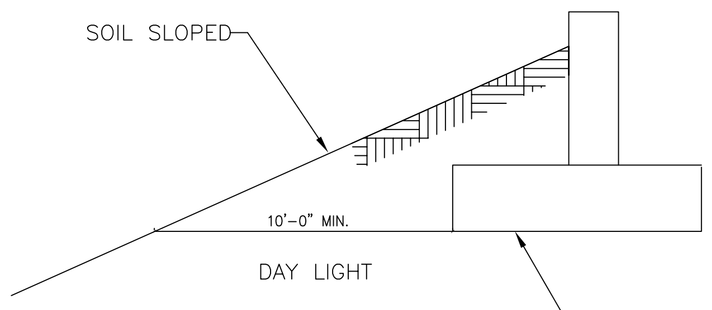
FOUNDATION:

1. ALL FOUNDATION RECOMMENDATIONS SHALL COMPLY WITH THE 2000 EDITION OF THE U.B.C.
2. FOOTINGS EXCAVATIONS SHALL BE KEPT FREE FROM LOOSE MATERIAL AND STANDING WATER PRIOR TO POURING CONCRETE, EXCAVATIONS SHALL BE CHECKED,
3. SUBMIT COMPACTION TEST REPORTS FOR ALL FILL BY A QUALIFIED TESTING LAB TO ARCHITECT AND BUILDING DEPARTMENT PRIOR TO REQUESTING FOUNDATION INSPECTION. ALL LOOSE AND FILL SOILS SHALL BE COMPACTED TO A MINIMUM OF 90% OF THE MAXIMUM SOIL DENSITY.
4. CONTRACTOR SHALL PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM SURFACE OR SEEPAGE WATER.
5. THE MAXIMUM ALLOWABLE SOIL BEARING PRESSURE SHALL BE:
   ALLOWBLE BEARING SOIL = 2000 psf IN CASE NO SOIL REPORT
   IN CASE THERE IS A SOIL REPORT SEE SOIL REPORT FOR SOIL BEARING CAPACITY
6. FOOTING ELEVATIONS INDICATED ARE ASSUMED TO BE IN SUITABLE BEARING SOIL.THE ACTUAL ADEQUACY OF THE BEARING SOIL SHALL BE VERIFIED PRIOR TO PLACING REINFORCEMENT.FOOTING



TYPICAL DETAIL SHOWING THE MINIMUM HORIZONTAL DISTANCE FROM THE FOOTING TO THE SLOPE FACE.

STEEL:

REINFORCING STEEL:

1. DETAILING, FABRICATION AND ERECTION OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE A.C.I MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (A.C.I 315).
2. BAR SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH THE PROVISIONS OF "BAR SUPPORT SPECIFICATIONS" BY THE CONCRETE REINFORCING STEEL INSTITUTE (C.R.S.I).
3. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
4. REINFORCING BARS SHALL CONFORM ASTM A615-60: GRADE 60 EXCEPT #3 AND #4 BARS SHALL BE GRADE 40.
5. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
6. LAP LENGTH AT BAR SPLICES IN CONCRETE SHALL BE:
   30 BAR DIA. (18" MIN.) FOR GRADE 40.
   36 BAR DIA. (18" MIN.) FOR GRADE 60.
7. LAP LENGTH AT BAR SPLICES IN MASONRY SHALL BE:
   40 BAR DIA. (18"MIN.) FOR ALL GRADES.
8. MINIMUM LAP LENGTH OF WELDED WIRE FABRIC SHALL BE 1' OR ONE FULL MESH PLUS 2", WHICHEVER IS GREATER.
9. SUBMIT SHOP DRAWINGS TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO ANY FABRICATION.

MATERIALS

ROLLED SHAPES A36
BOLTS A307
WELDS E70XX, PER AWS D1.1 SPECIFICATIONS
CONCRETE
REBAR fy= 40 KSI (#4 & SMALLER)
fy=60 KSI (#5 & LARGER)

