ELECTRICAL GENERAL NOTES:

1. RECEPTACLE OUTLETS SHALL BE INSTALLED IN ACCORDANCE WITH:

   a. WALL COUNTER SPACE OUTLETS SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL LINE IS MORE THAN 24" FROM A RECEPTACLE OUTLET.
   b. COUNTER OUTLETS SHALL BE LOCATED ABOVE, BUT NOT MORE THAN 20" ABOVE THE COUNTERTOP.

2. NEW RECEPTACLES, CORD CONNECTORS, AND ATTACHMENT PLUGS SHALL COMPLY WITH THE FOLLOWING:

   a. RECEPTACLE FACEPLATES SHALL BE INSTALLED SO AS TO COMPLETELY COVER THE OPENING AND SEAT AGAINST THE MOUNTED SURFACE.

   b. STARTING IN 2016, ALL CONVENIENCE OUTLETS IN KITCHENS AND LAUNDRY ROOMS BE GFCI AND ARC-FAULT PROTECTED.

   c. ALL TYPE 15A & 20A,125V RECEPTACLES IN THE FOLLOWING AREA OF A DWELLINGS UNIT [210.52] MUST BE LISTED AS TAMPER-RESISTANT [406.12].

WALL SPACE - 210.52(A)	OUTDOORS - 210.52(E)
SMALL-APPLIANCE CIRCUIT - 210.52(B)	LAUNDRY AREA - 210.52(F)
COUNTERTOP SPACE - 210.52(C)	GARAGE AND OUTBUILDINGS - 210.52(G)
BATHROOM AREA - 210.52(D)	HALLWAYS - 210.52(H)

   EXCEPTION: RECEPTACLES IN THE FOLLOWING LOCATIONS AREN'T REQUIRED TO BE TAMPER-RESISTANT:

   - RECEPTACLES LOCATED MORE THAN 5½ FT ABOVE THE FLOOR
   - RECEPTACLES THAT ARE PART OF A LUMINARY OR APPLIANCE
   - A RECEPTACLE LOCATED WITHIN DEDICATED SPACE FOR AN APPLIANCE THAT IN NORMAL USE ISN'T EASILY MOVED FROM ONE PLACE OR ANOTHER.

   - ALL NEW 125-VOLT, SINGLE PHASE, 15 & 20 AMPERE RECEPTACLES SHALL HAVE A GROUND-FAULT CIRCUIT-INTERRUPTER (GFCI OR GFI) PROTECTION WHEN INSTALLED IN THE FOLLOWING LOCATIONS:

   KITCHENS AND LAUNDRY ROOMS

   - ALL 120-VOLT, SINGLE-PHASE 15 & 20 AMPERE BRANCH CIRCUITS SUPPLYING NEW OUTLETS SHALL BE PROTECTED BY A LISTED ARC-FAULT CIRCUIT INTERRUPTER (AFCI), COMBINATION-TYPE, INSTALLED TO PROVIDE PROTECTION OF THE BRANCH CIRCUIT WHEN INSTALLED IN THE FOLLOWING LOCATIONS:

   FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUN ROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS OR SIMILAR ROOMS OR AREAS.

   - PER HIGH EFFICACY LIGHTING REQUIREMENTS OF THE ENERGY CODE, NEW LIGHTING SHALL COMPLY WITH THE FOLLOWING:

   d. EXHAUST FANS WITH INTEGRAL LIGHTING SYSTEM SHALL BE SWITCHED SEPARATELY FROM LIGHTING SYSTEM OR HAVE A LIGHTING SYSTEM THAT CAN BE MANUALLY TURNED ON AND OFF WHILE ALLOWING THE FAN TO CONTINUE TO OPERATE FOR AN EXTENDED PERIOD OF THE TIME.

   e. INTERIOR LIGHTING BESIDES KITCHEN & BATHROOM SHALL BE HIGH EFFICACY AND VACANCY SENSOR.

   f. EXTERIOR LIGHTING ATTACHED TO THE STRUCTURE SHALL BE HIGH EFFICACY AND CONTROLLED BY MOTION SENSOR AND PHOTO-CONTROL.

3. SMOKE AND CM DETECTORS SHALL NOT BE LOCATED WITHIN 36" OF THE INTERIOR FANS OR FAN COILS. 2010 NFPA 72 A.29.8.3.4(6)

4. THE MAIN ELECTRICAL SERVICE PANEL SHALL NOT BE OF TYPE WITH A CENTER-FED MAIN CIRCUIT BREAKER AND SHALL INCLUDE RESERVED SPACE ALLOWING FOR INSTALLATION OF DOUBLE-POLE CIRCUIT BREAKERS FOR A FUTURE SOLAR PHOTOVOLTAIC SYSTEM. SUCH RESERVED SPACE SHALL BE POSITIONED AT THE OPPOSITE (LOAD) END FROM THE INPUT FEEDER OR MAIN CIRCUIT BREAKER LOCATION. THE RESERVED SPACE SHALL BE PERMANENTLY AND VISIBLY MARKED AS "FOR FUTURE SOLAR PHOTOVOLTAIC.

