AGENDA
EL SEGUNDO CITY COUNCIL
COUNCIL CHAMBERS - 350 Main Street

The City Council, with certain statutory exceptions, can only take action upon properly posted and listed agenda items. Any writings or documents given to a majority of the City Council regarding any matter on this agenda that the City received after issuing the agenda packet are available for public inspection in the City Clerk’s office during normal business hours. Such Documents may also be posted on the City’s website at www.elsegundo.org and additional copies will be available at the City Council meeting.

Unless otherwise noted in the Agenda, the Public can only comment on City-related business that is within the jurisdiction of the City Council and/or items listed on the Agenda during the Public Communications portions of the Meeting. Additionally, the Public can comment on any Public Hearing item on the Agenda during the Public Hearing portion of such item. The time limit for comments is five (5) minutes per person.

Before speaking to the City Council, please come to the podium and state: Your name and residence and the organization you represent, if desired. Please respect the time limits.

Members of the Public may place items on the Agenda by submitting a Written Request to the City Clerk or City Manager’s Office at least six days prior to the City Council Meeting (by 2:00 p.m. the prior Tuesday). The request must include a brief general description of the business to be transacted or discussed at the meeting. Playing of video tapes or use of visual aids may be permitted during meetings if they are submitted to the City Clerk two (2) working days prior to the meeting and they do not exceed five (5) minutes in length.

In compliance with the Americans with Disabilities Act, if you need special assistance to participate in this meeting, please contact City Clerk, 524-2305. Notification 48 hours prior to the meeting will enable the City to make reasonable arrangements to ensure accessibility to this meeting.

MEETING OF THE EL SEGUNDO CITY COUNCIL
TUESDAY, DECEMBER 06, 2016 – 5:00 PM

5:00 P.M. SESSION

CALL TO ORDER

ROLL CALL

PUBLIC COMMUNICATION – (Related to City Business Only – 5 minute limit per person, 30 minute limit total) Individuals who have received value of $50 or more to communicate to the City Council on behalf of another, and employees speaking on behalf of their employer, must so identify themselves prior to addressing the City Council. Failure to do so shall be a misdemeanor and punishable by a fine of $250.
SPECIAL ORDER OF BUSINESS:

CLOSED SESSION:

The City Council may move into a closed session pursuant to applicable law, including the Brown Act (Government Code Section §54960, et seq.) for the purposes of conferring with the City’s Real Property Negotiator; and/or conferring with the City Attorney on potential and/or existing litigation; and/or discussing matters covered under Government Code Section §54957 (Personnel); and/or conferring with the City’s Labor Negotiators; as follows:

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (Gov’t Code §54956.9(d)(1): -1- matters

1. City of El Segundo vs. City of Los Angeles, et.al. LASC Case No. BS094279

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to Government Code §54956.9(d)(2): -2- matters.


DISCUSSION OF PERSONNEL MATTERS (Gov’t Code §54957): -2- matters

1. Public Employee Performance Evaluation  
   Title: City Manager

2. Public Employee Performance Evaluation  
   Title: City Attorney

APPOINTMENT OF PUBLIC EMPLOYEE (Gov’t. Code § 54957): -0- matter

PUBLIC EMPLOYMENT (Gov’t Code § 54957) -0- matter
CONFERENCE WITH CITY’S LABOR NEGOTIATOR (Gov’t Code §54957.6): -8-matters

1. **Employee Organizations**: Police Management Association; Police Officers Association; Police Support Services Employees Association; Fire Fighters Association; Supervisory, Professional Employees Association; City Employee Association and Executive and Management/Confidential Employees.

   Agency Designated Representative: Steve Filarsky and City Manager, Greg Carpenter

CONFERENCE WITH REAL PROPERTY NEGOTIATOR (Gov’t Code §54956.8): -0-matters
AGENDA
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REGULAR MEETING OF THE EL SEGUNDO CITY COUNCIL
TUESDAY, DECEMBER 06, 2016 - 7:00 P.M.

7:00 P.M. SESSION

CALL TO ORDER

INVOCATION – Pastor Rob McKenna, The Bridge

PLEDGE OF ALLEGIANCE – Council Member Dugan
PRESENTATIONS

a) Proclamation – The 1200 Block of East Acacia Avenue as Candy Cane Lane from December 10, 2016 – December 23, 2016.

b) Commendation – Carol Cervantes, El Segundo Police Department’s RSVP of the Year.

c) Proclamation – 53rd Annual Holiday Parade

ROLL CALL

PUBLIC COMMUNICATIONS – (Related to City Business Only – 5 minute limit per person, 30 minute limit total) Individuals who have received value of $50 or more to communicate to the City Council on behalf of another, and employees speaking on behalf of their employer, must so identify themselves prior to addressing the City Council. Failure to do so shall be a misdemeanor and punishable by a fine of $250. While all comments are welcome, the Brown Act does not allow Council to take action on any item not on the agenda. The Council will respond to comments after Public Communications is closed.

CITY COUNCIL COMMENTS – (Related to Public Communications)

A. PROCEDURAL MOTIONS

Consideration of a motion to read all ordinances and resolutions on the Agenda by title only.
Recommendation – Approval.

B. SPECIAL ORDERS OF BUSINESS (PUBLIC HEARING)

1. Consideration and possible action regarding (Public Hearing) the proposed project and budget for the 2017-18 Community Development Block Grant (CDBG) Program Year. The estimated CDBG budget allocation for Program Year 2017-2018 is approximately $52,400.00.
(Fiscal Impact: $52,400.00)
Recommendation – 1) Open the public hearing and take testimony; 2) Close public hearing and discuss item; 3) Adopt the new 2017-2018 CDBG project and budget; 4) Authorize the City Manager to execute the contracts, in a form approved by the City Attorney, with the Los Angeles County Community Development Commission (CDC); 5) Alternatively, discuss and take other possible action related to this item.

(Fiscal Impact: None)

Recommendation – 1) Open the public hearing; 2) Take public testimony; 3) Discussion; 4) Waive second reading and adopt 17 ordinances;

a. Adopting 2016 California Building Code, (Vol. I and II) w/ amendments,
b. Adopting 2016 California Residential Code with amendments,
c. Adopting 2016 California Electrical Code,
d. Adopting 2016 California Mechanical Code with amendments,
e. Adopting 2016 California Plumbing Code with amendments,
f. Adopting 2016 California Energy Code,
g. Adopting 2015 International Property Maintenance Code with amendments,
h. Adopting 2015 International Pool and Spa Code with amendments,
i. Adopting 2016 California Fire Code with amendments,
j. Adopting 2016 California Existing Building Code with amendments,
k. Adopting 2016 California Green Building Standards Code with amendments,
l. Re-numbering 1997 Abatement of Dangerous Building Ordinance,
m. Adopting Post Disaster Assessment Ordinance,

n. Re-numbering 1997 Uniform Housing Code,
o. Re-numbering Earthquake Hazard Reduction Ordinance with amendments and adopting Appendix V Voluntary Seismic Retrofit,

q. Adopting El Segundo Security Code; 5) Alternatively, discuss and take other possible action related to this item.
C. UNFINISHED BUSINESS

3. Consideration and possible action to authorize the City Manager to recruit and hire an Information Systems Director.
   (Fiscal Impact: $226,000.00)
   Recommendation – 1) Authorize the City Manager to recruit and hire an Information Systems Director; 2) Alternatively, discuss and take other possible action related to this item.

D. REPORTS OF COMMITTEES, COMMISSIONS AND BOARDS

E. CONSENT AGENDA

All items listed are to be adopted by one motion without discussion and passed unanimously. If a call for discussion of an item is made, the item(s) will be considered individually under the next heading of business.

4. Warrant Numbers 3013874 through 3014171 on Register No. 4 in the total amount of $1,611,871.83 and Wire Transfers from 11/7/16 through 11/27/16 in the total amount of $4,164,127.60.
   Recommendation – Approve Warrant Demand Register and authorize staff to release. Ratify Payroll and Employee Benefit checks; checks released early due to contracts or agreement; emergency disbursements and/or adjustments; and wire transfers.

5. Corrected Regular City Council Meeting Minutes of September 6, 2016, Special City Council Minutes of November 15, 2016 and Regular City Council Meeting Minutes of November 15, 2016.
   Recommendation – Approval

6. Consideration and possible action regarding a request for on-site sale of beer, wine, and distilled spirits (Type 47 ABC License) for an existing restaurant with a new occupant (El Gringo Restaurant) at 422 Main Street, EA No. 1160, AUP No. 16-08. Applicant: SAGA Architecture.
   (Fiscal Impact: N/A)
   Recommendation – 1) Receive and file this report for the on-site sale of beer, wine, and distilled spirits at an existing restaurant with a new occupant at 422 Main Street; 2) Alternatively, discuss and take other possible action related to this item.
7. Consideration and possible action to adopt a Resolution approving the Plans and Specifications for Police Department Men's Locker Room Improvements, Project No. PW 15-10.
(Fiscal Impact: $70,000.00)
Recommendation – 1) Adopt the Resolution approving the Plans and Specification for the Police Department Men's Locker Room Improvements, Project No. PW 15-10; 2) Alternatively, discuss and take other possible action related to this item.

8. Consideration and possible action to 1) Waive second reading and adopt an ordinance establishing requirements for compliance with Assembly Bill 1826.
(Fiscal Impact: N/A)
Recommendation – 1) Waive second reading and adopt Ordinance No. 1541 for compliance with Assembly Bill 1826 regarding mandatory recycling of organic waste; 2) Alternatively, discuss and take other possible action related to this item.

9. Consideration and possible action to 1) award a standard Public Works Contract to Elecnor Belco Electric, Inc. for Fiber Optic Network Expansion, Project No. PW 16-33; 2) amend an existing Public Works Professional Services Agreement with AKM Consulting Engineers for construction inspection services.
(Fiscal Impact: $524,885.00)
Recommendation – 1) Authorize the City Manager to execute a standard Public Works Contract, in a form approved by the City Attorney, with Elecnor Belco Electric, Inc. in the amount of $410,738.00 for Fiber Optic Network Expansion, Project No. PW 16-33; and authorize an additional $82,147.00 for construction related contingencies; 2) Authorize the City Manager to amend an existing Public Works Professional Services Agreement with AKM Consulting Engineers to add $32,000.00 for a total contract amount of $50,914.00 for construction inspection and geotechnical (compaction) testing; 3) Alternatively, discuss and take other possible action related to this item.

10. Consideration and possible action to authorize the City Manager to hire an Information Systems Specialist from a current existing eligibility list.
(Fiscal Impact: $128,000.00)
Recommendation – 1) Authorize the City Manager to hire an Information Systems Specialist to work directly with the Police Department on current and future technologies including the regionalized fixed camera system; 2) Alternatively, discuss and take other possible action related to this item.
11. Consideration and possible action to authorize the City Manager to enter into a Professional Services Agreement in a form approved by the City Attorney with Vision Technology Solutions, LLC, DBA Vision Internet Providers to design and replace the City’s website.
   (Fiscal Impact: $250,000.00)
   Recommendation – 1) Authorize the City Manager to enter in an agreement in a form approved by the City Attorney with Vision Technology Solutions to design and replace the City's website in an amount not to exceed $250,000; 2) Alternatively, discuss and take other possible action related to this item.

12. Consideration and possible action regarding 1) Adoption of a Resolution establishing a new monthly health contribution for unrepresented hourly employees considered full-time under the Affordable Care Act.
   (Fiscal Impact: $8,160.00 annually cost saving.)
   Recommendation – 1) Adopt the reduced monthly health contribution for unrepresented hourly employees; 2) Alternatively, discuss and take other possible action related to this item.

13. Consideration and possible action to adopt Ordinance No. 1544 prohibiting commercial marijuana activity to the extent allowed by state law in the city.
   (Fiscal Impact: N/A)
   Recommendation – 1) Waive second reading and adopt Ordinance No. 1544; 2) Alternatively, discuss and take other possible action related to this item.

14. Consideration and possible action regarding approval of an amendment to the Robert Half International, Inc. (dba Accountemps) agreement number 4810 for temporary staffing in Finance Department / Accountant.
   (Fiscal Impact: $61,000.00)
   Recommendation – 1) Authorize City Manager to execute an agreement amendment, in a form approved by the City Attorney, with Accountemps, for additional temporary staffing; 2) Alternatively, discuss and take other possible action related to this item.

F. NEW BUSINESS

G. REPORTS – CITY MANAGER

H. REPORTS – CITY ATTORNEY
I. REPORTS – CITY CLERK

15. Consideration and possible action regarding Council consensus to cancel the January 3, 2017 City Council Meeting.  
(Fiscal Impact: None)  
Recommendation – 1) Approve cancellation of the January 3, 2017 City Council Meeting; 2) Alternatively, discuss and take other possible action related to this item.

J. REPORTS – CITY TREASURER

K. REPORTS – CITY COUNCIL MEMBERS

Council Member Brann –

Council Member Pirsztuk –

Council Member Dugan –

Mayor Pro Tem Boyles –

Mayor Fuentes –

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MEMORIALS –
CLOSED SESSION

The City Council may move into a closed session pursuant to applicable law, including the Brown Act (Government Code Section §54960, et seq.) for the purposes of conferring with the City’s Real Property Negotiator; and/or conferring with the City Attorney on potential and/or existing litigation; and/or discussing matters covered under Government Code Section §54957 (Personnel); and/or conferring with the City’s Labor Negotiators.

REPORT OF ACTION TAKEN IN CLOSED SESSION (if required)

ADJOURNMENT

POSTED:

DATE: 12-1-16

TIME: 11:10 AM

NAME: [Signature]
WHEREAS, Great and wonderful events are many times the inspiration of one person, like Ken Bailey, whose simple idea, that a decorated tree be placed at the end of the cul-de-sac on the 1200 Block of East Acacia in celebration of a neighborhood Christmas in 1949, is over 65 years later an annual holiday tradition in El Segundo, worthy of national media coverage, and known as Candy Cane Lane; and

WHEREAS, Candy Cane Lane features Santa Claus arriving on top of a horn-blowing El Segundo fire engine to light the beautifully decorated homes on Candy Cane Lane as he makes his way into his sleigh in a Christmas Village situated at the end of the cul-de-sac, from which he sends good cheer each year for 11 nights this year to thousands of boys and girls, residents and tourists; and

WHEREAS, Homes, yards and magnolia trees are brightly decorated. The El Segundo Community Band plays and property owners dress up their homes for all the oohs and aahs and the tradition of Candy Cane Lane. A few good merry men of Candy Cane Lane, like Tom Lindsey, have given their merry Ho, Ho, Ho's, year after year, in the Santa suit donated by Chevron. A big thanks to Spring Cleaners for generously making sure Santa’s suit is sparkling for the season. The El Segundo Police Department RSVP’s and El Segundo High School ASB volunteers make sure the crowds maneuver down the Lane in a safe and orderly fashion; and

WHEREAS, Least we forget, we herein list the names of the folks that are synonymous with Candy Cane Lane: Eyres, Hoods, Esdins, McEwans, Warwicks, Moores, Turnbulls, Rady, de Lambertyes, Guidone and Stretch, Woods, Mitchells, Hudspeths, Harts, Doukakises, Brunnenkants, Phillipses, Stosser and Szeto, Leachs, Kehls, Wongs, Schlenderings, Moys, Stroes and Lobjois.

NOW, THEREFORE, on this 6th day of December, 2016, the Mayor and Members of the City Council of the City of El Segundo, California, proclaim the 1200 Block of East Acacia Avenue as CANDY CANE LANE from December 10, 2016 at 7:00 p.m., through December 23, 2016, and invite the young and young at heart to experience the wonders of this El Segundo holiday tradition.

Mayor Suzanne Fuentes
Mayor Pro Tem Drew Boyles
Council Member Michael Dugan
Council Member Carol Piirsztuk
Council Member Don Brann
WHEREAS, the goal of the El Segundo Police Department’s Retired Senior Volunteer Program ("RSVP") is to supplement and assist both the Field Operations and the Administrative Services Bureau in their efforts to better serve the citizens of the City of El Segundo; and

WHEREAS, RSVP members are the "eyes and the ears" of the Police Department and, as representatives of the City and the Police Department, must maintain an image at all times that parallels the professionalism of the El Segundo Police Department; and

WHEREAS, Carol Cervantes has been an El Segundo Police Department RSVP since September 18, 2013, working not only the required four hours per week but contributing additional hours working Downtown Neighborhood Watch, Neighborhood Watch in the Park, Plaza El Segundo’s Holiday Open House, Candy Cane Lane, the Little League Parade, the Police Fire Memorial Golf Tournament, 4th of July in the Park, street light survey, Neighborhood Watch community meeting flyers and recruiting new RSVPs. Carol has also assisted the Crime Prevention Unit with additional duties; and

WHEREAS, Carol Cervantes never fails to come to work with a smile and an eagerness to help with any request, and makes invaluable contributions to the RSVP program and to our community with enthusiasm and support; and

WHEREAS, Carol Cervantes has been selected by the City of El Segundo as the recipient of the El Segundo Police Department’s RSVP of the Year award in recognition of the 192 plus volunteer hours she has given to the El Segundo Police Department’s Retired Senior Volunteer Program.

NOW, THEREFORE, the Mayor and Members of the City Council of the City of El Segundo, California, on this 6th day of December, 2016, hereby commend Carol Cervantes for her invaluable contributions to the Retired Senior Volunteer Program, and invite all citizens in recognizing Carol Cervantes as the El Segundo Police Department’s RSVP of the Year.

Mayor Suzanne Fuentes
Mayor Pro Tem Drew Boyles
Council Member Michael Dugan
Council Member Carol Parsztuk
Council Member Don Brann
WHEREAS, The El Segundo Chamber of Commerce has given El Segundo the Annual Holiday Parade for the past 53 years, a tradition which both celebrates El Segundo and calls forth the Holiday Season; and

WHEREAS, The parade, to be held Sunday, December 11, 2016 from 1:00 p.m. to 3:00 p.m., with a theme of Hometown Holiday, will assemble on the corner of Imperial Avenue and Main, and continue down Main Street, disbanding at El Segundo Boulevard; and

WHEREAS, The parade will start with the Grand Marshall, end with the traditional Grand Finale - the Chevron Fire Truck, bringing Santa Claus through downtown El Segundo, and in between, the crowds will be treated to a few surprises.

NOW, THEREFORE, the Mayor and Members of the City Council of the City of El Segundo, California, do hereby proclaim Sunday, December 11, 2016, as the 53rd Annual El Segundo Holiday Parade, and invite the community to all the traditional El Segundo holiday events and wish the Chamber of Commerce many more years of marching down Main Street.

Mayor Suzanne Fuentes
Mayor Pro Tem Drew Boyles
Council Member Carol Pirsztuk
Council Member Michael Dugan
Council Member Don Brann
EL SEGUNDO CITY COUNCIL
MEETING DATE: December 6, 2016
AGENDA STATEMENT  AGENDA HEADING: Special Order of Business - Public Hearing

AGENDA DESCRIPTION:
Consideration and possible action regarding (Public Hearing) the proposed project and
budget for the 2017-18 Community Development Block Grant (CDBG) Program Year. The estimated CDBG budget allocation for Program Year 2017-2018 is approximately
$52,400. (Fiscal Impact: $52,400).

RECOMMENDED COUNCIL ACTION:
1. Open public hearing and take testimony;
2. Close public hearing and discuss item;
3. Adopt the new 2017-2018 CDBG project and budget;
4. Authorize the City Manager to execute the contracts, in a form approved by the City
Attorney, with the Los Angeles County Community Development Commission
(CDC); and/or,
5. Alternatively, discuss and take other possible action related to this item.

ATTACHED SUPPORTING DOCUMENTS:
ADA – Compliant Curb Ramp Location Map

FISCAL IMPACT: $52,400
Amount Budgeted: Total CDBG $52,400
Account Number(s): CDBG Fund 111

ORIGINATED BY: Gregg McClain, Planning Manager
REVIEWED BY: Sam Lee, Director of Planning and Building Safety
APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:
Each year, Community Development Block Grant (CDBG) funds are allocated to cities by the
Federal Housing and Urban Development Department (HUD) and administered through the Los
Angeles County Community Development Commission (CDC). Participating cities receive
funding based upon the total number of cities participating in the County’s program, census
population counts, estimates of poverty, overcrowding and aged housing stock.

Since 1986, the City of El Segundo participated in the annual Los Angeles Urban County’s
CDBG Program. In order to continue its participation in the upcoming 2017-2018 Program
Year, which begins on July 1, 2017, and ends on June 30, 2018, the City of El Segundo must
prepare and submit its proposed CDBG action plan and/or project descriptions to the Los
Angeles County Community Development Commission (CDC) by February 2, 2017, for review and approval.

Pursuant to Federal requirements, notice of this public hearing was posted in public buildings within the City. Federal requirements also mandate that as part of the hearing, the Council and public be informed of the range of eligible housing and community development activities that may be funded under the CDBG program. Interested persons may obtain a copy of the Federal eligibility guidelines, available at the City of El Segundo’s Department of Planning and Building Safety, during regular business hours.

**Proposed CDBG Projects and Budgets**

The proposed 2017-2018 CDBG allocation for the City of El Segundo is $52,400. This allocation is consistent with the amount of funding the City has received over the past three years. This proposed CDBG allocation is a planning estimate only; the Los Angeles County Community Development Commission (CDC) will release final appropriations in spring 2017. The City’s final CDBG allocation is generally within 10% of the estimate provided.

**Prior Year CDBG Action Plan (2016-2017)**

In 2016-2017, the City’s CDBG funds supported the removal and replacement of twenty-two (22) existing concrete curbs with steep grades with American with Disabilities Act (ADA) compliant accessible concrete ramps and truncated domes. Removal of architectural barriers to improve mobility and accessibility of senior adults and severely handicapped persons is an example of an eligible project under the CDBG Program.

The CDBG-funded ADA Curb Ramp Improvement project is part of the City’s continuing effort to comply with the Americans with Disability Act (ADA) requirements that eliminate architectural barriers that impede access to public facilities. Since 2006, more than 350 accessible sidewalk ramps have been installed throughout the City.

**Environmental Assessment**

This action is exempt from CEQA pursuant to CEQA Guidelines §15061(b)(3) which is the general rule that CEQA applies only to projects which have the potential for causing a significant effect on the environment and CEQA does not apply where it can be seen with certainty that there is no possibility that the activity may have a significant effect on the environment.

**Recommended 2017-2018 CDBG Action Plan**

Staff recommends that the 2017-2018 CDBG Program Year allocation totaling approximately $52,400 be used to continue the implementation of ADA accessible curb ramps at various intersections throughout the City. It is anticipated that approximately fifteen accessible concrete ramps will be installed.
CITY MAP
Construction of ADA Ramps
CDBG Completed Projects 2007-2016
City of El Segundo

DATE LAST REVISED:
Nov 21, 2016
AGENDA DESCRIPTION:
(Fiscal Impact: None)

RECOMMENDED COUNCIL ACTION:

1. Open the public hearing;
2. Take public testimony;
3. Discussion;
4. Waive second reading and adopt 17 ordinances:
   a. Adopting 2016 California Building Code, (Vol. I and II) w/ amendments,
   b. Adopting 2016 California Residential Code with amendments,
   c. Adopting 2016 California Electrical Code,
   d. Adopting 2016 California Mechanical Code with amendments,
   e. Adopting 2016 California Plumbing Code with amendments,
   f. Adopting 2016 California Energy Code,
   g. Adopting 2015 International Property Maintenance Code with amendments,
   h. Adopting 2015 International Pool and Spa Code with amendments,
   i. Adopting 2016 California Fire Code with amendments,
   j. Adopting 2016 California Existing Building Code with amendments,
   k. Adopting 2016 California Green Building Standards Code with amendments,
   l. Re-numbering 1997 Abatement of Dangerous Building Ordinance,
   m. Adopting Post Disaster Assessment Ordinance,
   n. Re-numbering 1997 Uniform Housing Code,
   o. Re-numbering Earthquake Hazard Reduction Ordinance with amendments and adopting Appendix V Voluntary Seismic Retrofit,
   q. Adopting El Segundo Security Code;
5. Alternatively, discuss and take other action related to this item.
ATTACHED SUPPORTING DOCUMENTS:

1. Staff report (November 1, 2016) for waiving first reading for the building code adoption.
2. Ordinance No. 1524 Adopting 2016 California Building Code, (Vol. I and II) w/ amendments,
3. Ordinance No. 1525 Adopting 2016 California Residential Code with amendments,
4. Ordinance No. 1526 Adopting 2016 California Electrical Code,
5. Ordinance No. 1527 Adopting 2016 California Mechanical Code with amendments,
6. Ordinance No. 1528 Adopting 2016 California Plumbing Code with amendments,
7. Ordinance No. 1529 Adopting 2016 California Energy Code,
8. Ordinance No. 1530 Adopting 2015 International Property Maintenance Code with amendments,
9. Ordinance No. 1531 Adopting 2015 International Pool and Spa Code with amendments,
10. Ordinance No. 1532 Adopting 2016 California Fire Code with amendments,
11. Ordinance No. 1533 Adopting 2016 California Existing Building Code with amendments,
12. Ordinance No. 1534 Adopting 2016 California Green Building Standards Code with amendments,
13. Ordinance No. 1535 Re-numbering 1997 Abatement of Dangerous Building Ordinance with amendments,
14. Ordinance No. 1536 Adopting Post Disaster Assessment Ordinance,
15. Ordinance No. 1537 Re-numbering 1997 Uniform Housing Code,
16. Ordinance No. 1538 Re-numbering Earthquake Hazard Reduction Ordinance with amendments and adopting Appendix V Voluntary Seismic Retrofit,
17. Ordinance No. 1539 Adopting the 2015 Uniform Solar Energy and Hydronics Code with amendments and re-numbering the Expedited Process for Small Residential Rooftop Solar Systems, and

FISCAL IMPACT: N/A

Amount Budgeted: N/A
Additional Appropriation: N/A
Account Number(s): N/A

ORIGINATED BY: Lukas Quach, Building Safety Manager
                Susan Yuzuki, Senior Plan Check Engineer
                James Carver, Fire Marshal
                Laurie Risk, Crime Prevention

REVIEWED BY: Sam Lee, Director of Planning and Building Safety
                Chris Donovan, Fire Chief
                Mitch Tava, Police Chief

APPROVED BY: Greg Carpenter, City Manager
I. Background

Every three years, local governments must adopt the most recent editions of the model codes related to construction. The construction codes include: the Building, Plumbing, Mechanical, Electrical, Fire, Energy, Residential and Green Building codes. On November 1, 2016, the City Council introduced the above-referenced Ordinances. A complete background, discussion, and justification was included in the staff report and presented at the Council meeting. If the City Council adopts the Ordinances, then the most recent editions of the construction codes with local amendments will be in effect 30 days from the date of adoption (i.e., on January 6, 2017).

II. Environmental Assessment

The adoption of these ordinances are exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “State CEQA Guidelines”) because they consist only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore do not have the potential to cause significant effects on the environment. In addition, the adoption of these ordinances is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

III. Recommendation

The City Council adopts the most recent editions of the Construction Codes with the applicable amendments.
ATTACHMENT 1

Staff report (November 1, 2016) for waiving first reading for the building code adoption
AGENDA DESCRIPTION:
(Fiscal Impact: None)

RECOMMENDED COUNCIL ACTION:
1. Recommendation to waive first reading and introduce 17 ordinances:
   a. Adopting 2016 California Building Code, (Vol. I and II) w/ amendments,
   b. Adopting 2016 California Residential Code with amendments,
   c. Adopting 2016 California Electrical Code,
   d. Adopting 2016 California Mechanical Code with amendments,
   e. Adopting 2016 California Plumbing Code with amendments,
   f. Adopting 2016 California Energy Code,
   g. Adopting 2015 International Property Maintenance Code with amendments,
   h. Adopting 2015 International Pool and Spa Code with amendments,
   i. Adopting 2016 California Fire Code with amendments,
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   k. Adopting 2016 California Green Building Standards Code with amendments,
   l. Re-numbering 1997 Abatement of Dangerous Building Ordinance,
   m. Adopting Post Disaster Assessment Ordinance,
   n. Re-numbering 1997 Uniform Housing Code,
   o. Re-numbering Earthquake Hazard Reduction Ordinance with amendments and adopting Appendix V Voluntary Seismic Retrofit,
   q. Adopting El Segundo Security Code;
2. Set a public hearing for second reading and adoption of the ordinances for November 15, 2016; and/or
3. Alternatively, discuss and take other action related to this item.

ATTACHED SUPPORTING DOCUMENTS:
1. Adopting 2016 California Building Code, (Vol. I and II) w/ amendments,
2. Adopting 2016 California Residential Code with amendments,
3. Adopting 2016 California Electrical Code,
4. Adopting 2016 California Mechanical Code with amendments,
5. Adopting 2016 California Plumbing Code with amendments,
6. Adopting 2016 California Energy Code,
7. Adopting 2015 International Property Maintenance Code with amendments,
8. Adopting 2015 International Pool and Spa Code with amendments,
9. Adopting 2016 California Fire Code with amendments,
10. Adopting 2016 California Existing Building Code with amendments,
11. Adopting 2016 California Green Building Standards Code with amendments,
12. Re-numbering 1997 Abatement of Dangerous Building Ordinance with amendments,
13. Adopting Post Disaster Assessment Ordinance,
14. Re-numbering 1997 Uniform Housing Code,
15. Re-numbering Earthquake Hazard Reduction Ordinance with amendments and adopting Appendix V Voluntary Seismic Retrofit,

FISCAL IMPACT: N/A

Amount Budgeted: N/A
Additional Appropriation: N/A
Account Number(s): N/A

ORIGINATED BY: Lukas Quach, Building Safety Manager
Susan Yuzuki, Senior Plan Check Engineer
James Carver, Fire Marshal
Laurie Risk, Crime Prevention

REVIEWED BY: Sam Lee, Director of Planning and Building Safety
Chris Donovan, Fire Chief
Mitch Tavera, Police Chief

APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:

Every three years, local governments must adopt the most recent editions of the model codes related to construction. The construction codes include: the Building, Plumbing, Mechanical, Electrical, Fire, Energy, Residential and Green Building codes. If the City Council approves the Ordinances, then the most recent editions of the construction codes with local amendments will be in effect with the City of El Segundo on January 1, 2017 as required by State law.

I. Background

The State’s Health & Safety Code Section 17958 mandates that the California Building Standards Commission adopt and publish the California Building Standards Code (Title 24 California Code of Regulations) every three (3) years and local governments are required to enforce the State Code after 180 days of the code’s publication by the state.
The following codes are proposed for adoption by reference with amendments. If adopted, these codes will replace the prior editions of the model codes in the El Segundo Municipal Code Title 13.

- 2016 California Building Code
- 2016 California Residential Code
- 2016 California Electrical Code
- 2016 California Mechanical Code
- 2016 California Plumbing Code
- 2016 California Energy Code
- 2015 International Property Maintenance Code
- 2015 International Swimming Pool and Spa Code
- 2016 California Fire Code
- 2016 California Existing Building Code
- 2016 California Green Building Standards Code
- 2015 Uniform Solar Energy and Hydronics Code
- Post Disaster Assessment Ordinance

In addition, to ease the public’s use of the codes, staff is proposing ordinances that will simply re-number the following existing Chapters of Title 13 to be more aligned with the CCR Title 24 State model code:

- 1997 Abatement of Dangerous Building Code
- 1997 Uniform Housing Code
- Earthquake Hazard Reduction Ordinance

**Proposed Amendments to the State Model Codes**

The State Building Standards Code provides the minimum construction standards. Under the state law, local jurisdictions are permitted to make amendments to the State Code if there are local conditions that make it reasonably necessary because of local climatic, geological or topographical conditions. Both the Building Safety Division and the Fire Department staff are proposing amendments to the California Building, Residential, Plumbing, Mechanical and Fire Codes. The amendments will affect construction of new buildings and additions to existing buildings and are not retroactive to existing buildings. Staff is recommending amendments to the Building, Residential, Plumbing, Mechanical, Existing Building, California Green Building Standards, Uniform Housing, International Property Maintenance, International Swimming Pool and Spa, Abatement of Dangerous Building, and Fire codes be adopted to protect the welfare of the occupants and to ensure the economic viability of the community.

**The Need for Building and Residential Code Amendments**

The City of El Segundo is within the greater Los Angeles region which is a densely populated area having buildings and structures constructed over and near a vast array of seismic fault systems capable of producing major earthquakes, including but not limited to the 1994 Northridge Earthquake which resulted in over 60 deaths, left more than 25,000 people homeless and caused approximately $40 billion in economic loss. The amendments in the Building and
Residential codes were first adopted and have been in the City of El Segundo Municipal Code since 1997. The amendments emphasize the need for seismic-force-resisting elements and therefore the need to be incorporated into the code to assure that new building structures, additions, or alterations are designed and constructed in accordance with the scope and objectives of the most recent California Building Code and local geological conditions. These amendments have been adopted by the Los Angeles Regional Uniform Code Program and have been incorporated in many of the Los Angeles County cities.

Additionally, voluntary earthquake mitigation standards have been incorporated in the new Building code. If adopted, building owners will have an option to use a city approved earthquake mitigation methodology to seismically upgrade their older buildings to a nationally recognized standard that will not only result in a more earthquake resistant building, but may mean lower insurance rates for our residents and business owners.

The Need for Fire Code Amendments

These amendments provide the continuation of requirements for mid-rise buildings (4 stories to 75 feet) in height, water supply, fire department access, and general fire safety requirements that are not addressed in the 2016 California Fire Code. The mid-rise amendments will only affect new construction and are not retroactive to existing buildings. Also continuing amendments this year are standards for Temporary Haunted Houses, Ghost Walks, and Similar Amusement Uses.

The model building and fire codes provide special language for the construction of buildings over 75 feet in height. To safeguard the well-being of the building occupants in mid-rise buildings, in the 1990’s, the City Council passed an ordinance that lowered the high-rise requirement to 55 feet. Since adopting this requirement, the fire department has seen proposals for buildings less than 55 feet; these building were proposed due to costs to comply with the high rise requirements. In 2002, a code analysis was performed for those high rise requirements based on occupant safety, and the need to assist firefighters during a fire incident. As a result, the threshold for these additional safety standards was changed to apply to buildings of 4 stories to 75 feet in height.

Justification of Local Amendments

The Building Safety Division and the Fire Department are recommending that the above changes and modifications be made to the respective Codes and are advising that amendments are reasonably necessary due to local conditions in the City of El Segundo. Other modifications are of an administrative or procedural nature and concern themselves with subjects that are not covered by the Codes or are reasonably necessary to safeguard life and property within the City of El Segundo.

The Building Safety Division also took this opportunity to renumber the Chapters of Title 13 to be more aligned with the CCR Title 24 State model code for ease of use. The Residential Noise Insulation Standards section is relocated to corresponding sections in the CRC and the CBC. The amendment also include provisions to form an Access Board of Appeals to facilitate some of the ADA/accessibility related challenges. The El Segundo Security Code is also incorporated into Title 13 of the City of El Segundo Municipal Code to provide the public with the information for public safety in the development process.
State law requires ordinances adopting the uniform codes to have first and second readings, as do other ordinances, but to be adopted after a public hearing, set by the City Council, held on the same date as the second reading (adoption). Thus, staff recommends that the City Council set a public hearing for the second reading of the ordinances at its November 15, 2016 meeting.

II. Environmental Assessment

The adoption of these ordinances are exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “State CEQA Guidelines”) because they consist only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore do not have the potential to cause significant effects on the environment. In addition, the adoption of these ordinances is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

III. Recommendation

If the City Council introduces the Ordinances for first reading, the ordinances will be brought back for second reading and a public hearing on November 15, 2016. If adopted, the most recent editions of the Construction Codes with the applicable amendments will be in effect within the City of El Segundo on January 1, 2017 as required by State law.
ATTACHMENT 2

ORDINANCE No. 1524

Adopting 2016 California Building Code, (Vol. I and II) w/amendments
ORDINANCE NO. 1524

AN ORDINANCE ADOPTING THE CALIFORNIA BUILDING CODE, 2016 EDITION ("CBC") AND AMENDING THE CBC BASED UPON LOCAL CLIMATIC, TOPOGRAPHICAL, AND GEOLOGICAL CONDITIONS; AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH CHANGES.

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the California Building Code ("CBC") with the changes set forth in this Ordinance;

F. Pursuant to the requirements of Health and Safety Code § 17958.7, the City Council finds that there are local geological conditions justifying the CBC amendments set forth below;

G. The City of El Segundo and the greater Los Angeles region is a densely populated area having buildings and structures constructed over and near a vast array of fault systems capable of producing major earthquakes including, without limitation, to the 1994 Northridge Earthquake. The proposed modifications emphasize that the design concern is for seismic-force-resisting elements and therefore need to be incorporated into the CBC to ensure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the International Building Code. Experts predict a major earthquake in Southern California within the next 50 years. This situation creates the need for both additional fire protection measures and automatic on-site fire protection of
building occupants since a multitude of fires may result from breakage of gas and electric lines because of an earthquake. The City of El Segundo is located along the coast and has hilly terrain, making construction and After due consideration, the City Council finds and determines that due to local climatic, geological, or topographical conditions, the structural and fire protection amendments to the 2016 CBC are necessary to give buildings a reasonable degree of structural integrity and fire life safety to help protect public health and safety in the event of a seismic event.

H. Additional amendments have been made to Codes are found to be either administrative or procedural in nature or concern themselves with subjects not covered in such Codes. The changes made include provisions making each of said Codes compatible with other Codes enforced by the City;

I. The specific amendments of the CBC that fulfill these requirements are:

1. Amend CBC Section 105.1 Permit required
2. Amend CBC Section 105.2 Work exempt from permit
3. Amend CBC Section 105.3.2 Expiration of Plan Check
4. Amend CBC Section 105.5 Expiration of Permits
5. Add CBC Section 105.8 Responsibility of permittee
6. Amend CBC Section 109.4 Work commencing before permit issuance.
7. Add CBC Section 109.6.1 Plan Check fee refund
8. Add CBC Section 109.1.2 Permit fee refund
9. Add CBC Section 109.7 Re-inspections
10. Add CBC Section 110.1.1 Survey certification
11. Amend CBC Section 113.3 Building Board of Appeals
12. Add CBC Section 113.4 Access Board of Appeals
13. Add CBC Section 1207.6 Residential Noise Insulation Standards
14. Amend CBC Section 1507.3.1 Deck Requirements
15. Add CBC Section 1613.5.2 Structural Separation
16. Add CBC Section 1613.5.3 Values for Vertical Combinations
17. Add CBC Section 1613.5.4 Wood Diaphragms
18. Add CBC Section 1613.5.5 Maximum $S_{DS}$ Value in Determination of $C_s$ and $E_v$
19. Add CBC Section 1613.7 Seismic Design Provisions for Hillside Buildings
20. Add CBC Section 1613.8 Suspended Ceilings
21. Amend CBC Section 1704.6 Structural Observations
22. Amend CBC Section 1704.6.1 Structural Observations Seismic Resistance
23. Amend CBC Section 1705.3 Special Inspections for Concrete Construction
24. Amend CBC Section 1705.12 Special Inspections for Seismic Resistance
25. Amend CBC Section 1807.1.4 Permanent Wood Foundation System
26. Amend CBC Section 1807.1.6 Prescriptive Design of Concrete and Masonry Foundation Walls
27. Amend CBC Section 1809.3 Stepped Footings
28. Amend CBC Section 1809.7 and Table 1809.7 Prescriptive Footings for Light Frame Construction
29. Amend CBC Section 1809.12 Timber Footings
30. Amend CBC Section 1810.3.2.4 Timber
31. Amend CBC Section 1905.1.7 Minimum Reinforcement
32. Amend CBC Section 1905.1 and Add Sections 1905.1.9 thru 19.05.1.11 Reinforcement
33. Amend CBC Section 2304.10.1 Fastener Requirement
34. Amend CBC Section 2304.12.5 Wood Retaining Walls
35. Add CBC Section 2305.4 Quality of Nails
36. Add CBC Section 2305.5 Hold-down Connectors
37. Amend CBC Section 2306.2 Wood-Frame Diaphragms
38. Amend CBC Section 2306.3 Wood-Frame Shear Walls

39. Add CBC Section 2307.2 Wood-Frame Shear Walls

40. Amend CBC Table 2308.6.1 Wall Bracing Requirements

41. Amend CBC Sections 2308.6.5, Figure 2308.6.5.1 and Figure 2308.6.5.2 Alternative Bracing

42. Amend CBC Section 2308.6.8.1 Foundation Requirements

43. Amend CBC Section 2308.6.9 Attachment of Sheathing

44. Add CBC Section J101.3 Hazards

45. Add CBC Section J101.4 Safety Precautions

46. Add CBC Section J101.5 Protection of Utilities

47. Add CBC Section J101.6 Protection of Adjacent Properties

48. Add CBC Section J101.7 Storm water control measures

49. Add CBC Section J101.8 Conditions of approval

50. Add CBC Section J101.9 Rules and regulations

51. Amend CBC Section J103.2 Exemptions.

52. Add CBC Section J103.3 Permit issuance

53. Add CBC Section J103.4 Grading fees

54. Add CBC Section J104.2.1 Grading Designation

55. Add CBC Section J104.2.2 Regular grading requirements

56. Add CBC Section J104.2.3 Engineered grading requirements

57. Add CBC Section J109.5 Disposal

58. Add CBC Section J113.1 General

59. Add CBC Section J113.2 Storm water pollution prevention plan (SWPPP)

60. Add CBC Section J113.3 Wet weather erosion control plans (WWECP)
SECTION 2: Title 13, Chapter 1 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 1

BUILDING CODE

Section 13-1-1: ADOPTION OF CALIFORNIA BUILDING CODE, 2016 EDITION.

Pursuant to California Government Code Section 50022.2, the California Building Code, 2016 Edition, published at Title 24, Part 2, of the California Code of Regulations, including Appendices F, H, I, and J ("CBC") is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CBC, is on file in the office of the Building Official and is available for public inspection as required by law.

Section 13-1-2: AMENDMENTS TO THE CODE.

Section 105.1 of Chapter 1 of the CBC is amended to read as follows:

105.1 Permit Required.
Any owner or authorized agent who intends to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install, enlarge, alter, repair, remove, convert, or replace any electrical, gas, mechanical or plumbing system, the installation of which is regulated by this code, or to cause any such work to be done, shall first make application to the building official and obtain the required permit. Parking lots shall not be paved, improved, striped, or restriped unless a separate permit for each parking lot has first been obtained from the building official.

Exception: A separate permit shall not be required to pave, improve, stripe, or restripe a parking lot when such work is included in the scope of another project for which a building permit has been issued and when the design of such parking lot was included in the plan check review of such project.

Subsection 14 is added to § 105.2 of Chapter 1 of the CBC as follows:

105.2 Work exempt from permit.
Building:

14. Block wall and concrete fences not over 3 feet 6 inches high.
Section 105.3.2 of Chapter 1 of the CBC is amended to read as follows:

105.3.2 Expiration of Plan Check.
An application for a permit for any proposed work is deemed abandoned 12 months after the application date. Unless otherwise provided, after expiration of the application, the City will not issue a permit until the plans are rechecked and approved and a new fee is paid.

Exception: The Building Official may grant extensions of time for additional periods not exceeding 90 days each if a permit applicant submits in writing sufficient evidence that unusual conditions or circumstances precluded the securing of the permit within the allocated time.

Section 105.5 of Chapter 1 of the CBC is amended to read as follows:

105.5 Expiration of Permits.
Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Work shall be considered suspended or abandoned if the building official determines that substantial work has not been performed within the time specified above. Substantial work shall be constructed to mean:

1.1 measurable work such as, but not limited to, the addition of footings, structural members, flooring, wall covering, etc.
2.1 The work mentioned in subsection 1 of this Section105.5 above must constitute 20% of the value of the work for which the permit was issued in any 180 day period for Group R, Division 3 occupancies and 10% for all other occupancies.

Before such work can be recommenced, a new permit shall be first obtained to do so, and the fee therefore shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work, and provided further that such suspension or abandonment has not exceeded one year. In order to renew action on a permit after expiration, the permittee shall pay a new permit fee and may be required to comply with all applicable new regulations at the time of issuance. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated. Except as otherwise provided, every permit issued by the City is valid for a period of three (3) years.
**Exception:** The Building Official may grant extensions of time if a permit applicant submits in writing sufficient evidence that unusual conditions or circumstances precluded from the work being completed. An extension of time may require conditions of approval and additional fees.

Section 105.8 Chapter 1 of the CBC is added to read as follows:

**105.8 Responsibility of permittee.**
Building permits shall be presumed by the city to incorporate all of the work that the applicant, the applicant's agent, employees and/or contractors shall carry out. Said proposed work shall be in accordance with the approved plans and with all requirements of this code and any other laws or regulations applicable thereto. No city approval shall relieve or exonerate any person from the responsibility of complying with the provisions of this code nor shall any vested rights be created for any work performed in violation of this code.

Section 109.4 of Chapter 1 of the CBC is amended to read as follows:

**109.4 Work commencing before permit issuance.**
Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits shall be subject to a fee in addition to the normally established permit fee, equal to 100% of such normally established permit fee, or as otherwise determined by the building official.

Section 109.6.1 of Chapter 1 of the CBC is added to read as follows:

**109.6.1 Plan check fees refund.**
No portion of the plan check fee shall be refunded unless plan review has not been performed, in which case 80 percent of the plan check fee shall be refunded upon written application for refund submitted by the person who made original payment of such fee and with the written consent of the owner of the real property on which the work was proposed to be done. The Building Official shall determine, in such official's discretion, whether an applicant is qualified to receive a refund. After 180 days have elapsed from the date of the submittal for plan check, no plan check fees shall be refunded. In the event subsequent application for plan check is made by a person who has received a refund, the full amount of all required fees shall be paid as elsewhere provided in this chapter.

Section 109.6.2 of Chapter 1 of the CBC is added to read as follows:

**109.6.2 Permit fees refund.**
In the event any person shall have obtained a building permit and no portion of the work or construction covered by such permit shall have commenced, nor any inspection performed by any City employee, and notice of abandonment has been received from the owner of the real property on which such work would have been performed, the permittee, upon presentation to the Building Official of a written request for refund, shall be entitled to a refund in an amount equal to 80 percent of the building permit fee actually paid for such permit. The Building Official shall determine, in such official's discretion, whether an applicant is qualified to receive a refund. After 180 days have elapsed from the date of the issuance of the permit, no permit fees shall be refunded. In the event subsequent application for a permit is made by a person who has received a refund, the full amount of all required fees shall be paid as elsewhere provided in this chapter.

**Exception:**
1. If a permit has been issued for a project located in an area outside the jurisdiction of the City, 100 percent of the permit and plan checking fee may be refunded.

2. If a duplicate permit has been erroneously issued, 100 percent of the duplicated permit and plan checking fee may be refunded.

Section 109.7 of Chapter 1 of the CBC is added to read as follows:

**109.7 Re-inspections.**
A re-inspection fee in the amount set by City Council resolution may be assessed for each inspection or re-inspection when such portion of work for which inspection is called is incomplete or when required corrections are not made. This section is not to be interpreted as requiring re-inspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or re-inspection. Re-inspection fees may be assessed when the inspection record card is not posted or otherwise available on the work site, the approved plans are not readily available to the inspector, for failure to provide access on the date for which inspection is requested, or for deviating from plans requiring the approval of the building official. In instances where re-inspection fees have been assessed, no additional inspection of the work will be performed until required fees have been paid.

Section 110.1.1 of Chapter 1 of the CBC is added to read as follows:

**110.1.1 Setback Certification required.**
A California State licensed surveyor is required to certify the location and setbacks of all new construction prior to the first foundation inspection. A copy of the certification shall be available to the Building Division inspector for the job file prior to the first inspection.
Exception: Wherever there are practical difficulties involved in carrying out the provisions of this section, the Building Official shall have the authority to grant modifications for individual cases.

Section 113.3 of Chapter 1 of the CBC is amended to read as follows:

113.3 Board of Appeals.
The board of appeals consists of members of the Planning Commission. The term of a board of appeals member will coincide with the term of service as a Planning Commissioner and will terminate should the member cease serving as a Planning Commissioner. The building official is the secretary to the board. The board may adopt reasonable rules and regulations for conducting its investigations and will render all its decisions and findings on contested matters, in writing to the building official, with a duplicate copy for any appellant or contestant affected by such decision or finding, and may recommend to the city council appropriate new legislation.

Three members of the board constitute a quorum. The Planning Chairperson is the board's chairperson and in the chairperson's absence the board will select a temporary chairperson.

The city will assess a $250.00 charge, or a higher amount set by resolution, at the time that an appellant file appeal of any order, decisions, or determination made by the building official relative to the application and interpretation of this code. The filing fee is refundable should the appellant prevail in a decision by the board. The appeal must be taken by filing a written notice of appeal, in letterform, to the board of appeals. The board's decision constitutes the city's final decision.

Section 113.4 of Chapter 1 of the CBC is added to read as follows:

113.4 Access Board of Appeals.
A. There shall be a Disability Access Board of Appeals ("Access Board of Appeals") to consist of five members. Each member shall be appointed and hold office in accordance with procedures established by resolution of the City Council. Three of the five members shall be members of the Building Board of Appeals, and shall be co-appointed by the City Council to be a member of the Building Board of Appeals and the Access Board of Appeals. Two of the five members shall be "physically handicapped persons" (as defined by California Health and Safety Code Section 19957.5).

B. The Access Board of Appeals shall be considered a "standing committee" with a continuing subject matter jurisdiction. Thus, the Access
Board of Appeals shall be subject to the requirements of the Brown Act (California Government Code Section 54950 et seq.); however, the Access Board of Appeals shall have no regular meetings, and all meetings shall be special meetings noticed pursuant to California Government Code Section 54956. The Access Board of Appeals shall conduct its meetings in accordance with procedures established by resolution of the City Council. The Access Board of Appeals may establish its own rules of procedure or by-laws consistent with City Council resolutions and ordinances.

C. Any person aggrieved by a determination made by the Building Official or Fire Code Official in administering or enforcing the portions of this chapter related to access to “public accommodations or facilities” (pursuant to California Health and Safety Code Section 19955, et seq.) may appeal the determination to the Access Board of Appeals. The appeal shall be filed with the Building Official no later than 10 days after receipt of written notice of the determination and the appeal provisions of this section. Upon receipt of an appeal by the Building Official, a hearing shall be scheduled before the Access Board of Appeals. The Access Board of Appeals shall consider relevant evidence presented at the hearing, and shall render a final written decision within a reasonably prompt time after conducting the hearing. The authority of the Access Board of Appeals to render a written decision shall be limited to the scope of authority of the Building Official, and the Access Board of Appeals shall have no authority to waive a requirement of this chapter.

D. Any person aggrieved by a decision of the Access Board of Appeals may request an administrative hearing within 10 days of the issuance of the final written decision. Any such request shall be made and heard in the same manner as an administrative hearing related to an administrative citation, in accordance with City of El Segundo Municipal Code.

E. Failure to timely request an appeal to the Access Board of Appeals (pursuant to subsection C), or to an administrative hearing officer (pursuant to subsection D) constitutes a waiver of the hearing and a failure to exhaust administrative remedies.

F. Unless otherwise designated by the City Manager, the Building Official shall be the principal city staff liaison to the Access Board of Appeals, and the Building Official shall appoint a secretary to the Access Board of Appeals to comply with all procedural requirements related to the Brown Act.

G. The Building Official may request a special meeting of the Access Board of Appeals in order to request advisory comments from the Access Board of Appeals regarding issues related to this chapter, such as the
potential adoption of new codes, proposed code changes, or alternate methods and materials.

Section 1207.6 is added to Chapter 12 of the 2016 Edition of the California Building Code to read as follows:

1207.6: RESIDENTIAL NOISE INSULATION STANDARDS (Airport Noise Sources)

1207.6.01 Noise Insulation Requirements for New Construction.

1207.6.02 Purpose and Scope. The purpose of this section is to establish minimum noise insulation performance standards for new residential dwelling units and additions of habitable rooms to existing residential dwelling units to protect public health, safety, and welfare from the effects of excessive noise, including without limitation, indoor quality of life, speech interference, and sleep disruption.

1207.6.03 Applicability. This section applies to all newly constructed residences and habitable room additions to existing residences.

1207.6.04 Definitions. For purposes of this section, the following words must have the following meaning:

"Community Noise Equivalent Level (CNEL)" means the noise measure defined in 21 Code of California Regulations § 5001(d), and any successor regulation or amendment.

"Habitable Room" means a room that is a space in a structure for living, sleeping, eating, or cooking. Bathrooms, toilet compartments, closets, halls, storage or utility space, garages, and similar areas are not considered habitable space.

"LAX" means Los Angeles International Airport.

"Noise Impact Boundary for LAX" means the area around LAX as defined in 21 California code of regulations § 5001(1), and any successor regulation or amendment. The city's building safety department must at all times maintain a current map of the noise impact boundary. The latest published map by LAWA located at the Building Safety Counter shall be used as the basis for determination.

"Residence" means any occupancy group R building as used in El Segundo title 13 of the El Segundo municipal code.
1207.6.05: Standards.
Any new residence or addition of one or more habitable rooms to an existing residence that is within the noise impact boundary for LAX must be designed to ensure that internal noise levels due to LAX do not exceed 45 dB CNEL. This standard may be satisfied in two ways: (1) by performing the acoustical analysis described in section 1207.6.06, below, or (2) by employing the prescribed construction methods described in section 1207.6.07, below.

1207.6.06: Acoustical Analysis.
A building permit application for a new residence or addition of one or more habitable rooms to an existing residence must comply with the minimum noise insulation performance standards established in this section if it includes an acoustical analysis demonstrating that the proposed design will ensure that internal noise levels due to LAX aircraft noise will not exceed 45 dB CNEL. The acoustical analysis shall be proven to meet the standard by providing post-construction/pre-occupancy acoustic measurement to verify compliance with the 45 dB CNEL standard. The Building Official has the discretion to implement policies that meet the intent of this code section.

A. The acoustical analysis must be prepared by a person experienced in the field of acoustical engineering. The analysis must consider and include: the topographical relationship between LAX aircraft noise sources and the dwelling site, the characteristics of those noise sources, predicted noise spectra and levels at the exterior of the dwelling site, the basis for this prediction (measured or obtained from published data), the noise insulation measures to be employed, and the effectiveness of the proposed noise insulation measures.

B. If the interior allowable noise levels are to be met by requiring that windows be unopenable or closed, the design for the structure must also specify a ventilation or air-conditioning system to provide a habitable interior environment, having at least 2 air exchanges per hour for the affected rooms. The ventilation system must not compromise the interior room noise reduction.

