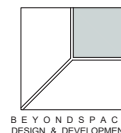


ADDITION TO SINGLE FAMILY RESIDENTIAL AT 2847 SYCAMORE WAY, SANTA CLARA, CA 95051



Tel. 510-789-5651
Email: 20beyondspace@gmail.com
42466 Grand Teton Park St.
FREMONT, CA 94538

ADDITION TO SINGLE FAMILY RESIDENTIAL
AT 2847 SYCAMORE WAY, SANTA CLARA, CA 95051

APN #: 293-22-062

DESIGNED BY:
SANGWOOK LEE

NO	DESCRIPTION	DATE
1	REVISIONS FOR PLNG. DEPT. COMMENTS	5/01/2020
2	REVISIONS FOR PLNG. DEPT. COMMENTS	6/16/2020
REVISION HISTORY - THIS SHEET		

PROJECT NO.: 2020-030

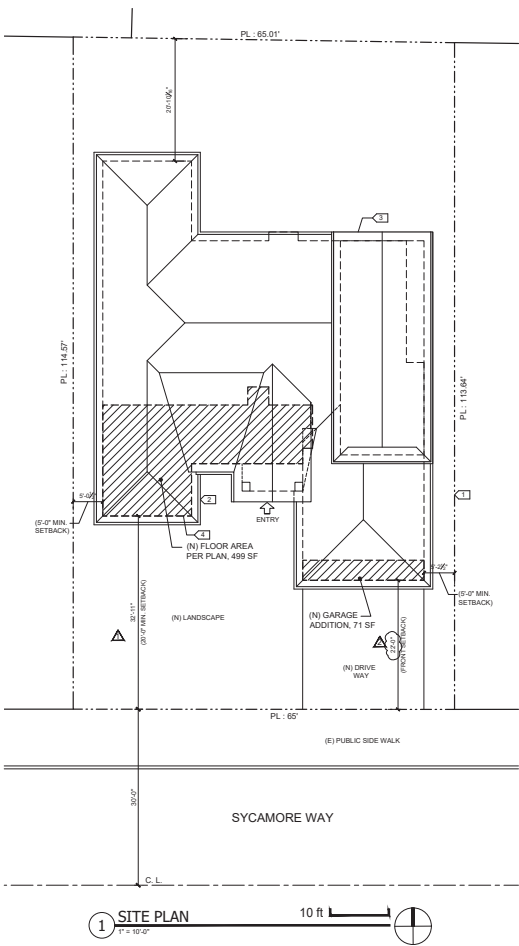
SHEET TITLE
PROJECT INFO
& SITE PLAN

DATE: MAY 05, 2020

CONSTRUCTION DOCUMENTS

SHEET NO.

A1.0



LEGEND

1. PROPERTY LINE

2. OUTLINE OF 1F ROOF

3. OUTLINE OF 2F ROOF

4. OUTLINE OF EXTERIOR WALL

SITE PLAN KEYNOTES

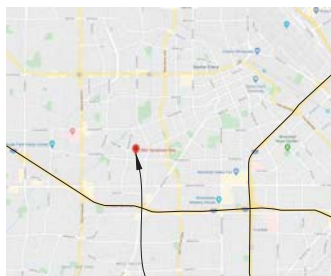
1. PROPERTY LINE

2. OUTLINE OF 1F ROOF

3. OUTLINE OF 2F ROOF

4. OUTLINE OF EXTERIOR WALL

VICINITY MAP



PROJECT SITE:
2847 SYCAMORE WAY
SANTA CLARA, CA 95051

APPLICABLE CODES

ALL WORK IS TO BE PERFORMED ACCORDING TO THE BUILDING CODES, ORDINANCES AND LAWS OF THE AUTHORITY HAVING JURISDICTION ON THE PROJECT. WHEN THE REQUIREMENTS OF THE BUILDING CODES, ORDINANCES AND LAWS CONFLICT WITH ANY OTHER PART OF THE BUILDING CODES, ORDINANCES AND LAWS, THE MOST RESTRICTIVE REQUIREMENTS SHALL PREVAIL.

- 2019 CALIFORNIA ADMINISTRATIVE CODE, PART 1
- 2019 CALIFORNIA BUILDING CODE, PART 2, BASED ON THE 2018 I.B.C.
- 2019 CALIFORNIA BUILDING CODE, PART 2.5, BASED ON THE 2018 I.R.C.
- 2019 CALIFORNIA ELECTRICAL CODE, PART 2.5, BASED ON THE 2018 N.E.C.
- 2019 CALIFORNIA MECHANICAL CODE, PART 4, BASED ON THE 2018 U.M.C.
- 2019 CALIFORNIA PLUMBING CODE, PART 5, BASED ON THE 2018 U.P.C.
- 2019 CALIFORNIA ENERGY CODE, PART 6 (2016 BUILDING ENERGY EFFICIENCY STANDARDS)
- 2019 CALIFORNIA FIRE CODE, PART 9, BASED ON THE 2018 I.F.C. CODE
- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11 (CALGREEN)
- THE CITY MUNICIPAL CODE AND ORDINANCES

GENERAL NOTES

- NOTIFY ARCHITECT PROMPTLY IF CONSTRUCTION DOCUMENTS ARE INCONSISTENT WITH THE CURRENT APPLICABLE CODES AND REGULATIONS.
- NOTIFY ARCHITECT PROMPTLY IF INFORMATION SHOWN IN ONE CONSTRUCTION DOCUMENT CONFLICTS WITH INFORMATION SHOWN ON ANOTHER.
- NOTIFY ARCHITECT PROMPTLY IF ANY EXISTING CONDITIONS CONFLICT WITH THE CONSTRUCTION DOCUMENTS.
- VERIFY EXISTING CONDITIONS AND DIMENSIONS. COORDINATE THE EXTENT OF DEMOLITION WORK AND EXISTING WORK TO REMAIN WITH NEW PLAN AND PROJECT SITE PRIOR TO PRICING, FABRICATION AND INSTALLATION. NOTIFY ARCHITECT OF ALL CONFLICTS IMMEDIATELY.
- ALL DIMENSIONS IN CONSTRUCTION DOCUMENTS ARE TO FACE OF FINISH U.N.O.
- PROVIDE A SAFE MEANS OF EGRESS THROUGH AND/OR AROUND THE BUILDING AND SITE PER APPLICABLE CODES AT ALL TIMES DURING THE CONSTRUCTION PROCESS. MINIMIZE DISRUPTION TO ADJACENT AREAS AS MUCH AS POSSIBLE.
- PROVIDE FIRE EXTINGUISHERS PER CODE AT ALL TIMES THROUGHOUT CONSTRUCTION AREA.
- REPAIR/PATCH OPENINGS IN WALLS, PARTITIONS, FLOORS AND CEILINGS THAT ARE EXISTING OR WHERE DEMOLITION OCCURS TO MATCH EXISTING ADJACENT FINISH SURFACE.
- ALL EQUIPMENT SHALL BE LISTED, LABELED OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY.
- MINIMIZE NOISE TO A LEVEL ACCEPTABLE TO THE OWNER. SCHEDULE TASKS CREATING EXCESSIVE NOISE OR NEAR SENSITIVE AREAS WITH THE OWNER.
- PROVIDE DUST CONTROL BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AT ALL TIMES AS SPECIFIED.
- PEDESTRIANS SHALL BE PROTECTED DURING CONSTRUCTION, REMODELING AND DEMOLITION ACTIVITIES. SIGNS SHALL BE PROVIDED TO DIRECT PEDESTRIAN TRAFFIC.
- THE BUILDER MUST PROVIDE THE HOMEOWNER WITH A LUMINAIRE SCHEDULE THAT INCLUDES A LIST OF LAMPS INSTALLED IN THE LUMINAIRES.

