neoconix

715 N. PASTORIA AVENUE, SUNNYVALLE, CALIFORNIA 94085

LEGENDS

- EXISTING CONSTRUCTION TO REMAIN
- EXISTING CONSTRUCTION TO BE REMOVED
- NEW CONSTRUCTION
- PROPERTY LINE
- CENTER LINE
- COLUMN LINE
- DOOR MARK & NUMBER
- WINDOW MARK & NUMBER
- REVISION
- DATUM POINT
- SECTION
- DETAIL
- INTERIOR ELEVATION
- FINISH CODES
- ACOUSTIC TILE OR BOARD
- BRICK
- CERAMIC TILE
- CONCRETE
- CONCRETE BLOCK
- EARTH
- GLASS
- GLASS BLOCK
- GYPSUM BOARD
- INSULATION, BAIT
- INSULATION, RIGID
- METAL
- METAL LATH
- PLASTER
- PLYWOOD
- ROCK FILL
- SAND
- STONE
- WOOD, FINISH
- WOOD, FRAMING
- WOOD SHIM OR BLOCKING

ABBREVATIONS

ACOUS.	ACOUSTICAL	(N)	NEW
AL.	ALUMINIUM	N.I.C.	NOT IN CONTRACT
APPROX.	APPROXIMATE	NO.OR#	NUMBER
ARCH.	ARCHITECTURAL	N.T.S.	NOT TO SCALE
BD.	BOARD	O.C.	ON CENTER
BLDG.	BUILDING	O.D.	OUTSIDE DIAMETER(DIM.)
BLKG.	BLOCKING	OFF.	OFFICE
BOT.	BOTTOM	OPNG.	OPENING
CI.	CAST IRON	OPP.	OPPOSITE
CLG.	CEILING	PRCST.	PRE-CAST
CLO.	CLOSET	PL.	PLATE
CLR.	CLEAR	P. LAM.	PLASTIC LAMINATE
C.O.	CASED OPENING	PLAS.	PLASTER
COL.	COLUMN	PLYWD.	PLYWOOD
CONC.	CONCRETE	PT.	POINT
CONSTR.	CONSTRUCTION	P.T.D.	PAPER TOWEL DISPENSER
CONT.	CONTINUOUS	P.T.D./R.	COMBINATION PAPER TOWEL DISPENSER & RECEPTACLE
DEPT.	DEPARTMENT	P.T.R.	PAPER TOWEL RECEPTACLE
DET.	DETAIL	RAD.	RADIUS
DIA.	DIAMETER	R.D.	ROOF DRAIN
DIM.	DIMENSION	REF.	REFERENCE
DN.	DOWN	REFR.	REFRIGERATOR
DISP.	DISPENSER	RGTR.	REGISTER
D.S.	DOWNSPOUT	REINF.	REINFORCED
DWG.	DRAWING	REQD.	REQUIRED
EA.	EACH	RM.	ROOM
EL.	ELEVATION	R.O.	ROUGH OPENING
ELEC.	ELECTRICAL	RWD.	REDWOOD
ELEV.	ELEVATOR	R.W.L.	RAIN WATER LEADER
ENCL.	ENCLOUSURE	S.C.	SOLID CORE
EQ.	EQUAL	S.C.D.	SEAT COVER DISPENSER
EXIST.	EXISTING	SCHED.	SCHEDULE
EXT.	EXTERIOR	S.D.	SOAP DISPENSER
F.D.	FLOOR DRAIN	SECT.	SECTION
F.E.	FIRE EXTINGUISHER	SH.	SHELF
F.E.C.	FIRE EXTINGUISHER CABINET	SHR.	SHOWER
F.H.C.	FIRE HOSE CABINET	SHT.	SHEET
FIN.	FINISH	SIM.	SIMILAR
FL.	FLOOR	S.N.D.	SANITARY NAPKIN DISPENSER
FLOUR.	FLOURESCENT	S.N.R.	SANITARY NAPKIN RECEPTACLE
F.O.C.	FACE OF CONCRETE	SPEC.	SPECIFICATION
F.O.F.	FACE OF FINISH	SQ.	SQUARE
F.O.S.	FACE OF STUDS	S.ST.	STAINLESS STEEL
FT.	FOOT OR FEET	S.SK.	SERVICE SINK
FTG.	FOOTING	STD.	STANDARD
FURR.	FURRING	STL.	STEEL
GA.	GAUGE	STOR.	STORAGE
GALV.	GALVANIZED	STRL.	STRUCTURAL
G.B.	GRAB BAR	SUSP.	SUSPENDED
GL.	GLASS	SYM.	SYMMETRICAL
GYP.	GYPSUM	T.B.	TOWEL BAR
H.B.	HOSE BIBB	T.C.	TOP OF CURB
H.C.	HOLLOW CORE	TEL.	TELEPHONE
HDWD.	HARDWOOD	T. & G.	TONGUE & GROOVE
H.M.	HOLLOW METAL	THK.	THICK
HORIZ.	HORIZONTAL	T.P.D.	TOILET PAPER DISPENSER
HR.	HOUR	T.V.	TELEVISION
HT.	HEIGHT	T.W.	TOP OF WALL
I.D.	INSIDE DIAMETER (DIM.)	TYP.	TYPICAL
INSUL.	INSULATION	U.O.N.	UNLESS OTHERWISE NOTED
INT.	INTERIOR	VERT.	VERTICAL
JT.	JOINT	V.I.F.	VERIFY IN FIELD
KIT.	KITCHEN	W/	WITH
LAV.	LAVATORY	W.C.	WATER CLOSET
LT.	LIGHT	WD.	WOOD
MAX.	MAXIMUM	W/O.	WITHOUT
MECH.	MECHANICAL	WP.	WATERPROOF
MET.	METAL	WT.	WEIGHT
MFR.	MANUFACTURER		
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
MTD.	MOUNTED		

