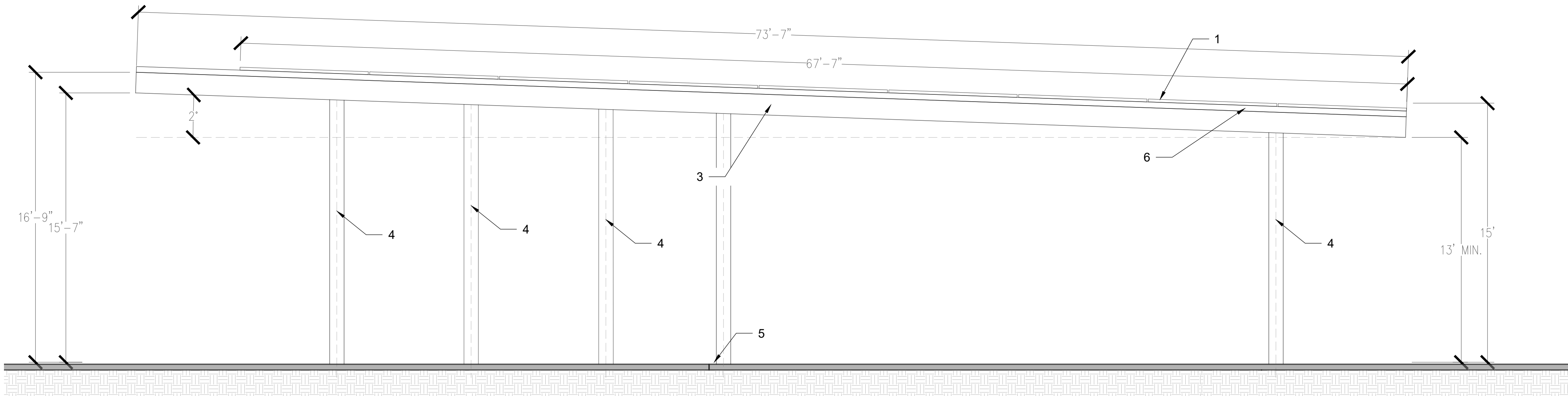
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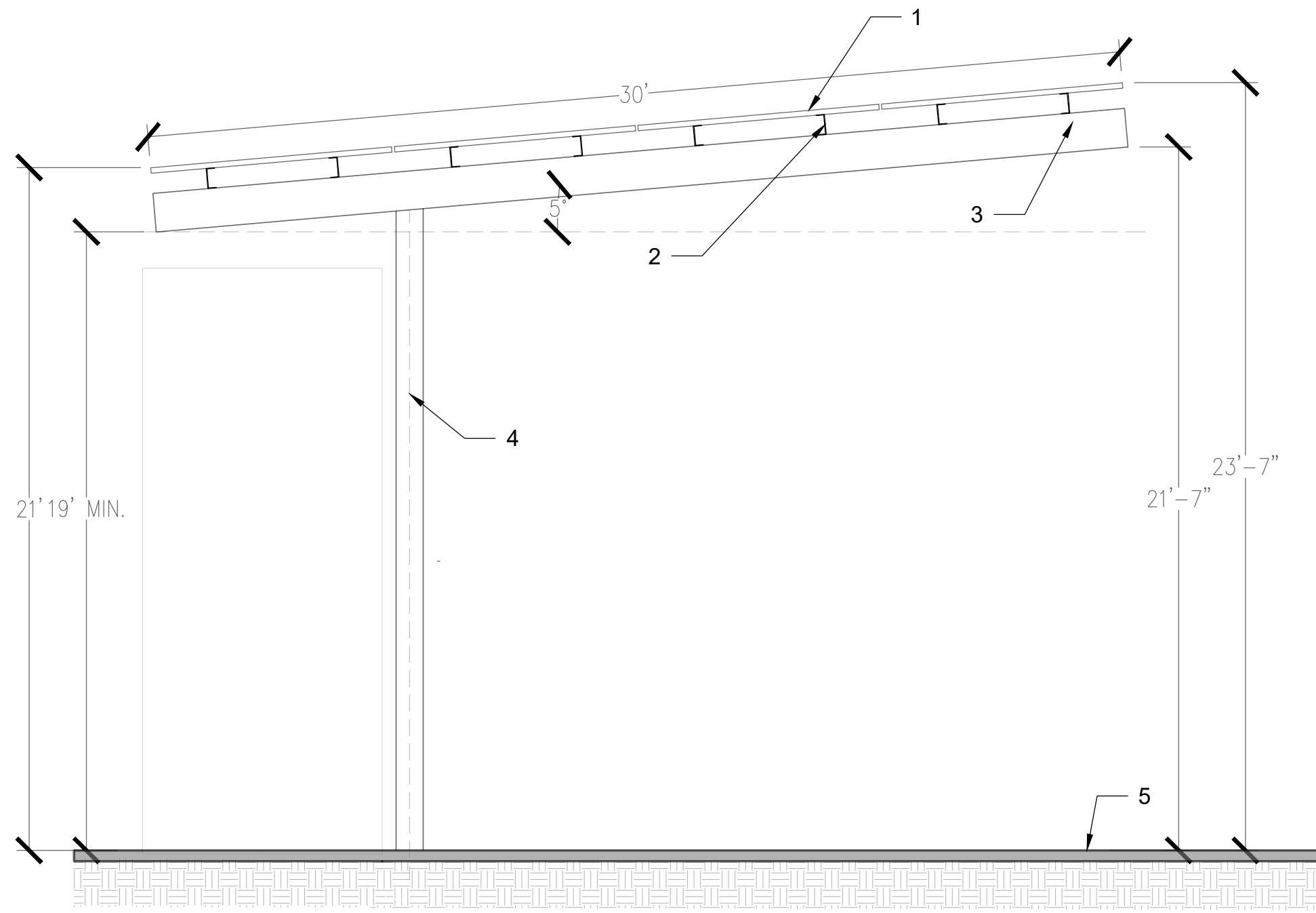
A CONCEPTUAL SHADE STRUCTURE FRAMING SECTION
Scale: 1/4"=1'-0"



