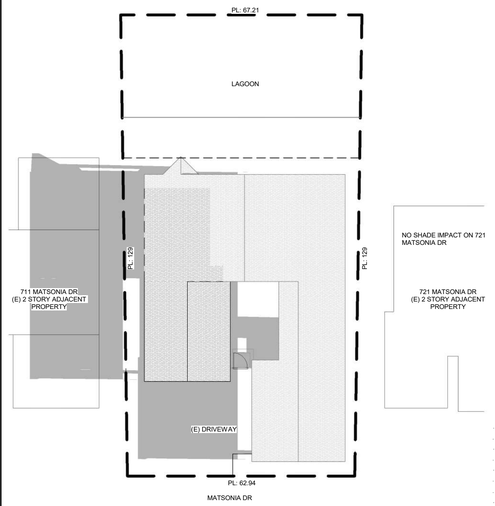
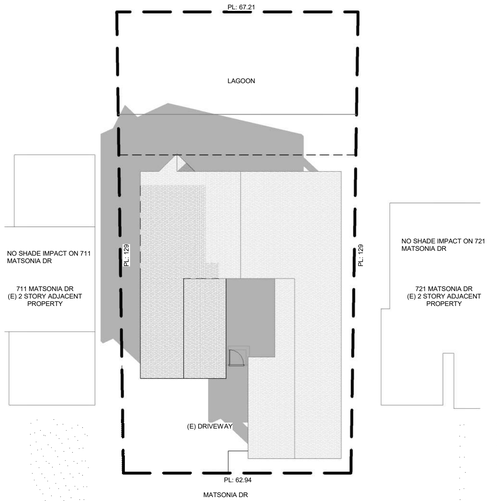


1 EXISTING SOLAR STUDY-DEC 21 9AM
SCALE 1" = 20'-0"



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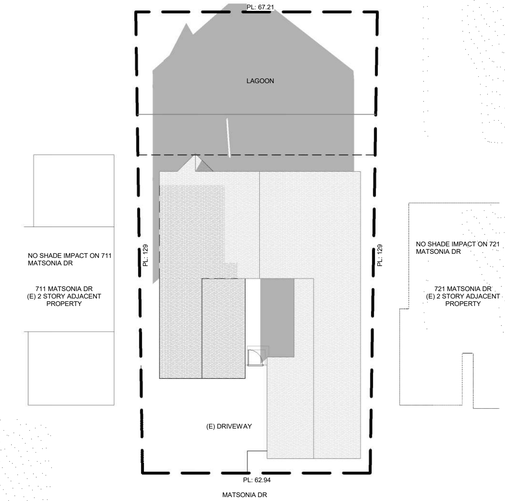
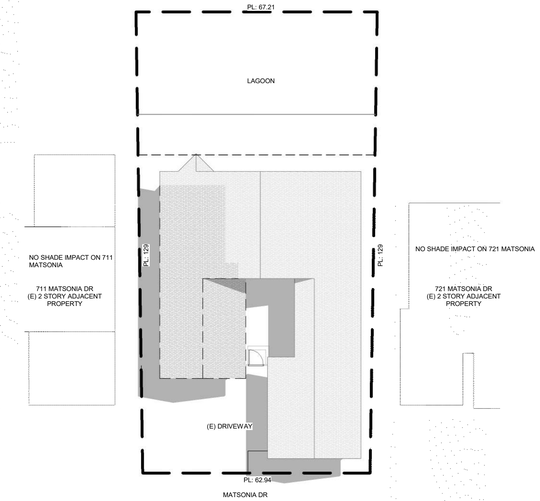
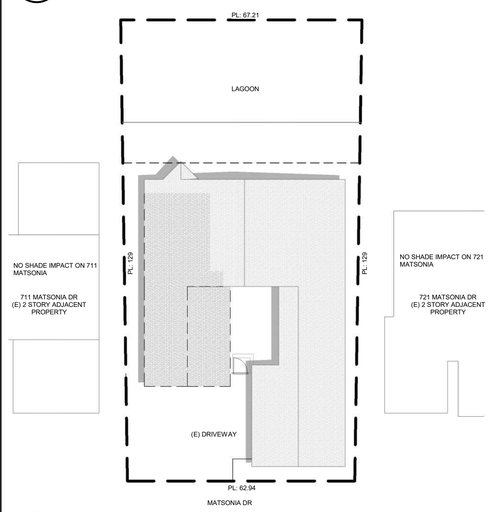
SCALE 1" = 20'-0"