1207.6.07 Prescribed Construction Methods.
A building permit application for a new residence or addition of one or more habitable rooms to an existing residence must comply with the minimum noise insulation performance standards established in this section if the design incorporates the following construction methods.

Construction Methods in the 70 dB CNEL and Greater Noise Zone

1207.6.08 Exterior Walls.

New walls that form the exterior portion of habitable rooms must be constructed as follows:
A. Studs must be at least 4 inches in nominal depth.

B. Exterior finish must be stucco, minimum \(7/8\)-inch thickness, brick veneer, masonry, or any siding material allowed by this code. Wood or metal siding must be installed over \(1/2\)-inch minimum solid sheathing.

C. Masonry walls with a surface weight of less than 40 pounds per square foot must require an interior supporting stud-wall that is finished with at least \(5/8\)-inch thick gypsum wall board or plaster.

D. Wall insulation must be at least R-11 glass fiber or mineral wool and must be installed continuously throughout the stud space.

E. Exterior solid sheathing must be covered with overlapping asphalt felt.

F. Interior wall finish must be at least \(5/8\)-inch thick gypsum wall board or plaster.

1207.6.09 Exterior Windows.
A. Openable Windows: All openable windows in the exterior walls of habitable rooms must have a laboratory sound transmission class rating of at least STC 40 dB and must have an air infiltration rate of no more than 0.5 cubic feet per minute when tested according to ASTM E-283.

B. Fixed Windows: All fixed windows in the exterior walls of habitable rooms must:

1. Have a sound transmission class rating of at least STC 40 dB, or

2. Must be \(5/8\)-inch laminated glass with STC rating of 40 dB and must be set in non-hardening glazing materials, or

3. Must be glass block at least 3\(1/2\) inches thick.

C. The total areas of glazing in rooms used for sleeping must not exceed 20% of the wall area.

1207.6.10 Exterior Doors.
A. Exterior hinged doors to habitable rooms that are directly exposed to aircraft noise and are facing the source of the noise must be a door and edge seal assembly that has a laboratory sound transmission class of at least STC 40 dB.

B. Exterior hinged doors to habitable rooms that are not directly exposed to aircraft noise and do not face the source of the noise must have a minimum STC rating of 35 dB.
C. Sliding glass doors in habitable rooms must not be allowed in walls that are directly exposed to aircraft noise. Sliding glass doors in walls that are not directly exposed must have an STC rating of at least 40 dB.

D. Access doors from attached garage to the interior of a residence must have an STC rating of at least 30 dB.

1207.6.11 Roof/Ceiling Construction.
A. Roof rafters must have a minimum slope of 4:12 and must be covered on their top surface with minimum 1/2-inch solid sheathing and any roof covering allowed by this code.

B. Attic insulation must be batt or blow-in glass fiber or mineral wool with a minimum R-30 rating applied between the ceiling joists.

C. Attic ventilation must be:

1. Gable vents or vents that penetrate the roof surface that are fitted with transfer ducts at least 6 feet in length that are insulating flexible ducting or metal ducts containing internal 1-inch thick coated fiberglass sound absorbing duct liner. Each duct must have a lined 90-degree bend in the duct so that there is no direct line of sight from the exterior through the duct into the attic, or

2. Noise control louver vents, or

3. Eave vents that are located under the eave overhang.

4. Ceilings must be finished with gypsum board or plaster that is at least 5/8-inch thick. Ceiling materials must be mounted on resilient channels.

5. Skylights must penetrate the ceiling by means of a completely enclosed light well that extends from the roof opening to the ceiling opening. A secondary openable glazing panel must be mounted at the ceiling line or at any point that provides at least a 4-inch space between the skylight glazing and the secondary glazing and must be glazed with at least 3/16-inch plastic or laminated glass. The weather-side skylight must be any type that is permitted by the building code. The size of skylights must be no more than 20 percent of the roof area of the room.

1207.6.12 Ventilation.

A. A ventilation system must be provided that will provide at least the minimum air circulation and fresh air supply requirements of this code in
each habitable room without opening any window, door or other opening to the exterior. All concealed ductwork must be insulated flexible glass fiber ducting that is at least 10 feet long between any two points of connection.

B. Kitchen cooktop vent hoods must be the non-ducted recirculating type with no ducted connection to the exterior.

1207.6.13 Fireplaces.
Each fireplace must be fitted with a damper at the top of the chimney that is operated from the firebox and must have glass doors across the front of the firebox.

1207.6.14 Wall And Ceiling Openings.
Openings in the shell of the residence that degrade its ability to achieve an interior CNEL rating of 45 dB or less when all doors and windows are closed are prohibited unless access panels, pet doors, mail delivery drops, air-conditioning, or other openings are designed to maintain the 45 dB CNEL (or less) standard in the room to which they provide access.

Construction Methods In The 65 dB CNEL To 70 dB CNEL Noise Zone

1207.6.15 Exterior Walls.
New walls that form the exterior portion of habitable rooms must be constructed as follows:

A. Studs must be at least 4 inches in nominal depth.

B. Exterior finish must be stucco, minimum 7/8-inch thickness, brick veneer, masonry, or any siding material allowed by this code. Wood or metal siding must be installed over 3/2-inch solid sheathing.

C. Masonry walls with a surface weight of less than 40 pounds per square foot will require an interior studwall that is finished with at least 5/8-inch thick gypsum wallboard or plaster.

D. Wall insulation must be at least R-11 glass fiber or mineral wool and must be installed continuously throughout the stud space.

E. Exterior solid sheathing must be covered with overlapping asphalt felt.

F. Interior wall finish must be at least 5/8-inch thick gypsum wallboard or plaster.
1207.6.16 Exterior Windows.

A. Openable Windows: All openable windows in the exterior walls of habitable rooms must have a laboratory sound transmission class rating of at least STC 35 dB and must have an air infiltration rate of no more than 0.5 cubic feet per minute when tested according to ASTM E-283.

B. Fixed Windows: All fixed windows in the exterior walls of habitable rooms must be at least 1/4-inch thick and must be set in non-hardening glazing materials.

C. The total area of glazing in rooms used for sleeping must not exceed 20% of the floor area.

1207.6.17 Exterior Doors.

A. Exterior hinged doors to habitable rooms that are directly exposed to aircraft noise and are facing the source of the noise must be a door and edge seal assembly that has a laboratory sound transmission class of at least STC 35 dB.

B. Exterior hinged doors to habitable rooms that are not directly exposed to aircraft noise and do not face the source of the noise must have a minimum STC rating of 30 dB.

C. Sliding glass doors in habitable rooms must have glass that is 1/4-inch thick.

D. Access doors from a garage to a habitable room must have an STC rating of at least 30 dB.

1207.6.18 Roof/Ceiling Construction.

A. Roof rafters must have a minimum slope of 4:12 and must be covered on their top surface with minimum 1/2-inch solid sheathing and any roof covering allowed by this code.

B. Attic insulation must be batt or blow-in glass fiber or mineral wool with a minimum R-30 rating applied between the ceiling joists.

C. Attic ventilation must be:

1. Gable vents or vents that penetrate the roof surface that are fitted with transfer ducts at least 6 feet in length that are insulating flexible ducting or metal ducts containing internal 1-inch thick coated fiberglass sound absorbing duct liner. Each duct must have
a lined 90-degree bend in the duct so that there is no direct line of
sight from the exterior through the duct into the attic, or

2. Noise control louver vents, or

3. Eave vents that are located under the eave overhang.

D. Ceilings must be finished with gypsum board or plaster that is at least
5/8-inch thick.

E. Skylights must penetrate the ceiling by means of a completely enclosed
light well that extends from the roof opening to the ceiling opening. A
secondary openable glazing panel must be mounted at the ceiling line and
must be glazed with at least 3/16-inch plastic, tempered or laminated glass.
The weather-side skylight must be any type that is permitted by the
building code.

1207.6.19 Floors.
The floor of the lowest habitable rooms must be concrete slab on grade or wood
framed floors.

1207.6.20 Ventilation.
A. A ventilation system must be provided that will provide at least the
minimum air circulation and fresh air supply requirements of at least 2 air
exchanges in each affected habitable room without opening any window,
door or other opening to the exterior. All concealed ductwork must be
insulated flexible glass fiber ducting that is at least 10 feet long between
any two points of connection.

B. Kitchen cooktop vent hoods must be the non-ducted recirculating type
with no ducted connection to the exterior.

1207.6.21 Fireplaces.
Each fireplace must be fitted with a damper at the top of the chimney that is
operated from the firebox and must have glass doors across the front of the
firebox.

1207.6.22 Wall and Ceiling Openings.
Openings in the shell of the residence that degrade its ability to achieve an
interior CNEL rating of 45 dB or less when all doors and windows are closed are
prohibited. Any access panels, pet doors, mail delivery drops, air-conditioning, or
other openings must be designed to maintain the 45 dB CNEL or less standard in
the room to which they provide access.

Section 1507.3.1 of the 2016 CBC is amended to read as follows:
**1507.3.1 Deck requirements.**
Concrete and clay tile shall be installed only over solid-structural sheathing boards.

Section 1613.5.2 is added to Chapter 16 of the 2016 CBC to read as follows:

**1613.5.2 Structural Separation.**
Modify ASCE 7 Section 12.12.3 Equation 12.12-1 as follows:

\[ \delta_M = \frac{C_d \delta_{\text{max}}}{f_{\text{L}}^\text{L}} \]  

(12-12-1)

Section 1613.5.3 is added to Chapter 16 of the 2016 CBC to read as follows:

**1613.5.3 Values for Vertical Combinations.**
Modify ASCE 7 Section 12.2.3.1 Exception 3 as follows:

3. Detached one- and two-family dwellings up to two stories in height of light frame construction.

Section 1613.5.4 is added to Chapter 16 of the 2016 CBC to read as follows:

**1613.5.4 Wood Diaphragms.**
Modify ASCE 7 Section 12.11.2.2.3 as follows:

**12.11.2.2.3 Wood Diaphragms.**
In wood diaphragms, the continuous ties shall be in addition to the diaphragm sheathing. Anchorage shall not be accomplished by use of toe nails or nails subject to withdrawal nor shall wood ledgers or framing be used in cross-grain bending or cross-grain tension. The diaphragm sheathing shall not be considered effective as providing ties or struts required by this section.

For structures assigned to Seismic Design Category D, E or F, wood diaphragms supporting concrete or masonry walls shall comply with the following:

1. The spacing of continuous ties shall not exceed 40 feet. Added chords of diaphragms may be used to form subdiaphragms to transmit the anchorage forces to the main continuous crossties.

2. The maximum diaphragm shear used to determine the depth of the subdiaphragm shall not exceed 75% of the maximum diaphragm shear.
Section 1613.5.5 is added to Chapter 16 of the 2016 CBC to read as follows:

1613.5.5 Maximum \( S_{DS} \) Value in Determination of \( C_s \) and \( E_v \).
Modify ASCE 7 Section 12.8.1.3 as follows:

12.8.1.3 Maximum \( S_{DS} \) Value in Determination of \( C_s \) and \( E_v \).
The value of \( C_s \) and \( E_v \) are permitted to be calculated using a value of \( S_{DS} \) equal to 1.0 but not less than 70% of \( S_{DS} \) as defined in Section 11.4.4, provided that all of the following criteria are met:

1. The structure does not have irregularities, as defined in Section 12.3.2;
2. The structure does not exceed five stories above the lower of the base or grade plane as defined in Section 11.2, and, where present, each mezzanine level shall be considered a story for the purpose of this limit;
3. The structure has a fundamental period, \( T \), that does not exceed 0.5 seconds, as determined using Section 12.8.2;
4. The structure meets the requirements necessary for the redundancy factor, \( p \), to be permitted to be taken as 1.0, in accordance with Section 12.3.4.2;
5. The site soil properties are not classified as Site Classes E or F, as defined in Section 11.4.2; and
6. The structure is classified as Risk Category I or II, as defined in Section 1.5.1. Section 1613.7 is added to Chapter 16 of the 2016 CBC to read as follows:

1613.7 Seismic Design Provisions for Hillside Buildings.

1613.7.1 Purpose.
The purpose of this section is to establish minimum regulations for the design and construction of new buildings and additions to existing buildings when constructing such buildings on or into slopes steeper than one unit vertical in three units horizontal (33.3%). These regulations establish minimum standards for seismic force resistance to reduce the risk of injury or loss of life in the event of earthquakes.

1613.7.2 Scope.
The provisions of this section shall apply to the design of the lateral-force-resisting system for hillside buildings at and below the base level diaphragm. The design of the lateral-force-resisting system above the base level diaphragm shall be in accordance with the provisions for seismic and wind design as required elsewhere in this division.

Exception: Non-habitable accessory buildings and decks not supporting or supported from the main building are exempt from these regulations.
1613.7.3 Definitions.
For the purposes of this section certain terms are defined as follows:

BASE LEVEL DIAPHRAGM is the floor at, or closest to, the top of the highest level of the foundation.

DIAPHRAGM ANCHORS are assemblies that connect a diaphragm to the adjacent foundation at the uphill diaphragm edge.

DOWNHILL DIRECTION is the descending direction of the slope approximately perpendicular to the slope contours.

FOUNDATION is concrete or masonry which supports a building, including footings, stem walls, retaining walls, and grade beams.

FOUNDATION EXTENDING IN THE DOWNHILL DIRECTION is a foundation running downhill and approximately perpendicular to the uphill foundation.

HILLSIDE BUILDING is any building or portion thereof constructed on or into a slope steeper than one unit vertical in three units horizontal (33.3%). If only a portion of the building is supported on or into the slope, these regulations apply to the entire building.

PRIMARY ANCHORS are diaphragm anchors designed for and providing a direct connection as described in Sections 1613.7.5 and 1613.7.7.3 between the diaphragm and the uphill foundation.

SECONDARY ANCHORS are diaphragm anchors designed for and providing a redundant diaphragm to foundation connection, as described in Sections 1613.7.6 and 1613.7.7.4.

UPHILL DIAPHRAGM EDGE is the edge of the diaphragm adjacent and closest to the highest ground level at the perimeter of the diaphragm.

UPHILL FOUNDATION is the foundation parallel and closest to the uphill diaphragm edge.

1613.7.4 Analysis and Design.

1613.7.4.1 General.
Every hillside building within the scope of this section shall be analyzed, designed, and constructed in accordance with the provisions of this division. When the code-prescribed wind design produces greater effects, the wind design shall govern, but detailing requirements and limitations prescribed in this and referenced sections shall be followed.
1613.7.4.2 Base Level Diaphragm-Downhill Direction.
The following provisions shall apply to the seismic analysis and design of the connections for the base level diaphragm in the downhill direction.

1613.7.4.2.1 Base for Lateral Force Design Defined.
For seismic forces acting in the downhill direction, the base of the building shall be the floor at or closest to the top of the highest level of the foundation.

1613.7.4.2.2 Base Shear.
In developing the base shear for seismic design, the response modification coefficient (R) shall not exceed 5 for bearing wall and building frame systems. The total base shear shall include the forces tributary to the base level diaphragm including forces from the base level diaphragm.

1613.7.5 Base Shear Resistance-Primary Anchors.

1613.7.5.1 General.
The base shear in the downhill direction shall be resisted through primary anchors from diaphragm struts provided in the base level diaphragm to the foundation.

1613.7.5.2 Location of Primary Anchors.
A primary anchor and diaphragm strut shall be provided in line with each foundation extending in the downhill direction. Primary anchors and diaphragm struts shall also be provided where interior vertical lateral-force-resisting elements occur above and in contact with the base level diaphragm. The spacing of primary anchors and diaphragm struts or collectors shall in no case exceed 30 feet (9144 mm).

1613.7.5.3 Design of Primary Anchors and Diaphragm Struts.
Primary anchors and diaphragm struts shall be designed in accordance with the requirements of Section 1613.7.8.

1613.7.5.4 Limitations.
The following lateral-force-resisting elements shall not be designed to resist seismic forces below the base level diaphragm in the downhill direction:

1. Wood structural panel wall sheathing,
2. Cement plaster and lath,
3. Gypsum wallboard, and
4. Tension only braced frames.
Braced frames designed in accordance with the requirements of Section 2205.2.1.2 may be used to transfer forces from the primary anchors and diaphragm struts to the foundation provided lateral forces do not induce flexural stresses in any member of the frame or in the diaphragm struts. Deflections of frames shall account for the variation in slope of diagonal members when the frame is not rectangular.

1613.7.6 Base Shear Resistance-Secondary Anchors.

1613.7.6.1 General.
In addition to the primary anchors required by Section 1613.7.5, the base shear in the downhill direction shall be resisted through secondary anchors in the uphill foundation connected to diaphragm struts in the base level diaphragm.

   Exception: Secondary anchors are not required where foundations extending in the downhill direction spaced at not more than 30 feet (9144 mm) on center extend up to and are directly connected to the base level diaphragm for at least 70% of the diaphragm depth.

1613.7.6.2 Secondary Anchor Capacity and Spacing.
Secondary anchors at the base level diaphragm shall be designed for a minimum force equal to the base shear, including forces tributary to the base level diaphragm, but not less than 600 pounds per lineal foot (8.76 kN/m) based on Allowable Stress Design (ASD) levels. The secondary anchors shall be uniformly distributed along the uphill diaphragm edge and shall be spaced a maximum of 4 feet (1219 mm) on center.

1613.7.6.3 Design.
Secondary anchors and diaphragm struts shall be designed in accordance with Section 1613.7.8.

1613.7.7 Diaphragms below the Base Level-Downhill Direction.
The following provisions shall apply to the lateral analysis and design of the connections for all diaphragms below the base level diaphragm in the downhill direction.

1613.7.7.1 Diaphragm Defined.
Every floor level below the base level diaphragm shall be designed as a diaphragm.

1613.7.7.2 Design Force.
Each diaphragm below the base level diaphragm shall be designed for all tributary loads at that level using a minimum seismic force factor not less than the base shear coefficient.

1613.7.7.3 Design Force Resistance-Primary Anchors.
The design force described in Section 1613.7.7.2 shall be resisted through primary anchors from diaphragm struts provided in each diaphragm to the foundation. Primary anchors shall be provided and designed in accordance with the requirements and limitations of Section 1613.7.5.

1613.7.7.4 Design Force Resistance-Secondary Anchors.

1613.7.7.4.1 General.
In addition to the primary anchors required in Section 1613.7.7.3, the design force in the downhill direction shall be resisted through secondary anchors in the uphill foundation connected to diaphragm struts in each diaphragm below the base level.

Exception: Secondary anchors are not required where foundations extending in the downhill direction, spaced at not more than 30 feet (9144 mm) on center, extend up to and are directly connected to each diaphragm below the base level for at least 70% of the diaphragm depth.

1613.7.7.4.2 Secondary Anchor Capacity.
Secondary anchors at each diaphragm below the base level diaphragm shall be designed for a minimum force equal to the design force but not less than 300 pounds per lineal foot (4.38 kN/m) based on Allowable Stress Design (ASD) levels. The secondary anchors shall be uniformly distributed along the uphill diaphragm edge and shall be spaced a maximum of 4 feet (1219 mm) on center.

1613.7.7.4.3 Design.
Secondary anchors and diaphragm struts shall be designed in accordance with Section 1613.7.8.

1613.7.8 Primary and Secondary Anchorage and Diaphragm Strut Design.
Primary and secondary anchors and diaphragm struts shall be designed in accordance with the following provisions:

1. Fasteners. All bolted fasteners used to develop connections to wood members shall be provided with square plate washers at all bolt heads and nuts. Washers shall be minimum 0.229 inch by 3 inches by 3 inches (5.82 mm by 76 mm by 76 mm) in size. Nuts shall be tightened to finger tight plus one half (1/2) wrench turn prior to covering the framing.

2. Fastening. The diaphragm to foundation anchorage shall not be accomplished by the use of toenailing, nails subject to withdrawal, or wood in cross-grain bending or cross-grain tension.

3. Size of Wood Members. Wood diaphragm struts collectors, and other wood members connected to primary anchors shall not be less than
3 inch (76 mm) nominal width. The effects of eccentricity on wood members shall be evaluated as required per Item 9.

4. Design. Primary and secondary anchorage, including diaphragm struts, splices, and collectors shall be designed for 125% of the tributary force.

5. Allowable Stress Increase. The one-third allowable stress increase permitted under Section 1605.3.2 shall not be taken when the working (allowable) stress design method is used.

6. Steel Element of Structural Wall Anchorage System. The strength design forces for steel elements of the structural wall anchorage system, with the exception of anchor bolts and reinforcing steel, shall be increased by 1.4 times the forces otherwise required.

7. Primary Anchors. The load path for primary anchors and diaphragm struts shall be fully developed into the diaphragm and into the foundation. The foundation must be shown to be adequate to resist the concentrated loads from the primary anchors.

8. Secondary Anchors. The load path for secondary anchors and diaphragm struts shall be fully developed in the diaphragm but need not be developed beyond the connection to the foundation.

9. Symmetry. All lateral force foundation anchorage and diaphragm strut connections shall be symmetrical. Eccentric connections may be permitted when demonstrated by calculation or tests that all components of force have been provided for in the structural analysis or tests.

10. Wood Ledgers. Wood ledgers shall not be used to resist cross-grain bending or cross-grain tension.

1613.7.9 Lateral-Force-Resisting Elements Normal to the Downhill Direction.

1613.7.9.1 General.
In the direction normal to the downhill direction, lateral-force-resisting elements shall be designed in accordance with the requirements of this section.

1613.7.9.2 Base Shear.
In developing the base shear for seismic design, the response modification coefficient (R) shall not exceed 5 for bearing wall and building frame systems.

1613.7.9.3 Vertical Distribution of Seismic Forces. For seismic forces acting normal to the downhill direction the distribution of seismic forces over the height
of the building using Section 12.8.3 of ASCE 7 shall be determined using the height measured from the top of the lowest level of the building foundation.

1613.7.9.4 Drift Limitations.
The story drift below the base level diaphragm shall not exceed 0.007 times the story height at strength design force level. The total drift from the base level diaphragm to the top of the foundation shall not exceed 3/4 inch (19 mm). Where the story height or the height from the base level diaphragm to the top of the foundation varies because of a stepped footing or story offset, the height shall be measured from the average height of the top of the foundation. The story drift shall not be reduced by the effect of horizontal diaphragm stiffness.

1613.7.9.5 Distribution of Lateral Forces.

1613.7.9.5.1 General.
The design lateral force shall be distributed to lateral-force-resisting elements of varying heights in accordance with the stiffness of each individual element.

1613.7.9.5.2 Wood Structural Panel Sheathed Walls.
The stiffness of a stepped wood structural panel shear wall may be determined by dividing the wall into adjacent rectangular elements, subject to the same top of wall deflection. Deflections of shear walls may be estimated by AWC SDPWS Section 4.3.2. Sheathing and fastening requirements for the stiffest section shall be used for the entire wall. Each section of wall shall be anchored for shear and uplift at each step. The minimum horizontal length of a step shall be 8 feet (2438 mm) and the maximum vertical height of a step shall be 2 feet 8 inches (813 mm).

1613.7.9.5.3 Reinforced Concrete or Masonry Shear Walls.
Reinforced concrete or masonry shear walls shall have forces distributed in proportion to the rigidity of each section of the wall.

1613.7.9.6 Limitations.
The following lateral force-resisting-elements shall not be designed to resist lateral forces below the base level diaphragm in the direction normal to the downhill direction:

1. Cement plaster and lath,
2. Gypsum wallboard, and
3. Tension-only braced frames.

Braced frames designed in accordance with the requirements of Section 2205.2.1.2 of this Code may be designed as lateral-force-resisting elements in the direction normal to the downhill direction, provided lateral forces do not induce flexural stresses in any member of the frame. Deflections of frames shall
account for the variation in slope of diagonal members when the frame is not rectangular.

1613.7.10 Specific Design Provisions.

1613.7.10.1 Footings and Grade Beams.
All footings and grade beams shall comply with the following:

1. Grade beams shall extend at least 12 inches (305 mm) below the lowest adjacent grade and provide a minimum 24 inch (610 mm) distance horizontally from the bottom outside face of the grade beam to the face of the descending slope.

2. Continuous footings shall be reinforced with at least two No. 4 reinforcing bars at the top and two No. 4 reinforcing bars at the bottom.

3. All main footing and grade beam reinforcement steel shall be bent into the intersecting footing and fully developed around each corner and intersection.

4. All concrete stem walls shall extend from the foundation and reinforced as required for concrete or masonry walls.

1613.7.10.2 Protection against Decay and Termites.
All wood to earth separation shall comply with the following:

1. Where a footing or grade beam extends across a descending slope, the stem wall, grade beam, or footing shall extend up to a minimum 18 inches (457 mm) above the highest adjacent grade.

Exception: At paved garage and doorway entrances to the building, the stem wall need only extend to the finished concrete slab, provided the wood framing is protected with a moisture proof barrier.

2. Wood ledgers supporting a vertical load of more than 100 pounds per lineal foot (1.46 kN/m) based on Allowable Stress Design (ASD) levels and located within 48 inches (1219 mm) of adjacent grade are prohibited. Galvanized steel ledgers and anchor bolts, with or without wood nailers, or treated or decay resistant sill plates supported on a concrete or masonry seat, may be used.

1613.7.10.3 Sill Plates.
All sill plates and anchorage shall comply with the following:
1. All wood framed walls, including nonbearing walls, when resting on a footing, foundation, or grade beam stem wall, shall be supported on wood sill plates bearing on a level surface.

2. Power-driven fasteners shall not be used to anchor sill plates except at interior nonbearing walls not designed as shear walls.

1613.7.10.4 Column Base Plate Anchorage.
The base of isolated wood posts (not framed into a stud wall) supporting a vertical load of 4,000 pounds (17.8 kN) based on Allowable Stress Design (ASD) levels or more and the base plate for a steel column shall comply with the following:

1. When the post or column is supported on a pedestal extending above the top of a footing or grade beam, the pedestal shall be designed and reinforced as required for concrete or masonry columns. The pedestal shall be reinforced with a minimum of four No. 4 bars extending to the bottom of the footing or grade beam. The top of exterior pedestals shall be sloped for positive drainage.

2. The base plate anchor bolts or the embedded portion of the post base, and the vertical reinforcing bars for the pedestal, shall be confined with two No. 4 or three No. 3 ties within the top 5 inches (127 mm) of the concrete or masonry pedestal. The base plate anchor bolts shall be embedded a minimum of 20 bolt diameters into the concrete or masonry pedestal. The base plate anchor bolts and post bases shall be galvanized and each anchor bolt shall have at least 2 galvanized nuts above the base plate.

1613.7.10.5 Steel Beam to Column Supports.
All steel beam to column supports shall be positively braced in each direction. Steel beams shall have stiffener plates installed on each side of the beam web at the column. The stiffener plates shall be welded to each beam flange and the beam web. Each brace connection or structural member shall consist of at least two 5/8 inch (15.9 mm) diameter machine bolts.

Section 1613.8 is added to Chapter 16 of the 2016 CBC to read as follows:

1613.8 Suspended Ceilings.
Minimum design and installation standards for suspended ceilings shall be determined in accordance with the requirements of Section 2506.2.1 of this Code and this section.
1613.8.1 Scope.
This part contains special requirements for suspended ceilings and lighting systems. Provisions of Section 13.5.6 of ASCE 7 shall apply except as modified herein.

1613.8.2 General.
The suspended ceilings and lighting systems shall be limited to 6 feet (1828 mm) below the structural deck unless the lateral bracing is designed by a licensed engineer or architect.

1613.8.3 Sprinkler Heads.
All sprinkler heads (drops) except fire-resistance-rated floor/ceiling or roof/ceiling assemblies, shall be designed to allow for free movement of the sprinkler pipes with oversize rings, sleeves or adaptors through the ceiling tile. Sprinkler heads and other penetrations shall have a 2 inch (50mm) oversize ring, sleeve, or adapter through the ceiling tile to allow for free movement of at least 1 inch (25mm) in all horizontal directions. Alternatively, a swing joint that can accommodate 1 inch (25 mm) of ceiling movement in all horizontal directions is permitted to be provided at the top of the sprinkler head extension.

Sprinkler heads penetrating fire-resistance-rated floor/ceiling or roof/ceiling assemblies shall comply with Section 714 of this Code.

1613.8.4 Special Requirements for Means of Egress.
Suspended ceiling assemblies located along means of egress serving an occupant load of 30 or more shall comply with the following provisions.

1613.8.4.1 General.
Ceiling suspension systems shall be connected and braced with vertical hangers attached directly to the structural deck along the means of egress serving an occupant load of 30 or more and at lobbies accessory to Group A Occupancies. Spacing of vertical hangers shall not exceed 2 feet (610 mm) on center along the entire length of the suspended ceiling assembly located along the means of egress or at the lobby.

1613.8.4.2 Assembly Device.
All lay-in panels shall be secured to the suspension ceiling assembly with two hold-down clips minimum for each tile within a 4-foot (1219 mm) radius of the exit lights and exit signs.

1613.8.4.3 Emergency Systems.
Independent supports and braces shall be provided for light fixtures required for exit illumination. Power supply for exit illumination shall comply with the requirements of Section 1008.3 of this Code.
1613.8.4.4 Supports for Appendage.
Separate support from the structural deck shall be provided for all appendages such as light fixtures, air diffusers, exit signs, and similar elements.

Section 1704.6 of the 2016 CBC is amended to read as follows:

1704.6 Structural Observations.
Where required by the provisions of Section 1704.6.1 or 1704.6.2, the owner or the owner’s authorized agent shall employ a structural observer to perform structural observations. Structural observation does not include or waive the responsibility for the inspections in Section 110 or the special inspections in Section 1705 or other section of this code. The structural observer shall be one of the following individuals:

1. The registered design professional responsible for the structural design, or
2. A registered design professional designated by the registered design professional responsible for the structural design.

Prior to the commencement of observations, the structural observer shall submit to the building official a written statement identifying the frequency and extent of structural observations.

The owner or owner’s authorized agent shall coordinate and call a preconstruction meeting between the structural observer, contractors, affected subcontractors and special inspectors. The structural observer shall preside over the meeting. The purpose of the meeting shall be to identify the major structural elements and connections that affect the vertical and lateral load resisting systems of the structure and to review scheduling of the required observations. A record of the meeting shall be included in the report submitted to the Building Official.

Observed deficiencies shall be reported in writing to the owner or owner’s authorized agent, special inspector, contractor and the Building Official. Upon the form prescribed by the Building Official, the structural observer shall submit to the Building Official a written statement at each significant construction stage stating that the site visits have been made and identifying any reported deficiencies which, to the best of the structural observer’s knowledge, have not been resolved. A final report by the structural observer which states that all observed deficiencies have been resolved is required before acceptance of the work by the Building Official.

Section 1704.6.1 of the 2016 CBC is amended to read as follows:

1704.6.1 Structural observations for seismic resistance.
Structural observations shall be provided for those structures assigned to Seismic Design Category D, E or F, where one or more of the following conditions exist:

1. The structure is classified as Risk Category III or IV in accordance with Table 1604.5.

2. The height of the structure is greater than 75 feet (22860 mm) above the base.

3. The structure is classified as Risk Category I or II in accordance with Table 1604.5, and a lateral design is required for the structure or portion thereof.

**Exception:** One-story wood framed Group R-3 and Group U Occupancies less than 2,000 square feet in area, provided the adjacent grade is not steeper than 1 unit vertical in 10 units horizontal (10% sloped), assigned to Seismic Design Category D.

4. When so designated by the registered design professional responsible for the structural design.

5. When such observation is specifically required by the building official.

Section 1705.3 of the 2016 CBC is amended to read as follows:

**1705.3 Concrete Construction.**
The special inspections and tests for concrete construction shall be performed in accordance with this section and Table 1705.3.

**Exceptions:** Special inspections and tests shall not be required for:

1. Isolated spread concrete footings of buildings three stories or less above grade plane that are fully supported on earth or rock where the structural design of the footing is based on a specified compressive strength, f'c, no greater than 2,500 pounds per square inch (psi) (17.2 Mpa) regardless of the compressive strength specified in the construction documents or used in the footing construction.

2. Continuous concrete footings supporting walls of buildings three stories or less above grade plane that are fully supported on earth or rock where:
   
   2.1. The footings support walls of light-frame construction;

   2.2. The footings are designed in accordance with Table 1809.7; or
2.3. The structural design of the footing is based on a specified compressive strength, \( f_c \), no greater than 2,500 pounds per square inch (psi) (17.2 Mpa), regardless of the compressive strength specified in the construction documents or used in the footing construction.

3. Nonstructural concrete slabs supported directly on the ground, including prestressed slabs on grade, where the effective prestress in the concrete is less than 150 psi (1.03 Mpa).

3.1 Concrete patios, driveways and sidewalks, on grade.

Exception 3 of Section 1705.12 of the 2016 CBC is amended to read as follows:

**1705.12 Special inspections for seismic resistance.**

Special inspections for seismic resistance shall be required as specified in Sections 1705.12.1 through 1705.12.9, unless exempted by the exceptions of Section 1704.2.

**Exception:** The special inspections specified in Sections 1705.12.1 through 1705.12.9 are not required for structures designed and constructed in accordance with one of the following:

1. The structure consists of light-frame construction; the design spectral response acceleration at short periods, \( S_{DS} \), as determined in Section 1613.3.4, does not exceed 0.5; and the building height of the structure does not exceed 35 feet (10 668 mm)

2. The seismic force-resisting system of the structure consists of reinforced masonry or reinforced concrete; the design spectral response acceleration at short periods, \( S_{DS} \), as determined in Section 1613.3.4, does not exceed 0.5; and the building height of the structure does not exceed 25 feet (7620 mm)

3. The structure is a detached one- or two-family dwelling not exceeding two stories above grade plane, is not assigned to Seismic Design Category D, E or F and does not have any of the following horizontal or vertical irregularities in accordance with Section 12.3 of ASCE 7:

3.1 Torsional or extreme torsional irregularity.

3.2 Nonparallel systems irregularity.

3.3 Stiffness-soft story or stiffness-extreme soft story irregularity.

3.4 Discontinuity in lateral strength-weak story irregularity.
Section 1807.1.4 of the 2016 CBC is amended to read as follows:

**1807.1.4 Permanent wood foundation systems.**
Permanent wood foundation systems shall be designed and installed in accordance with AWC PWF. Lumber and plywood shall be treated in accordance with AWPA U1 (Commodity Specification A, Use Category 4B and Section 5.2) and shall be identified in accordance with Section 2303.1.9.1. Permanent wood foundation systems shall not be used for structures assigned to Seismic Design Category D, E or F.

Section 1807.1.6 of the 2016 CBC is amended to read as follows:

**1807.1.6 Prescriptive design of concrete and masonry foundation walls.**
Concrete and masonry foundation walls that are laterally supported at the top and bottom shall be permitted to be designed and constructed in accordance with this section. Prescriptive design of foundation walls shall not be used for structures assigned to Seismic Design Category D, E or F.

Section 1809.3 of the 2016 CBC is amended to read as follows:

**1809.3 Stepped footings.**
The top surface of footings shall be level. The bottom surface of footings shall be permitted to have a slope not exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footing or where the surface of the ground slopes more than one unit vertical in 10 units horizontal (10-percent slope).

For structures assigned to Seismic Design Category D, E or F, the stepping requirement shall also apply to the top surface of grade beams supporting walls. Footings shall be reinforced with four No. 4 bars. Two bars shall be place at the top and bottom of the footings as shown in Figure 1809.3.

---

**RECOMMEND:** $a > b$
$b \leq 10\%$

**MIN. 2-#4 REBAR (TOP & BOTTOM)**

**BOTTOM PLATE (TYP.)**

**GRADE**

**STEEPD FOUNDATIONS**

**FIGURE 1809.3 - STEEPED FOOTING**
Section 1809.7 and Table 1809.7 of the 2016 CBC are amended to read as follows:

1809.7 Prescriptive footings for light-frame construction.
Where a specific design is not provided, concrete or masonry-unit footings supporting walls of light-frame construction shall be permitted to be designed in accordance with Table 1809.7. Prescriptive footings in Table 1809.7 shall not exceed one story above grade plane for structures assigned to Seismic Design Category D, E or F.

TABLE 1809.7
PRESCRIPTIVE FOOTINGS SUPPORTING WALLS OF LIGHT-FRAME CONSTRUCTION a, b, c, d, e

<table>
<thead>
<tr>
<th>NUMBER OF FLOORS Supported by THE FOOTING f</th>
<th>WIDTH OF FOOTING (inches)</th>
<th>THICKNESS OF FOOTING (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>15</td>
<td>6</td>
</tr>
<tr>
<td>3</td>
<td>18</td>
<td>8 g</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm
a. Depth of footings shall be in accordance with Section 1809.4.
b. The ground under the floor shall be permitted to be excavated to the elevation of the top of the footing.
c. Not Adopted.
d. See Section 1908 for additional requirements for concrete footings of structures assigned to Seismic Design Category C, D, E or F.
e. For thickness of foundation walls, see Section 1807.1.6.
f. Footing shall be permitted to support a roof addition to the stipulated number of floors. Footings supporting roof only shall be as required for supporting one floor.
Section 1809.12 of the 2016 CBC is amended to read as follows:

1809.12 Timber footings.
Timber footings shall be permitted for buildings of Type V construction and as otherwise approved by the building official. Such footings shall be treated in accordance with AWPA U1 (Commodity Specification A, Use Category 4B). Treated timbers are not required where placed entirely below permanent water level, or where used as capping for wood piles that project above the water level over submerged or marsh lands. The compressive stresses perpendicular to grain in untreated timber footing supported upon treated piles shall not exceed 70 percent of the allowable stresses for the species and grade of timber as specified in the ANSI/AWC NDS. Timber footings shall not be used in structures assigned to Seismic Design Category D, E or F.

Section 1810.3.2.4 of the 2016 CBC is amended to read as follows:

1810.3.2.4 Timber.
Timber deep foundation elements shall be designed as piles or poles in accordance with ANSI/AWC NDS. Round timber elements shall conform to ASTM D 25. Sawn timber elements shall conform to DOC PS-20. Timber shall not be used in structures assigned to Seismic Design Category D, E or F.

Section 1905.1.7 of the 2016 CBC is amended to read as follows:

1905.1.7 ACI 318, Section 14.1.4.
Delete ACI 318, Section 14.1.4, and replace with the following:

14.1.4 – Plain concrete in structures assigned to Seismic Design Category C, D, E or F.

14.1.4.1 – Structures assigned to Seismic Design Category C, D, E or F shall not have elements of structural plain concrete, except as follows:

(a) Concrete used for fill with a minimum cement content of two (2) sacks of Portland cement or cementitious material per cubic yard.

(b) Isolated footings of plain concrete supporting pedestals or columns are permitted, provided the projection of the footing beyond the face of the supported member does not exceed the footing thickness.

(c) Plain concrete footings supporting walls are permitted provided the footings have at least two continuous longitudinal reinforcing bars. Bars shall not be smaller than No. 4 and shall have a total area of not less than 0.002 times the gross cross-sectional area of the footing. A minimum of one bar shall be provided
at the top and bottom of the footing. Continuity of reinforcement shall be provided at corners and intersections.

**Exceptions:**
Detached one- and two-family dwellings three stories or less in height and constructed with stud-bearing walls, are permitted to have plain concrete footings with at least two continuous longitudinal reinforcing bars not smaller than No. 4 are permitted to have a total area of less than 0.002 times the gross cross-sectional area of the footing.

Section 1905.1 is amended and Sections 1905.1.9 thru 1905.1.11 are added to Chapter 19 of the 2016 CBC to read as follows:

**1905.1 General.**
The text of ACI 318 shall be modified as indicated in Sections 1905.1.1 through 1905.1.11.

**1905.1.9 ACI 318, Section 18.7.5.**
Modify ACI 318, Section 18.7.5, by adding Section 18.7.5.7 and 18.7.5.8 as follows:

18.7.5.7 Where the calculated point of contraflexure is not within the middle half of the member clear height, provide transverse reinforcement as specified in ACI 318 Sections 18.7.5.1, Items (a) through (c), over the full height of the member.

18.7.5.8 – At any section where the design strength, \( \phi P_n \), of the column is less than the sum of the shears \( V_e \) computed in accordance with ACI 318 Sections 18.7.6.1 and 18.6.5.1 for all the beams framing into the column above the level under consideration, transverse reinforcement as specified in ACI 318 Sections 18.7.5.1 through 18.7.5.3 shall be provided. For beams framing into opposite sides of the column, the moment components are permitted to be assumed to be of opposite sign. For the determination of the design strength, \( \phi P_n \), of the column, these moments are permitted to be assumed to result from the deformation of the frame in any one principal axis.

**1905.1.10 ACI 318, Section 18.10.4.**
Modify ACI 318, Section 18.10.4, by adding Section 18.10.4.6 as follows:

18.10.4.6 – Walls and portions of walls with \( P_u > 0.35P_o \) shall not be considered to contribute to the calculated shear strength of the structure for resisting earthquake-induced forces. Such walls shall conform to the requirements of ACI 318 Section 18.14.

**1905.1.11 ACI 318, Section 18.12.6.**
Modify ACI 318, by adding Section 18.12.6.2 as follows:
18.12.6.2 Collector and boundary elements in topping slabs placed over precast floor and roof elements shall not be less than 3 inches (76 mm) or 6 \( d_b \) in thickness, where \( d_b \) is the diameter of the largest reinforcement in the topping slab.

Section 2304.10.1 of the 2016 CBC is amended to read as follows:

**2304.10.1 Fastener requirements.**
Connections for wood members shall be designed in accordance with the appropriate methodology in Section 2301.2. The number and size of fasteners connecting wood members shall not be less than that set forth in Table 2304.10.1. Staple fasteners in Table 2304.10.1 shall not be used to resist or transfer seismic forces in structures assigned to Seismic Design Category D, E or F.

**Exception:** Staples may be used to resist or transfer seismic forces when the allowable shear values are substantiated by cyclic testing and approved by the building official.

Section 2304.12.5 of the 2016 CBC is amended to read as follows:

**2304.12.5 Wood used in retaining walls and cribs.**
Wood installed in retaining or crib walls shall be preservative treated in accordance with AWPA U1 for soil and fresh water use. Wood shall not be used in retaining or crib walls for structures assigned to Seismic Design Category D, E or F.

Section 2305.4 is added to Chapter 23 of the 2016 CBC to read as follows:

**2305.4 Quality of Nails.**
In Seismic Design Category D, E or F, mechanically driven nails used in wood structural panel shear walls shall meet the same dimensions as that required for hand-driven nails, including diameter, minimum length and minimum head diameter. Clipped head or box nails are not permitted in new construction. The allowable design value for clipped head nails in existing construction may be taken at no more than the nail-head-area ratio of that of the same size hand-driven nails.

Section 2305.5 is added to Chapter 23 of the 2016 CBC to read as follows:

**2305.5 Hold-down connectors.**
In Seismic Design Category D, E or F, hold-down connectors shall be designed to resist shear wall overturning moments using approved cyclic load values or 75 percent of the allowable seismic load values that do not consider cyclic loading of the product. Connector bolts into wood framing shall require steel plate washers on the post on the opposite side of the anchorage device. Plate size shall be a minimum of 0.229 inch by 3 inches by 3 inches (5.82 mm by 76 mm by 76 mm) in size. Hold-down connectors shall be tightened to finger tight plus one half (1/2) wrench turn just prior to covering the wall framing.

Section 2306.2 of the 2016 CBC is amended to read as follows:

2306.2 Wood-frame diaphragms.
Wood-frame diaphragms shall be designed and constructed in accordance with AWC SDPWS. Where panels are fastened to framing members with staples, requirements and limitations of AWC SDPWS shall be met and the allowable shear values set forth in Table 2306.2(1) or 2306.2(2) shall only be permitted for structures assigned to Seismic Design Category A, B, or C.

Exception: Allowable shear values where panels are fastened to framing members with staples may be used if such values are substantiated by cyclic testing and approved by the building official.

The allowable shear values in Tables 2306.2(1) and 2306.2(2) are permitted to be increased 40 percent for wind design.

Wood structural panel diaphragms used to resist seismic forces in structures assigned to Seismic Design Category D, E or F shall be applied directly to the framing members.

Exception: Wood structural panel diaphragms are permitted to be fastened over solid lumber planking or laminated decking, provided the panel joints and lumber planking or laminated decking joints do not coincide.

Section 2306.3 of the 2016 CBC is amended to read as follows:

2306.3 Wood-frame shear walls.
Wood-frame shear walls shall be designed and constructed in accordance with AWC SDPWS. For structures assigned to Seismic Design Category D, E, or F, application of Tables 4.3A and 4.3B of AWC SDPWS shall include the following:

1. Wood structural panel thickness for shear walls shall not be less than 3/8 inch thick and studs shall not be spaced at more than 16 inches on center.
2. The maximum nominal unit shear capacities for 3/8 inch wood structural panels resisting seismic forces in structures assigned to Seismic Design Category D, E or F is 400 pounds per linear foot (plf).

   **Exception:** Other nominal unit shear capacities may be permitted if such values are substantiated by cyclic testing and approved by the building official.

3. Nails shall be placed not less than 1/2 inch in from the panel edges and not less than 3/8 inch from the edge of the connecting members for shear greater than 350 plf using ASD or 500 plf using LRFD. Nails shall be placed not less than 3/8 inch from panel edges and not less than 1/4 inch from the edge of the connecting members for shears of 350 plf or less using ASD or 500 plf or less using LRFD.

4. Table 4.3B application is not allowed for structures assigned to Seismic Design Category D, E, or F.

   For structures assigned to Seismic Design Category D, application of Table 4.3C of AWC SDPWS shall not be used below the top level in a multi-level building.

   Where panels are fastened to framing members with staples, requirements and limitations of AWC SDPWS shall be met and the allowable shear values set forth in Table 2306.3(1), 2306.3(2) or 2306.3(3) shall only be permitted for structures assigned to Seismic Design Category A, B, or C.

   **Exception:** Allowable shear values where panels are fastened to framing members with staples may be used if such values are substantiated by cyclic testing and approved by the building official.

   The allowable shear values in Tables 2306.3(1) and 2306.3(2) are permitted to be increased 40 percent for wind design. Panels complying with ANSI/APA PRP-210 shall be permitted to use design values for Plywood Siding in the AWC SDPWS.

Section 2307.2 is added to the 2016 CBC to read as follows:

**2307.2 Wood-frame shear walls.**
Wood-frame shear walls shall be designed and constructed in accordance with Section 2306.3 as applicable.
Table 2308.6.1 of the 2016 CBC is amended to read as follows:

<table>
<thead>
<tr>
<th>SEISMIC DESIGN CATEGORY</th>
<th>STORY CONDITION (SEE SECTION 2308.2)</th>
<th>MAXIMUM SPACING OF BRACED WALL LINES</th>
<th>BRACED PANEL LOCATION, SPACING (O.C.) AND MINIMUM PERCENTAGE (X)</th>
<th>MAXIMUM DISTANCE OF BRACED WALL PANELS FROM EACH END OF BRACED WALL LINE</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>35'-0&quot;</td>
<td>Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c.</td>
<td>12'-6&quot;</td>
</tr>
<tr>
<td>A and B</td>
<td></td>
<td>35'-0&quot;</td>
<td>Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c.</td>
<td>12'-6&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NP</td>
<td>Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c.</td>
<td>12'-6&quot;</td>
</tr>
<tr>
<td>C</td>
<td></td>
<td>35'-0&quot;</td>
<td>Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c.</td>
<td>12'-6&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>NP</td>
<td>Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c. Each end and ≤ 25'-0&quot; o.c.</td>
<td>12'-6&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>25'-0&quot;</td>
<td>$S_{50} &lt; 0.50$: Each end and ≤ 25'-0&quot; o.c. (minimum 21% of wall length)$ \notag$ $S_{50} &lt; 0.50$: Each end and ≤ 25'-0&quot; o.c. (minimum 43% of wall length)$ \notag$</td>
<td>$S_{50} &lt; 0.50$: Each end and ≤ 25'-0&quot; o.c. (minimum 21% of wall length)$ \notag$ $S_{50} &lt; 0.50$: Each end and ≤ 25'-0&quot; o.c. (minimum 43% of wall length)$ \notag$</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$0.5 \leq S_{50} &lt; 0.75$: Each end and ≤ 25'-0&quot; o.c. (minimum 32% of wall length)$ \notag$ $0.5 \leq S_{50} &lt; 0.75$: Each end and ≤ 25'-0&quot; o.c. (minimum 59% of wall length)$ \notag$</td>
<td>$0.5 \leq S_{50} &lt; 0.75$: Each end and ≤ 25'-0&quot; o.c. (minimum 32% of wall length)$ \notag$ $0.5 \leq S_{50} &lt; 0.75$: Each end and ≤ 25'-0&quot; o.c. (minimum 59% of wall length)$ \notag$</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$0.75 \leq S_{50} \leq 1.00$: Each end and ≤ 25'-0&quot; o.c. (minimum 37% of wall length)$ \notag$ $0.75 \leq S_{50} \leq 1.00$: Each end and ≤ 25'-0&quot; o.c. (minimum 75% of wall length)$ \notag$</td>
<td>$0.75 \leq S_{50} \leq 1.00$: Each end and ≤ 25'-0&quot; o.c. (minimum 37% of wall length)$ \notag$ $0.75 \leq S_{50} \leq 1.00$: Each end and ≤ 25'-0&quot; o.c. (minimum 75% of wall length)$ \notag$</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>$S_{50} &gt; 1.00$: Each end and ≤ 25'-0&quot; o.c. (minimum 48% of wall length)$ \notag$ $S_{50} &gt; 1.00$: Each end and ≤ 25'-0&quot; o.c. (minimum 100% of wall length)$ \notag$</td>
<td>$S_{50} &gt; 1.00$: Each end and ≤ 25'-0&quot; o.c. (minimum 48% of wall length)$ \notag$ $S_{50} &gt; 1.00$: Each end and ≤ 25'-0&quot; o.c. (minimum 100% of wall length)$ \notag$</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

NP = Not Permitted.

a. This table specifies minimum requirements for braced wall panels along interior or exterior braced wall lines.

b. See Section 2308.6.3 for full description of bracing methods.

c. For Method GB, gypsum wallboard applied to framing supports that are spaced at 16 inches on center.

d. The required lengths shall be doubled for gypsum board applied to only one face of a braced wall panel.

e. Percentage above represents the minimum amount of bracing required along the building length (or wall length if the structure has an irregular shape).

f. DWB, SFB, PBS, and HPS wall braces are not permitted in Seismic Design Categories D or E.

g. Minimum length of panel bracing of one face of the wall for WSP sheathing shall be at least 4'-0" long or both faces of the wall for GB or PCP sheathing shall be at least 6'-0" long. No ratio shall exceed 2:1. Wall framing to which sheathing is nailed or braced shall be nominal 2 inch wide (actual 1 1/2 inch (38 mm) or larger members and spaced a minimum of 16 inches on center. Braced wall panel construction types shall not be mixed within a braced wall line.

h. WSP sheathing shall be a minimum of 1/2" thick nailed with 6d common placed 3/8 inches from panel edges and spaced not more than 6 inches on center and 12 inches on center along intermediate framing members.
Section 2308.6.5, Figure 2308.6.5.1, and Figure 2308.6.5.2 of the 2016 CBC are amended to read as follows:

2308.6.5 Alternative bracing.
An alternate braced wall (ABW) or a portal frame with hold-downs (PFH) described in this section is permitted to substitute for a 48-inch (1219 mm) braced wall panel of Method DWB, WSP, SFB, PBS, PCP or HPS. For Method GB, each 96-inch (2438 mm) section (applied to one face) or 48-inch (1219 mm) section (applied to both faces) or portion thereof required by Table 2308.6.1 is permitted to be replaced by one panel constructed in accordance with Method ABW or PFH.

2308.6.5.1 Alternate braced wall (ABW).
An ABW shall be constructed in accordance with this section and Figure 2308.6.5.1. In one-story buildings, each panel shall have a length of not less than 2 feet 8 inches (813 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with 3/8-inch (3.2 mm) minimum-thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with Table 2304.10.1 and blocked at wood structural panel edges. For structures assigned to Seismic Design Category D or E, each panel shall be sheathed on one face with 15/32-inch-minimum-thickness (11.9 mm) wood structural panel sheathing nailed with 8d common nails spaced 3 inches on panel edges, 3 inches at intermediate supports. Two anchor bolts installed in accordance with Section 2308.3.1 shall be provided in each panel. Anchor bolts shall be placed at each panel outside quarter points. Each panel end stud shall have a hold-down device fastened to the foundation, capable of providing an approved uplift capacity of not less than 1,800 pounds (8006 N). The hold-down device shall be installed in accordance with the manufacturer’s recommendations. The ABW shall be supported directly on a foundation or on floor framing supported directly on a foundation that is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one No. 4 bar top and bottom. Where the continuous foundation is required to have a depth greater than 12 inches (305 mm), a minimum 12-inch by 12-inch (305 mm by 305 mm) continuous footing is permitted at door openings in the braced wall line. This continuous footing shall be reinforced with not less than one No. 4 bar top and bottom. This reinforcement shall be lapped 24 inches (610 mm) with the reinforcement required in the continuous foundation located directly under the braced wall line.

Where the ABW is installed at the first story of two-story buildings, the wood structural panel sheathing shall be provided on both faces, three anchor bolts shall be placed at one-quarter points and tie-down device uplift capacity shall be not less than 3,000 pounds (13 344 N).
2308.6.5.2 Portal frame with hold-downs (PFH).
A PFH shall be constructed in accordance with this section and Figure 2308.6.5.2. The adjacent door or window opening shall have a full-length header.