GENERAL NOTES

1. AIA DOCUMENT A201, GENERAL CONDITIONS FOR THE PERFORMANCE OF A CONTRACT, ARE HEREBY INCORPORATED INTO THESE DRAWINGS AND SHALL BE CONSIDERED AS PART OF THE REQUIREMENTS FOR THE COMPLETION OF THE WORK.
2. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH ALL APPLICABLE CURRENT ADOPTED APPLICABLE BUILDING, MECHANICAL, PLUMBING, ELECTRICAL & FIRE CODES, BY THE CITY &/OR COUNTY, ADA FOR ACCESSIBILITY REQUIREMENTS.
3. ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO START OF CONSTRUCTION
4. SUBSTITUTIONS, REVISIONS, OR CHANGES MUST HAVE PRIOR APPROVAL BY THE ARCHITECT/ENGINEER.
5. HORIZONTAL DIMENSIONS SHOWN ARE TO FACE OF STUDS AND ACTUAL DOOR OPENING WIDTH, UNLESS OTHERWISE NOTED. DIMENSIONS TAKE PRECEDENCE OVER SCALE OF THE DRAWINGS.
6. THE GENERAL CONTRACTOR SHALL THOROUGHLY EXAMINE THE PREMISES AND SHALL BASE HIS BID ON THE EXISTING CONDITIONS. THE CONTRACTORS SHALL NOTIFY ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES IN FIELD CONDITIONS.
7. THE GENERAL CONTRACTOR AND SUBCONTRACTORS SHALL PURCHASE AND MAINTAIN CERTIFICATES OF INSURANCE WITH RESPECT TO WORKMAN COMPENSATION, PUBLIC LIABILITY AND PROPERTY DAMAGE FOR THE LIMITS AS REQUIRED BY LAW. THE CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR INITIATING MAINTAINING, AND SUPVISING ALL SAFETY PRECAUTIONS FOR ALL PERSONS AND PROPERTY IN CONNECTION WITH THE WORK
8. NO WORK DEFECTIVE IN CONSTRUCTION OR QUALITY OR DEFICIENT IN ANY REQUIREMENT OF THE DRAWINGS OR NOTES WILL BE ACCEPTABLE IN CONSEQUENCE OF THE OWNER'S OR ARCHITECT'S FAILURE TO DISCOVER OR POINT OUT DEFECTS OR DEFICIENCIES DURING CONSTRUCTION. DEFECTS OF THE DATE OF ACCEPTANCE, OR MORE AS OTHERWISE SPECIFIED BY REQUIRED GUARANTEES, SHALL BE REPLACED BY CONFORMING WITH THE INTENT OF THE CONTRACT AT NO COST TO THE OWNER.NO PAYMENT, EITHER PARTIAL OR FINAL, SHALL BE CONSTRUED AS AN ACCEPTANCE OF DEFECTIVE WORK OR IMPROPER MATERIALS.
9. THE CONTRACTOR SHALL PREPARE SURFACES TO RECEIVE FINISHES, PATCH ALL EXISTING WORK ALTERED BY NEW WORK. ALL NEW AND PATCHED SURFACES SHALL BE SMOOTH, CONTINUOUSLY FREE OF IMPERFECTIONS AND IN PROPER CONDITION TO RECEIVE THE FINISH AS SPECIFIED. IN PATCHED AREAS OR ANY AREA WHERE A FINISH IS NOT SPECIFIED THEY SHALL MATCH ADJACENT MATERIAL IN CONSTRUCTION, COLOR, FINISH AND TEXTURE.
10. UPON SUBMITTAL OF THE FINAL CONSTRUCTION COSTS, THE GENERAL CONTRACTOR SHALL ALSO SUBMIT A SPECIFIED CONSTRUCTION SCHEDULE INDICATING THE REQUIRED CONSTRUCTION TIME FOR ALL SUBCONTRACTORS' AND GENERAL CONTRACTORS' WORK.
11. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PAYMENT AND OBTAINING ALL PERMITS REQUIRED FOR A COMPLETE PROJECT.
12. ALL PARTITIONS SHALL BE BRACED PER THE REQUIREMENTS OF LOCAL SEISMIC CODE OR AS DETAILED
13. THE GENERAL CONTRACTOR SHALL COORDINATE INSTALLATION OF THE NOT IN CONTRACT ITEMS WITH OTHER TRADES.
14. THE CONSTRUCTION SITE SHALL BE MAINTAINED IN AN ORDERLY MANNER AT ALL TIMES WITH ALL DEBRIS REMOVED AT THE END OF EACH DAY. LEAVE ALL SURFACES WITHIN CONSTRUCTION SITE FREE FROM DUST, DIRT AND STAINS.
15. THE CONTRACTOR SHALL REPAIR OR REPLACE ANY SURFACES OF ITEMS DAMAGED BY CONSTRUCTION TO THE SATIFICATION OF THE OWNER AND THE ARCHITECT.
16. FIRE DEPARTMENT ACCESS AND WATER TO SITE SHALL BE MAINTAINED DURING CONSTRUCTION.
17. AT THE COMPLETION OF CONSTRUCTION, REMOVE ALL EXCESS MATERIAL AND REFUSE FROM SITE. LEAVE ALL SURFACES WITHIN CONSTRUCTION SITE FREE FROM DUST, DIRT AND STAINS. WINDOWS SHALL BE WASHED.
18. THE CONTRACTOR SHALL PROVIDE AS BUILT DRAWINGS AFTER COMPLETION OF CONSTRUCTION TO ARCHITECT.

DESIGN CODES

CALIFORNIA BUILDING CODE 2001 (CBC 2001)
CALIFORNIA MECHANICAL CODE 2001 (CMC 2001)
CALIFORNIA PLUMBING CODE 2001 (CPC 2001)
CALIFORNIA ELECTRICAL CODE 2001 (CEC 2001)

PROJECT SUMMARY

THE PROJECT CONSIST OF 852.00 SQ. FT. OF NEW EQUIPMENT CONCRETE PAD WITH RAMP AND SECONDARY CONTAINMENT AREA.