3 EXISTING SOLAR STUDY-DEC 21 3PM
SCALE 1" = 20'-0"



4 EXISTING SOLAR STUDY-JUN 21 9AM
SCALE 1" = 20'-0"



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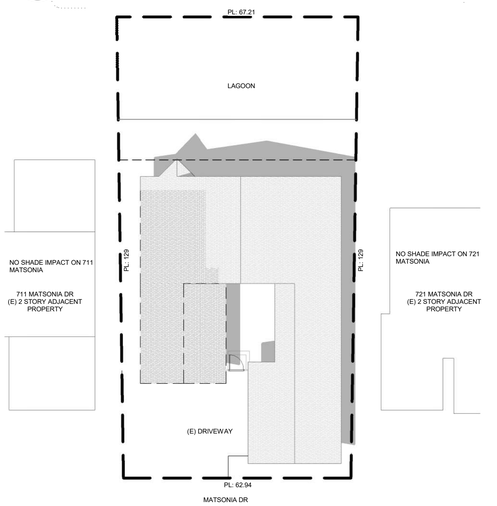
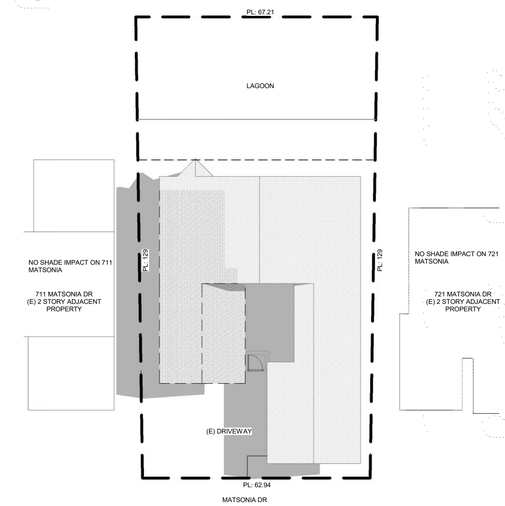
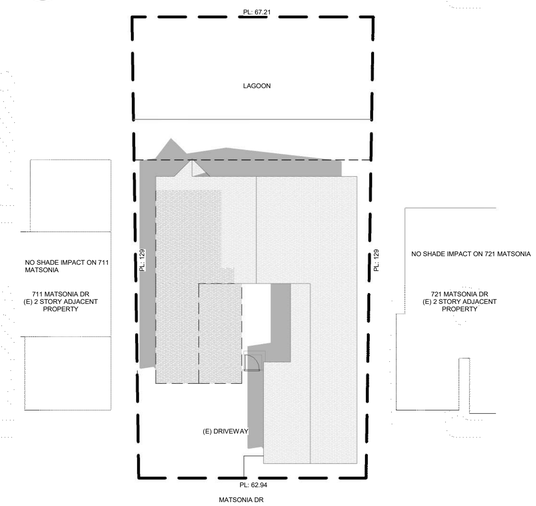


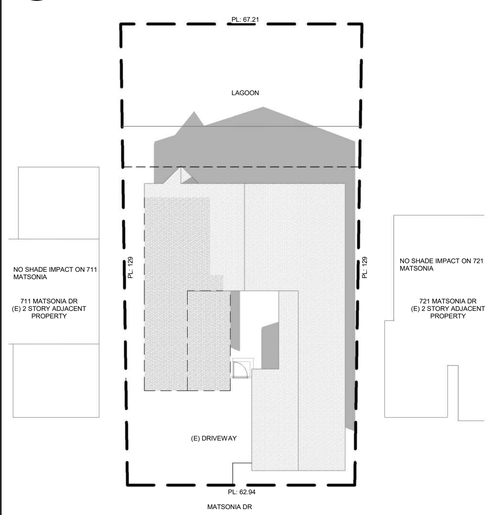
6 EXISTING SOLAR STUDY-JUN 21 3PM
SCALE 1" = 20'-0"