In one-story buildings, each panel shall have a length of not less than 16 inches (406 mm) and a height of not more than 10 feet (3048 mm). Each panel shall be sheathed on one face with a single layer of 3/8-inch (9.5 mm) minimum-thickness wood structural panel sheathing nailed with 8d common or galvanized box nails in accordance with Figure 2308.6.5.2. For structures assigned to Seismic Design Category D or E, each panel shall be sheathed on one face with 15/32-inch-minimum-thickness (11.9 mm) wood structural panel sheathing nailed with 8d common nails spaced 3 inches on panel edges, 3 inches at intermediate supports and in accordance with Figure 2308.6.5.2. The wood structural panel sheathing shall extend up over the solid sawn or glued-laminated header and shall be nailed in accordance with Figure 2308.6.5.2. A built-up header consisting of at least two 2-inch by 12-inch (51 mm by 305 mm) boards, fastened in accordance with Item 24 of Table 2304.10.1 shall be permitted to be used. A spacer, if used, shall be placed on the side of the built-up beam opposite the wood structural panel sheathing. The header shall extend between the inside faces of the first full-length outer studs of each panel. The clear span of the header between the inner studs of each panel shall be not less than 6 feet (1829 mm) and not more than 18 feet (5486 mm) in length. A strap with an uplift capacity of not less than 1,000 pounds (4,400 N) shall fasten the header to the inner studs opposite the sheathing. One anchor bolt not less than 5/8 inch (15.9 mm) diameter and installed in accordance with Section 2308.3.1 shall be provided in the center of each sill plate. The studs at each end of the panel shall have a hold-down device fastened to the foundation with an uplift capacity of not less than 3,500 pounds (15 570 N).
Where a panel is located on one side of the opening, the header shall extend between the inside face of the first full-length stud of the panel and the bearing studs at the other end of the opening. A strap with an uplift capacity of not less than 1,000 pounds (4400 N) shall fasten the header to the bearing studs. The bearing studs shall also have a hold-down device fastened to the foundation with an uplift capacity of not less than 1,000 pounds (4400 N). The hold-down devices shall be an embedded strap type, installed in accordance with the manufacturer's recommendations. The PFH panels shall be supported directly on a foundation that is continuous across the entire length of the braced wall line. This foundation shall be reinforced with not less than one No. 4 bar top and bottom. Where the continuous foundation is required to have a depth greater than 12 inches (305 mm), a minimum 12-inch by 12-inch (305 mm by 305 mm) continuous footing is permitted at door openings in the braced wall line. This continuous footing shall be reinforced with not less than one No. 4 bar top and bottom. This reinforcement shall be lapped not less than 24 inches (610 mm) with the reinforcement required in the continuous foundation located directly under the braced wall line.

Where a PFH is installed at the first story of two-story buildings, each panel shall have a length of not less than 24 inches (610 mm).

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 pound = 4.448 N.

a. For structures assigned to Seismic Design Category D or E, sheathed on one face with 15/32-inch minimum-thickness (11.5 mm) wood structural panel sheathing.

FIGURE 2308.6.5.2
PORTAL FRAME WITH HOLD-DOWNS (PFH)
Section 2308.6.8.1 of Chapter 23 of the 2016 CBC is amended to read as follows:

2308.6.8.1 Foundation requirements.
Braced wall lines shall be supported by continuous foundations.

Exception: For structures with a maximum plan dimension not more than 50 feet (15240 mm), continuous foundations are required at exterior walls only for structures assigned to Seismic Design Category A, B, or C.

For structures in Seismic Design Categories D and E, exterior braced wall panels shall be in the same plane vertically with the foundation or the portion of the structure containing the offset shall be designed in accordance with accepted engineering practice and Section 2308.1.1.

Section 2308.6.9 of the 2016 CBC is amended to read as follows:

2308.6.9 Attachment of sheathing.
Fastening of braced wall panel sheathing shall not be less than that prescribed in Tables 2308.6.1 or 2304.10.1. Wall sheathing shall not be attached to framing members by adhesives. Staple fasteners in Table 2304.10.1 shall not be used to resist or transfer seismic forces in structures assigned to Seismic Design Category D, E or F.

Exception: Staples may be used to resist or transfer seismic forces when the allowable shear values are substantiated by cyclic testing and approved by the building official.

All braced wall panels shall extend to the roof sheathing and shall be attached to parallel roof rafters or blocking above with framing clips (18 gauge minimum) spaced at maximum 24 inches (6096 mm) on center with four 8d nails per leg (total eight 8d nails per clip). Braced wall panels shall be laterally braced at each top corner and at maximum 24 inches (6096 mm) intervals along the top plate of discontinuous vertical framing.

Section J101.3 is added to the 2016 CBC to read as follows:

J101.3 Hazards.
1. Whenever the building official determines that any land or any existing excavation or fill has, from any cause, become a menace to life or limb, or endangers public or private property, or adversely affects the safety, use or stability of public or private property, the owner or other person in legal control of the property concerned shall, upon receipt of a written notice thereof from the building official, correct such condition in accordance with the provisions of this
appendix and the requirements and conditions set forth in the notice so as to eliminate such condition. The owner or other person in legal control of the property shall immediately comply with the provisions set forth in the notice and shall complete the work within 180 days from the date of the notice unless a shorter period of time for completion has been specified in the notice in which case the owner shall comply with the shorter period of time. Upon written application and good cause shown, the building official may approve the request for an extension of time to complete the work required by the notice.

2. If the above condition is not eliminated within the specified time period, the building official may file with the Office of the Los Angeles County Recorder a certificate stating that the property is deemed substandard and that the owner thereof has been so notified to correct the substandard condition. Said certificate shall specify the conditions creating the substandard classification.

3. When the above conditions have been corrected to the satisfaction of the building official, upon receiving a sixty-dollar fee from the owner or his agent, the building official shall file with the Office of the Los Angeles County Recorder, within a reasonable period of time, a certificate specifying that the conditions creating the substandard classification have been corrected and that the property is no longer considered substandard.

Section J101.4 is added to the 2016 CBC to read as follows:

**J101.4 Safety Precautions**

1. General

   a) If at any stage of work on an excavation or fill, the building official determines that the work has become or is likely to become dangerous to any person, or is likely to endanger any property, public or private, the building official must be authorized to require safety precautions to be immediately taken by the property owner as a condition to continuing such permitted work or to require cessation thereof forthwith unless and until it is made safe and to amend the plans for such work.

   b) Safety precautions may include, without limitation, specifying a flatter exposed slope or construction of additional drainage facilities, berms, terracing, compaction, cribbing, retaining walls or buttress fills, slough walls, desilting basins, check dams, benching, wire mesh and guniting, rock fences, revetments or diversion walls.

   c) Upon the determination of the building official that such safety precautions during grading are necessary, the building official must provide a notice and order to the permittee to implement same. After receiving such notice, oral or written, it is unlawful for the permittee or any person to proceed with such work contrary to such order.
2. Removal of Ground Cover
   a) The existing vegetative ground cover of any watershed in any hillside area cannot be destroyed, removed or damaged except for routine maintenance pursuant to lawful grading, use or occupancy of the property or to clear hazardous vegetation near structures and roads.
   b) Whenever ground cover is removed or damaged pursuant to a validly issued grading permit, the permittee must restore and maintain the affected area with an approved ground cover, or must accomplish such other erosion control protection measures as may be approved by the building official. Such erosion control must be completed within thirty days after cessation of the grading work or other work pursuant to a validly issued building permit.

3. Maintenance of Protective Devices
   All devices used to protect hillside areas from erosion or landslide damage including, without limitation, retaining walls, cribbing, terracing, surface and subsurface drainage structures, interceptor drains, check dams, and riprap must be maintained in good condition and repair as approved by the building official at the time of completion of construction thereof.

Section J101.5 is added to the 2016 CBC to read as follows:

**J101.5 Protection of Utilities**
The owner and permittee of any property on which grading has been performed and that requires a grading permit must be responsible for the prevention of damage to any public utilities or services.

Section J101.6 is added to the 2016 CBC to read as follows:

**J 101.6 Protection of Adjacent Properties**
The owner and permittee of any property on which grading has been performed and that requires a grading permit is responsible for the prevention of damage to adjacent property and no person must excavate on land sufficiently close to the property line to endanger any adjoining public street, sidewalk, alley, or other public or private property without supporting and protecting such property from settling, cracking or other damage that might result. Special precautions approved by the building official must be made to prevent imported or exported materials from being deposited on the adjacent public way and/or drainage courses. A 30 day excavation notice must be provided as required by California Civil Code Section 829-834 when the excavation is of sufficient depth and proximity to adjacent lot structures.
Section J101.7 is added to the 2016 CBC to read as follows:

**J101.7 Storm water control measures.**
The owner and permittee of any property on which grading has been performed and that requires a grading permit under Section J103 shall put into effect and maintain all precautionary measures necessary to protect adjacent water courses and public private property from damage by erosion, flooding, and deposition of mud, debris and construction-related pollutants originating from the site during, and after, grading and related construction activities. Furthermore, the owner and permittee shall be responsible for putting into effect and maintaining appropriate measures necessary to prevent any change in cross-lot surface drainage that may adversely affect any adjoining property as a result of grading and/or construction-related activities. Such measures to prevent any adverse cross-lot surface drainage effects on adjoining property shall be required whether shown on approved grading plans or not.

Section J101.8 is added to the 2016 CBC to read as follows:

**J101.8 Conditions of approval.**
In granting any permit under this code, the building official may include such conditions as may be reasonably necessary to prevent creation of a nuisance or hazard to public or private property. Such conditions may include, but shall not be limited to:
1. Improvement of any existing grading to comply with the standards of this code.
2. Requirements for fencing of excavations or fills which would otherwise be hazardous.

Section J101.9 is added to the 2016 CBC to read as follows:

**J101.9 Rules and regulations.**
J101.9.1 Rules. The permissive provisions of this chapter shall not be presumed to waive any regulations imposed by other statutes or other ordinances of the State of California or the City of El Segundo.
J101.9.2 Regulations. If two or more pertinent regulations are not identical, those regulations shall prevail which are more restrictive or which afford greater safety to life, limb, health, property or welfare. For the purposes of these regulations, grading permits shall be considered as building permits and shall be subject to the administrative provisions of this code, unless otherwise specifically provided for in this chapter.

Section J103.2 is amended to the 2016 CBC to read as follows:
J103.2 Exemptions.
A grading permit shall not be required for the following:
1. When approved by the building official, grading in an isolated, self-contained area, provided there is no danger to the public, and that such grading will not adversely affect adjoining properties.
2. Excavation for construction of a structure permitted under this code where the excavation is limited to within the volume of the proposed structure.
3. Cemetery graves.
4. Refuse disposal sites controlled by other regulations.
5. Excavations for wells, or trenches for utilities.
6. Mining, quarrying, excavating, processing or stockpiling rock, sand, aggregate or clay controlled by other regulations, provided such operations do not affect the lateral support of, or significantly increase stresses in, soil and adjoining properties.
7. Exploratory excavations performed under the direction of a registered soils engineer or engineering geologist. This shall not exempt grading of access roads or pads created for exploratory excavations. Exploratory excavations must not create a hazardous condition to adjacent properties or the public in accordance with Section J101.3. Exploratory excavations must be restored to existing conditions, unless approved by the building official.
8. An excavation that does not exceed 50 cubic yards (38.3 m³) and complies with one of the following conditions:
   (1) is less than 2 feet (0.6 m) in depth.
   (2) does not create a cut slope greater than 5 feet (1.5 m) measured vertically upward from the cut surface to the surface of the natural grade and is not steeper than 2 units horizontal to 1 unit vertical (50 percent slope).
9. A fill not intended to support a structure, that does not obstruct a drainage course and complies with one of the following conditions:
   (a) is less than 1 foot (0.3 m) in depth and is placed on natural terrain with a slope flatter than 5 units horizontal to 1 unit vertical (20 percent slope).
   (b) is less than 3 feet (0.9 m) in depth at its deepest point measured vertically upward from natural grade to the surface of the fill, does not exceed 50 cubic yards, and creates a fill slope no steeper than 2 units horizontal to 1 unit vertical (50 percent slope).
   (c) is less than 5 feet (1.5 m) in depth at its deepest point measured vertically upward from natural grade to the surface of the fill, does not exceed 20 cubic yards, and creates a fill slope no steeper than 2 units horizontal to 1 unit vertical (50 percent slope).
Exemption from the permit requirements of this appendix shall not be deemed to grant authorization for any work to be done in any manner in violation of the provisions of this code or any other laws or ordinances of this jurisdiction.
Section J103.3 is added to the 2016 CBC to read as follows:

**J103.3 Permit issuance.**

1. The issuance of a grading permit shall constitute an authorization to do only that work which is described or illustrated on the application for the permit or on the grading plans and specifications approved by the building official at the time of issuance.
2. Jurisdiction of other agencies. Permits issued under the requirements of this chapter shall not relieve the owner of responsibility for securing required permits for work to be accomplished which is regulated by any other code, department or division of the governing agency.
3. Conditions of permit. The building official, upon recommendation of the city traffic and transportation administrator, may impose such regulations with respect to access routes to and from grading sites in hillside areas as the building official shall determine are required in the interest of safety precautions involving pedestrian or vehicular traffic.
4. Consent of adjacent property owner. Whenever any excavation or fill requires entry onto adjacent property for any reason, the permit applicant shall obtain the written consent or legal easements or other property rights of the adjacent property owner or their authorized representative, and shall file a signed and duly notarized copy of such consent with the building official, and no permit for such grading work may be issued unless and until all necessary consent documents are so filed. The consent shall be in a form acceptable to the building official.

Section J103.4 is added to the 2016 CBC to read as follows:

**J103.4 Grading fees.**

1. Fees for grading plan check and for grading permits shall be established or modified by resolution of the city council. The schedule of such fees shall remain on file and be available in the office of the building official. The building official shall, with the approval of the city manager, recommend changes to the council when the costs to provide grading plan check and grading inspection services make it appropriate.
2. The applicant shall pay a plan check fee prior to acceptance of grading plans and specifications for checking by the city. The plan check fee shall be based on the total volume of the excavation and fill, on the site. The grading plan check fee shall be recalculated each time the grading plan volume of excavation and fill exceeds the volume used to determine the original plan check fee, and the applicant shall pay the difference between the revised and original fee before the revised grading plans are accepted for review by the city. The original grading plan check fee includes the cost to the applicant for the original submittal plus two additional submittals of corrected grading plans and specifications. When required by the building
official, the applicant shall pay a supplemental grading plan check fee in accordance with the fee resolution established by the city council.

3. Whenever the applicant submits a grading plan for plan check that is substantially different in design of the earthwork as compared to previously submitted grading plans, the submittal shall be considered an original and a new grading plan check fee shall be determined and paid to the city as provided in this section.

4. The applicant shall pay a grading permit fee prior to the issuance of a grading permit by the city. The fee shall be based on the total volume of excavation and fill, on the site. If, during grading operations, the plans and specifications for the grading project are revised increasing the volume of excavation, fill, or a combination thereof above the volume that was used to determine the grading permit fee, the applicant shall pay to the city the difference between the original grading permit fee and the recalculated fee before work may resume under the grading permit.

5. Whenever grading operations are commenced without an approved grading permit, a penalty shall be added to all unpaid fees for grading plan check and grading permits. The penalty shall be three hundred percent of all fees due the city.

Section J104.2.1 is added to the 2016 CBC to read as follows:

**J104.2.1 Grading Designation.**
Grading in hilly terrain and all grading in excess of 2,500 cubic yards shall be performed in accordance with the approved grading plan prepared by a registered civil engineer, and shall be designated as "engineered grading."
Grading involving less than 2,500 cubic yards and not located in an area of mountainous terrain shall be designated as "regular grading" unless the permittee chooses to have the grading performed as engineered grading, or the building official determines that special conditions or unusual hazards exist, in which case grading shall conform to the requirements for engineered grading.

Section J104.2.2 is added to the 2016 CBC to read as follows:

**J104.2.2 Regular grading requirements.**
In addition to the provisions of Section 106, and Section 104.2, Chapter 1, Division II, an application for a regular grading permit shall be accompanied by plans in sufficient clarity to indicate the nature and extent of the work. The plans shall give the location of the work, the name of the owner, and the name of the person who prepared the plan. If the slope of the grade exceeds 3 units horizontal to 1 unit vertical or as required by the building official, the plans and specifications shall be prepared and signed by an individual licensed by the state to prepare such plans or specifications. The plan shall include the following information:

1. General vicinity of the proposed site.
2. Limits and depths of cut and fill.
3. Location of any buildings or structures where work is to be performed, and the location of any buildings or structures within 15 feet (4.6 m) of the proposed grading.
4. Contours, flow areas, elevations, or slopes which define existing and proposed drainage patterns.
5. Storm water provisions in accordance with the requirements of Appendix J and Title 5 Chapter 4 of the City of El Segundo Municipal Code.
6. Location of existing and proposed utilities, drainage facilities, and recorded public and private easements and use restricted use areas.
7. Location of all Special Flood Hazard Areas as designated and defined in Title 44, Code of Federal Regulations.

Section J104.2.3 is added to the 2016 CBC to read as follows:

**J104.2.3 Engineered grading requirements.**
In addition to the provisions of Chapter 1 Division II, Section 107 and Appendix J Section J 104.2, an application for an engineered grading permit shall be accompanied by plans and specifications, and supporting data consisting of a soils engineering report and engineering geology report. The plans and specifications shall be prepared and signed by an individual licensed by the state to prepare such plans or specifications when required by the building official. Specifications shall contain information covering structures and material requirements. Plans shall be drawn to scale and shall be of sufficient clarity to indicate the nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and all relevant laws, ordinances, rules, and regulations. The first sheet of each set of plans shall give location of the work, the name and address of the owner, and the person by whom they were prepared. The plans shall include, but shall not be limited to, the following information:

1. General vicinity of the proposed site.
2. Property limits and accurate contours of existing ground and details of terrain and area drainage.
3. Limiting dimensions, elevations, or finish contours to be achieved by the grading, proposed drainage channels, and related structures.
4. Detailed plans of all surface and subsurface drainage devices, walls, cribbing, dams and other protective devices to be constructed with, or as a part of, the proposed work. A map showing the drainage area and the estimated runoff of the area served by any drains shall also be provided.
5. Location of any existing or proposed buildings or structures on the property where the work is to be performed and the location of any buildings or structures on land of adjacent owners that are within 15 feet (4.6 m) of the property or that may be affected by the proposed grading operations.
6. Recommendations in the geotechnical engineering report and the engineering geology report shall be incorporated into the grading plans or specifications. When approved by the building official, specific recommendations contained in the geotechnical engineering report and the engineering geology report, that are applicable to grading, may be included by reference.

7. The dates of the geotechnical engineering and engineering geology reports together with the names, addresses, and telephone numbers of the firms or individuals who prepared the reports.

8. A statement of the earthwork quantities of materials to be excavated and/or filled. Earthwork quantities shall include quantities for geotechnical and geological remediation. In addition, a statement of material to be imported or exported from the site.

9. A statement of the estimated starting and completion dates for work covered by the permit.

10. A statement signed by the owner acknowledging that a field engineer, geotechnical engineer and engineering geologist, when appropriate, will be employed to perform the services required by this code, whenever approval of the plans and issuance of the permit are to be based on the condition that such professional persons be so employed. These acknowledgements shall be on a form furnished by the building official.

11. Storm water provisions are required to be shown on the grading plan in accordance with Appendix J Section J and Title 5 Chapter 4 of the ESMC.

12. A drainage plan for that portion of a lot or parcel to be utilized as a building site (building pad), including elevation of floors with respect to finish site grade and locations of existing and proposed stoops, slabs, fences or other features that may affect drainage.

13. Location and type of any existing or proposed private sewage disposal system.

14. Location of existing and proposed utilities, drainage facilities, and recorded public and private easements.

15. Location of all recorded floodways.

16. Location of all Special Flood Hazard Areas as designated and defined in Title 44, Code of Federal Regulations.

Section J109.5 is added to the 2016 CBC to read as follows:

**J109.5 Disposal.**
All drainage facilities shall be designed to carry waters to the nearest practicable street, storm drain, or natural watercourse drainage way approved by the building official or other appropriate governmental agency jurisdiction provided it is a safe place to deposit such waters. Erosion of ground in the area of discharge shall be prevented by installation of non-erosive down drains or other devices. Desilting basins, filter barriers or other methods, as approved by the building official, shall
be utilized to remove sediments from surface waters before such waters are allowed to enter streets, storm drains, or natural watercourses. If the drainage device discharges onto natural ground, riprap or a similar energy dissipater may be required. Building pads shall have a minimum drainage gradient of 2 percent toward approved drainage facilities, a public street or drainage structure approved to receive storm waters unless waived by the building official. A lesser slope may be approved by the building official for sites graded in relatively flat terrain, or where special drainage provisions are made, when the building official finds such modification will not result in unfavorable drainage conditions.

Section J113 is added to the 2016 CBC to read as follows:

**SECTION J113**

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) COMPLIANCE**

**J113.1 General.**

All grading plans and permits shall comply with the provisions of this section for NPDES compliance including the owner of any property on which grading has been performed and which requires a grading permit under Appendix J Section J103. Sites which have been graded and which require a grading permit under Appendix J Section J103 are subject to penalties and fines per Appendix J Section J113.4. All best management practices shall be installed before grading begins or as instructed in writing by the building official for unpermitted grading as defined by Section J 103.3. As grading progresses, all best management practices shall be updated as necessary to prevent erosion and control structures related pollutants from discharging from the site. All best management practices shall be maintained in good working order to the satisfaction of the building official unless final grading approval has been granted by the building official and all permanent drainage and erosion control systems, if required, are in place.

**J113.2 Storm water pollution prevention plan (SWPPP).**

When requested by the building official, no grading permit shall be issued unless the plans for such work include a Storm Water Pollution Prevention Plan with details of best management practices, including desilting basins or other temporary drainage or control measures, or both, as may be necessary to control structures-related pollutants which originate from the site as a result of structures related activities. For unpermitted grading as defined by Section J103.3 upon written request a SWPPP in compliance with the provisions of this section and Section J106.4.3 for NPDES compliance shall be submitted to the building official.

**J113.3 Wet weather erosion control plans (WWECP).**

In addition to the SWPPP required in Appendix J Section J113.2, where a grading permit is issued and it appears that the grading will not be completed
prior to November 1, then on or before October 1 the owner of the site on which the grading is being performed shall file or cause to be filed with the building official a WWECP which includes specific best management practices to minimize the transport of sediment and protect public and private property from the effects of erosion, flooding or the deposition of mud, debris or structures related pollutants. The best management practices shown on the WWECP shall be installed on or before October 15. The plans shall be revised annually or as required by the building official to reflect the current site conditions. The WWECP shall be accompanied by an application for plan checking services and plan check fees equal in amount to 10 percent of the original grading permit fee.

SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.
SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ___ day of _________, 2016.

____________________
Suzanne Fuentes, Mayor

APPROVED AS TO FORM

____________________
Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of __________________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of __________________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

____________________
Tracy Weaver, City Clerk
ATTACHMENT 3
ORDINANCE No. 1525
Adopting 2016 California Residential Code with amendments
ORDINANCE NO. 1525

AN ORDINANCE ADOPTING THE CALIFORNIA RESIDENTIAL CODE, 2016 EDITION ("CRC") AND AMENDING THE CRC BASED UPON LOCAL CLIMATIC, TOPOGRAPHIC, AND GEOLOGICAL CONDITIONS; AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH CHANGES.

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the California Residential Code ("CRC") with the changes set forth in this Ordinance;

F. Pursuant to the requirements of Health and Safety Code § 17958.7, the City Council finds that there are local geological conditions justifying the CRC amendments set forth below;

G. The City of El Segundo and the greater Los Angeles region is a densely populated area having buildings and structures constructed over and near a vast array of fault systems capable of producing major earthquakes including, without limitation, to the 1994 Northridge Earthquake. The proposed modifications emphasize that the design concern is for seismic-force-resisting elements and therefore need to be incorporated into the CRC to ensure that new buildings and structures and additions or alterations to existing buildings or structures are designed and constructed in accordance with the scope and objectives of the International Building
Code. Experts predict a major earthquake in Southern California within the next 50 years. This situation creates the need for both additional fire protection measures and automatic on-site fire protection of building occupants since a multitude of fires may result from breakage of gas and electric lines because of an earthquake. After due consideration, the City Council finds and determines that due to local climatic, geological, or topographical conditions, the structural and fire protection amendments to the 2016 CRC are necessary to give buildings a reasonable degree of structural integrity and fire life safety to help protect public health and safety in the event of a seismic event;

H. Additional amendments have been made to Codes are found to be either administrative or procedural in nature or concern themselves with subjects not covered in such Codes. The changes made include provisions making each of said Codes compatible with other Codes enforced by the City;

I. The specific amendments of the CRC that fulfill these requirements are:

1. Amend CRC § R105.2 Work exempt from permit
2. Amend CRC § R105.3.2 Expiration of Plan Check
3. Amend CRC § R105.5 Expiration of Permits
4. Amend CRC § R105.8 Responsibility of permittee
5. Add CRC § R108.5.1 Plan Check fee refund
6. Add CRC § R108.5.2 Permit fee refund
7. Amend CRC § R108.6 Work commencing before permit issuance.
8. Add CRC § R109.1.7 Survey certification
9. Add CRC § R109.5 Re-inspections
10. Amend CRC § R112.3 Board of appeals
11. Amend CRC § R301.1.3.2 Wood frame Structures
12. Add CRC Section § R301.1.4 Slopes Steeper Than 33%
13. Amend CRC § R301.2.2.2.5 Irregular Buildings
14. Add CRC § R301.2.2.3.8 Anchorage of Equipment
15. Add CRC § R341: Residential Noise Insulation Standards
16. Amend CRC § R401.1 Foundation Application
17. Amend CRC § R403.1 General Footings
18. Amend CRC § R404.2 Wood Foundation Walls
19. Amend CRC § R501.1 Application
20. Add CRC § R503.2.4 Openings In Horizontal Diaphragms
21. Amend CRC Table R602.3(1) Fastener Schedule
22. Amend CRC Table R602.3(2) Alternate Attachment
23. Amend CRC Table R602.10.3(3) Bracing Requirements
24. Amend CRC Table R602.10.4 Bracing Methods
25. Amend CRC Figure R602.10.6.1 Alternate Braced Wall Panel
26. Amend CRC Figure R602.10.6.2 Portal Frame
27. Amend CRC Table R602.10.5 Braced Wall Lengths
28. Amend CRC § R602.10.2.3 Minimum Number of Braced Wall Panels
29. Amend CRC Figure R602.10.6.4 Method CS-PF
30. Amend CRC § R606.4.4 Parapet Walls
31. Amend CRC § R606.12.2.2.3 Reinforcement for Masonry
32. Amend CRC § R602.3.2 Top Plate
33. Add CRC § R803.2.4 Openings in Horizontal Diaphragms
34. Amend CRC § R1001.3.1 Vertical Reinforcing

SECTION 2: Title 13, Chapter 2 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 2
RESIDENTIAL CODE

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Section 13-1-1: ADOPTION OF CALIFORNIA RESIDENTIAL CODE, 2016 EDITION.


Section 13-2-2: AMENDMENTS TO THE CALIFORNIA RESIDENTIAL CODE.

Subsection 11 is added to § R105.2 of the CRC:

R105.2 Work exempt from permit.
Building

11. Block wall and concrete fences not over 3 feet 6 inches high.

Section R105.3.2 of the CRC is hereby amended to read as follows:

R105.3.2 Expiration of Plan Check.
An application for a permit for any proposed work is deemed to have been abandoned 12 months after the application date. Unless otherwise provided, after expiration of the application, the City will not issue a permit until the plans are rechecked and approved and a new fee is paid.

   Exception: The Building Official may grant extensions of time for additional periods not exceeding 90 days each if a permit applicant submits in writing sufficient evidence that unusual conditions or circumstances precluded the securing of the permit within the allocated time.

Section R105.5 of Chapter 1 of the CRC is hereby amended to read as follows:

R105.5 Expiration of Permits.
Every permit issued shall become invalid unless the work on the site authorized by such permit is commenced within 180 days after its issuance, or if the work authorized on the site by such permit is suspended or abandoned for a period of 180 days after the time the work is commenced. Work shall be considered suspended or abandoned if the building official determines that substantial work
has not been performed within the time specified above. Substantial work shall be constructed to mean:

1. Measurable work such as, but not limited to, the addition of footings, structural members, flooring, wall covering, etc.
2. The work mentioned in subsection 1 of this Section [A] 105.5 above must constitute 20% of the value of the work for which the permit was issued in any 180 day period for Group R, Division 3 occupancies and 10% for all other occupancies.

Before such work can be recommenced, a new permit shall be first obtained to do so, and the fee therefore shall be one half the amount required for a new permit for such work, provided no changes have been made or will be made in the original plans and specifications for such work, and provided further that such suspension or abandonment has not exceeded one year. In order to renew action on a permit after expiration, the permittee shall pay a new permit fee and may be required to comply with all applicable new regulations at the time of issuance. The building official is authorized to grant, in writing, one or more extensions of time, for periods not more than 180 days each. The extension shall be requested in writing and justifiable cause demonstrated. Except as otherwise provided, every permit issued by the City is valid for a period of three (3) years.

**Exception:** The Building Official may grant extensions of time if a permit applicant submits in writing sufficient evidence that unusual conditions or circumstances precluded from the work being completed. An extension of time may require conditions of approval and additional fees.

Section 105.8 of Chapter 1 of the CRC is added to read as follows:

**105.8 Responsibility of permittee.**
Building permits shall be presumed by the city to incorporate all of the work that the applicant, the applicant's agent, employees and/or contractors shall carry out. Said proposed work shall be in accordance with the approved plans and with all requirements of this code and any other laws or regulations applicable thereto. No city approval shall relieve or exonerate any person from the responsibility of complying with the provisions of this code nor shall any vested rights be created for any work performed in violation of this code.

Section 109.5.1 of Chapter 1 of the CRC is added to read as follows:

**108.5.1 Plan check fees refund.**
No portion of the plan check fee shall be refunded unless plan review has not been performed, in which case 80 percent of the plan check fee shall be refunded upon written application for refund submitted by the person who made
original payment of such fee and with the written consent of the owner of the real property on which the work was proposed to be done. The Building Official shall determine, in such official's discretion, whether an applicant is qualified to receive a refund. After 180 days have elapsed from the date of the submittal for plan check, no plan check fees shall be refunded. In the event subsequent application for plan check is made by a person who has received a refund, the full amount of all required fees shall be paid as elsewhere provided in this chapter.

Section 105.5.2 of Chapter 1 of the CRC is added to read as follows:

108.5.2 Permit fees refund.
In the event any person shall have obtained a building permit and no portion of the work or construction covered by such permit shall have commenced, nor any inspection performed by any City employee, and notice of abandonment has been received from the owner of the real property on which such work would have been performed, the permittee, upon presentation to the Building Official of a written request for refund, shall be entitled to a refund in an amount equal to 80 percent of the building permit fee actually paid for such permit. The Building Official shall determine, in such official's discretion, whether an applicant is qualified to receive a refund. After 180 days have elapsed from the date of the issuance of the permit, no permit fees shall be refunded. In the event subsequent application for a permit is made by a person who has received a refund, the full amount of all required fees shall be paid as elsewhere provided in this chapter.

Exception:
1. If a permit has been issued for a project located in an area outside the jurisdiction of the City, 100 percent of the permit and plan checking fee may be refunded.

2. If a duplicate permit has been erroneously issued, 100 percent of the duplicated permit and plan checking fee may be refunded.

Section 108.6 of Chapter 1 of the CRC is amended to read as follows:

108.6 Work commencing before permit issuance.
Any person who commences any work on a building, structure, electrical, gas, mechanical or plumbing system before obtaining the necessary permits shall be subject to a fee in addition to the normally established permit fee, equal to 100% of such normally established permit fee, or as otherwise determined by the building official.

Section 110.1.1 of Chapter 1 of the CRC is added to read as follows:

109.1.7 Setback Certification required.
A California State licensed surveyor is required to certify the location and setbacks of all new construction prior to the first foundation inspection. A copy of the certification shall be available to the Building Division inspector for the job file prior to the first inspection.

Exception: Wherever there are practical difficulties involved in carrying out the provisions of this section, the Building Official shall have the authority to grant modifications for individual cases.

Section R109.5 of Chapter 1 of the CRC is hereby added to read as follows:

**R109.5 Re-inspections.**
A re-inspection fee in the amount set by the City Council resolution may be assessed for each inspection or re-inspection when such portion of work for which inspection is called is incomplete or when required corrections called are not made. This section is not to be interpreted as requiring re-inspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or re-inspection. Re-inspection fees may be assessed when the inspection record card is not posted or otherwise available on the work site, the approved plans are not readily available to the inspector, for failure to provide access on the date for which inspection is requested, or for deviating from plans requiring the approval of the building official. In instances where re-inspection fees have been assessed, no additional inspection of the work will be performed until required fees have been paid.

Section R113.3 of Chapter 1 of the CRC is hereby added to read as follows:

**R112.3 Board of Appeals.**
The board of appeals consists of members of the Planning Commission. The term of a board of appeals member will coincide with the term of service as a Planning Commissioner and will terminate should the member cease serving as a Planning Commissioner. The building official is the secretary to the board. The board may adopt reasonable rules and regulations for conducting its investigations and will render all its decisions and findings on contested matters, in writing to the building official, with a duplicate copy for any appellant or contestant affected by such decision or finding, and may recommend to the city council appropriate new legislation.

Three members of the board constitute a quorum. The Planning Chairperson is the board's chairperson and in the chairperson's absence the board will select a temporary chairperson. The city will assess a $250.00 charge, or a higher amount set by resolution, at the time that an appellant file appeal of any order, decisions, or determination
made by the building official relative to the application and interpretation of this code. The filing fee is refundable should the appellant prevail in a decision by the board. The appeal must be taken by filing a written notice of appeal, in letterform, to the board of appeals. The board’s decision constitutes the city’s final decision.

Section R301.1.3.2 of Chapter 3 of the 2016 CRC is amended to read as follows:

R301.1.3.2 Wood-frame structures.
The building official shall require construction documents to be approved and stamped by a California licensed architect or engineer for all dwellings of wood-frame construction more than two stories and basement in height located in Seismic Design Category A, B or C. Notwithstanding other sections of law; the law establishing these provisions is found in Business and Professions Code Section 5537 and 6737.1.

The building official shall require construction documents to be approved and stamped by a California licensed architect or engineer for all dwellings of wood-frame construction more than one story in height or with a basement located in Seismic Design Category D₀, D₁, D₂ or E.

Section R301.1.4 is added to Chapter 3 of the CRC to read as follows:

R301.1.4 Seismic design provisions for buildings constructed on or into slopes steeper than one unit vertical in three units horizontal (33.3 percent slope).
The design and construction of new buildings and additions to existing buildings when constructed on or into slopes steeper than one unit vertical in three units horizontal (33.3 percent slope) shall comply with Section 1613.9 of the Building Code.

Items 1, 3 and 5 of Section R301.2.2.2.5 of the CRC are amended to read as follows:

R301.2.2.2.5 Irregular Buildings.
1. Where exterior shear wall lines or braced wall panels are not in one plane vertically from the foundation to the uppermost story in which they are required.

3. When the end of a braced wall panel occurs over an opening in the wall below-

5. Where portions of a floor level are vertically offset.
Section R301.2.2.3.8 is added to Chapter 3 of the CRC to read as follows:

**R301.2.2.3.8 Anchorage of Mechanical, Electrical, or Plumbing Components and Equipment.**
Mechanical, electrical, or plumbing components and equipment shall be anchored to the structure. Anchorage of the components and equipment shall be designed to resist loads in accordance with the California Residential Code and ASCE 7, except where the component is positively attached to the structure and flexible connections are provided between the component and associated ductwork, piping, and conduit; and either

1. The component weighs 400 lbs. (1,780 N) or less and has a center of mass located 4 ft. (1.22 m) or less above the supporting structure; or

2. The component weighs 20 lbs. (89N) or less or, in the case of a distributed system, 5 lb/ft. (73 N/m) or less.

Section R341 is added to Chapter 3 of the CRC to read as follows:

**R341: RESIDENTIAL NOISE INSULATION STANDARDS (Airport Noise Sources)**

**R341.1207.6.01 Noise Insulation Requirements for New Construction.**

**R341.1207.6.02 Purpose and Scope.**
The purpose of this section is to establish minimum noise insulation performance standards for new residential dwelling units and additions of habitable rooms to existing residential dwelling units to protect public health, safety, and welfare from the effects of excessive noise, including without limitation, indoor quality of life, speech interference, and sleep disruption.

**R341.1207.6.03 Applicability.**
This section applies to all newly constructed residences and habitable room additions to existing residences.

**R341.1207.6.04 Definitions.**
For purposes of this section, the following words must have the following meaning:

"Community Noise Equivalent Level (CNEL)" means the noise measure defined in 21 Code of California Regulations § 5001(d), and any successor regulation or amendment.

"Habitable Room" means a room that is a space in a structure for living, sleeping, eating, or cooking. Bathrooms, toilet compartments, closets, halls, storage or
utility space, garages, and similar areas are not considered habitable space.

"LAX" means Los Angeles International Airport.

"Noise Impact Boundary for LAX" means the area around LAX as defined in 21 California code of regulations § 5001(1), and any successor regulation or amendment. The city's building safety department must at all times maintain a current map of the noise impact boundary. The latest published map by LAWA located at the Building Safety Counter shall be used as the basis for determination.

"Residence" means any occupancy group R building as used in El Segundo Title 13 of the El Segundo municipal code.

R341.1207.6.05 Standards.
Any new residence or addition of one or more habitable rooms to an existing residence that is within the noise impact boundary for LAX must be designed to ensure that internal noise levels due to LAX do not exceed 45 dB CNEL. This standard may be satisfied in two ways: (1) by performing the acoustical analysis described in section R341.1207.6.06, below, or (2) by employing the prescribed construction methods described in section R341.1207.6.07, below.

R341.1207.6.06. Acoustical Analysis.
A building permit application for a new residence or addition of one or more habitable rooms to an existing residence must comply with the minimum noise insulation performance standards established in this section if it includes an acoustical analysis demonstrating that the proposed design will ensure that internal noise levels due to LAX aircraft noise will not exceed 45 dB CNEL. The acoustical analysis shall be proven to meet the standard by providing post-construction/pre-occupancy acoustic measurement to verify compliance with the 45 dB CNEL standard. The Building Official has the discretion to implement policies that meet the intent of this code section.

A. The acoustical analysis must be prepared by a person experienced in the field of acoustical engineering. The analysis must consider and include: the topographical relationship between LAX aircraft noise sources and the dwelling site, the characteristics of those noise sources, predicted noise spectra and levels at the exterior of the dwelling site, the basis for this prediction (measured or obtained from published data), the noise insulation measures to be employed, and the effectiveness of the proposed noise insulation measures.

B. If the interior allowable noise levels are to be met by requiring that windows be unopenable or closed, the design for the structure must also specify a ventilation or air-conditioning system to provide a habitable interior environment, having at least 2 air exchanges per hour for the
affected rooms. The ventilation system must not compromise the interior room noise reduction.

R341.1207.6.07 Prescribed Construction Methods.
A building permit application for a new residence or addition of one or more habitable rooms to an existing residence must comply with the minimum noise insulation performance standards established in this section if the design incorporates the following construction methods.

Construction Methods in the 70 dB CNEL and Greater Noise Zone

R341.1207.6.08 Exterior Walls.
New walls that form the exterior portion of habitable rooms must be constructed as follows:

A. Studs must be at least 4 inches in nominal depth.

B. Exterior finish must be stucco, minimum 7/8-inch thickness, brick veneer, masonry, or any siding material allowed by this code. Wood or metal siding must be installed over 1/2-inch minimum solid sheathing.

C. Masonry walls with a surface weight of less than 40 pounds per square foot must require an interior supporting stud-wall that is finished with at least 5/8-inch thick gypsum wall board or plaster.

D. Wall insulation must be at least R-11 glass fiber or mineral wool and must be installed continuously throughout the stud space.

E. Exterior solid sheathing must be covered with overlapping asphalt felt.

F. Interior wall finish must be at least 5/8-inch thick gypsum wall board or plaster.

R341.1207.6.09 Exterior Windows.
A. Openable Windows: All openable windows in the exterior walls of habitable rooms must have a laboratory sound transmission class rating of at least STC 40 dB and must have an air infiltration rate of no more than 0.5 cubic feet per minute when tested according to ASTM E-283.

B. Fixed Windows: All fixed windows in the exterior walls of habitable rooms must:

1. Have a sound transmission class rating of at least STC 40 dB, or

2. Must be 5/8-inch laminated glass with STC rating of 40 dB and must be set in non-hardening glazing materials, or
3. Must be glass block at least 3 1/2 inches thick.

C. The total areas of glazing in rooms used for sleeping must not exceed 20% of the wall area.

**R341.1207.6.10 Exterior Doors.**
A. Exterior hinged doors to habitable rooms that are directly exposed to aircraft noise and are facing the source of the noise must be a door and edge seal assembly that has a laboratory sound transmission class of at least STC 40 dB.

B. Exterior hinged doors to habitable rooms that are not directly exposed to aircraft noise and do not face the source of the noise must have a minimum STC rating of 35 dB.

C. Sliding glass doors in habitable rooms must not be allowed in walls that are directly exposed to aircraft noise. Sliding glass doors in walls that are not directly exposed must have an STC rating of at least 40 dB.

D. Access doors from attached garage to the interior of a residence must have an STC rating of at least 30 dB.

**R341.1207.6.11 Roof/Ceiling Construction.**
A. Roof rafters must have a minimum slope of 4:12 and must be covered on their top surface with minimum 1/2-inch solid sheathing and any roof covering allowed by this code.

B. Attic insulation must be batt or blow-in glass fiber or mineral wool with a minimum R-30 rating applied between the ceiling joists.

C. Attic ventilation must be:

1. Gable vents or vents that penetrate the roof surface that are fitted with transfer ducts at least 6 feet in length that are insulating flexible ducting or metal ducts containing internal 1-inch thick coated fiberglass sound absorbing duct liner. Each duct must have a lined 90-degree bend in the duct so that there is no direct line of sight from the exterior through the duct into the attic, or

2. Noise control louver vents, or

3. Eave vents that are located under the eave overhang.

4. Ceilings must be finished with gypsum board or plaster that is at least 5/8-inch thick. Ceiling materials must be mounted on resilient channels.
5. Skylights must penetrate the ceiling by means of a completely enclosed light well that extends from the roof opening to the ceiling opening. A secondary openable glazing panel must be mounted at the ceiling line or at any point that provides at least a 4-inch space between the skylight glazing and the secondary glazing and must be glazed with at least 3/16-inch plastic or laminated glass. The weather-side skylight must be any type that is permitted by the building code. The size of skylights must be no more than 20 percent of the roof area of the room.

R341.1207.6.12 Ventilation.
A. A ventilation system must be provided that will provide at least the minimum air circulation and fresh air supply requirements of this code in each habitable room without opening any window, door or other opening to the exterior. All concealed ductwork must be insulated flexible glass fiber ducting that is at least 10 feet long between any two points of connection.

B. Kitchen cooktop vent hoods must be the non-ducted recirculating type with no ducted connection to the exterior.

R341.1207.6.13 Fireplaces.
Each fireplace must be fitted with a damper at the top of the chimney that is operated from the firebox and must have glass doors across the front of the firebox.

R341.1207.6.14 Wall and Ceiling Openings.
Openings in the shell of the residence that degrade its ability to achieve an interior CNEL rating of 45 dB or less when all doors and windows are closed are prohibited unless access panels, pet doors, mail delivery drops, air-conditioning, or other openings are designed to maintain the 45 dB CNEL (or less) standard in the room to which they provide access.

Construction Methods In The 65 dB CNEL To 70 dB CNEL Noise Zone

R341.1207.6.15 Exterior Walls.
New walls that form the exterior portion of habitable rooms must be constructed as follows:

A. Studs must be at least 4 inches in nominal depth.

B. Exterior finish must be stucco, minimum 7/8-inch thickness, brick veneer, masonry, or any siding material allowed by this code. Wood or metal siding must be installed over 7/16-inch solid sheathing.

C. Masonry walls with a surface weight of less than 40 pounds per square
foot will require an interior studwall that is finished with at least $5/8$-inch thick gypsum wallboard or plaster.

D. Wall insulation must be at least R-11 glass fiber or mineral wool and must be installed continuously throughout the stud space.

E. Exterior solid sheathing must be covered with overlapping asphalt felt.

F. Interior wall finish must be at least $5/8$-inch thick gypsum wallboard or plaster.

R341.1207.6.16 Exterior Windows.
A. Openable Windows: All openable windows in the exterior walls of habitable rooms must have a laboratory sound transmission class rating of at least STC 35 dB and must have an air infiltration rate of no more than 0.5 cubic feet per minute when tested according to ASTM E-283.

B. Fixed Windows: All fixed windows in the exterior walls of habitable rooms must be at least $1/4$-inch thick and must be set in non-hardening glazing materials.

C. The total area of glazing in rooms used for sleeping must not exceed 20% of the floor area.

A. Exterior hinged doors to habitable rooms that are directly exposed to aircraft noise and are facing the source of the noise must be a door and edge seal assembly that has a laboratory sound transmission class of at least STC 35 dB.

B. Exterior hinged doors to habitable rooms that are not directly exposed to aircraft noise and do not face the source of the noise must have a minimum STC rating of 30 dB.

C. Sliding glass doors in habitable rooms must have glass that is $1/4$-inch thick.

D. Access doors from a garage to a habitable room must have an STC rating of at least 30 dB.

R341.1207.6.18 Roof/Ceiling Construction.
A. Roof rafters must have a minimum slope of 4:12 and must be covered on their top surface with minimum $1/2$-inch solid sheathing and any roof covering allowed by this code.

B. Attic insulation must be batt or blow-in glass fiber or mineral wool with a
minimum R-30 rating applied between the ceiling joists.

C. Attic ventilation must be:

1. Gable vents or vents that penetrate the roof surface that are fitted with transfer ducts at least 6 feet in length that are insulating flexible ducting or metal ducts containing internal 1-inch thick coated fiberglass sound absorbing duct liner. Each duct must have a lined 90-degree bend in the duct so that there is no direct line of sight from the exterior through the duct into the attic, or

2. Noise control louver vents, or

3. Eave vents that are located under the eave overhang.

D. Ceilings must be finished with gypsum board or plaster that is at least 5/8-inch thick.

E. Skylights must penetrate the ceiling by means of a completely enclosed light well that extends from the roof opening to the ceiling opening. A secondary openable glazing panel must be mounted at the ceiling line and must be glazed with at least 3/16-inch plastic, tempered or laminated glass. The weather-side skylight must be any type that is permitted by the building code.

R341.1207.6.19 Floors.
The floor of the lowest habitable rooms must be concrete slab on grade or wood framed floors.

R341.1207.6.20 Ventilation.
A. A ventilation system must be provided that will provide at least the minimum air circulation and fresh air supply requirements of at least 2 air exchanges in each affected habitable room without opening any window, door or other opening to the exterior. All concealed ductwork must be insulated flexible glass fiber ducting that is at least 10 feet long between any two points of connection.

B. Kitchen cooktop vent hoods must be the non-ducted recirculating type with no ducted connection to the exterior.

R341.1207.6.21 Fireplaces.
Each fireplace must be fitted with a damper at the top of the chimney that is operated from the firebox and must have glass doors across the front of the firebox.

R341.1207.6.22 Wall and Ceiling Openings. Openings in the shell of the residence that degrade its ability to achieve an interior CNEL rating of 45 dB or
less when all doors and windows are closed are prohibited. Any access panels, pet doors, mail delivery drops, air-conditioning, or other openings must be designed to maintain the 45 dB CNEL or less standard in the room to which they provide access.

Section R401.1 of the CRC is amended to read as follows:

**R401.1 Application.**
The provisions of this chapter shall control the design and construction of the foundation and foundation spaces for buildings. In addition to the provisions of this chapter, the design and construction of foundations in flood hazard areas as established by Table R301.2(1) shall meet the provisions of Section R322. Wood foundations shall be designed and installed in accordance with AWC PWF.

**Exception:** The provisions of this chapter shall be permitted to be used for wood foundations only in the following situations:

1. In buildings that have no more than two floors and a roof.
2. When interior basement and foundation walls are constructed at intervals not exceeding 50 feet (15 240 mm).

Wood foundations in Seismic Design Category D₀, D₁ or D₂ shall not be permitted.

**Exception:** In non-occupied, single-story, detached storage sheds and similar uses other than carport or garage, provided the gross floor area does not exceed 200 square feet, the plate height does not exceed 12 feet in height above the grade plane at any point, and the maximum roof projection does not exceed 24 inches.

Sections R403.1.2, R403.1.3.6 and R403.1.5 of the CRC are amended to read as follows:

**R403.1.2 Continuous footing in Seismic Design Categories D₀, D₁ and D₂.**
Exterior walls of buildings located in Seismic Design Categories D₀, D₁ and D₂ shall be supported by continuous solid or fully grouted masonry or concrete footings. All required interior braced wall panels in buildings located in Seismic Design Categories D₀, D₁ and D₂ shall be supported on continuous foundations.

**R403.1.3.6 Isolated concrete footings.**
In detached one- and two-family dwellings located in Seismic Design Category A, B, or C that are three stories or less in height and constructed with stud bearing
walls, isolated plain concrete footings supporting columns or pedestals are permitted.

**R403.1.5 Slope.**
The top surface of footings shall be level. The bottom surface of footings shall not have a slope exceeding one unit vertical in 10 units horizontal (10-percent slope). Footings shall be stepped where it is necessary to change the elevation of the top surface of the footings or where the slope of the bottom surface of the footings will exceed one unit vertical in 10 units horizontal (10-percent slope).

For structures located in Seismic Design Categories D₀, D₁ or D₂, stepped footings shall be reinforced with four No. 4 rebar. Two bars shall be place at the top and bottom of the footings as shown in Figure R403.1.5.

![Diagram of stepped footing](image)

**FIGURE R403.1.5 - STEPPED FOOTING**

Section R404.2 of the CRC is amended to read as follows:

**R404.2 Wood foundation walls.**
Wood foundation walls shall be constructed in accordance with the provisions of Sections R404.2.1 through R404.2.6 and with the details shown in Figures R403.1(2) and R403.1(3). Wood foundation walls shall not be used for structures located in Seismic Design Category D₀, D₁ or D₂.

Section R501.1 of the CRC is amended to read as follows:

**R501.1 Application.**
The provisions of this chapter shall control the design and construction of the floors for buildings, including the floors of attic spaces used to house mechanical or plumbing fixtures and equipment. Mechanical or plumbing fixtures and equipment shall be attached (or anchored) to the structure in accordance with Section R301.2.2.3.8
Section R503.2.4 is added to Chapter 5 of the CRC to read as follows:

**R503.2.4 Openings in horizontal diaphragms.**
Openings in horizontal diaphragms with a dimension perpendicular to the joist that is greater than 4 feet (1.2 m) shall be constructed in accordance with Figure R503.2.4.

![Diagram of diaphragm opening with metal ties and nails](image)

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

- **a.** Blockings shall be provided beyond headers.
- **b.** Metal ties not less than 0.058 inch ([1.47 mm (16 galvanized gage)](gauge_conversion)) by 1.5 inches (38 mm) wide with eight 16d common nails on each side of the header-joist intersection. The metal ties shall have a minimum yield of 33,000 psi (227 MPa).
- **c.** Openings in diaphragms shall be further limited in accordance with Section R301.2.2.2.5.

**FIGURE R503.2.4**

**OPENINGS IN HORIZONTAL DIAPHRAGMS**
Lines 35 and 36 of Table R602.3(1) of the CRC are amended to read as follows:

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION OF BUILDING ELEMENTS</th>
<th>NUMBER AND TYPE OF FASTENER</th>
<th>SPACING AND LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>24</td>
<td>2&quot; subfloor to joist or girder</td>
<td>3-16d box (3\1/2&quot; x 0.135&quot;) or 2-16d common (3\1/2&quot; x 0.162&quot;)</td>
<td>Blind and face nail</td>
</tr>
<tr>
<td>25</td>
<td>2&quot; planks (plank &amp; beam -- floor &amp; roof)</td>
<td>3-16d box (3\1/2&quot; x 0.135&quot;) or 2-16d common (3\1/2&quot; x 0.162&quot;)</td>
<td>At each bearing, face nail</td>
</tr>
<tr>
<td>26</td>
<td>Band or rim joist to joist</td>
<td>3-16d common (3\1/2&quot; x 0.162&quot;) or 4-10d box (3&quot; x 0.128&quot;) or 4-3&quot; x 0.131&quot; nails or 4-3&quot; x 14 ga. staples, 1/16&quot; crown</td>
<td>End nail</td>
</tr>
<tr>
<td>27</td>
<td>Build-up girders and beams, 2-inch lumber layers</td>
<td>20d common (4&quot; x 0.192&quot;) or 10d box (3&quot; x 0.128&quot;) or 5&quot; x 0.151&quot; nails</td>
<td>Nail each layer as follows: 32&quot; o.c. at top and bottom and staggered, 24&quot; o.c. face nail at top and bottom staggered on opposite sides</td>
</tr>
<tr>
<td>28</td>
<td>Ledger strip supporting joists or rafters</td>
<td>4-16d box (3\1/2&quot; x 0.135&quot;) or 3-16d common (3\1/2&quot; x 0.162&quot;) or 4-10d box (3&quot; x 0.128&quot;) or 4-3&quot; x 0.131&quot; nails</td>
<td>Face nail at ends and at each splice</td>
</tr>
<tr>
<td>29</td>
<td>Bridging to joist</td>
<td>2-16d (3&quot; x 0.128&quot;)</td>
<td>At each joist or rafter, face nail</td>
</tr>
</tbody>
</table>

**Wood structural elements, subfloor, roof, and interior wall sheathing to framing and particleboard wall sheathing to framing**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION OF BUILDING ELEMENTS</th>
<th>NUMBER AND TYPE OF FASTENER</th>
<th>SPACING OF FASTENERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
<td>(\frac{1}{8}&quot; - \frac{1}{2}&quot;&quot;)</td>
<td>6d common (2&quot; x 0.113&quot;) nail (subfloor, wall) 8d common (2\1/2&quot; x 0.131&quot;) nail (roof)</td>
<td>6 12f</td>
</tr>
<tr>
<td>31</td>
<td>(\frac{1}{4}&quot; - 1&quot;&quot;)</td>
<td>8d common nail (2\1/2&quot; x 0.131&quot;)</td>
<td>6 12f</td>
</tr>
<tr>
<td>32</td>
<td>(\frac{1}{8}&quot; - 1\frac{1}{4}&quot;&quot;)</td>
<td>10d common (3&quot; x 0.148&quot;) nail; or 8d (2\1/2&quot; x 0.131&quot;) deformed nail</td>
<td>6 12</td>
</tr>
</tbody>
</table>

**Other wall sheathing**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION OF BUILDING ELEMENTS</th>
<th>NUMBER AND TYPE OF FASTENER</th>
<th>SPACING OF FASTENERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
<td>(\frac{1}{2}&quot; structural cellulose fiberboard sheathing</td>
<td>1\1/2&quot; galvanized roofing nail; 1\1/6&quot; head diameter, or 1&quot; crown staple 16 ga., 1\1/4&quot; long</td>
<td>3 6</td>
</tr>
<tr>
<td>34</td>
<td>(\frac{1}{2}&quot; structural cellulose fiberboard sheathing</td>
<td>1\1/4&quot; galvanized roofing nail; 1\1/6&quot; head diameter, or 1&quot; crown staple 16 ga., 1\1/4&quot; long</td>
<td>3 6</td>
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<td>35</td>
<td>(\frac{1}{16}&quot; gypsum sheathing</td>
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<td>36</td>
<td>(\frac{1}{8}&quot; gypsum sheathing</td>
<td>1\1/4&quot; galvanized roofing nail; staple galvanized, 1\1/8&quot; long, 1\1/8&quot; screws, Type W or S</td>
<td>7 7</td>
</tr>
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</table>

**Wood structural panels, combination subfloor underlayment to framing**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>DESCRIPTION OF BUILDING ELEMENTS</th>
<th>NUMBER AND TYPE OF FASTENER</th>
<th>SPACING OF FASTENERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>37</td>
<td>(\frac{1}{8}&quot; and less</td>
<td>6d deformed (2&quot; x 0.120&quot;) nail; or 8d common (2\1/2&quot; x 0.131&quot;) nail</td>
<td>6 12</td>
</tr>
<tr>
<td>38</td>
<td>(\frac{1}{8}&quot; - 1&quot;&quot;)</td>
<td>8d common (2\1/2&quot; x 0.131&quot;) nail; or 8d deformed (2\1/2&quot; x 0.120&quot;) nail</td>
<td>6 12</td>
</tr>
<tr>
<td>39</td>
<td>(\frac{1}{8}&quot; - 1\frac{1}{4}&quot;&quot;)</td>
<td>10d common (3&quot; x 0.148&quot;) nail; or 8d deformed (2\1/2&quot; x 0.120&quot;) nail</td>
<td>6 12</td>
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</table>

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 mile per hour = 0.447 m/s; 1 ksf = 6.896 MPa.