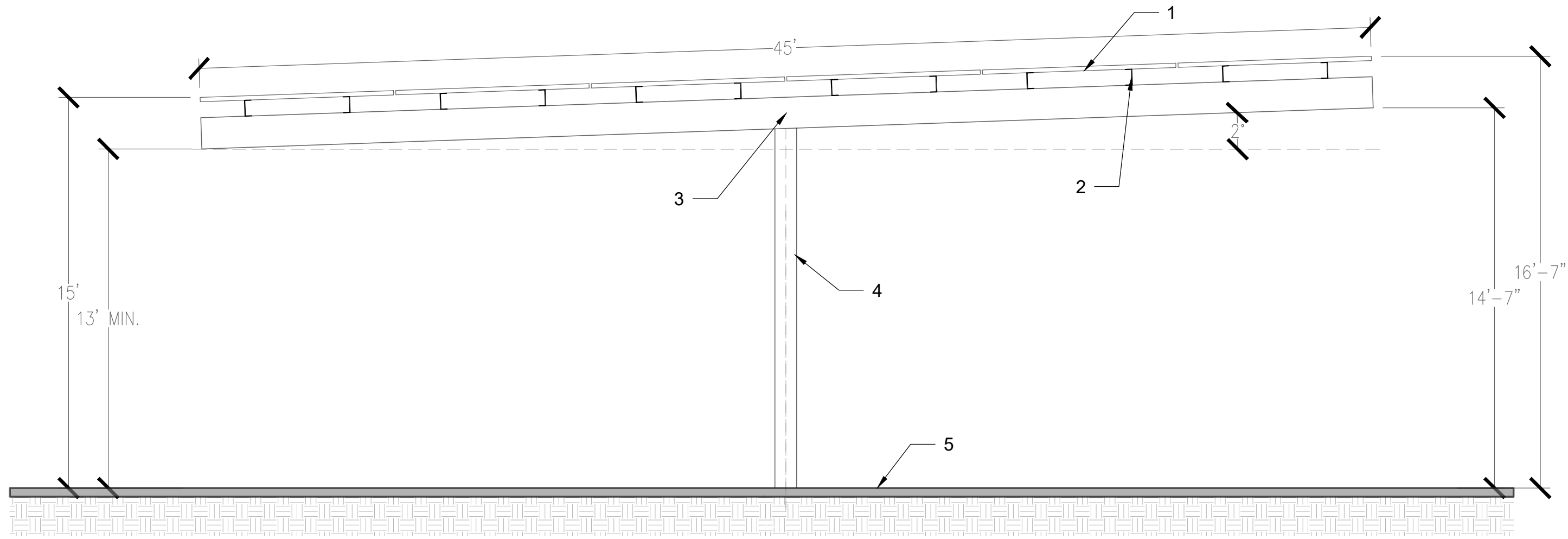
C CONCEPTUAL SHADE STRUCTURE FRAMING SECTION
Scale: 1/4"=1'-0"



