SOFT STORY RETROFIT 47 I I BEVERLY BLVD. LOS ANGELES, CA 90004

GENERAL NOTES:

- I. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION.
 ALL DIMENSIONS TO TAKE PRECEDENCE OVER SCALE SHOWN, SECTIONS AND DETAILS.
- 2. NOTES AND DETAILS ON DRAWING SHALL TAKE PRECEDENCE OVER GENERAL NOTES, AND TYPICAL DETAILS.
- 3. ALL PHASE OF WORK TO CONFIRM TO THE MINIMUM STANDARDS OF THE 2016 EDITION OF THE CALIFORNIA BUILDING CODE, AND "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", AC1318 AND AISC.
- 4. THE STRUCTURAL DRAWING AND SPECIFICATIONS REPRESENT THE FINAL STRUCTURE. UNLESS OTHERWISE INDICATED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION, THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN OR PERSONS DURING CONSTRUCTION. SUCH MEASURES INCLUDE, BUT SHALL NOT BE LIMITED TO BRACING, SHORING SCAFFOLDING, SAFETY PRECAUTIONS, FLAGGING TRENCHES, ETC.
- 6. ALL SUBSTITUTIONS OF MATERIALS SPECIFIED MUST BE APPROVED BY STRUCTURAL ENGINEER.
- 7. APPROVED SEISMIC GAS SHUTOFF VALVES SHALL BE INSTALLED ON EACH GAS METER, SEPARATE PLUMBING PERMIT IS REQUIRED. (NOT PART OF THIS PERMIT)
- 8. PROVIDE DETAILS FOR POSSIBLE PIPE INTRUSION.
- 9. STEEL BEAMS AND COLUMNS SHALL BE PROTECTED AS REQUIRED FOR 1-HOUR PROTECTION.
- 10. FOR SPECIAL INSPECTION REFER TO SHEET SN-1.

STRUCTURAL OBSERVATION PROGRAM:

- I. I. STRUCTURAL OBSERVATION WILL BE PERFORMED IN ACCORDANCE WITH CURRENT LOS ANGELES BUILDING CODE.
- 2. THE OWNER SHALL EMPLOY THE ENGINEER OF RECORD OR ARCHITECT OF RECORD REGISTERED/ LICENSED IN THE STATE OF CALIFORNIA WHO IS RESPONSIBLE FOR THE STRUCTURAL DESIGN TO DO STRUCTURAL OBSERVATION.
- 3. THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL OBSERVATION, THE CONTRACTOR, AND THE APPROPRIATE SUBCONTRACTORS SHALL HOLD A PRE-CONSTRUCTION MEETING TO REVIEW THE DETAILS OF THE STRUCTURAL SYSTEM TO BE OBSERVED.
- 4. THE ENGINEER/ ARCHITECT OF RECORD SHALL PERFORM THE FOLLOWING OBSERVATIONS:

a) FOUNDATION: FOOTINGS, GRADE BEAMS, STEEL PLACEMENT, HOLD-DOWN ANCHORS & ANCHOR BOLTS, STRUCTURAL SLABS.
b) STRUCTURAL STEEL: CONNECTIONS.

c) FLOOR \$ ROOF DIAPHRAGMS: NAILING, SHEAR TRANSFER ELEMENTS.
d) VERTICAL LOAD SUPPORTING ELEMENTS: BOLTS, CONNECTIONS, HARDWARE.

PROJECT DATA:

ADDRESS:

PROJECT SCOPE: SOFT STORY RETROFIT OF A TWO STORY APARTMENT

BUILDING OVER SUBTERRANEAN PARKING GARAGE, USING ONE ORDINARY MOMENT FRAME.THIS PROPOSED WORK IS TO COMPLY WITH THE CITY OF

LA ORDINANCES 183893 AND 184081.

47 I I BEVERLY BLVD. LOS ANGELES, CALIFORNIA

OWNER: ALVORD SUE J TR,

SUE J ALVORD TRUST C/O KURT ALVORD 45 | 5 OCEAN VIEW BLVD. # | 50

LA CANADA, CA 91011

TEL: (818) 714-1425

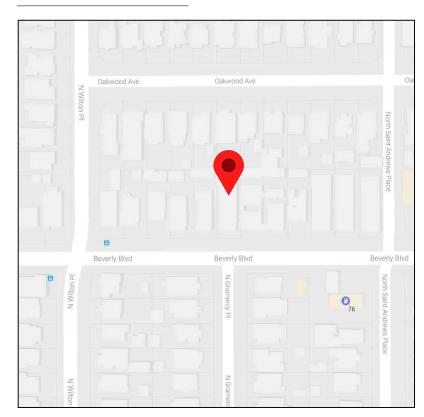
APN #: 5522-033-010

NO. OF STORIES: 3 - INCLUDING BASEMENT NO. OF APARTMENT UNITES: 10

USE OF BUILDING : MULTI-FAMILY RESIDENTIAL

OCCUPANCY : NO CHANGE

VICINITY MAP:



SHEET INDEX:

A-I TITLE SHEET

A-2 SITE/ ROOF PLAN
A-3 EXISTING BASEMENT FLOOR PLAN

A-4 EXISTING FIRST FLOOR PLAN
A-5 EXISTING SECOND FLOOR PLAN

A-G RIGHT AND LEFT ELEVATIONS

A-7 FRONT AND BACK ELEVATIONS S-1 FOUNDATION PLAN

S-2 SECOND FLOOR FRAMING LAN

SD-1 STRUCTURAL DETAIL

SD-2 MOMENT FRAME DETAILS SN-1 STRUCTURAL NOTES

SN-2 STRUCTURAL OBSERVATIONS

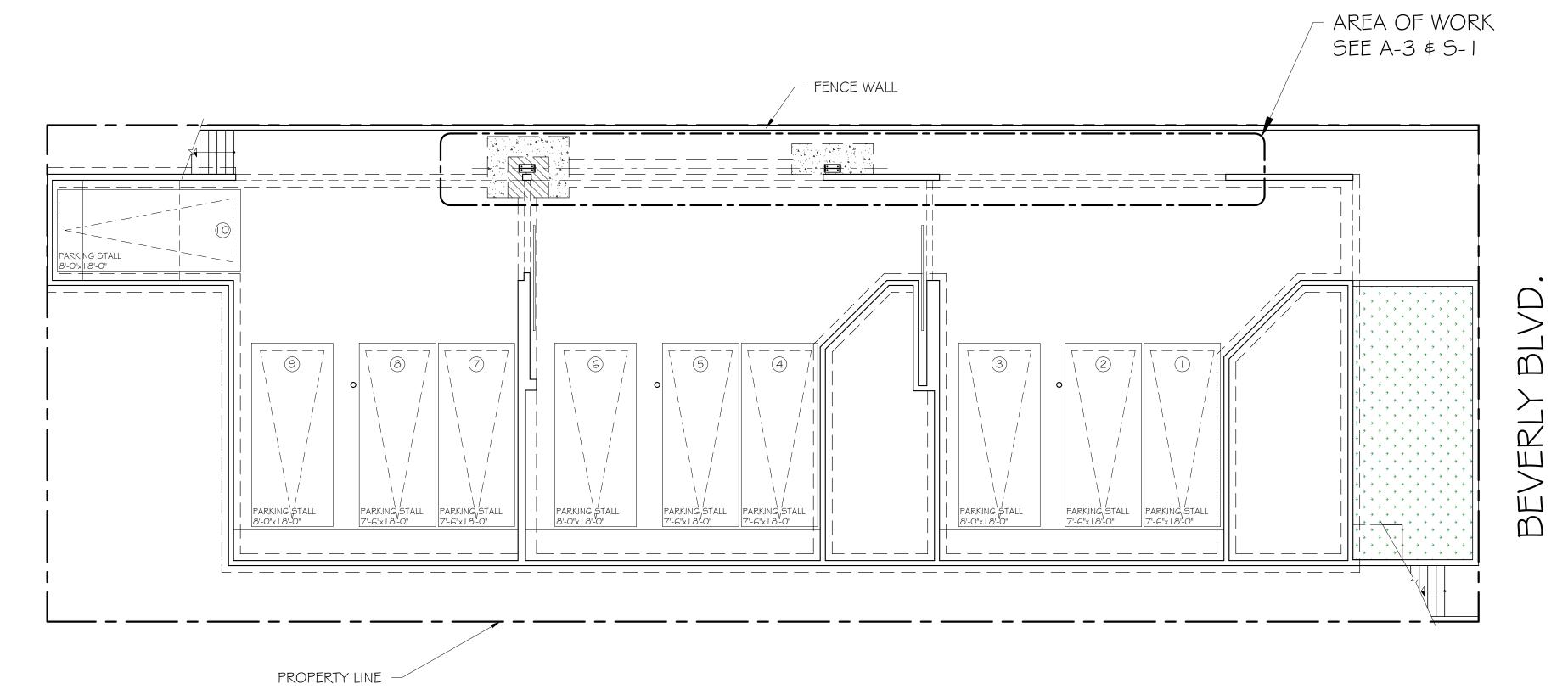
LA CITY STANDARD SHEETS

I AM RESPONSIBLE FOR DESIGNING THIS BUILDING'S SEISMIC STRENGTHENING IN COMPLIANCE WITH THE MINIMUM REGULATIONS OF THE MANDATORY EARTHQUAKE HAZARD REDUCTION. IN EXISTING WOOD-FRAME BUILDINGS WITH SOFT, WEAK, OR OPEN-FRONT WALLS (LAMC DIVISION 93).

THE REGISTERED DEPUTY INSPECTOR, REQUIRED AS A
CONDITION OF USE OF STRUCTURAL DESIGN STRESSES
REQUIRING CONTINUOUS INSPECTION, WILL BE RESPONSIBLE TO
ME AS REQUIRED BY SECTION 1704 OF THE LOS ANGELES
BUILDING CODE.

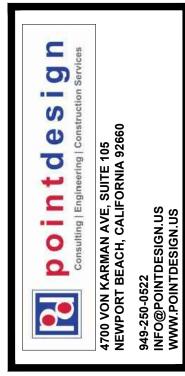
NOTES:

1. THERE ARE TOTAL NO. OF 10 PARKING SPACES, NO
PARKING SPACES HAVE BEEN COMPROMISED OR REMOVED.
REFER TO SHT. A-3 \$ S-1 FOR DIMENSIONS.