VICINITY MAP

SITE AND BUILDING DATA

OWNER:	N E O C O M I X 715 N. PASTORIA AVENUE, SUNNYVALLE, CA 94085 TEL (408) 530 - 9393
ADDRESS OF BUILDING:	715 N. PASTORIA AVENUE, SUNNYVALLE, CA 94085
SPRINKLERED	YES
TYPE OF CONSTRUCTION	III-N
LOT SIZE:	28,459.00 SFT
EXISTING BUILDING AREA	11,390.00 SQ. FT.
EXISTING LOT COVERAGE	40.00%
NEW EQUIPMENT PAD	852.00 SQ. FT.
TOTAL BUILDING AREA (NEW+ EXISTING)	12,242.00 SQ. FT.
PROPOSED LOT COVERAGE	43.00% (3% OUTSIDE STORAGE)
CURRENT PARKING SPACES REQUIRED	23 (1 PARKING PER 500 SFT BUILTUP AREA)
PARKING SPACING REQUIRED WITH PROPOSED ADDITION	25
PARKING SPACES AVAILABLE	30

SITE PLAN GENERAL NOTES

LOT DIMENSIONS BASED ON INFORMATION PROVIDED BY THE OWNER. LOT BOUNDARIES WERE NOT SURVEYED. BUILDING FOOTPRINT WAS NOT SURVEYED. CONTRACTOR TO FIELD VERIFY EQUIPMENT PAD FINISH FLOOR ELEVATION TO MATCH EXISTING PARKING LOT AC PAVEMENT ELEVATION. NO REGRADING WILL BE REQUIRED EXCEPT MINIMAL AT JOINT BETWEEN EXISTING TO NEW CONCRETE EQUIPMENT PAD DRAIN SLOPE.

INDEX OF DRAWINGS

SHEET	DESCRIPTION
A-1	TITLE SHEET
A-2	SITE PLAN
A-3	EQUIPMENT LAYOUT
A-4	FOUNDATION/ROOF FRAMING PLAN/ELEVATIONS
A-5	SECTION AND DETAILS
A-6	NOTES