H CONCEPTUAL SHADE STRUCTURE FRAMING SECTION
Scale: 1/4"=1'-0"



B CONCEPTUAL SHADE STRUCTURE FRAMING SECTION
Scale: 1/4"=1'-0"



E CONCEPTUAL SHADE STRUCTURE FRAMING SECTION
Scale: 1/4"=1'-0"

- STRUCTURES COLOR: NATURAL RUST PATINA**
SECTION NOTES:
1. SOLAR MODULES
 2. PURLINS
 3. STEEL BEAM
 4. STEEL COLUMN
 5. ASPHALT, CONCRETE, OR FINISHED GRADE

DESIGNED BY:



1865 E 3RD ST SUITE B
TEMPE, AZ 85281
(602) 499-8557 (OFFICE)
WWW.SONORASOLAR.NET

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REVIEWED BY:			A. GRIJALVA
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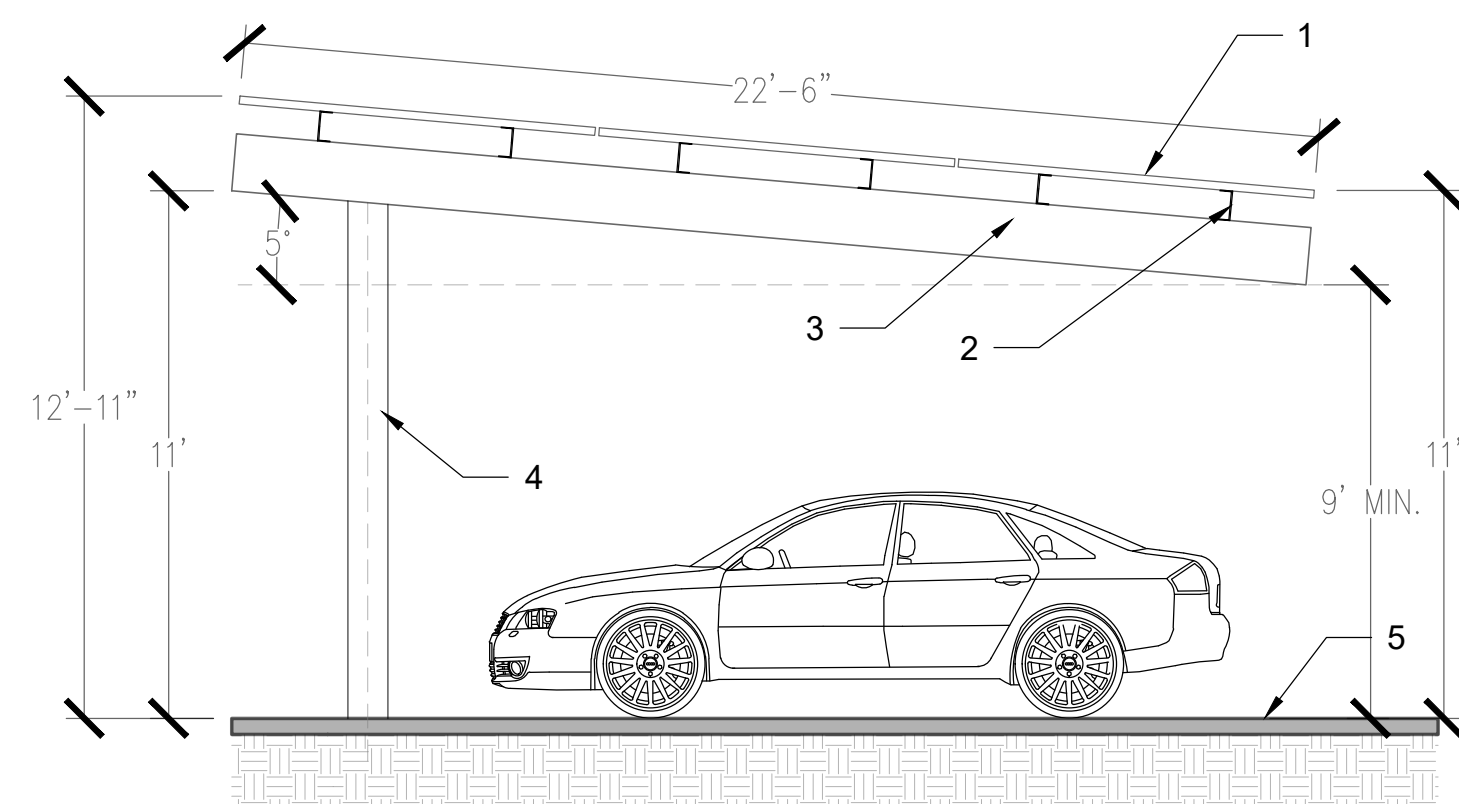
FOR P.E./ARCHITECT USE