 $\frac{\text{PLOT PLAN / SCOPE OF WORK}}{1/8" = 1'-0"}$







RIMENT BUILDING

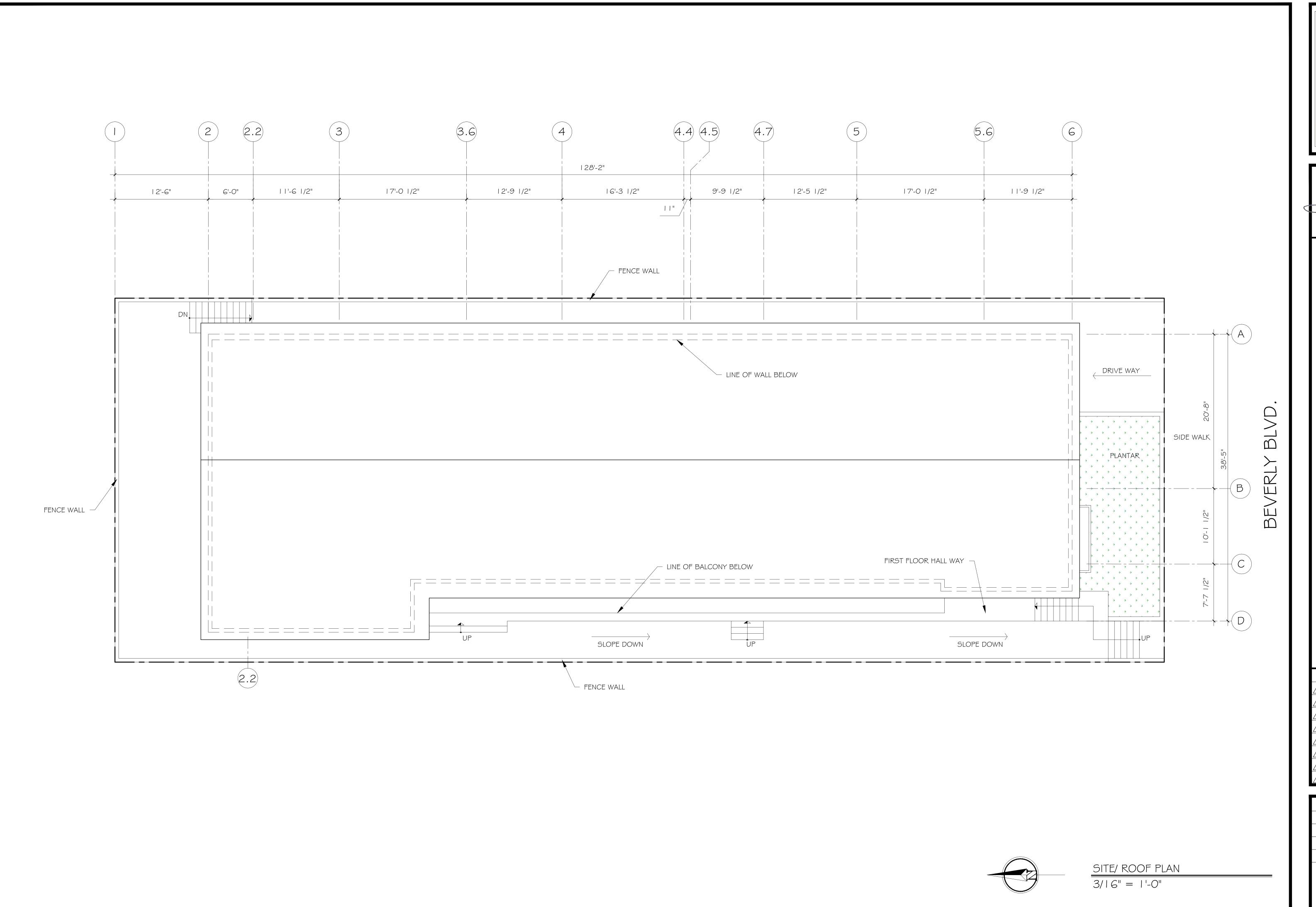
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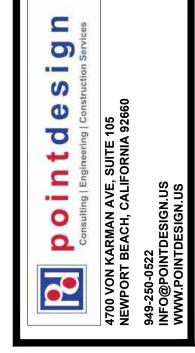
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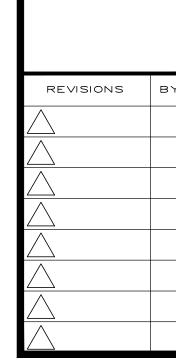
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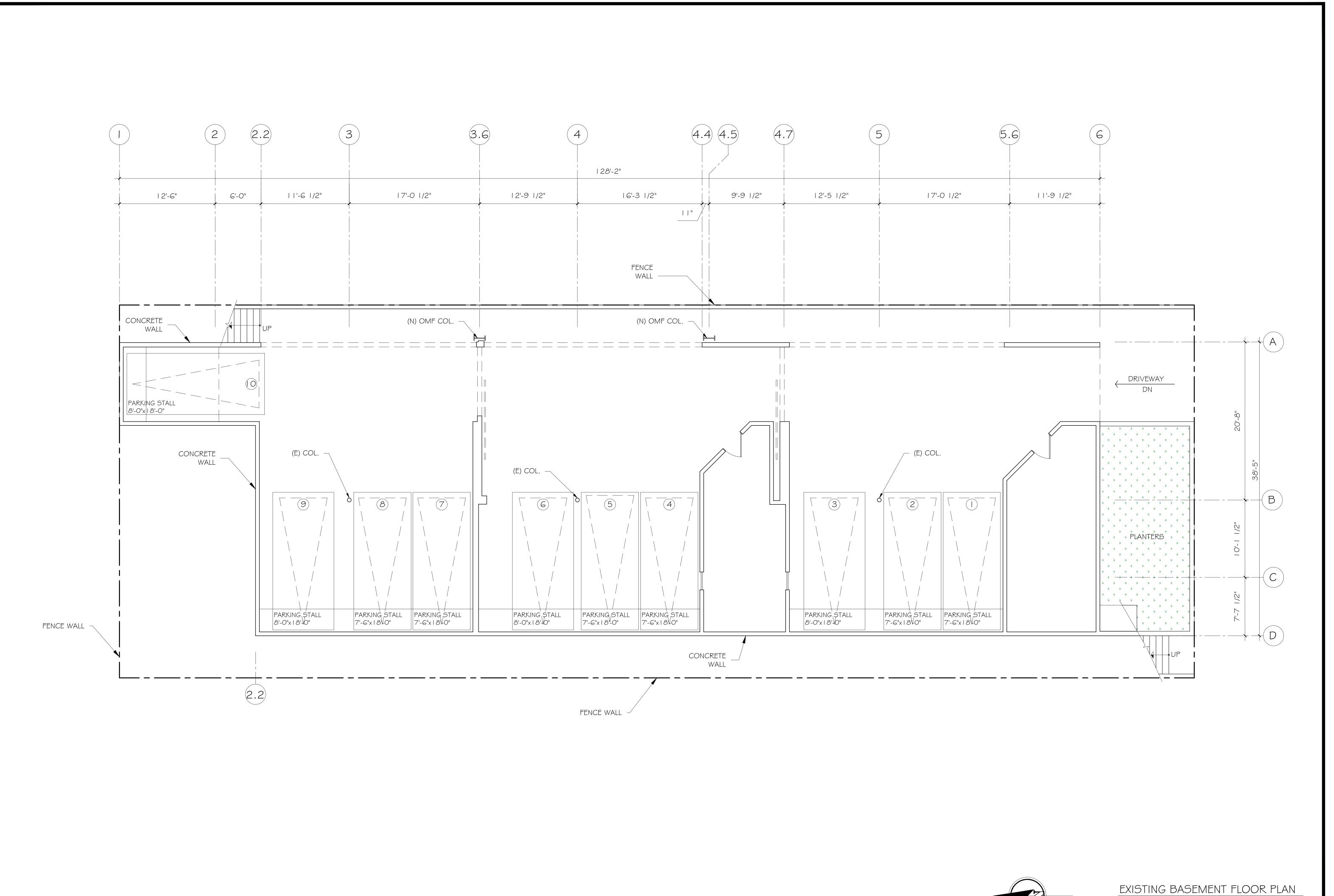


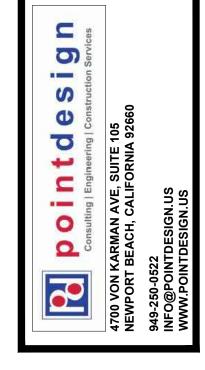
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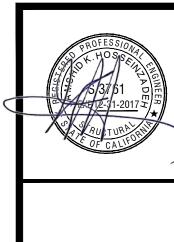
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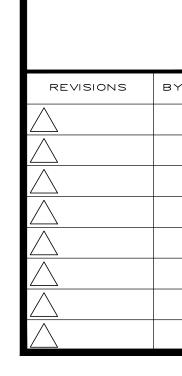
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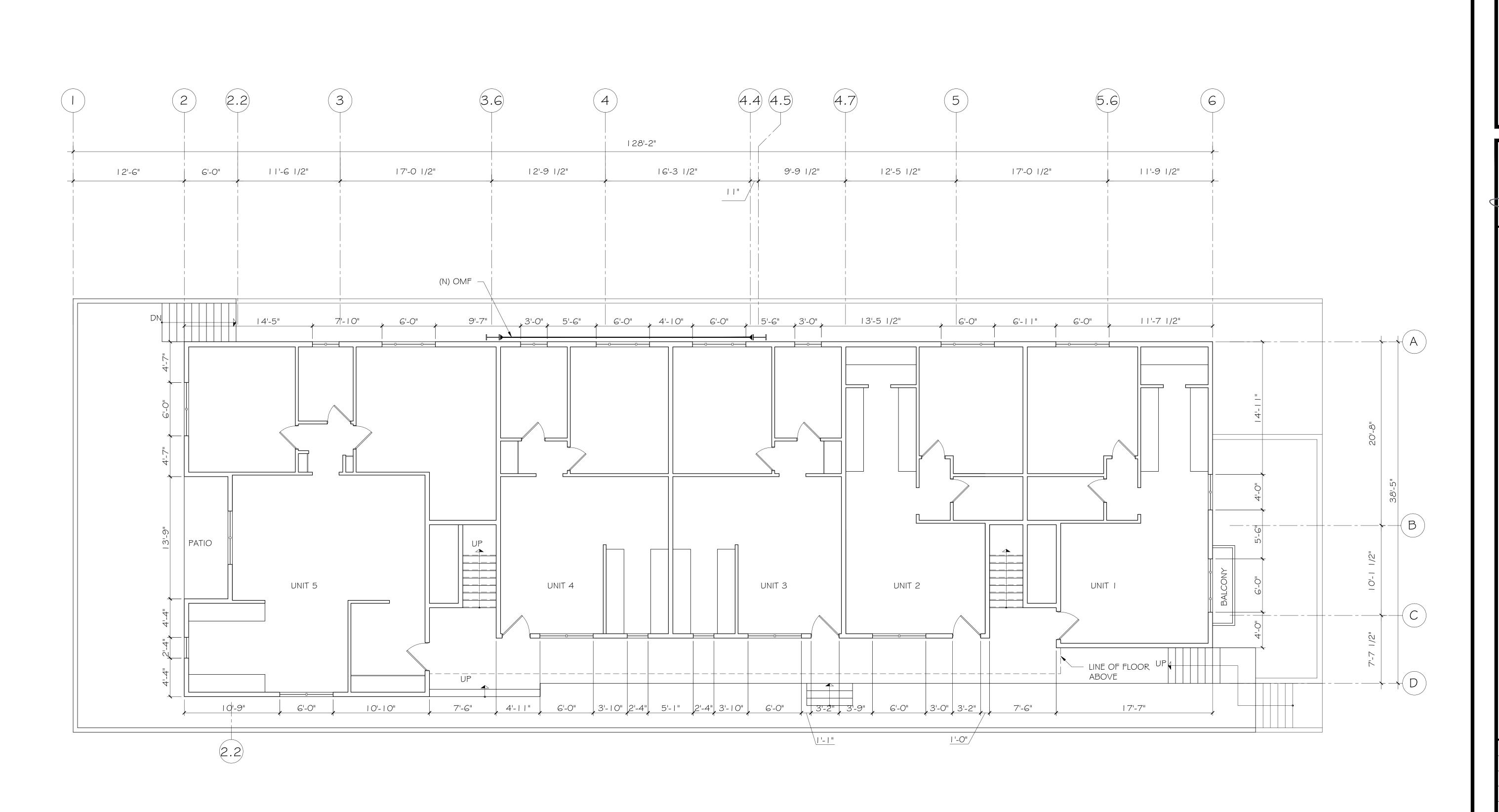
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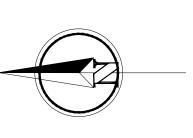
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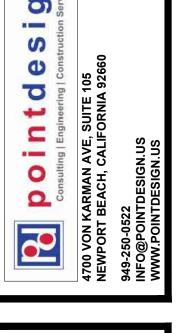
A-3