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**TABLE 602.3(1)**

**FASTENING SCHEDULE—continued**

- Blind and face nail
- At each bearing, face nail
- End nail
- Face nail at ends and at each splice
- 24" o.c. face nail at top and bottom staggered on opposite sides
- Each end, toe nail

---

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TABLE R602.3(1)—continued
FASTENING SCHEDULE

a. Nails are smooth common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80 ksi for shank diameter of 0.192 inch (20d common nail), 90 ksi for shank diameters larger than 0.142 inch but not larger than 0.177 inch, and 100 ksi for shank diameters of 0.142 inch or less.
b. Staples are 16 gauge wire and have a minimum 1/16-inch diameter crown width.
c. Nails shall be spaced at not more than 6 inches on center at all supports where spans are 48 inches or greater.
d. Four-foot by 8-foot or 4-foot by 9-foot panels shall be applied vertically.
e. Spacing of fasteners not included in this table shall be based on Table R602.3(2).
f. Where the ultimate design wind speed is 130 mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6 inches on center. Where the ultimate design wind speed is greater than 130 mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6 inches on center for minimum 48-inch distance from ridges, eaves and gable end walls; and 4 inches on center to gable end wall framing.
g. Gypsum sheathing shall conform to ASTM C 1396 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to ASTM C 208.
h. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and required blocking, and at floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and required blocking. Blocking of roof or floor sheathing panel edges perpendicular to the framing members need not be provided except as required by other provisions of this code. Floor perimeter shall be supported by framing members or solid blocking.
i. Where a rafter is fastened to an adjacent parallel ceiling joist in accordance with this schedule, provide two toe nails on one side of the rafter and toe nails from the ceiling joist to top plate in accordance with this schedule. The toe nail on the opposite side of the rafter shall not be required.
j. Use of staples in braced wall panels shall be prohibited in Seismic Design Category D0, D1, or D2.

Footnote “b” of Table R602.3(2) of the CRC is amended to read as follows:

b. Staples shall have a minimum crown width of 7/16-inch on diameter except as noted. Use of staples in roof, floor, subfloor, and braced wall panels shall be prohibited in Seismic Design Category D0, D1, or D2.
Table R602.10.3(3) of the CRC is amended to read as follows:

<table>
<thead>
<tr>
<th>Seismic Design Category</th>
<th>Story Location</th>
<th>Braced Wall Line Length (feet)</th>
<th>Method LID&lt;sup&gt;d&lt;/sup&gt;</th>
<th>Method GE&lt;sup&gt;f&lt;/sup&gt;</th>
<th>Methods DWB, SFB, PRS, PCP, HPS, CS-SFB&lt;sup&gt;d&lt;/sup&gt;</th>
<th>Method WSP</th>
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(continued)
### Table R602.16.3(3)—continued

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<th>Seismic Design Category</th>
<th>Story Location</th>
<th>Braced Wall Line Length (feet)</th>
<th>Method LIB</th>
<th>Method GB</th>
<th>Method DB, SFB, PBS, PCF, HPS, CS, CS-SFB, CS-G</th>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

a. Linear interpolation shall be permitted.
b. Wall bracing lengths are based on a soil site class "D." Interpolation of bracing length between the $S_A$ values associated with the seismic design categories shall be permitted when a site-specific $S_A$ value is determined in accordance with Section 1613.3 of the International Building Code.
c. Where the braced wall line length is greater than 50 feet, braced wall lines shall be permitted to be divided into shorter segments having lengths of 50 feet or less, and the amount of bracing within each segment shall be in accordance with this table.
d. Method LIB shall have gypsum board fastened to not less than one side with nails or screws in accordance with Table R602.3(1) for exterior sheathing or Table R702.3.5 for interior gypsum board. Spacing of fasteners at panel edges shall not exceed 8 inches.
e. Method CS-SFB does not apply in Seismic Design Categories D₀, D₁, and D₂.
f. Methods GB and PCP braced wall panel bay ratio shall not exceed 1:1 in SDC $D₀, D₁$, or $D₂$. Methods DB, SFB, PBS, and HPS are not permitted in SDC $D₀, D₁$, or $D₂$.
Table R602.10.4 of the CRC is amended to read as follows:

<table>
<thead>
<tr>
<th>METHODS, MATERIAL</th>
<th>MINIMUM THICKNESS</th>
<th>FIGURE</th>
<th>CONNECTION CRITERIA*</th>
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</thead>
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<tr>
<td></td>
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<td></td>
<td>Fasteners</td>
</tr>
<tr>
<td>Portal frame with hold-downs</td>
<td>$\frac{1}{4}$&quot;</td>
<td>![Portal Frame Diagram]</td>
<td>See Section R602.10.6.2</td>
</tr>
<tr>
<td>Portal frame at garage</td>
<td>$\frac{1}{8}$&quot;</td>
<td>![Portal Frame Diagram]</td>
<td>See Section R602.10.6.3</td>
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<tr>
<td>Continuous sheathed wood structural panel</td>
<td>$\frac{1}{8}$&quot;</td>
<td>1502&quot;</td>
<td>6d common (2 1/2&quot;) or 1311&quot; nails</td>
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<tr>
<td>Continuous sheathed wood structural panel adjacent to garage openings</td>
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<td>1502&quot;</td>
<td>6d common (2 1/2&quot;) or 1311&quot; nails</td>
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<tr>
<td>Continuous sheathed portal frame</td>
<td>$\frac{1}{8}$&quot;</td>
<td>1502&quot;</td>
<td>See Method CS-WSP</td>
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<tr>
<td>Continuous sheathed structural fiberboard</td>
<td>$\frac{1}{4}$&quot; or $\frac{3}{16}$&quot; for maximum 16&quot; stud spacing</td>
<td>![Structural Fiberboard Diagram]</td>
<td>1½&quot; long x 0.12&quot; dia. (for $\frac{1}{8}$&quot; thick sheathing)</td>
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<tr>
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<td>1½&quot; long x 0.12&quot; dia. (for $\frac{3}{16}$&quot; thick sheathing)</td>
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<td>galvanized roofing nails or 8d common (2½&quot;) long x 0.131&quot; dia.) nails</td>
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</table>

For SI: 1 inch = 25.4 mm, 1 foot = 305 mm, 1 degree = 0.0175 rad, 1 pound per square foot = 47.8 N/m², 1 mile per hour = 0.447 m/s.

a. Adhesive attachment of wall sheathing, including Method GB, shall not be permitted in Seismic Design Categories C, D₂, D₃ and D₄.
b. Applies to panels next to garage door opening where supporting gable end wall or roof load only. Shall only be used on one wall of the garage. In Seismic Design Categories D₂, D₃ and D₄, roof covering dead load shall not exceed 3 psf.
c. Garage openings adjacent to a Method CS-WSP panel shall be provided with a header in accordance with Table R602.3(1). A full-height clear opening shall not be permitted adjacent to a Method CS-WSP panel.
d. Method CS-SFB does not apply in Seismic Design Categories D₂, D₃ and D₄.
e. Method applies to detached one- and two-family dwellings in Seismic Design Categories D₁ through D₄ only.
f. Methods GB and PFB braced wall panel w/h ratio shall not exceed 1:1 in SDC D₂, D₃ or D₄. Methods LFB, DFB, SFB, PBS, HPS, and PFG are not permitted in SDC D₃, D₄ or D₄.
g. Use of staples in braced wall panels shall be prohibited in SDC D₃, D₄, or D₄.
Figure R602.10.6.1 of the CRC is amended to read as follows:

**FIGURE R602.10.6.1**

**METHOD ABW—ALTERNATE BRACED WALL PANEL**

- PANEL LENGTH PER TABLE R602.10.5
- TOP PLATE SHALL BE CONTINUOUS OVER BRACED WALL PANEL
- FOR PANEL SPICE (IF NEEDED)
- ADJOINING PANEL EDGES SHALL MEET OVER AND BE FASTENED TO COMMON FRAMING
- 8D COMMON OR GALV. BOX NAILS @ 8" O.C. AT PANEL EDGES FOR SINGLE STORY AND @ 4" O.C. PANEL EDGES FOR THE FIRST OF 2 STORIES
- STUDS UNDER HEADER AS REQUIRED
- 8D COMMON OR GALV. BOX NAILS @ 12" O.C. AT INTERIOR SUPPORTS
- MIN. REINFORCING OF FOUNDATION, ONE #6 BAR TOP AND BOTTOM, LAP BARS 45° MINIMUM, 24" MINIMUM

MINIMUM FOOTING SIZE UNDER OPENING IS 12" X 12" + TURNED DOWN SIDE SHALL BE PERMITTED AT DOOR OPENING.
Figure R602.10.6.2 of the CRC is amended to read as follows:

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

**FIGURE R602.10.6.2**

**METHOD PFH—PORTAL FRAME WITH HOLD-DOWNS**

**AT DETACHED GARAGE DOOR OPENINGS**
Table R602.10.5 of the CRC is amended to read as follows:

<table>
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<th>METHOD (See Table R602.10.4)</th>
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<tr>
<td>SDC A, B and C, ultimate design wind speed &lt; 140 mph</td>
<td>GB</td>
<td>GB</td>
</tr>
<tr>
<td>SDC D&lt;sub&gt;1&lt;/sub&gt;, D&lt;sub&gt;2&lt;/sub&gt; ultimate design wind speed &lt; 140 mph</td>
<td>GB</td>
<td>GB</td>
</tr>
<tr>
<td>PFH</td>
<td>GB</td>
<td>GB</td>
</tr>
<tr>
<td>Supporting roof only</td>
<td>GB</td>
<td>GB</td>
</tr>
<tr>
<td>Supporting one story and roof</td>
<td>GB</td>
<td>GB</td>
</tr>
<tr>
<td>PGF</td>
<td>GB</td>
<td>GB</td>
</tr>
<tr>
<td>CS-G</td>
<td>GB</td>
<td>GB</td>
</tr>
<tr>
<td>SDC A, B and C</td>
<td>GB</td>
<td>GB</td>
</tr>
<tr>
<td>SDC D&lt;sub&gt;1&lt;/sub&gt;, D&lt;sub&gt;2&lt;/sub&gt;</td>
<td>GB</td>
<td>GB</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4 millimeters, 1 foot = 304.8 millimeters, 1 mile per hour = 0.447 meter per second.
NP = Not Permitted.
a. Linear interpolation shall be permitted.
b. Use the actual length where it is greater than or equal to the minimum length.
c. Maximum header height for PFH is 10 feet in accordance with Figure R602.10.6.2, but wall height shall be permitted to be increased to 12 feet with pony wall.
d. Maximum opening height for PGF is 10 feet in accordance with Figure R602.10.6.3, but wall height shall be permitted to be increased to 12 feet with pony wall.
e. Maximum opening height for CS-PF is 10 feet in accordance with Figure R602.10.6.4, but wall height shall be permitted to be increased to 12 feet with pony wall.
Section R602.10.2.3 of the CRC is amended to read as follows:

R602.10.2.3 Minimum number of braced wall panels. Braced wall lines with a length of 16 feet (4877 mm) or less shall have a minimum of two braced wall panels of any length or one braced wall panel equal to 48 inches (1219 mm) or more. Braced wall lines greater than 16 feet (4877 mm) shall have a minimum of two braced wall panels. No braced wall panel shall be less than 48 inches in length in Seismic Design Category D₀, D₁, or D₂.

Figure R602.10.6.4 of the CRC is amended to read as follows:

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.
Section R606.4.4 of the CRC is amended to read as follows:

**R606.4.4 Parapet walls.**
Unreinforced solid masonry parapet walls shall not be less than 8 inches (203 mm) thick and their height shall not exceed four times their thickness. Unreinforced hollow unit masonry parapet walls shall be not less than 8 inches (203 mm) thick, and their height shall not exceed three times their thickness. Masonry parapet walls in areas subject to wind loads of 30 pounds per square foot (1.44 kPa) or located in Seismic Design Category D₀, D₁ or D₂, or on townhouses in Seismic Design Category C shall be reinforced in accordance with Section R606.12.

Section R606.12.2.2.3 of the CRC is amended to read as follows:

**R606.12.2.2.3 Reinforcement requirements for masonry elements.**
Masonry elements listed in Section R606.12.2.2.2 shall be reinforced in either the horizontal or vertical direction as shown in Figure R606.11 (3) and in accordance with the following:

1. Horizontal reinforcement. Horizontal joint reinforcement shall consist of least one No. 4 bar spaced not more than 48 inches (1219 mm). Horizontal reinforcement shall be provided within 16 inches (406 mm) of the top and bottom of these masonry elements.

2. Vertical reinforcement. Vertical reinforcement shall consist of at least one No. 4 bar spaced not more than 48 inches (1219 mm). Vertical reinforcement shall be within 8 inches (406 mm) of the ends of masonry walls.

Exception of Section R602.3.2 and Table R602.3.2 of the CRC is amended to read as follows:

**R602.3.2 Single top plate**
**Exception:** In other than Seismic Design Category D₀, D₁ or D₂, a single top plate used as an alternative to a double top plate shall comply with the following:

1. The single top plate shall be tied at corners, intersecting walls, and at in-line splices in straight wall lines in accordance with Table R602.3.2.
2. The rafters or joists shall be centered over the studs with a tolerance of not more than 1 inch (25 mm).
3. Omission of the top plate is permitted over headers where the headers are adequately tied to adjacent wall sections in accordance with Table R602.3.2.
### Table R602.3.2
SINGLE TOP-PLATE SPlice CONNECTION DETAILS

<table>
<thead>
<tr>
<th>CONDITION</th>
<th>TOP-PLATE SPlice LOCATION</th>
<th>Corners and intersecting walls</th>
<th>Butt joints in straight walls</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Splice plate size</td>
<td>Minimum nails each side of joint</td>
<td>Splice plate size</td>
</tr>
<tr>
<td>Structures in SDC A-C and in SDC Dp, Dq and Dp with braced wall:less than 25 feet</td>
<td>$3&quot; \times 6&quot; \times 0.036&quot;$ galvanized steel plate or equivalent</td>
<td>(6) 8d box</td>
<td>$3&quot; \times 12&quot; \times 0.036&quot;$ galvanized steel plate or equivalent</td>
</tr>
<tr>
<td>Structures in SDC Dp, Dq and Dp with braced wall:less than 25 feet</td>
<td>$2\frac{1}{2}&quot; \times 0.062&quot;$ galvanized steel plate or equivalent</td>
<td>(6) 8d box</td>
<td>$2\frac{1}{2}&quot; \times 0.113&quot;$ nails</td>
</tr>
</tbody>
</table>

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm.

Section R803.2.4 is added to Chapter 8 of the CRC to read as follows:

**R803.2.4 Openings in horizontal diaphragms.**
Openings in horizontal diaphragms shall conform with Section R503.2.4.

Section R1001.3.1 of the CRC is amended to read as follows:

**R1001.3.1 Vertical reinforcing.**
For chimneys up to 40 inches (1016 mm) wide, four No. 4 continuous vertical bars adequately anchored into the concrete foundation shall be placed between wythes of solid masonry or within the cells of hollow unit masonry and grouted in accordance with Section R609. Grout shall be prevented from bonding with the flue liner so that the flue liner is free to move with thermal expansion. For chimneys more than 40 inches (1016 mm) wide, two additional No. 4 vertical bars adequately anchored into the concrete foundation shall be provided for each additional flue incorporated into the chimney or for each additional 40 inches (1016 mm) in width or fraction thereof."

**SECTION 3: Environmental Assessment.** The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

**SECTION 4: Construction.** This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.
SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance's effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ___ day of __________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of ________________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of ________________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

___________________________________
Tracy Weaver, City Clerk
ATTACHMENT 4

ORDINANCE No. 1526

Adopting 2016 California Electrical Code
ORDINANCE NO. 1526

AN ORDINANCE ADOPTING THE 2016 EDITION OF THE CALIFORNIA ELECTRICAL CODE ("CEC") AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing; and

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the California Electrical Code ("CPC") with the changes set forth in this Ordinance.

SECTION 2: Title 13, Chapter 3 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 3

ELECTRICAL CODE

13-3-1: ADOPTION OF CALIFORNIA ELECTRICAL CODE, 2016 EDITION.

Pursuant to California Government Code §§ 50022.1 to 50022.8, the California Electrical Code, 2016 Edition, published at Title 24, Part 3, of the California Code of Regulations, including Annexes A thru J ("CEC") is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CEC, is on file in the office of the Building Official and is available for public inspection as required by law."
SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo’s book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.
PASSED AND ADOPTED this ____ day of __________, 2016.

________________________
Suzanne Fuentes, Mayor

APPROVED AS TO FORM

________________________
Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA  
COUNTY OF LOS ANGELES  
CITY OF EL SEGUNDO  

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of ______________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of ______________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

________________________
Tracy Weaver, City Clerk
ATTACHMENT 5
ORDINANCE No. 1527

Adopting 2016 California Mechanical Code with amendments
ORDINANCE NO. 1527

AN ORDINANCE ADOPTING THE 2016 EDITION OF THE
CALIFORNIA MECHANICAL CODE ("CMC") WITH
AMENDMENTS AND AMENDING THE EL SEGUNDO MUNICIPAL
CODE TO REFLECT SUCH ADOPTION.

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the California Mechanical Code ("CMC") with the changes set forth in this Ordinance; and

F. Additional amendments have been made to Codes are found to be either administrative or procedural in nature or concern themselves with subjects not covered in such Codes. The changes made include provisions making each of said Codes compatible with other Codes enforced by the City.

SECTION 2: Title 13, Chapter 4 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 4

MECHANICAL CODE

13-4-1: ADOPTION OF CALIFORNIA MECHANICAL CODE, 2016 EDITION."
Pursuant to California Government Code § 50022.1 to 50022.8, the California Mechanical Code, 2016 Edition, published at Title 24, Part 4, of the California Code of Regulations, including Appendices A through G ("CMC") is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CMC, is on file in the office of the Building Official and is available for public inspection as required by law.”

13-4-1: AMENDMENTS TO THE CODE.

Section 107.0 of the CMC is hereby amended as follows:

CMC Section 107.0, Board of Appeals, is deleted in its entirety. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CMC.

Section 104.0 of the CMC is hereby amended to read as follows:

CMC Section 104.0 Permits, is deleted in its entirety. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CMC.

Section 104.5 of the CMC is hereby amended to read as follows:

CMC Section 104.5 Fees, is deleted in its entirety. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CMC.

SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.
SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance's effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ____ day of __________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the ______ day of ______________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the ______ day of ______________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

_______________________________
Tracy Weaver, City Clerk
ATTACHMENT 6
ORDINANCE No. 1528
Adopting 2016 California Plumbing Code with amendments
ORDINANCE NO. 1528

AN ORDINANCE ADOPTING THE 2016 EDITION OF THE CALIFORNIA PLUMBING CODE ("CPC") WITH AMENDMENTS AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION.

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the California Plumbing Code ("CPC") with the changes set forth in this Ordinance; and

F. Additional amendments have been made to Codes are found to be either administrative or procedural in nature or concern themselves with subjects not covered in such Codes. The changes made include provisions making each of said Codes compatible with other Codes enforced by the City.

SECTION 2: Title 13, Chapter 5 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

“CHAPTER 5

PLUMBING CODE

13-5-1: ADOPTION OF CALIFORNIA PLUMBING CODE, 2016 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the
California Plumbing Code, 2016 Edition, published at Title 24, Part 5, of the California Code of Regulations, including Appendices A, B, D, I, and L ("CPC") is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CPC, is on file in the office of the Building Official and is available for public inspection as required by law.

13-5-2: AMENDMENTS TO THE CODE.

Section 107.0 of the CPC is hereby amended to read as follows:

CPC Section 107.0, Board of Appeals, is deleted in its entirety. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CPC.

Section 103.3 of the CPC is amended to read as follows:

CPC Section 104.4 Permit Issuance, is deleted in its entirety. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CPC.

Section 104.5 of the CPC is hereby amended to read as follows:

CPC Section 104.5 Fees, is deleted in its entirety. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CPC."

SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., "CEQA") and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the "CEQA Guidelines") because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council's intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or
preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance's effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ___ day of _________, 2016.

__________________________
Suzanne Fuentes, Mayor

APPROVED AS TO FORM

______________________________
Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )
I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of ______________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of ______________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

________________________
Tracy Weaver, City Clerk
ATTACHMENT 7
ORDINANCE No. 1529
Adopting 2016 California Energy Code
ORDINANCE NO. 1529

AN ORDINANCE ADOPTING THE 2016 EDITION OF THE CALIFORNIA ENERGY CODE ("CEC") AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing; and

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the California Energy Code ("CEC") with the changes set forth in this Ordinance.

SECTION 2: Title 13, Chapter 6 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 6

ENERGY CODE

13-6-1: ADOPTION OF CALIFORNIA ENERGY CODE, 2016 EDITION.

Pursuant to California Government Code §§ 50022.1 to 50022.8, the California Energy Code, 2016 Edition, published at Title 24, Part 6, of the California Code of Regulations. One true copy of the CEC, is on file in the office of the Building Official and is available for public inspection as required by law."
SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., "CEQA") and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the "CEQA Guidelines") because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council's intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance's effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.
PASSED AND ADOPTED this ____ day of ________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of _________________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of _________________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

__________________________
Tracy Weaver, City Clerk
ATTACHMENT 8
ORDINANCE No. 1530
Adopting 2015 International Property Maintenance Code with amendments
ORDINANCE NO. 1530

AN ORDINANCE ADOPTING THE 2015 EDITION OF THE INTERNATIONAL PROPERTY MAINTENANCE CODE ("IPMC") WITH AMENDMENTS AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the International Property Maintenance Code ("IPMC") with the changes set forth in this Ordinance; and

F. Additional amendments have been made to Codes are found to be either administrative or procedural in nature or concern themselves with subjects not covered in such Codes. The changes made include provisions making each of said Codes compatible with other Codes enforced by the City.

SECTION 2: Title 13, Chapter 7 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 7

PROPERTY MAINTENANCE CODE

13-7-1: ADOPTION OF INTERNATIONAL PROPERTY MAINTENANCE CODE, 2015 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the
International Property Maintenance Code ("IPMC"), 2015 Edition, promulgated and published by the International Code Council, including Appendix A, is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the IPMC, is on file in the office of the Building Official and is available for public inspection as required by law."

Section 13-7-2: AMENDMENTS TO THE CODE:

Section [A]111.2 of the IPMC is hereby amended to read as follows:

IPMC Section [A] 111.2 Membership of board, is deleted in its entirety. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the IPMC.

Sections [A]111.2.1 through [A]111.8 of the IPMC are hereby deleted."

SECTION 3: Section 13-7-3 of the ESMC is hereby deleted.

SECTION 4: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., "CEQA") and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the "CEQA Guidelines") because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 5: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council's intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 6: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance's effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 7: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the
provisions of this Ordinance are severable.

SECTION 8: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 9: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo’s book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 10: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 11: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ___ day of _________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the___ day of ______________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the ___ day of ______________, 2016, and the same was so passed and adopted by the following vote:

3
AYES:
NOES:
ABSENT:
ABSTAIN:

Tracy Weaver, City Clerk
ATTACHMENT 9

ORDINANCE No. 1531

Adopting 2015 International Pool and Spa Code with amendments
ORDINANCE NO. 1531

AN ORDINANCE ADOPTING THE 2015 EDITION OF THE INTERNATIONAL SWIMMING POOL AND SPA CODE ("ISPSC") AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The Council of the City of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the International Swimming Pool and Spa Code ("ISPSC") with the changes set forth in this Ordinance; and

F. Additional amendments have been made to Codes are found to be either administrative or procedural in nature or concern themselves with subjects not covered in such Codes. The changes made include provisions making each of said Codes compatible with other Codes enforced by the City.

SECTION 2: Title 13, Chapter 8 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 8

SWIMMING POOL AND SPA CODE

13-8-1: ADOPTION OF INTERNATIONAL SWIMMING POOL AND SPA CODE, 2015 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the
International Swimming Pool and Spa Code ("ISPSC"), 2015 Edition, promulgated and published by the International Code Council, including Appendices A through D, is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the ISPSC, is on file in the office of the Building Official and is available for public inspection as required by law.

13-8-2: AMENDMENTS TO THE CODE:

Section [A]108.2 Membership of board, is deleted in its entirety. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the ISPSC.”

SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption
of this Ordinance; cause it to be entered into the City of El Segundo’s book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ____ day of __________, 2016.

______________________________
Suzanne Fuentes, Mayor

APPROVED AS TO FORM

______________________________
Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of __________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of __________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

______________________________
Tracy Weaver, City Clerk
ATTACHMENT 10
ORDINANCE No. 1532
Adopting 2016 California Fire Code with amendments
ORDINANCE NO. 1532

AN ORDINANCE ADOPTING THE 2016 EDITION OF THE CALIFORNIA FIRE CODE; CHAPTERS 1, DIVISION 2, 3, AND 4, AND SECTIONS 503, 510.2 AND 1103.2 OF THE INTERNATIONAL FIRE CODE, 2015 EDITION; AND AMENDING SUCH CODES BASED UPON LOCAL CLIMATIC, TOPOGRAPHICAL, AND GEOLOGICAL CONDITIONS; AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH CHANGES.

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds that certain local climatic, geological, or topographical conditions exist as follows:

A. Climatic - The City experiences periods of extremely high temperatures accompanied by low humidity and high winds each year. These conditions could create an environment in which the Fire Department may be unable to control fires occurring in vegetation as well as structures not having built in fire protection.

B. Geological - The City is located in a seismically active area. A significant earthquake could render the Fire Department incapable of providing adequate fire protection. In that instance, built-in fire protection would be relied upon for controlling most structural fires.

C. After due consideration, the City Council finds and determines that due to these local climatic, geological, or topographical conditions that amendments, additions, and deletions to the California Fire Code, 2016 Edition, are reasonably necessary to provide sufficient and effective levels of fire safety for the protection of life, health and property. Specifically, these amendments are made as follows:

1. IFC § 503 - Provides a means of ensuring that fire department access to buildings and fire hydrants is provided uniformly in the City during periods of low humidity and high winds, potential seismic activity, or in areas of restricted access present in the City.

2. CFC § 505.1, 507.5.1.1 - Provides a means of ensuring that fire department access to buildings and fire hydrants is provided uniformly in the City during periods of low humidity and high winds, potential seismic activity, or in areas of restricted access present in the City.


1. CFC § 5601.13, 5601.7 and 5601.17. Prohibits the general use of fireworks, including "Safe and Sane" fireworks, and authorizes the fire code official to confiscate fireworks in order to reduce the danger from fire during periods of low humidity and high winds. 

2. CFC § 1031.10. Requires fire escapes to be kept clear and in constant use. Requires an annual inspection by a certified individual. 

3. CFC § 901.4.7 - 901.5.5. Requires fire sprinkler systems to be installed and maintained in a manner that will provide adequate protection during periods of low humidity and high winds. Provides a means of ensuring that fire protection systems are installed and maintained in a manner that will provide adequate protection during periods of low humidity and high winds. Potential seismic activity, or in areas of restricted access present in the City.

4. CFC § 605.11.2.2 - 605.11.12.5. Provides a means of ensuring that fire protection systems are installed and maintained in a manner that will provide adequate protection during periods of low humidity and high winds. Potential seismic activity, or in areas of restricted access present in the City.

5. CFC § 901.4.7. Provides a means of ensuring that fire protection systems are installed and maintained in a manner that will provide adequate protection during periods of low humidity and high winds. Potential seismic activity, or in areas of restricted access present in the City.

6. CFC § 903.5.3. Requires that fire sprinkler systems are designed to allow for water reduction during periods of low humidity and high winds. Potential seismic activity, or in areas of restricted access present in the City.

7. CFC § 915.1 - 915.8.2.6. Requires the installation of fire protection and life safety equipment in new mid-rise buildings that increase the fire and life safety of the structures/buildings in order to provide adequate protection during periods of low humidity and high winds. Potential seismic activity, or in areas of restricted access present in the City.

8. CFC § 903.5.3. Requires that fire sprinkler systems are designed to allow for water reduction during periods of low humidity and high winds. Potential seismic activity, or in areas of restricted access present in the City.

9. CFC § 1031.10. Requires fire escapes to be kept clear and in constant use. Requires an annual inspection by a certified individual. 

10. CFC Appendix B. § B105.2. Reduces the available fire flow to reduction to 50 percent to increase site available fire flow to ensure the fire escapes are operable due to potential seismic activity.
provide adequate fire protection and life safety during periods of low humidity and high winds, potential seismic activity, or in areas of restricted access present in the City.

SECTION 2: Title 13, Chapter 9 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 9
13-9-2: FIRE CODE

13-09-01 ADOPTION OF CODES.
13-09-02 AMENDMENTS, ADDITIONS, AND DELETIONS.
13-09-03 ADDING APPENDIX M TO THE CFC.
13-09-04 GEOGRAPHICAL LIMITS.

Pursuant to California Government Code §§ 50022.1 to 50022.8, the City adopts and incorporates by reference the California Fire Code, 2016 Edition ("CFC"), including Appendixes A, B, and C published drafted and published by the International Code Council, 500 New Jersey Avenue NW, 6th Floor, Washington DC, 20001-2070 and the California Building Standards Commission, 2525, Natoma Park Drive, Suite 130, Sacramento, California 95833. The City also adopts and incorporates by reference Chapters 1, Division 2, 3, 4, and Sections 503, 510.2 and 1103.2 of the International Fire Code, 2016 Edition, published by the International Code Council, not included in the California Building Standards Code, as modified and amended by this chapter. Should the changes set forth below conflict with the provisions of any other locally adopted code, these changes will prevail. The CFC and the IFC will apply to all occupancies within the City's jurisdiction. One (1) true copy of each code is on file with the City Clerk and is available for public inspection as required by law.

13-09-02: AMENDMENTS, ADDITIONS AND DELETIONS.

After due consideration, the City Council has found that as a result of existing local climatic, geological, or topographical conditions that amendments, additions, and deletions to the CFC are reasonably necessary to provide sufficient and effective levels of fire safety for the protection of life, health and property. Therefore, the CFC is amended, added to, or deleted from, as set forth below:

§ 104.10.2 Technical assistance. When there is a fire, explosion, hazardous materials incident or other potential life or serious property threatening situation, the fire code official can request the owner to or operator to hire a private fire
protection or hazardous materials investigator, acceptable to the fire code official and at the expense of the owner or operator, to provide a full report of the incident, including, without limitation, such matters as origin, cause, circumstances or proposed solution to the problem.

§ 104.11.4 Financial Responsibility. Any person who personally, or through another, willfully, negligently, or in violation of law, sets a fire, allows a fire to be set, or allows a fire kindled or attended by him/her to escape from his/her control, allows any hazardous material to be handled, stored, disposed of or transported in a manner not in accordance with this Code, State law or nationally recognized Standards, allows any hazardous material to escape from his/her control, allows continuation of a violation of this Code is liable for the expense of fighting the fire or for the expenses incurred during a hazardous materials incident, and such expense will be a charge against that person.

§ 105.2 Application for Permit. Applications for permits will be made to the fire prevention office in such form and detail as prescribed by the fire code official. Applications for permits must be accompanied by such plans as required by the fire code official. Any applicable permit fees must be paid at the time of application for the permit.

§ 105.6.50 Battery systems. To install or operate stationary storage battery systems having a liquid capacity of more than 50 gallons (189 L) for flooded lead acid, nickel cadmium (NiCad) and valve-regulated lead acid (VRLA), or 1,000 pounds (454 kg) for lithium-ion, used for facility standby power, emergency power or uninterruptible power supplies. See Section 608.

§ 105.6.51 Woodworking. To operate a business which conducts woodworking, or operates as a cabinet shop or other similar purposes.

§ 105.7.13 Rooftop obstructions. A construction permit is required to install or modify rooftop gardens or landscaped roofs.

§ 106.2.1 Inspection requests. It is the duty of the holder of the permit or their duly authorized agent to notify the fire code official when work is ready for inspection. It is the duty of the permit holder to provide access to and means for inspection of such work that are required by this code. Every request for inspection must be filed not less than two working days before such inspection is desired. Such request may be in writing or by telephone.

§ 108.4 Filing fee and application. The City will assess a fee in an amount set by resolution at the time that an appellant files an appeal of any order, decisions, or determination made by the fire code official relative to the application and interpretation of this Code. The fee is refundable should the appellant prevail in a decision by the Board. The appeal must be taken by filing a written notice of appeal, in
letterform, to the Board of Appeals. The Board's decision constitutes the City's final decision.

§ 109.4 Violation penalties. Persons who violate a provision of this code or fail to comply with any of its requirements or who erects, installs, alters, repairs or does work in violation of the approved construction documents or directive of the fire code official, or of a permit or certificate used under provisions of this code, is guilty of a misdemeanor, punishable by a fine of not more than $1,000 dollars or by imprisonment not exceeding 6 months, or both such fine and imprisonment. Each day that a violation continues after due notice has been served constitutes a separate offense.

§ 202 GENERAL DEFINITIONS are amended to add and/or modify the following definitions to read as follows:

"Building Access" means an exterior door opening conforming to all of the following:

1. Suitable and available for fire department use, opening onto or adjacent to a public way or a fire department access road as described in Section 902.

2. Located not more than 2 feet (609.6 mm) above adjacent ground level.

3. Leading to a space, room or area having foot traffic communication capabilities with the remainder of the building.

4. Designed to permit access with the use of keys available in an approved key lock box.

"Fire Code Official" is the Fire Chief or a duly authorized representative.

"Low-Rise Building" is any building that is less than four stories in height from the lowest level of fire department access. Measurement will be from the topside of the highest floor level that can be occupied to the lowest floor level of building access, as defined in Section 202.

"Mid-Rise Building" is any building having space used for human occupancy four complete stories or more in height while being 75 feet (22,860 mm) or less in height and not defined as a high-rise building by Section 202. Measurement will be from the topside of the highest floor level that can be occupied to the lowest floor level of-building access, as defined in Section 202.
§ 308.1.4 Open-flame cooking devices. is deleted

§ 311.5 Placards. is deleted

§ 503 Fire Apparatus Access Roads is adopted with the following amendments:

§ 503.1.1 Buildings and facilities. Approved fire apparatus access roads must be provided for every facility, building or portion of a building hereafter constructed or moved into or within the jurisdiction. The fire apparatus access road must comply with the requirements of this section and extend to within 150 feet (45,720 mm) of all portions of the facility and all portions of the exterior walls of the of the first story of the building as measured by an approved route around the exterior of the building or facility. The fire code official has the authority to designate fire apparatus access roads on private property.

Exception: The fire code official is authorized to increase to dimension of 150 feet (45,720 mm) where:

1. The building is equipped throughout with an approved automatic sprinkler system installed in accordance with Section 903.3.1.1, 903.1.2 or 903.3.1.3.

2. Fire apparatus access roads cannot be installed because of location on property, topography, waterways, nonnegotiable grades or other similar conditions, and an approved alternative means of fire protection is provided.

3. There are not more than two Group R-3 or Group U occupancies.

§ 503.2.1 Dimensions. Fire apparatus access roads must have an unobstructed width of not less than 20 feet (6096 mm) exclusive of shoulders, except for approved security gates in accordance with Section 503.6, and an unobstructed vertical clearance of not less than 15 feet (4572 mm).

Exception:

1. When serving only one Group R, Division 3 or Group U Occupancy the unobstructed width of the access road may be 12 feet (3658 mm).

§ 503.2.1.1 Access roads with vehicle parking. No access roads can be less than 32 feet (9754 mm) in width if the vehicle parking is permitted on one side of the access road and not less than 40 feet (12, 192 mm) if vehicle parking is permitted on both sides of the access road. To permit the free passage of vehicles, access roads designated for vehicle parking on only one side must have
signs or markings prohibiting the parking of vehicles on the traffic flow side of the roadway.

§ 503.2.1.2 Road divider. An access road divider into separate adjacent one-way traffic lanes by a curbed divider or similar obstacle must not be less than 15 feet (4572 mm) in unobstructed width on each side of the divider.

§ 503.2.4 Turning radius. The inside turning radius of a fire apparatus access road must be a minimum of 60 feet, outside and 40 feet, inside.

§ 503.4 Obstruction of fire apparatus access roads. Fire apparatus access roads cannot be obstructed in any manner, including the parking of vehicles. The minimum widths and clearances established in Section 503.2.1 must be maintained at all times. Speed bumps and speed humps must be approved before installation.

§ 505.1 Address numbers. Approved address numbers and letters must be placed on all new and existing buildings and units in such a location as to be plainly visible and legible from the street or road fronting such buildings and units. Numbers and letters must be at least four (4) inches in height for residential, six (6) inches in height for commercial, and twelve (12) inches in height for industrial buildings and units and may not be located on doors or other areas that can be obstructed from view. The numbers and letters will be in a color that contrasts with their background and must be in the City's approved numbering sequence. Residential, commercial and industrial buildings and units that are served by an alley or a fire apparatus access roadway to the rear of the building must also have approved address numbers and letters posted in a visible location near the primary door to the alley or a fire apparatus access roadway. Address identification shall be maintained.

§ 505.1.1 Directory. For complexes and large buildings, a directory or premises map with approved addressing must be installed and maintained at a location and in format as approved by the fire code official.

§ 507.5.1.1 Hydrant for sprinkler systems and standpipe systems. Buildings equipped with a an automatic sprinkler system or a standpipe system installed in accordance with Sections 903 or 905 must have a fire hydrant within 80 feet of the fire department connection.

Exception: The distance may be permitted to exceed 80 feet where approved by the fire code official.

§ 510.2 Emergency responder radio coverage in existing buildings. is adopted.
§ 605.11.1.2.2 Hip Roof Layouts. Panels and modules installed on Group R-3 buildings with hip roof layouts shall be located in a manner that provides a minimum 3-foot-wide (914 mm) clear perimeter around the edges of the roof. The access pathway shall be capable of supporting the firefighters accessing the roof.

§ 605.11.1.2.3 Single ridge roof layout. Panels and modules installed on Group R-3 buildings with a single ridge roof layouts shall be located in a manner that provides a minimum 3-foot-wide (914 mm) clear perimeter around the edges of the roof. The access pathway shall be capable of supporting the firefighters accessing the roof.

§ 605.11.1.2.5 Allowance for smoke ventilation operations. Panels and modules installed on Group R-3 buildings shall be not less than 1 foot from the ridgeline, and shall be located on only one side of any ridge to allow for smoke ventilation operations on the opposing side.

**Exception:**

1. Where solar panels are located a minimum of 5 feet from the ridge on the opposing side.

2. Where alternative means of allowance for smoke ventilation operations have been approved by the fire chief.

§ 901.4.7 Partial fire sprinkler systems. Where in this Code or the Building Code a partial fire sprinkler system is required, the fire sprinkler system must be installed, modified or extended to protect the entire building or structure.

§ 901.11 Problematic systems. In the event of a failure of a fire protection system or 2 or more alarms in a week where the fire code official finds no evidence of a situation requiring a response, the fire code official is authorized to require the building owner or occupant to provide a fire watch until the system is repaired. Fire watch personnel must be provided with at least one approved means for notification of the Fire Department and their only duty is to perform constant patrols of the protected premises and keep watch for fires.

§ 903.2.11.3 Building 4 stories or more in height. An automatic sprinkler system must be installed throughout all buildings having usable floor area four stories or more above grade, or buildings attached thereto.

**Exceptions:**

1. Airport control towers
2. Open parking structures.
3. Occupancies in Group F-2.
§ 903.2.20 Structures in the Smoky Hollow Specific Plan Area. An automatic sprinkler system must be provided throughout every facility or building hereafter constructed within the Smoky Hollow Specific Plan Area.

§ 903.3.1.2.2 Protection of attached garages. Residential occupancies protected by an automatic sprinkler system in accordance with NFPA 13R must have automatic sprinklers installed in attached garages and in other areas as required by the fire code official.

§ 903.3.1.3.1 Protection of attached garages. Residential occupancies protected by an automatic sprinkler system in accordance with NFPA 13D must have automatic sprinklers installed in attached garages and in other areas as required by the fire code official.

§ 903.3.5.3 Hydraulically calculated systems. The design of hydraulically calculated fire sprinkler systems shall not exceed 90% of the water supply capacity.

§ 903.3.8 Shutoff valves. Sprinkler shut off valves are required on each floor of buildings three stories or greater in height.

§ 903.4.2. Alarms. One exterior approved audible and visible device, located on the exterior of the building in an approved location, shall be connected to each automatic sprinkler system. Such sprinkler water-flow alarm device shall be activated by water flow equivalent to the flow of a single sprinkler of the smallest orifice size installed in the system. Where a fire alarm system is installed, actuation of the automatic sprinkler system shall actuate the building fire alarm system.

§ 903.4.2.1 Exterior audible and visible alarm notification shall be provided on NFPA 13, NFPA 13R and NFPA 13D systems.

§ 905.5.3 Intentionally blank.

§ 907.6.5 Monitoring. All fire alarm and detection systems must be monitored by an approved central station as defined in NFPA 72. A (UL) Underwriters Laboratories Certificate or (FM) Factory Mutual Placard must be provided and maintained by a UL Listed or FM Approved fire alarm contractor who provides runner service in accordance with the 2013 Edition of NFPA 72, Chapter 26 for all newly installed fire alarm systems in commercial occupancies.

Exception. Supervisory service is not required for:

1. Single and multiple-station smoke alarms required by Section 907.2.11.
2. Smoke detectors in Group 1-3 occupancies.
3. Automatic sprinkler systems in one and two-family dwellings.

SECTION 915 MID-RISE BUILDINGS

SECTION 915.1 General

§ 915.1.1 Scope. In addition to other applicable provisions of this code, other laws and regulations, and any policies of the fire code official, the provisions of this article apply to every mid-rise building, of any type construction, newly constructed after the adoption of this Code, or which undergoes a complete renovation that requires the complete vacancy of the building.

Exceptions: The following structures, while defined as mid-rise buildings, are not subject to this article:

1. Buildings used exclusively as open parking garage;

2. Buildings where all floors above the third floor (9,144 mm) level are used exclusively as open parking garage;

1. Buildings such as power plants, lookout towers, steeples, grain houses, and similar structures with non-continuous human occupancy, when so determined by the fire code official;

2. Buildings used exclusively for jails, prisons and hospitals.

§ 915.1.2 Definitions. For definitions of MID-RISE BUILDING and BUILDING ACCESS, see Section 202.

§ 915.2 Building Access.

§ 915.2.1 Building Access. Building access must be provided and approved by the fire code official.

§ 915.3 Fire and Life Safety Requirements.

§ 915.3.1 Automatic Fire Sprinklers. Every mid-rise building must be protected throughout by an automatic fire sprinkler system that is designed and installed in conformance with NFPA 13. A shut-off valves and a water flow alarm device must be provided for each floor.

§ 915.3.2 Standpipes. Every mid-rise building must be provided with a class I standpipe system in each required stairway. The standpipe system must be interconnected with the fire sprinkler system. The system must consist of 2% inch hose valves provided for each floor level above or below grade. Two hose outlets
must also be located on the roof, outside of each stair shaft enclosure that penetrates the roof. Hose connections must be located in the exit vestibule, unless otherwise approved by the fire code official.

§ 915.3.3 Smoke Detection. Smoke detectors must be provided in accordance with this section. Smoke detectors must be connected to an automatic fire alarm system installed in accordance with NFPA 72. The actuation of any detector required by this section will operate the emergency voice alarm signaling system and will place into operation all equipment necessary to prevent the circulation of smoke through air return and exhaust ductwork.

§ 915.3.3.1 Location. Smoke detectors must be located as follows:

1. In every elevator machinery room and in all elevator lobbies. Elevator lobby detectors must be connected to an alarm verification zone or be listed as a releasing device.

2. In the main return-air and exhaust-air plenum of each air-conditioning system. Such device must be located in a serviceable area downstream of the last duct inlet.

3. At each connection to a vertical duct or riser serving two or more stories from a return-air duct or plenum of an air conditioning system. In Group R-1 and R-2 Occupancies, an approved smoke detector may be used in each return-air riser carrying not more than 5,000 cubic feet per minute and serving not more than 10 air inlet openings.

4. For Group R-1 and R-2 Occupancies, in all corridors serving as a means of egress for an occupant load for 10 or more.

§ 915.3.4 Smoke Control. A passive or active smoke control system must be provided for all mid-rise buildings whenever a complete floor is in excess of 55 feet (16.764 mm) from the lowest point of Fire Department access. Such system must be mechanical and must be designed, installed and tested to be in compliance with Section 909.

§ 915.3.5 Fire Alarm System. An approved and listed, automatic and manual, fully addressable and electronically supervised fire alarm system must be provided in conformance with this code and any policies of the Fire Prevention Division.

§ 915.3.6 Emergency voice alarm signaling system. The operation of any automatic or manual fire alarm initiating device must automatically sound an alert tone followed by a pre-recorded voice instruction giving appropriate information and direction on a general or selective basis to entire building, occupied and
normally non-occupied areas.

§ 915.3.6.1 Pre-recorded instructions. The content of the voice alarm instruction must be approved by the El Segundo Fire Department.

§ 915.3.6.2 Manual override. A manual override for emergency voice communication must be provided for all paging zones.

§ 915.4 Central Control Station.

§ 915.4.1 General. A central control station room for fire department-operations must be provided. The location and accessibility of the central control station room must be approved by the fire department. The room must be separated from the remainder of the building by not less than one-hour, fire resistive occupancy separation. The room must be a minimum of 200 square feet with a minimum dimension of 8 feet. It must contain the following as a minimum:

1. The voice alarm and public address panels.
2. The fire alarm annunciator panel.
3. Elevator annunciator panel when the building exceeds 55 feet in height.
4. Status indicators and controls of air handling systems.
5. Controls for unlocking stairwell doors.
6. Annunciator panels for emergency and stand-by power status.
7. Annunciator panels for fire pump status.
8. Complete building plans set.
10. Elevator control switches for switching of emergency power.

§ 915.4.2 Annunciation identification. Control panels in the central control station must be permanently identified as to function. Water flow, automatic fire detection and manually activated fire alarms, supervisory and trouble signals must be monitored by an approved, UL listed Central Monitoring Station or Proprietary Monitoring Station and annunciated in the central control station by means of an audible and visual indicator. For the purposes of annunciation, zoning must be in accordance with the following:

1. When the system serves more than one building, each building must be considered separately.
2. Each floor must be considered a separate zone.
3. When one or more risers serve the same floor, each riser must be considered a separate zone.

§ 915.5 Elevators.
§ 915.5.1 Standards. Elevators and elevator lobbies must be provided and must comply with the California Building Code and the following:

§ 915.5.2 General. At least one elevator cab must be assigned for Fire Department use, which serves all floors of the building. All provisions hereinafter are in reference to said elevator cab(s).

§ 915.5.2.1 Size. The size of the elevator cab must have dimensions as specified in Section 915.5.2.1.1.

§ 915.5.2.1.1 Ambulance Stretcher. The elevator cab must be provided with adequate dimensions to accommodate an ambulance type stretcher in accordance with the provisions of Section 3002.4a.1 of California Building Code.

§ 915.6 Standby Power.

§ 915.6.1 General. An on-site standby power system conforming to the Electrical Code must be provided. In the event of failure of the normal power source, the standby power system must provide an alternate source of electrical power to serve at least the designated loads as set forth in Section 915.6.2 at full power. The system may consist of an on-site generator or a system of batteries, or both. The installation must be in accordance with this code, nationally recognized standards, and any policies of the fire code official.

§ 915.6.2 Loads. The power load requirements for sizing the standby power system must include, without limitation to the following:

1. Exit signs and exit path illumination;
2. Fire alarm system;
3. Elevator(s) assigned for fire department use;
4. Electrically driven fire pumps (if provided);
5. Smoke control systems;
6. Stairwell pressurization;
7. Lighting circuits supplying all elevator cabs, elevator lobbies, generator room, fire pump room, and other areas designated by the fire code official.

§ 915.6.3 Fuel Supplies. On-site fuel supplies for prime movers of a standby power generator must be sufficient for at least 48 hours at the generator's listed full load. Where fuel supplies require automatic transfer into a primary tank from
a secondary fuel storage tank, the fuel transfer system must be provided with redundant fuel pumps to insure reliability. The fuel supply tank provided must be capable of storing at least 200% of the calculated amount of fuel needed.

§ 915.7 Emergency Electrical System

§ 915.7.1 General. Electrical systems and equipment specified in Section 915.6 are classed as emergency systems and must be installed in accordance with this code, NFPA 110, NFPA 111 and policies of the fire code official. Such systems must operate within 10 seconds of failure to normal power supply. Such emergency power supply may be separate from the standby power required for fire pumps and elevators assigned for fire department use.

§ 915.7.2 Emergency Systems. The following are classed as emergency systems:

1. Exit signs and means of egress illumination

2. Fire alarm system

3. Fire detection system

4. Sprinkler alarm system

5. Elevator cab lighting

6. Smoke control systems.

§ 915.8 Means of Egress

§ 915.8.1 General. Means of egress must comply with the provisions of Section 915.8.

§ 915.8.1 Stairway enclosures. All stairways used for exiting must be protected by an exit enclosure designed in accordance with the California Building Code, Section 1020.1 and this Section.

§ 915.8.2.1 Construction. Construction of stairway enclosures must in accordance with the California Building Code, Section 1005.3.3.2 1023.

§ 915.8.2.2 Extent of Enclosure. Stairway enclosures must be continuous and must fully enclose all portions of the stairway. Exit enclosure must exit directly to the exterior of the building or include an exit passageway on the ground floor, leading to the exterior of the building. Each exit enclosure must extend completely through the roof and be provided with a door that leads onto the roof.
§ 915.8.2.3 Openings and Penetrations. Openings and Penetrations must be as specified in the California Building Code, Section 4020.1, 41023.4 and 1023.5.

§ 915.8.2.4 Pressurized Enclosures. A pressurized stairway enclosure must be provided for all mid-rise buildings whenever a complete floor is in excess of 55 feet (16.764 mm) from the lowest point of Fire Department access. The pressurized stairway must be designed and pressurized as specified in the California Building Code, Section 909.20.

§ 915.8.2.4.1 Vestibules. Pressurized stairway enclosures, serving Mid-Rise buildings must be provided with a pressurized entrance vestibule on each floor that complies with the California Building Code, Section 909.20.

§ 915.8.2.4.1.1 Vestibule Size. Vestibule size must be not less than 44 inches in width and not less than 72 inches in the direction of travel.

§ 915.8.2.4.1.2 Vestibule Construction. Vestibules must have walls, ceilings and floors of not less than two-hour fire resistive construction.

§ 915.8.2.4.1.3 Vestibule Doors. Vestibule doors must comply with California Building Code, Section 909.20.

§ 915.8.2.4.1.4 Pressure Differences. The minimum pressure difference within a vestibule must comply with California Building Code, Section 909.20.

§ 915.8.2.4.1.5 Standpipes. Fire Department standpipe connections and valves serving the floor must be within the vestibule and located in a manner so as not to obstruct egress when hose lines are connected and charged.

§ 915.8.2.5 Locking of Stairway doors. All stairway doors that are locked to prohibit access from the stairway side must have the capability of being unlocked simultaneously, without unlatching, upon a signal from the fire control room. Upon failure of normal electrical service, or activation of any fire alarm, the locking mechanism must automatically retract to the unlocked position. Hardware for locking of stairway doors must be State Fire Marshal listed and approved by the fire code official by permit before installation. Stairway doors located between the vestibules and stairway shaft must not be locked.

§ 915.8.2.6 Communications. A telephone or other two-way communications system connected to an approved emergency service which operates continuously must be provided at not less than every third floor in each required exit stairway vestibule.

§ 1031.10 Fire escape maintenance. Fire escapes must be kept clear and unobstructed at all times, must be maintained in good working order at all times
and must receive an annual inspection by a Los Angeles Fire Department Regulation 4 certified individual. The inspection records must remain on site for Fire Department review.

§ 1103.2 Emergency responder radio coverage is existing buildings. is adopted

§ 3304.8 Fire retardant plastic sheeting and tarpaulins. Fire retardant tarpaulins and sheeting must be used to barricade construction areas from occupied building spaces and to provide floor or wall protection in occupied buildings.

§ 5601.1.3 Fireworks. The possession, manufacture storage, sale, handling and use of fireworks are prohibited. The possession, sale, use, and/or discharge of “Safe and Sane” fireworks is prohibited.

Exceptions:
1. Storage and handling of fireworks as allowed by Section 5604.

2. Manufacture, assembly and testing of fireworks as allowed in Section 5606 and Health and Safety Code Division 11.

3. The use of fireworks for fireworks displays, pyrotechnic before a proximate audience and pyrotechnic special effects in motion pictures, television, theatrical or group entertainment productions are allowed in Title 19, Division 1, Chapter 6 Fireworks reprinted in Section 5608 and Health and Safety Code Division 11.

§ 5601.7 Seizure of Fireworks. The fire code official and police authority have the authority to seize, take and remove fireworks stored, sold, offered for sale, used or handled in violation of the provisions of Title 19, California Code of Regulations, Chapter 6 and California Health and Safety Code, Chapter 9.

§ 5601.7.1 Financial Responsibility. See section 104.11.4 Financial Responsibility for cost recovery of enforcement of section 5609.1. Fireworks may be identified as hazardous waste by the State of California; violators shall be responsible for any disposal fees.