FOR AUTHORITY HAVING JURISDICTION USE
AHJ: SCOTTSDALE

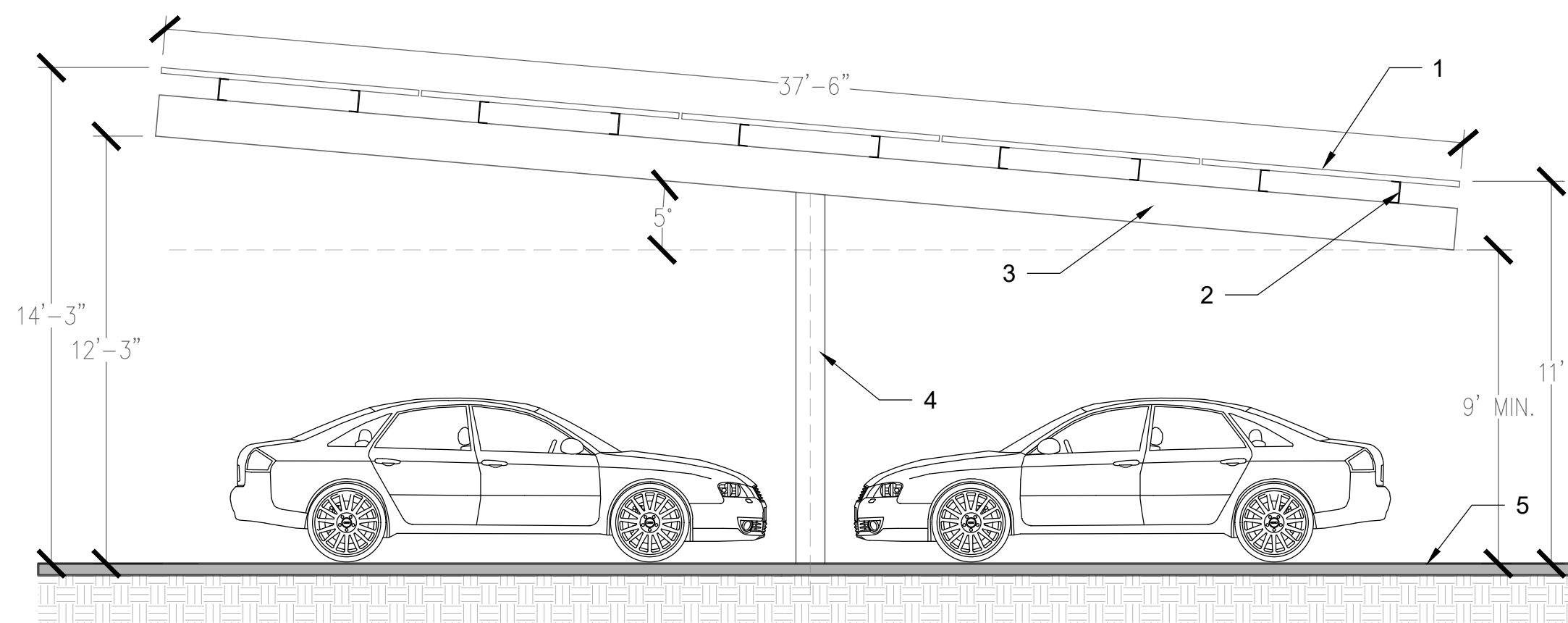
SOLAR SHADE