PROJECT INFORMATION

PROJECT NAME:
ADDITION TO SINGLE FAMILY RESIDENTIAL

PROJECT DESCRIPTION:
- ADD A BEDROOM, FOYER & FRONT PORCH
- ADDITION TO GARAGE AND CHANGE ACCESS DIRECTION
- INSTALL (N) LIGHT FIXTURES AND RECEPTACLE OUTLETS IN ADDITION AREA
- INSTALL (N) DOORS & WINDOWS

ZONING: R-1

TYPE OF CONSTRUCTION: V-B

USE: SINGLE FAMILY RESIDENTIAL
EXISTING: 3 BEDROOMS AND 4 BATHROOMS
PROPOSED: 4 BEDROOMS AND 4 BATHROOMS

PROJECT ADDRESS: 2847 SYCAMORE WAY SANTA CLARA, CA 95051

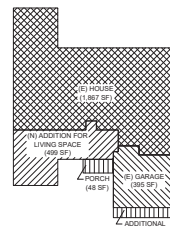
ASSESSOR'S PARCEL NUMBER: 293-22-062

NUMBER OF STORY: 2 STORY

LOT SIZE: 7,405 S.F.

CONDITIONED FLOOR AREA: 2,278 S.F.(EXISTING) + 499 S.F.(NEW) = TOTAL 2,777 S.F.
GAR: 2,777 / 7,405 x100 = 37.50%

LOT COVERAGE:
EXISTING: 1,867 / 7,405 = 25.21%
PROPOSED: 1,867 + 499(NEW ADDITION) + 48(NEW PORCH) + 465(NEW GARAGE) = 2,879 / 7,405 = 38.88%(<40%)



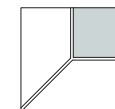
KEY MAP FOR LOT COVERAGE

NUMBER OF BEDROOM: 4
NUMBER OF BATHROOM: 3
NUMBER OF PARKING STALLS: (2) EXISTING COVERED PARKING (TWO-CAR GARAGE)

AUTOMATIC FIRE SPRINKLER SYSTEM: NOT PROVIDED

SHEET INDEX

- PROJECT INFO & SITE PLAN
- EXISTING / DEMO PLAN
- PROPOSED FLOOR PLAN
- EXTERIOR ELEVATIONS & DETAILS
- ROOF PLAN & SECTION DETAILS
- ELECTRICAL PLAN
- TITLE 24 ENERGY COMPLIANCE FORM 1
- TITLE 24 ENERGY COMPLIANCE FORM 2
- GENERAL NOTES
- HOLDOWN DETAILS
- MISC. CONC. DETAILS
- SWIS + DETAILS
- CONVENTIONAL FRAMING DETAILS
- FOUNDATION PLANS AND DETAILS
- 1ST FLR. SHEAR WALL PLANS AND DETAILS
- DETAILS
- ROOF PLANS AND DETAILS



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ADDITION TO SINGLE FAMILY RESIDENTIAL
AT 2847 SYCAMORE WAY, SANTA CLARA, CA 95051

APN #: 293-22-062

DESIGNED BY:
SANGWOOK LEE

18/12/20

NO	DESCRIPTION	DATE
1	REVISIONS FOR PLUMBING, MECHANICAL, ELECTRICAL, AND OTHER COMMENTS	5/10/2020

REVISION HISTORY: THIS SHEET

PROJECT NO: 2020-030

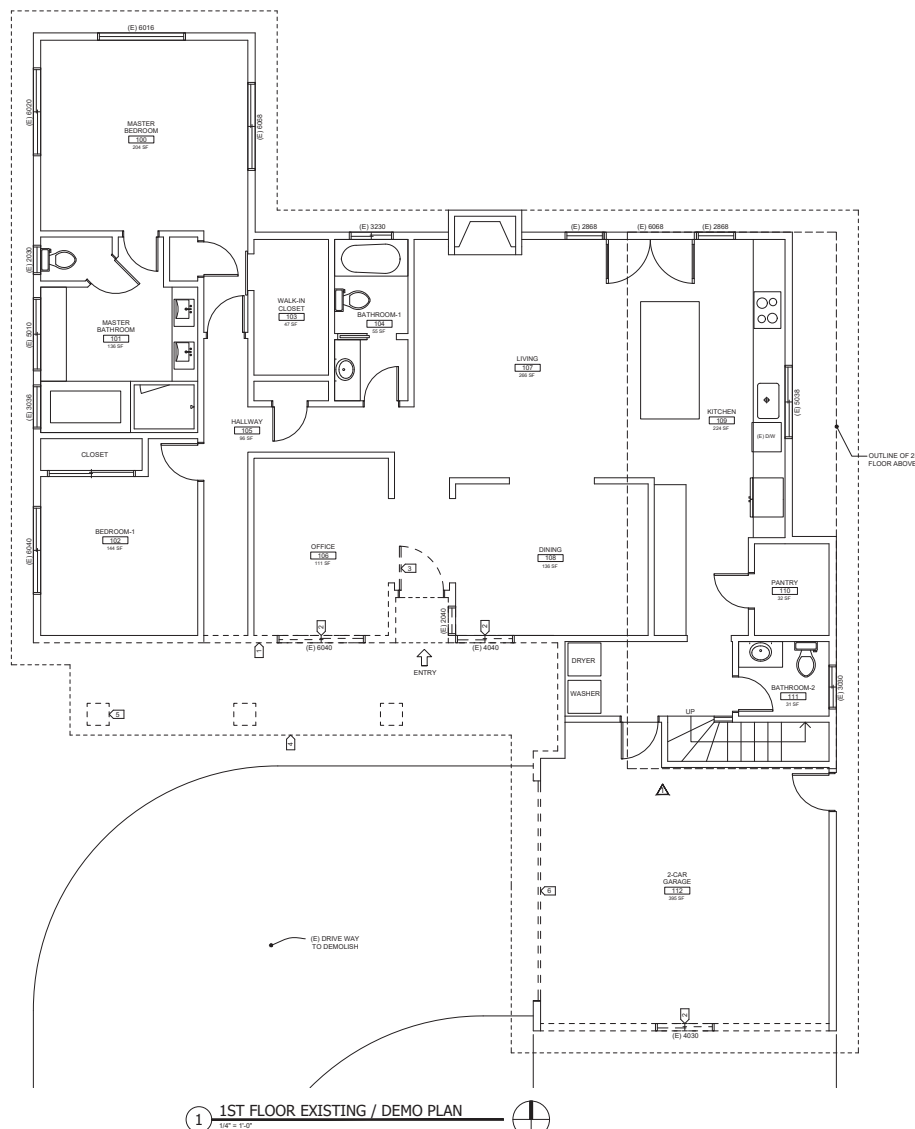
SHEET TITLE
EXISTING /
DEMO PLAN

DATE: MAY 05, 2020

CONSTRUCTION DOCUMENTS

SHEET NO.