Appendix B § 8105.2 Buildings other than one- and two-family dwellings. The minimum fire-flow and flow duration for buildings other than one- and two-family dwellings is specified in Table 8105.1

Exception: A reduction in required fire-flow up to 50 percent, as approved, is allowed when the building is protected with an approved automatic sprinkler
system installed in accordance with Section 903.1.1 or 903.1.2. The resulting fire-flow must not be less than 1,500 gallons per minute (5678 U/min) for the prescribed duration as specified in Table 8105.1

SECTION N101 GENERAL

§ N101.1 Scope. These regulations apply to temporary Haunted Houses, Ghost Walks, or similar amusement uses, where decorative materials and confusing sounds and/or visual effects are present.

§ N101.2 Permits. An operational permit is required for Haunted Houses, Ghost Walks, or similar amusement uses in accordance with Appendix K101.2.

§ N101.2.1 Permit documents. The permit application must include a dimensioned site plan and floor plan.

A site plan showing the following:
1. The proximity of the event building(s) to other structures or hazardous areas.
2. The path of travel from the event building or area to the public way.
3. The location of exterior evacuation assembly points.

A floor plan showing the following:
1. Dimensions of the area being used (include total square footage, width, and types of exits, aisles, or interior exit pathways, etc.).
2. The path of travel must include the layout of any mazes, mirrors or other display items that may confuse the egress paths.
3. A brief description of what will be depicted in each room or area along the walk or course including the type of special effects to be utilized.
4. Location of exits, exit signs, and emergency lighting.
5. Location of electrical panel(s) and light switches.
6. Identification of what the normal or prior use of the structure(s) being used is (e.g., auditorium, school, church)
7. Accessible egress routes.
8. When required, areas of refuge.
9. When required by Section 318.9, fire alarm panel location, manual fire alarm boxes, and horn/strobe locations.
10. Portable fire extinguisher locations.
11. The location and fuel capacity of all generators.

§ N101.3 El Segundo Department of Planning and Building Safety approval. Approval to operate a temporary amusement haunted house or similar use or to change the approved use of an existing building, or portion thereof, for temporary amusement haunted house or similar use or to change the approved
of use of an existing building, or portion thereof, for temporary amusement
haunted house or similar use requires approved by the El Segundo Department
of Planning and Building Safety before the Fire Department's final construction
document approval and issuance of an operational permit.

SECTION N102 DEFINITIONS

§ N102.1 [CFC 202] DECORATIVE MATERIALS. All materials applied over the
building interior finish for decorative, acoustical or other effect (such as curtains,
draperies, fabrics, streamers and surface coverings) and all other materials
utilized for decorative effect (such as batting, cloth, cotton, hay, stalks, straw,
vines, leaves, trees, moss and similar items), including foam plastics and
materials containing foam plastics. Decorative materials do not include floor
coverings, ordinary window shades, interior finish and materials 0.025 inch (0.64
mm) or less in thickness applied directly to and adhering tightly to a substrate.

§ N102.2 HAUNTED HOUSE. A building or structure usually used during the
Halloween season for amusement or entertainment purposes. A Haunted House
may or may not be considered a Special Amusement Building depending on the
layout and effects employed.

§ N102.3 GHOST WALKS. Similar to Haunted Houses and may include both
indoor and outdoor areas where the means of egresses are similarly not readily
identifiable.

§ N102.4 [CBC 411.2] SPECIAL AMUSEMENT BUILDING. A special amusement
building is any temporary or permanent building or portion thereof that is occupied
for amusement, entertainment or educational purposes and that contains a device
or system that conveys passengers or provides a walkway along, around or over
a course in any direction so arranged that the means of egress path is not readily
apparent due to visual or audio distractions or is intentionally confounded or is not
readily available because of the nature of the attraction or mode of conveyance
through the building or structure.

SECTION N103 GENERAL REQUIREMENTS

§ N103.1 Allowable structures. Temporary Amusement Haunted Houses,
Ghost Walks, and similar amusement uses which meet the definition of a Special
Amusement Building can only be located in structures that comply with the
provisions for Special Amusement Buildings in accordance with the California
Building Code when the planned layout and effects employed meet the definition
of a Special Amusement Building.

§ N103.2 Tents or membrane structures. Tents and membrane structures may
be used when in compliance with all applicable requirements of this Appendix and when the total floor area of the tent is less than 1,000 square feet and the travel distance to an exit from any location is less than 50 feet.

§ N103.3 Fire evacuation plans. A fire safety and evacuation plan that complies with Section 404 of the California Fire Code must be submitted and approved.

§ N103.4 Staffing. The event must be adequately staffed by qualified person(s) to control the occupant load and assist patrons in exiting should an evacuation become necessary. Staffing level is determined upon review of plans and may be established at the discretion of the Fire Code Official.

§ N103.5 Occupant load. Maximum occupant load must conform with Chapter 10 Table 1004.1.1. A sign stating maximum occupancy must be posted in a visible location near the entrance. The attendant(s) must control the flow of patrons so as not to exceed this limit.

§ N 103.6 Exits.Exiting must be in accordance with Chapter 10 and this Section.

1. Two exits must be provided from each room with an occupant load of 50 or more. Required exit doors shall swing in the direction of egress.
2. Illuminated exit signs must be provided at each exit serving an occupant load of 50 or more.
3. Exit doors with a lock or latch are prohibited when serving an occupant load of 50 or more unless it constitutes panic hardware.
4. When tents or membrane structures are approved for use, curtains are not be allowed to cover the exits.
5. Emergency lighting must be provided in exit pathways.
6. Exhibits and decorative materials cannot obstruct, confuse, or obscure exits, exit pathways, exit signs, or emergency lights.
7. Additional exit pathway markings, such as low level exit signs and directional exit path markings may be required.

§ N103.7 Fire protection. Temporary Amusement Haunted Houses, Ghost Walks, and similar amusement uses which meet the definition of a Special Amusement Building must be provided with fire protection systems in accordance with Appendix K103. 7.

Exception: When the total floor area of Haunted Houses or indoor portions of Ghost Walks are less than 1,000 square feet and the travel distance to an exit is less than 50 feet.

§ N103.7.1 Fire sprinkler protection. An automatic fire sprinkler system is required for Haunted Houses and indoor portions of Ghost Walks. Fire sprinkler
systems must comply with Section 903.

§ N103.7.2 Fire detection systems. An approved automatic fire detection system shall be provided in accordance with Section 907.2.12 as required for special amusement buildings.

§ N103.7.3 Alarm. Activation of any single smoke detector, the fire sprinkler system, or other automatic fire detection device shall be in accordance with Section 907.2.12.1.

§ N103.7.4 Emergency voice alarm. Special amusement buildings must provide an emergency voice/alarm communication system in accordance with Section 907.2.12.3.

§ N103.7.5 Portable fire extinguishers. See Section K103.16.

§ N103.8 Electrical. When required, a permit shall be obtained from the local Building Official.

§ N103.8.1 Extension cords. Extension cords shall be UL listed and must be appropriate for the intended use.

§ N103.8.2 Power taps. Only UL listed relocatable power taps with overcurrent protection may be used when the number of outlets provided is inadequate. Power strips must be plugged directly into the outlet, and cannot be plugged into one another in series.

§ N103.8.3 String lighting. Manufacturer's installation instructions must be followed for the maximum allowable number of string lights that can be connected. When connecting string lights together, the total amperage of all string lights must be calculated to ensure they do not exceed the amperage for the extension cord and circuit.

§ N103.8.4 Protection. All extension cords and power strips must be adequately protected from foot traffic.

§ N103.8.5 Portable generators. When portable generators are utilized, they must be diesel fuel type and located a minimum of 20 feet away from all structures.

§ N103.8.6 Additional electrical requirements. See California Fire Code Section 605 for additional electrical requirements.

§ N103.9 Decorative materials and interior finishes. Interior wall, ceiling, and floor finishes must be Class A rated in accordance with the California Building
Code. Also see California Fire Code Chapter 8.

§ N103.9.1 Decorative materials. All decorative materials must be inherently flame retardant, or be treated with a California State Fire Marshal (SFM) listed flame retardant material. If the decorative material is treated SFM listed flame retardant material by a non-SFM licensed applicator, the SFM labeled container and sales receipt must be provided to the fire code official for inspection purposes. Also see Fire Code Chapter 8.

§ N103.9.2 Flame test. Flame retardant material testing must be completed in accordance with Section 803.5 of the California Fire Code as referenced from the California Code of Regulations, Title 19, Division 1, Article 3, Section 3.21(a) and (b). Proof of testing shall be provided.

§ N103.9.3 Placement of decorative materials. Decorative materials, props and/or performer platforms cannot obstruct, confuse, or obscure exits, exit signs, exit pathways, emergency lighting or any component of fire protection systems and equipment (e.g. fire extinguishers, fire alarm systems, fire sprinklers, etc.) inside or outside the building.

§ N103.10 Smoke generators. The fire code official may restrict use of smoke-generating equipment if it is determined to be incompatible with smoke alarm(s). Care and consideration must be used with respect to smoke generator and smoke alarm locations. Smoke generator and smoke alarm locations shall be approved by the fire code official.

§ N103.11 Display of motor vehicles. Display of motor vehicles must be in accordance with Section 2402.18 of the California Fire Code.

§ N103.12 Inspections. A fire and life safety inspection must be conducted by the fire code official before any haunted house, ghost walk or special amusement building is made available for public use.

§ N103.13 Signs. "NO SMOKING" signs must be conspicuously posted at the main entrance and throughout the exhibit.

§ N103.14 Prohibited areas. Inside storage or use of flammable and/or combustible liquids, gases, and solids is prohibited. Open flames are prohibited.

§ N103.15 Maintenance. Good housekeeping must be maintained throughout exhibit and exit pathways, at all times. The means of egress system cannot be obstructed during event operations.

§ N103.16 Portable fire extinguishers. Fire extinguishers must have a minimum 2A-10B:C rating. Fire extinguishers must be properly mounted and be visible and
accessible at all times. Clearly identify locations with signs or reflective tape. Fire extinguishers m be located within 50 feet travel distance from anywhere in the building or structure.

13-09-04: GEOGRAPHICAL LIMITS

Geographic limits referred to in certain sections of this Code are established as follows:

Establishment of limits of districts in which storage of flammable or combustible liquids in outside aboveground tanks is prohibited.
The limits referred to in Sections 5704.2.9.6.1 and 5706.2.4.4 in which the storage of Class I flammable liquids or Class II combustible liquids in aboveground tanks outside of buildings is restricted are established as the City of El Segundo's corporate boundaries.

Exceptions: Such use is allowed in the following zoning districts:

4. The storage of Class I flammable liquids or Class II combustible liquids in aboveground tanks outside of buildings is allowed in M-1 and M-2, Zones;
5. The storage of Class II combustible liquids in aboveground tanks outside of buildings is allowed in C-0, MM, MU-N, MU-S or P-F Zones;

Establishment of limits of districts in which storage of liquefied petroleum gases is to be restricted.
The limits referred to in Section 6104.2 in which storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity is restricted are established as the City of El Segundo's corporate boundaries.

Exceptions:

1. The storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity is allowed in the M-2 Zone, when located at least one-half (1/2) mile from property zoned or designated for residential use and at least one-half (1/2) mile from existing residential development with a density greater than one (1) dwelling unit per acre and at least one-half (1/2) mile from any hotel or motel.

2. The storage of liquefied petroleum gas in excess of an aggregate of 2,000 gallons water capacity is allowed in M-1 Zone with a Conditional Use Permit issued by the Planning Department."

SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder
(14 California Code of Regulations §§ 15000, *et seq.*, the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and and is exempt from further review under CEQA Guidelines § 15308.

**SECTION 4: Construction.** This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

**SECTION 5: Savings Clause.** Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

**SECTION 6: Severability.** If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

**SECTION 7: Validity of Prior Code Sections.** If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

**SECTION 8: Publication.** The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo’s book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

**SECTION 9: Effective Date.** This Ordinance will become effective on the 31st day following its passage and adoption.

**SECTION 10: Filing with Building Standards Commission.** The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.
PASSED AND ADOPTED this ____ day of __________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the ______ day of _____________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the ______ day of ________________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

______________________________
Tracy Weaver, City Clerk
ATTACHMENT 11
ORDINANCE No. 1533
Adopting 2016 California Existing Building Code with amendments
ORDINANCE NO. 1533

AN ORDINANCE ADOPTING THE 2016 EDITION OF THE CALIFORNIA EXISTING BUILDING CODE (“CEBC”) WITH AMENDMENTS AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing; and

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the California Existing Building Code (“CEBC”) with the changes set forth in this Ordinance.

SECTION 2: Title 13, Chapter 10 of the El Segundo Municipal Code (“ESMC”) is amended in its entirety to read as follows:

"CHAPTER 10

EXISTING BUILDING CODE

13-10-1: ADOPTION OF CALIFORNIA EXISTING BUILDING CODE, 2016 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the California Existing Building Code (“CEBC”), 2016 Edition, published at Title 24, Part 10, of the California Code of Regulations, including Appendix A, Chapters A1, A3, A4, and A6, is adopted by reference, subject to the
amendments, additions and deletions set forth below. One true copy of the CEBC, is on file in the office of the Building Official and is available for public inspection as required by law."

13-10-2: AMENDMENTS TO THE CODE.

Section 1.8.8. of the CEBC is hereby amended as follows:

CEBC 1.8.8 APPEALS BOARD, is deleted in its entirety. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CEBC.”

SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo’s book of original
ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ___ day of _________, 2016.

___________________________
Suzanne Fuentes, Mayor

APPROVED AS TO FORM

___________________________
Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of ________________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of ________________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

___________________________
Tracy Weaver, City Clerk
ATTACHMENT 12

ORDINANCE No. 1534

Adopting 2016 California Green Building Standards Code with amendments
ORDINANCE NO. 1534

AN ORDINANCE ADOPTING THE 2016 EDITION OF THE CALIFORNIA GREEN BUILDING STANDARDS CODE ("CGBSC", "CALGreen") WITH AMENDMENTS AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the California Green Building Standards Code ("CGBSC") with the changes set forth in this Ordinance;

F. Additional amendments have been made to Codes are found to be either administrative or procedural in nature or concern themselves with subjects not covered in such Codes. The changes made include provisions making each of said Codes compatible with other Codes enforced by the City;

G. The specific amendments of the CGBSC that fulfill this requirement are:

1. Add CALGreen Section 101.12 Fee for Mandatory Measures
2. Add CALGreen Section 101.12.1 Fee for TIER Measures
3. Amend CALGreen Section 202 Sustainability Definition
4. Amend CALGreen Section 301.1 Scope
5. Amend CALGreen Section 301.1.1 Additions & Alteration
6. Amend CALGreen Section 5.408.3 Excavated Soil and Land Clearing Debris

7. Amend CALGreen Section A4.105.2 Reuse of Materials

8. Amend CALGreen Section A4106.5 Cool Roof for Reduction of Heat Island Effect

9. Amend CALGreen Section A4.303.4 Nonwater Supplied Urinals and Waterless Toilets

10. Amend CALGreen Section A4.404.3 Building Systems

11. Amend CALGreen Section A4.405.1 Prefinished Building Materials

12. Amend CALGreen Section A4.405.4 Use of Building Materials From Rapidly Renewable Sources

13. Amend CALGreen Section A4.407.1 Drainage Around Foundation

14. Amend CALGreen Section A5.106.4.1 Short Term Bicycle Parking

15. Amend CALGreen Section A5.106.4.3 Changing Rooms

16. Amend CALGreen Section A5.106.6.1 Reducing Parking Capacity

17. Amend CALGreen Section A5.406.1 Choice of Materials

SECTION 2: Title 13, Chapter 11 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 11

GREEN BUILDING STANDARDS CODE

13-11-1: ADOPTION OF CALIFORNIA GREEN BUILDING STANDARDS CODE, 2016 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the California Green Building Standards Code, 2016 Edition, published at Title 24, Part 11, of the California Code of Regulations ("CGBSC") is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the CGBSC, is on file in the office of the Building
Official and is available for public inspection as required by law.*

13-11-2 AMENDMENTS TO THE CODE:

Section 101.12 is added to the 2016 Edition of the California Green Building Standards Code to read as follows:

101.12 Fee for Mandatory Measures. A fee of ten percent (10%) of the plan check/permit fee shall be assessed to verify compliance with the mandatory measure of this code.

Section 101.12.1 is added to the 2016 Edition of the California Green Building Standards Code to read as follows:

101.12.1 Fee for Tier Measures. When Tier 1 or Tier 2 measures need to be verified by the enforcing agency, an additional ten percent (10%) of the plan check/permit fee shall be assessed.

Section 101.13 is added to the 2016 Edition of the California Green Building Standards Code to read as follows:

101.13 Board of Appeals. The 2016 California Building Code, as incorporated into the El Segundo Municipal Code, will govern the administration of the CGBSC.

Section 202 of the 2016 Edition of the California Green Building Standards Code is amended to include the term "sustainability" that read as follows:

SUSTAINABILITY. Consideration of present development and construction impacts on the community, the economy, and the environment without compromising the needs of the future.

Section 301.1 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

301.1 Scope. Buildings shall be designed to include the green building measures specified as mandatory in the application checklists contained in this code. Voluntary green building measures are also included in this code the application checklists and may be included in the design and construction of structures covered by this code, but are not required unless they are adopted by a city or county as specified in Section 101.7.
Section 301.1.1 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**Section 301.1.1 Additions and alterations. [HCD]** The mandatory provisions of Chapter 4 shall be applied to additions or alterations of existing residential buildings where the additions or alterations increase the building's conditioned area, volume, or size. The requirement shall apply only to and/or within the specific area of the addition or alteration. Code sections relevant to additions and alterations shall only apply to the portions of the building being added or altered within the scope of the permitted work.

**Note:** On and after January 1, 2014, residential buildings undergoing permitted alterations, additions or improvements shall replace noncompliant plumbing fixtures with water-conserving plumbing fixtures. Plumbing fixture replacement is required prior to issuance of a certificate of final completion, certificate of occupancy or final permit approval by the local building department. See Civil Code Section 1101.1, et seq., for the definition of a noncompliant plumbing fixture, types of residential buildings affected and other important enactment dates.

Section 5.408.3 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**5.408.3 Excavated soil and land clearing debris [BSC-CG]** 100 percent of trees, stumps, rocks and associated vegetation and soils resulting primarily from land clearing shall be reused or recycled. For a phased project, such material may be stockpiled on site until the storage site is developed.

**Exception:** Reuse, either on- or off-site, of vegetation or soil contaminated by disease or pest infestation.

**Notes:**

1. If contamination by disease or pest infestation is suspected, contact the County Agricultural Commissioner and follow its direction for recycling or disposal of the material. ([http://acwm.lacounty.gov/wps/portal/acwm](http://acwm.lacounty.gov/wps/portal/acwm))

2. For a map of known pest and/or disease quarantine zones, consult with the California Department of Food and Agriculture. ([www.cdfca.ca.gov](http://www.cdfca.ca.gov))

3. Contaminated soil shall not be reused and shall be disposed of or remediated in accordance with relevant regulations.

Section A4.105.2 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:
A4.105.2 Reuse of materials. Use salvaged, refurbished or reused materials for a minimum of 2.5 percent of the total value, based on estimated cost of materials on the project. Materials which can be easily reused include but are not limited to the following:

1. Light fixtures.
2. Plumbing fixtures.
3. Doors and trim.
4. Masonry. (reused masonry may only be used for flatwork)
5. Electrical devices.
6. Appliances.
7. Foundations or portions of foundations.

**Note:** Reused material must be in compliance with the appropriate Title 24 requirements.

Section A4.106.5, Table A4.106.5.1(1), Table A4.106.5.1(2), Table A4.106.5.1(3), and Table A4.106.5.1(4) of the 2016 Edition of the California Green Building Standards Code are amended to read as follows:

A4.106.5 Cool roof for reduction of heat island effect. Roofing materials for Tier 1 and Tier 2 buildings shall comply with this section:

**Exceptions:**

Roof constructions that have a thermal mass over the roof membrane including areas of vegetated (green) roofs, weighing at least 25 lbs/sf.

Roof areas covered by building integrated solar photovoltaic panels and building integrated solar thermal panels.

### TABLE A4.106.5.1(1)
**TIER 1 – LOW-RISE RESIDENTIAL**

<table>
<thead>
<tr>
<th>ROOF SLOPE</th>
<th>CLIMATE ZONE</th>
<th>MINIMUM 3-YEAR AGED SOLAR REFLECTANCE</th>
<th>THERMAL EMITTANCE</th>
<th>SRI</th>
</tr>
</thead>
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<tr>
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<td>40-45</td>
<td>0.63</td>
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<tr>
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<td>0.75</td>
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### TABLE A4.106.5.1(2)
**TIER 2 – LOW-RISE RESIDENTIAL**

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<th>CLIMATE</th>
<th>MINIMUM 3-</th>
<th>THERMAL</th>
<th>SRI</th>
</tr>
</thead>
<tbody>
<tr>
<td>SLOPE</td>
<td>ZONE</td>
<td>YEAR AGED SOLAR REFLECTANCE</td>
<td>EMITTANCE</td>
<td></td>
</tr>
<tr>
<td>--------</td>
<td>----------</td>
<td>-----------------------------</td>
<td>-----------</td>
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</tr>
<tr>
<td>□ 2:12</td>
<td>2, 4, 6–15</td>
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<td>7882</td>
</tr>
<tr>
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<td>2, 4, 6–15</td>
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<td>85</td>
<td>2027</td>
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</table>

TABLE A4.106.5.1(3)
TIER 1 – HIGH-RISE RESIDENTIAL BUILDINGS, HOTELS, AND MOTELS

<table>
<thead>
<tr>
<th>ROOF SLOPE</th>
<th>CLIMATE ZONE</th>
<th>MINIMUM 3-YEAR AGED SOLAR REFLECTANCE</th>
<th>THERMAL EMITTANCE</th>
<th>SRI</th>
</tr>
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<tbody>
<tr>
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<td>0.75</td>
<td>6475</td>
</tr>
<tr>
<td>□ 2:12</td>
<td>2–15</td>
<td>0.20</td>
<td>0.75</td>
<td>16</td>
</tr>
</tbody>
</table>

TABLE A4.106.5.1(4)
TIER 2 – HIGH-RISE RESIDENTIAL BUILDINGS, HOTELS, AND MOTELS

<table>
<thead>
<tr>
<th>ROOF SLOPE</th>
<th>CLIMATE ZONE</th>
<th>MINIMUM 3-YEAR AGED SOLAR REFLECTANCE</th>
<th>THERMAL EMITTANCE</th>
<th>SRI</th>
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<tr>
<td>□ 2:12</td>
<td>2–15</td>
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<td>0.750.85</td>
<td>7882</td>
</tr>
<tr>
<td>□ 2:12</td>
<td>2–15</td>
<td>0.230.28</td>
<td>0.750.85</td>
<td>2027</td>
</tr>
</tbody>
</table>

Section A4.303.4 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**A4.303.4 Nonwater supplied urinals and composting toilets.** Nonwater supplied urinals or composting toilets are installed throughout the scope of the permit or comply with Sections 1101.1 thru 1101.8 of the California Civil Code, whichever is the most restrictive.

Where approved, hybrid urinals, as defined in Chapter 2, shall be considered waterless urinals.

Section A4.404.3 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**A4.404.3 Building systems.** Use premanufactured building systems to eliminate solid sawn lumber whenever possible. One or more of the following premanufactured building systems is used throughout:

1. Composite floor joist or premanufactured floor framing system
2. Composite roof rafters or premanufactured roof framing system
3. Panelized (SIPS, ICF or similar) wall framing system
4. Other methods approved by the enforcing agency

Section A4.405.1 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**A4.405.1 Prefinished building materials.** Utilize prefinished building materials which do not require additional painting or staining when possible. One or more of the following building materials that do not require additional resources for finishing are used:

1. Exterior trim not requiring paint or stain
2. Windows not requiring paint or stain
3. Siding or exterior wall coverings which do not require paint or stain

Section A4.405.4 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**A4.405.4 Use of building materials from rapidly renewable sources.** One or more of the following materials manufactured from rapidly renewable sources or agricultural by-products is used for a minimum of 2.5 percent of the total value, based on estimated cost of materials on the project:

1. Insulation
2. Bamboo or cork
3. Engineered products
4. Agricultural based products
5. Other products acceptable to the enforcing agency

**Note:** The intent of this section is to utilize building materials and products which are typically harvested within a 10-year or shorter cycle.

Section A4.407.1 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**A4.407.1 Drainage around foundations.** Install foundation and landscape drains which discharge to a dry well, sump, bioswale or other approved on-site location except when not required by state code or locally approved ordinance.
Section A5.106.4.1 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**A5.106.4.1 Reserved. Short-term bicycle parking.** If the project is anticipated to generate visitor traffic, provide permanently anchored bicycle racks within 200 feet of the visitors’ entrance, readily visible to passers-by, for 15 percent of visitor motorized vehicle parking capacity, with a minimum of one two-bike capacity rack.

Table A5.106.4.3 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**A5.106.4.3 Changing rooms.** For buildings with over 10 tenant-occupants, provide changing/shower facilities for tenant-occupants only in accordance with Table A5.106.4.3 or document arrangements with nearby changing/shower facilities.

<table>
<thead>
<tr>
<th>NUMBER OF TENANT- OCCUPANTS</th>
<th>SHOWER/CHANGING FACILITIES REQUIRED²</th>
<th>2-TIER (12&quot; X 15&quot; X 72&quot;) PERSONAL EFFECTS LOCKERS¹,² REQUIRED</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10</td>
<td>01 unisex shower</td>
<td>01</td>
</tr>
<tr>
<td>11-50</td>
<td>1 unisex shower</td>
<td>2</td>
</tr>
<tr>
<td>51-100</td>
<td>1 unisex shower</td>
<td>3</td>
</tr>
<tr>
<td>101-200</td>
<td>1 shower stall per gender</td>
<td>4</td>
</tr>
<tr>
<td>Over 200</td>
<td>1 shower stall per gender for each 200 additional tenant-occupants</td>
<td>One 2-tier locker for each 50 additional tenant-occupants</td>
</tr>
</tbody>
</table>

1. One 2-tier locker serves two people. Lockers shall be lockable with either padlock or combination lock.

2. Tenant spaces housing more than 10 tenant-occupants within buildings sharing common toilet facilities need not comply; however, such common shower facilities shall accommodate the total number of tenant-occupants served by the toilets and include a minimum of one unisex shower and two 2-tier lockers.

**Note:** Additional information on recommended bicycle accommodations may be obtained from Sacramento Area Bicycle Advocates.

Section A5.106.6.1 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**A5.106.6.1 Reduce parking capacity.** With the approval of the enforcement authority, employ strategies to reduce on-site parking area by 20 percent by

1. Use of on street parking or compact spaces, illustrated on the site plan or
2. Implementation and documentation of programs that encourage occupants to carpool, ride share or use alternate transportation.

Note: Strategies for programs may be obtained from local TMAs.

Section A5.406.1 of the 2016 Edition of the California Green Building Standards Code is amended to read as follows:

**A5.406.1 Choice of materials.** Compared to other products in a given product category, choose materials proven to be characterized by one or more of the following for a minimum of 5 percent of the total value, based on estimated cost of materials on the project.

SECTION 3: Sections 13-11-3 through 13-11-17 of the ESMC are hereby deleted.

SECTION 4: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 5: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council's intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 6: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 7: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.
SECTION 8: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 9: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 10: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 11: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ____ day of __________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of _________________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of _________________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Tracy Weaver, City Clerk
ATTACHMENT 13
ORDINANCE No. 1535
Re-numbering 1997 Abatement of Dangerous Building Ordinance with amendments
ORDINANCE NO. 1535

AN ORDINANCE ADOPTING THE UNIFORM CODE FOR THE
ABATEMENT OF DANGEROUS BUILDINGS, 1997 EDITION AND
RE-NUMBERING TITLE 13, CHAPTER 4 OF THE EL SEGUNDO
MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. In 1999, the City Council adopted Ordinance No. 1302, which adopted the
Uniform Code for the Abatement of Dangerous Buildings, 1997 Edition; the
Uniform Code for the Abatement of Dangerous Buildings was codified in
Title 13, Chapter 4 of the El Segundo Municipal Code;

B. The City Council desires to re-number the existing Uniform Code for the
Abatement of Dangerous Buildings, 1997 Edition, in its entirety, so that it
now appears in Title 13, Chapter 15 of the El Segundo Municipal Code;

C. The City may adopt model codes by reference pursuant to Government
Code §§ 50022.2, et seq.;

D. Pursuant to Gov. Code § 50022.10, a code originally adopted by reference
may be subsequently recodified and re-adopted by reference;

E. Health and Safety Code § 17958 requires the City to adopt certain codes
that are set forth in Health and Safety Code § 17922 and published in the
California Code of Regulations;

F. Notice of public hearing to consider the adoption of the codes was published
pursuant to Government Code § 6066 and a duly noticed public hearing
was held on December 6, 2016, regarding the adoption of the Codes;

G. Pursuant to § 50022.6 of the Government Code, at least one copy of all
codes adopted by reference were filed with the City Clerk of the City and
were available for public inspection for at least fifteen (15) days preceding
the date of the hearing; and

H. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to
adopt the Uniform Code for the Abatement of Dangerous Buildings, 1997
Edition, with the changes set forth in this Ordinance.

SECTION 2: Title 13, Chapter 4 of the El Segundo Municipal Code ("ESMC") is hereby
re-numbered as Title 13, Chapter 15 to read as follows:
CHAPTER 15
UNIFORM CODE FOR THE ABATEMENT OF DANGEROUS BUILDINGS


SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., "CEQA") and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the "CEQA Guidelines") because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council's intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance's effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.
SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo’s book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ___ day of __________, 2016.

______________________________
Suzanne Fuentes, Mayor

APPROVED AS TO FORM

______________________________
Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of __________________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of __________________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:
Tracy Weaver, City Clerk
ATTACHMENT 14
ORDINANCE No. 1536
Adopting Post Disaster Assessment Ordinance
ORDINANCE NO. 1536

AN ORDINANCE ADOPTING POST DISASTER ASSESSMENT STANDARDS AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing; and

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt Post Disaster Assessment Standards with the changes set forth in this Ordinance.

SECTION 2: Title 13, Chapter 16 of the El Segundo Municipal Code ("ESMC") is amended in its entirety to read as follows:

"CHAPTER 16

POST DISASTER ASSESSMENT STANDARDS

Section 13-16-1: Post Disaster Assessment Standards Adopted.

13-16-1: ADOPTION OF PROCEDURES FOR POSTEARTHQUAKE SAFETY EVALUATION OF BUILDINGS (ATC-20) AND ADDENDUM (ATC-20-2).

Pursuant to California Government Code § 50022.1 to 50022.8, the Procedures for Postearthquake Safety Evaluation of Buildings (ATC-20) including Appendices A through F, and Addendum (ATC-20-2) including Appendices A and B, published
by the Applied Technology Council, is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of ATC-20 and ATC-20-2, are on file in the office of the Building Official and is available for public inspection as required by law."

Section 13-16-2: Post Disaster Assessment.

Chapter 1. Post Disaster Safety Assessment Placards

Section 1-1 Intent:
This chapter establishes standard placards to be used to indicate the condition of a structure for continued occupancy after any disaster. The Chapter further authorizes the Building Safety Division, as well as authorized representatives of the division, to post the appropriate placard at each entry point of a building or structure upon completion of a safety assessment.

Section 1-2 Application of Provisions:
The provisions of this article are applicable following each disaster for which a state of emergency has been declared by The City Council, State, or Federal Government, to all buildings and structures of all occupancies regulated by the City.

Section 1-3 Definition:
SAFETY ASSESSMENT: means a visual, nondestructive examination of a building or structure for the purpose of determining whether continued occupancy should be permitted following a disaster.

Section 1-4 Placards:
A. The following are descriptions of the official jurisdiction placards to be used to designate whether buildings or structures may be occupied after a disaster. The format of the placard is provided in the “Post Disaster Safety Assessment Plan” published by the California Governor’s Office of Emergency Services.

1. GREEN “INSPECTED- Lawful Occupancy Permitted” is to be posted on any building or structure where no apparent structural hazard has been found. This placard is not intended to mean that there is no damage to the building or structure.

2. YELLOW “LIMITED ENTRY” is to be posted on each building or structure that has been damaged where the damage has resulted in some form of restriction to the continued occupancy. The individual who posts this placard shall note in general terms the type of damage encountered.

3. RED “UNSAFE - Do Not Enter or Occupy” is to be posted on each building or structure that has been damaged such that continued occupancy poses a threat to life or safety. Buildings or structures posted with this placard shall
not be entered under any circumstances except as authorized in writing by the Building Safety Department. El Segundo City approved safety assessment teams shall be authorized to enter these buildings at any time. This placard is not to be used or considered as a demolition order. The individual who posts this placard shall note in general terms the type of damage encountered.

B. The name of the department, its address and phone number shall be permanently affixed to each placard.

C. Once it has been attached to a building or structure, a placard shall not be removed, altered or covered until done so by an authorized representative of the City of El Segundo Building Safety Division.

Chapter 2 Post-disaster Demolition

Section 2-1 Intent:
This chapter establishes demolition criteria for all buildings and structures damaged as a result of a disaster for which a local emergency has been declared by The City Council, State, or Federal Government, to the degree where demolition is a viable alternative to repair.

Section 2-2 Application of Provisions:
The provisions of this article are applicable following each disaster for which a local emergency has been declared by The City Council, State, or Federal Government, to all buildings and structures of all occupancies regulated by the City.

Section 2-3 Definitions:
EVENT: Any occurrence, which results in the declaration of an emergency, and shall include but not limited to, fires, wind storms, earthquakes and floods.

CONDEMN AND CONDEMNED: Shall also mean no person shall enter the building or structure for any reason without the express written permission of The Director of Planning and Building Safety or his designee.

Section 2-4 Demolition Criteria:

A. If after the event, and during any state of emergency, The Director of Planning and Building Safety determines that any building or structure poses an imminent threat to public health and safety and that protection of the public health and safety requires immediate demolition of the building or structure, or a portion of a building or structure, the Director or his designee shall, without contacting the owner or providing a hearing to the property owner, order that said building or structure be demolished immediately. Upon the order of the Director or designee, the City shall immediately demolish said building or structure. Such demolition shall be
performed in the interest of public health and safety without condemnation hearings otherwise required by this municipal code.

B. If after the event, the Director of Planning and Building Safety determines that any building or structure poses a hazard, but not an imminent threat to the public health and safety, the Director or his designee shall notify the building owner of such determination, and the reasons thereof by certified mail return receipt deposited in the United States mail no later than five days after the determination is made. The notice shall set forth the date, time, and place of a hearing which the Director or his designee shall conduct, and also state that during the hearing the building owner may present any evidence to explain why the building or structure should not be condemned. The decision of the Director or his designee to condemn the building or structure unless all required repairs are made shall be final. In making the final decision, the Director or his designee shall consider: 1) All evidence presented at the hearing by the owner or his or her representative; 2) The nature of the hazard presented by the building or structure; 3) the likelihood of personal injury or death occurring if the building or structure; and 4) the likelihood of personal injury or death occurring if the building or structure is not condemned.

C. For any building or structure which the owner has decided to demolish rather than repair, the owner, or owner’s representative, shall follow the established procedures for securing a demolition permit.”

SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this
Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo’s book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 10: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ____ day of _________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA  )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO  )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance
No. was duly introduced by said City Council at a regular meeting held on the _____ day of ____________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of ____________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

______________________________
Tracy Weaver, City Clerk
ATTACHMENT 15
ORDINANCE No. 1537
Re-numbering 1997 Uniform Housing Code
ORDINANCE NO. 1537

AN ORDINANCE ADOPTING THE 1997 EDITION OF THE UNIFORM HOUSING CODE, AND RE-NUMBERING TITLE 13, CHAPTER 3 OF THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. In 1999, the City Council adopted Ordinance No. 1301, which adopted the Uniform Housing Code, 1997 Edition;

B. The City Council desires to re-number the existing Uniform Housing Code, 1997 Edition, in its entirety, so that it now appears in Title 13, Chapter 17 of the El Segundo Municipal Code;

C. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

D. Pursuant to Gov. Code § 50022.10, a code originally adopted by reference may be subsequently recodified and re-adopted by reference;

E. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

F. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

G. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;

H. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the Uniform Housing Code, 1997 Edition, with the changes set forth in this Ordinance.

SECTION 2: Title 13, Chapter 3 of the El Segundo Municipal Code ("ESMC") is hereby amended as Title 13, Chapter 17 read as follows:
"CHAPTER 17
HOUSING CODE

13-17-1: ADOPTION OF THE UNIFORM HOUSING CODE, 1997 EDITION.

Pursuant to California Government Code §§50022.1 to 50022.8, the Uniform Housing Code, 1997 Edition, published by the International Conference of Building Officials ("UHC") is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the UHC, is on file in the office of the Building Official and is available for public inspection as required by law."

SECTION 3: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., "CEQA") and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the "CEQA Guidelines") because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 4: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council's intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 5: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance's effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause
such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo’s book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

PASSED AND ADOPTED this ____ day of _________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of ________________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of ________________, 2016, and the same was so passed and adopted by the following vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN:  

________________________
Tracy Weaver, City Clerk
ATTACHMENT 16
ORDINANCE No. 1538

Re-numbering Earthquake Hazard Reduction Ordinance with amendments
and adopting Appendix V Voluntary Seismic Retrofit
ORDINANCE NO. 1538

AN ORDINANCE ADOPTING APPENDIX V (VOLUNTARY SEISMIC RETROFIT); VOLUNTARY PRESCRIPTIVE PROVISIONS FOR SEISMIC STRENGTHENING OF CRIPPLE WALLS AND SILL PLATE ANCHORAGE OF LIGHT, WOOD-FRAME RESIDENTIAL BUILDINGS; VOLUNTARY EARTHQUAKE RISK REDUCTION IN WOOD-FRAME RESIDENTIAL BUILDINGS WITH SOFT, WEAK OR OPEN FRONT WALLS; AND VOLUNTARY EARTHQUAKE HAZARD REDUCTION IN EXISTING CONCRETE BUILDINGS; AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION AND TO RE-NUMBER TITLE 13, CHAPTER 9 (EARTHQUAKE HAZARD REDUCTION IN EXISTING BUILDINGS)

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. The City may adopt model codes by reference pursuant to Government Code §§ 50022.2, et seq.;

B. Health and Safety Code § 17958 requires the City to adopt certain codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

C. Additional amendments have been made to Codes are found to be either administrative or procedural in nature or concern themselves with subjects not covered in such Codes. The changes made include provisions making each of said Codes compatible with other Codes enforced by the City;

D. El Segundo Municipal Code Title 13 Chapter 9 contains provisions for earthquake hazard reduction in existing unreinforced masonry bearing wall buildings constructed prior to 1934. It is in the public interest to adopt Earthquake Hazard Reduction regulations for other types of buildings as set forth in this Ordinance;

E. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

F. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;
G. In 1990, the City Council adopted Ordinance No. 1152, which adopted standards relating to Earthquake Hazard Reduction in Existing Buildings; and

H. The City Council desires to re-number the existing Earthquake Hazard Reduction in Existing Buildings chapter, in its entirety, so that it now appears in Title 13, Chapter 18 of the El Segundo Municipal Code.

SECTION 2: Title 13, Chapter 9 of the El Segundo Municipal Code ("ESMC") is hereby re-numbered as Title 13, Chapter 18, to read as follows:

"CHAPTER 18

EARTHQUAKE HAZARD REDUCTION IN EXISTING BUILDINGS

§ 13-18-1: PURPOSE
§ 13-18-2: SCOPE
§ 13-18-3: DEFINITIONS
§ 13-18-4: RATING CLASSIFICATIONS
§ 13-18-5: GENERAL REQUIREMENTS
§ 13-18-6: ADMINISTRATION
§ 13-18-7: ANALYSIS AND DESIGN
§ 13-18-8: MATERIALS OF CONSTRUCTION
§ 13-18-9: INFORMATION REQUIRED ON PLAN
§ 13-18-10: TABLES"

SECTION 3: Title 13, Chapter 18 of the ESMC is amended to read as follows:

"Section 13-18-11. ADOPTION OF APPENDIX V: VOLUNTARY SEISMIC RETROFIT

§ 13-18-V100: VOLUNTARY EARTHQUAKE HAZARD REDUCTION IN EXISTING REINFORCED CONCRETE AND REINFORCED MASONRY WALL BUILDINGS WITH FLEXIBLE DIAPHRAGMS

§ 13-18-V101: PURPOSE

The purpose of this Chapter is to promote public safety and welfare by reducing the risk of death or injury that may result from the effects of earthquakes on reinforced concrete and masonry wall buildings with flexible diaphragms designed under the building codes in effect before January 1, 1995. These buildings are potentially hazardous and prone to significant damage, including possible collapse, in a moderate to major earthquake. These structures typically shelter large numbers of persons and property for retail, food markets, food distribution centers, warehousing, aerospace, industrial/manufacturing and general business and office use. Their continued use after an earthquake is also essential to the local economy and its post-earthquake recovery."
The provisions of this Chapter are minimum standards for structural seismic resistance established primarily to reduce the risk of loss of life or injury on both subject and adjacent properties and will not necessarily prevent all earthquake damage to an existing building which complies with these standards. This Chapter cannot require existing electrical, plumbing, mechanical or fire safety systems to be altered unless they constitute a hazard to life or property.

This Chapter provides voluntary retrofit standards for deficient wall anchorage systems on structures that are not subject to the mandatory provisions of Chapter When fully followed, these standards will strengthen the portion of the structure that is most vulnerable to earthquake damage.

§ 13-18-V102: SCOPE

The voluntary provisions of this Chapter apply to existing buildings of the following types:

2. Tilt-up concrete wall buildings with flexible diaphragms designed under the building codes in effect before January 1, 1995, but after January 1, 1976.

All existing reinforced masonry or concrete buildings with flexible diaphragms, including tilt-up concrete wall buildings, designed under the Building Code in effect on or after January 1, 1995, must be designed in conformance with Chapter 16 of the CBC.

§ 13-18-V103: DEFINITIONS

For the purposes of this Chapter, the applicable definitions in Chapter 2, Chapter 16, Chapter 19 and Chapter 23 of this Code; Chapter 1, Chapter 3, Chapter 4, Chapter 5, Chapter 6 and Chapter 11 of ASCE 7, and the following apply:

ANCHORAGE SYSTEM is the system of all structural elements and connections, which support the concrete or masonry wall in the lateral direction, including diaphragms and subdiaphragms, wall anchorage and continuity or cross tie connectors in subdiaphragms and main diaphragms.

COMMENCED CONSTRUCTION is construction pursuant to a valid building permit that has progressed to the point that one of the called inspections as required by the Department has been made and the work for which the inspection has been called has been judged by the Department to be substantial and has been approved by the Department.

EXISTING BUILDING is an erected building for which a legal building permit and a certificate of occupancy have been issued.
FLEXIBLE DIAPHRAGM is any diaphragm constructed of wood structural panel, diagonal or straight wood sheathing, metal decking without a structural concrete topping, or horizontal rod bracing.

HISTORICAL BUILDING is any building designated or currently in the process of being designated as a historical building by an appropriate federal, state or City jurisdiction.

REINFORCED CONCRETE WALL is a concrete wall that has 50 percent or more of the reinforcing steel required for reinforced concrete in Chapter 19.

REINFORCED MASONRY WALL is a masonry wall that has 50 percent or more of the reinforcing steel required by Chapter 21.

RETROFIT is strengthening or structurally improving the lateral force resisting system of an existing building by alteration of existing or addition of new structural elements.

TILT-UP CONCRETE WALL is a form of precast concrete panel construction either cast in the horizontal position at the site and after curing, lifted and moved into place in a vertical position, or cast off-site in a fabricator's shop.

§ 13-18-V104: ANALYSIS AND DESIGN

V104.1. Wall Panel Anchorage. Concrete and masonry walls must be anchored to all floors and roofs which provide lateral support for the wall. The anchorage must provide a positive direct connection between the wall and floor or roof construction capable of resisting a horizontal force equal to 30 percent of the tributary wall weight for all buildings, and 45 percent of the tributary wall weight for essential buildings, or a minimum force of 250 pounds per linear foot of wall, whichever is greater. The required anchorage must be based on the tributary wall panel assuming simple supports at floors and roof.

EXCEPTION: An alternate design may be approved by the Building Official when justified by well-established principles of mechanics.

V104.2. Special Requirements for Wall Anchors and Continuity Ties. The steel elements of the wall anchorage systems and continuity ties must be designed by the allowable stress design method using a load factor of 1.7. The 1/3 stress increase permitted by Chapter 16 cannot be permitted for materials using allowable stress design methods. The strength design specified in Chapter 19 using a load factor of 2.0 in lieu of 1.4 for earthquake loading, must be used for the design of embedment in concrete. Wall anchors must be provided to resist out-of-plane forces, independent of existing shear anchors.
EXCEPTION: Existing cast-in-place shear anchors may be used as wall anchors if the tie element can be readily attached to the anchors and if the engineer or architect can establish tension values for the existing anchors through the use of approved as-built plans or testing, and through analysis showing that the bolts are capable of resisting the total shear load while being acted upon by the maximum tension force due to seismic loading. Criteria for analysis and testing must be determined by the Building Official. Expansion anchors are not allowed without special approval of the Building Official. Attaching the edge of plywood sheathing to steel ledgers is not considered as complying with the positive anchoring requirements of the Code; and attaching the edge of steel decks to steel ledgers is not considered as providing the positive anchorage of this Code unless testing and analysis are performed, which establish shear values for the attachment perpendicular to the edge of the deck.

V104.3. Development of Anchor Loads into the Diaphragm. Development of anchor loads into roof and floor diaphragms must comply with Chapter 12 of ASCE 7.

EXCEPTION: If continuously tied girders are present, then the maximum spacing of the continuity ties is the greater of the girder spacing or 24 feet (7315 mm). In wood diaphragms, anchorage cannot be accomplished by use of toe nails or nails subject to withdrawal, nor must wood ledgers, top plates or framing be used in cross-grain bending or cross-grain tension. The continuous ties required by Chapter 12 of ASCE 7 must be in addition to the diaphragm sheathing. Lengths of development of anchor loads in wood diaphragms must be based on existing field nailing of the sheathing unless existing edge nailing is positively identified on the original construction plans or at the site. At reentrant corners, continuity collectors may be required for existing return walls not designed as shear walls, to develop into the diaphragm a force equal to the lesser of the rocking or shear capacity of the return wall, or the tributary shear but not exceeding the capacity of the diaphragm. Shear anchors for the return wall must be commensurate with the collector force. If a truss or beam other than rafters or purlins is supported by the return wall or by a column integral with the return wall, an independent secondary column is required to support the roof or floor members whenever rocking or shear capacity of the return wall is governing.

V104.4. Anchorage at Pilasters. Anchorage of pilasters must be designed for the tributary wall anchoring load per Section V104.1 of this Code, considering the wall as a two-way slab. The edge of the two-way slab must be considered “fixed” when there is continuity at pilasters, and considered “pinned” at roof or floor levels. The pilasters or the walls immediately adjacent to the pilasters must be anchored directly to the roof framing such that the existing vertical anchor bolts at the top of the pilasters are by-passed without causing tension or shear failure at the top of the pilasters.
**EXCEPTION:** If existing vertical anchor bolts at the top of the pilasters are used for the anchorage, then additional exterior confinement must be provided. The minimum anchorage at a floor or roof between the pilasters must be that specified in Section V104.1 of this Code.

**V104.5. Symmetry.** Symmetry of connectors in the anchorage system is required. Eccentricity may be allowed when it can be shown that all components of forces are positively resisted and justified by calculations or tests.

**V104.6. Minimum Roof Member Size.** Wood members used to develop anchorage forces to the diaphragm must be of minimum nominal width for new construction and replacement. All such members must be designed for gravity and earthquake forces as part of the wall anchorage system. For existing structural members, the allowable stresses must be without the 1/3 stress increase per Section V104.2.

**V104.7. Combination of Anchor Types.** To repair and retrofit existing buildings, a combination of different anchor types of different behavior or stiffness is prohibited. The capacity of the new and existing connectors cannot be added.

**V104.8. Prohibited Anchors.** Usage of connectors that were bent or stretched from the intended use is prohibited.

**V104.9. Crack and Damage Repairs, Evaluation of Existing Structural Alterations.** The engineer or architect must report any observed structural conditions and structural damage that have imminent life safety effects on the buildings and recommend repairs. This includes alterations such as openings cut in existing wall panels without a building permit. Evaluations and repairs must be reviewed and approved by the Building Official.

**V104.10. Miscellaneous.** Existing mezzanines relying on the concrete or masonry walls for vertical or lateral support must be anchored to the walls for the tributary mezzanine load. Walls depending on the mezzanine for lateral support must be anchored per Sections V104.1, V104.2 and V104.3 of this Code.

**EXCEPTION:** Existing mezzanines that have independent lateral and vertical support need not be anchored to the concrete or masonry walls. Existing interior masonry or concrete walls not designed as shear walls, which extend to the floor above or to the roof diaphragm must also be anchored for out-of-plane forces per Section V104.1, V104.2 and V104.3 of this Code. In the in-plane direction, the walls may be isolated or must be developed into the diaphragm for a lateral force equal to the lesser of the rocking or shear capacity of the wall, or the tributary shear but not exceeding the diaphragm capacity.
V104.11. Historical Buildings. Qualified historical buildings must be permitted to use alternate building standards or deviations from this Chapter in order to preserve their original or restored architectural elements and features.

§ 13-18-V105: MATERIALS OF CONSTRUCTION.

All materials permitted by this Code.

§ 13-18-V106: INFORMATION REQUIRED ON PLANS.

V106.1. General. In addition to the seismic analysis required elsewhere in this Chapter, the licensed engineer or architect responsible for the seismic analysis of the building must record the information required by this section on the approved plans.

V106.2. Information Required. The plans must accurately reflect the results of the engineering investigation and design and show all pertinent dimensions and sizes for plan review and construction. The following must be provided:
1. Floor plans and roof plans must show the existing framing construction, diaphragm construction, proposed wall anchors, cross-ties and collectors. Existing nailing, anchors, ties and collectors must also be shown on the plans if these are part of the design, and these structural elements need to be verified in the field.
2. At elevations where there is alterations or damage, the details must show the roof and floor heights, dimensions of openings, location and extent of existing damage, and proposed repair.
3. Typical concrete or masonry wall sections with wall thickness, height, and location of anchors must be provided.
4. Details must include the existing and new anchors and the method of development of anchor forces into the diaphragm framing; existing and new cross-ties, existing and new or improved support of the roof and floor girders at pilasters or walls.

V106.3. Engineer's or Architect's Statement. The responsible engineer or architect must state on the approved plans, the following:
1. “I am responsible for this building’s seismic strengthening design of the tilt-up concrete wall anchorage system in compliance with the minimum seismic resistance standards of Chapter V1 of the California Building Code, as adopted by the El Segundo Municipal Code,” or when applicable:
2. “The Registered Deputy Inspector, required as a condition of the use of structural design stresses requiring continuous inspection, will be responsible to me, the California Licensed Engineer or Architect, as required by Section 1704 of the California Building Code, as adopted by the El Segundo Municipal Code.”

§ 13-18-V107: REQUIRED BUILDING MAINTENANCE.
Every building within the scope of this Chapter which has been analyzed to
demonstrate compliance or structurally altered to comply with the minimum
earthquake standards in this Chapter must be maintained in conformity with the
requirements of this Chapter in effect at the time of such analysis or structural
alteration.

**TABLE NO. V1-A**
**RATING CLASSIFICATIONS**
Classification Occupant Load
Essential N/A
Group I 300 or more
Group II 100 to 299
Group III 50 to 99
Group IV Less than 50

**Section 13-18-12. ADOPTION OF VOLUNTARY PRESCRIPTIVE**
**PROVISIONS FOR SEISMIC STRENGTHENING OF**
**CRIPPLE WALLS AND SILL PLATE ANCHORAGE OF**
**LIGHT, WOOD-FRAME RESIDENTIAL BUILDINGS**

§ 13-18-V200: VOLUNTARY PRESCRIPTIVE PROVISIONS FOR SEISMIC
STRENGTHENING OF CRIPPLE WALLS AND SILL PLATE ANCHORAGE OF
LIGHT, WOOD-FRAME RESIDENTIAL BUILDINGS. Pursuant to California
Government Code § 50022.1 to 50022.8, Chapter A3 of the California Existing
Building Code ("CEBC"), 2016 Edition, published at Title 24, Part 10, of the
California Code of Regulations, is adopted by reference, subject to the
amendments, additions and deletions set forth below. One true copy of the CEBC,
is on file in the office of the Building Official and is available for public inspection
as required by law."

**Section 13-18-13. ADOPTION OF VOLUNTARY EARTHQUAKE RISK**
**REDUCTION IN WOOD-FRAME RESIDENTIAL**
**BUILDINGS WITH SOFT, WEAK OR OPEN FRONT**
**WALLS.**

§ 13-18-V300: VOLUNTARY EARTHQUAKE RISK REDUCTION IN WOOD-
FRAME RESIDENTIAL BUILDINGS WITH SOFT, WEAK OR OPEN FRONT
WALLS. Pursuant to California Government Code § 50022.1 to 50022.8, Chapter
Title 24, Part 10, of the California Code of Regulations, is adopted by reference,
subject to the amendments, additions and deletions set forth below. One true copy
of the CEBC, is on file in the office of the Building Official and is available for public
inspection as required by law."

**Section 13-18-14. ADOPTION OF VOLUNTARY EARTHQUAKE HAZARD**
REDUCTION IN EXISTING CONCRETE BUILDINGS.


SECTION 4: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., "CEQA") and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the "CEQA Guidelines") because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 5: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 6: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 7: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 8: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.
SECTION 9: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 10: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 11: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ____ day of __________, 2016.

________________________
Suzanne Fuentes, Mayor

APPROVED AS TO FORM

________________________
Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of ______________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the _____ day of ______________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:
Tracy Weaver, City Clerk
ATTACHMENT 17

ORDINANCE No. 1539

ORDINANCE NO. 1539

AN ORDINANCE ADOPTING THE 2015 EDITION OF THE UNIFORM SOLAR ENERGY AND HYDRONICS CODE ("USEHC") AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION AND TO RE-NUMBER EXISTING CODE SECTIONS RELATING TO THE EXPEDITED PERMIT PROCESS FOR SMALL RESIDENTIAL ROOFTOP SOLAR SYSTEMS

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. Health and Safety Code § 17958 requires the City to adopt certain uniform codes that are set forth in Health and Safety Code § 17922 and published in the California Code of Regulations;

B. Pursuant to Government Code § 50022.2, et seq., the City may adopt other uniform codes by reference;

C. Notice of public hearing to consider the adoption of the codes was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Codes;

D. Pursuant to § 50022.6 of the Government Code, at least one copy of all codes adopted by reference were filed with the City Clerk of the City and were available for public inspection for at least fifteen (15) days preceding the date of the hearing;

E. Pursuant to Health and Safety Code § 17958.7, it is in the public interest to adopt the 2015 Edition of the Uniform Solar Energy and Hydronics Code ("USEHC") with the changes set forth in this Ordinance;

F. In 2015, the City Council adopted an ordinance that provided an expedited, streamlined permitting process for small residential rooftop solar systems; the ordinance amended Title 13 to create Chapter 18 (Sections 13-18-1 through 13-18-6); and

G. The City Council desires to re-number the existing Sections 13-18-1 through 13-18-6, so that they now appear in Title 13, Chapter 19 of the El Segundo Municipal Code.