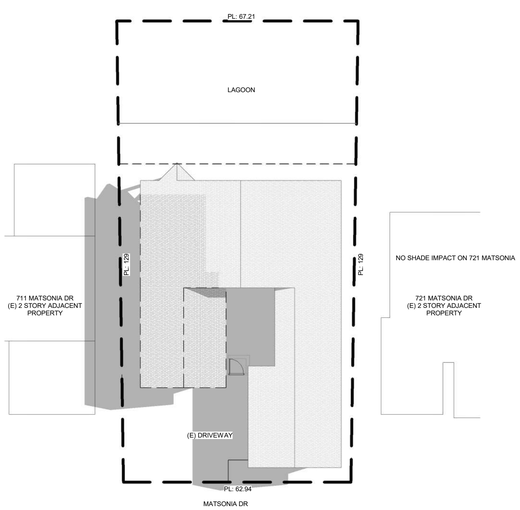
7 EXISTING SOLAR STUDY-SEP 21 9AM
SCALE 1" = 20'-0"



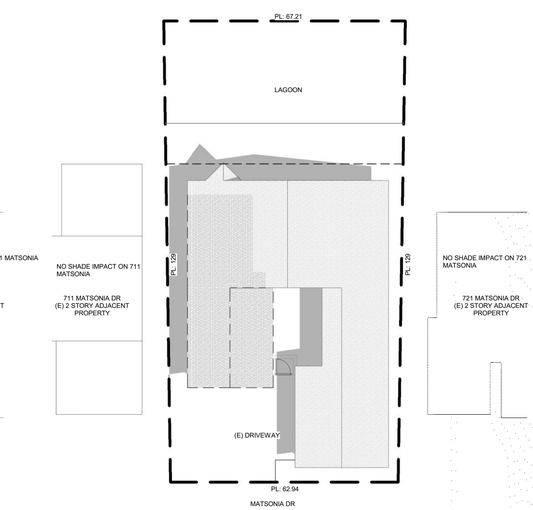
8 EXISTING SOLAR STUDY-SEP 21 12PM
SCALE 1" = 20'-0"



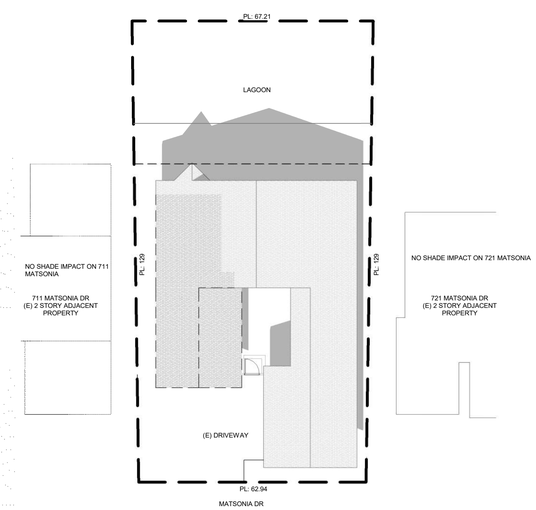
9 EXISTING SOLAR STUDY-SEP 21 3PM
SCALE 1" = 20'-0"



10 EXISTING SOLAR STUDY-MAR 21 9AM
SCALE 1" = 20'-0"



11 EXISTING SOLAR STUDY-MAR 21 12PM
SCALE 1" = 20'-0"



12 EXISTING SOLAR STUDY-MAR 21 3PM
SCALE 1" = 20'-0"

(E) DEC SHADING STUDY SUMMARY: 711 MATSONIA DR

a. From which direction does the adjacent house receive direct sunlight?
SE, S, SW
b. When does the adjacent house currently receive direct sunlight?
SUNRISE TO SUNSET
c. (E) loss of sunlight to any window of an adjacent house?
YES @ 711 MATSONIA
d. If so, what rooms will be impacted (i.e. Kitchen, living room, bedroom, etc)?
BONUS RM, GARAGE
e. During which season(s) of the year is there be an impact?
WINTER, SPRING, FALL
f. During each season with an impact, what hours of the day will the sunlight be lost?
WINTER: 9:00 AM THROUGH 11:45 AM
g. How many hours of sunlight are lost at each season?
2.75
h. How many hours of direct sunlight will be retained at each impacted season, and at what approximate time of the day is this.
ALL HOURS AFTER 11:45AM