A2.0



1 1ST FLOOR EXISTING / DEMO PLAN
1/4" = 1'-0"

DEMOLITION PLAN KEYNOTES

1. (E) WALL TO DEMOLISH
2. (E) WINDOW TO DEMOLISH
3. (E) DOOR TO DEMOLISH
4. OUTLINE OF (E) ROOF ABOVE
5. (E) COLUMN TO DEMOLISH
6. (E) GARAGE DOOR TO DEMOLISH

PLAN SYMBOL DESIGNATIONS

---	EXISTING WALL TO REMAIN
---	WALL TO DEMOLISH

2 (E) 2ND FLOOR PLAN (NO CHANGE)
1/4" = 1'-0"

DEMOLITION PLAN GENERAL NOTES

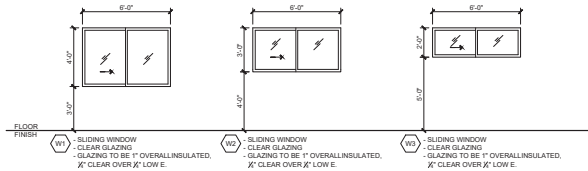
- VERIFY EXISTING CONDITIONS AND DIMENSIONS. COORDINATE THE EXTENT OF DEMOLITION WORK AND EXISTING WORK TO REMAIN WITH NEW FLOOR PLAN AND PROJECT SITE PRIOR TO PRICING, FABRICATION, AND INSTALLATION. NOTIFY ARCHITECT OF ALL CONFLICTS IMMEDIATELY.
- WHERE WALLS OR PARTITIONS ARE INDICATED TO BE REMOVED, REMOVE EXISTING WALL OR PARTITIONS AS WELL AS DUCTS, PIPING, CONDUITS AND OTHER ELEMENTS IN OR ON THEM WHICH MAY OR MAY NOT BE SPECIFICALLY IDENTIFIED, UNLESS OTHERWISE NOTED. COORDINATE WITH OWNER ALL EQUIPMENT TO BE SALVAGED.
- REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION NOTES.
- REPAIR/REPLACE OPENINGS IN WALLS, PARTITIONS, FLOORS AND CEILINGS THAT ARE EXISTING OR WHERE DEMOLITION OCCURS TO MATCH EXISTING ADJACENT FINISH SURFACE. MAINTAIN CODE AND FIRE RATING REQUIREMENTS.
- EXISTING FINISHES TO BE REMOVED SHALL HAVE THE ORIGINAL SUBSTRATE PREPARED TO RECEIVE NEW FINISHES.
- PROVIDE SAFE MEANS OF EGRESS THROUGH AND AROUND THE BUILDING AND/OR SITE AT ALL TIMES.
- PROVIDE DUST CONTROL BETWEEN CONSTRUCTION AREAS AND OCCUPIED AREAS AT ALL TIMES.
- ALL SHUTTINGS OF MECHANICAL, SPRINKLER, FIRE ALARM AND/OR ELECTRICAL SYSTEMS SHALL BE COORDINATED WITH OWNER.
- PROVIDE FIRE EXTINGUISHERS PER CODE AT ALL TIMES THROUGHOUT CONSTRUCTION AREA.
- REMOVE ALL PEELING OR BUBBLED PAINT AND PREP (E) FINISH AS REQUIRED FOR SMOOTH TRANSITION WITH NEW FINISHES.
- DASHED LINES INDICATE (E) CONSTRUCTION TO BE REMOVED, TYP. U.N.O.

DOOR SCHEDULE

REV.	NO.	DESCRIPTION	SIZE	TYPE	OPENING	FRAME	FINISH	HARDWARE	NOTES
1	01	ENTRY	6'-0"	SW	PT-1	PT-1	PT-1	PT-1	W/BOTH SIDE LITE
2	02	BEDROOM 2	6'-0"	SW	PT-1	PT-1	PT-1	PT-1	
3	03	WALK-IN CLOSET	6'-0"	SW	PT-1	PT-1	PT-1	PT-1	

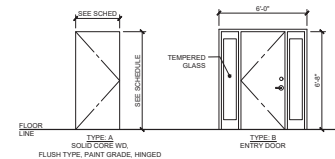
NOTES:
1. SEE DETAIL 3- FOR DOOR TYPES

A DOOR SCHEDULE



B INTERIOR WINDOW TYPES

1/4" = 1'-0"



C DOOR FRAME TYPES

1/4" = 1'-0"

EGRESS WINDOWS REQUIREMENTS

- A NET CLEAR OPENING IS TO BE PROVIDED FROM NORMAL OPERATION OF THE OPENING. THE OPENING IS TO BE OPERATIONAL FROM INSIDE WITHOUT USE OF KEYS OR TOOLS. GRILLES, GRATES OR SIMILAR SECURITY DEVICES ARE PERMITTED UNDER SPECIFIC CONDITIONS. A COMPLYING WINDOW WELL IS REQUIRED FOR THE BELOW GRADE OPENING.
- MINIMUM WIDTH OF OPENING: 20 INCHES
- MINIMUM HEIGHT OF OPENING: 24 INCHES
- MINIMUM NET CLEAR OPENING: GROUND FLOOR: 5.7 SQUARE FEET. THE SILL MUST BE MORE THAN 44 INCHES ABOVE THE OUTSIDE GRADE TO USE THE SMALLER (5 SQUARE FEET) WINDOW.
- MINIMUM NET CLEAR OPENING: OTHER THAN GROUND FLOOR: 5.7 SQUARE FEET
- MAXIMUM HEIGHT TO BOTTOM OF CLEAR OPENING: 44 INCHES

2 DOOR & WINDOW SCHEDULE

1/4" = 1'-0"

HARDWARE GROUP

GROUP 01

- 3 EA BUTT HINGES
- 1 EA LOCKSET: ENTRY
- Function: Latchbolt is retracted by lever on either side unless inside push button (cyl) or turn lever (mort) looks outside lever.
- 1 EA CLOSER
- 1 EA THRESHOLD
- 1 EA STOP