SECTIONS

SHEET No.
A-1.3

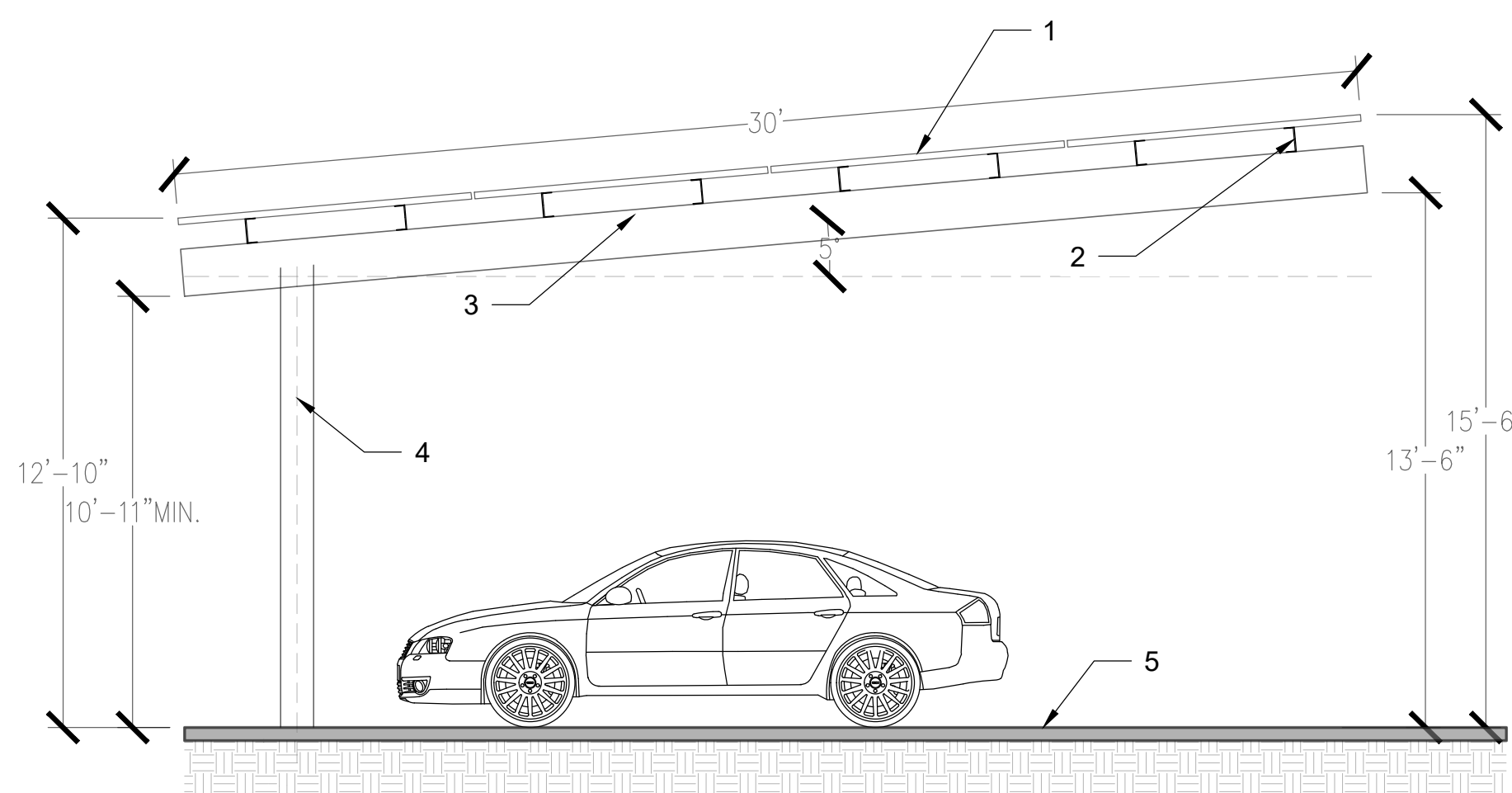
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