(E) MAR SHADING STUDY SUMMARY: 711 MATSONIA DR

a. From which direction does the adjacent house receive direct sunlight?
SE, S, SW
b. When does the adjacent house currently receive direct sunlight?
SUNRISE TO SUNSET
c. (E) loss of sunlight to any window of an adjacent house?
YES @ 711 MATSONIA
d. If so, what rooms will be impacted (i.e. Kitchen, living room, bedroom, etc)?
BONUS RM, GARAGE
e. During which season(s) of the year is there be an impact?
WINTER, SPRING, FALL
f. During each season with an impact, what hours of the day will the sunlight be lost?
SPRING: 9:00 AM THROUGH 9:15 AM
g. How many hours of sunlight are lost at each season?
.15
h. How many hours of direct sunlight will be retained at each impacted season, and at what approximate time of the day is this.
ALL HOURS AFTER 09:15AM

EXISTING SHADOW STUDY SUMMARY TABLE

NUMBER.....711

ADDRESS.....MATSONIA DR

AFFECT HIGH USE RM.....NO

AFFECT LOW USE RM .....BONUS RM & GARAGE: DEC 21(2HR 45MIN)
BONUS RM & GARAGE: MAR 21(15 MIN)

DESIGN EVEREST
CONSULTING ENGINEERS
365 FLOWER LANE
MOUNTAIN VIEW, CA 94043
PHONE: (888) 311-3015 FAX: (650) 695-1801

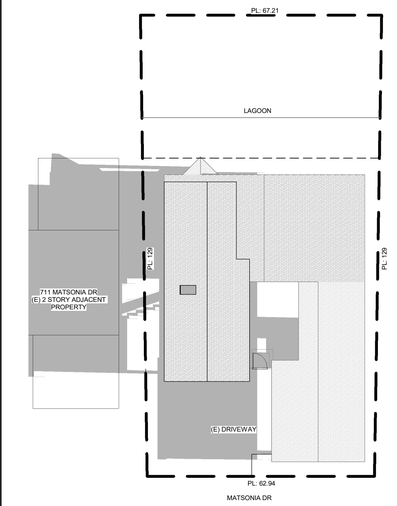
717 MATSONIA DR

PERMIT SET

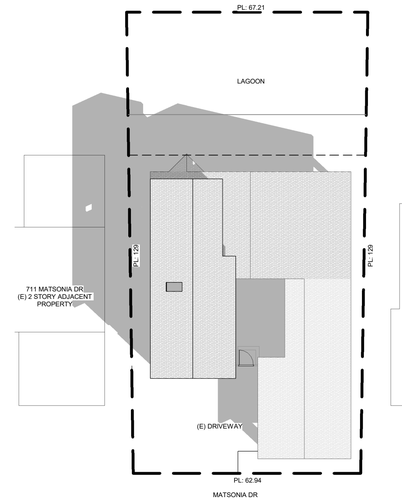
LICENSED ARCHITECT
ALI JABER
C38901
REN 01-31-23
STATE OF CALIFORNIA

SIGN DATE:	03/09/2023
DATE:	03/09/2023
SCALE:	AS NOTED
DRAWN BY:	AJ
CKD BY:	
PROJECT#:	202107183

A-006



1 PROPOSED SOLAR STUDY-DEC 21 9AM
SCALE 1" = 20'-0"



2 PROPOSED SOLAR STUDY-DEC 21 12PM
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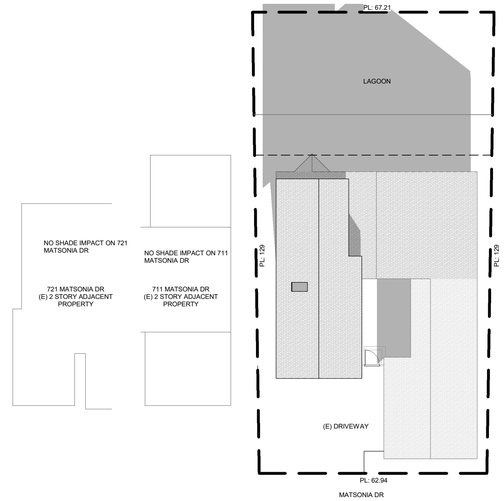
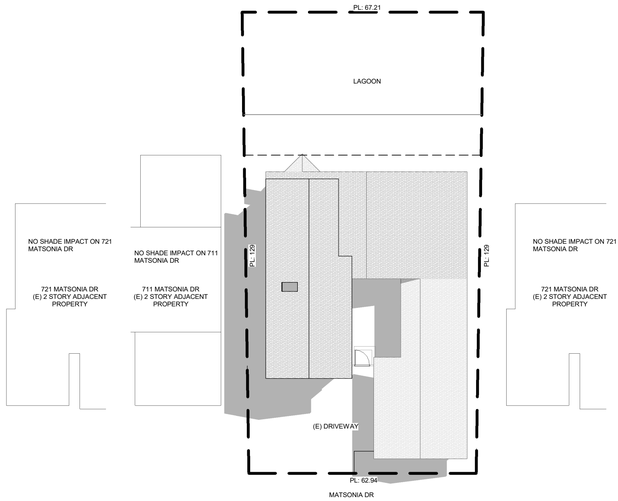
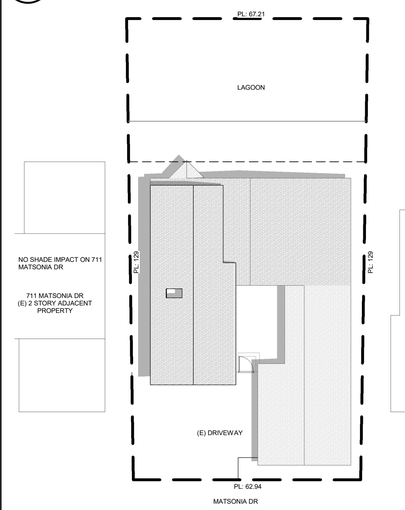


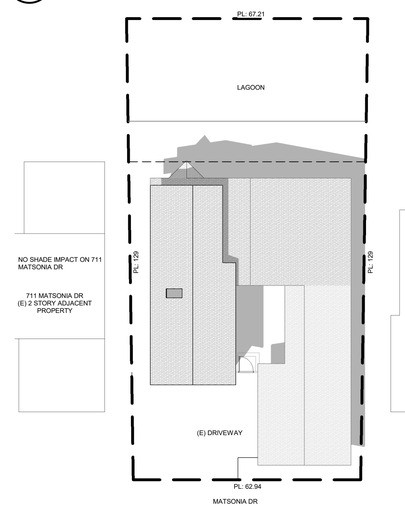
3 PROPOSED SOLAR STUDY-DEC 21 3PM
SCALE 1" = 20'-0"



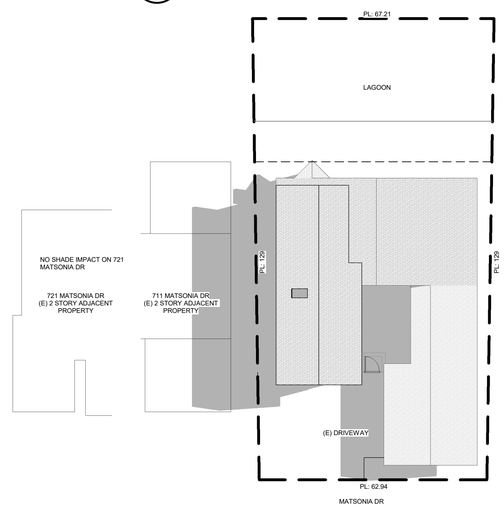
4 PROPOSED SOLAR STUDY-JUN 21 9AM
SCALE 1" = 20'-0"



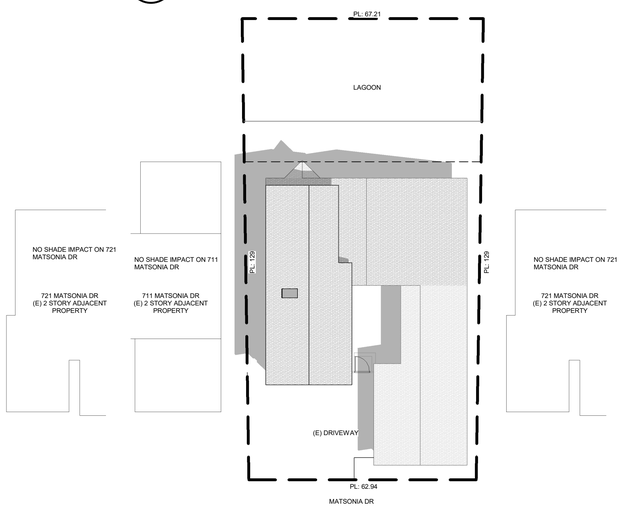
5 PROPOSED SOLAR STUDY-JUN 21 12PM
SCALE 1" = 20'-0"