GROUP 02

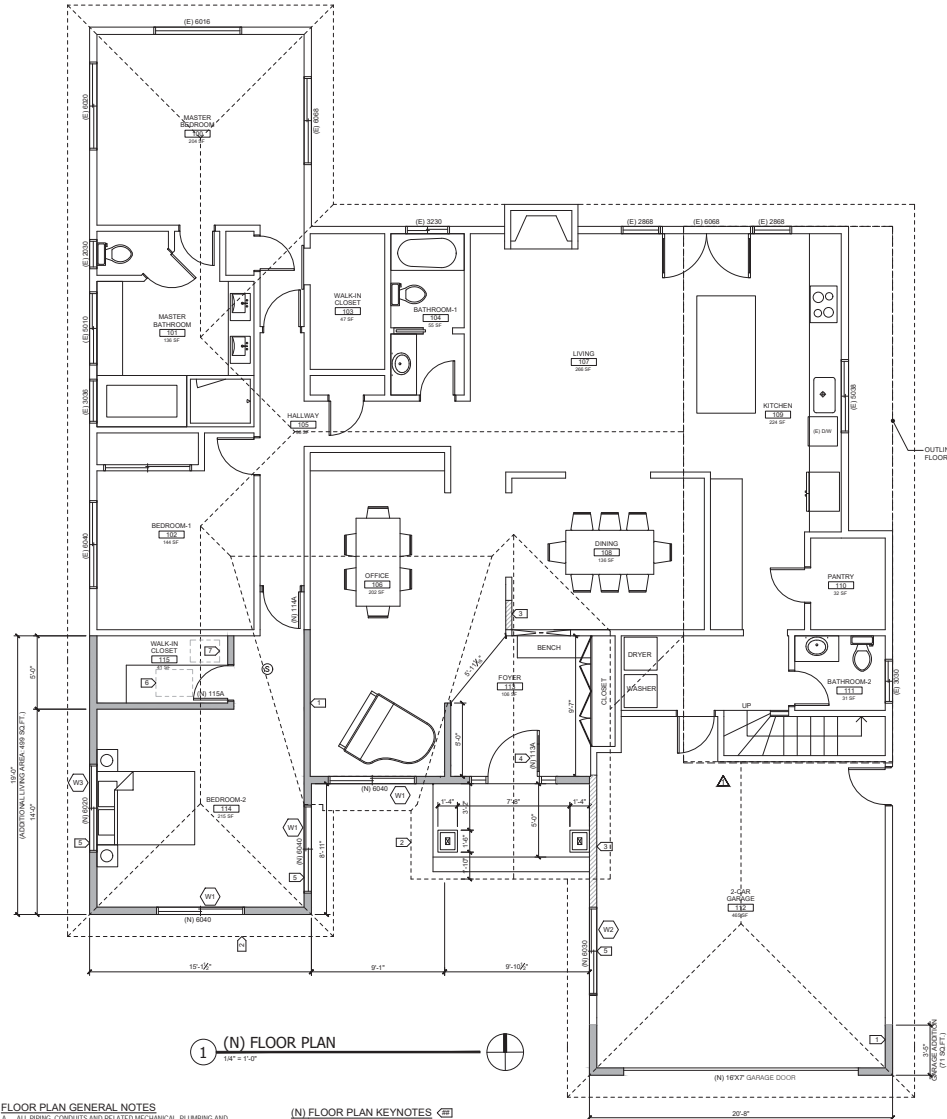
- 3 EA BUTT HINGES
- 1 EA DOOR LOCK SET: BED/BATH ROOM

GROUP 03

- 1 EA POCKET DOOR RAIL
- 1 EA POCKET DOOR HARDWARE SET

3 DOOR HARDWARE

1/4" = 1'-0"



1 (N) FLOOR PLAN

1/4" = 1'-0"

FLOOR PLAN GENERAL NOTES

- ALL PIPING, CONDUITS AND RELATED MECHANICAL PLUMBING AND ELECTRICAL ITEMS SHALL BE CONCEALED WITHIN DRYWALL FINISHING AS REQUIRED IN FINISHED AREAS UNLESS SHOWN ON DRAWINGS OR NOTED.
- ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS NOTED.
- ALL DOORS ADJACENT TO WALLS SHALL BE TYPICALLY LOCATED 2" FROM WALL TO DOOR HINGE.
- LOCAL EXHAUST SYSTEMS VENTED TO THE OUTDOORS FOR THE KITCHEN (CAN USE RANGE HOOD, DOWN DRAFT EXHAUSTS, CEILING FAN, WALL FAN) BUT WHATEVER USED MUST EXHAUST DIRECTLY TO THE OUTDOORS.
- PROVIDE MIN. 100 CFM INTERMITTENT ARIEL FOR KITCHEN RANGE HOOD/COMBINATION HOOD COMBINATION OR SHOW AN EXHAUST FAN IN THE KITCHEN CAPABLE OF PROVIDING AT LEAST 1 AIR CHANGE PER HOUR.
- WHERE COMBUSTION APPLIANCES OR SOLID FUEL BURNING APPLIANCES ARE LOCATED INSIDE THE PRESSURE BOUNDARY, THE MAXIMUM ALLOWABLE NET EXHAUST FLOW OF THE TWO LARGEST EXHAUST FANS SHALL NOT EXCEED 15 CFM PER 100 SQ. FT. OF OCCUPABLE SPACE, WHEN OPERATING AT FULL CAPACITY. IF THE DESIGNED TOTAL NET FLOW EXCEEDS THIS LIMIT, THE NET EXHAUST FLOW MUST BE REDUCED BY REDUCING THE EXHAUST FLOW OR PROVIDING COMPENSATING OUT DOOR AIR FLOW/NOTES: IF MAKE UP AIR FAN IS INSTALLED IT MUST BE ELECTRICALLY INTERLOCKED WITH THE LARGEST EXHAUST FAN.

(N) FLOOR PLAN KEYNOTES

1. (N) FULL HEIGHT TWO STUD WALL
2. OUTLINE OF ROOF ABOVE
3. FILL IN (N) OPENING W/ 3/4" X 1/2" STUD 1/4" O.C.
4. (N) DOORS, SEE DOOR SCHEDULE ON 201
5. (N) WINDOWS, SEE WINDOW SCHEDULE ON 201
6. (N) ACCESS OPENING FOR ATTIC, NOT LESS THAN 30"x30"
7. (N) ACCESS FOR CRAWL SPACE, MIN. 2'X18"

PLAN SYMBOL DESIGNATIONS

EXISTING WALL TO REMAIN	
FILL IN (N) OPENING PER PLAN	
NEW STUD WALL - FULL HEIGHT	

FLOOR PLAN LEGEND

- 1. SMOKE DETECTOR, SEE NOTE
- 2. CARBON MONOXIDE ALARM, SEE NOTE
- 3. EXISTING TO REMAIN
- 4. NEW

SMOKE & CARBON MONOXIDE ALARM NOTES

SMOKE AND CARBON MONOXIDE ALARMS ARE TO BE HARD-WIRED, HAVE BATTERY BACKUPS, AND BE INTERCONNECTED. THE ALARMS ARE REQUIRED TO BE INSTALLED IN THE FOLLOWING LOCATIONS:
- SMOKE ALARMS IN ALL SLEEPING ROOMS
- CO ALARMS IN ALL SLEEPING ROOMS WITHIN DWELLING UNITS WHERE FUEL-BURNING APPLIANCES ARE INSTALLED
- SMOKE ALARM AND CO ALARM IN AREA PRECEDING SLEEPING ROOMS (SUCH AS A HALLWAY)
- SMOKE ALARM AND CO ALARM ON EACH STORY LEVEL OF THE DWELLING INCLUDING BASEMENTS AND HABITABLE ATTIC ROOMS

DESIGNED BY:
SANGWOOK LEE

PROJECT NO.: 2020-030

NO.	DESCRIPTION	DATE
1	REVISIONS OR PLANS, REPT. COMMENTS	5/10/2020
2		
3		
4		

REVISION HISTORY: THIS SHEET

PROJECT NO.: 2020-030

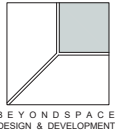
SHEET TITLE (N) FLOOR PLAN , DOOR TYPE & SCHEDULE

DATE: MAY 05, 2020

CONSTRUCTION DOCUMENTS

SHEET NO.