SECTION 2: Title 13 of the El Segundo Municipal Code ("ESMC") is amended to add a new chapter to read as follows:
"CHAPTER 19

SOLAR ENERGY CODE

Section 13-19-1: ADOPTION OF UNIFORM SOLAR ENERGY AND HYDRONICS CODE, 2015 EDITION.

Pursuant to California Government Code § 50022.1 to 50022.8, the Uniform Solar Energy and Hydronics Code ("USEHC"), 2015 Edition, published by the International Association of Plumbing and Mechanical Officials/American National Standards Institute (IAPMO/ANSI) is adopted by reference, subject to the amendments, additions and deletions set forth below. One true copy of the USEHC, is on file in the office of the Building Official and is available for public inspection as required by law."

SECTION 3: Sections 13-18-1 through 13-18-6 of the ESMC are hereby re-numbered as follows:

§13-19-2: EXPEDITED PERMIT PROCESS FOR SMALL RESIDENTIAL ROOFTOP SOLAR SYSTEMS - PURPOSE
§13-19-3: DEFINITIONS:
§13-19-4: APPLICABILITY
§13-19-5: SOLAR ENERGY SYSTEM REQUIREMENTS
§13-19-6: DUTIES OF THE DIRECTOR
§13-19-7: PERMIT REVIEW AND INSPECTION REQUIREMENTS

SECTION 4: Environmental Assessment. The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., "CEQA") and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the "CEQA Guidelines") because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 5: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council's intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 6: Savings Clause. Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or
preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance's effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 7: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 8: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 9: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 10: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

SECTION 11: Filing with Building Standards Commission. The City Clerk must file a certified copy of this Ordinance with the California Building Standards Commission.

PASSED AND ADOPTED this ____ day of _________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )
I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the ______ day of _______________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the ______ day of _______________, 2016, and the same was so passed and adopted by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

__________________________
Tracy Weaver, City Clerk
ATTACHMENT 18
ORDINANCE No. 1540
Adopting El Segundo Security Code
ORDINANCE NO. 1540

AN ORDINANCE ADOPTING THE EL SEGUNDO SECURITY CODE AND AMENDING THE EL SEGUNDO MUNICIPAL CODE TO REFLECT SUCH ADOPTION

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: Findings. The City Council finds and declares as follows:

A. Pursuant to Penal Code § 14051, it is in the public interest to adopt minimum building security standards to safeguard property and public welfare with the regulations set forth in this Ordinance;

B. The El Segundo Security Code is based upon recommendations by the El Segundo Police Department Crime Prevention Unit and adopted security codes of other Los Angeles-area municipalities; and

C. Notice of public hearing to consider the adoption of this Code was published pursuant to Government Code § 6066 and a duly noticed public hearing was held on December 6, 2016, regarding the adoption of the Code.

SECTION 2: Title 13 of the El Segundo Municipal Code ("ESMC") is amended to add a new chapter to read as follows:

"CHAPTER 20

CITY OF EL SEGUNDO SECURITY CODE

Section 13-20-1: PURPOSE

The purpose of this code is to provide minimum standards to safeguard property and public welfare by regulating and controlling the design, construction, quality of materials, use and occupancy, location and maintenance of buildings and structures subject to the provisions of this code within the City of El Segundo, as specified in Section 14051 of the California Penal Code relating to building safety.

Section 13-20-2: SCOPE

A. The provisions of this code shall apply only to new construction and to buildings or structures to which additions, alterations, or repairs are made, except as specifically provided by this code. When additions, alterations, or repairs made within any 12-month period exceed 50 percent of the value of the existing building or structure, such building or structure shall be made to conform to the
requirements for new buildings and structures. When additions, alterations, and repairs do not exceed 75 percent or less of the value of an existing building, then only the new construction would have to meet the standards set forth by this code.

B. Existing multiple dwelling units that are converted to privately-owned family units (condominiums) shall comply with the provisions of the "Special Residential Building Provisions."

C. Any existing structure which converts from its original occupancy group as designated in the Uniform Building Code, shall comply with the provisions of this code.

D. Any building, as defined in the California Building Code and Title 24, California Code of Regulations, requiring special type releasing, latching, or locking devices, other than described herein, shall be exempt from the provisions hereof relating to locking devices of interior and exterior doors.

13-20-3: DEFINITIONS

For the purpose of this code, certain terms are defined as follows:

**Alley** is any roadway not exceeding 25 feet in width which is primarily used for access to the rear or side entrances of abutting property.

**Approved** means certified as meeting the requirements of this code by the enforcing authority or its authorized agents, or by other officials designated by law to give approval on a particular matter dealt with by the provisions of this code with regard to a given material, mode of construction, piece of equipment or device.

**Astragal** is a device, either fixed or movable, which eliminates the vertical opening between a pair of doors when in the closed position.

**Bolt** is a metal bar which, when actuated, is projected (or thrown) either horizontally or vertically into a retaining member, such as a strike plate, to prevent a door or window from moving or opening.

**Bolt projection or bolt thrown** is the distance from the edge of the door, at the bolt center line, to the farthest point on the bolt in the projected position.

**Burglary resistant glazing** means those materials as defined in Underwriters' Laboratories Bulletin 972.

**Common area** is an area of space, a building or portion of a building, which is legally accessible to the owners or users of a multi-tenant property.
**Cylinder** means the subassembly of a lock containing the cylinder core, tumbler mechanism and the keyway. A double cylinder lock is one, which has a key-actuated cylinder on both the exterior and interior of the door.

**Cylinder guard** means a tapered or flush metal ring or plate surrounding the otherwise exposed portion of a cylinder lock to resist cutting, drilling, prying, pulling or wrenching with common tools.

**Deadbolt** is a lock bolt which does not have a spring action. The bolt shall be actuated by a key and a knob or thumb-turn, and when projected becomes locked against return by end pressure.

**Dead latch or deadlocking latch bolt** means a spring-actuated latch bolt having a beveled end and incorporating a plunger which, when depressed, automatically locks the projected latch bolt against return by end pressure.

**Door** includes a swinging, sliding, rolling overhead, or solid overhead door.

**Double cylinder deadbolt** means a deadbolt lock which can be activated only by a key on both the interior and exterior.

**Double Door** is a doorway equipped with a glazed door hinged at the jambs. The glazing may consist of one or more glazed panels.

**Dwelling** means a building or portion thereof designed exclusively for residential occupancy, including single-family and multiple-family dwellings.

**Flush bolt** is a manual, key or turn-operated metal bolt normally used on inactive door(s), and is attached to the top and bottom of the door and engages in the head and threshold of the frame.

**Fully tempered glass** means those materials meeting or exceeding Section 2406 of the currently adopted edition of the California Building Code ("CBC").

**Glazing** is all glass, plastics, and fiberglass utilized as an exterior window, vision panel, light, or pane within any type of door.

**Hours of operation** shall mean the time period when any activity requires the presence of employees or workers within or about the affected business.

**Hours of darkness** shall mean any time from one-half hour before sunset and one-half hour after sunrise and any other time when the illumination level is less than the required lighting for uses as designated in this chapter.
**Jamb** means the vertical members of a door frame to which the door is secured.

**Jamb/wall** is that component of a door assembly to which a door is attached and secured; the wall and jamb used together are considered a unit.

**Latch or latch bolt** is a beveled, spring-actuated bolt, which may or may not have a deadlocking device.

**Light Panel** is any glazed opening whether glazed with glass, plastic, metal, wood, or composition sheets or panels, or similar materials and shall include windows, skylights, view ports or view panels and similar openings.

**Lock (or lockset)** is a keyed device (complete with cylinder, latch or deadbolt mechanism, and trim such as knobs, levers, thumb turns, escutcheons, etc.) for securing a door in a closed position against forced entry. For the purposes of this code, a lock does not include the strike plate.

**Locking device** is a part of a window assembly, which is intended to prevent movement of the moveable sash, which may be the sash lock or sash operator.

**Luminaire** is a complete lighting device consisting of a light source together with its direct appurtenances, such as globe, reflector refractor, housing and such support as is integral with the housing. The pole, post or bracket is not considered a part of the luminaire.

**Minimum maintained foot-candles of light** is the amount of light falling on that point of a surface with the least illumination, calculated through application of a maintenance factor, which is a multiplier applied to account for aging of the lamp and for dirt build-up on the luminaire during the period for which a lamp is in place.

**Multiple-family dwelling** means a building or portion thereof designed for occupancy by two or more families living independently of each other, including hotels, motels, apartments, duplexes and townhouses. **Nonresidential** means any building, parking lot and associated areas used for any purpose other than a dwelling.

**Panic hardware** means a latching device on a door assembly for use when emergency egress is required due to fire or other threat to life safety. Devices designed so that they will facilitate the safe egress of people in case of an emergency when a pressure not to exceed 15 pounds is applied to the releasing device in the direction of exit travel. Such releasing devices are bars or panels extending not less than one-half of the width of the door and placed at heights suitable for the service require, not less than 30 nor more than 44 inches above the floor.
Primary locking device means the single locking system on a door or window unit whose primary function is to prevent unauthorized intrusion.

Rail means the horizontal member of a window or door. A meeting rail is one which mates with a rail of another sash or a framing member of the door or window frame when the sash is in the closed position.

Recreational space means any public or private park, community common open space or paseo, bike trail, community swimming pools and associated sidewalks and parking lots.

Safe means a combination-locked steel chest or money safe designed to offer a limited degree of protection against expert burglary by common hand tools.

Sash is an assembly of stiles, rails, and sometimes, mullions assembled into a single frame, which supports the glazing material. A fixed sash is one which is not intended to be opened. A moveable sash is intended to be opened.

Sill is the lowest horizontal member of a window frame.

Single cylinder deadbolt means a deadbolt lock, which is activated from the outside by a key and from the inside by a knob, thumb-turn, lever, or similar mechanism.

Solid core door means a door composed of solid wood or composed of compressed wood equal in strength to solid wood construction.

Stile is a vertical framing member of a window or door.

Strike is a metal plate attached to or mortised into a door or door jamb to receive and to hold a projected latch bolt and deadbolt in order to secure the door to the jamb.

Swinging door means a door hinged at the stile or at the head and threshold.

Underwriters' Laboratories listed means tested and listed by Underwriters' Laboratory, Inc.

Vandal resistant light fixture has a lens constructed of materials meeting or exceeding U.L. Bulletin 972 (Burglary Resistant Glazing) and a housing meeting or exceeding U.L. Bulletin 1572 (Wet Locations.)

Window assembly is a unit, which includes a window and the anchorage between the window and the wall.
Window frame is the part of a window, which surrounds and supports the sashes and is attached to the surrounding wall. The members include side jambs (vertical), head jamb (upper, horizontal), sill and mullions.

Section 13-20-4: ENFORCEMENT PROVISIONS

Enforcement of this code shall be the responsibility of the City’s Building Safety Division and the Police Department. All building officials and administrative authority determinations required by this code shall be made jointly by the responsible representatives of each function charged with administration of this code or individually as charged.

Section 13-20-5: CERTIFICATE OF OCCUPANCY

No certificate of occupancy shall be issued unless the applicant for such certificate has complied with this article.

Section 13-20-6: RIGHT OF ENTRY

A. Whenever necessary to make an inspection to enforce any of the provisions of this code, or whenever the Chief Building Official, or his authorized representative, or an El Segundo Police Department representative, has reasonable cause to believe that there exists in any building or upon any premises any condition or code violation which makes such building or premises unsafe, dangerous or hazardous, the Chief Building Official or his authorized representative may enter such building or premises at all reasonable times to inspect the same or to perform any duty imposed upon the Chief Building Official by this code, provided that if such building or premises be occupied, he shall first present proper credentials and request entry; and if such building or premises be unoccupied, he shall first make a reasonable effort to locate the owner or other persons having charge or control of the building or premises and request entry. If such entry is refused, the building official or his authorized representative shall have recourse to every remedy provided by law to secure entry.

B. When the Chief Building Official, or his authorized representative, or an El Segundo Police Department representative, shall have first obtained a proper inspection warrant or other remedy provided by law to secure entry, no owner or occupant or any other persons having charge, care of control of any building or premises shall fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the Chief Building Official or his authorized representative for the purpose of inspection and examination pursuant to this code.

Section 13-20-7: VIOLATIONS AND PENALTIES
It shall be unlawful for any person, firm or corporation to erect, construct, enlarge, alter, move, improve, convert, or demolish, equip, use, occupy or maintain any building or structure in the City of El Segundo or cause same to be done, contrary to or in violation of any of the provisions of this code.

Section 13-20-8: ADMINISTRATIVE RELIEF

In order to prevent or lessen the unnecessary hardship or practical difficulties in exceptional cases where it is difficult or impossible to comply with the strict letter of this code, the owner or his designated agent shall have the option to apply for an exemption from any provision of this code to the designated representative of the El Segundo Police Department and the Official. The reviewing authority shall exercise its powers on these matters in such a way that the public welfare is secured, and substantial justice done most nearly in accord with the intent and purpose of this code.

Section 13-20-9: LIFE SAFETY FACTORS

No portion of this code shall supersede any local, state, or federal law, regulation, or codes dealing with life safety factors.

Section 13-20-10: ALTERNATE MATERIALS AND METHODS OF CONSTRUCTION

A. The provisions of this code are not intended to prevent the use of any material or method of construction not specifically prescribed by this code, provided any such alternate has been approved by the enforcing authority, nor is it the intention of this code to exclude any sound method of structural design or analysis not specifically provided for in this code. Materials, methods of construction, or structural design limitations provided for in this code are to be unless an exception is granted by the enforcing authority.

B. The enforcing authority may approve any such alternate provided they find the proposed design to be satisfactory and the material and method of work is for the purpose intended, at least equivalent to that prescribed in this code in quality, strength, effectiveness, burglary resistance, durability and safety.

Section 13-20-11: KEYING REQUIREMENTS

Upon occupancy by the owner or proprietor, each single unit in a tract or commercial development, constructed under the same general plan, shall have locks using combinations which are interchangeable from locks used in all other separate dwellings, proprietorships or similar distinct occupancies.

Section 13-20-12: FRAMES; JAMBS; STRIKES; HINGES
Installation and construction of frames, jambs, strikes and hinges for exterior swinging doors and door leading from garage into dwelling unit shall be as follows:

A. Door jambs shall be installed with solid backing in such a manner that no voids exist between the strike side of the jamb and the frame opening for a vertical distance of six inches each side of the strike.

B. In wood framing, horizontal blocking shall be placed between studs at door lock height for three stud spaces each side of the door openings. Trimmers shall be full length from the header to the floor with solid backing against sole plates.

C. Door stops on wooden jambs for in-swinging doors shall be of one-piece construction with the jamb. Jambs for all doors shall be constructed or protected so as to prevent violation of the strike.

D. The strike plate for deadbolts on all wood framed doors shall be constructed of minimum 16 U.S. gauge steel, bronze, or brass, and secured to the jamb by a minimum of two screws, which must penetrate at least three inches into solid backing beyond the surface to which the strike is attached.

E. Hinges for out-swinging doors shall be equipped with non-removable hinge pins or a mechanical interlock to preclude removal of the door from the exterior by removing the hinge pins.

F. When pairs of doors are utilized in residential structures, a one-piece assembly attached to the full-length edge of the inactive door leaf, incorporating an astragal and flush-bolts for the header and threshold, will be accepted as a strike plate, provided the assembly is constructed of aluminum or steel a minimum of one-eighth inch in thickness.

G. All exterior doors equipped with lever-handled locking devices which operate the deadbolt shall have thresholds designed and installed so as to prevent the passing of rigid materials between the door and threshold to the interior.

Section 13-20-13: SPECIAL RESIDENTIAL BUILDING PROVISIONS

The provisions of this section shall apply only to multiple-family dwelling units.

A. Except for vehicular access doors, all exterior swinging doors of any residential building and garages, including the door leading from the garage area into the dwelling unit shall be equipped as follows:

1. All wood doors shall be of solid core construction with a minimum thickness of 1 3/4 inches, or with panels not less than 9/16 inch thick.
2. Main entry doors constructed of glass shall not be permitted in residential applications. Glass panels in the top eighth of the door may be permitted upon submission and review.

3. Main entry doors where windows are set alongside the entry door shall either reverse the swing of the door, OR reverse the position of the window to be opposite the locking mechanism.

4. A single or double door shall be equipped with a single cylinder deadbolt lock. The bolt shall have a minimum projection of one inch and be constructed so as to repel cutting tool attack. The deadbolt shall have an embedment of at least 3/4 inch into the strike receiving the projected bolt. The cylinder shall have a cylinder guard, a minimum of five-pin tumblers, and shall be connected to the inner portion of the lock by connecting screws of at least one-fourth inch in diameter.

5. The inactive leaf of double door(s) shall be equipped with metal flush bolts having a minimum embedment of 5/8 inch into the head and threshold of the door frame.

6. Door hardware shall comply with the El Segundo Police Department Approved Security Hardware shown at end of the document.

7. Glazing in or around exterior doors, shall be a minimum distance of 20 inches from any locking mechanism and shall be of fully tempered glass or rated burglary resistant glazing.

8. All front exterior doors shall be equipped with a wide-angle (190-200 degrees) door viewer, not to be mounted more than fifty eight (58) inches from the bottom of the door.

B. Multiple family buildings shall display a street address number conforming to the following specifications:

1. Each individual unit within the complex shall display a prominent identification number not less than four inches in height, contrasting in color to the background to which it is affixed and clearly visible to approaching vehicles and/or pedestrians.

2. Numerals shall be no less than four inches in height and illuminated during the hours of darkness. The numerals and light source shall be contained with a single, weather-resistant fixture. The light source shall be provided with an uninterruptible A.C. power source or controlled only by a photoelectric device. Nothing in this section shall preclude the requirement for circuit protection devices where applicable. An illuminated fixture is not required when the address number can be lighted by an area.
3. Complexes with two or more buildings with the same address or buildings containing a minimum of six separate street addresses, shall display minimum six-inch high identification numbers noting the address number and range of unit and/or building numbers within the building. They shall be placed on the building between eight and ten feet from ground level, and visible to approaching vehicles and/or pedestrians from all building sides. Identification numbers shall be of a color contrasting to the background to which they are attached and be illuminated during the hours of darkness. The light source shall be provided with an uninterruptible A.C. power source or controlled only by a photoelectric device.

4. Driveways servicing more than 20 individual dwelling units shall have minimum four-inch high identification numbers, noting the range of unit numbers, placed at the entrance to each driveway at a height between 36 and 42 inches above grade. The light source shall be provided with an uninterruptible A.C. power source or controlled only by a photoelectric device.

5. There shall be positioned, at each entrance of a multiple family dwelling complex with more than four buildings, an illuminated diagrammatic representation of the complex, which depicts the location of the viewer and the unit designations within the complex. It shall be lighted during the hours of darkness utilizing a light source, which is constructed of weather and vandal resistant materials and provided with an uninterruptible A.C. power source or controlled by a photoelectric device. Nothing in this section shall preclude the requirement for circuit protection devices where applicable.

6. In multiple family complexes, garages or carports not directly attached to the dwelling unit or placed next to the dwelling unit and discernible as being associated with one addressed dwelling unit shall not use corresponding dwelling unit addresses to identify the garage or carport.

7. Address identification numbers and/or letters shall not be affixed to a surface using two-sided tape or any material not resistant to weather conditions.

8. Any building which affords vehicular access to the rear through a public or private alley shall display, in a clearly visible location, a highly reflective address number a minimum of four inches in height.

C. Multiple-family buildings, carports, parking areas, driveways, and walking surfaces shall conform to the following lighting standards:
1. All vehicular drive surfaces, open parking areas and carports shall be illuminated with a minimum maintained 1.25 foot-candles of light at ground level during the hours of darkness.

2. All exterior common area pedestrian walkways and recreation areas shall be illuminated with a minimum maintained 0.50 foot-candle of light at ground level during the hours of darkness.

3. Enclosed common area corridors shall be illuminated with a minimum maintained 0.50 foot-candles of light on all landings and stair treads during the hours of darkness. Open and enclosed stairways shall be illuminated at all times with a minimum maintained one foot-candle of light on all landings and stair treads.

4. Trash enclosures/areas, mailboxes, vending machines, and public phones located on the exterior shall be illuminated with a minimum maintained one foot-candle, measured within a five-foot radius at ground level, during the hours of darkness.

5. Mailboxes shall be placed in a highly visible, secured location (i.e. behind the security gate). Mailboxes and mail receptacles shall both be locking.

6. Recessed areas of building or fences, which have a minimum depth of two feet, a minimum height of five feet, and do not exceed six feet in width and are capable of human concealment, shall be illuminated with a minimum maintained 0.25 foot-candles of light at ground level during the hours of darkness. This requirement applies to defined recessed areas which are within six feet of the edge of designated walking surface with an unobstructed pathway to it, not hindered by walls or hedge row landscaping a minimum of two feet in height.

7. Accessible luminaires utilized to meet the requirements of this section shall have vandal resistant light fixtures and be not less than three feet in height from the walking surface when used to illuminate walkways and a minimum of 78 inches in height above the driving surface when illuminating surfaces associated with vehicles. Light fixtures shall be deemed accessible if mounted within 15 feet vertically or six feet horizontally from any accessible surface or any adjoining roof, balcony, landing, stair tread, platform or similar structure.

8. A site plan shall be provided showing buildings, parking area, walkways, detailed landscaping and a point-by-point photometric calculation of the required light levels. Landscaping shall not be planted so as to obscure required light levels. Foot-candles shall be measured on a horizontal plane and conform to a uniformity ratio of four to one (4:1 maximum/minimum).
The photometric study shall be provided for approval prior to issuing the Building Permit.

9. The light source shall be controlled by a photocell device or a time-clock with an astronomic feature.

10. Landscaping around the perimeter of the structure shall not provide access to any portion of the structure unless the accessible point is protected as described in subsection H. hereinabove.

11. All landscaping shall be low profile around perimeter windows, doors and entryways. Floral or grass ground cover is recommended. Bushes shall be trimmed to 2 to 3 feet and away from buildings. Dense bushes shall not be clumped together; this provides a hiding place for criminal activity.

12. Trees shall be trimmed up to 7 feet.

13. Trees/bushes/shrubs shall not be planted next to or near light fixtures or light standards. When grown to maturity this landscaping will block the light and reduce lighting on the ground surface.

D. Common-area laundry rooms in multiple-family complexes shall be designed and protected as follows:

1. Entry doors shall have:

   a. A minimum 600 square-inch clear vision panel, in the upper half of the door.

   b. Automatic, hydraulic door closures.

   c. Self-locking door locks equipped with a dead-locking latch, allowing exiting by a single motion and openable from the inside without the use of a key or any special knowledge or effort.

   d. Non-removable hinge pins for out-swinging doors to preclude removal of the door from the exterior by removing the hinge pins.

   e. A latch protector consisting of minimum 0.125-inch-thick steel attached to the door's exterior with non-removable bolts from the exterior. It shall be two inches wide and extend a minimum of five inches above and below the strike opening and extend a minimum of one inch beyond the edge of the door. It shall have a metal anti-spread pin a minimum of 1/2 inch in length.
2. The laundry room shall be illuminated at all times with a minimum maintained five foot-candles of light at floor level, using a non-interruptible power source. There shall be no light switches inside the room that control light fixtures used to meet the lighting requirement.

3. Any portion of an openable window which is within eight feet vertically or six feet horizontally from any accessible surface or any adjoining roof, balcony, landing, stair tread, platform, or similar surface, or any climbable pole or tree, or any surface providing a foothold, shall be secured as follows:

Windows shall not provide an opening greater than 96 square inches: or

a. Transom windows opening at the top and hinged at the bottom may be utilized provided the bottom portion is not less than six feet from an exterior accessible surface.

b. The entire laundry room shall be visible from the exterior along common area walking or driving surfaces. Perimeter windows and interior mirrors may be utilized to meet this requirement.

c. Laundry rooms are to be located in high activity areas with natural surveillance opportunities, and not in remote or isolated locations.

E. Multiple-family complexes shall have wrought iron/tubular steel security gates and fencing, a minimum of six feet high street side, at all pedestrian access points enclosing the walkway/common areas and have an electric mechanical access control system.

Section 13-20-14: SPECIAL NONRESIDENTIAL BUILDING PROVISIONS

The provisions of this section shall apply to nonresidential units and structures.

A. Swinging exterior glass doors, wood or metal doors with glass panels, solid wood or metal doors shall be constructed or protected as follows:

1. Door hardware shall comply with the El Segundo Police Department Approved Security Hardware shown at end of the document.

2. Wood doors shall be of solid core construction with a minimum thickness of 1 3/4 inches. Wood panel doors with panels less than one inch thick shall be covered on the inside with a minimum 16 U.S. gauge sheet steel or its equivalent, which is to be attached with screws on minimum six-inch centers. Hollow steel doors shall be of a minimum 16 U.S. gauge and have sufficient reinforcement to maintain the designated thickness of the door when any locking device is installed; such reinforcement being able to restrict collapsing of the door around any locking device.
3. Except when double cylinder deadbolts are utilized, any glazing utilized within 40 inches of any door locking mechanism shall be constructed or protected as follows:

a. Fully tempered glass or rated burglary resistant glazing; or

b. Iron or steel grills of at least 1/8-inch material with a minimum two-inch mesh secured on the inside of the glazing may be utilized; or

c. The glazing shall be covered with iron bars of at least 1/2 inch round or one-inch by 1/4-inch flat steel material, spaced not more than five inches apart, secured on the inside of the glazing.

d. Items b. and c., above, shall not interfere with the operation of opening windows if such windows are required to be openable by the Uniform Building Code.

B. All swinging exterior doors shall be equipped as follows:

1. A single or double door shall be equipped with a double or single cylinder deadbolt. The bolt shall have a minimum projection of one inch and be constructed so as to repel a cutting tool attack. The deadbolt shall have an embedment of at least 3/4 inch into the strike receiving the projected bolt. The cylinder shall have a cylinder guard, a minimum of five-pin tumblers, and shall be connected to the inner portion of the lock by connecting screws of at least 1/4 inch in diameter. The provisions of the preceding paragraph do not apply where (1) panic hardware is required, or (2) an equivalent device is approved by the enforcing authority.

2. Double doors shall be equipped as follows:

a. The inactive leaf of double door(s) shall be equipped with metal flush bolts having a minimum embedment of 5/8 inch into the head and threshold of the doorframe.

b. Double doors shall have an astragal constructed of steel a minimum of 0.125 inch thick, which will cover the opening between the doors. The astragal shall be a minimum of two inches wide, and extend a minimum of one inch beyond the edge of the door to which it is attached. The astragal shall be attached to the outside of the active door by means of welding or with non-removable bolts spaced apart on not more than ten inches centers. (The door to which such an astragal is attached must be determined by the fire safety codes adopted by the enforcing authority.)

C. Aluminum frame swinging doors shall be equipped as follows:
1. The jamb on all aluminum frame swinging doors shall be so constructed or protected to withstand 1,600 pounds of pressure in both a vertical distance of three inches and a horizontal distance of one inch each side of the strike, so as to prevent violation of the strike.

2. A single or double door shall be equipped with a double cylinder deadbolt with a bolt projection exceeding one inch or a hook-shaped or expanding deadbolt that engages the strike sufficiently to prevent spreading. The deadbolt lock shall have a minimum of five-pin tumblers and a cylinder guard.

D. Panic hardware, whenever required by the Uniform Building Code or Title 24, California Code of Regulations, shall be installed as follows:

1. Panic hardware shall contain a minimum of two locking points on each door; or

2. On single doors, panic hardware may have one locking point, which is not to be located at either the top or bottom rails of the doorframe.

3. Double doors containing panic hardware shall have an astragal attached to the doors at their meeting point, which will close the opening between them, but not interfere with the operation of either door.

E. Horizontal sliding doors shall be equipped with a metal guide track at top and bottom, and a cylinder lock and/or padlock with a hardened steel shackle which locks at both heel and toe, and a minimum five-pin tumbler operation with non-removable key when in an unlocked position. The bottom track shall be so designed that the door cannot be lifted from the track when the door is in a locked position.

F. In office buildings (multiple occupancy), all entrance doors to individual office suites shall meet the construction and locking requirements for exterior doors.

G. Glazing shall be deemed accessible, if any portion of it is within 40 inches of any door locking mechanism, and shall be constructed of either two part laminated glazing with a 0.06 inch inner layer or burglary resistant glazing.

H. Cash counting/commercial retail manager’s office, rear exit doors and delivery doors shall be equipped with a wide angle (190-200 degree) door viewer, not to be mounted more than fifty eight (58) inches from the bottom of the door.

I. Roof openings shall be protected as follows if the roof is accessible via an exterior ladder or the roof is less than 20 feet from ground level or if any portion of it is within 12 feet vertically or six feet horizontally from any exterior
accessible surface or any adjoining roof, balcony, landing, stair tread or similar structure:

1. All skylights on the roof of any building used for business purposes shall be provided with:

   a. Rated burglary-resistant glazing; or

   b. Iron bars of at least one-half inch round or one by 1/4 inch flat steel material under the skylight and securely fastened; or

   c. A steel grill of at least 1/8 inch material with a maximum two-inch mesh under the skylight and securely fastened.

2. All hatchway openings on the roof of any building or premises used for business purposes shall be secured as follows:

   a. If the hatchway is of wooden material, it shall be covered on the inside with at least 16 U.S. gauge sheet metal, or its equivalent, attached with screws.

   b. The hatchway shall be secured from the inside with a slide bar or slide bolts.

   c. Outside hinges on all hatchway openings shall be provided with non-removable pins when using pin-type hinges.

J. Exterior mounted ladders are prohibited except:

1. Ladders with a minimum 1/8 inch thick steel plate, securely attached to the ladder edge on each side and extending to within two inches of the wall for a height of ten feet above ground level. A door or cover shall be securely attached to the front of the ladder and be constructed of a minimum 1/8-inch steel, extending from ground level to at least ten feet high. The ladder door shall have non-removable hinge pins and be locked tight against the side wall by a locking mechanism with a minimum five pin tumbler operation, and attached with non-removable bolts from the exterior; or

2. Ladders mounted such that the lowest rung is at least 10 feet above finished grade.

K. There shall be no exterior phone panels.

L. Buildings, open parking lots, walkways, and accesses thereto shall conform to the following light standards:
1. All types of exterior doors shall be illuminated during the hours of darkness, with a minimum maintained one foot-candle of light, measured within a five-foot radius on each side of the door at ground level. The light source shall be controlled by a photocell device or a time-clock with an astronomic clock feature and capable of operating during a power outage.

2. Recessed areas of buildings or fences, which have a minimum depth of two feet, a minimum height of five feet, and do not exceed six feet in width and are capable of human concealment, shall be illuminated with a minimum maintained 0.25 foot-candles of light at ground level during the hours of darkness. This requirement applies to defined recessed areas which are within six feet of the edge of a designated walking surface with an unobstructed pathway to it, not hindered by walls or hedge row landscaping a minimum of two feet in height.

3. Light poles/standards mounted at 12 to 14 feet shall be used for walkways and gathering areas for a better spread of light. Bollards cannot accomplish this as they do not fully illuminate an average adult for positive facial recognition.

4. Stairways shall be illuminated with a minimum maintained one foot-candle of light on all landings and stair treads, during the hours of operation, including one hour thereafter.

5. All interior or exterior corridors, passageways and walkways in any hotel, motel or inn shall be illuminated at all times with a minimum maintained one foot-candle of light on the walking surface.

6. All exterior pedestrian walkways, interior common corridors, and open parking lots shall be illuminated with a minimum maintained one foot-candle of light on the walking or driving surface during the hours of operation and one hour thereafter.

7. Accessible luminaires utilized to meet the requirements of this section have vandal resistant light fixtures and be not less than three feet in height from ground level when used to illuminate walkways and a minimum of eight feet in height from ground level when illuminating surfaces associated with vehicles. Light fixtures shall be deemed accessible if mounted within fifteen feet vertically or six feet horizontally from any accessible surface or any adjoining roof, balcony, landing, stair tread, platform or similar structure.

8. A site plan shall be provided showing buildings, parking area, walkways, detailed landscaping and a point-by-point photometric calculation of the required light levels. Foot-candles shall be measured on a horizontal plane and conform to a uniformity ratio of 4:1 average/minimum. Landscaping
shall not be planted so as to obscure required light levels. The photometric study shall be provided prior to issuing the Building Permit.

9. Landscaping around the perimeter of the structure shall not provide access to any portion of the structure unless the accessible point is protected as described in subsection H. hereinabove.

10. All landscaping shall be low profile around perimeter windows, doors and entryways. Floral or grass ground cover is recommended. Bushes shall be trimmed to 2 to 3 feet and away from buildings. Dense bushes shall not be clumped together; this provides a hiding place for criminal activity.

11. Trees shall be trimmed up to 7 feet.

12. Trees/bushes/shrubs shall not be planted next to or near light fixtures or light standards. When grown to maturity this landscaping will block the light and reduce lighting on the ground surface.

M. Nonresidential buildings shall display a street address number conforming to the following specifications:

1. Numerals shall be located where they are clearly visible from the street on which they are addressed. They shall be of a color contrasting to the background to which they are affixed. Method of attachment shall not include the use of two-sided tape or any material not resistant to weather conditions.

2. Numerals shall be no less than six inches in height, if located less than 100 feet from the center line of the addressed street or 12 inches in height if placed further than 100 feet from the center line of the addressed street. The numerals shall be illuminated during the hours of darkness using a light source provided with an uninterruptible A.C. power source or controlled only by a photoelectric device.

3. The rear doors of all building shall have address numbers not less than six inches in height and be of a color contrasting to the background to which they are affixed.

N. Elevators shall be designed as follows:

1. Elevator cabs, the interiors of which are not completely visible when the door is open from a point centered on and 36 inches away from the door, shall have shatter resistant mirrors or other equally reflective material so placed as to make visible the entire elevator cab from this point. The elevator cab shall be illuminated at all times with a minimum maintained two foot-candles of light at floor level.
2. Elevator emergency stop buttons shall be so installed and connected as to activate the elevator alarm when utilized.

I. Parking kiosks shall conform to the following standards:

1. The landscaping around the island of the booth shall be ground cover only.

2. A mirror shall be installed on the interior of the booth to allow the attendant to see who is approaching from behind.

3. The attendant shall have some form of communication (radio/phone/panic alarm) in which to make contact with emergency or security personnel.

Section 13-20-15: SPECIAL PARKING FACILITIES PROVISIONS

A structure, garage or covered parking surface intended primarily for the storage of motor vehicles for any period of time, except for residential carports, shall comply with this section.

A. Remote or detached parking facilities or any other parking surfaces which are constructed as a separate entity shall be assigned a street address number. The numerals shall be displayed at the main entrance using numbers a minimum of eight inches in height and of a color contrasting to the background to which they are affixed.

B. Restrooms shall not be open to the general public and shall be continuously locked, with access provided only to authorized individuals. They shall be located in an area which is highly visible from the parking attendant kiosk or other area where natural surveillance is afforded.

C. Bicycle storage units or racks shall be located in high visibility areas.

D. Solid perimeter walls shall be either full height floor to ceiling or not exceed 42 inches in height from the parking surface.

E. The number of pedestrian and vehicular access points shall be minimized. Except at vehicle and primary pedestrian openings, the structure shall be designed, to the satisfaction of the City, to preclude human entry from any exterior accessible surface to a height of eight feet. Chain link fencing shall not be utilized if visible from a public right of way. When required, fire authority openings in the form of swing-out gates shall be provided and secured by a padlock with a minimum 3/8-inch diameter shackle and five-pin tumblers operation.
F. Exterior pedestrian doors which provide access into the parking facility, shall be constructed and equipped as follows:

1. A minimum 18 gauge steel and equipped with automatic hydraulic closure device.

2. A minimum 100-square-inch vision panel, with the width not less than five inches, to provide visibility into the area being entered. Vision panels shall meet requirements of the Uniform Building Code.

3. Vision panels shall preclude manipulation of the interior locking device from the exterior.

4. No openings within twenty-four inches of the locking device which would allow a piece of metal, 1/16-inch diameter or greater to be inserted and access gained to the interior side of the door.

5. When panic hardware is required, it shall have a self-locking mechanism and be constructed/equipped as follows:
   a. Panic hardware on pairs of doors shall contain a minimum of two locking points on each door; or
   b. On single doors, panic hardware may have one locking point, which is not located at either the top or bottom of the doorframe. When mortise hardware is utilized, a protective astragal consisting of a minimum 0.125 inch thick steel shall be attached to the exterior of the door and rendered non-removable from the exterior. It shall be two inches wide and extend a minimum of five inches above and below the strike opening and extend a minimum of one inch beyond the edge of the door.
   c. Double doors containing panic hardware shall have an astragal attached to the doors at their meeting point, which will close the opening between them, but not interfere with the operation of either door. Fire rated astragals, meeting specifications of the Uniform Building Code, shall be utilized when required. Astragals are not required when panic hardware is utilized with push pads offset a minimum of three inches from the door edges.

6. Emergency exits not intended, as a primary entrance shall have no exterior handles, knobs, or levers.

7. Hinges shall be equipped with non-removable hinge pins or a mechanical interlock to preclude removal of the door from the exterior by removing the hinge pins.
G. Stairways shall be designed as follows:
   1. Interior doors shall have glazing panels a minimum of five inches wide and
      20 inches in height and meet requirements of the Uniform Building Code.
   2. Areas beneath stairways at or below ground level shall be fully enclosed or
      access to them restricted.
   3. Stairways shall be designed to be completely visible from either the interior
      or exterior or both, unless mandated by the Uniform Building Code to be
      enclosed.
   4. Fully enclosed interior or exterior stairways with solid walls, when required,
      shall have shatter resistant mirrors or other equally reflective material at
      each level and landing and be designed or placed in such a manner as to
      provide visibility around corners.

H. Elevator cabs and lobbies shall be designed as follows:
   1. Elevators which serve more than two floors, above ground level, with at
      least one shaft wall exposed to the exterior or interior shall have clear
      glazing installed in one wall to provide visibility into the elevator cab.
   2. Elevator cabs, the interiors of which are not completely visible when the
      door is open from a point centered on and 36 inches away from the door,
      shall have shatter resistant mirrors or other equally reflective material so
      placed as to make visible the entire elevator cab from this point. The
      elevator cab shall be illuminated at all times with a minimum maintained two
      foot-candles of light at floor level.
   3. Elevator emergency stop buttons shall be so installed and connected as to
      activate the elevator alarm when utilized.
   4. Elevator lobbies, if enclosed, shall be constructed of glazing, the maximum
      amount allowed by the Uniform Building Code.

I. Lighting of driveways, parking areas, walkways and doors shall conform to the
   following standards:
   1. All parking, driving, and walking surfaces, except stairways, shall be
      illuminated at all times with a minimum maintained 1.25 foot-candles of light.
      Exception: Parking facilities which have physically precluded pedestrian
      and vehicle access during non-business hours may provide a minimum
      maintained 0.25 of light on the parking, walking and driving surfaces.
   2. Stairways shall be illuminated at all times with a minimum maintained two
      foot-candles of light on all landings and stair treads.
3. All types of exterior doors shall be illuminated, during the hours of darkness, with a minimum maintained one foot-candle of light, measured within a five-foot radius of each side of the door at ground level.

4. Recessed areas of buildings or fences, which have a minimum depth of two feet, a minimum height of five feet, and do not exceed six feet in width and are capable of human concealment, shall be illuminated with a minimum maintained 0.25 foot-candles of light at ground level during the hours of darkness. This requirement applies to defined recessed areas which are within six feet of the edge of a designated walking surface with an unobstructed pathway to it, not hindered by walls or hedge row landscaping a minimum of two feet in height.

5. All luminaires utilized to meet the requirements of this section shall have vandal resistant light fixtures, if on the exterior, with no portion of the fixture placed less than 72 inches above the walking or driving surface.

6. A site plan shall be provided showing buildings' parking area, walkways, detailed landscaping and a point-by-point photometric calculation of the required light levels. Foot-candles shall be measured on a horizontal plane and conform to a uniformity ratio of 4:1 average/minimum. Landscaping shall not be planted so as to obscure required light levels. The photometric study shall be provided prior to issuing the Building Permit.

7. The light source shall be controlled by a photocell device or a time-clock with an astronomic feature and capable of operating during a power failure.

J. Landscaping around the perimeter of the structure shall not provide access to any portion of the structure unless the accessible point is protected as described in subsection H. hereinabove.

K. All landscaping shall be low profile around perimeter windows, doors and entryways. Floral or grass ground cover is recommended. Bushes shall be trimmed to 2 to 3 feet and away from buildings. Dense bushes shall not be clumped together; this provides a hiding place for criminal activity.

L. Trees shall be trimmed up to 7 feet.

M. Trees/bushes/shrubs shall not be planted next to or near light fixtures or light standards. When grown to maturity this landscaping will block the light and reduce lighting on the ground surface.

N. Perimeter fencing shall be a minimum of 6 feet high street side. Wood fence horizontal rails shall be on the interior of the perimeter. Where wrought iron or steel tubular fencing is used, the rails members shall run along the top and
bottom portion of the fence. Chain-link fencing shall not have plastic or metal slats weaved within it.

Section 13-20-16: EMERGENCY ACCESS

A. Private roads and parking areas or structures controlled by unmanned mechanical parking type gates shall provide for police emergency access utilizing an approved key switch device and designed as follows:

1. A control pedestal consisting of a metal post/pipe shall be installed at a height of 42 inches and a minimum of 15 feet from the entry/exit gate. It shall be located on the driver's side of the road or driveway and accessible in such a manner as to not require a person to exit their vehicle to reach it; nor to require any back-up movements in order to enter/exit the gate.

2. A control housing consisting of a heavy gauge metal, vandal and weather resistant square or rectangular housing which shall be installed on the top of the control pedestal. Key switch is to be mounted on the side facing the roadway.

B. All lockable pedestrian gates to residential recreation areas serving six or more dwelling units, and gates or doors to common walkways or hallways of residential complexes where the there are four or more dwelling units within the complex, shall provide for police emergency access utilizing an approved key switch device or approved key vault which shall be installed as follows:

1. Pedestrian gates/doors using an electromagnetic type lock shall install a key switch within a telephone/intercom console or in a control housing as described in section (a)(2) above.

2. Pedestrian gates/doors utilizing mechanical locks shall install a key vault adjacent to each gate/door, securely attaching it to a fence or wall.

C. Nonresidential multi-tenant buildings utilizing electronic access control systems on the main entry doors, and enclosed retail shopping centers shall provide police emergency access utilizing an approved key switch-device or approved key vault which shall be installed as follows:

1. All doors using an electromagnetic type lock shall install a key switch device within the building's exterior telephone/intercom console or in a control housing as described in section (a)(2) above, located within close proximity and in a visible area near the door.

2. Exterior main entry doors of an enclosed shopping center utilizing mechanical door locks shall install a key vault within close proximity and in a visible area near the door.
Section 13-20-17: SPECIAL RECREATIONAL SPACES PROVISIONS

The provisions of this section shall apply to community buildings, parks, open spaces, trails, community swimming pools, and associated sidewalks and parking lots.

A. Structures shall comply with all provisions of the El Segundo Security Code Conditions of Approval, except section Special Nonresidential Building Provisions, subsection L, regarding lighting standards.

B. Exterior lighting shall conform to the following standards:

1. All types of exterior doors shall be illuminated during the hours of darkness with a minimum maintained one foot-candle of light at ground level, measured within a five-foot radius from the center of the door.

2. Recessed areas of buildings or fences, which have a minimum depth of two feet, a minimum height of five feet, and do not exceed feet in width and are capable of human concealment, shall illuminated with a minimum maintained 0.25 foot-candles of light at ground level during the hours of darkness. This requirement applies to defined recessed areas which are within six feet of the edge of a designated walking surface with an unobstructed pathway to it, not hindered by walls or hedge tow landscaping a minimum of two feet in height.

3. Stairways shall be illuminated with a minimum one foot-candle of light on all landings and stair treads, during the hours of operation, including one hour thereafter.

4. Parking lots and walkways accessing buildings and parking areas shall be illuminated with a minimum maintained one foot-candle of light on the driving or walking surface during the hours of operation and one hour thereafter.

5. Bike trails not incorporated in the roadway shall be illuminated with a minimum maintained 0.25 foot-candles of light at ground level during the hours of darkness, except that any bike trail or recreational facility within the designated Natural Community Conservation Plan/Habitat Conservation Plan, Central Coastal Sub region reserve area shall be exempt from the requirements of this subsection.

6. Paved walkways in open space areas, not directly serving buildings or parking areas, shall be illuminated with a minimum maintained one foot-candle of light on the walking surface during the hours of operation and one hour thereafter.
7. Swimming pool decks and other hard surface recreation activity areas shall be illuminated with a minimum maintained one foot-candle of light on the walking surface during the hours of operation and one hour thereafter.

8. Luminaires utilized to meet the requirements of this section shall have vandal resistant light fixtures, if accessible, and be not less than eight feet in height from ground level. A luminaire not less than 42 inches may be utilized to illuminate a walkway if adjacent landscaping is of a variety which does not mature higher than two feet, and it does not interfere with the required light distribution for a distance of 16 feet along the walkway. Light fixtures shall be deemed accessible if mounted within 15 feet vertically or six feet horizontally from any accessible surface or any adjoining roof, balcony, landing, stair treads, platform or similar structure.

9. Activation of the required exterior lighting shall be either by a photocell device or a time clock with an astronomical clock feature.

10. A site plan shall be provided showing buildings, parking area, walkways, detailed landscaping and a point-by-point photometric calculation of the required light levels. Foot-candles shall be measured on a horizontal plane and conform to a uniformity ratio of 4:1 average/minimum. Landscaping shall not be planted so as to obscure required light levels. The photometric study shall be provided for approval prior to issuing the Building Permit.

11. Landscaping around the perimeter of the structure shall not provide access to any portion of the structure unless the accessible point is protected as described in subsection H. hereinabove.

12. All landscaping shall be low profile around perimeter windows, doors and entryways. Floral or grass ground cover is recommended. Bushes shall be trimmed to 2 to 3 feet and away from buildings. Dense bushes shall not be clumped together; this provides a hiding place for criminal activity.

13. Trees shall be trimmed up to 7 feet.

14. Trees/bushes/shrubs shall not be planted next to or near light fixtures or light standards. When grown to maturity this landscaping will block the light and reduce lighting on the ground surface.

C. Swimming pools shall be secured as follows:

1. Restroom doors and pool gates shall be equipped with automatic closure devices, dead latches, and a latch protector consisting of minimum 0.125-inch-thick steel, two inches wide and six inches long.
2. The pool equipment room or enclosure to be secured with either a deadbolt lock or padlock with a minimum five-pin tumbler operation, minimum three-eighths-inch thick shackle, and heel and toe locking.

3. The on and off switch for the spa is to be keyed.

4. Perimeter fencing, using either tubular steel or aluminum, is to be installed at a minimum height of six feet. Vertical fence pickets are to be spaced not more than four inches on-center and be designed to discourage climbing.

5. Emergency access to locked gates is to be provided through installation of a Knox box key vault which shall contain all keys required to enter the pool area at any time. The box is to be installed within eight feet of the gate and placed between four and five feet above ground level.

6. Selection of landscaping is to consider height of plants regarding providing needed visibility into the pool area from adjacent uses, buildings, and streets.

7. Lighting shall conform to Special Non-residential section regarding lighting fixtures.

8. All entrances to nonpublic pools/spas shall have signage indicating it is private property and no trespassing allowed.

D. Landscaping guidelines are as follows:

1. Plant materials utilized shall take into consideration the need for users of the space to easily view their surroundings as well as police patrols to monitor the area from adjacent streets.

2. Trees shall be positioned to avoid interfering with required lighting levels and take into consideration the height of canopies from ground level regarding surveillance opportunities by users of the space and police patrols.

3. Planting of wide hedge rows and narrow vertical plants adjacent to solid fences is encouraged.

Section 13-20-18: COMMERCIAL/RETAIL PROVISIONS

A. Security cameras shall be installed in all new commercial/retail establishments if the Police Department deems it necessary due to the type of business, hours of operation, location and propensity to crime.

1. The Police Department shall determine the monitoring and recording location of the security cameras, which include, but are not limited to:
shipping/receiving dock areas, cash handling/counting areas, the
manager's office, the safe, all access doors and any other areas deemed
necessary by the Police Department. Monitor and recording equipment
shall be stored in a secure area (ex. manager's office).

2. Monitoring and recording equipment shall be stored in a secured area.

3. Cameras recording driveways and driving surfaces shall monitor and record
vehicle occupants and the license plate number as they enter/exit.

4. Landscaping shall not be planted so as to obscure required monitoring and
recording.

5. The Police Department's minimum camera requirements shall be listed after
the Camera Specifications.

Camera Specifications:
a. All security cameras shall be in color.

b. Cameras, especially those viewing customers as they enter the
business or stand at cash registers, shall capture the individual from the
waist to the top of the head, straight on.

c. If storefront windows and entry doors are constructed of glass, cameras
shall be positioned to face away from them to prevent glare.

d. Cameras facing Point of Sale shall be slightly off set so the employee at
the register does not block full view of the customer.

e. Cameras shall be situated low enough so that caps/hats or other
disguises (typically used when committing a crime) will not obstruct the
view of the individual's face. This will provide the best possible picture
for identification during the investigation process.

f. The maximum mounting height shall be 8 feet.

g. Cameras shall have a two terabyte minimum hardware with the
recording device set to motion recording.

h. Cameras shall be one mega pixel minimum resolution.

i. The recording device shall be set to a minimum of 12 frames per second
per camera.
j. There shall be a monitor connected to the recording equipment to play back and review the video. The equipment shall be stored in a secure area (ex. manager's office).

k. Security camera recordings shall be made available to law enforcement

6. A schematic plan of the security camera system shall be submitted and approved by the El Segundo Police Department prior to issuing the Tenant Improvement Building Permit, and shall be included on a page in the stamped set of plans.

B. Safes shall be installed in all commercial retail businesses and shall be equipped with suitable anchors in concrete blocks or to the premises in which located.

APPENDIX A: El Segundo Police Department Approved Security Hardware.

HARDWARE LISTED ARE EXAMPLES. HOWEVER, ANY EQUAL GRADE IS ACCEPTABLE AFTER CUT SHEETS ARE PROVIDED AND MEETS WITH THE POLICE DEPARTMENT APPROVAL.

Single or Double Swing / Hollow Metal and Wood Doors Only:
- Schlage L9453 or equal lockset (Grade 1 lockset with 1" throw bolt)
  - with the equivalent of an MS 4043 cylinder guard.
- Electrified L9453 or equal (Grade 1 lockset with 1" throw bolt)
  - with the equivalent of an MS 4043 cylinder guard.
  - A latch bolt by itself is not acceptable
- A latch guard shall be placed over single swing entry doors. If the door is recessed, a recessed latch guard shall be installed.

Hollow Metal Double Door Only:
- Must have a full length steel astragal (Pemko 357 or equal), not aluminum. Inactive door is to have auto-releasing flush bolts, header and threshold, with a min ½" embedment.

Single Or Double Swing Doors where panic hardware is required (wood, hollow metal and aluminum):
- Von Duprin or equal vertical rod panic hardware [panic bar shall be offset on both sides – Adams Rite is not acceptable for this application on aluminum doors only.
- There shall be no mail slot located within 40” of the door, where the push bar can be manipulated by reaching through.

Single Door Alternative where panic hardware is required:
• Rim Panic with the installation of an exterior 12 inch astragal. If astragal cannot be installed a vertical rod panic device will be required.

**Aluminum/Glass Doors only where panic hardware is not required:**

• **Single Swing:** Adams Rite MS1890 Hook bolt with an Adams Rite 4002 Flat Armored Trim Strike plate, or, Keedex surface mounted armored strike or equal (meeting a minimum 1500 pound sheer force) with a MS 4043 Cylinder Guard or equal.

• **Double Swing:** MS 1850 Laminate Swing Bolt (1 ¾”) and:
  - An MS 4043 Cylinder Guard or equal.
  - An Adams Rite 4085 header bolt or equal; and
  - An Adams Rite MS 4002 Radius Armored Trim Strike plate designed for double doors or equal.

**Hinges:**

• All exterior hinges, whether off a common corridor or to the exterior of the building will require that all three hinges have an NRP designation (non-removable pin) set screw.

**HARDWARE LISTED ARE EXAMPLES. HOWEVER, ANY EQUAL GRADE IS ACCEPTABLE AFTER CUT SHEETS ARE PROVIDED AND MEETS WITH THE POLICE DEPARTMENT APPROVAL.”**

**SECTION 3: Environmental Assessment.** The City Council determines that this ordinance is exempt from review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., “CEQA”) and the regulations promulgated thereunder (14 California Code of Regulations §§ 15000, et seq., the “CEQA Guidelines”) because it consists only of minor revisions and clarifications to an existing code of construction-related regulations and specification of procedures related thereto and will not have the effect of deleting or substantially changing any regulatory standards or findings required therefor, and therefore does not have the potential to cause significant effects on the environment. In addition, this ordinance is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

**SECTION 4: Construction.** This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council’s intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

**SECTION 5: Savings Clause.** Repeal of any provision of the ESMC or any other city ordinance herein will not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance’s effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.
SECTION 6: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the city council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 7: Validity of Prior Code Sections. If this the entire Ordinance or its application is deemed invalid by a court of competent jurisdiction, any repeal of the ESMC or other the city ordinance by this Ordinance will be rendered void and cause such ESMC provision or other the city ordinance to remain in full force and effect for all purposes.

SECTION 8: Publication. The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: Effective Date. This Ordinance will become effective on the 31st day following its passage and adoption.

PASSED AND ADOPTED this ____ day of _________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM

Mark Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. was duly introduced by said City Council at a regular meeting held on the _____ day of ________________, 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk,
all at a regular meeting of said Council held on the ______ day of __________________, 2016, and the same was so passed and adopted by the following vote:

AYES:  
NOES:  
ABSENT:  
ABSTAIN:

__________________________  
Tracy Weaver, City Clerk
AGENDA DESCRIPTION:

Consideration and possible action to authorize the City Manager to recruit and hire an Information Systems Director (Fiscal Impact: $226,000).