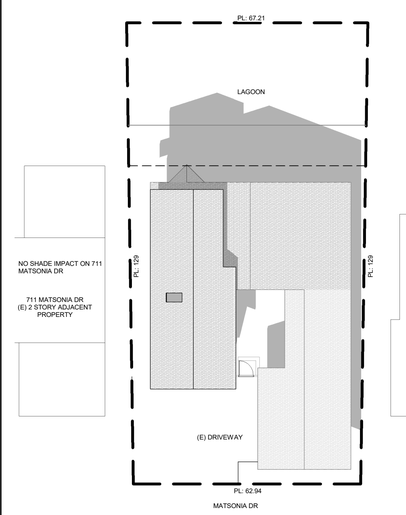
6 PROPOSED SOLAR STUDY-JUN 21 3PM
SCALE 1" = 20'-0"



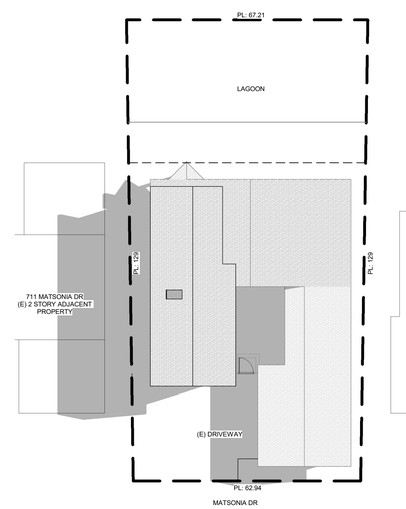
7 PROPOSED SOLAR STUDY-SEP 21 9AM
SCALE 1" = 20'-0"



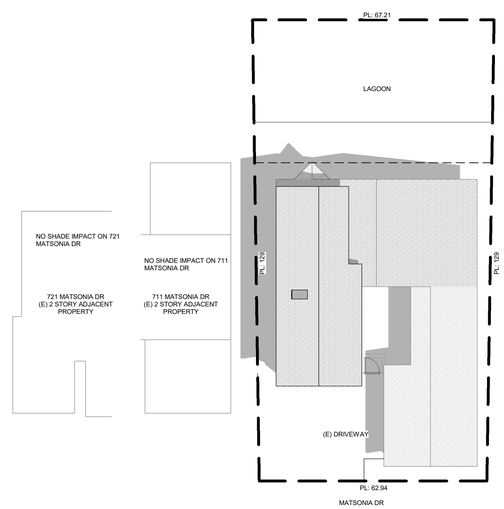
8 PROPOSED SOLAR STUDY-SEP 21 12PM
SCALE 1" = 20'-0"



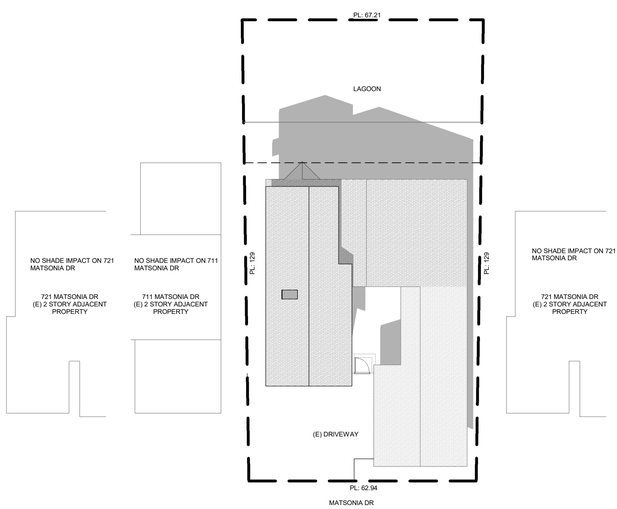
9 PROPOSED SOLAR STUDY-SEP 21 3PM
SCALE 1" = 20'-0"