5. ELECTRICAL JUNCTION BOX AND SEGMENT OF METALLIC RACEWAY IN THE ATTIC SHALL BE PERMANENTLY AND VISIBLY MARKED AS "FOR FUTURE SOLAR PHOTOVOLTAIC." CA ENERGY EFFICACY EFFICIENCY STANDARDS 110.10(e) AS ADOPTED BY CITY OF GARDENA.

NOTES:

- ONLY WHOLE HOUSE FANS LISTED IN THE APPLIANCE EFFICIENCY DIRECTORY MAY BE USED.
- HOMEOWNERS WITH WHOLE HOUSE FANS MUST RECEIVE A ONE-PAGE "HOW TO OPERATE YOUR WHOLE HOUSE FAN" INFORMATION SHEET.
- VERIFY THAT ALL PLUMBING FIXTURES IN THE UNIT COMPLY WITH SENATE BILL 407.
- THE NEW HOSE BIB MUST BE PROTECTED BY A NON-REMOVABLE HOSE-BIB TYPE BACKFLOW PREVENTED.

NOTES:

1. IN COMBUSTIBLE CONSTRUCTION, FIRE BLOCKING SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS (BOTH VERTICAL AND HORIZONTAL) AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORIES, AND BETWEEN A TOP STORY AND THE ROOF SPACE.

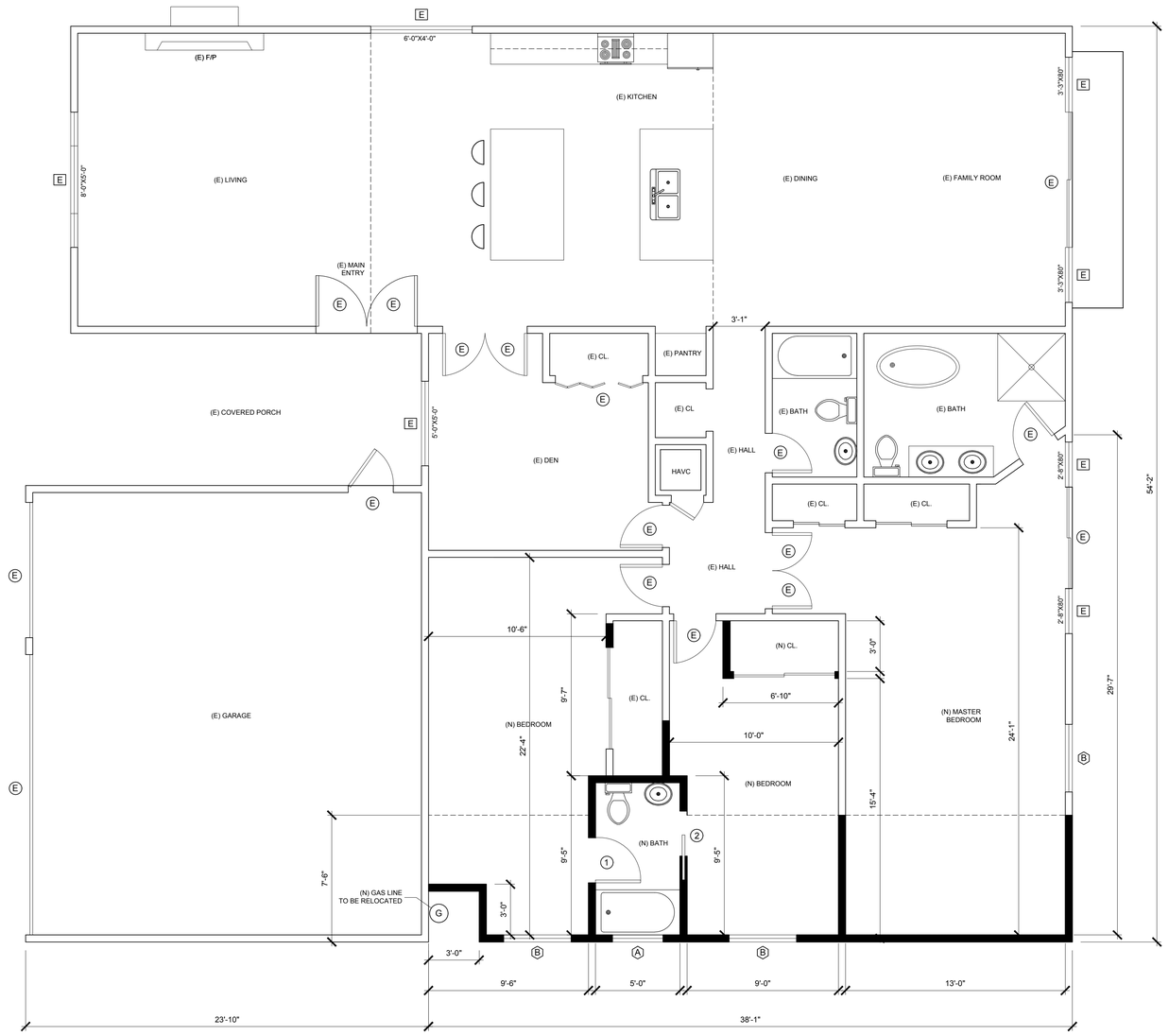
2. IN COMBUSTIBLE CONSTRUCTION WHERE THERE IS USABLE SPACE BOTH ABOVE AND BELOW THE CONCEALED SPACE OF A FLOOR/CEILING ASSEMBLY, DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQ FT. DRAFTSTOPPING SHALL DIVIDE THE CONCEALED SPACE APPROXIMATELY EQUAL AREAS (R302.12).