Designer

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Project Title

EQUIPMENT AND SECONDARY CONTAINMENT AREA

715 N. PASTORIA AVENUE,
SUNNYVALLE, CA 94085

Seal

Sheet

TITLE SHEET

Drawn by: PAUL T LUNANUC

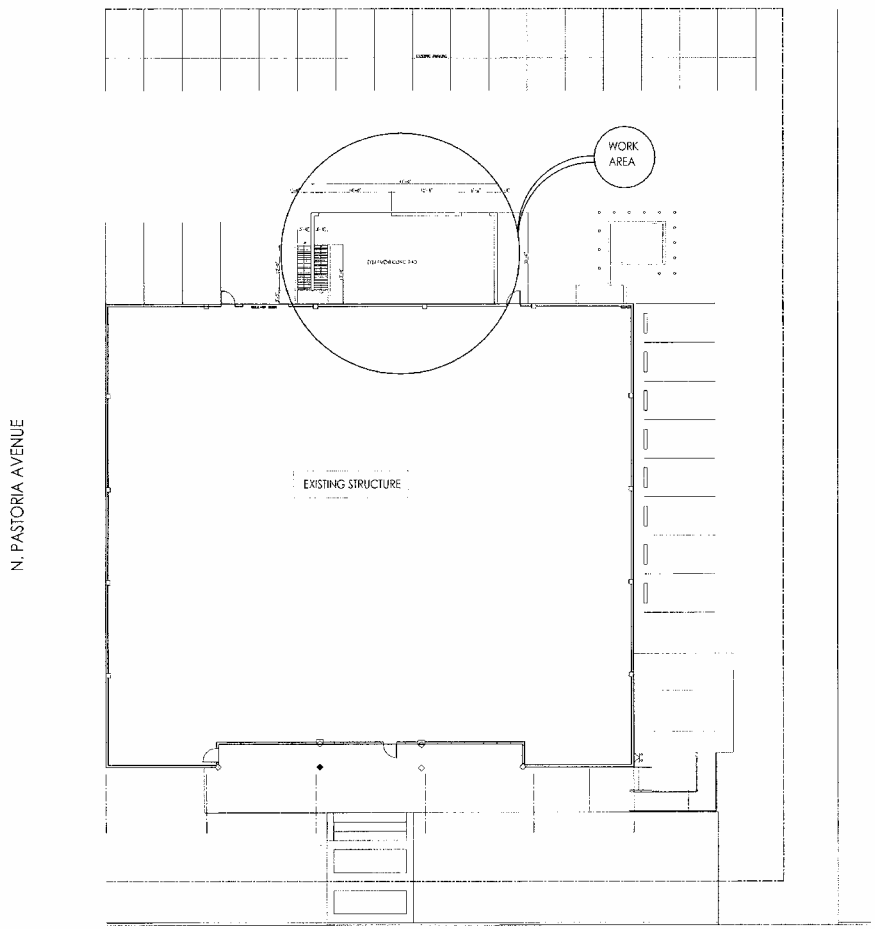
Checked by

Project No: 05- 03

Sheet: A-1

ATTACHMENT D

Page 1 of 6



SITE PLAN
SCALE 1/8" = 1'-0"

NOTE:

TOTAL NUMBER OF PARKING = 30

ATTACHMENT D
Page 2 of 6

Designer

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Project Title

EQUIPMENT
AND SECONDARY
CONTAINMENT
AREA

715 N. PASTORIA AVENUE,
SUNNYVALLE, CA 94085

Seal

Sheet

SITE PLAN

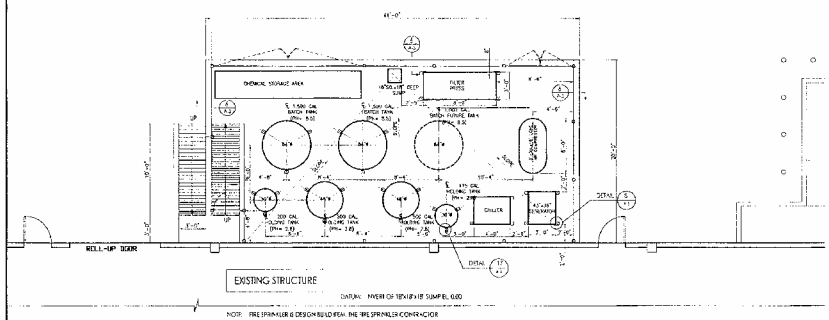
Date	Issued for	By
05-03-05	Permit	