10 PROPOSED SOLAR STUDY-MAR 21 9AM
SCALE 1" = 20'-0"



11 PROPOSED SOLAR STUDY-MAR 21 12PM
SCALE 1" = 20'-0"



12 PROPOSED SOLAR STUDY-MAR 21 3PM
SCALE 1" = 20'-0"

(N) DEC SHADING STUDY SUMMARY: 711 MATSONIA DR

a. From which direction does the adjacent house receive direct sunlight?
SE, S, SW
b. When does the adjacent house currently receive direct sunlight?
SUNRISE TO SUNSET
c. Will the addition create any loss of sunlight to any window of an adjacent house?
YES @ 711 MATSONIA
d. If so, what rooms will be impacted (i.e. Kitchen, living room, bedroom, etc)?
BONUS RM, GARAGE
e. During which season(s) of the year will there be an impact?
WINTER, SPRING, FALL
f. During each season with an impact, what hours of the day will the sunlight be lost?
WINTER: 9:00 AM THROUGH 1:00 PM
g. How many hours of sunlight are lost at each season?
1.25
h. How many hours of direct sunlight will be retained at each impacted season, and at what approximate time of the day is this.
ALL HOURS AFTER 1:00PM

(N) SEP SHADING STUDY SUMMARY: 711 MATSONIA DR

a. From which direction does the adjacent house receive direct sunlight?
SE, S, SW
b. When does the adjacent house currently receive direct sunlight?
SUNRISE TO SUNSET
c. Will the addition create any loss of sunlight to any window of an adjacent house?
YES @ 711 MATSONIA
d. If so, what rooms will be impacted (i.e. Kitchen, living room, bedroom, etc)?
BONUS RM, GARAGE
e. During which season(s) of the year will there be an impact?
WINTER, SPRING, FALL
f. During each season with an impact, what hours of the day will the sunlight be lost?
FALL: 09:00 AM THROUGH 11:00 AM
g. How many hours of sunlight are lost at each season?
2
h. How many hours of direct sunlight will be retained at each impacted season, and at what approximate time of the day is this.
ALL HOURS AFTER 11:00AM

(N) MARCH SHADING STUDY SUMMARY: 711 MATSONIA DR

a. From which direction does the adjacent house receive direct sunlight?
SE, S, SW
b. When does the adjacent house currently receive direct sunlight?
SUNRISE TO SUNSET
c. Will the addition create any loss of sunlight to any window of an adjacent house?
YES @ 711 MATSONIA
d. If so, what rooms will be impacted (i.e. Kitchen, living room, bedroom, etc)?
BONUS RM, GARAGE
e. During which season(s) of the year will there be an impact?
WINTER, SPRING, FALL
f. During each season with an impact, what hours of the day will the sunlight be lost?
SPRING: 09:00 AM THROUGH 11:00 AM
g. How many hours of sunlight are lost at each season?
1.85
h. How many hours of direct sunlight will be retained at each impacted season, and at what approximate time of the day is this.
ALL HOURS AFTER 11:00AM

PROPOSED SHADOW STUDY SUMMARY TABLE

NUMBER.....711

ADDRESS.....MATSONIA DR

AFFECT HIGH USE RM.....NO

AFFECT LOW USE RM .....BONUS RM & GARAGE: DEC 21(4HR)
BONUS RM & GARAGE: SEP 21(2HR)
BONUS RM & GARAGE: MAR 21(2HR)

CONCLUSION:

AN ADDITIONAL LOSS OF SUNLIGHT AT THE N/E ELEVATION WILL BE CREATED DUE TO THE ADDITION AS FOLLOWS:

- DEC 21 - ADDITIONAL SHADE CREATED FROM 11:45AM TO 1:00PM TOTALING 1HR AND 15 MIN
- MAR 21 - ADDITIONAL SHADE CREATED FROM 09:15AM TO 11:00AM TOTALING 1HR AND 45 MIN
- SEP 21 - NEW SHADE CREATED FROM 09:00AM TO 11:00AM TOTALING 2HR

DESIGN EVEREST
CONSULTING ENGINEERS
365 FLOWER LANE
MOUNTAIN VIEW, CA 94043
PHONE: (888) 311-3015 FAX: (650) 695-1801

717 MATSONIA DR

PERMIT SET

LICENSED ARCHITECT
ALI JABER
C38901
REN 01-31-23
STATE OF CALIFORNIA

SIGN DATE:	03/09/2023
DATE:	03/09/2023
SCALE:	AS NOTED
DRAWN BY:	AJ
CKD BY:	
PROJECT#:	202107183

A-007