3/16" = 1'-0"



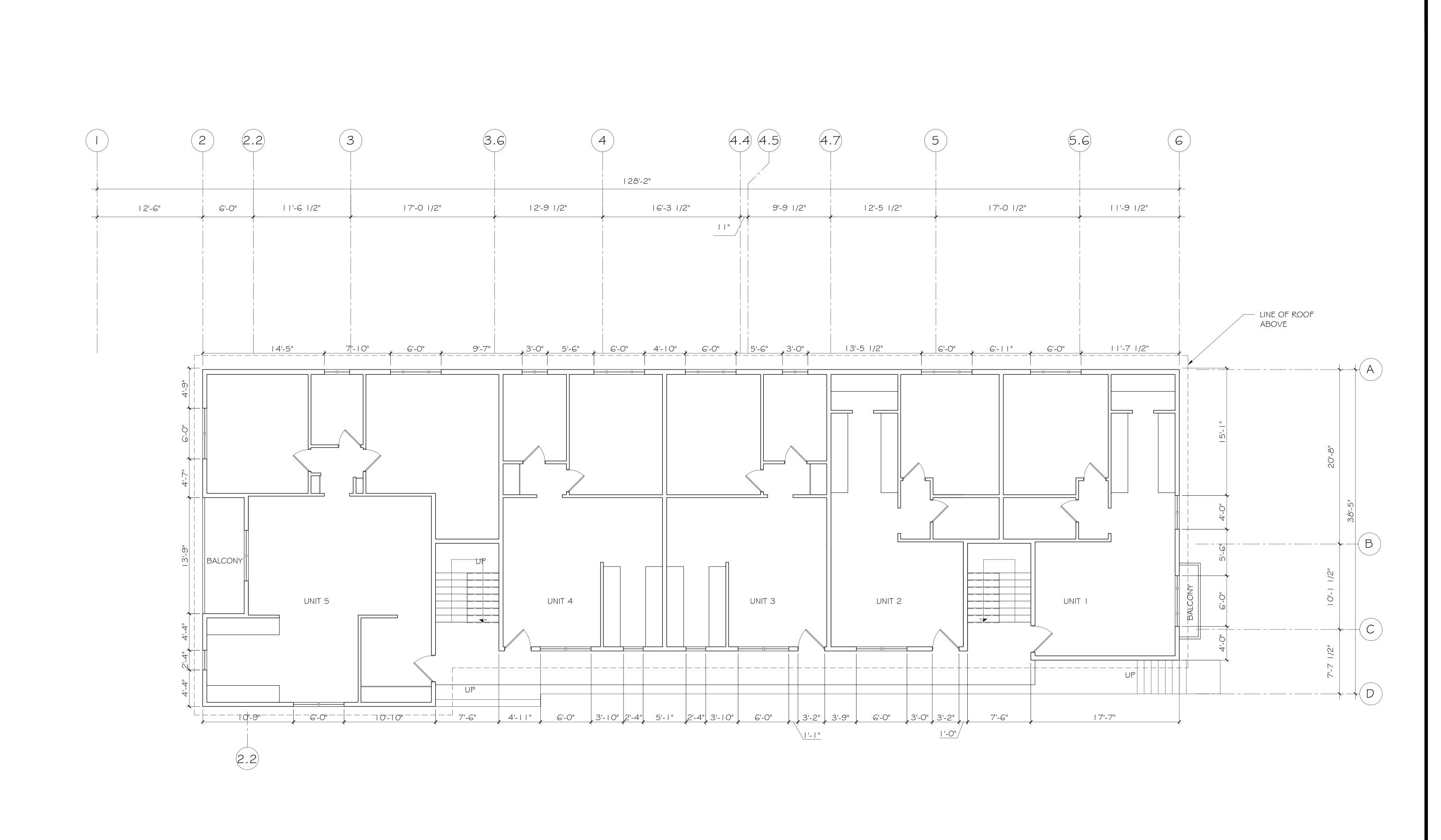


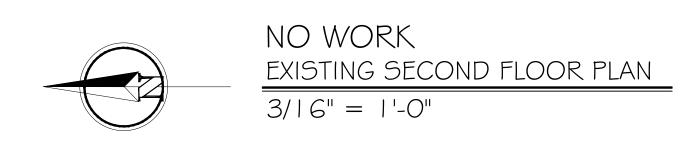
EXISTING FIRST FLOOR PLAN 3/16" = 1'-0"

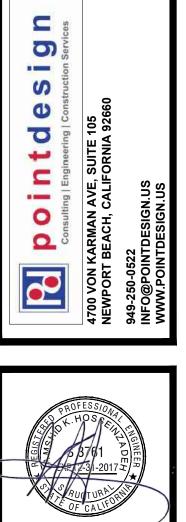


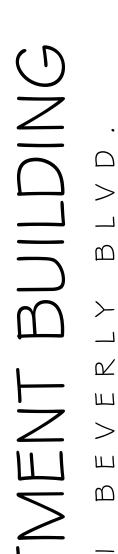
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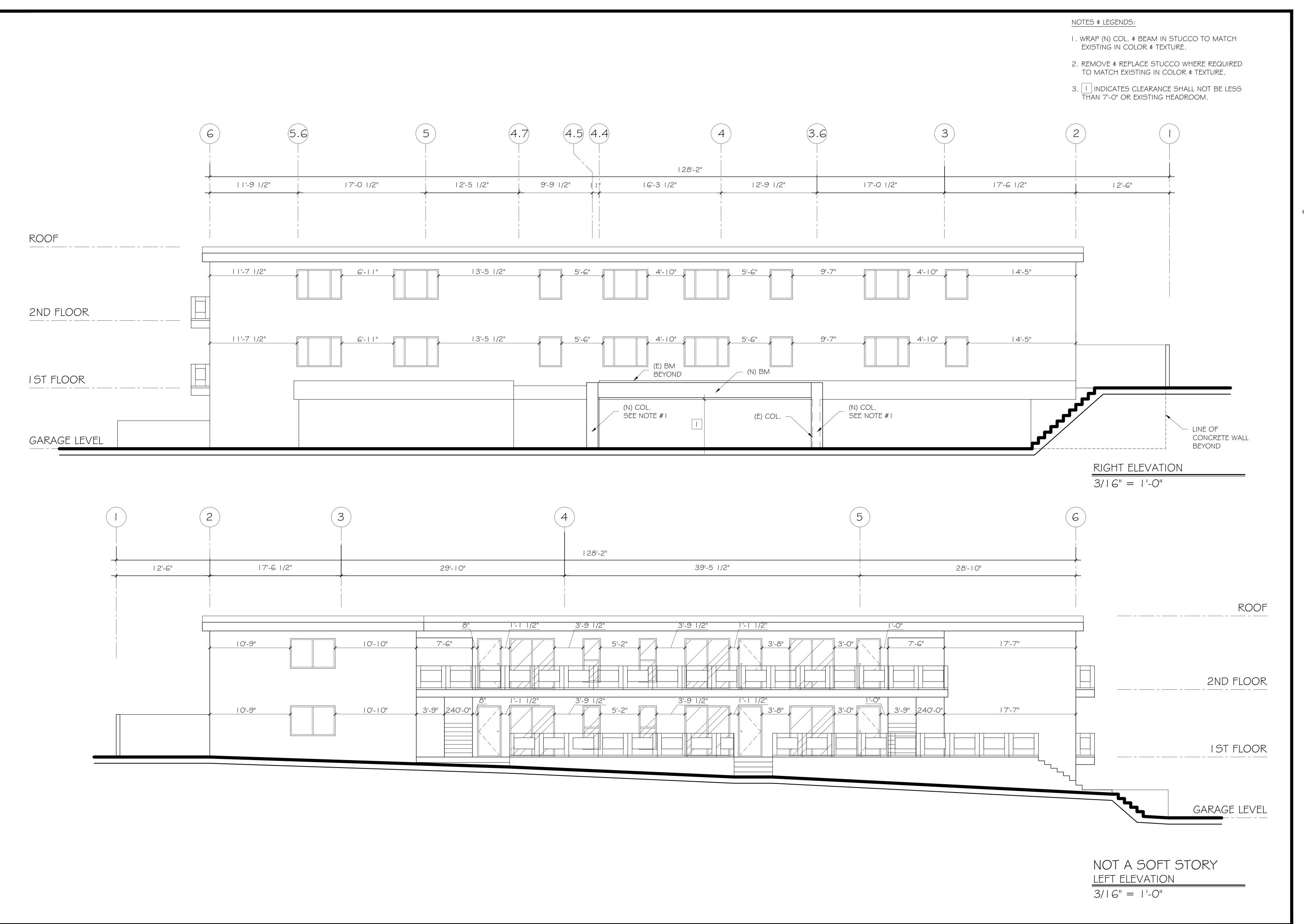




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APARIMENT BUILDIN

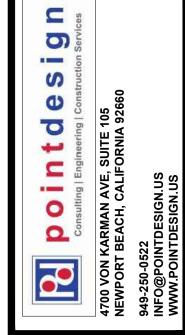
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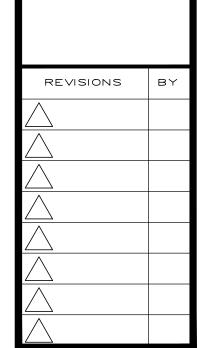
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NOTES & LEGENDS :

- I. CONTRACTOR SHALL PROVIDE SHORING WHERE REQUIRED. SHORING PLAN AND CALCULATION SHALL BE SIGNED AND SEALED BY A CALIFORNIA LICENSED CIVIL OR STRUCTURAL ENGINEER AND SUBMITTED TO POINT DESIGN FOR APPROVAL PRIOR TO REMOVING EXISTING STRUCTURAL MEMBERS.
- 2. CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY THE STRUCTURAL ENGINEER OF ANY DISCREPANCIES.
- 3. EXISTING COL PAD FOOTINGS IS ASSUMED TO BE 4'-0"x4'-0"x14" DEEP. CONTRACTOR SHALL FIELD VERIFY AND NOTIFY THE STRUCTURAL ENGINEER IF DIMENSIONS ARE DIFFERENT.

- 4. INDICATES RIGID CONNECTION.
- 5. FOR SPECIAL INSPECTION OF MOMENT FRAMES REFER TO $\frac{2}{\text{SD-2}}$.
- 6. CONTRACTOR SHALL FIELD VERIFY MOMENT FRAME LENGTH & HEIGHT PRIOR TO ORDERING IT.
- 7. CONTRACTOR SHALL FIELD VERIFY HARDY FRAME LENGTH PRIOR TO ORDERING IT.
- 8. CONTRACTORS RESPONSIBLE FOR CONSTRUCTION OF A SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTION" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO THE

- COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT.
- 9. IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED.
- 10. NO IMPACT TOOLS SHALL BE PERMITTED WHEN REMOVING EXISTING FOOTING. SAW CUTTING THE EXISTING FOOTING ONLY IS ALLOWED.
- II. PRIOR TO DEMOLISHING AND REMOVAL OF STUCCO, CONTRACTOR SHALL OBTAIN TEST RESULTS FOR ASBESTOS AND LEAD FROM A QUALIFIED TESTING LABORATORY AND COMPLY WITH REQUIREMENTS OF STATE AND LOCAL AGENCIES.
- 12. A COPY OF THE LOS ANGELES RESEARCH

- REPORT AND/OR CONDITIONS OF LISTING SHALL BE MADE AVAILABLE AT THE JOB SITE.
- 13. REFER TO SHEET SD-2 FOR MOMENT FRAME (OMF) DETAILS.
- 14. F.V. INDICATES FIELD VERIFY.
- 15. F.O.W. INDICATES FACE OF WALL.