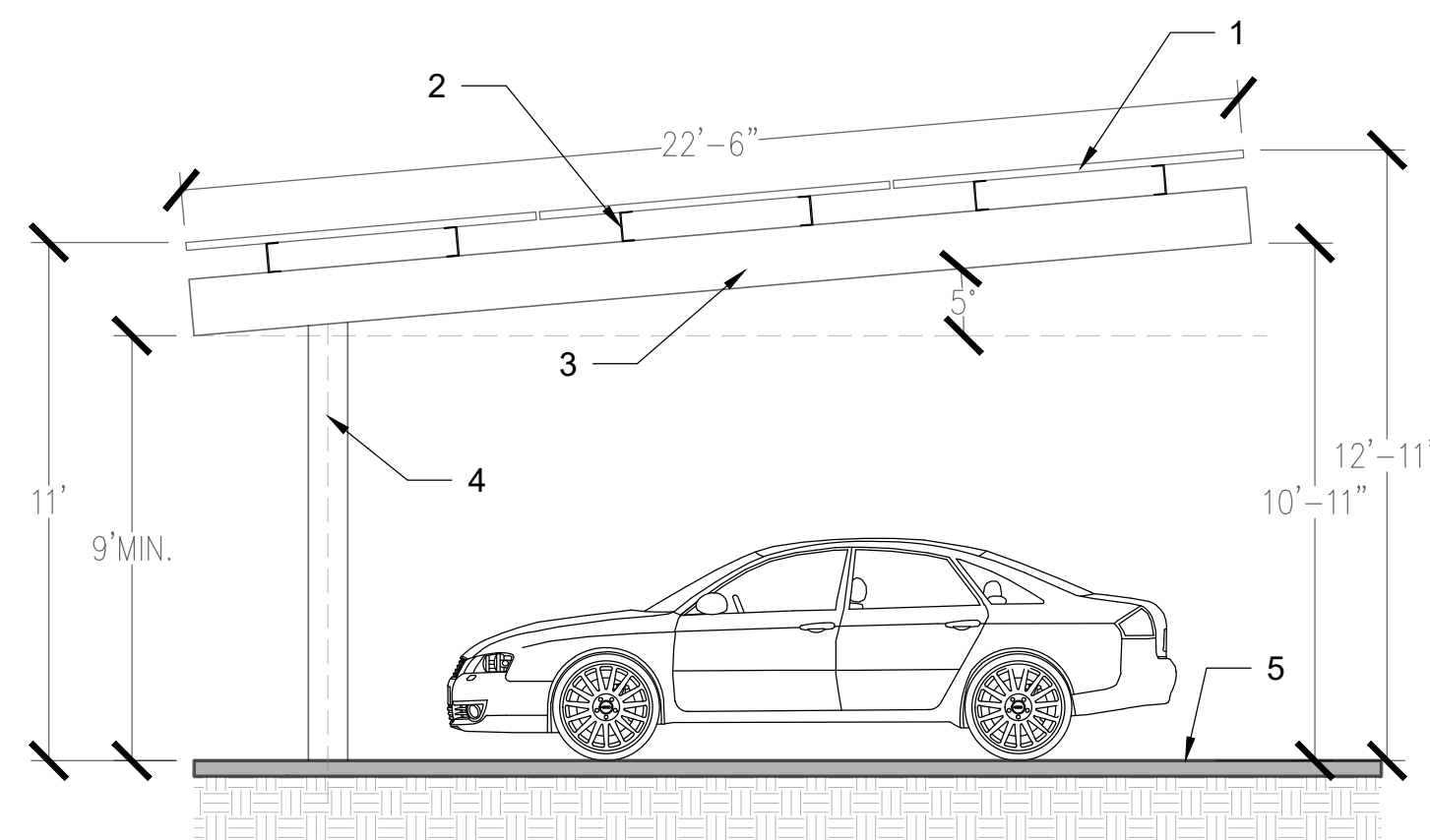
F CONCEPTUAL CARPORT FRAMING SECTION