RECOMMENDED COUNCIL ACTION:

(1) Authorize the City Manager to recruit and hire an Information Systems Director.

(2) Alternatively, discuss and take other action related to this item.

ATTACHED SUPPORTING DOCUMENTS:

1) None

FISCAL IMPACT: Included in Adopted Budget

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ORIGINATED BY: Brian Evanski, Captain

REVIEWED BY: Mitch Tavera, Chief of Police

APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:

Prior to January 2011, the Information Systems (IS) Division was supervised by an IS Manager who reported directly to an Assistant City Manager. On December 31, 2010, the Assistant City Manager and the IS Manager retired.

At the time, the City was experiencing financial and economic hardships due to the recession. Based on the City’s financial situation, it was decided to eliminate the Assistant City Manager position and relocate the overall responsibility of the IS Division to the Police Department.

Since 2011, the Police Department has utilized a Police Captain to manage the overall functionality of the IS Division. Although this governance structure has successfully worked as a stopgap solution, it is not the ideal scheme.

In September 2015, NexLevel, an IS consulting firm, completed an “Information Systems Strategic Plan” for the City. This plan documented findings regarding the current IS policies and practices, and provided recommendations for the City including a roadmap specific to technology projects and resource allocation.

In their report, NexLevel recommended removing the IS Division from within the Police Department as it is not optimum to have IS report to a “User Department.”
The ideal and preferred arrangement is to have the IS Division report directly to a new, dedicated Department Director, or to an Assistant City Manager.

In September 2016, during several strategic planning and budgeting sessions, City Council discussed the idea of hiring an IS Director. Further, the City Council earmarked and “parked” necessary monies to fund the Director position if the City decided to move forward.

On November 14, 2016, the City’s Technology Committee convened and discussed the governance and overall structure of the IS Division. The Technology Committee agreed with the recommendations outlined in the strategic plan regarding the management and governance of the IS Division.

There are a number of benefits to having a dedicated Director for Information Services including:

- The City has recognized through its Strategic Plan, the need to upgrade and integrate its systems for efficiency and improved customer service.
- The complexity and number of current and future technology challenges and decisions has outgrown the current staffing and organization model used by the City.
- Based on these growing needs and staffing levels, the City would benefit from an experienced, executive-level manager to lead the transition from our current status to a level where we are making the best use of available technology and planning for future needs.
- There are technology initiatives that are city-wide or multi-departmental in their impacts and it’s critical to have a single point of responsibility and leadership in these cases.
- While the Police Department has done a commendable job of overseeing the City’s IS operations during our period of economic difficulty, the transfer of these responsibilities will allow the Police Department to focus on their public safety responsibilities.
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**TOTAL WARRANTS**: $1,611,671.83

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**STATE OF CALIFORNIA**

**COUNTY OF LOS ANGELES**

Information on actual expenditures is available in the Director of Finance's office in the City of El Segundo.

I certify as to the accuracy of the Demands and the availability of fund for payment thereof.

For Approval: Regular checks held for City council authorization to release.

**CODES:**

- **R**: Computer generated checks for all non-emergency/emergency payments for materials, supplies and services in support of City Operations
- **A**: Payroll and Employee Benefit checks
- **B-F**: Computer generated Early Release disbursements and/or adjustments approved by the City Manager. Such are payments for utility services, petty cash and employee travel expense reimbursements, various refunds, contract employee services consistent with current contractual agreements, instances where prompt payment discounts can be obtained or late payment penalties can be avoided or when a situation arises that the City Manager approves.
- **H**: Handwritten Early Release disbursements and/or adjustments approved by the City Manager.

**FINANCE DIRECTOR**: Joseph Kretz

**DATE**: 11-28-16

**CITY MANAGER**:

**DATE**: 11-30-16

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**VOID CHECKS DUE TO ALIGNMENT:**

N/A

**VOID CHECKS DUE TO INCORRECT CHECK DATE:**

**VOID CHECKS DUE TO COMPUTER SOFTWARE ERROR:**

**NOTES**
# CITY OF EL SEGUNDO
## PAYMENTS BY WIRE TRANSFER
### 11/7/16 THROUGH 11/27/16

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### DATE OF RATIFICATION: 11/28/16
### TOTAL PAYMENTS BY WIRE:

\[ 4,164,127.60 \]

Certified as to the accuracy of the wire transfers by:

**Deputy City Treasurer**

**Director of Finance**

**City Manager**

Information on actual expenditures is available in the City Treasurer's Office of the City of El Segundo.

P:\City Treasurer\Wire Transfers\Wire Transfers 10-01-16 to 9-30-17

11/28/2016, 1/1
PREVIOUSLY APPROVED MINUTES OF THE SEPTEMBER 6, 2016 AT THE SEPTEMBER 20, 2016

ITEM #17

MOTION by Council Member Brann, SECONDED by Council Member Dugan approving the request from the El Segundo Kiwanis Club to operate a Beer Garden on public right of way at the 40th Annual Richmond Street Fair on Saturday, September 24, 2016 from 11:00 am – 5:00 pm., subject to compliance with all Alcohol Beverage Commission regulations and permits. MOTION PASSED BY VOICE VOTE. 4/1 YES: Boyles, Brann, Dugan, Pirsztuk NO: Fuentes

12. Consideration and possible action to award a standard Public Works Contract to Kana Subsurface Engineering for the Water Meter Replacement Project in Commercial Area Project. Project No. PW 10-04 (Fiscal Impact: $1,186,088.00)

MOTION by Council Member Brann, SECONDED by Mayor Pro Tem Boyles authorizing the City Manager to execute a standard Public Works Contract No. 5194, in a form approved by the City Attorney, with Kana Subsurface Engineering in the amount of $1,031,381.00 for the Water Meter Replacement Project in Commercial Area East of Sepulveda Blvd. and Smokey Hollow area and authorize additional contingency of $154,707.00 for unforeseen conditions. Project No. PW16-04. MOTION PASSED BY VOICE VOTE. 4/1 YES: Boyles, Brann, Fuentes, Pirsztuk NO: Dugan

17. Consideration and possible action to 1) award a standard Public Works contract Letner Roofing Company for the Fire Station 1 Roof Replacement Project, 2) reject all bids for the Police Department Roof Replacement Project and 3) adopt plans and specifications for the Police Department roof and authorize staff to advertise for the receipt of construction bids; PW No. 15-18. (Fiscal Impact: $333,000.00)

Council Discussion

Stephanie Katsouleas answered Council’s questions.

MOTION by Council Member Brann, SECONDED by Council Member Pirsztuk to award a standard Public Works Contract No. 5196 to Letner Roofing Company for the Fire Station 1 Roof Replacement Project and the Police Department Roof Replacement Project, directed staff to remove the Police Department Roof Replacement Project from the contract, adopt plans and specifications for the Police Department roof and authorize staff to advertise for the receipt of construction bids; PW No. 15-18. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

F. NEW BUSINESS
MOTION by Council Member Brann, SECONDED by Council Member Dugan approving the request from the El Segundo Kiwanis Club to operate a Beer Garden on public right of way at the 40th Annual Richmond Street Fair on Saturday, September 24, 2016 from 11:00 am – 5:00 pm., subject to compliance with all Alcohol Beverage Commission regulations and permits. MOTION PASSED BY VOICE VOTE. 4/1 YES: Boyles, Brann, Dugan, Pirsztuk NO: Fuentes

12. Consideration and possible action to award a standard Public Works Contract to Kana Subsurface Engineering for the Water Meter Replacement Project in Commercial Area Project. Project No. PW 10-04
   (Fiscal Impact: $1,186,088.00)

MOTION by Council Member Brann, SECONDED by Mayor Pro Tem Boyles authorizing the City Manager to execute a standard Public Works Contract No. 5194, in a form approved by the City Attorney, with Kana Subsurface Engineering in the amount of $1,031,381.00 for the Water Meter Replacement Project in Commercial Area East of Sepulveda Blvd. and Smokey Hollow area and authorize additional contingency of $154,707.00 for unforeseen conditions. Project No. PW16-04. MOTION PASSED BY VOICE VOTE. 4/1 YES: Boyles, Brann, Fuentes, Pirsztuk NO: Dugan

17. Consideration and possible action to 1) award a standard Public Works contract Letner Roofing Company for the Fire Station 1 Roof Replacement Project, 2) reject all bids for the Police Department Roof Replacement Project and 3) adopt plans and specifications for the Police Department roof and authorize staff to advertise for the receipt of construction bids; PW No. 15-18.
   (Fiscal Impact: $333,000.00)

Council Discussion

Stephanie Katsouleas answered Council’s questions.

MOTION by Council Member Brann, SECONDED by Council Member Pirsztuk to award a standard Public Works Contract No. 5196 to Letner Roofing Company for the Fire Station 1 Roof Replacement Project and the Police Department Roof Replacement Project, in the amount of $806,000.00 and directed staff to issue a Change Order to reduce the total amount of the contract to $333,000.00 by removing the Police Department Roof Replacement Project from the contract, adopt plans and specifications for the Police Department roof and authorize staff to advertise for the receipt of construction bids; PW No. 15-18. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

F. NEW BUSINESS
THE SPECIAL MEETING WILL RUN SIMULTANEOUSLY WITH THE REGULAR 7:00 PM
CITY COUNCIL MEETING.

SPECIAL MEETING OF THE EL SEGUNDO CITY COUNCIL
TUESDAY, NOVEMBER 15, 2016
7:00 p.m.

7:00 P.M. SESSION

CALL TO ORDER – Mayor Fuentes at 7:00 PM

PLEDGE OF ALLEGIANCE - Mayor Pro Tem Boyles

INVOCATION – Rabbi David, Jewish Community Center

ROLL CALL

Mayor Fuentes - Present
Mayor Pro Tem Boyles - Present
Council Member Dugan - Present
Council Member Brann - Present
Council Member Pirsztuk - Present

PUBLIC COMMUNICATIONS – (Related to City Business Only) – 5 minute limit per person, 30 minute limit total)
Christopher Bruce, resident, commented on the item.
Tracy, resident, commented on the item.
Dominique Vans, resident, commented on the item.

F. NEW BUSINESS

1. Consideration and possible action regarding (i) the adoption of two urgency ordinances expressly prohibiting commercial marijuana activity and personal cultivation of marijuana in the City of El Segundo, and prohibiting permit issuance for marijuana-related land uses within the City for 45-days and (ii) introduction and first reading of an ordinance prohibiting commercial marijuana activity and personal cultivation of marijuana in the City.
(Fiscal Impact: N/A)

Mark Hensley, City Attorney, introduced the item and gave a presentation.

Council discussion

Chief Tavera answered Council’s questions.

URGENCY ORDINANCE NO. 1542

AN URGENCY ORDINANCE OF THE CITY COUNCIL OF THE CITY OF EL SEGUNDO ADDING
CHAPTER 14 TO TITLE 4 AND AMENDING CHAPTER 11 OF TITLE 7 OF THE MUNICIPAL
CODE TO EXPRESSLY PROHIBIT ALL COMMERCIAL MARIJUANA ACTIVITY AND THE
PERSONAL CULTIVATION OF MARIJUANA TO THE EXTENT ALLOWED BY STATE LAW
MOTION by Council Member Brann, SECONDED by Council Member Pirsztuk to adopt Urgency Ordinance No. 1542. MOTION FAILED BY A VOICE VOTE. 3/2 YES: Brann, Fuentes, Pirsztuk NO: Boyles, Dugan. (Needed a 4/5 vote to pass)

Mark Hensley, City Attorney, read by title only:

URGENCY ORDINANCE NO. 1543

AN URGENCY ORDINANCE PROHIBITING PERMIT ISSUANCE FOR MARIJUANA-RELATED LAND USES WITHIN THE CITY FOR A PERIOD OF FORTY-FIVE DAYS TO CONSIDER AMENDING TITLE 15 OF THE EL SEGUNDO MUNICIPAL CODE

MOTION by Council Member Brann, SECONDED by Council Member Pirsztuk to adopt Urgency Ordinance No. 1543. MOTION FAILED BY A VOICE VOTE. 3/2 YES: Brann, Fuentes, Pirsztuk NO: Boyles, Dugan. (Needed a 4/5 vote to pass)

MOTION by Council Member Pirsztuk, SECONDED by Mayor Pro Tem Boyles for reconsideration. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

MOTION by Council Member Pirsztuk, SECONDED by Mayor Pro Tem Boyles to pass Urgency Ordinance No. 1542 and Urgency Ordinance No. 1543 as amended (Allowing outdoor cultivation of Marijuana on residential property to the extent allowed by State law). MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

Mark Hensley, City Attorney, read by title only:

ORDINANCE NO. 1544

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF EL SEGUNDO ADDING CHAPTER 14 TO TITLE 4 AND AMENDING CHAPTER 11 OF TITLE 7 OF THE MUNICIPAL CODE TO EXPRESSLY PROHIBIT ALL COMMERCIAL MARIJUANA ACTIVITY AND THE PERSONAL CULTIVATION OF MARIJUANA TO THE EXTENT ALLOWED BY STATE LAW (Amended - Allowing outdoor cultivation of Marijuana on residential property to the extent allowed by State law)

Council Member Pirsztuk introduced the Ordinance as amended. The second reading and adoption of the Ordinance is scheduled for December 6, 2016.

ADJOURNMENT at 9:00 PM

______________________________
Tracy Weaver, City Clerk
MEETING OF THE EL SEGUNDO CITY COUNCIL
TUESDAY, NOVEMBER 15, 2016 – 5:00 PM

5:00 P.M. SESSION

CALL TO ORDER – Mayor Fuentes at 5:00 PM

ROLL CALL

Mayor Fuentes - Present
Mayor Pro Tem Boyles - Present
Council Member Dugan - Present
Council Member Brann - Present
Council Member Pirzstuk - Present

PUBLIC COMMUNICATION – (Related to City Business Only – 5 minute limit per person, 30 minute limit total) None

SPECIAL ORDER OF BUSINESS:

Mayor Fuentes announced that Council would be meeting in closed session pursuant to the items listed on the Agenda.

CLOSED SESSION:

The City Council may move into a closed session pursuant to applicable law, including the Brown Act (Government Code Section §54960, et seq.) for the purposes of conferring with the City’s Real Property Negotiator; and/or conferring with the City Attorney on potential and/or existing litigation; and/or discussing matters covered under Government Code Section §54957 (Personnel); and/or conferring with the City’s Labor Negotiators; as follows:

CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION (Gov’t Code §54956.9(d)(1): -1- matters

1. City of El Segundo vs. City of Los Angeles, et.al. LASC Case No. BS094279

CONFERENCE WITH LEGAL COUNSEL – ANTICIPATED LITIGATION

Significant exposure to litigation pursuant to Government Code §54956.9(d)(2):-0- matters.

DISCUSSION OF PERSONNEL MATTERS (Gov't Code §54957): -2- matters

1. Public Employee Performance Evaluation
   Title: City Manager

2. Public Employee Performance Evaluation
   Title: City Attorney

APPOINTMENT OF PUBLIC EMPLOYEE (Gov't. Code § 54957): -0- matter

PUBLIC EMPLOYMENT (Gov't Code § 54957) -0- matter

CONFERENCE WITH CITY’S LABOR NEGOTIATOR (Gov’t Code §54957.6): -8- matters

1. Employee Organizations: Police Management Association; Police Officers Association; Police Support Services Employees Association; Fire Fighters Association; Supervisory, Professional Employees Association; City Employee Association and Executive and Management/Confidential Employees.

   Agency Designated Representative: Steve Filarsky and City Manager, Greg Carpenter

CONFERENCE WITH REAL PROPERTY NEGOTIATOR (Gov’t Code §54956.8): -0- matters

Adjourned at 6:50 PM
REGULAR MEETING OF THE EL SEGUNDO CITY COUNCIL
TUESDAY, NOVEMBER 15, 2016 - 7:00 P.M.

7:00 P.M. SESSION

CALL TO ORDER – Mayor Fuentes

INVOCATION – Rabbi David, Jewish Community Center

PLEDGE OF ALLEGIANCE – Mayor Pro Tem Boyles

PRESENTATIONS

a) Proclamation read by Council Member Brann, presented to Anarissa Cachila, Express Employment Professionals, declaring Monday, November 21, 2016 as “VICTORY OVER DIABETES DAY”.

b) Presentation by Crista Binder, City Treasurer and Dino Marsocci, Deputy City Treasurer on the Treasurer’s Quarterly Investment Portfolio Report.

ROLL CALL

Mayor Fuentes - Present
Mayor Pro Tem Boyles - Present
Council Member Dugan - Present
Council Member Brann - Present
Council Member Pirsztk - Present

PUBLIC COMMUNICATIONS – (Related to City Business Only – 5 minute limit per person, 30 minute limit total)
Eva Sweeney, Co-Founder of El Segundo Museum of Arts (ESMoA), gave an update on the museum.
Jim and Carrie Holland, OneLegacy Ambassador’s, invited the City of El Segundo to participate in dedicating a rose on December 30th on the OneLegacy/Donate Life Rose Parade Float.
Connie Turner and Paul Hennessey, Southern California Edison, spoke on outages that can occur and the differences and commented on the recent outages in El Segundo over the weekend.
Christopher Bruce, resident, commented on the Special Meeting Urgency Ordinances.
Dominque Vans, resident, commented on the Special Meeting Urgency Ordinances.

CITY COUNCIL COMMENTS – (Related to Public Communications)
Council commented on the Public Communication.

A. PROCEDURAL MOTIONS
Consideration of a motion to read all ordinances and resolutions on the Agenda by title only.

MOTION by Council Member Dugan, SECONDED by Council Member Brann to read all ordinances and resolutions on the agenda by title only. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0.

B. SPECIAL ORDERS OF BUSINESS (PUBLIC HEARING)

C. UNFINISHED BUSINESS

1. Consideration and possible action amending the Downtown Specific Plan (DSP) parking regulations for Non-profit Museum of Art uses. Applicant: City of El Segundo
   (Fiscal Impact: None)

Greg Carpenter, City Manager, introduced the item.

Sam Lee, Director of Planning and Building Safety, gave a presentation.

Council discussion

MOTION by Mayor Pro Tem Boyles, SECONDED by Council Member Brann approving Option 2 presented (waiving the required covenant and In-Lieu fees for parking for Non-Profit Museum of Art uses). MOTION PASSED BY VOICE VOTE. 3/2 YES: Brann, Boyles, Pirsztuk NO: Fuentes, Dugan

D. REPORTS OF COMMITTEES, COMMISSIONS AND BOARDS

E. CONSENT AGENDA

All items listed are to be adopted by one motion without discussion and passed unanimously. If a call for discussion of an item is made, the item(s) will be considered individually under the next heading of business.

2. Approve Warrant Numbers 3013664 through 3013873 on Register No. 3 in the total amount of $650,467.03 and Wire Transfers from 10/24/16 through 11/6/16 in the total amount of $905,736.02. Ratified Payroll and Employee Benefit checks; checks released early due to contracts or agreement; emergency disbursements and/or adjustments; and wire transfers.

3. Approve Regular City Council Meeting Minutes of October 18, 2016 and Regular City Council Meeting Minutes of November 1, 2016.
4. Approve Resolution No. 5008, establishing a revised salary schedule for certain part-time classifications in order to comply with the minimum wage increase effective January 1, 2017.  
(Fiscal Impact: Estimated $1,127 for upcoming year)

5. Adopt Resolution No. 5009, approving plans and specifications for Recreation and Park Phase 4 Lighting, Project No. PW 16-26, waive the bidding process for the purchase of lighting equipment from Musco Sports Lighting, LLC and authorize staff to advertise the project for receipt of construction bids.  
(Fiscal Impact: Not to exceed $400,000.00)

MOTION by Council Member Dugan, SECONDED by Council Member Brann to approve Consent Agenda items 2, 3, 4, and 5. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

F. NEW BUSINESS

6. Consideration and possible action to authorize the City Manager to enter into an agreement no. 5229 approved by the City Attorney related to the contributing funding sources of Wiseburn Unified School District, South Bay Sports, Health and Recreation, and the City of El Segundo to complete the El Segundo Aquatics Center project located on Wiseburn Unified School District property (201 N. Douglas Street).  
(Fiscal Impact: None)

Greg Carpenter, City Manager, introduced the item.

Mark Hensley, City Attorney, gave a presentation.

Council discussion

MOTION by Council Member Pirsztuk, SECONDED by Mayor Pro Tem Boyles authorizing the City Manager to execute an agreement approved by the City Attorney. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

7. Consideration and possible action to authorize the City Manager to execute a contract amendment with PCA Enterprises Inc. (dba PSM) for expanded economic development and destination marketing services.  
(Fiscal Impact: $200,000.00 in additional Economic Development Grant fund expenditures, and $240,000.00 in Economic Development Division Advertising and Publishing budget expenditures)

ITEM #7 TABLED UNTIL THE DECEMBER 6, 2016 CITY COUNCIL MEETING, PER MARK HENSLEY, CITY ATTORNEY.
G. REPORTS – CITY MANAGER – Wished all City employees and their families a Happy Thanksgiving. Chief Tavera gave a report on several items concerning El Segundo, including meetings to be held; November 21st at 7:00 PM in Council Chamber, concerning the Urban Coyote and on November 29th at 6:00 PM in Council Chamber, concerning oversized vehicles in El Segundo. Chief Tavera commented on the deceased diver found in the pipes near the NRG plant and thanked all involved in the investigation. Chief Tavera gave a report and an update on Clutter’s Bluff.


I. REPORTS – CITY CLERK - None

J. REPORTS – CITY TREASURER – gave the quarterly Treasurers report during Presentations.

K. REPORTS – CITY COUNCIL MEMBERS

Council Member Brann – Thanked Chevron for their Annual Community Awareness Day, mentioned he would like to see an agenda item on drones and their usage in El Segundo and commented on an article in the LA Times regarding LAX (Los Angeles Airport).

8. Consideration and possible action to expand the Arts and Culture Advisory Committee to seven members. (Fiscal Impact: None)

Council Member Brann presented the item.

Council discussion

MOTION by Council Member Brann, SECONDED by Council Member Pirsztuk approving the expansion of the Arts and Culture Advisory Committee to seven members. MOTION PASSED BY UNANIMOUS VOICE VOTE. 5/0

Council Member Pirsztuk – Congratulated the Recreation and Parks department on the 75th Anniversary of the Plunge event, thanked staff and all who attended the Strategic Planning/Work Plan meeting last week and reminded the Community of the upcoming Tree Lighting in the City Hall Plaza on Thursday, December 1, 2016.

Council Member Dugan – Community feedback; lights out on Richmond Street and the ladder at the plunge is held together by duct tape and needs to be checked out and also mentioned the High School football is in CIF playoffs.

Mayor Pro Tem Boyles – Attended the inaugural Technology Committee meeting was held on November 14, 2016 and also commented on the drone situation in El Segundo.
Mayor Fuentes – Attended a panel for Biz Now in Downtown Los Angeles concerning the future of Southern California, attended a meeting with Dr. Lucy Jones, hosted by SCAG concerning earthquakes, thanked Cub Scout Troop 773 for sponsoring a flag burning event at Recreation and Parks and wished all a Happy Thanksgiving.

PUBLIC COMMUNICATIONS – (Related to City Business Only – 5 minute limit per person, 30 minute limit total) None

MEMORIALS – None

ADJOURNMENT at 9:00 PM

______________________________
Tracy Weaver, City Clerk
AGENDA DESCRIPTION:
Consideration and possible action regarding a request for on-site sale of beer, wine, and distilled spirits (Type 47 ABC License) for an existing restaurant with a new occupant (El Gringo Restaurant) at 422 Main Street, EA No. 1160, AUP No. 16-08. Applicant: SAGA Architecture. (Fiscal Impact: N/A)

RECOMMENDED COUNCIL ACTION:
1. Receive and file this report for the on-site sale of beer, wine, and distilled spirits at an existing restaurant with a new occupant at 422 Main Street; and/or
2. Alternatively, discuss and take other possible action related to this item.

ATTACHED SUPPORTING DOCUMENTS:
1. Crime and Arrest Statistics by Reporting Districts (RD)
2. Police Reporting Districts Map

FISCAL IMPACT: None

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ORIGINATED BY: Gregg McClain, Planning Manager
REVIEWED BY: Sam Lee, Planning and Building Safety Director
APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:

I. Background

On October 20, 2016, the Director of Planning and Building Safety approved an Administrative Use Permit application (EA-1160, AUP 16-08) for 422 Main Street with conditions of approval, which allows the on-site sale of beer, wine, and distilled spirits at an existing restaurant with a new occupant (Type 47). Currently the restaurant is operating under a beer and wine only permit. The Director’s decision was received and filed by the Planning Commission on October 27, 2016.

Under California law, once the Department of Alcohol Beverage Control (ABC) receives an application for a license, they must notify the applicable local city of the pending application. The local agency then has 30 days to review and, if applicable, protest the issuance of the license. The grounds of a protest should relate to public health, safety or welfare concerns. In this case, the applicant has not yet applied to ABC for the license.
In 1995, the City Council directed staff to bring all future Department of Alcoholic Beverage Control (ABC) licenses to it for review. Based upon that direction, relevant background information regarding this application is also provided. After the City Council considers the AUP request, staff will advise ABC of the conclusion of the entitlement process.

II. Analysis

The application for a license, if approved by the Department of ABC, would modify an existing AUP (EA-672 and AUP 05-02) to allow the sale of beer, wine, and distilled spirits at an existing 1,564 square foot restaurant (recently remodeled for a new occupant). The remodel included the conversion of 50 square feet of outdoor dining area to indoor dining, resulting in 692 square feet of indoor dining and 570 square feet of outdoor dining. The outdoor dining area is located in the middle of the restaurant, adjacent to the northern property line. The proposed business hours for the restaurant, which includes the sale of beer, wine, and distilled spirits, are Monday through Thursday, 11:00 a.m. to 10:00 p.m.; Friday, 11:00 a.m. to 11:00 p.m.; Saturday, 9:00 a.m. to 11:00 p.m.; and Sunday, 9:00 a.m. to 10:00 p.m. Food must be served during hours of business and when beer, wine, and distilled spirits service are offered.

According to the most recent crime and arrest statistics report prepared by the Police Department, the proposed restaurant is located in Reporting District (RD) 108. Based on the January – June 2016 data, the district experienced 11 Part I & II crimes and 7 felony/misdemeanor arrests. RD 108 experienced a 10% decrease in overall crime compared to the same reporting period for 2015. The Police Department and the Planning and Building Safety Department do not object to the issuance of the Type 47 ABC License for the new restaurant.

The project site is located in the Downtown Specific Plan (DSP). On-site sale of beer, wine, and distilled spirits at a restaurant, requires an administrative use permit in accordance with Section VI(A)(4)(a) of the DSP. The permit was approved by the Director of Planning and Building Safety and the Planning Commission with appropriate conditions attached.

ABC license review requires mandatory findings that are regulated by ABC, which is independent of the City’s AUP process. ABC is responsible for running a complete background check on all alcohol license applicants, as well as conducting site inspections, before issuing any type of alcohol license.

III. Environmental Review

The project is categorically exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to 14 California Code of Regulations § 15301 as a Class 1 categorical exemption (Existing Facilities). The project is a request for a beer, wine, and distilled spirits permit an existing restaurant with a new occupant. The approval of an administrative use permit for alcohol at the proposed restaurant involves a negligible expansion of the existing use, which was previously used as a restaurant.
IV. Conclusion

Staff recommends that the Council receive and file this report without objecting to the issuance of a new Type 47 ABC license at 422 Main Street or alternatively discuss and take another action related to this item.
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Number of Reporting Districts = 52
Average # of Part I & II Crimes per Reporting District = 13
Average # of Felony/Misdemeanor Part I & II Crime Arrests per Reporting District = 6
Average # of Crimes and Arrests per Reporting District = 20
(Results from 01/01/2016 through 06/30/2016)

High Crime Area per B&P Code Section 23958.4 = >20%
AGENDA DESCRIPTION:

Consideration and Possible Action regarding Director of Planning and Building Safety Decisions for Administrative Adjustments and an Administrative Use Permit.

RECOMMENDED PLANNING COMMISSION ACTION:

1. Receive and File Director of Planning and Building Safety Decision(s); and/or
2. Discuss and take any action related to this item.

DECISIONS AND SUPPORTING DOCUMENTS:

1. Environmental Assessment No. EA-1151 and Administrative Adjustment No. ADJ 16-03
   Director Decision Letter dated October 20, 2016, and Plans
2. Environmental Assessment No. EA-1160 and Administrative Use Permit No. AUP 16-08
   Director Decision Letter dated October 20, 2016, and Plans
3. Environmental Assessment No. EA-1172 and Administrative Adjustment No. ADJ 16-05
   Director Decision Letter date October 20, 2016, and Plans

REVIEWED BY: Gregg McClain, Planning Manager
APPROVED BY: Sam Lee, Director of Planning and Building Safety

The Director of Planning and Building Safety issued the following decisions:

1. Approved - Environmental Assessment No. EA-1151 and Administrative Adjustment No. ADJ 16-03.

   Address: 202 Whiting Street
   Applicant: Michael Chandler
   Property Owner: LBC Capital Holdings, LLC

On October 20, 2016, the Planning and Building Safety Director approved Environmental Assessment No. EA-1151 and Administrative Adjustment No. ADJ 16-03.

A 6-inch reduction to the minimum required interior parking space depth for a new two-car garage in the Multi-Family Residential (R-3) zone. ESMC §15-15-5(I)(1) and (2) requires a minimum interior parking space depth of 20 feet for residential uses. The applicant proposes a 19’-6” interior parking space depth. The project complies with all the other zoning development standards. ESMC § 15-15-5(I)(4) allows the Director of Planning and Building Safety to approve an Administrative Adjustment for a minor deviation to the parking space dimensions standards, as provided in ESMC § 15-24-1(E).
A detailed description of the project and the findings for the decision are included in the attached decision letter.

2. Approved - Environmental Assessment No. EA-1160 and Administrative Use Permit No. AUP 16-08.

Address: 422 Main Street
Applicant: William Graw, El Gringo Restaurant
Property Owner: Sylvie Gabriele and Ali Reza Mosavi Nejad

On October 20, 2016, the Planning and Building Safety Director approved Environmental Assessment No. EA-1160 and Administrative Use Permit No. AUP 16-08.

Upgrade an existing Department of Alcoholic Beverage Control (ABC) Type 41 liquor license to sell beer and wine for onsite consumption to an ABC Type 47 liquor license to sell beer, wine, and distilled spirits for onsite consumption at an existing restaurant with a new occupant (El Gringo Restaurant). The project site is located in the Main Street District of the Downtown Specific Plan. The proposed use (on-site sale and consumption of beer, wine, and distilled spirits) requires an Administrative Use Permit (AUP) pursuant to DSP Section VI.A.4.a. The applicant proposes to modify an existing AUP to expand the alcohol service to include distilled spirits. The project complies with all the other zoning development standards. ESMC § 15-22-4 allows the Director of Planning and Building Safety to approve an Administrative Use Permit subject to the required findings for approval provided in ESMC § 15-22-5. A detailed description of the project and the findings for the decision are included in the attached decision letter.

3. Pending - Environmental Assessment No. EA-1172 and Administrative Adjustment No. ADJ 16-05.

Address: 2240 - 2260 East Imperial Highway
Applicant: Brent Goshen, Pellinore Productions (on behalf of DirecTV)
Property Owner: Kilroy Realty Finance Partnership

On October 26, 2016, the Planning and Building Safety Director will hold a public hearing to consider Environmental Assessment No. EA-1172 and Adjustment No. ADJ 16-05.

Installation of a temporary sign that exceeds the maximum size allowed in the Urban Mixed Use North (MU-N) Zone. ESMC §15-15-18-8(I)(1) requires a maximum size of 100 square feet for temporary special event signs. The applicant proposes a temporary monument sign of 372 square feet. The project complies with all the other zoning development standards. ESMC § 15-18-7 allows the Director of Planning and Building Safety to approve an adjustment for a modification from any nonstructural provision of the sign ordinance, as provided in ESMC § 15-24-1(C).

In the event that the Director approves the application, staff will be asking the Planning Commission to receive and file this item. Staff will provide additional information at the meeting.
October 20, 2016

SAGA Architecture
ATTN: Lavinia Khongi
233 California Street
El Segundo, CA 90245

RE: Environmental Assessment No. EA-1160 and Administrative Use Permit AUP No. 16-08

An Administrative Use Permit request to allow for the on-site sale and consumption alcohol (beer, wine, and distilled spirits) at an existing restaurant with a new occupant (El Gringo Restaurant)

Address: 422 Main Street

Dear Ms. Khongi:

In accordance with El Segundo Municipal Code ("ESMC") Chapter 15-22, the Planning Division has reviewed your application for the above-referenced project and the Director of Planning and Building Safety Department has APPROVED Environmental Assessment No. EA-1160 and Administrative Use Permit No. 16-08 for the on-site sale and consumption of alcohol (beer, wine, and distilled spirits) at 422 Main Street. The following are the findings and facts in support of each finding for this decision:

FINDINGS AND FACTS IN SUPPORT OF FINDINGS:

Environmental Assessment No. EA-1160

Finding 1

- The proposed project is categorically exempt from the requirements of the California Environmental Quality Act (CEQA) pursuant to 14 California Code of Regulations § 15301 as a Class 1 categorical exemption (Existing Facilities).
Facts in Support of Finding 1

1. The applicant proposes to serve alcohol (beer, wine, and distilled spirits) at an existing 1,564 square foot restaurant (currently being remodeled for a new occupant). The project includes the conversion of fifty (50) square feet of outdoor dining area to indoor dining, resulting in 692 square feet of indoor dining and 570 square feet of outdoor dining. The property is in an urbanized area where there is adequate access and all public services and facilities are available. The site is in an area that is not environmentally sensitive. Therefore, the project is not anticipated to have any significant impacts with regard to traffic, noise, air quality, or water quality.

Administrative Use Permit 16-08

Finding 1

• There is compatibility of the particular use on the particular site in relationship to other existing and potential uses within the general area in which the use is proposed to be located.

Facts in Support of Finding 1

1. The applicant proposes to provide on-site sale and consumption of alcohol (beer, wine, and distilled spirits) at an existing 1,564 restaurant with a 570 square foot outdoor dining area. The restaurant is located at 422 Main Street in the Main Street District of the Downtown Specific Plan (DSP). It contains 48 seats in the indoor dining area and 16 seats in the outdoor dining area. The outdoor dining area is located in the middle of the restaurant, adjacent to the northern property line.

2. There are 4 existing onsite parking spaces for the restaurant.

3. The surrounding land uses include: general commercial, a public parking lot, offices, restaurants, and residential. A restaurant use with alcohol service is compatible with the surrounding uses. The previous restaurant at the site and other restaurants in the area also provide alcohol service.

4. The General Plan Land Use designation for the site is DSP. The zoning for the site is DSP within the Main Street District. On-site sale and consumption of alcohol at restaurants is permitted in the District with the approval of an Administrative Use Permit.

5. The property contains an existing restaurant that is currently being remodeled for a new occupant. The new occupant proposes the following modifications to the existing AUP (EA-672 and AUP 05-02):
a. Conversion of 50 square feet of outdoor dining area to indoor dining area resulting in a 692 square feet of indoor dining area;

b. Upgrade an existing Type 41 ABC (Department of Alcoholic Beverage Control) License to sell beer and wine for onsite consumption to a Type 47 ABC License to sell beer, wine, and distilled spirits for onsite consumption;

c. Slightly modified hours of alcohol service from 7:00 a.m. to 10:00 p.m. Sunday through Thursday, and 7:00 a.m. to 11:00 p.m. Fridays and, Saturdays to the proposed hours of 11:00 a.m. to 10:00 p.m. Monday through Thursday, 11:00 a.m. to 11:00 p.m. on Fridays, 9:00 a.m. to 11:00 p.m. on Saturdays, and 9:00 a.m. to 10:00 p.m. on Sundays.

Finding 2

- The proposed use is consistent and compatible with the purpose of the Zone in which the site is located.

Facts in Support of Finding 2

1. The General Plan Land Use designation for the site is Downtown Specific Plan.

2. The zoning for the site is Downtown Specific Plan (DSP) within the Main Street District. Restaurants are permitted use in this district of the zone pursuant to DSP Section VI.A.2.a.ii. The proposed use (on-site sale and consumption of beer, wine, and distilled spirits) requires an Administrative Use Permit (AUP) pursuant to DSP Section VI.A.4.a.

3. The purpose of the Main Street District of the DSP is intended to be resident serving, providing a pedestrian-oriented and pedestrian-friendly environment. Standards for the district are intended to maintain, enhance, and protect this character. Retail and services uses should serve the residents, local employees and visitors to the City. A mixed-use environment is encouraged. Non-pedestrian oriented uses are limited to areas above and behind the street level, and off alleys, with the exceptions that offices are allowed on the street-front (DSP Section VI.A.1). The proposed use is consistent with this purpose of the zone in that the building contains a mix of uses and the ground floor of the building will be occupied by a restaurant which is a resident serving pedestrian oriented use.

4. The surrounding land uses include: general commercial, a public parking lot, offices, restaurants, and residential. A restaurant use with alcohol service is compatible with the surrounding uses.

Finding 3

- The proposed location and use and the conditions under which the use would be operated or maintained will not be detrimental to the public health, safety, or welfare, or materially injurious to properties or improvements in the vicinity.
Facts in Support of Finding 3

1. The restaurant will be located in an existing building (replaces another restaurant). The parcel has four onsite parking spaces and the project does not require additional parking.

2. The surrounding land uses include: general commercial, a public parking lot, offices, restaurants, and residential.

3. The restaurant will include 692 square feet of indoor dining area and 570 square feet of outdoor dining area.

4. The intended hours of alcohol sale are expected to be during the hours the restaurant is open: 11:00 a.m. to 10:00 p.m. Monday through Thursday, 11:00 a.m. to 11:00 p.m. on Fridays, 9:00 a.m. to 11:00 p.m. on Saturdays, and 9:00 a.m. to 10:00 p.m. on Sundays.

5. A Type 47 ABC License is to be obtained. The applicant must abide by ABC regulations and license restrictions.

Finding 4

- Potential impacts that could be generated by the proposed use, such as noise, smoke, dust, fumes, vibration, odors, traffic, and hazards have been recognized and mitigated.

Facts in Support of Finding 4

1. The on-site sale and consumption of alcohol will not create any new impacts that would not be normally associated with the operation of a restaurant.

2. The proposed hours of operation and alcohol sales are limited to 11:00 a.m. to 10:00 p.m. Monday through Thursday, 11:00 a.m. to 11:00 p.m. on Fridays, 9:00 a.m. to 11:00 p.m. on Saturdays, and 9:00 a.m. to 10:00 p.m. on Sundays. The applicant must comply with ESMC §§ 7-2-1, et seq. regarding noise and vibration.

3. The proposed hours of operation and alcohol sales and the location of the restaurant are within a commercial district and are separated from adjacent residential uses by a 20-foot wide alley wide alley which will help minimize impacts on surrounding uses.

4. In addition to complying with the requirements of the City of El Segundo and the State of California Department of Alcoholic Beverage Control the restaurant is subject to County Health Department regulations that address and monitor impacts of fumes and odors.
Finding 5

- The State Department of Alcoholic Beverage Control has issued or will issue a license to sell alcohol to the applicant.

Facts in Support of Finding 5

1. The applicant must obtain a license from the State of California Department of Alcoholic Beverage Control for on-site sale and consumption of alcohol for restaurants (Type 47).

DIRECTOR OF PLANNING AND BUILDING SAFETY DEPARTMENT ACTION

Based on these findings and facts in support of these findings, the Director of Planning and Building Safety Department APPROVES the proposed project, subject to the following conditions:

1. The hours of operation to sell alcohol for on-site sale and consumption are limited to 11:00 a.m. to 10:00 p.m. Monday through Thursday, 11:00 a.m. to 11:00 p.m. on Fridays, 9:00 a.m. to 11:00 p.m. on Saturdays, and 9:00 a.m. to 10:00 p.m. on Sundays. Any change to the hours of operation or the hours that alcohol may be served is subject to review and approval by the Director of Planning and Building Safety.

2. The seating within the restaurant must be limited to 48 indoor dining seats and 16 outdoor dining seats. The restaurant will contain a combined total of 64 seats.

3. Any subsequent modification to the floor plan and areas where alcohol will be served and consumed must be referred to the Director of Planning and Building Safety for approval and a determination regarding the need for Planning Commission review of the proposed modification.

4. The applicant must obtain and maintain all licenses required by the Alcoholic Beverage Control Act (Business & Professions Code §§ 23000 et seq.). The applicant must obtain and maintain a Type 47 license.

5. The restaurant operations must comply with ESMC §§ 7-2-1, et seq. regulating noise and vibration.

6. The Planning and Building Safety Department and the Police Department must be notified of any change of ownership of the approved use in writing within 10 days of the completion of the change of ownership. A change in project ownership may be cause to schedule a hearing before the Planning Commission regarding the status of the administrative use permit.
7. The applicant must comply with all regulations of the Alcoholic Beverage Control Act and the regulations promulgated by the Alcoholic Beverage Control Board including, without limitation, the regulations set forth in 4 Cal. Code of Regs. §§ 55, et seq.

8. There must be no exterior advertising of any kind or type, including advertising directed to the exterior from within, promoting or indicating the availability of specific alcoholic beverage products. Interior displays of alcoholic beverages which are clearly visible to the exterior constitute a violation of this condition.

9. All employees serving alcoholic beverages to patrons must enroll in and complete a certified training program approved by the State Department of Alcoholic Beverages Control (ABC) for the responsible sales of alcohol. The training must be offered to new employees on not less than a quarterly basis.

10. Any and all employees hired to sell alcoholic beverages must provide evidence that they have either:

   a. Completed training from the State of California Department of Alcoholic Beverage Control (ABC), Lakewood District Office administered Leadership and Education in Alcohol and Drugs (LEAD) Program in the form of an ABC-issued certificate; or,

   b. Completed an accepted equivalent by the ABC, Lakewood District Office to ensure proper distribution of beer, wine and distilled spirits to adults of legal age. If any prospective employee designated to sell alcoholic beverages does not currently have such training, then;

   c. The ABC-licensed proprietors must have confirmed with the Planning and Building Safety Department within fifteen (15) days of the Director's decision, or by final project approval, that a date certain has been scheduled within the local ABC Office to complete the LEAD course.

   d. Within thirty (30) days of taking said course, the employees, or responsible employer must deliver each required certificate showing completion to the Police Department.

11. The licensee must have readily identifiable personnel to monitor and control the behavior of customers inside the building premises. Staff must monitor activity outside in the parking lot and any adjacent property under the establishment's control to ensure the areas are generally free of people.

12. If complaints are received regarding excessive noise, parking availability, lighting, building access, and the like associated with the sale of beer, wine, and distilled spirits for on-site consumption, the city may, in its discretion, take action to review
the Administrative Use Permit, including without limitation, adding conditions or revoking the permit.

13. The building and any outdoor seating must comply with California Building and Fire Code requirements, as adopted by the ESMC.

14. The Applicant and the Property Owners agree to indemnify and hold the City harmless from and against any claim, action, damages, costs (including, without limitation, attorney’s fees), injuries, or liability, arising from the City’s approval of Environmental Assessment No. EA-1160 or Administrative Use Permit No. AUP 16-08. Should the City be named in any suit, or should any claim be brought against it by suit or otherwise, whether the same be groundless or not, arising out of the City approval of EA-1160 or AUP 16-08, the Applicant and the Property Owners agree to defend the City (at the City’s request and with counsel satisfactory to the City) and will indemnify the City for any judgment rendered against it or any sums paid out in settlement or otherwise. For purposes of this section “the City” includes the City of El Segundo’s elected officials, appointed officials, officers, and employees.

By signing this document, the applicant, William Graw, and the property owners, Sylvie Gabriele and Ali Reza Mosavi Nejad, certify that they read, understood, and agree to the Project Conditions listed in this document.

William Graw, Applicant

Sylvie Gabriele, Property Owner

Ali Reza Mosavi Nejad, Property Owner
PLANNING COMMISSION

This determination is scheduled to be received and filed by the Planning Commission at its October 27, 2016 meeting. Please be advised that this does not conclude the review process. The City Council will determine whether or not to protest the approval of the alcohol permit at its meeting at as of yet undetermined date. [SPI]

Should you have any questions, please contact Raneika Brooks, Assistant Planner, at (310) 524-2343.

Sincerely,

Sam Lee, Director
Department of Planning and Building Safety
AGENDA DESCRIPTION:
Consideration and possible action to adopt a Resolution approving the Plans and Specifications for Police Department Men’s Locker Room Improvements, Project No. PW 15-10. (Fiscal Impact: estimated $70,000.00)

RECOMMENDED COUNCIL ACTION:
1. Adopt the attached Resolution approving the Plans and Specification for the Police Department Men’s Locker Room Improvements, Project No. PW 15-10.
2. Alternatively, discuss and take other possible action related to this item.

ATTACHED SUPPORTING DOCUMENTS:
Resolution

FISCAL IMPACT: Additional Funds Required

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ORIGINATED BY: Orlando Rodriguez, Senior Civil Engineer

REVIEWED BY: Ken Berkman, Interim Public Works Director

APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:
The Men’s Locker Room in the Police Department (Locker Room) has not been upgraded since it was constructed in the 1950s. Given the frequency of plumbing issues, the lack of a properly functioning ventilation system, and the poor condition of the wall, floors, and shower tiles, staff recommends resolving all these issues in one project. This approach will allow staff to take advantage of the wall openings to analyze and replace plumbing components deemed to be in poor condition.

Staff recommends that the Locker Room be upgraded as follows, per the Plans and Specifications:

- Remove and replace tile, sinks, floor traps, bathroom stall partitions, shower stall doors, and piping as necessary
- Install a new countertop with undermount sinks
- Install new fixtures in the sinks and shower stalls to meet the allowable flow rate criteria in the building code
- Install ventilation in the shower stalls
Furthermore, ADA modifications will be made to ensure the Locker Room is in compliance with the latest requirements. The modifications include adjusting the height of one existing urinal and installing the countertop, paper towel and soap dispensers at the required ADA heights.

Staff recommends that City Council adopt the plans and specifications and the attached resolution, and authorize advertising the project for construction bids. The schedule for the project is estimated as follows:

Bid Opening – January 3, 2017
Award by City Council – January 17, 2017
Construction Start – February, 2017
Construction End – March, 2017
RESOLUTION NO. __

A RESOLUTION APPROVING THE DESIGN AND PLANS FOR THE POLICE DEPARTMENT MEN’S LOCKER ROOM IMPROVEMENTS PROJECT. PURSUANT TO GOVERNMENT CODE SECTION 830.6 AND ESTABLISHING A PROJECT PAYMENT ACCOUNT.

The City Council of the City of El Segundo does resolve as follows:

SECTION 1: The City Council finds and declares as follows:

A. The City Engineer prepared specifications and plans for PW 15-10, the Police Department Men’s Locker Room Improvements (the “Project”). These plans are complete. Bidding for construction of the Project may begin;

B. The City Council wishes to obtain the immunities set forth in Government Code § 830.6 with regard to the plans and construction of the Project.

SECTION 2: Design Immunity; Authorization.

A. The design and plans for the Project are determined to be consistent with the City’s standards and are approved.

B. The design approval set forth in this Resolution occurred before actual work on the Project construction commenced.

C. The approval granted by this Resolution conforms with the City’s General Plan.

D. The City Engineer, or designee, is authorized to act on the City’s behalf in approving any alterations or modifications of the design and plans approved by this Resolution.

E. The approval and authorization granted by this Resolution is intended to avail the City of the immunities set forth in Government Code § 830.6.

SECTION 3: Project Payment Account. For purposes of the Contract Documents administering the Project, the City Council directs the City Manager, or designee, to establish a fund containing sufficient monies from the current fiscal year budget to pay for the Project (“Project Payment Account”) following receipt of construction bids. The Project Payment Account will be the sole source of funds available for the Contract Sum, as defined in the Contract Document administering the Project.

SECTION 4: The City Clerk is directed to certify the adoption of this Resolution.

SECTION 5: This Resolution will become effective immediately upon adoption.
PASSED AND ADOPTED this 6th day of December, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM:
Mark D. Hensley, City Attorney

By: 
David H. King, Assistant City Attorney
AGENDA DESCRIPTON:

Consideration and possible action to 1) Waive second reading and adopt an ordinance establishing requirements for compliance with Assembly Bill 1826. (Fiscal Impact: N/A)

RECOMMENDED COUNCIL ACTION:

1. Waive second reading and adopt Ordinance No. 1541 for compliance with Assembly Bill 1826 regarding mandatory recycling of organic waste; or,
2. Alternatively, discuss and take other possible actions related to this item.

ATTACHED SUPPORTING DOCUMENTS:

Ordinance No. 1541

FISCAL IMPACT: N/A

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ORIGINATED BY: Cheryl Ebert, Senior Civil Engineer

REVIEWED BY: Ken Berkman, Interim Public Works Director

APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:

On November 1, 2016, the City Council introduced an Ordinance and adopted a Mandatory Organics Recycling Policy to establish requirements for compliance with Assembly Bill 1826 regarding mandatory recycling of organic waste. The ordinance and associated policy will provide staff the guidance and enforcement support necessary to achieve full implementation of organics recycling in the coming years. If adopted, Ordinance No. 1541 will become effective in 30 days.

Pursuant to California Assembly Bill 1826, cities and counties are required to implement a mandatory organics recycling program targeting businesses and multi-family dwellings. This law phases in the mandatory recycling of commercial organics over several years, with full implementation realized in 2020.
ORDINANCE NO. 1541

AN ORDINANCE AMENDING TITLE 5 OF THE EL SEGUNDO MUNICIPAL CODE TO IMPLEMENT AN ORGANIC WASTE RECYCLING PROGRAM

The City Council of the city of El Segundo does ordain as follows:

SECTION 1: The Council finds and declares as follows:

A. According to California’s Department of Resources Recycling and Recovery (also known as “CalRecycle”), 41% of what is being thrown away in California’s landfills is organic waste (i.e., food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste). When organics are landfilled they decompose without oxygen to create methane, a contributor to climate change;

B. On September 28, 2014, Governor Brown signed Assembly Bill 1826, Mandatory Commercial Organics Recycling, which requires the City to implement a mandatory commercial organics recycling program;

C. The law phases-in the mandatory recycling of commercial organics over several years, with an increase in the number of businesses required to comply each year, with full implementation in 2020;

D. Under AB 1826, the City is required to (1) implement a mandatory commercial organic waste recycling policy ordinance, and (2) annually report to CalRecycle the number of regulated businesses that generate organic waste and the number that are recycling organic waste (Pub. Res. Code §§ 41821, 42649.82);

E. The City Council desires to do its part to help reduce the amount of organic materials sent to landfills; accordingly, the City Council desires to implement the City’s mandatory commercial organics recycling program by adopting this ordinance and by approving a Mandatory Commercial Organics Recycling Policy.

SECTION 2: Section 5-2-1 of the El Segundo Municipal Code (ESMC) is amended to add the following definitions in alphabetical order:
“Business” means a commercial or public entity, including, but not limited to, a firm, partnership, proprietorship, joint stock company, corporation, or association that is organized as a for-profit or nonprofit entity.

“Multifamily residential dwellings” means dwellings of five units or more, including without limitation, condominiums, apartments, and townhomes. The term does not include dwellings of four or fewer units.

“Organic waste” means food waste, green waste, landscape and pruning waste, nonhazardous wood waste, and food-soiled paper waste that is mixed in with food waste.

SECTION 3: Title 5, Chapter 2 of the ESMC is amended to add a new section as follows:


A. Mandatory Recycling Services.

1. On and after April 1, 2016, a business or a multifamily residential dwelling that generates eight cubic yards or more of organic waste per week must arrange for recycling services specifically for organic waste in the manner specified in subsection B.

2. On and after January 1, 2017, a business or a multifamily residential dwelling that generates four cubic yards or more of organic waste per week must arrange for recycling services specifically for organic waste in the manner specified in subsection B.

3. On and after January 1, 2019, a business or a multifamily residential dwelling that generates four cubic yards or more of commercial solid waste, as defined in Public Resources Code section 42649.1, per week, must arrange for recycling services specifically for organic waste in the manner specified in subsection B.

4. On or after January 1, 2020, if the Department of Resources Recycling and Recovery determines that statewide disposal of organic waste has not been reduced to 50 percent of the level of disposal during 2014, a business that generates two cubic yards or more per week of commercial solid waste must arrange for the organic waste recycling services specified in paragraph (3), unless the department determines that this requirement will not result in significant additional reductions of organics disposal.

B. A business or a multifamily residential dwelling subject to subsection A must take at least one of the following actions:
1. Source separate organic waste from other waste and subscribe to a basic level of organic waste recycling service that includes collection and recycling of organic waste.

2. Recycle its organic waste onsite or self-haul its own organic waste for recycling.

3. Subscribe to an organic waste recycling service that may include mixed waste processing that specifically recycles organic waste.

4. Sell or donate its recyclable organic waste to a person or entity authorized by law to receive such waste.

C. Notwithstanding the foregoing, a multifamily residential dwelling is not required to arrange for the organic waste recycling services specified in subdivision B for food waste that is generated by the dwelling.

D. Property management companies that contract for trash service for any commercial, institutional, or multi-family properties subject to this chapter are required to contract or otherwise make available recycling services to comply with this section.

E. Any business or multi-family residential dwelling subject to this chapter must:

1. Report to the City of El Segundo on an annual basis the action the business or dwelling has taken pursuant to subsection (b); the amount of commercial solid waste and organic waste that the business or dwelling generates per week; any other information required by the City to comply with its state-mandated reporting requirements.

2. Comply with the City’s Mandatory Commercial Organics Recycling Policy, adopted by the City Council and which may be amended by the City Manager.

F. Exemptions.

1. Any business or multi-family dwelling subject to this chapter may apply for an exemption from the requirements of this chapter. The City Manager or designee may grant either a temporary or permanent exemption for any of the following reasons:

a. Lack of sufficient space in multifamily complexes or businesses to provide additional organic material recycling bins.

b. The current implementation by a business of actions that result in the recycling of a significant portion of its organic waste.

c. The business or group of businesses does not generate at least one-half of
a cubic yard of organic waste per week.
d. Extraordinary and unforeseen events, in which case a temporary exemption only may be granted.

2. The City Manager's or designee's decision may be appealed to the City Council within 10 days of the decision. The City Council's decision will be final.

G. Any violation of this Chapter is punishable as an infraction pursuant to Section 1-2-3 of this Code. The City may enforce this Chapter by administrative citation or any other remedy available to the City under law and it is within the discretion of the City to seek cumulative remedies.