<u>S</u>

PARTMENT BUILDING 4711 BEVERLY BLVD. Los Angeles, California

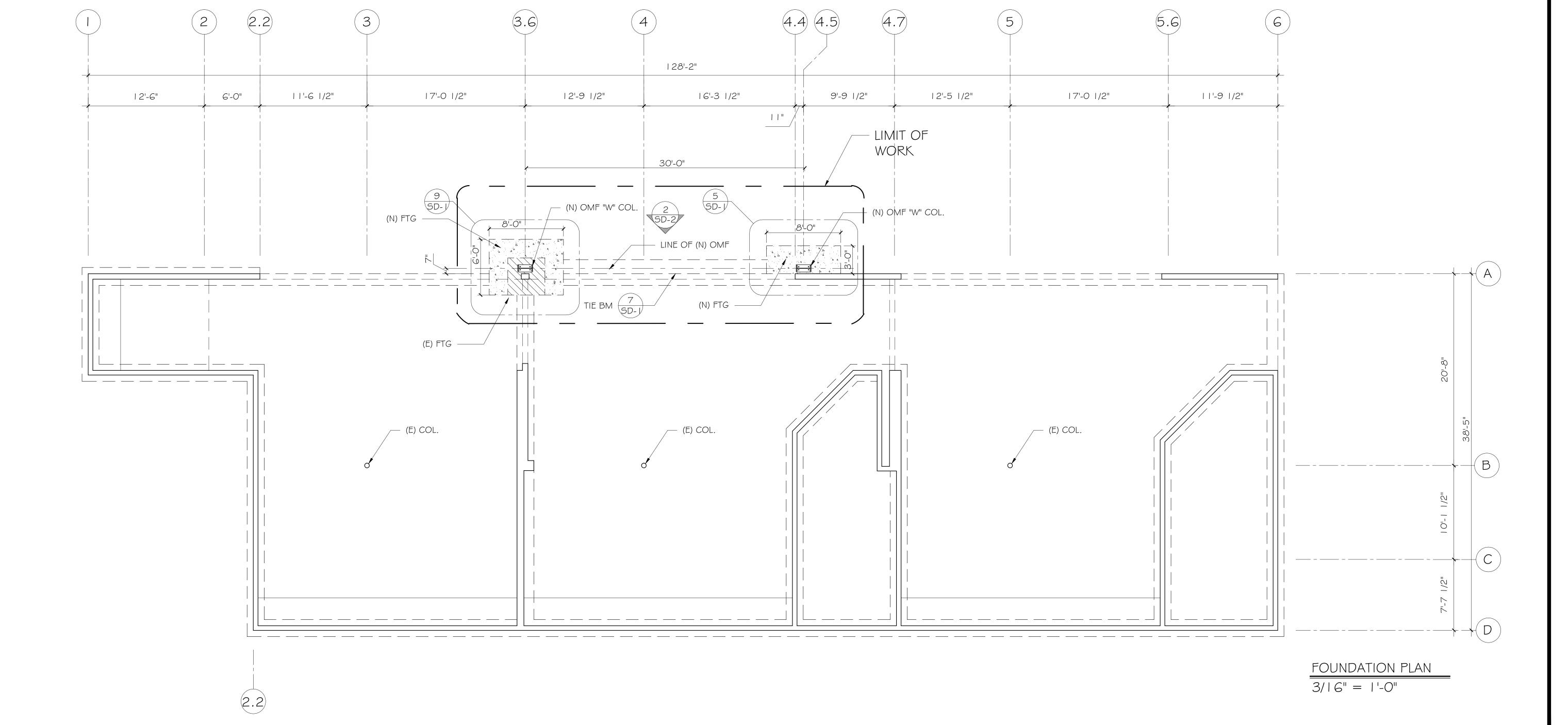
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9-11-17
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SHEET

S-1

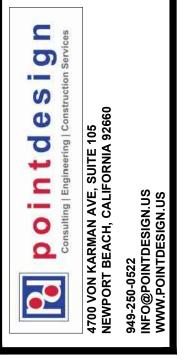


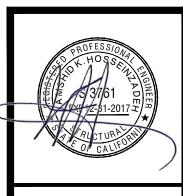
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- 15. F.O.W. INDICATES FACE OF WALL.





RUCTURE OF CALLERS

APARTMENT BUILDING
4711 BEVERLY BLVD.
Los Angeles, California

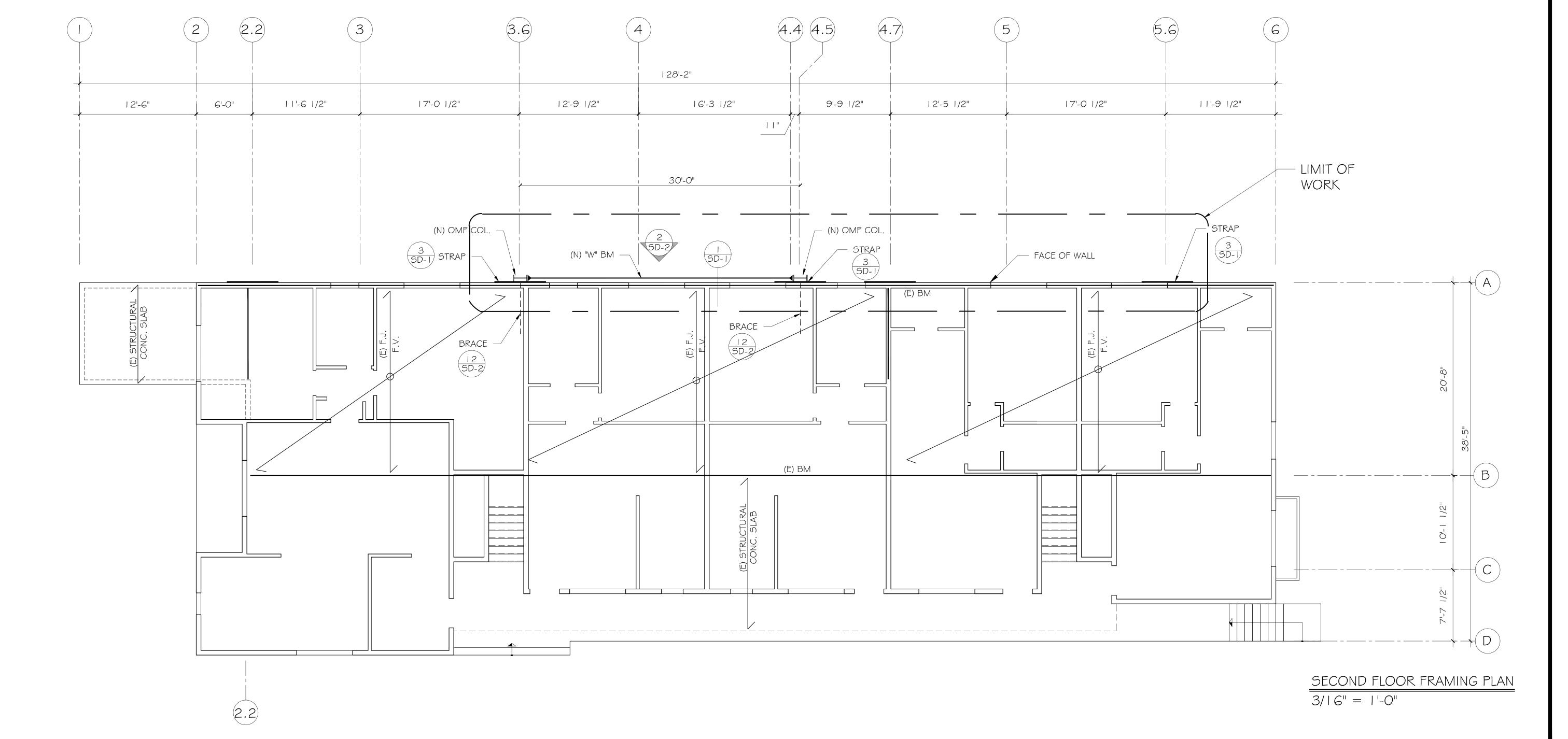
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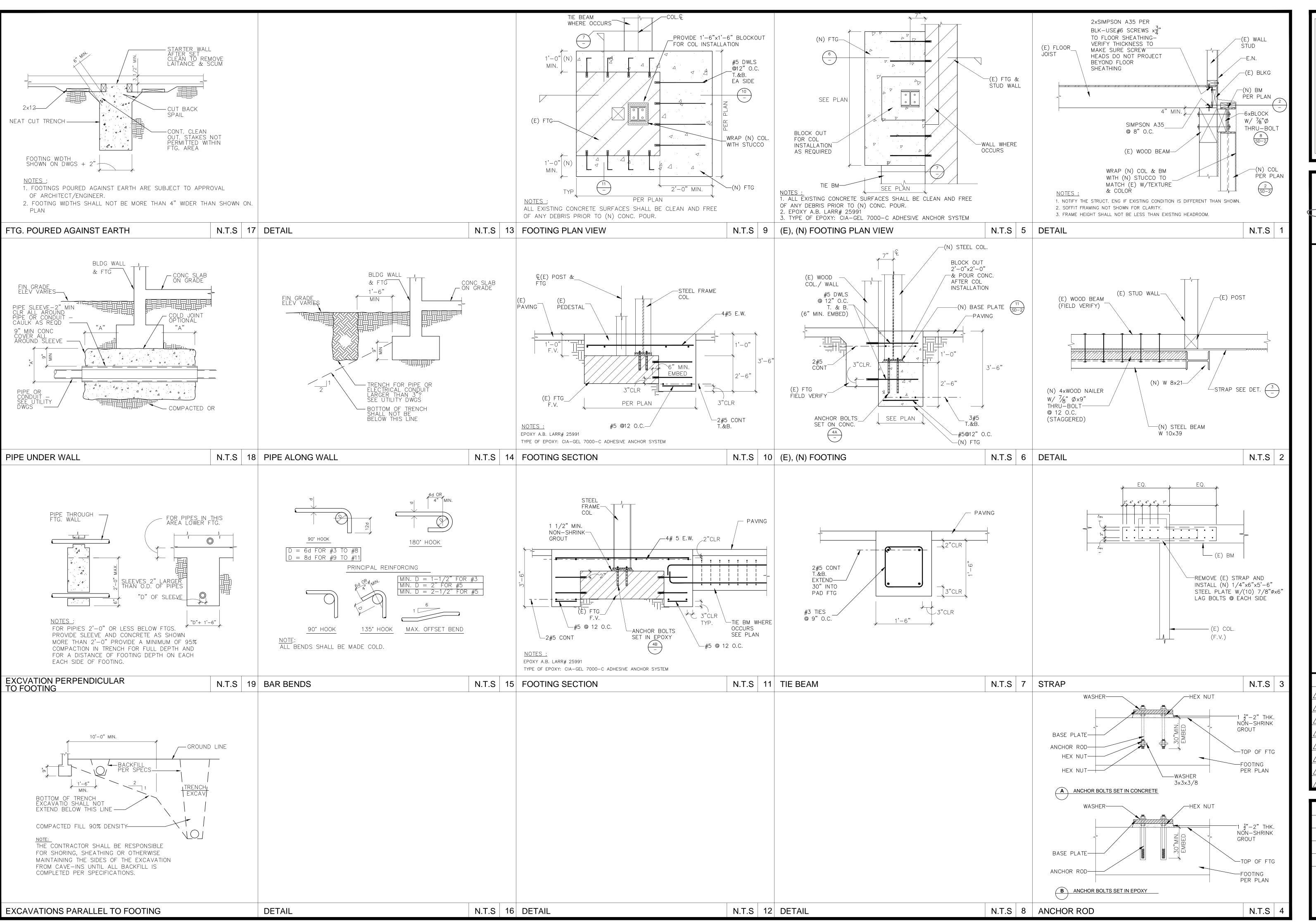
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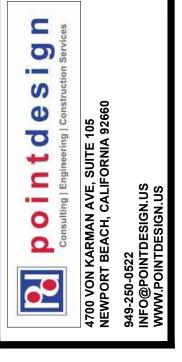
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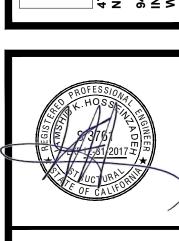
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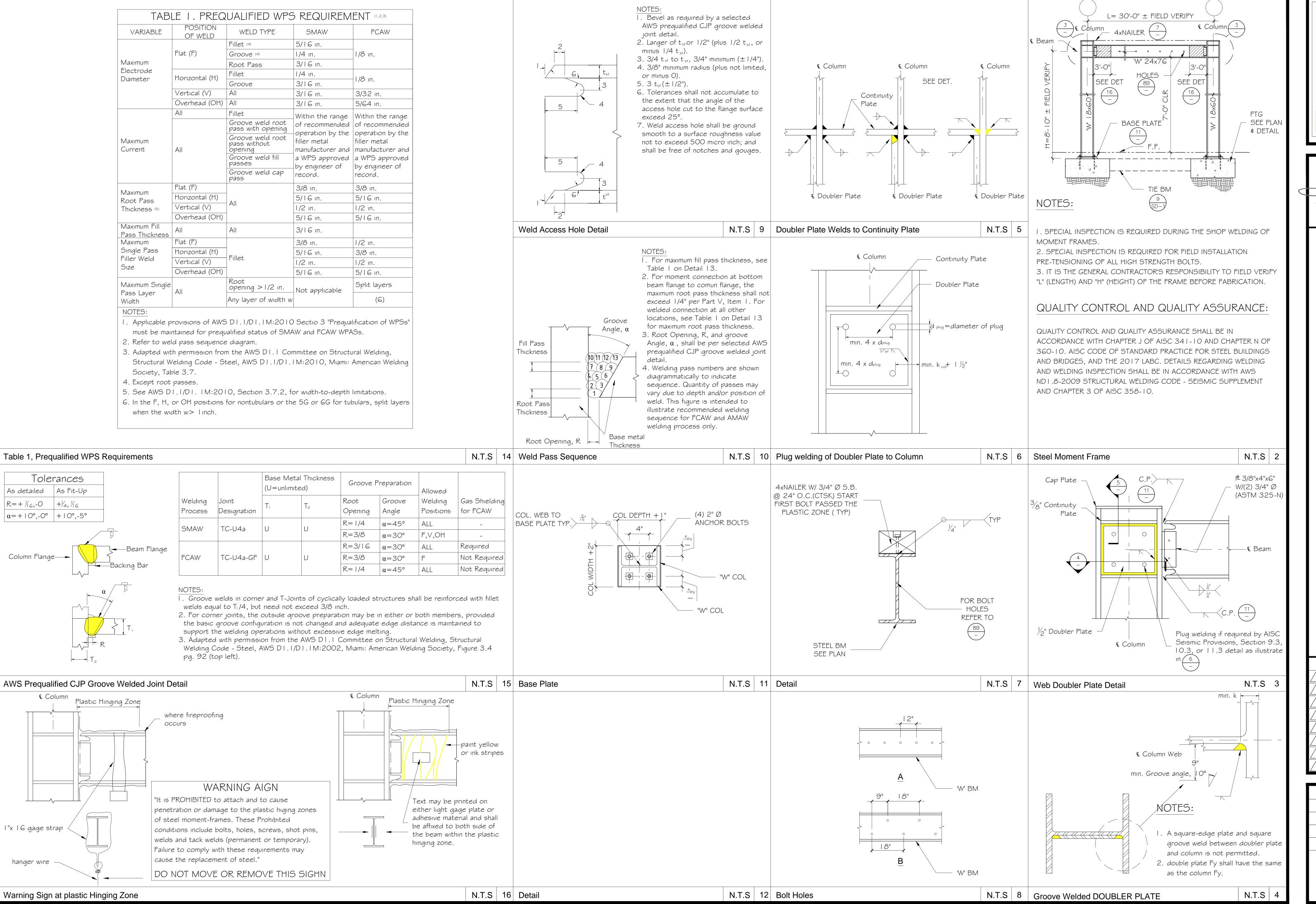
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JOB NO.