CONCRETE

1. CEMENT SHALL CONFORM TO ASTM C150,TYPE II.
2. AGGREGATES SHALL CONFORM TO ASTM C33 FOR HARD ROCK CONCRETE, AND TO ASTM C330 FOR LIGHTWEIGHT CONCRETE. AGGREGATE SIZE SHALL BE 3/4".
3. READY MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C94.
4. APPROXIMATE DRY DENSITY SHALL BE 110 PCF FOR LIGHTWEIGHT CONCRETE AND 145 PCF FOR HARD ROCK CONCRETE. CONCRETE SHALL BE HARD ROCK.
5. ADMIXTURES MAY BE USED WIYH THE PRIOR APPROVAL OF THE ENGINEER. ADMIXTURES SHALL NOT REDUCE THE SPECIFIED MINIMUM COMPRESSIVE STRENGTH OF THE CONCRETE. (CALCIUM CHLORIDE SHALL NOT BE USED).
6. CONCRETE MIXES SHALL BE DESIGNED BY A QUALIFIED TESTING LABORATORY AND REVIEWED BY THE ENGINEER. MIX DESIGNS SHALL BE STAMPED AND SIGNED BY A CIVIL ENGINEER CURRENTLY REGISTERED IN CALIFORNIA.
7. MINIMUM CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE:
   CONCRETE PANEL.....3000 PSI
   CONTINUOUS FOOTINGS..... 2000 PSI
   SPREAD FOOTINS..... 2000 PSI
   SLAB ON GRADE..... 2000 PSI
8. WHERE NO ADMIXTURES ARE USED, SLUMP SHALL NOT EXCEED 3" FOR SLABS ON GRADE AND 4" FOR ALL OTHER CONCRETE WORK.
9. REFER TO ARCHITECTURAL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR ALL SLEEVES, INSERTS, MOLDS, GROOVES, ORNAMENTAL CLIPS,...ETC, TO BE CAST IN CONCRETE AND FOR EXTENT OF DEPRESSIONS,CURBS,..ETC.
10. NO CONDUITS OR PIPES PLACED IN THE SLAB SHALL HAVE AN OUTSIDE DIAMETER GREATER THAN 1/3 OF THE SLAB THICKNESS. NO CONDUITS OR PIPES SHALL BE PLACED IN A SLAB THAT IS LESS THAN 3.5" THICK. EXCEPT FOR LOCAL OFFSETS, MINIMUM CLEAR DISTANCE BETWEEN CONDUITS AND PIPES, PLACED IN CONCRETE, SHALL BE 6".
11. PROJECTING CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC, SHALL BE FORMED WITH A 3/4" CHAMFER.
12. ALL FORMWORK MUST BE CLEANED, INSPECTED AND APPROVED PRIOR TO PLACING REINFORCEMENT. ALL REINFORCING BARS, ANCHOR BOLTS AND INSERTS TO BE SECURED IN PLACE PRIOR TO POURING CONCRETE.
13. CURING COMPOUNDS USED ON CONCRETE THAT IS TO RECIEVE A RESILIENT TILE FINISH SHALL BE APPROVED BY THE ARCHITECT IN ADVANCE.
14. CONTRACTOR SHALL SUBMIT JOINT LAYOUT FOR CONCRETE WORK TO BE APPROVED BY THE ENGINEER PRIOR TO FABRICATION OF REINFORCING BARS. CONTROL JOINTS FOR INTERIOR SLABS ON GRADES SHALL NOT BE SPACED MORE THAN 24' IN ANY DIRECTION.
15. REINFORCING STEEL SHALL HAVE A CONCRETE COVER AS FOLLOWS:
   A) UNFORMED CONCRETE CAST AGAINST EARTH..... 3"
   BARS #6 AND LARGER..... 2"
   BARS #5 AND SMALLER..... 1.5"
   C) CONCRETE NEITHER IN CONTACT WITH EARTH NOR EXPOSED TO WEATHER: SLABS, WALLS AND JOISTS:
   BARS #14 AND LARGER..... 1.5"
   BARS #11 AND SMALLER..... 3/4"
   BEAMS AND COLUMNS (TO TIES)..... 1.5"
   UNPROTECTED COLUMNS (IN PARKING AREAS)..... 2.5"
   THE ABOVE COVERAGE VALUES SHOULD NOT BE EXCEEDED BY MORE THAN 50% OF THE SPECIFIED VALUE.
16. DOWELS FROM FOOTINGS AND SUPPORTS SHALL MATCH IN SIZE AND SPACING THE REINFORCEMENT OF WALLS AND COLUMNS.
17. CONCRETE WALLS SHALL BE REINFORCED WITH #4 @ 12" O/C EACH WAY CENTERED IN WALL.