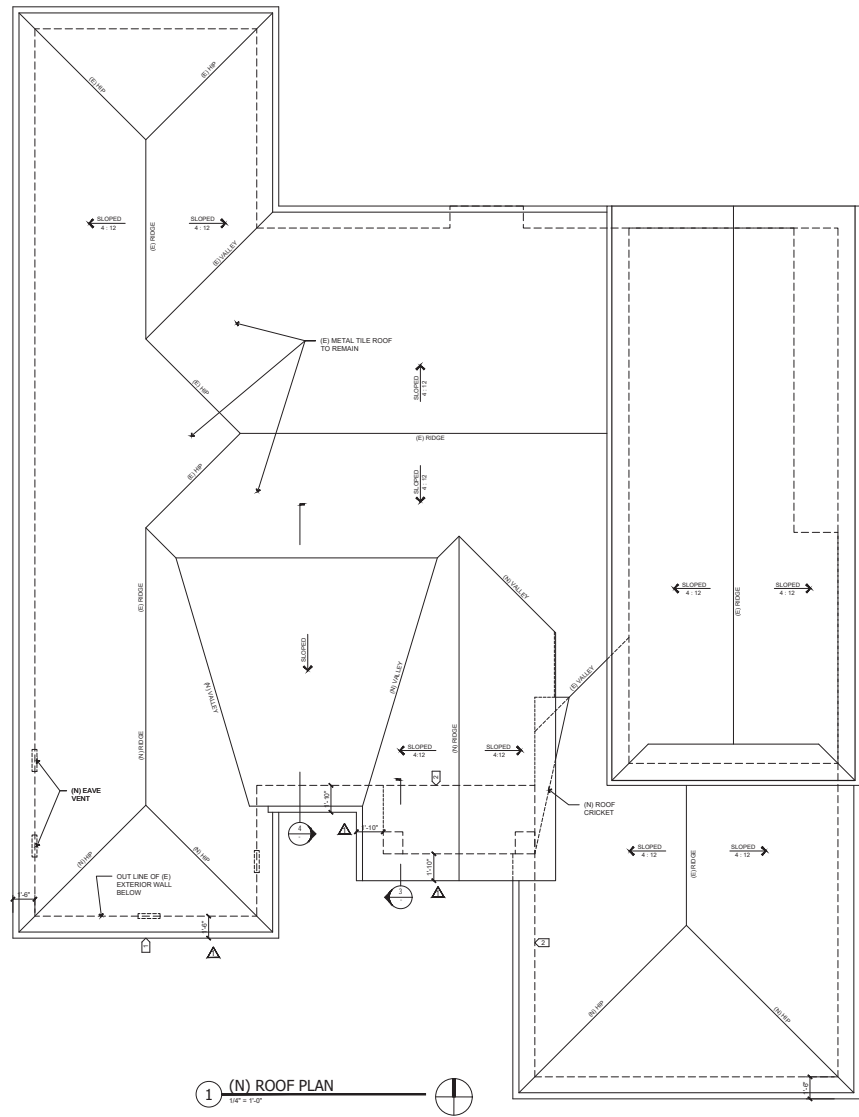
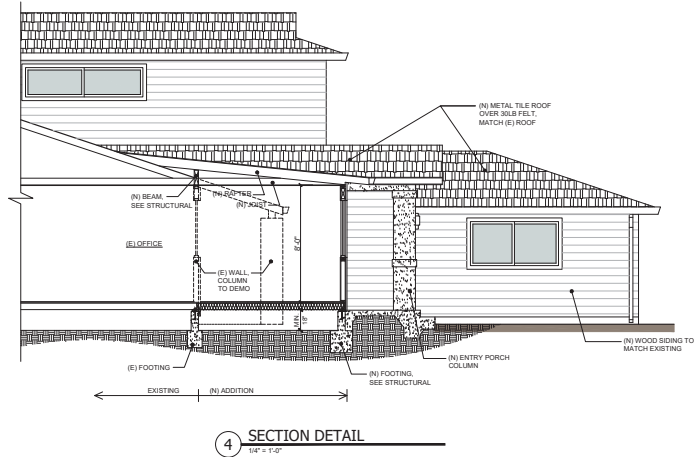
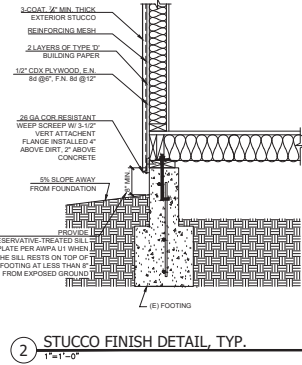
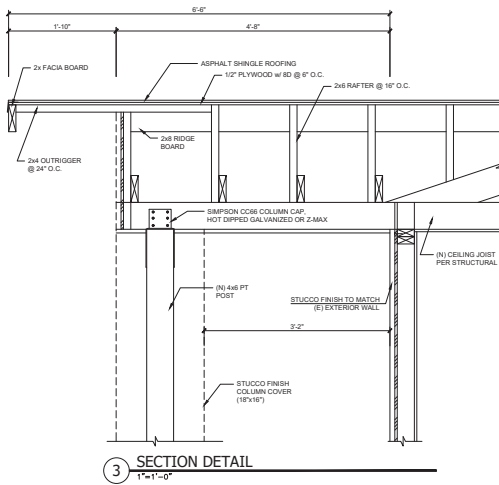
A2.1



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ADDITION TO SINGLE FAMILY RESIDENTIAL
AT 2847 SYCAMORE WAY, SANTA CLARA, CA 95051

APN #: 293-22-062

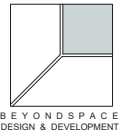


ROOF PLAN GENERAL NOTES

- VERIFY ALL OPENING LOCATIONS AND SIZES THROUGH ROOF. PROVIDE APPROPRIATE FLASHING AS REQUIRED TO MAKE WEATHERTIGHT.
- IF RADIANT BARRIER SHALL BE SECURELY INSTALLED OVER (N) ROOF IN PERMANENT MANNER WITH THE SHINY SIDE FACING DOWN TOWARD THE INTERIOR OF THE BUILDING CEILING OR ATTIC FLOOR. HOWEVER, RADIANT BARRIER SHALL BE INSTALLED AT THE TOP CHORDS OF THE ROOF TRUSS/RAFTERS PER APPENDIX D OF THE 2016 RESIDENTIAL COMPLIANCE MANUAL.

W/ROOF PLAN KEYNOTES

- OUTLINE OF ROOF
- OUTLINE OF EXTERIOR WALL BELOW



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AT 2847 SYCAMORE WAY, SANTA CLARA, CA 95051

APN # : 283-22-062

DESIGNED BY:
SANGWOOK LEE

8/1/20

NO.	DESCRIPTION	DATE
1	REVISIONS FOR PERM DEPT. COMMENTS	5/21/2028

PROJECT NO.: 2020-030

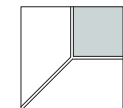
SHEET TITLE
**ROOF PLAN &
SECTION
DETAILS**

DATE: MAY 05, 2020

CONSTRUCTION DOCUMENTS

SHEET NO.

A5.0



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ADDITION TO SINGLE FAMILY RESIDENTIAL
AT 2847 SYCAMORE WAY, SANTA CLARA, CA 95051