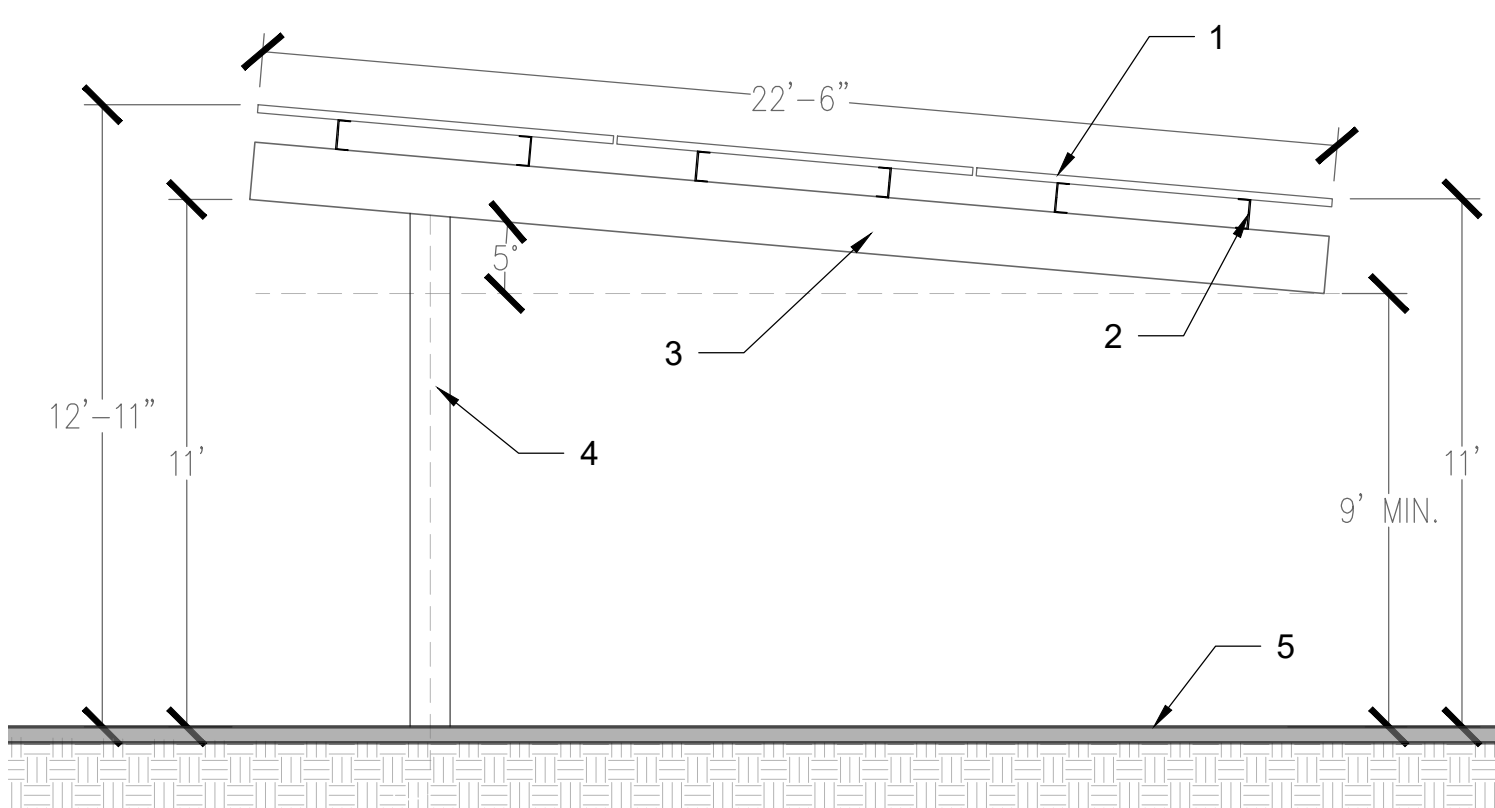
G CONCEPTUAL CARPORT FRAMING SECTION



F-2 CONCEPTUAL CARPORT FRAMING SECTION

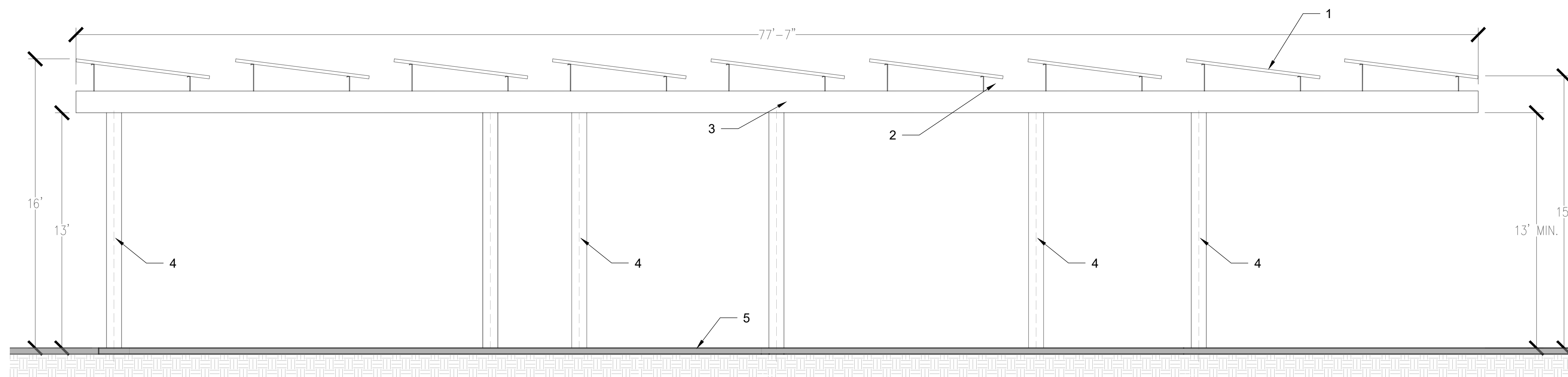


(F-1) CONCEPTUAL CARPORT FRAMING SECTION



(D) CONCEPTUAL SHADE STRUCTURE FRAMING SECTION

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



I CONCEPTUAL SHADE STRUCTURE FRAMING SECTION

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

STRUCTURES COLOR: NATURAL RUST PATINA

SECTION NOTES:

1. SOLAR MODULES
2. PURLINS
3. STEEL BEAM
4. STEEL COLUMN
5. ASPHALT, CONCRETE, OR FINISHED GRADE
6. CORRUGATED STEEL ROOF

DESIGNED BY:



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 **scoutsolar**

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WWW.SCOUTSOLAR.COM

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FOR P.E./ARCHITECT USE

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AHJ: SCOTTSDALE

SOLAR SHADE SECTIONS

SHEET No.
A-1.4

PROJECT#: 22-112-1110