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FOR CALLOR

RTMENT BUILDING
711 BEVERLY BLVD.
05 Angeles. California

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9-11-17
SCALE

JOB NO.
17019
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SD-2

STRUCTURAL GENERAL NOTES

(GN I) GENERAL REQUIREMENT

- I. CONSTRUCTION SHALL BE IN CONFORMITY WITH THE 2013 EDITION OF THE CALIFORNIA BUILDING CODE (C.B.C.), 2017 LABC, LAMC DIV. 93 AND ALL APPLICABLE LOCAL AND STATE CODES AND ORDINANCES.
- 2. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE BEFORE COMMENCING WORK AND SHALL REPORT ANY DISCREPANCIES TO THE
- 3. CONTRACTOR SHALL PROVIDE BARRICADES AND PEDESTRIAN PROTECTION AS REQUIRED BY STATE AND LOCAL CODES.
- 4. CONTRACTOR SHALL CONSULT WITH REPRESENTATIVES OF CITY AND UTILITY COMPANIES CONCERNING AVAILABLE FACILITIES BEFORE COMMENCING WORK OR CONNECTING TO SEWER, PIPING OR WIRING, ETC., AND REPORT ANY PROBLEMS TO THE ENGINEER.
- 5. OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND DETAILS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
- 6. CONTRACTOR SHALL INSTALL TEMPORARY TOILETS BEFORE START OF JOB. 7.NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL
- 8. TYPICAL DETAILS SHOWN SHALL APPLY WHERE NO SPECIAL DETAIL IS SHOWN. 9. WRITTEN DIMENSIONS (NOT SCALED DIMENSIONS) SHALL BE USED.
- IO. TEMPORARY ERECTION BRACING AND SHORING SHALL BE PROVIDED AS REQUIRED ON ALL BEAMS, WALLS, ETC., ADEQUATE TO PROVIDE FULL STRUCTURAL STABILITY (GN 06) REINFORCING STEEL AND SAFETY. BRACING SHALL NOT BE REMOVED UNTIL THE ELEMENTS ARE FULLY CONNECTED AND ARE CAPABLE OF SUPPORTING THE DESIGN LOADING.
- II. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

(GN 03) FOUNDATIONS

- I. THE CONTRACTOR SHALL ESTABLISH ALL BUILDING LINES AND PROCEED WITH THE EXCAVATION OF ALL FOOTINGS AS CALLED FOR ON THE DRAWINGS.
- 2. FOOTINGS SHALL BEAR ON NATURAL UNDISTURBED UNIFORM EARTH OR ENGINEERED COMPACTED FILL.
- 3. NO REINFORCING STEEL AND NO CONCRETE SHALL BE PLACED IN ANY EXCAVATION PRIOR TO APPROVAL BY THE BUILDING DEPARTMENT.
- 4. THE TOP OF ALL EXCAVATIONS SHALL BE PROTECTED AGAINST HEAVY SURCHARGE LOADS AND FROM EROSION DUE TO RAINFALL OR SURFACE RUN-OFF DURING THE ENTIRE CONSTRUCTION PERIOD.
- 5. THE SOIL REPORT DESCRIBED UNDER ITEM NO. 7 BELOW SHALL BE A PART OF CONSTRUCTION DOCUMENTS. THE CONTRACTOR SHALL OBTAIN THE SOIL REPORT AND COMPLY WITH ALL RECOMMENDATIONS THEREIN.
- 6. PAD PREPARATION SHALL BE IN ACCORDANCE WITH THE SOIL REPORT. THE PAD SHALL BE INSPECTED AND APPROVED BY THE SOIL ENGINEER PRIOR TO PLACING ANY (GN 07) STRUCTURAL STEEL CONCRETE. THE PAD SHALL BE KEPT MOIST PRIOR TO THE PLACING OF CONCRETE.
- 7. FOUNDATION DESIGN IS BASED ON THE ALLOWABLE SOIL BEARING PRESSURE EQUAL TO 1500 PSF. THE RECOMMENDED FOUNDATION SYSTEMS ARE FOOTINGS FOUNDED AT LEAST 2'-O" BELOW ADJACENT SLAB ON GRADE OR FINISHED GRADE

(GN 04) CONCRETE

- 1. ALL CONCRETE MIX DESIGNS, CONFORMING TO UBC SECTIONS 1904 \$ 1905, SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL BEFORE ANY CONCRETE IS PLACED. ALL CONCRETE MIXES SHALL HAVE A MINIMUM CEMENT CONTENT OF 5 SACKS OF CEMENT PER CUBIC YARD OF MIX. ALL CONCRETE MIXES SHALL BE CERTIFIED BY A CONCRETE TESTING LABORATORY AND SIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER.
- 2. CONCRETE SHALL HAVE MINIMUM 28 DAY COMPRESSIVE STRENGTH GIVEN BELOW: FOOTINGS.... ..2500 PSI SLAB ON GRADE2500 PSI
- GRADE BEAMS . ..3000 PSI ALL OTHER CONCRETE2500 PSI

3. THE MAXIMUM CONCRETE SLUMP SHALL NOT EXCEED 4".

- GROUT UNDER PRECAST PANELS SHALL HAVE A MINIMUM 28-DAY STRENGTH THE SAME AS THAT OF THE PANELS. THE CONCRETE GROUT SHALL BE A SUITABLE MIX CONSISTING OF PEA GRAVEL, SAND, CEMENT AND WATER. MAXIMUM SLUMP SHALL BE 5 INCHES. AN APPROVED SUPERPLASTICIZING ADMIXTURE MAY BE ADDED TO INCREASE THE SLUMP TO MAXIMUM 7.5 INCHES. GROUT UNDER STEEL COLUMN BASE PLATES SHALL BE "POR-ROK" OR "FIVE STAR GROUT" OR APPROVED EQUAL.
- 4. PORTLAND CEMENT SHALL BE TYPE II, OR TYPE V WHERE SPECIFIED, CONFORMING TO A.S.T.M C150 AND SHALL BE TESTED. AGGREGATES SHALL BE NORMAL WEIGHT (145 PCF) U.N.O. CONFORMING TO A.S.T.M. C33, WITH CONCRETE SHRINKAGE CHARACTERISTICS OF LESS THAN 0.053%; WHERE SPECIFIED, LIGHT WEIGHT CONCRETE FOR WALLS AND FLOOR SLABS SHALL HAVE AN IN-PLACE DENSITY OF 110 PCF. LIGHT WEIGHT AGGREGATE SHALL BE EXPANDED SHALE OR APPROVED EQUAL CONFORMING TO A.S.T.M. C330.
- 5. CONCRETE TEST SAMPLES SHALL BE TAKEN IN ACCORDANCE WITH A.S.T.M. AND U.B.C. STANDARDS. RESULTS OF THE 7 \$ 28 DAY TESTS SHALL BE SUBMITTED TO THE ENGINEER FOR HIS RECORDS. SLUMP TESTS ARE REQUIRED FOR ALL TEST SAMPLES AND MUST ALSO BE REPORTED. ADDITIONALLY, ALL LIGHT WEIGHT CONCRETE (GN 09) STRUCTURAL LUMBER SAMPLES MUST HAVE THEIR IN-PLACE DENSITIES DETERMINED AND REPORTED.
- 6. SIDES OF FOOTING PADS MAY BE POURED AGAINST STABLE EARTH.
- 7. TROWEL AND RETROWEL SLAB FOR SMOOTH FINISH WITH NO TROWEL MARKS SHOWING WHEREVER CONCRETE FLOOR IS EXPOSED.
- 8. SEE ARCHITECTURAL NOTES FOR COLORED OR TEXTURED CONCRETE.