APN #: 293-22-062

ELECTRICAL NOTES

1. PROVIDE A GREEN EQUIPMENT GROUND WIRE IN BRANCH CIRCUIT AND FEEDER CONDUITS.
2. WIRING SHALL BE PROVIDED TO DEVICES SHOWN, UNLESS OTHERWISE INDICATED. MINIMUM WIRING SIZE SHALL BE #12 AWG. AMPACITY, DERATING AND CONDUIT FILL SHALL BE AS REQUIRED BY THE NEC.
3. MULTIPLE GROUPINGS OF DEVICES SHALL BE GANGED UNDER THE SAME COVER PLATE. SEPARATE PLATES ARE UNACCEPTABLE EXCEPT IN CASES OF DIMMER SWITCHES ADJACENT TO OTHER LIGHT SWITCHES. IN THAT CASE, PLATES SHALL BE AS CLOSE TOGETHER AS POSSIBLE, PLUMB TRUE FOR A NEAT AND COMPACT ORGANIZED APPEARANCE.
4. SEE ARCHITECTURAL ELEVATIONS AND DETAILS FOR EXACT LOCATIONS OF ELECTRICAL ITEMS. THESE SHALL TAKE PRECEDENCE OVER ANY INDICATIONS IN ELECTRICAL CONSTRUCTION DOCUMENTS.
5. SWITCHED RECEPTABLES TO BE CONTROLLED BY THE OCCUPANCY SENSOR(S) IN THE SAME ROOM/SPACE. REFER TO THE LIGHTING PLANS FOR OCCUPANCY SENSOR LOCATIONS AND LIGHTING CONTROL SPECIFICATION FOR ADDITIONAL INFORMATION.
6. PROVIDE A DEDICATED NEUTRAL CONDUCTOR FOR EACH 120 VOLT BRANCH CIRCUIT.
7. PROVIDE GFCI PROTECTION AT ALL NEW BATHROOM, OUTDOOR RECEPTABLES SERVING KITCHEN COUNTERTOPS.
8. MIN. TWO 20-AMP APPLIANCE BRANCH CIRCUITS ARE REQUIRED FOR THE KITCHEN, AND ARE LIMITED TO SUPPLYING WALL AND COUNTER SPACE OUTLETS FOR THE KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM, OR SIMILAR AREAS. NOTE: THESE CIRCUITS CANNOT SERVE OUTSIDE PLUGS, RANGE HOOD, DISPOSALS, DISHWASHERS OR MICROWAVES-ONLY THE REQUIRED COUNTERTOP WALL OUTLETS INCLUDING THE REFRIGERATOR.
9. A DEDICATED 20-AMP CIRCUIT IS REQUIRED TO SERVE THE REQUIRED BATHROOM OUTLETS. THIS CIRCUIT CANNOT SUPPLY ANY OTHER RECEPTABLES, LIGHTS, FANS, ETC. (EXCEPTION-WHERE THE CIRCUIT SUPPLIES A SINGLE BATHROOM, OUTLETS FOR OTHER EQUIPMENT WITHIN THE SAME BATHROOM SHALL BE PERMITTED TO BE SUPPLIED.) IN NO CASE SHALL THE RECEPTACLE BE LOCATED MORE THAN 12 INCHES BELOW THE TOP OF THE BASIN.
10. ALL BRANCH CIRCUITS THAT SUPPLY OUTLETS INSTALLED IN DWELLING AREAS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER.
11. PROVIDE ADDITIONAL RECEPTACLE OUTLETS AT EACH KITCHEN, PANTRY, BREAKFAST ROOM, DINING ROOM COUNTER SPACE WIDER THAN 10-INCHES. LOCATED SO THAT NO POINT ALONG THE COUNTER WALL IS OVER 24" FROM A RECEPTACLE, AND AN EXTERIOR RECEPTACLE AT THE FRONT AND REAR OF THE HOME; ANY ADDED RECEPTABLES MUST BE WITHIN 6'-0" OF GRADE, GFCI, AND WATERPROOF.
12. ALL 15-AMP AND 20-AMP DWELLING UNIT RECEPTACLE OUTLETS SHALL BE LISTED TAMPER-RESISTANT RECEPTABLES.
13. ANY SCREW-BASED PERMANENTLY INSTALLED LIGHT FIXTURES MUST CONTAIN SCREW-BASED JAB LIGHT APPENDIX (B) COMPLIANT LAMPS. JAB COMPLIANT LIGHT SOURCES MUST BE MARKED AS "JAB-2016" OR "JAB-2016-E" ("JAB-2016-E" LUMINAIRES ARE DEEMED APPROPRIATE FOR USE IN ENCLOSED LUMINAIRES).
14. AT LEAST ONE FIXTURE IN EACH BATHROOM WHERE NEW LIGHTING IS PROPOSED IS CONTROLLED BY A VACANCY SENSOR.
15. ALL NEW OUTDOOR LIGHTING AS HIGH EFFICACY WITH MANUAL ON/OFF SWITCH AND PHOTO CONTROL AND MOTION SENSOR.
16. LOCAL EXHAUST SYSTEMS VENTED TO THE OUTDOORS FOR THE KITCHEN (CAN USE RANGE HOOD, DOWN-DRAFT EXHAUSTS, CEILING FANS, WALL FANS-BUT WHATEVER USED MUST EXHAUST DIRECTLY TO THE OUTDOORS).
17. PROVIDE MIN. 100 CFM INTERMITTENT AIRFLOW FOR KITCHEN RANGE HOOD/MICROWAVE HOOD COMBINATION OR SHOW AN EXHAUST FAN IN THE KITCHEN CAPABLE OF PROVIDING AT LEAST 3 AIR CHANGES PER HOUR.
18. WHERE COMBUSTION APPLIANCES OR SOLID-FUEL BURNING APPLIANCES ARE LOCATED INSIDE THE PRESSURE BOUNDARY, THE MAXIMUM ALLOWABLE NET EXHAUST FLOW OF THE TWO LARGEST EXHAUST FANS SHALL NOT EXCEED 15 CFM PER 100 SQ. FT. OF OCCUPABLE SPACE, WHEN OPERATING AT FULL CAPACITY. IF THE DESIGNED TOTAL NET FLOW EXCEEDS THIS LIMIT, THE NET EXHAUST FLOW MUST BE REDUCED BY REDUCING THE EXHAUST FLOW OR PROVIDING COMPENSATING OUT-DOOR AIRFLOW. NOTE: IF MAKE-UP AIR FAN IS INSTALLED IT MUST BE ELECTRICALLY INTERLOCKED WITH THE LARGEST EXHAUST FAN).
19. THE LOCAL EXHAUST SYSTEMS VENTED TO THE OUTDOORS FOR THE BATHROOMS.
20. PROVIDE MIN. 50 CFM INTERMITTENT AIRFLOW FOR THE BATHROOM EXHAUST FANS OR PROVIDE MIN. 20 CFM FOR THE CONTINUOUSLY OPERATING BATHROOM EXHAUST FAN.
21. EXHAUST FANS (EXCLUDES KITCHEN EXHAUST HOOD) SWITCHED SEPARATE FROM LITING/OTHER UTILITY A DEVICE WHERE LIGHTING CAN BE TURNED OFF WHILE THE FAN IS RUNNING).
22. COMPLETED CFSR-LTS-91-E FORM MUST BE PROVIDED TO THE CITY BUILDING INSPECTOR, PRIOR TO FINAL INSPECTION.
23. ALL THE EXTERIOR RECEPTACLE OUTLETS TO BE WEATHERPROOFED AND GROUND-FAULT CIRCUIT INTERRUPTER (GFCI).
24. ARC-FAULT CIRCUIT INTERRUPTER (AFCI) PROTECTED RECEPTABLES SHALL BE INSTALLED IN KITCHENS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, BEDROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS.