GENERAL NOTES

1. IN CASE OF CONFLICT, SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES AND STANDARD DETAILS.
2. WHERE A DETAIL IS IDENTIFIED AS TYPICAL THE CONTRACTOR SHALL APPLY THIS DETAIL TO EVERY LIKE SITUATION, WHETHER OR NOT THE REFERENCE IS MADE IN EVERY INSTANCE.
3. ALL WORK THAT IS NEITHER SPECIFICALLY NOTED NOR SPECIFICALLY DETAILED, SHALL BE CONSTRUCTED IN ACCORDANCE WITH OTHER SIMILAR WORK SHOWN ON THE DRAWINGS AND/OR WITH TYPICAL DETAILS.
4. DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND TEMPORARY BRACING. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES AND BE RESPONSIBLE FOR THE SAFETY OF ALL PERSONS AND STRUCTURES AT THE VICINITY OF THE SITE. VISITS TO THE SITE BY THE ENGINEER SHALL NOT INCLUDE INSPECTION OF SUCH MEASURES.
5. ALL WORK SHALL CONFORM TO THE STANDARDS OF THE 1997 UNIFORM BUILDING CODE AS AMMENDED AND ADOPTED BY THE LATEST ORDINANCE OF THE CITY OF SAN DIEGO, AND OTHER REGULATING AGENCIES EXERCISING AUTHORITY OVER ANY PORTION OF WORK.
6. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY SITE CONDITIONS NOT REFLECTED ON THE DRAWINGS OR DIFFERENT FROM THE INDICATED MAXIMUM/MINIMUM DIMENSIONS, INCLUDING EARTH HEIGHT, CONFLICT IN GRADES, ADVERSE SOIL CONDITIONS....ETC.
7. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK, AND SHALL IMMEDIATELY NOTIFY THE ARCHITECT OF ANY DISCREPENCIES.
8. OPENINGS, POCKETS, ETC, SHALL NOT BE PLACED IN STRUCTURAL ELEMENTS UNLESS SPECIFICALLY INDICATED OR APPROVED BY THE ENGINEER.
9. TYPICAL BASIC DESIGN LOADS CRITEREA:

   VERTICAL LOADS:
   ROOF LIVE LOAD: FLAT ROOF.....20 PSF
   SLOPED ROOF.....16 PSF
   FLOOR LIVE LOAD, IF ANY :
   PRIVATE DECKS LIVE LOAD.....60 PSF
   PUBLIC AREAS LIVE LOAD.....100 PSF
   LIGHT WEIGHT STORAGE 125 PSF
   LATERAL LOADS:
   SEISMIC: ZONE FOUR , SOIL TYPE FACTOR S =1.5
   WIND : BASIC WIND SPEED = 70 MPH, WIND EXPOSURE:C
   SIMPLIFY STATIC
   Sd SOIL
   Ca = .44 Na
   SEISMIC SOURCE TYPE B <2km
   R = 5.5 FOR BUILDING
   R = 4.5 FOR O.R.M.F. IF ANY

ANY DISCRIPENCY IN THE DRAWNINGS DISCOVER BY THE CONTRCATOR AFTER THE CONSTRUCTION START. ITS THE CONTRACTOR RESPONSIBILTY TO DO FIX ON HIS OWN EXPENSES

CODE: 2000 EDITION OF THE UBC AND CBC 2001
SEISMIC ZONE: 4

PROJECT

PINNACLE REAL ESTATE HOLDINGS, INC.
RIVERSIDE COUNTY TRAVEL ZONE LLC
COO & CO-FOUNDER

BRAND:

ARCO
BP WEST COAST PRODUCTS, LLC

CASA ENGINEERING INC.
STRUCTURAL DESIGN AND ANALYSIS
7950 SILVERTON AVE.-SUITE 210
SAN DIEGO, CA. 92126
TEL: (858) 695-2761
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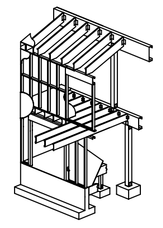

REGISTERED PROFESSIONAL ENGINEER
KAMEL A ZAYAT
C 052957
Exp.12-31-06
CIVIL
STATE OF CALIFORNIA

	FIRST SUBMITTAL	04-26-04

Sheet Title:
GENERAL NOTES

Date: 04-26-04
Scale:
Project Number: 05004
CAD File:

Sheet Number:
S-1
OF SHEETS