- 9. CONCRETE FORM WORK TOLERANCES SHALL BE IN ACCORDANCE WITH U.B.C. AND A.C.I. STANDARDS.
- 10. ALL STEEL REINFORCING, ANCHOR BOLTS, DOWELS AND OTHER INSERTS SHALL BE SECURED IN POSITION AND INSPECTED BY THE LOCAL BUILDING DEPARTMENT
- II. ALL NECESSARY BRACES, STRONGBACKS, PICK-UP INSERTS, BOLTS, ETC., FOR PRECAST CONCRETE PANELS SHALL BE DESIGNED BY OTHERS FOR SAFE ERECTION OF THE PANELS.

INSPECTOR, PRIOR TO THE PLACING OF ANY CONCRETE.

- 12. WHERE NOTED, SOUND INSULATING CELLULAR CONCRETE SHALL BE 100 PCF (13 PSF AT I-I/2" THICKNESS) FOR SECOND FLOOR FILL OVER PLYWOOD SHEATHING.ALL AREAS ARE TO BE TROWELED AND RETROWELED TO A SMOOTH FLAT FINISH SUITABLE
- FOR INTERIOR COVERINGS. PROVIDE WATERPROOF PAPER AND MESH. 13. NO FLY ASH SHALL BE USED IN ANY CONCRETE. NO CALCIUM CHLORIDE SHALL BE
- USED IN ANY CONCRETE. 14. ALL CONCRETE TO BE CURED FOR A MINIMUM OF 3 DAYS BY A METHOD ACCEPTABLE TO THE ENGINEER.
- 15. TOP OF SLAB OR FOOTING UNDER COLUMN BASE PLATES SHALL BE FINISHED SMOOTH AND LEVEL FOR FULL BEARING.
- 16. PLACING OF ALL CONCRETE EXCEPT FOR FOOTINGS AND SLAB ON GRADE SHALL BE CONTINUOUSLY INSPECTED BY A REGISTERED DEPUTY INSPECTOR PAID FOR BY THE OWNER.

- I. ALL REINFORCING STEEL, UNLESS NOTED OTHERWISE, SHALL CONFORM TO A.S.T.M. SPECIFICATIONS AG I 5 AND BE INTERMEDIATE GRADE GO FOR BARS #4 AND GREATER, GN I 3) NAILING AND FASTENERS AND GRADE 40 FOR BARS LESS THAN #4 AND ALL TIES AND DOWELS. ALL REINFORCEMENT TO BE WELDED SHALL CONFORM TO A.S.T.M. A706, UNLESS NOTED
- 2. REINFORCEMENT MARKED CONTINUOUS MAY BE SPLICED BY LAPPING 30 BAR DIAMETERS IN CONCRETE AND 40 BAR DIAMETERS IN MASONRY WITH 24 INCH MINIMUM LAP IN EACH CASE, UNLESS OTHERWISE NOTED ON PLANS. ALL SPLICES WHEN DETAILED SHALL BE LOCATED WHERE SHOWN ON PLANS.
- 3. REINFORCING STEEL SHALL BE ACCURATELY PLACED AND SECURED IN POSITION WITH METAL OR CONCRETE BLOCKS, CHAIRS, SPACERS, ETC., BEFORE PLACING CONCRETE.
- 4. WELDED WIRE FABRIC FOR SLABS ON GRADE SHALL CONFORM TO A.S.T.M. A185, BE IN FLAT SHEETS AND HAVE MIN. LAP OF ONE PARALLEL STRAND BUT NOT LESS
- 5. ADDITIONAL REINFORCING REQUIRED FOR ERECTION OF PRECAST CONCRETE SHALL BE ADDED PER THE CONTRACTORS DETAILS.
- 6. MINIMUM CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE. CONCRETE BELOW GRADE OR IN CONTACT WITH SOIL: WHEN POURED AGAINST EARTH 3", WHEN FORMED 2". WALLS ABOVE GRADE: EXTERIOR FACE 1-1/2", INTERIOR FACE 1". TILT-UP PANELS AND OTHER PRECAST CONCRETE ELEMENTS: AS DETAILED. CONCRETE SLAB ON GRADE: REINFORCING STEEL AT
- 7. REINFORCEMENT DETAILING SHALL BE IN ACCORDANCE WITH U.B.C. SECTION 1907

- I.STRUCTURAL STEEL SHALL CONFORM TO A.S.T.M. A992AND OTHER MISCELLANEOUS STEEL SHALL CONFORM TO A.S.T.M A36.
- CONFORM TO A.S.T.M. A53. GRADE B. 3. STRUCTURAL STEEL TUBING SHALL CONFORM TO A.S.T.M. A500, GRADE B, Fy =

2.STEEL PIPE COLUMNS AND OTHER STEEL PIPE STRUCTURAL MEMBERS SHALL

- 46 KSI.
- 4. ALL BOLTS SHALL CONFORM TO A.S.T.M. A307, UNLESS NOTED OTHERWISE. WHERE HIGH STRENGTH (H.S.) BOLTS CONFORMING TO A.S.T.M. A325 ARE SPECIFIED, INSTALLATION SHALL BE INSPECTED BY A REGISTERED DEPUTY INSPECTOR APPROVED BY THE BUILDING DEPARTMENT.
- 5. STRUCTURAL STEEL "NELSON" STUDS SHALL BE MANUFACTURED FROM CIOIS, C1017 AND C1020 COLD DRAWN STEEL CONFORMING TO A.S.T.M. A108-58T.
- 6. LIGHT GAUGE STRUCTURAL STEEL MEMBERS SHALL CONFORM TO A.S.T.M. STANDARDS A-446, GRADE A (GALVANIZED) OR A.S.T.M. A-570, GRADE C (HOT ROLLED) OR A.S.T.M. AGII-C FOR 33000 PSI STEEL. FOR 50000 PSI STEEL, MEMBERS SHALL CONFORM TO A.S.T.M. A-466, GRADE D (GALVANIZED), OR
- A.S.T.M.A-570, GRADE E (HOT ROLLED) OR A.S.T.M. A-607, GRADE 50. 7. FABRICATION AND ERECTION SHALL CONFORM TO A.I.S.C. SPECIFICATIONS.
- 8. ALL EXPOSED STRUCTURAL AND MISCELLANEOUS STEEL SHALL RECEIVE ONE COAT OF STANDARD SHOP PRIMER PAINT.
- 9. CONTRACTOR SHALL PROVIDE TEMPORARY SHORING AND BRACING PER STATE AND LOCAL REQUIREMENTS FOR ERECTION OF STEEL FRAMES AND GIRDERS.
- DEAD LOADS: 15 PSF

LIVE LOAD: 20 PSF

FLAT ROOF LOADS:

(GN 08) WELDING

- I. ALL WELDING SHALL BE DONE USING THE SHIELDED ELECTRIC ARC PROCESS BY CERTIFIED WELDERS, USING E70XX ELECTRODES.
- 2. WELDING OF STEEL REINFORCING BARS SHALL BE DONE WITH LOW HYDROGEN ELECTRODES, A233, CLASS E70XX SERIES. ALL REINFORCEMENT TO BE WELDED SHALL CONFORM TO A.S.T.M. A706 UNLESS APPROVED OTHERWISE.
- 3. WELDS IDENTIFIED AS REQUIRING CONTINUOUS OR PERIODIC SPECIAL INSPECTION NEED NOT HAVE SPECIAL INSPECTION WHEN WELDING IS DONE IN AN APPROVED FABRICATOR'S SHOP, HOWEVER, THE APPROVED FABRICATOR MUST SUBMIT A CERTIFICATE OF COMPLIANCE IN ACCORDANCE WITH I.B.C. CHAPTER 17.

I. ALL ROUGH LUMBER USED IN THE WORK SHALL BE OF THE FOLLOWING GRADE OF DOUGLAS FIR-LARCH, WITH THE BASE DESIGN VALUES COMPLYING WITH WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) GRADING SPECIFICATIONS. UNLESS

OTHERWISE NOTED ON PLANS.

- A) HORIZONTAL FRAMING MEMBERS 2" TO 4" THICK
- AND 2" AND WIDER .. .1000F-NO.1 B) HORIZONTAL FRAMING MEMBERS 5" OR MORE IN THICKNESS,
- 5" AND WIDER (BEAMS & STRINGERS) . .1350F-NO.1 C) POSTS (POSTS \$ TIMBERS) ..
- .1200F-NO.1 D) STUDS 2" TO 4" THICK, 4" WIDE . 1000F-CONST
- E) THE OTHER WOOD MEMBERS .. 875F-NO. 2
- 2. SHEATHING SHALL BE DFPA GRADE STAMPED, TYPE STRUCTURAL I, EXTERIOR GLUE, UNLESS NOTED OTHERWISE. 15/32" AND 19/32" THICK SHEATHING SHALL HAVE INDEX NO. 32/16. 23/32" SHEATHING SHALL HAVE INDEX NO. 48/24.
- 3. ROOF FRAMING, SHEATHING AND NAILING SHALL BE INSPECTED PRIOR TO PLACING OF ROOFING MATERIALS.
- 4. PROVIDE METAL WASHERS FOR ALL BOLTS AND NUTS BEARING ON WOOD.
- 5. BOLT HOLES IN WOOD MEMBERS SHALL BE THE SAME AS THE BOLT DIAMETER FOR A TIGHT FIT. WOOD MEMBERS WITH HOLES NOT MEETING THE ABOVE CRITERIA SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
- 6.ALL LUMBER IN CONTACT WITH CONCRETE THAT IS IN CONTACT WITH THE GROUND, SHALL BE REDWOOD OR APPROVED PRESSURE TREATED WOOD.
- 7. INDIVIDUAL PIECES OF SHEATHING SHALL NOT BE LESS THAN 2'-O" IN THEIR LEAST PLAN DIMENSION, NOR LESS THAN 8 SQUARE FEET IN AREA.
- 8. MECHANICAL DUCTS AND EQUIPMENT. SPRINKLER PIPES. SUSPENDED CEILING MAY NOT BE SUPPORTED BY OR CONNECTED TO THE ROOF SUBPURLINS OR ANY 2x4 FRAMING MEMBER.