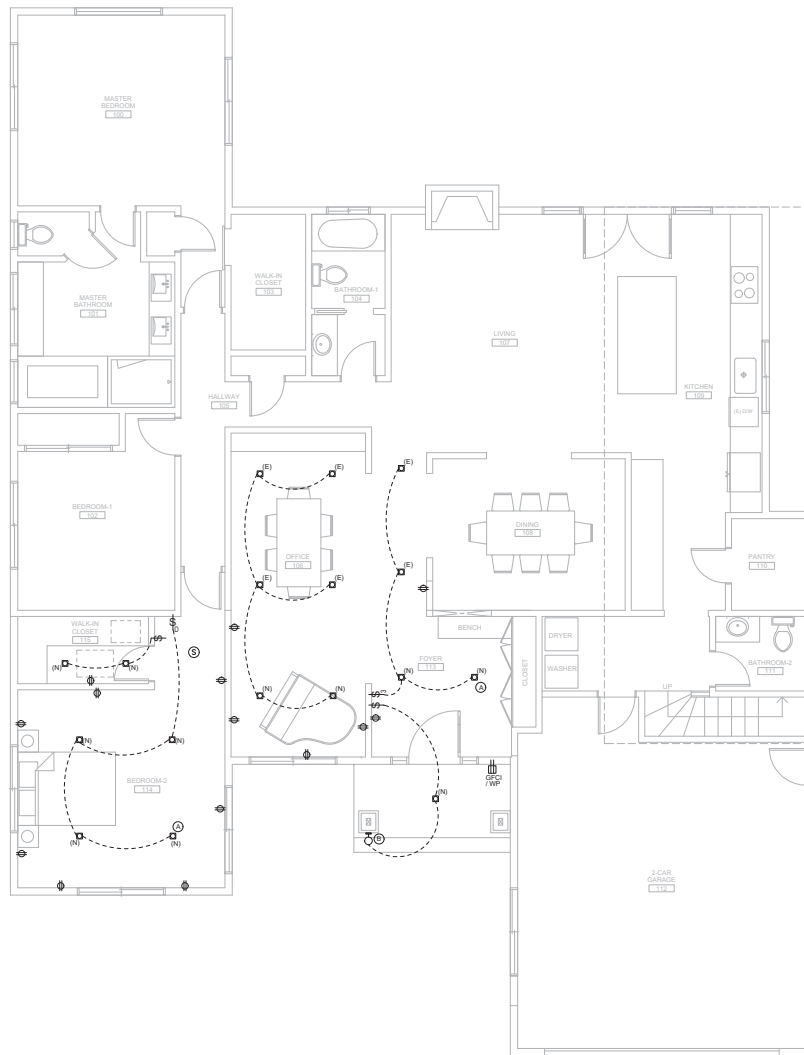
ELECTRICAL SYMBOL LEGEND

	RECESSED LED FIXTURE
	LED STRIP LIGHT
	LED PENDANT LIGHTING
	FLUSH MOUNT LIGHT FIXTURE
	WALL-MOUNTED FIXTURE w/ PHOTO EYE
	LED SCONCE
	EXHAUST FAN w/ LIGHT
	SWITCH
	SWITCH 3 WAY
	SWITCH w/ OCCUPANCY SENSOR
	SWITCH w/ DIMMER
	OUTLET DUPLEX
	220V OUTLET
	GFCI OUTLET DUPLEX w/ WEATHER PROOF
	SMOKE DETECTOR
	CARBON MONOXIDE DETECTOR
	EXISTING TO REMAIN
	RELOCATED

INTERIOR LIGHTING FIXTURE SCHEDULE

FIXTURE		DESCRIPTION	MANUFACTURER'S CATALOG NO.	LAMPS	VOLT	MOUNTING
TYPE	SYMBOL					
A		4" RECESSED CAN LIGHT FIXTURE w/ DIMMING BALLAST, 300K	HLB40WFS1EMWR	LED	120	RECESSED
B		EXTERIOR WALL SCONCE	ALLEN + ROTH WALDORE 11.25-IN W BRONZE LED OUTDOOR WALL LIGHT OR APPROVED EQUAL	LED	120	WALL MOUNT, PHOTO CONTROL

NOTE: CONTRACTOR TO VERIFY LIGHTING FIXTURE SPECIFICATIONS WITH OWNER



1 ELECTRICAL PLAN

1/8" = 1'-0"

DESIGNED BY:
SANGWOOK LEE

Sangwook Lee

Δ NO	DESCRIPTION	DATE
REVISION HISTORY: THIS SHEET		

PROJECT NO: 2020-030

SHEET TITLE
**ELECTRICAL
PLAN**

DATE: MAY 05, 2020

CONSTRUCTION DOCUMENTS

SHEET NO.

E1.0

CERTIFICATE OF COMPLIANCE									
Project Name: 2847 Sycamore addition									
Calculation Date/Time: 2020-05-03T18:14:29-07:00									
Input File Name: 2847_sycamore_addition_v2.rbat.9									
OPTICAL SURFACE CONSTRUCTIONS									
01	02	03	04	05	06	07	08	09	10
Construction Name	Surface Type	Construction Type	Insulating	Total Cavity R-value	Interior / Exterior Condition	U-Factor	Assembly Layers		
Wall int new	Interior Walls	Wood Framed Wall	2x4 @ 16 in. O. C.	R-13	None / None	0.092	Inside Finish: Gypsum Board Cavity / Frame: R-13 / 2x4 Other Side Finish: Gypsum Board		
Roof ex	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 16 in. O. C.	R-0	None / None	0.049	Roofing: Light Roof (Asphalt Shingles) Truss/Sheathing/Insulating Cavity / Frame: R-0 / 2x4 Top Chord		
Roof new	Attic Roofs	Wood Framed Ceiling	2x4 Top Chord of Roof Truss @ 16 in. O. C.	R-0	None / None	0.049	Roofing: Light Roof (Asphalt Shingles) Roof Deck: Wood Sheathing/Insulating/Decking Cavity / Frame: R-0 / 2x4 Top Chord		
Floor crawl ex	Floor Over Crawlspace	Wood Framed Floor	2x4 @ 16 in. O. C.	R-13	None / None	0.022	Floor Surface: Carpeted Floor Deck: Wood Sheathing/Insulating/Decking Cavity / Frame: R-13 / 2x4		
Floor crawl new	Floor Over Crawlspace	Wood Framed Floor	2x4 @ 16 in. O. C.	R-13	None / None	0.020	Floor Surface: Carpeted Floor Deck: Wood Sheathing/Insulating/Decking Cavity / Frame: R-13 / 2x4		
Ceiling attic ex	Ceiling (Below attic)	Wood Framed Ceiling	2x4 @ 16 in. O. C.	R-0	None / None	0.041	Ceiling / Frame: R-0 / 2x4 Inside Finish: Gypsum Board		
Ceiling attic new	Ceiling (Below attic)	Wood Framed Ceiling	2x4 @ 16 in. O. C.	R-10	None / None	0.032	Over Ceiling: Insulation R-10 Cavity / Frame: R-0 / 2x4 Inside Finish: Gypsum Board		
Ceiling attic Gar	Ceiling (Below attic)	Wood Framed Ceiling	2x4 @ 16 in. O. C.	R-0	None / None	0.041	Ceiling / Frame: R-0 / 2x4 Inside Finish: Gypsum Board		

Registration Number: 02010707000-000-000000-000
CA Building Energy Efficiency Standards - 2019 Rescode of Compliance
Registration Date/Time: 2020-05-04 16:29:24
Report Version: 2019.3.1.008
Scheme Version: rev 20200301
HERS Provider: CalCERTS Inc.
Report Generated: 2020-05-03 18:15:05

CERTIFICATE OF COMPLIANCE									
Project Name: 2847 Sycamore addition									
Calculation Date/Time: 2020-05-03T18:14:29-07:00									
Input File Name: 2847_sycamore_addition_v2.rbat.9									
OPTICAL SURFACE CONSTRUCTIONS									
01	02	03	04	05	06	07	08	09	10
Construction Name	Surface Type	Construction Type	Insulating	Total Cavity R-value	Interior / Exterior Condition	U-Factor	Assembly Layers		
Floor second ex	Exterior Floors	Wood Framed Floor	2x4 @ 16 in. O. C.	R-0	None / None	0.240	Floor Surface: Carpeted Floor Deck: Wood Sheathing/Insulating/Decking Cavity / Frame: R-0 / 2x4		
Floor int R02	Interior Floors	Wood Framed Floor	2x4 @ 16 in. O. C.	R-0	None / None	0.239	Floor Surface: Carpeted Floor Deck: Wood Sheathing/Insulating/Decking Cavity / Frame: R-0 / 2x4 Coping Below Floor: Gypsum Board		
Floor int ex	Interior Floors	Wood Framed Floor	2x4 @ 16 in. O. C.	R-0	None / None	0.239	Floor Surface: Carpeted Floor Deck: Wood Sheathing/Insulating/Decking Cavity / Frame: R-0 / 2x4 Coping Below Floor: Gypsum Board		

BUILDING ENVELOPE - HERB VERIFICATION			
01	02	03	04
Quality Insulation Installation (QI)	Quality Installation of Spray Foam Insulation	Building Envelope Air Leakage	CHSR0
Not Required	Not Required	Not Required	N/A