NOTES:
A KITCHEN IS DEFINED AS ANY ROOM CONTAINING COOKING APPLIANCES. EACH KITCHEN IS REQUIRED TO HAVE AN EXHAUST FAN DUCTED TO THE OUTSIDE WITH A MINIMUM VENTILATION RATE OF 100 cmf THE RANGE HOOD OVER THE STOVE MAY BE USED TO MEET THIS REQUIREMENT BUT THE RANGE HOODMUST VENT TO THE OUTSIDE; RECIRCULATING RANGE HOODS CANNOT BE USED. THE DUCTING FOR EXHAUST FANS SHALL BE SIZED ACCORDING TO ASHRAE STANDARDS 62.2 TABLE 7.1. THIS LOCAL EXHAUST FAN MAY OPERATE CONTINUOUSLY OR INTERMITTENTLY. INSTALLING THIS LOCAL EXHAUST FAN IN THE KITCHEN WILL ALLOW THE HOME OCCUPANT TO REGULATE THE INDOOR AIR QUALITY WHEN NEEDED.

NOTES:

ALL BRANCH CIRCUITS THAT SUPPLY 125 VOLT, SINGLE PHASE, 15 AND 20 AMPERE OUTLETS INSTALLED IN DWELLING UNITS SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER(S) (CEC 210.12) NOTE THIS REQUIREMENT IS FOR ENTIRE CIRCUIT, NOT JUST THE OUTLETS.

WALL COVERING SHALL BE CEMENT PLASTER, TILE OR APPROVED EQUAL TO 72 INCHES ABOVE DRAIN AT SHOWERS OR TUB WITH SHOWERS. MATERIALS OTHER THAN STRUCTURAL ELEMENTS ARE TO BE MOISTURE RESISTANT. (CRC R307.2).



(N) FLOOR PLAN

SCALE 1/4" = 1'0"

LEGEND

- EXISTING WALL TO REMAIN
- NEW WALL

ELECTRICAL SYMBOLS	
SYMBOLS	DESCRIPTION
	Ceiling Light High Efficacy
	Light Wall Mounted High Efficacy w/Photocell and Motion sensor
	Outlet / Tamper Resistant
GFI	Outlet w/ Ground Fault Interrupter / Tamper Resistant
$	Light Switch
$D	Light Switch w/Dimmer
SD	Smoke Detector Hard Wired w/Battery Back-Up
EF	Exhaust Fan 5 Change /Hr. Min. 50 CFM Capacity W Humidistat - Direct Vent, Energy Star
SF	Kitchen Exhaust Fan per ASHRAE Standard 62.2
CMA	STATE FIRE MARSHALL-APPROVED CARBON MONOXIDE ALARM

NOTE:

SMOKE ALARMS SHALL BE PROVIDED AS FOLLOWS:
IN ALL CONSTRUCTIONS SMOKE ALARMS SHALL RECEIVED THEIR PRIMARY POWER SOURCE FROM THE BUILDING WIRING AND SHALL BE EQUIPPED WITH BATTERY BACK UP AND LOW BATTERY SIGNAL. SMOKE ALARMS SHALL BE LOCATED IN EACH SLEEPING ROOM & HALLWAY OR AREA GIVING ACCESS TO A SLEEPING ROOM, AND ON EACH STORY AND BASEMENT FOR DWELLING WITH MORE THAN ONE STORY. SMOKE ALARMS SHALL BE INTERCONNECTED SO THAT ACTUATION OF ONE ALARM WILL ACTIVATE ALL THE ALARMS WITHIN THE INDIVIDUAL DWELLING UNIT. (907.2.10.5)

DOOR SCHEDULE			
SYMBOLS	SIZE	TYPE	REMARKS
1	32" X 80"	Swing	Hollow Core
2	32" X 80"	Swing	Pocket Door
E = EXISTING DOORS			

WINDOW SCHEDULE					
SYMBOLS	SIZE	DESCRIPTION	U-Factor	SHGC	REMARKS
A	3'-0" X 1'-6"	Vinyl Sliding	0.32	0.23	Temp. Glass
B	4'-0" X 4'-0"	Vinyl Sliding	0.32	0.23	
E = EXISTING WINDOWS					

REVISIONS	BY

ARTTEK CONCEPT AND DESIGN
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PROJECT NAME:
ONE STORY HOUSE ADDITION

SINGLE FAMILY RESIDENCE
28710 KING ARTHUR CT
RANCHO PALOS VERDES, CA 90275

DRAWING TITLE:
(N) FLOOR PLAN
S.F.R.

DATE:

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

DRAWN:

JOB:

SHEET
A-3