- I. ALL NAILS SHALL BE COMMON WIRE NAILS, UNLESS OTHERWISE NOTED. 2. NAILING OTHER THAN ROOF OR FLOOR DIAPHRAGM SHOWN ON THE DRAWINGS
- SHALL BE IN ACCORDANCE WITH THE UNIFORM BUILDING CODE. 3. NAILS FOR ROOF AND FLOOR SHEATHING SHALL HAVE EXACTLY ONE AND FIVE

4. WHERE NAIL SPACING IS REQUIRED TO BE LESS THAN 3" O.C., NAILS SHALL BE

- EIGHTHS OF AN INCH PENETRATION INTO THE FRAMING MEMBERS.
- STAGGERED. 5. PLACEMENT AND NAILING OF ALL SHEATHING MUST BE INSPECTED AND APPROVED
- BEFORE COVERING. 6. FASTENERS FOR THE CONNECTION OF THE ROOF AND FLOOR SHEATHING TO THE LEDGERS SHALL BE EITHER TRAXX SCREWS OR PNEUTEK PINS AS DESCRIBED BELOW.
- THE FASTENERS SHALL BE INSTALLED A MINIMUM OF I INCH FROM THE SHEATHING EDGE AND INCH FROM THE EDGE OF THE STEEL LEDGER. THE CONTRACTOR HAS THE FOLLOWING OPTIONS; A) USE SELF DRILLING, SELF TAPPING TRAXX SCREWS WITH HEXAGONAL WASHER
- HEADS. THE SCREW SHALL BE | 2 24x| FOR | 15/32 THICK SHEATHING AND | 2 -24x1" FOR 23/32" THICK SHEATHING (IN COMPLIANCE WITH COLA RR NO. 23971). THE SPACING SHALL BE PER NAILING SCHEDULE. B) ALTERNATIVELY, PNEUTEK FASTENERS MAY BE USED PER NAILING SCHEDULE.
- PNEUTEK PINS SHALL HAVE A SHANK DIAMETER OF O. 187" AND A HEAD DIAMETER OF 0.380". PINS SHALL BE NO. SDL45 | 38 FOR | 5/32" THICK SHEATHING AND NO. SDL45175 FOR 23/32" THICK SHEATHING. PINS MUST PROTRUDE A MINIMUM OF INCH THROUGH THE STEEL LEDGER. A 1.50" WIDE NO. 18 GA. GALIVANIZED STEEL STRAP SHALL BE PLACED CONTINUOUSLY IN 4'-0" LENGTHS ON TOP OF SHEATHING DIRECTLY ABOVE THE STEEL LEDGER (IN COMPLIANCE WITH ICBO NO. 3447).
- 7. EXPANSION BOLTS SHALL BE AS MANUFACTURED BY HILTI, HIT C-100 ADHESIVE THREADED RODS (IN COMPLIANCE WITH ICBO NO. 4016). UNLESS NOTED OTHERWISE ON THE DRAWINGS, USE MINIMUM " DIAMETER WITH 5" EMBEDMENT.

ESTS AND REPORTS

- I. MILL REPORTS AND LABORATORY TESTS, SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING, SHALL BE SUBMITTED TO THE OWNER AND TO THE ENGINEER FOR THEIR RECORDS:
- A) CONCRETE CYLINDERS
- B) REINFORCING STEEL
- C) STRUCTURAL STEEL

SHOP DRAWINGS

- I. SHOP DRAWINGS SHALL INCLUDE BUT NOT BE LIMITED TO THE FOLLOWING, FOUR PRINTS OF WHICH SHALL BE SUBMITTED TO POINT DESIGN FOR REVIEW AND APPROVAL:
- A) STRUCTURAL STEEL
- B) PREFABRICATED ITEMS

(GN 15) SPECIAL INSPECTIONS

- IN ADDITION TO THE REQUIREMENTS OF IBC, CHAPTER 17, SPECIAL INSPECTION IS REQUIRED ON THE FOLLOWING ITEMS:
- I .SPECIAL INSPECTION IS REQUIRED FOR ALL FIELD WELDING.

2.HIGH STRENGTH BOLTS.

3.CONCRETE EXCEEDING 2,500 PSI.

- 4.SPECIAL INSPECTIONS SHALL BE DONE BY ONE OR MORE REGISTERED DEPUTY (SPECIAL) INSPECTORS, APPROVED BY THE BUILDING DEPARTMENT, AND PAID FOR BY THE OWNER.
- 5.STRUCTURAL OBSERVATIONS BY ENGINEER SHALL BE REQUIRED, PRIOR TO ANY FRAMING INSPECTION.

STRUCTURAL DESIGN CRITERIA

- I. DESIGN LOADS:
- ROOF DEAD LOAD = 15 PSFROOF LIVE LOAD = 20 PSF
- FLOOR DEAD LOAD = 15 PSF
- FLOOR DEAD WITH STUCCO CEILING = 18 PSF FLOOR LIVE LOAD = 40 PSF
- PARTITION WALL LOAD = 10 PSFSTUCCO WALL LOAD = 15 PSF

2. EARTHQUAKE DESIGN DATA: LA ORDINANCE 183893 \$ 184081

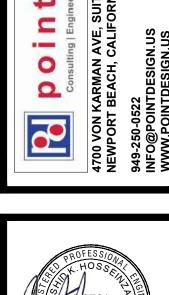
IMPORTANT FACTOR I .. SITE CLASS ..

- ..2.24 ..0.78
- ..0.780 SEISMIC DESIGN CATEGORY ...
- BASIC SEISMIC FORCE RESISTING SYSTEM: STEEL ORDINARY MOMENT FRAMES (OMF) DESIGN BASE SHEARV=0.320 W (ULTIMATE) x 0.75
- ...0.427 x 0.75=0.320

QUALITY CONTROL AND QUALITY ASSURANCE:

QUALITY CONTROL AND QUALITY ASSURANCE SHALL BE IN ACCORDANCE WITH CHAPTER . OF AISC 34 1-10 AND CHAPTER N OF 360-10. AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, AND THE 2017 LABC. DETAILS REGARDING WELDING AND WELDING INSPECTION SHALL BE IN ACCORDANCE WITH AWS ND 1.8-2009 STRUCTURAL WELDING CODE - SEISMIC SUPPLEMENT AND CHAPTER 3 OF AISC 358-10.







REVISIONS

CHECKED 9-11-17 SCALE

SHEET

Effective: 01-01-2017 Revised: 06-19-2017 DOCUMENT NO. P/BC 2017-024 DEPARTMENT OF BUILDING AND SAFETY Previously Issued As: P/BC 2014-024

STRUCTURAL OBSERVATION

INTRODUCTION

This Information Bulletin stipulates the Los Angeles Department of Building and Safety (LADBS) policy and procedure in regards to Structural Observation as mandated by Los Angeles Municipal Code (LAMC) Section 91.1704, and describes the responsibility of all parties involved in compliance with Structural Observation.

II PURPOSE OF STRUCTURAL OBSERVATION

Structural Observation is the visual observation of the structural system by a Registered Design Professional (i.e., licensed engineer or architect) for general conformance with the approved construction documents. Structural Observation is intended to assist and supplement the work of the Building Official. Structural Observation by itself does not certify, guarantee or ensure conformance with all of the specific requirements of the approved construction documents. It does not provide the quality assurance of continuous inspection by the Registered Deputy Inspector, nor does it include or waive the responsibility for progress or inspections by the Building Official.

The requirement for having a Registered Design Professional present during key construction phases provides an additional observation of the gravity and/or lateral load structural systems by a knowledgeable observer. This will substantially increase the likelihood that the structural system will be in general conformance with the approved construction documents by tracking the load paths to prevent gross errors and omissions. The Registered Design Professional who performs the Structural Observation is known herein as the "Structural Observer".

III. DEFINITIONS

Structural Observation is the visual observation of the structural system by a registered design professional for general conformance to the approved construction documents. Structural Observation does not include or waive the responsibility for the inspection required by LAMC Sections 91.110 and 91.1704.

Significant Construction Stages are the stages of construction identified by the Structural Observer as significant and require site Structural Observation.

Structural Observer is the engineer or architect responsible for the structural design, or a registered engineer or licensed architect designated by the engineer or architect responsible for the structural design to perform site Structural Observation required by LAMC Section

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Designated Observer is a registered engineer or licensed architect designated by the engineer or architect responsible for the structural design to perform site Structural Observation required by LAMC Section 91.1704.6.

Structure is that which is built or constructed, an edifice or building of any kind, or any piece of work artificially built up or composed of parts joined together in some definite manner.

IV. PROJECTS REQUIRING STRUCTURAL OBSERVATION

A. Structural Observation for Seismic Design

Structural Observation shall be provided for those structures included in Seismic Design Category D, E or F, as determined in LABC Section 1613, where one or more of the following

- 1. The structure is classified as Risk Category III or IV in accordance with LABC Table
- The height of the structure is greater than 75 feet (22860 mm) above the base. The structure is classified as Risk Category I or II in accordance with LABC Table 1604.5, and is greater than two stories 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 in responsible charge of the
- structural design. 5. When such observation is specifically required by the Department. Structures under this
- category shall include, but are not limited to: Retaining or freestanding walls greater than 8 feet in height.
- Large signs. Storage racks over 10 feet in height.
- Swimming pools not covered by a Los Angeles City standard plan.

B. Structural Observation for Wind Design

Structural Observation shall be provided for those structures sited where V_{asd} as determined in LABC Section 1609.3.1 exceeds 110 mph (49 m/sec), where one or more of the following conditions exist:

- 1. The structure is classified as Risk Category III or IV in accordance with LABC Table
- The height of the structure is greater than 75 feet (22860 mm) above the base. When so designated by the registered design professional in responsible charge of the
- structural design. When such observation is specifically required by the Department. Structures under this category shall include, but are not limited to:

a. Retaining or freestanding walls greater than 8 feet in height. As a covered entity under Title II of the Americans with Disabilities Act, the City of Los Angeles does not discriminate on the basis of disability and, upon request, will provide reasonable dation to ensure equal access to its programs, services and activities.

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- b. Large signs.
- Storage racks over 10 feet in height.
- d. Swimming pools not covered by a Los Angeles City standard plan.

V. DOCUMENTING STRUCTURAL OBSERVATION REQUIREMENTS

Prior to the issuance of a building permit, the architect or engineer responsible for the structural design of the building or structure shall specify Structural Observation at each construction stage identified in LAMC Section 91.108 on the "Structural Observation/Significant Construction Stages" form attached. The "General Notes for Structural Observation" included in this Information Bulletin shall be made part of the approved plans with all the significant construction stages identified. In addition, for repetitive work involving similar or identical construction, i.e., floor construction at multi-story buildings, the architect or engineer shall specify the location and/or frequency of Structural Observation required therein on the plan. Also, see section "Repetitive Construction for Single-Family Wood-Framed Structures" of this document.

The individual or firm responsible for performing the Structural Observation shall be employed by the owner. This information shall be specified either on the "Structural Observation/Significant Construction Stages" form if the Structural Observer is the engineer or architect of record for the structural design, or on the "Structural Observation Program and Designation of the Structural Observer" form IN/Form.08 (Part 2) attached. If the Structural Observer is designated by the engineer or architect of record, such individual or firm may be called the "Structural Observer of Record" for the project. The Structural Observer of record must meet the following three conditions:

- 1. The Structural Observer must be a person or firm registered in California to practice
- engineering or architecture. The Structural Observer must have a direct contractual relationship with the owner, or
- owner's representative, to provide the Structural Observation service. The Structural Observer must be either the engineer or architect of record for the structural design, or another engineer or architect designated by the engineer or architect of record. The Architect or Engineer of Record shall complete the "Structural Observation Program and Designation of the Structural Observer" form IN/Form.08 (Part

Note: The person who actually performs visual Structural Observation at the construction site in the field may be either the Structural Observer of Record, or a registered engineer registered or a licensed architect under the responsible charge of the Structural Observer of

2) when another engineer or architect is designated as "Structural Observer".

VI. EXECUTION OF STRUCTURAL OBSERVATION

Upon excavation and exposure of existing structural elements and connections and prior to installation of any new structural elements or members, the owner or

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owner's representative shall arrange a pre-construction meeting to be attended by the engineer or architect responsible for the structural design, contractor and the building inspector. The purpose of the meeting shall be to identify the major structural elements, connections and existing conditions that affect the vertical and lateral load systems of the structure and to review scheduling of the required

Performing Structural Observation and Submission of Structural Observation Reports

The Structural Observer shall perform Structural Observation(s) at the construction site in accordance with the Structural Observation Report Form and the approved plans. Upon completion of the Structural Observation at each construction stage, the Structural Observer of record shall complete the "Structural Observation Report Form" IN/Form.08 (Part 1).

Observed deficiencies shall be reported in writing, to the owner's representative, Registered Deputy Inspector, contractor and the Superintendent of Building. The Structural Observer shall submit a Structural Observation Report on "LADBS/LARUCP Structural Observation Report" form IN/Form.08 (Part 1) to the Superintendent of Building, at each significant construction stage, indicating that the site visits have been made, identifying any deficiencies, to the best of the Structural Observer's knowledge, that have not been resolved, and whether the correction of the reported deficiencies needs to be verified by the structural engineer or architect of record or the designated Structural Observer.