Registration Number: 02010707000-000-000000-000
CA Building Energy Efficiency Standards - 2019 Rescode of Compliance
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CERTIFICATE OF COMPLIANCE									
Project Name: 2847 Sycamore addition									
Calculation Date/Time: 2020-05-03T18:14:29-07:00									
Input File Name: 2847_sycamore_addition_v2.rbat.9									
WATER HEATING SYSTEMS									
01	02	03	04	05	06	07	08	09	10
Name	System Type	Distribution Type	Water Heater Name (01)	Solar Heating System	Compact Distribution	HERS Verification	Status	Verified Existing Condition	Existing Water Heating System
CHSR ex	Domestic Hot Water (DHW)	Standard Distribution System	Ex Gas Storage (1)	N/A	None	N/A	Existing	No	

WATER HEATERS - HERB VERIFICATION													
01	02	03	04	05	06	07	08	09	10	11	12	13	14
Name	Heating Element Type	Tank Type	Size (Gallons)	Energy Factor (EF)	Input Rating (kW)	Tank Insulation R-value (R-Value)	Sanitary Loop or Recovery (Yes/No)	Let Hot Water or Flow Rate (GPM)	NEEA Heat Pump Model or Manual	NEEA Heat Pump Model or Manual	NEEA Heat Pump Model or Manual	Status	Verified Existing Condition
Ex Gas Storage	Gas	Small Storage	1	0.69	0.00	N/A	No	N/A	N/A	N/A	N/A	Existing	No

WATER HEATING - HERB VERIFICATION									
01	02	03	04	05	06	07	08	09	10
Name	Pipe Insulation	Propped Piping	Compact Distribution	Compact Distribution	Recirculation Control	Recirculation Control	Central Distribution	Shower Drain Water Heat Recovery	Shower Drain Water Heat Recovery
CHSR ex - 121	Not Required	Not Required	Not Required	None	Not Required	Not Required	Not Required	Not Required	Not Required

SPACE CONDITIONING SYSTEMS									
01	02	03	04	05	06	07	08	09	10
Name	System Type	Heating Unit Name	Cooling Unit Name	Fan Name	Description Name	Required Thermostat Type	Status	Verified Existing Condition	Cooling Equipment Count
CHSR ex	Heating and cooling system - other	Ex Furnace	Ex Cooling	Fan ex	Ducts ex	N/A	Existing	No	1

Registration Number: 02010707000-000-000000-000
CA Building Energy Efficiency Standards - 2019 Rescode of Compliance
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CERTIFICATE OF COMPLIANCE

Project Name: 2847 Sycamore addition

Calculation Date/Time: 2020-05-03T18:14:29-07:00

Input File Name: 2847_sycamore_addition_v2.rbat.9

CHSR (p. 11)

OPTICAL SURFACE CONSTRUCTIONS

01	02	03	04	05	06	07	08	09	10	
Name	Zone	Construction	Automatically	Green Area (ft²)	Window and Door Area (ft²)	TIR (deg)	Wall Exceptions	Status	Verified Existing Condition	
Interior Floor ex - mrg Garage	House 2nd Floor	Floor int ex	N/A	N/A	10	N/A	None	Existing	No	
Interior Floor ex - mrg House 1st Floor	House 1st Floor	Floor int ex	N/A	N/A	445	N/A	None	Existing	No	
CHSR ex 1	Garage	Wall Gar	180	Front	180	110	30	none	Existing	No
CHSR ex 1	Garage	Wall Gar	180	Front	180	110	30	none	Existing	No
CHSR ex 2	Garage	Wall Gar	180	Front	180	110	30	none	Existing	No
CHSR ex 3	Garage	Wall Gar	180	Front	180	110	30	none	Existing	No
CHSR ex 4	Garage	Wall Gar	180	Front	180	110	30	none	Existing	No

ETC

01	02	03	04	05	06	07	08	09	10	
Name	Zone	Construction	Automatically	Green Area (ft²)	Window and Door Area (ft²)	TIR (deg)	Wall Exceptions	Status	Verified Existing Condition	
Attic ex	Roof ex	Roof ex	Unverified	0.1	0.1	0.05	1	None	Existing	No
Attic ex	Roof ex	Roof ex	Unverified	0	0	0.05	1	None	Existing	No

PERIMETER / GLAZING

01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16
Name	Type	Surface	Orientation	Automatically	Width (in)	Height (in)	Area (sq ft)	U Factor	U Factor Source	SHGC	SHGC Source	Extending	Status	Verified Existing Condition	
Wind ex 1	Window	Wall ex 1	wn	270			1	1.24	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 2	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 3	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 4	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 5	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 6	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 7	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 8	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 9	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 10	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 11	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 12	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 13	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 14	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 15	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 16	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 17	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 18	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 19	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 20	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 21	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 22	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 23	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 24	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 25	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 26	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 27	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 28	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 29	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 30	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 31	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 32	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 33	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 34	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 35	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 36	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 37	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 38	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 39	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 40	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 41	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 42	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 43	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 44	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 45	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 46	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 47	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 48	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 49	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 50	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 51	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 52	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 53	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 54	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 55	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 56	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 57	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 58	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 59	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 60	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 61	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 62	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 63	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 64	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 65	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 66	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 67	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 68	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 69	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 70	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 71	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 72	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 73	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 74	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 75	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 76	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 77	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 78	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 79	Window	Wall ex 1	wn	270			1	1.23	1.238	NFRC	0.8	NFRC	Bg System	Existing	No
Wind ex 80	Window	Wall ex 1	wn	270			1								

Registration Number: 02010707000-000-000000-000
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HERS Provider: CalCERTS Inc.
Report Generated: 2020-05-03 18:15:05

CERTIFICATE OF COMPLIANCE										CFR 610.61	
Project Name: 2847 Sycamore addition										Calculation Date/Time: 2020-05-03T18:14:29-07:00	
Calculation Description: Title 28 Analysis										Input File Name: 2847_Sycamore_addition_v2.rbat.9	
FENESTRATION / GLAZING											
01	02	03	04	05	06	07	08	09	10	11	12
Name	Type	Surface	Orientation	Automatically	Width (ft)	Height (ft)	Area (ft²)	U-Factor Source	SHGC	Initial Status	Existing Condition
Window ex 1	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 2	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 3	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 4	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 5	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 6	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 7	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 8	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 9	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 10	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 11	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 12	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 13	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 14	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 15	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 16	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 17	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 18	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 19	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 20	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 21	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 22	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 23	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 24	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 25	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 26	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 27	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 28	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 29	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 30	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 31	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 32	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 33	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 34	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 35	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 36	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 37	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 38	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 39	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 40	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 41	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 42	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 43	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 44	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 45	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 46	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 47	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 48	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 49	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 50	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 51	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 52	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 53	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 54	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 55	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 56	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 57	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 58	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 59	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 60	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 61	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 62	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 63	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 64	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 65	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 66	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 67	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 68	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 69	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 70	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 71	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 72	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 73	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 74	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 75	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 76	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 77	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 78	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 79	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 80	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 81	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 82	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 83	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 84	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 85	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 86	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 87	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 88	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 89	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 90	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 91	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 92	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 93	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 94	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 95	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 96	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 97	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 98	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 99	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 100	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 101	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 102	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 103	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 104	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 105	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 106	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 107	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 108	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 109	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 110	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 111	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 112	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 113	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 114	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 115	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 116	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 117	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 118	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 119	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 120	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 121	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 122	Window	Wall ex 1	Left	0	1	1.0	1.00	NFRC 0.8	0.8	NFRC Bag Screen	Existing
Window ex 123	Window	Wall ex 1	Left	0	1	1.0	1.00				