H. The City Council may establish fees for its costs of enforcing this Chapter by resolution.”

SECTION 4: Environmental Review. This ordinance is exempt from environmental review under the California Environmental Quality Act (California Public Resources Code §§ 21000, et seq., "CEQA") and CEQA regulations (14 California Code of Regulations §§ 15000, et seq.) because it is an action being taken for enhanced protection of the environment and is exempt from further review under CEQA Guidelines § 15308.

SECTION 5: Severability. If any part of this Ordinance or its application is deemed invalid by a court of competent jurisdiction, the City Council intends that such invalidity will not affect the effectiveness of the remaining provisions or applications and, to this end, the provisions of this Ordinance are severable.

SECTION 6: Construction. This Ordinance must be broadly construed in order to achieve the purposes stated in this Ordinance. It is the City Council's intent that the provisions of this Ordinance be interpreted or implemented by the City and others in a manner that facilitates the purposes set forth in this Ordinance.

SECTION 7: Enforceability. Repeal of any provision of the El Segundo Municipal Code does not affect any penalty, forfeiture, or liability incurred before, or preclude prosecution and imposition of penalties for any violation occurring before, this Ordinance's effective date. Any such repealed part will remain in full force and effect for sustaining action or prosecuting violations occurring before the effective date of this Ordinance.

SECTION 8: The City Clerk is directed to certify the passage and adoption of this Ordinance; cause it to be entered into the City of El Segundo's book of original ordinances; make a note of the passage and adoption in the records of this meeting; and, within fifteen (15) days after the passage and adoption of this Ordinance, cause it to be published or posted in accordance with California law.

SECTION 9: This Ordinance will become effective on the thirty-first (31st) day following its passage and adoption.
PASSED AND ADOPTED this ___ day of ____________, 2016.

Suzanne Fuentes, Mayor

APPROVED AS TO FORM:

Mark D. Hensley, City Attorney

ATTEST:

STATE OF CALIFORNIA  )  
COUNTY OF LOS ANGELES     )  SS  
CITY OF EL SEGUNDO  )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do hereby certify that the whole number of members of the City Council of said City is five; that the foregoing Ordinance No. _________ was duly introduced by said City Council at a regular meeting held on the ___ day of ____________ 2016, and was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the ___ day of ____________, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:

Tracy Weaver, City Clerk
AGENDA DESCRIPTION:
Consideration and possible action to 1) award a standard Public Works Contract to Elecnor Belco Electric, Inc. for Fiber Optic Network Expansion, Project No. PW 16-33; 2) amend an existing Public Works Professional Services Agreement with AKM Consulting Engineers for construction inspection services. (Fiscal Impact: $524,885.00).

RECOMMENDED COUNCIL ACTION:
1. Authorize the City Manager to execute a standard Public Works Contract, in a form approved by the City Attorney, with Elecnor Belco Electric, Inc. in the amount of $410,738.00 for Fiber Optic Network Expansion, Project No. PW 16-33; and authorize an additional $82,147.00 for construction related contingencies,
2. Authorize the City Manager to amend an existing Public Works Professional Services Agreement with AKM Consulting Engineers to add $32,000.00 for a total contract amount of $50,914.00 for construction inspection and geotechnical (compaction) testing.
3. Alternatively, discuss and take other possible action related to this item.

ATTACHED SUPPORTING DOCUMENTS:
1. Map of Project Area

FISCAL IMPACT: $524,885
Amount Budgeted: $582,921 ($232,921 from FY 2015/16, $350,000 from FY 2016/17)
Additional Appropriation: No
Account Number(s): 301-400-8201-8497 (I-Net Fiber Optic Connections)

ORIGINATED BY: Brian Evanski, Captain
REVIEWED BY: Mitch Tavera, Chief of Police
APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:
As part of the City’s ongoing fiber optic cable connection project, on August 16, 2016, City Council directed Staff to re-bid the Public Works project to connect facilities on each side of Sepulveda Boulevard and authorized Staff to advertise for construction bids (PW 16-33). This phase of the project includes installing a new section of conduit across Sepulveda Blvd. and the installation of new fiber optic cable through both the new and existing conduit pathways. The existing pathways were installed during Public Works Project PW 11-13.

Additionally, this phase will extend the City owned fiber optic network into a data center on the eastern side of the City.
There are numerous positive benefits the City must consider when justifying whether or not to proceed with the Sepulveda Blvd. construction and subsequent connection to the Equinix Data Center. The following list highlights these added benefits:

- **Ability to increase total internet bandwidth and increase City internet speeds exponentially:**
  - Current speeds using cable internet are 100mb download / 10mb upload
  - Future speeds will be 1gb download / 1gb upload with the same recurring costs
  - Download and upload capabilities are limitless

- **Connection into the Data Center is required to provide increased bandwidth necessary to effectively operate current video camera systems and future License Plate Reader and surveillance camera capabilities.**

- **Added reliability and less “downtime” as we will control the ISP system; we will not rely upon Time Warner Cable.**

- **Increased reliability for our facilities, specifically Fire Station 2, as we will have direct fiber connectivity which will replace the current microwave system. We will maintain the Microwave link as a back-up connection.**

- **Ability to build a fully redundant computer network system and utilize offsite and/or CLOUD options.**

- **Offers an additional backup solution as Data Centers are connected to other Data Centers throughout the country thus allowing us to automatically back up our data to a secondary Data Center located in another state.**

- **Provides greater options for various and/or changing ISP providers as many of the ISP companies are housed within the data center. If necessary, we can switch from one vendor to another without issues (e.g. transfer from AT&T to Verizon, etc.).**

- **Lays the ground work for future Dark Fiber and the ability to provide ISP services to the Smokey Hollow area, and other City companies and residents. Companies and residents who lease ISP services from the City will benefit from an advantageous price while providing an added revenue source that can be used to recover IS expenses.**

- **Provides the ability to establish unlimited private and public WiFi stations throughout the City which can also be a potential revenue recovery source.**

- **Due to our current contract and relationship with the Equinix Data Center, we have access to our own dedicated entrance and connection into the facility which is separate from other vendors/clients and therefore much more secure.**
• Option to potentially relocate all City servers and rack equipment to the Data center thus eliminating the possibility of on-site failures due to failed air conditioner units, fires, power outages or surges, etc.

On November 15, 2016, the City Clerk received four (4) bids for PW 16-33 as follow:

1. HP Communications, Inc. $525,679.00
2. Tetra Tech $367,802.00
3. Eleonor Belco Electric, Inc. $339,146.00
4. Vantage Utility Services $384,161.74 (corrected amount)

The third apparent low bidder, Vantage Utility Services, made a clerical error on one of their bid items when multiplying the unit cost by the quantity, making the final actual bid amount off by a few hundred dollars from the written amount. The error did not change their position in the bidding order.

The lowest responsible bidder was Eleonor Belco Electric, Inc. Staff checked references and the contractor’s license status. Eleonor Belco Electric, Inc. has satisfactory completed similar projects for other public agencies.

The Bid Documents also include alternative bid items for additional equipment works, testing and resurfacing that might be necessary. Thus, Staff recommends the contract be awarded to the lowest responsible bidder as follows:

| Total Base Bid      | $339,146.00 |
| Alt Bid Items       | $71,592.00  |
| Total Contract      | $410,738.00 |

Furthermore, the Fiber Optic Network project was discussed with the Technology Committee on November 14, 2016 and November 30, 2016. Following detailed discussions, the Technology Committee voiced no concerns or objections with moving forward with the project.

Due to the nature of this project, contracted inspection services are necessary. The City has an existing contract with AKM Consulting Engineers in the amount of $18,914 for these services. This existing contract has insufficient funds needed to complete the Fiber Optic Expansion work scope, and therefore, Staff requests that an additional $32,000 be added to the contract.

Staff has utilized AKM Consulting Engineers for inspection and geotechnical services on several similar projects and finds them to be exceptional in their daily oversight and documentation during construction projects. Staff has also verified that AKM’s rates are typical of the market for this type of inspection work.

Based on the aforementioned, Staff recommends the City Council authorize the City Manager to execute a standard Public Works Contract, in a form approved by the City Attorney, with
Elecnor Belco Electric, Inc. in the amount of $410,738, and approve an additional $82,147 for construction-related contingencies.

Staff also recommends the City Council authorize the City Manager to amend an existing Professional Services Agreement with AKM Consulting Engineers to increase the total contract amount to $50,914 for additional construction inspection and geotechnical (compaction) testing.
AGENDA DESCRIPTION:

Consideration and possible action to authorize the City Manager to hire an Information Systems Specialist from a current existing eligibility list (Fiscal Impact: $128,000).

RECOMMENDED COUNCIL ACTION:

(1) Authorize the City Manager to hire an Information Systems Specialist to work directly with the Police Department on current and future technologies including the regionalized fixed camera system.

(2) Alternatively, discuss and take other action related to this item.

ATTACHED SUPPORTING DOCUMENTS:

1) Workload & Justification Document

FISCAL IMPACT: Included in Adopted Budget

Amount Budgeted: $95,667 – FY 16/17
Additional Appropriation: No
Account Number(s):

ORIGINATED BY: Brian Evanski, Captain
REVIEWED BY: Mitch Tavera, Chief of Police
APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:

Staff is requesting City Council approval to recruit and hire an Information Systems Specialist to increase the IS Department’s overall staffing. There is an active and current eligibility list for this classification. This added staff member will help to address current needs and shortfalls within the Police Department. Additionally, an increase in IS staffing will bring the IS Department closer to the staffing compliment as recommended by NexLevel.

In September 2015, NexLevel, an IS consulting firm, completed an “Information Systems Strategic Plan” for the City. This plan documented the findings regarding the current IS policies and practices, and provided recommendations for the City including a roadmap specific to technology projects and resource allocation.

Based on a study conducted by NexLevel, information technology support resources should range between 1.9% and 3.4% of the number of full-time employees (FTEs). At the time of NexLevel’s report, the City’s budgeted number of FTEs was 259, therefore the recommended average number of IS support staff should be between five (5) and nine (9) employees. The IS Department is currently staffed by five (5) members.
The IS Division is budgeted and authorized to employ the following positions:

- IS Manager (Vacant)
- IS Specialist (Vacant – On-Hold due to grievance)
- IS Specialist (Scott Kim currently working in the capacity of Acting Manager)
- IS Specialist (Chris Lee)
- IS Developer (Vacant – Final processing phase of new hire)
- IS Network Assistant (Nahideh Sarrafieh)
- Technical Services Manager - Police (David Gray)
- GIS Analyst - (Mike McDaniel) (This position is only for GIS support)

Due to the continued growth in the number of City employees, and the addition of multiple software applications and equipment systems, an increase in IS personnel is recommended.

The Police Department employs over 120 full time, part time, and volunteer employees and is maintaining several secured server systems and an independent network. Additionally, a plethora of software systems and technologies are deployed and/or utilized specifically by the Police Department. Each of these systems and software require information systems expertise and knowledge above and beyond “Level 1 - HelpDesk” capabilities.

Moreover, due to the amount of technical equipment and applications, the police department’s dedicated IS staff (Technical Services Manager David Gray) is unable to sustain necessary updates, replacements, and day-to-day operational repairs for all the equipment and systems utilized.

The time needed to complete the core responsibilities, duties and tasks totals approximately 348 monthly hours. Based on the annual working hour average of 2080 hours, Police IS technical support needs exceed two (2) full time positions.

Additionally, complex technology projects including the replacement of the computer aided dispatch and records management systems (CAD/RMS), and the replacement of the emergency radio communications equipment will be forthcoming in the upcoming year(s), thus increasing the demands on IS staff.

Finally, with the continued advancement of technology focused on crime fighting efforts, it is evident that more and more systems will be deployed in the future. As an example, during the recent strategic planning budgetary process, the City Council approved $125,000 to fund a regional, multi-location camera system capable of reading vehicle license plates.

During the same strategic planning and budgeting sessions, City Council discussed the idea of hiring an IS Specialist to support the Police Department to accommodate the current and future IS support demands. As such, the City Council earmarked and “parked” necessary monies to fund the Specialist position if the City decided to move forward.

Staff is therefore requesting City Council to release the earmarked funds and authorize the City Manager to hire an IS Specialist to develop, plan, install and maintain information systems, networks, and applications, and provide day-to-day operational and technical support to the
Police Department. This additional IS position will work directly with the Technical Services Manager and report to the Police Administrative Captain.
WORKLOAD & JUSTIFICATION

Position summary: The Information Systems Specialist works under general supervision, develops, plans, installs, and maintains all City information systems, networks, and applications, and provides day-to-day operational and technical support. IS Specialists may supervise Service Desk personnel.

Duties and essential functions: Plans for, installs, and maintains all applications, systems, and networks, while effectively managing associated security and disaster recovery requirements; conducts periodic preventive maintenance and diagnostic testing on all software and hardware systems.

Analyzes, designs, develops, tests, deploys, and supports custom application software to meet organizational needs following industry best practices.

Communicates with site staff on all changes and updates.

Utilizes project management methods to ensure projects are planned appropriately and completed within established guidelines.

Coordinates and conducts staff training on City applications and communications systems.

May supervise Service Desk staff, ensuring a high level of customer service and end user support; Provides back-up support for the Service Desk and resolve escalated incidents; Provides emergency support for system outages or City disasters at any time as required.

Recruits, hires, schedules, assigns, monitors and evaluates staff; provides for and/or conducts staff development; establishes work methods and standards; initiates corrective and/or disciplinary action and responds to grievances and complaints according to established personnel policies and procedures and relevant MOU's.

The police department’s dedicated IS staff is unable to maintain necessary updates, replacements, and day-to-day operational repairs for all the equipment and systems utilized.

These equipment and application systems include but are not limited to:

1. Network Security / Management
2. Video Network Analysis and Configuration
3. VMware System Servers
4. Video Monitoring Stations
5. Blue Check Portable ID System
6. Symantec Backup Exec
7. PIPS Cars with Wireless Connection
8. Body worn Camera Repairs / Setup
9. Server / Desktop Updates
10. EOC Ready Standby
11. Scanning Workstation - Records
12. Day to Day helpdesk Tasks
13. West Covina RMS Administration
14. Parole LEADS system
15. ONSSI Software Administration
16. Moto-Stat (Suburban Satellite Software)
17. Intoximeters (Hardware / software)
18. Decator (programming Trailer signs)
19. Tiburon CAD/RMS Systems
20. CCHRIS system
21. L3 In-Car-Video Systems
22. Video Storage Servers
23. GST Crime Mapping
24. Patrol MDC’s
25. Cell Modems in Police Cars
26. Netmotion Wireless
27. CDCE PIPS Video Upload
28. Wireless Network Security
29. Cisco Access Points and Controllers
30. Cisco Firewall and Security
31. Cisco Router / Switch Config
32. ALPR Server Systems
33. Apple TV’s
34. Copware – Legal Source
35. California Automated Reported Systems (CARS)
36. CrimeView statistical reporting
37. Coplink database
38. Paging Systems
39. Crossroads Software (Traffic Collision)
40. CLETS Administrator
41. DNA Offender Tracking Systems (DOTS)
42. Data Works Plus (Sketching tool)
43. ESCARS (Child Abuse Reporting)
44. Form Docs – Report creation
45. Evidence File-On-Q system

Current Monthly Time and Task Breakdown:

**Network Hardware Maintenance:** 37 Devices -- Firmware upgrades, log monitoring, topology changes and intrusion detection analysis for routers, switches, firewalls, wireless, etc.
- 1.5 hours are dedicated to this task each month per device. There are currently 37 devices, therefore 55.5 hours are dedicated to Network Hardware Maintenance each month.

**Server Maintenance:** 30 Servers -- Performance Monitoring, Check server log files, Examine folder permissions, Storage Analysis, Driver Updates, Security Patches, OS Service Pack Updates, Ensuring proper backups, etc.
- 2.5 hours are dedicated to maintaining each server each month. With 30 servers, therefore 75 hours per month are used to perform this task.

**Desktop Maintenance:** 75 police desktops -- Antivirus Scans / Updates, OS Security Pack updates, Application installation and upgrades, Driver updates, log file monitoring, etc.
- 1.5 hours per month are dedicated to maintaining each of the 75 desktop computers totaling 112.5 hours per month.

**Application Maintenance:** Numerous PD specific Applications -- User security, Version upgrades, configuration changes, customizations, reporting, etc.
- Generally 25 hours each month is necessary for this task, however, some changes may require significant more time depending on project scope or number of users affected.

**Police Camera Network(s):** Multiple Camera Systems including Station & Jail surveillance, Body worn, and In-Car camera system -- Firmware updates for Cameras, Motion adjustments based on climate conditions, repairs, configuration changes, video storage analysis, Training documentation, Creation of DVD's for Court and Discovery, adjustments for video recorders, etc.
- Generally 20 hours per month is dedicated to maintaining the Police camera systems, however, there are several cameras that are not currently working that will require significant more time and attention to fix and/or replace.
**ADFS Deployment:** (Active Directory Federation Services) Inter agency environment for the purpose of gaining access to JRIC (Joint Regional Intelligence Center's) Palantir database system in addition to multiple systems at the California Department of Justice.

- Currently 60 hours per month in needed for this implementation and configuration process. Once systems are online and functioning, dedicated hours for ongoing maintenance will be necessary.

**Platform Migrations:** Numerous servers, desktops and databases are currently running on non-supported operating systems or application versions. These are creating security risks as Microsoft no longer provides support or security patches to keep these products current. For example, Windows XP machines must be upgraded to Windows 7/10, Server 2003 needs to be upgraded to Server 2012/2016, and 2003 SQL Databases need to be upgraded to SQL 2012/2016.

- Currently, there are no available work hours during the month to perform these migrations. It is estimated that between 520 - 1039 hours are needed to complete these migration projects.

The time needed for the above identified responsibilities and tasks total 348 monthly hours. This does not include any time dedicated to the Platform Migration projects. Based on the annual working hour average of 2080 hours, Police IS technical support needs are equivalent to 2 full time employees. Additional dedicated resources are required to complete the platform migration projects.
AGENDA DESCRIPTION:
Consideration and possible action to authorize the City Manager to enter into a Professional Services Agreement in a form approved by the City Attorney with Vision Technology Solutions, LLC, DBA Vision Internet Providers to design and replace the City’s website. (Fiscal Impact: $250,000).

RECOMMENDED COUNCIL ACTION:
(1) Authorize the City Manager to enter in an agreement in a form approved by the City Attorney with Vision Technology Solutions to design and replace the City’s website in an amount not to exceed $250,000.
(2) Alternatively, discuss and take other action related to this item.

ATTACHED SUPPORTING DOCUMENTS:
1) None

FISCAL IMPACT: Included in Adopted Budget

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<tr>
<th>Amount Budgeted:</th>
<th>$150,000 Capital Improvement Project Account</th>
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<tr>
<td>Additional Appropriation:</td>
<td>No – Request to reallocate $100,000 from Non-Department Account Number(s): 301-400-8208-8713 (Capital Improvements – Website Project)</td>
</tr>
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</table>

ORIGINATED BY: Brian Evanski, Captain
REVIEWED BY: Mitch Tavera, Chief of Police
APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:
The City website (www.elsegundo.org) is an important method of sharing information and engaging the community. It is a heavily utilized resource that should provide accessible information and services to the community 24 hours a day, 7 days a week. It is often the first stop for those considering visiting, shopping, starting a business, or moving to El Segundo. Increasingly, individuals are coming to expect a wide variety of services online, making it crucial to continually evaluate and align this resource to meet citizen expectations. Since the City’s last website redesign (Copyright © 2000), information technology in local government has continued to develop at a rapid pace with innovative features and online services emerging to better serve residents. The current City website is out of date, cumbersome to use, technologically deficient, and lacks the capabilities commonly seen on other local government sites.

City Council included $150,000 for a website redesign as a Capital Improvement Project during the 2015/2016 fiscal year to address the need to improve the website’s functionality and modernize its design.
On August 17, 2016, Staff released a Request for Proposal for the design and replacement of the City’s website and seven (7) vendors submitted responses. Each vendor presented their product and capabilities to an Evaluation Team. The Website Evaluation Team consisted of member representatives from every City Department. Following these proposal reviews and presentations, two (2) vendors were invited to a “question-answer” session with the Evaluation Team. Based on all the information, the Evaluation Team unanimously selected Vision Technology Solutions to provide the website design services.

The primary reasons for selecting Vision Technologies included:

- Vast amount of experience with local governments (over 700) including Manhattan Beach, La Mirada, Newport Beach, Simi Valley, West Hollywood, Palm Springs, Santa Clara, Santa Clarita, and Torrance.
- All positive references.
- High level of security for their hosted server site.
- Vendor location – El Segundo.
- High level of training commitment.
- High level of support commitment.
- Research approach included community involvement.
- Enhanced capability for mobile application design ( Sole vendor).
- Project team was very responsive to all meetings and requests.

On Tuesday, November 15, 2016, a sub-committee of the City’s Technology Committee interviewed representatives from Vision Technology Solutions to clarify the technical aspects of Vision Technology Solution’s website product and approach.

Additionally, the Technology Committee met on November 30, 2016, and following a lengthy discussion, the Committee had no concerns or objections regarding the City website project.

Therefore, Staff recommends contracting with Vision Technology Solutions to complete the design and replacement of our City website in an amount not to exceed $250,000.

During the recent strategic planning sessions, City Council identified and “parked” an additional $256,100 to be utilized for technology projects including the redesign of the City’s website. Staff is requesting Council to reallocate $100,000 of these funds from the Non-Departmental Technology “Parking Lot” to the website project. This additional funding will be necessary to maintain the website on a vendor hosted server for five (5) years, create interfaces to vital software applications, and maintain accessibility guidelines (WCAG 2.0 AA) set by the World Wide Web Consortium (W3C).

The anticipated timeline to complete the website redesign is approximately 27 to 30 weeks, following the execution of the agreement.
AGENDA DESCRIPTION:
Consideration and possible action regarding 1) Adoption of a Resolution establishing a new monthly health contribution for unrepresented hourly employees considered full-time under the Affordable Care Act. Fiscal Impact: $8,160.00 annual cost savings.

RECOMMENDED COUNCIL ACTION:
1. Adopt the reduced monthly health contribution for unrepresented hourly employees.
2. Alternatively, discuss and take other action related to this item.

ATTACHED SUPPORTING DOCUMENTS:
1. Resolution establishing a reduced monthly health contribution for unrepresented hourly employees as defined by the Affordable Care Act.

FISCAL IMPACT:
- Amount Budgeted: $26,880
- Additional Appropriation: N/A
- Account Number(s): Salary and Benefit departmental budgets for employees electing coverage

ORIGINATED BY: Mayra Houston, Human Resources Manager
REVIEWED BY: Martha A. Dijkstra, Director of Human Resources
APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:
Effective January 1, 2015, the Affordable Care Act (ACA) required employers with 100 or more employees to offer affordable, minimum essential health insurance coverage to employees who meet the definition of a “full-time” employee. Under the Act, a full-time employee is someone who works an average of thirty (30) hours a week during the designated measurement period (October – October). Under the Act, employers may be subject to penalties for 1) not offering minimum essential coverage to at least 70% of eligible employees and/or 2) not offering affordable coverage. The City offers minimum essential coverage and affordable coverage to its permanent full-time employee population, so it is not subject to these penalties for this group of employees. However, every October, Staff is required to conduct an affordability calculation analysis for all hourly unrepresented employees qualifying for coverage under the ACA.

At its February 17, 2015 meeting, Council approved a monthly medical contribution of $280 to satisfy the affordability requirement for all eligible unrepresented hourly employees at that time. In October 2015, staff conducted the annual affordability analysis which resulted in “no change” to the monthly contribution. Staff’s recently completed affordability analysis indicates the City has the option to reduce its monthly medical contribution amount from $280 to $195 and still remain compliant with the ACA. The $195 is based on two eligible employees in this group who must be
offered a monthly contribution that is slightly above $194 to make their coverage affordable. Under the Public Employees and Medical Hospital Care Act (PEMHCA), the City must provide the same contribution to all employees in the same group so the City does not have the ability to pay premiums for employees based upon an individual affordability calculation. Below is a chart illustrating the City’s affordability calculation.

October 2016 Affordability Calculation

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<thead>
<tr>
<th>Description of Position</th>
<th>Average Weekly Hours</th>
<th>Calculated Rate of Pay (Monthly = Hourly x 130)</th>
<th>Max employee can pay for affordable coverage (9.5%)</th>
<th>Lowest Monthly Plan Cost 2017</th>
<th>City Cost for &quot;affordable&quot; coverage per EE (Lowest plan cost - &quot;affordable&quot; premium for EE)</th>
<th>2016 contribution Cost to City ($280/mo)</th>
<th>Proposed 2017 contribution Cost to City ($195/mo)</th>
<th>Possible Penalty ($270/mo.) for not providing affordable coverage (If employee goes to exchange)</th>
<th>Possible Penalty ($270/mo.) for not providing affordable coverage (If employee goes to exchange)</th>
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**FISCAL IMPACT**

The fiscal impact associated with offering coverage will be fully dependent upon the number of employees who accept health insurance through the City and the City’s designated contribution. Therefore, the fiscal impact information is based upon a maximum exposure calculation, and the actual cost to the City will be dependent upon the number of employees who select the offered coverage. With the reduction in the monthly contributions, based upon eight (8) qualifying employees at $2,340 per year ($195/month), the annual maximum fiscal impact is estimated at $18,720; representing $8,160 potential cost savings. Therefore, staff recommends that Council approve reducing the monthly medical contribution for unrepresented hourly employees from $280 to $195. In order to implement this new contribution amount through CalPERS, Staff recommends approval of the attached Health Resolution for unrepresented hourly employees.
RESOLUTION NO. _________

FIXING THE EMPLOYER CONTRIBUTION AT AN EQUAL AMOUNT FOR EMPLOYEES AND ANNUITANTS UNDER THE PUBLIC EMPLOYEES’ MEDICAL AND HOSPITAL CARE ACT WITH RESPECT TO A RECOGNIZED EMPLOYEE ORGANIZATION

WHEREAS, (1) The City of El Segundo is a contracting agency under Government Code Section 22920 and subject to the Public Employees’ Medical and Hospital Care Act (the “Act”) for participation by members of Unrepresented Hourly Employee Group; and

WHEREAS, (2) Government Code Section 22892(a) provides that a contracting agency subject to Act shall fix the amount of the employer contribution by resolution; and

WHEREAS, (3) Government Code Section 22892(b) provides that the employer contribution shall be an equal amount for both employees and annuitants, but may not be less than the amount prescribed by Section 22892(b) of the Act; and

RESOLVED, (a) That the employer contribution for each employee or annuitant shall be the amount necessary to pay the full cost of his/her enrollment, including the enrollment of family members, in a health benefits plan up to a maximum of $195.00 per month, plus administrative fees and Contingency Reserve Fund assessments; and be it further

RESOLVED, (b) The City of El Segundo has fully complied with any and all applicable provisions of Government Code Section 7507 in electing the benefits set forth above; and be it further

RESOLVED, (c) That the participation of the employees and annuitants of City of El Segundo shall be subject to determination of its status as an “agency or instrumentality of the state or political subdivision of a State” that is eligible to participate in a governmental plan within the meaning of Section 414(d) of the Internal Revenue Code, upon publication of final Regulations pursuant to such Section. If it is determined that City of El Segundo would not qualify as an agency or instrumentality of the state or political subdivision of a State under such final Regulations, CalPERS may be obligated, and reserves the right to terminate the health coverage of all participants of the employer.

RESOLVED, (d) That the executive body appoint and direct, and it does hereby appoint and direct, The City Clerk to file with the Board a verified copy of this resolution, and to perform on behalf of City of El Segundo all functions required of it under the Act.

RESOLVED, (f) That employer contribution change under the Act be effective on February 1, 2017.
Resolution No. ____, Adopted at a regular meeting of the City Council at El Segundo, this 6th day of December, 2016.

Suzanne Fuentes,
Mayor

ATTEST:

Tracey Weaver, City Clerk

APPROVED AS TO FORM:

Mark D. Hensley, City Attorney
CERTIFICATION

STATE OF CALIFORNIA )
COUNTY OF LOS ANGELES ) SS
CITY OF EL SEGUNDO )

I, Tracy Weaver, City Clerk of the City of El Segundo, California, do hereby certify that the whole number of members of the City Council of said City is five; that the foregoing Resolution No. _______ was duly passed and adopted by said City Council, approved and signed by the Mayor, and attested to by the City Clerk, all at a regular meeting of said Council held on the 6th day of December, 2016, and the same was so passed and adopted by the following vote:

AYES:
NOES:
ABSENT:
ABSTAIN:
NOT PARTICIPATING:

WITNESS MY HAND THE OFFICIAL SEAL OF SAID CITY this 6th day of December, 2016.

Tracy Weaver, City Clerk
of the City of El Segundo,
California
(SEAL)

APPROVED AS TO FORM:

By: __________________________
    Mark D. Hensley, City Attorney
AGENDA DESCRIPTION:
Consideration and possible action to adopt Ordinance No. 1544 prohibiting commercial marijuana activity to the extent allowed by state law in the city.

RECOMMENDED COUNCIL ACTION:
1. Waive second reading and adopt Ordinance No. 1544 entitled:

    AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF EL SEGUNDO ADDING CHAPTER 14 TO TITLE 4 AND AMENDING CHAPTER 11 OF TITLE 7 OF THE MUNICIPAL CODE TO EXPRESSLY PROHIBIT ALL COMMERCIAL MARIJUANA ACTIVITY TO THE EXTENT ALLOWED BY STATE LAW

2. Alternatively, discuss and take other action related to this item.

ATTACHED SUPPORTING DOCUMENTS:
    Proposed ordinance.

FISCAL IMPACT: N/A
- Amount Budgeted: N/A
- Additional Appropriation: N/A
- Account Number(s): N/A

ORIGINATED BY: City Attorney’s office

APPROVED BY: Greg Carpenter, City Manager

EXECUTIVE SUMMARY:
On November 16, 2016, the City Council considered three ordinances in light of the statewide initiative adopted by voters entitled the “Control, Regulate and Tax Adult Use of Marijuana Act”: two ordinances (an urgency ordinance and a regular, non-urgency ordinance) expressly prohibited commercial marijuana activity in the city, and a third, urgency ordinance prohibiting permit issuance for marijuana-related land uses within the City for 45-days.

After receiving public comment and directing changes to the language related to outdoor personal cultivation, the City Council adopted the two urgency ordinances (which took effect immediately) and introduced for first reading the regular, non-urgency ordinance. This item is the second reading of the non-urgency ordinance (introduction of an identical non-urgency ordinance at the same meeting at which an urgency ordinance is adopted is a common method used to “back up” the action taken in the urgency ordinance). The City Council may waive second reading and adopt the Ordinance. If adopted, the Ordinance will become effective in 30 days.
BACKGROUND AND DISCUSSION:

On November 8, 2016, the voters approved a statewide initiative entitled the “Control, Regulate and Tax Adult Use of Marijuana Act” (the “AUMA”). The AUMA controls and regulates the cultivation, processing, manufacture, distribution, testing and sale of nonmedical marijuana, including marijuana products, for use by adults 21 years of age or older. The AUMA does not, and cannot, affect federal laws and regulations pertaining to marijuana or its derivatives. The AUMA expressly preserves local control over the regulation of marijuana-related business and marijuana-related land uses.

The following are some of the key provisions in the AUMA:

- It is now lawful under state and local law for persons 21 years of age or older to possess, process, transport, purchase, obtain, or give away to persons 21 years of age or older without any compensation whatsoever up to 28.5 grams of marijuana in the form of concentrated cannabis or not more than eight grams of marijuana in the form of concentrated cannabis contained within marijuana products. (Health & Safety Code § 11362.1, subds. (a)(1) and (a)(2).)

- A person 21 years of age or older may possess, plant, cultivate, harvest, dry, or process not more than six living marijuana plants and possess the marijuana produced by the plants. (Health & Safety Code § 11362.1, subd. (a)(3).) A city or county may adopt and enforce reasonable regulations pertaining this personal cultivation of marijuana, but no city or county may completely prohibit the personal cultivation of marijuana if it is conducted within a private residence or within an accessory structure to a private residence. (Health & Safety Code § 11362.2, subds. (b)(1) and (b)(2).)

- Local jurisdictions may adopt and enforce local ordinances to regulate state-licensed marijuana business, including, but not limited to, local zoning and land use requirements, business license requirements, and requirements related to reducing exposure to secondhand smoke. Local jurisdictions may also completely prohibit the establishment or operation of one or more types of marijuana-related businesses licensed pursuant to the AUMA. (Business & Professions Code § 26200.)

- Local jurisdictions may not prevent transportation of marijuana or marijuana products on public roads by a state licensee transporting marijuana or marijuana products in compliance with state law.

- The AUMA does not permit smoking of marijuana in public places or other places where tobacco smoking is prohibited, and prescribes penalties for violators. (Health & Safety Code §§ 11362.3, subds. (a)(1) and (a)(2); 11362.4, subds. (a) and (b).)

Marijuana uses are known to result in negative direct and secondary impacts on the health, safety and welfare of citizens, particularly when unregulated. These negative impacts include illegal sales and distribution of marijuana, trespassing, theft, violent robberies and robbery attempts, fire hazards and building hazards, and offensive odors. In addition to the negative effects recited above, marijuana cultivation and distribution can attract crime, lead to fires, expose minors to
marijuana, negatively impact neighborhoods, damage buildings, require dangerous electrical alterations and use, and create the nuisance of strong and noxious odors.\textsuperscript{1} In Colorado, where recreational marijuana is legal and commercialized, marijuana-related traffic deaths increased 92% from 2010 to 2014 while all traffic deaths increased only 8 percent during the same time period.\textsuperscript{2} Use of marijuana by Colorado teens ages 12-17 is at least 56% higher than the national average.\textsuperscript{3} A study released in May 2016 by AAA Foundation for Traffic Research found that fatal crashes involving drivers who recently used marijuana doubled in the state of Washington after it legalized marijuana.\textsuperscript{4} Such studies are available for public review in the City Clerk’s office.

Based on these facts and other evidence, there is a concern that the proliferation of marijuana-related businesses and activities in the City would result in increased crime and other negative secondary effects like those experienced in other communities throughout California and around the country. By expressly prohibiting commercial marijuana activities and marijuana cultivation to the maximum extent authorized by State law, the City can further safeguard against the detrimental secondary impacts associated with such activities. A complete prohibition on commercial marijuana activities in the City of El Segundo is necessary to avoid the deleterious secondary effects of such activity as detailed herein.

Moreover, the possession, use, transportation, distribution, sale, and other marijuana-related activities, for medical or recreational purposes, remain illegal under the federal Controlled Substances Act. Marijuana is classified as a Schedule 1 substance; a designation reserved for substances with a high propensity for abuse and addiction, and lacking any recognized medical benefits.

Presently, the Municipal Code prohibits commercial cannabis activities, cultivation of medical cannabis, delivery of medical cannabis, medical marijuana dispensaries, and medical marijuana collectives throughout the city. The proposed ordinance extends the prohibition to all commercial marijuana activities that are now permissible under state law.

The ordinance adds Chapter 14 to Title 4 and amends Chapter 11 of Title 7 to expressly prohibit all commercial marijuana activities (regardless of purpose). With regard to person cultivation, the ordinance allows outdoor cultivation of marijuana in accordance with state law, and allows the cultivation of up to six plants within a private residence. Under the AUMA, cities and counties may not completely prohibit indoor personal cultivation of up to six marijuana plants, but may enact and enforce reasonable regulations pertaining to personal, indoor cultivation.

\textsuperscript{3} Id. at pp. 35-36.
ORDINANCE NO. 1544

AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF EL SEGUNDO ADDING CHAPTER 14 TO TITLE 4 AND AMENDING CHAPTER 11 OF TITLE 7 OF THE MUNICIPAL CODE TO EXPRESSLY PROHIBIT ALL COMMERCIAL MARIJUANA ACTIVITY TO THE EXTENT ALLOWED BY STATE LAW

The City Council of the City of El Segundo does ordain as follows:

SECTION 1: The City Council finds and determines as follows:

A. On November 5, 1996, the voters of the State of California approved Proposition 215, codified as Health and Safety Code Section 11362.5 et seq., and entitled the Compassionate Use Act of 1996 ("CUA"). The CUA exempts qualified patients and their primary caregivers from criminal liability under state law for the possession and cultivation of marijuana for personal medical use.

B. The intent of the CUA was to enable persons in the State of California who are in need of marijuana for medicinal purposes to obtain it and use it under limited, specified circumstances.

C. The State enacted Senate Bill 420 in October 2003, codified a Health and Safety Section 11362.7, et seq., ("Medical Marijuana Program Act," or "MMPA") to clarify the scope of the Compassionate Use Act of 1996 and to allow cities and other governing bodies to adopt and enforce rules and regulations consistent with SB 420. The MMPA created a state-approved voluntary medical marijuana identification card program and provided for certain additional immunities from state marijuana laws. Assembly Bill 2650 (2010) and Assembly Bill 1300 (2011) amended the Medical Marijuana Program to expressly recognize the authority of counties and cities to “[a]dopt local ordinances that regulate the location, operation, or establishment of a medical marijuana cooperative or collective” and to civilly and criminally enforce such ordinances.

D. The CUA and MMPA do not "legalize" marijuana, but provide limited defenses to certain categories of individuals with respect to certain conduct and certain state criminal offenses.

E. In City of Riverside v. Inland Empire Patients Health and Wellness Center, Inc. (2013) 56 Cal.4th 729, the California Supreme Court held that “[n]othing in the CUA or the MMP expressly or impliedly limits the inherent authority of a local jurisdiction, by its own ordinances, to regulate the use of its land. . . .” Additionally, in Maral v. City of Live Oak (2013) 221 Cal.App.4th 975, the Court of Appeal held that “there is no right – and certainly no constitutional right – to cultivate medical marijuana. . . .” The Court in
\textit{Maral} affirmed the ability of a local governmental entity to prohibit the cultivation of marijuana under its land use authority.

F. The Federal Controlled Substances Act, 21 U.S.C. § 801 et seq., classifies marijuana as a Schedule 1 Drug, which is defined as a drug or other substance that has a high potential for abuse, that has no currently accepted medical use in treatment in the United State, and that has not been accepted as safe for use under medical supervision. The Federal Controlled Substances Act makes it unlawful under federal law for any person to cultivate, manufacture, distribute or dispense, or possess with intent to manufacture, distribute or dispense, marijuana. The Federal Controlled Substances Act contains no exemption for medical purposes.

G. On October 9, 2015 Governor Brown signed three bills into law (AB 266, AB 243, and SB 643) which collectively are known as the Medical Marijuana Regulation and Safety Act ("MMRSA"). MMRSA established a State licensing scheme for commercial medical marijuana uses while protecting local control by requiring that all such businesses must have a local license or permit to operate in addition to a State license. MMRSA allows a City to completely prohibit commercial medical marijuana activities.

H. The City Council finds that commercial medical marijuana activities, as well as cultivation for personal medical use as allowed by the CUA and MMP can adversely affect the health, safety, and well-being of City residents. Citywide prohibition is proper and necessary to avoid the risks of criminal activity, degradation of the natural environment, malodorous smells and indoor electrical fire hazards that may result from such activities. Further, as recognized by the Attorney General's August 2008 Guidelines for the Security and Non-Diversion of Marijuana Grown for Medical Use, marijuana cultivation or other concentration of marijuana in any location or premises without adequate security increases the risk that surrounding homes or businesses may be negatively impacted by nuisance activity such as loitering or crime.

I. The limited immunity from specified state marijuana laws provided by the Compassionate Use Act and Medical Marijuana Program does not confer a land use right or the right to create or maintain a public nuisance.

J. MMRSA contained language that required the city to prohibit cultivation uses either expressly or otherwise under the principles of permissive zoning, or the State would become the sole licensing authority. MMRSA also contained language that required delivery services to be expressly prohibited by local ordinance, if the City wished to do so.

K. On March 1, 2016, the City Council adopted Ordinance No. 1518 prohibiting commercial cannabis activities, cultivation of medical cannabis, delivery of medical cannabis, medical marijuana dispensaries, and medical marijuana collectives throughout the City.
L. On November 8, 2016, the voters of the State of California passed Proposition 64, the Control, Regulate and Tax Adult Use of Marijuana Act (AUMA). The AUMA decriminalizes (under California law), controls and regulates the cultivation, processing, manufacture, distribution, testing and sale of nonmedical marijuana, including marijuana products, for use by adults 21 years of age or older. The AUMA also taxes the commercial growth and retail sale of marijuana. It does not, and cannot, affect federal regulations as to marijuana or its derivatives.

M. The AUMA expressly preserves local control over the regulation of marijuana-related businesses and marijuana-related land uses (Business & Professions Code § 26200, et seq.) The City Council wishes to prohibit all commercial marijuana activity to the maximum extent authorized by State law.

N. A complete prohibition on commercial marijuana activities in the City of El Segundo is necessary to avoid the deleterious secondary effects of such activity as detailed herein. In addition to the negative effects recited above, marijuana cultivation and distribution can attract crime, lead to fires, expose minors to marijuana, negatively impact neighborhoods, damage buildings, require dangerous electrical alterations and use, and create the nuisance of strong and noxious odors. (White Paper on Marijuana Dispensaries, California Police Chiefs Association's Task Force on Marijuana Dispensaries, April 22, 2009, p. 12.) In Colorado, where recreational marijuana is legal and commercialized, marijuana-related traffic deaths increased 92% from 2010 to 2014 while all traffic deaths increased only 8 percent during the same time period. (The Legalization of Marijuana in Colorado: The Impact, Rocky Mountain High Intensity Drug Trafficking Area, Vol. 3, September 2015, pp. 14-15.) Use of marijuana by Colorado teens ages 12-17 is at least 56% higher than the national average. (Id. at pp. 35-36.) A study released in May 2016 by AAA Foundation for Traffic Research found that fatal crashes involving drivers who recently used marijuana doubled in the state of Washington after it legalized marijuana. (Prevalence of Marijuana Involvement in Fatal Crashes: Washington, 2010-2014, May 2016, AAA Foundation for Traffic Safety.) Based on these facts and other evidence, there is a concern that the proliferation of marijuana-related businesses and land uses in the City would result in increased crime and other negative secondary effects like those experienced in other communities throughout California and around the country. By expressly prohibiting marijuana-related businesses and marijuana-related land uses to the maximum extent authorized by State law, the City can further safeguard against the detrimental secondary impacts associated with such activities.

SECTION 2: Authority. This ordinance is adopted pursuant to the authority granted by the California Constitution and State law, including but not limited to Article XI, Section 7 of the California Constitution, the Compassionate Use Act, the Medical Marijuana Program Act, the Medical Marijuana Regulation and Safety Act, and the Control, Regulate and Tax Adult Use of Marijuana Act.

SECTION 3: A new Chapter 14 entitled “Marijuana” is added to Title 4 of the El Segundo Municipal Code to read as follows:
"Chapter 14

MARIJUANA

4-14-1 Definitions.
4-14-2 Commercial marijuana activity — Prohibited.
4-14-3 Cultivation of marijuana for personal use.
4-14-4 Severability.
4-14-5 Interpretation.

4-14-1 Definitions.

"Commercial marijuana activity" means the cultivation, possession, manufacture, distribution, processing, storing, laboratory testing, labeling, transportation, distribution, delivery, or sale of marijuana and marijuana products.

"Cultivation" means any activity involving the planting, growing, cultivating, harvesting, drying, curing, grading, trimming or processing of marijuana.

"Delivery" means the commercial transfer of marijuana or marijuana products to a customer. "Delivery" also includes the use by a retailer of any technology platform owned and controlled by the retailer or independently licensed under this division that enables customers to arrange for or facilitate the commercial transfer by a licensed retailer of marijuana or marijuana products.

"Marijuana" means all parts of the plant Cannabis sativa L., whether growing or not; the seeds thereof; the resin extracted from any part of the plant; and every compound, manufacture, salt, derivative, mixture, or preparation of the plant, its seeds or resin. It does not include:

(a) industrial hemp, as defined in Health & Safety Code Section 11018.5; or

(b) the weight of any other ingredient combined with marijuana to prepare topical or oral administrations, food, drink, or other product.

"Marijuana accessories" means any equipment, products or materials of any kind which are used, intended for use, or designed for use in planting, propagating, cultivating, growing, harvesting, manufacturing, compounding, converting, producing, processing, preparing, testing, analyzing, packaging, repackaging, storing, smoking, vaporizing, or containing marijuana, or for ingesting, inhaling, or otherwise introducing marijuana or marijuana products into the human body.
"Marijuana cultivation facility" means an entity licensed to cultivate, prepare, and package marijuana and sell marijuana to retail marijuana stores, to marijuana product manufacturing facilities, and to other marijuana cultivation facilities, but not to consumers.

"Marijuana establishment" means a marijuana cultivation facility, a marijuana testing facility, a marijuana product manufacturing facility, or a retail marijuana store.

"Marijuana product manufacturing facility" means an entity licensed to purchase marijuana; manufacture, prepare, and package marijuana products; and sell marijuana and marijuana products to other marijuana product manufacturing facilities and to retail marijuana stores, but not to consumers.

"Marijuana products" means marijuana that has undergone a process whereby the plant material has been transformed into a concentrate, including, but not limited to, concentrated cannabis, or an edible or topical product containing marijuana or concentrated cannabis and other ingredients.

"Marijuana storage facility" means any entity or premises used for the storage of marijuana, marijuana products or marijuana accessories.

"Marijuana testing facility" means an entity licensed to analyze and certify the safety and potency of marijuana.

"Private residence" means a house, an apartment unit, a mobile home, or other similar habitable dwelling.

"Retail marijuana store" means any entity licensed to purchase marijuana from marijuana cultivation facilities and marijuana and marijuana products from marijuana product manufacturing facilities and to sell marijuana and marijuana products to consumers; or any premises, whether licensed or unlicensed, where marijuana, marijuana products, or devices for the use of marijuana or marijuana products are offered, either individually or in any combination, for retail sale, including an establishment that delivers marijuana and marijuana products as part of a retail sale.

4-14-2 Commercial marijuana activity — Prohibited.

No license can be issued for, nor shall any person operate, a marijuana cultivation facility, marijuana product manufacturing facility, marijuana testing facility, marijuana delivery business, marijuana storage facility, retail marijuana store, marijuana establishment, or any commercial marijuana activity in the City of El Segundo.

4-14-3 Cultivation of marijuana for personal use.
A. Outdoor Cultivation. Cultivation of marijuana outdoors is prohibited, except for the personal cultivation of marijuana conducted in accordance with Health & Safety Code Section 11362.2, subd. (a).

B. Indoor Cultivation. Cultivation of marijuana indoors is prohibited, except for the personal cultivation of not more than six plants at one time within a single private residence pursuant to Health & Safety Code Section 11362.2, subd. (a).

4-14-4 Severability.

The provisions of this chapter are declared to be separate and severable. The invalidity of any clause, sentence, paragraph, subdivision, section, or portion of this chapter, or the invalidity of the application thereof to any person or circumstance shall not affect the validity of the remainder of this chapter, or the validity of its application to other persons or circumstances.

4-14-5 Interpretation.

The intent of this chapter is to prohibit commercial marijuana activities and the personal cultivation of marijuana, whether medical or recreational in nature, to the maximum extent allowed under state law. Nothing in this chapter shall be interpreted as allowing behavior otherwise prohibited by state law and nothing in this chapter shall be interpreted as prohibiting conduct that the city is expressly preempted from prohibiting under state law."

SECTION 4: Chapter 11 of Title 7 of the El Segundo Municipal Code is amended to read as follows:

"Chapter 11

MARIJUANA

7-11-1: For regulations regarding marijuana, commercial marijuana activities, and marijuana cultivation, see Title 7, Chapter 14 and Title 15, Chapter 13B."

SECTION 5: Environmental Review. The City Council finds that this ordinance does not have the potential to cause significant effects on the environment and, therefore, the project is exempt from the California Environmental Quality Act (CEQA) pursuant to 14 Cal. Code Regs. § 15061(b)(3). The ordinance amends the El Segundo Municipal Code to expressly prohibit commercial marijuana activities and outdoor cultivation of marijuana in the City. The ordinance does not portend any development or changes to the physical environment. Further, the City Council finds that this ordinance is
categorically exempt from further CEQA review under 14 Cal. Code Regs. §§ 15305
(minor alterations in land use limitations) and 15308 (actions taken as authorized by
local ordinance to assure protection of the environment). The City is not aware of any
existing marijuana commercial uses in El Segundo and the proposed ordinance would
maintain the status quo. Following an evaluation of possible adverse impacts, it can be
seen with certainty that there is no possibility that the ordinance will have a significant
effect on the environment.

SECTION 6: Construction. This Ordinance must be broadly construed in order to
achieve the purposes stated in this Ordinance. It is the City Council’s intent that the
provisions of this Ordinance be interpreted or implemented by the City and others in a
manner that facilitates the purposes set forth in this Ordinance.

does not affect any penalty, forfeiture, or liability incurred before, or preclude
prosecution and imposition of penalties for any violation occurring before this
Ordinance’s effective date. Any such repealed part will remain in full force and effect for
sustaining action or prosecuting violations occurring before the effective date of this
Ordinance.

SECTION 8: Severability. If any part of this Ordinance or its application is deemed
invalid by a court of competent jurisdiction, the City Council intends that such invalidity
will not affect the effectiveness of the remaining provisions or applications and, to this
end, the provisions of this Ordinance are severable.

SECTION 9: The City Clerk is directed to certify the passage and adoption of this
Ordinance, cause it to be entered into the city of El Segundo’s book of original
ordinances, make a note of the passage and adoption in the records of this meeting,
and, within fifteen days after the passage and adoption of this Ordinance, cause it to be
published or posted in accordance with California law.

PASSED AND ADOPTED this ______ day of __________________, 2016.

___________________________
Suzanne Fuentes, Mayor

ATTEST:

___________________________
Tracy Sherrill Weaver, City Clerk

APPROVED AS TO FORM

Page 7 of 8
Mark D. Hensley, City Attorney
EL SEGUNDO CITY COUNCIL
AGENDA STATEMENT

MEETING DATE: December 6, 2016
AGENDA HEADING: Consent Agenda

AGENDA DESCRIPTION:
Consideration and possible action regarding approval of an amendment to the Robert Half International, Inc. (dba Accountemps) agreement number 4810 for temporary staffing in Finance Department / Accountant. (Fiscal Impact $61,000.00)

RECOMMENDED COUNCIL ACTION:
1. Authorize City Manager to execute an agreement amendment, in a form approved by the City Attorney, with Accountemps, for additional temporary staffing.
2. Alternatively, discuss and take other possible action related to this item.

ATTACHED SUPPORTING DOCUMENTS:
Third Amendment to Agreement No. 4810

FISCAL IMPACT: None

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ORIGINATED BY: Joseph Lillio, Director of Finance
APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:
In February 2015, the City Manager approved a five year on-call agreement for staffing services with Accountemps to provide staffing services for the City in order to address vacancies. It is anticipated an additional amount of $61,000 will be necessary to meet the needs of the Finance Department for the next four to five months, bringing the contract total to an amount not to exceed $155,000. Because this amendment to the agreement exceeds $25,000, City Council approval is required.

At this time, staff is requesting City Council approve a third amendment to the agreement for an additional amount of $61,000.00, in a form approved by the City Attorney, for Accountemps to provide temporary staffing services to the Finance Department. As part of the approved FY 2016-17 Budget, a full-time accountant is included in the budgeted in the amount of $112,588. Since this position is currently vacant and is not anticipated to be filled until spring 2017, salary savings will be used to cover the third amendment. Accountemps has provided customer service consistent with their agreement terms and conditions.
THIRD AMENDMENT TO
AGREEMENT NO. 4810 BETWEEN
THE CITY OF EL SEGUNDO AND
ROBERT HALF INTERNATIONAL INC., DOING BUSINESS THROUGH ITS
DIVISIONS OFFICETEAM AND ACCOUNTEMPS

THIS THIRD AMENDMENT ("Amendment") is made and entered into this 6th day of December 2016, by and between the CITY OF EL SEGUNDO, a general law city and municipal corporation existing under the laws of California ("CITY"), and ROBERT HALF INTERNATIONAL INC., a Delaware Corporation, doing business through its divisions OFFICETEAM and ACCOUNTEMPS ("STAFFING FIRM").

1. Pursuant to Section 31 of Agreement No. 4810 ("Agreement"), Section 1 of the Agreement is amended to read as follows:

"1. CONSIDERATION.

   A. As partial consideration, STAFFING FIRM agrees to perform the work listed in the SCOPE OF SERVICES, below;

   B. As additional consideration, STAFFING FIRM and CITY agree to abide by the terms and conditions contained in this Agreement;

   C. As additional consideration, CITY agrees to pay CONTRACTOR an additional Sixty-One Thousand Dollars ($61,000.00) for CONTRACTOR’s services not to exceed a total of One Hundred-Fifty-Five Thousand Dollars ($155,000.00).” Unless otherwise specified by written amendment to this Agreement, CITY will pay this sum as specified in duly executed Task Order(s), on the basis of the hourly rates and cost reimbursement rates as specified in the Task Order."

2. This Amendment may be executed in any number or counterparts, each of which will be an original, but all of which together constitutes one instrument executed on the same date.

3. Except as modified by this Amendment, all other terms and conditions of Agreement No. 4810 remain the same.

[SIGNATURES ON FOLLOWING PAGE]
IN WITNESS WHEREOF the parties hereto have executed this contract the day and year first hereinabove written.

CITY OF EL SEGUNDO

Greg Carpenter,
City Manager

ACCOUNTEMPS, a division of ROBERT HALF INTERNATIONAL, INC.

Brandi Britton
District President

Taxpayer ID No. 94-1648752

ATTEST:

Tracy Weaver,
City Clerk

APPROVED AS TO FORM:

By:

Mark D. Hensley, City Attorney
EL SEGUNDO CITY COUNCIL

AGENDA STATEMENT

AGENDA DESCRIPTION:
Consideration and possible action regarding Council consensus to cancel the January 3, 2017 City Council Meeting.
(Fiscal Impact: None)

RECOMMENDED COUNCIL ACTION:
1. Approve cancellation of the January 3, 2017 City Council Meeting;
2. Alternatively discuss and take other action related to this item.

ATTACHED SUPPORTING DOCUMENTS: None

FISCAL IMPACT: None

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ORIGINATED BY: Tracy Weaver, City Clerk

REVIEWED BY:

APPROVED BY: Greg Carpenter, City Manager

BACKGROUND AND DISCUSSION:
The first regular 2017 City Council meeting is scheduled for Tuesday, January 3, 2017. Due to the fact that City Hall will be closed for certain established holidays and because of the additional meeting workload and scheduled travel plans, it would be difficult to meet legal noticing requirements and to properly prepare for the meeting.

Traditionally, the first City Council meeting of the new year has been cancelled and therefore staff recommends that Council consider cancelling the January 3, 2017 meeting.