A final Structural Observation Report on, "LADBS/LARUCP Structural Observation Report" form IN/Form.08 (Part 1), by the Structural Observer, at each significant construction stage where deficiencies were reported, which states that all observed deficiencies have been resolved, is required before acceptance of the work by the Superintendent of Building.

A licensed engineer or registered architect, who works under the supervision of the Structural Observer of record and actually performs the observation, may fill out the required "LADBS/LARUCP Structural Observation Report" form IN/Form.08 (Part 1) noting any observed deficiencies. The person working under the Structural Observer of record, name and registration number shall be noted in the report. The report shall be reviewed, completed, stamped and signed by the Structural Observer of Record, who takes responsibility for the

At the conclusion of the work included in the permit, the Structural Observer shall submit to the Superintendent of Building a Structural Observation Report on "Structural Observation Report Form" form IN/Form.08 (Part 1). The Structural Observer shall state in writing, on "Structural Observation Report Form" form IN/Form.08 (Part 1), the site visits have been made and identify any reported deficiencies, to the best of the Structural Observer's knowledge, that have <u>not</u> been resolved, if any.

Repetitive Construction for Single-Family Wood-Framed structures

The Structural Observer of record may request a reduction in the scope of Structural Observation for any repeated single-family detached wood frame structure. Administrative

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approval will be considered for alternative quality control programs that meet the following minimum requirements:

The structure shall be repeated a minimum of three times. Repetitive structures also

include reversed floor plans and allow non-structural changes in exterior elevations.

- The department determines that the repeated structure is not unusual in its size, shape or orientation.
- The personnel responsible for the construction for the owner, contractor, and subcontractors shall remain constant during the phase or phases of construction
- The building inspector shall attend any pre-construction meetings.
- The Structural Observer shall fully observe the initial structure in any repeated group. The Structural Observer shall make a final observation visit of the construction site and report for each structure after any mechanical penetrations are in place and before approval of the rough framing and covering of the work.
- The repeated construction does not result in deficient critical elements or their connections which would normally be reported under full Structural Observation.

Inspection by Building Inspector

Structural Observation does not include or waive the responsibility of the inspection required by the building code by the Department inspector.

(See Page 6 for General Notes for Structural Observation)

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GENERAL NOTES FOR STRUCTURAL OBSERVATION

- (1) Structural Observation is required for the structural system in accordance with the Information Bulletin No. P/BC 2017-024. Structural Observation is the visual observation at the construction site of the elements and connections of the structural system at significant construction stages, and the complete structure for general conformance to the approved plans and specifications. Structural Observation does not waive the responsibility for the inspections required of the building inspector or the deputy inspector.
- (2) The owner shall employ a State of California registered civil or structural engineer or licensed architect to perform the Structural Observation. The Los Angeles Department of Building and Safety (LADBS) requires the use of the engineer or architect, or his/her designee responsible for the structural design who are independent of the contractor.
- (3) The Structural Observer shall provide evidence of employment by the owner or the owner's representative. A letter from the owner, the owner's representative, or a copy of the agreement for services shall be sent to the building inspector before the first site visit.
- (4) The owner or owner's representative shall coordinate and call for a meeting between the engineer or architect responsible for the structural design, Structural Observer, contractor, affected subcontractors and deputy inspectors. The purpose of the meeting shall be to identify the major structural elements and connections that affect the vertical and lateral load systems of the structure and to review scheduling of the required observations. A record of the meeting shall be included in the first observation report submitted to the building inspector.
- (5) The Structural Observer shall perform site visits at those steps in the progress of the work that allow for correction of deficiencies without substantial effort or uncovering of the work involved. At a minimum, the listed significant construction stages on either the "Structural Observation/Significant Construction Stages" form or the "Structural Observation Program and Designation of the Structural Observer" form IN/Form.08 (Part 2) require a site visit and an observation report from the Structural
- (6) The Structural Observer shall prepare a report of the "Structural Observation Report Form" IN/Form.08 (Part 1) for each significant stage of construction observed. The original of the Structural Observation report shall be sent to the building inspector's office and shall be signed and sealed (wet stamp) by the responsible Structural Observer. One copy of the observation report shall be attached to the approved plans. The copy attached to the plans shall be signed and sealed (wet stamp) by the responsible Structural Observer or their designee. Copies of the report shall also be given to the owner, contractor, and deputy inspector. Any deficiency noted on the observation report will become the responsibility of the structural engineer or architect of record to verify its completion by the Structural Observer.
- (7) A final observation report must be submitted which shows that all observed deficiencies were resolved and structural system generally conforms with the approved plans and specifications. The Los Angeles Department of Building and Safety (LADBS) will not accept the structural work without the final observation report and the correction of specific deficiencies noted during normal building inspection.

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(8) The Structural Observer shall provide the original stamped and signed "Structural Observation Report Form" to the City of Los Angeles Department of Building and Safety Building Inspector.

(9) When there is a need to replace the Structural Observer of record, the owner shall:

- a) Notify the building inspector in writing before the next inspection by submitting completed "Structural Observation Program and Designation of the Structural Observer" form IN/Form.08
- c) Furnish the replacement Structural Observer with a copy of all previous observation reports. d) The new Structural Observer must be designated by the engineer or architect of record.

b) Call an additional preconstruction meeting, and

The replacement Structural Observer shall approve the correction of the original observed deficiencies unless otherwise approved by plan check supervision. The policy of the Department shall be to correct any properly noted deficiencies without consideration of their source.

(10) The engineer or architect of record shall develop all changes relating to the structural systems. The building department shall review and approve all changes to the approved plans and specifications.

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STRUCTURAL OBSERVATION/ SIGNIFICANT CONSTRUCTION STAGES (Only Checked items are required)

> Architect or Engineer of Record for the project to be responsible for the "Structural Observation": ☐ Licensed Architect ☐ Registered Engineer Phone: () California Registration Number:

Construction Stage	Construction Type	Elements/Connections to be observed
Foundation	 ☑ Footing, Stem Walls, Piers ☐ Mat Foundation ☐ Caisson, Pile, Grade beams ☐ Stepping/Retaining Foundation, Hillside Special Anchors ☑ Others: 	PAD FOOTING, GRADE BEAMS
Wall	☐ Concrete ☐ Masonry ☑ Wood ☐ Others:	
Frame	☐ Steel Moment Frame ☐ Steel Braced Frame ☐ Concrete Moment Frame ☐ Others:	
Diaphragm	☐ Concrete ☐ Steel Deck ☐ Wood ☐ Others:	
Others		

DECLARATION BY OWNER OR OWNER'S REPRESENTATIVE I, ☐ the owner of the project ☐ the owner's representative, declare that the above listed firm or individual is hired by me to be the Structural Observer.

Signature Of Structural Observer

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STRUCTURAL OBSERVATION REPORT FORM

Report No. _____

STAMP OF STRUCTURAL OBSERVER

STRUCTURAL OBSERVATION means the visual observation of the structural system, for general conformance to the approved plans and specifications, at significant construction stages and at completion of the structural system. Structural observation does not include or waive the responsibility for the inspections required by Section 108, 1704 or other sections of

This report includes all construction work through day of , 20 Page No of						
Project Address: 47 BEVERLY BLVD. LOS	ANGELES 90004	:	Structural C	Observer of Record (SC	PR):	Phone No. of SOR:
Building Permit No.:	Structural Observati	ration performed by: Professional Lic./Reg. No. of Obse		server:	Phone No. of Observer:	
OBSERVED STRUCTURAL ELEMENTS AND THEIR CONNECTIONS						
FOUNDATION	WALL	FRAME		FLOOR		MENT/ CONNECTION ERVATION LOCATION
☐Footing, Stem Walls, Piers	☐Concrete	☐Steel Moment Fr	ame	Concrete		

OBSERVED STRUCTURAL ELEMENTS AND THEIR CONNECTIONS					
FOUNDATION	WALL	FRAME	FLOOR	ELEMENT/ CONNECTION OBSERVATION LOCATION	
☐Footing, Stem Walls, Piers	☐Concrete	Steel Moment Frame	☐Concrete		
☐ Mat Foundation	☐Modulus of Elasticity* Concrete Shear Walls	Steel Braced Frame	Steel Deck		
☐Caisson, Piles, Grade Beams	□Masonry	☐Concrete Moment Frame	□Wood		
Retaining Foundation Hillside Special Anchors	□Wood	☐Modulus of Elasticity* Seismic Moment Frames	Others:		
Others:	□Others:	Others:			

* For concrete buildings more than 160 feet in Structural Height: Concrete mix meets the modulus of elasticity requirements in design for seismic force resisting systems.

NOTED DEFICIENCIES with the proposed corresponding corrective actions with respect to general conformance with the approved plans or in the load path: (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 officials.)

I DECLARE THAT THE FOLLOWING STATEMENTS ARE TRUE TO THE BEST OF MY KNOWLEDGE: 1. I AM THE ENGINEER OR ARCHITECT RETAINED BY THE OWNER TO BE IN RESPONSIBLE CHARGE FOR THE STRUCTURAL OBSERVATION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CITY OF LOS ANGELES.

2. I, OR ANOTHER ENGINEER OR ARCHITECT WHO I HAVE DESIGNATED ABOVE AND IS UNDER MY RESPONSIBLE CHARGE, HAS PERFORMED THE REQUIRED SITE VISITS AT EACH SIGNIFICANT CONSTRUCTION STAGE TO VERIFY IF THE STRUCTURE IS IN GENERAL CONFORMANCE WITH APPROVED PLANS AND SPECIFICATIONS

3. ALL NOTED DEFICIENCIES WHICH REMAIN TO BE CORRECTED HAVE BEEN INDICATED 4. I RECOMMEND THAT ACCEPTANCE OF THE STRUCTURAL SYSTEMS BY THE CITY OF LOS ANGELES BE WITHHELD UNTIL ALL OBSERVED DEFICIENCIES ARE CORRECTE

SIGNATURE OF STRUCTURAL OBSERVER IN/Form.08 (Part 1) (Rev. 06/19/17)



Los Angeles Regional Uniform

Code Program Committee I-3: Structural Observation

STRUCTURAL OBSERVATION PROGRAM AND DESIGNATION OF THE STRUCTURAL ORSERVER

	STRUCTURAL OBSERV	LIX
PROJECT ADDRESS:	4711 BEVERLY BLVD. LOS ANGELES 90004	_ PERMIT APPL. NO

Description of Work: Owner: Alvord Sue J TR _ Engineer: Jamshid K. Hosseinzadeh

Firm or Individual to be responsible for the Structural Observation: Phone: (Calif. Registration: FRAME DIAPHRAGM FOUNDATION □ Concrete Footing, Stem Walls, Piers ☐ Concrete ☐ Steel Moment Frame Mat Foundation ☐ Masonry ☐ Steel Braced Frame ☐ Steel Deck

☐ Concrete Moment Frame

Others:

STRUCTURAL OBSERVATION

(only checked items are required)

DECLARATION BY OWNER

Special Anchors

Caisson, Piles, Grade Beams

Step'g/Retain'g Foundation, Hillside

I, the Owner of the project, declare that the above listed firm or individual is hired by me to be the Structural Observer.

DECLARATION BY ARCHITECT OR ENGINEER OF RECORD (required if the Structural Observer is I, the Architect or Engineer of record for the project, declare that the above listed firm or individual is

IN/Form.08 (Part 2) (Rev. 06/19/17)

designated by me to be responsible for the Structural Observation



CHECKED 9-11-17 17019 SHEET



REVISIONS