Drawn by PAUL F. LEWANDS

Checked by RAMAN PATEL

Project No. 05-03

Sheet No. A-2

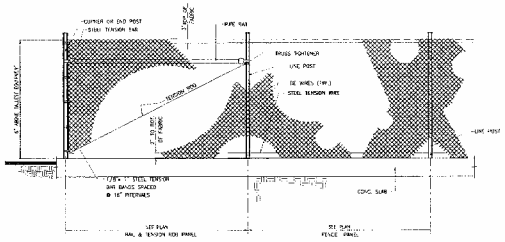


DATUM: INVERT OF 18"x18"x18" SUMP EL. 0.00

NOTE: FIRE SPRINKLER & DESIGN BUILD FEAT. THE FIRE SPRINKLER CONTRACTOR SHALL SUBMIT PLANS FOR FIRE SPRINKLER AND OBTAIN PERMIT.

EQUIPMENT PAD & LAYOUT PLAN

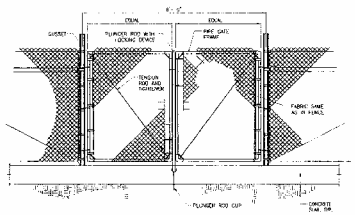
SCALE 1/4" = 1'-0"



NOTE: FENCE SLATS NOT SHOWN FOR CLARITY, SEE NOTE 1.

TYP. FENCE ELEVATION (1)

SCALE 1/2" = 1'-0"

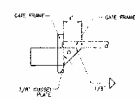


0.0 x 8"

NOTE: FENCE SLATS NOT SHOWN FOR CLARITY, SEE NOTE 1.

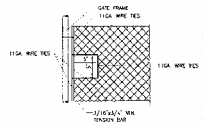
TYP. GATE ELEVATION (2)

SCALE 1/2" = 1'-0"



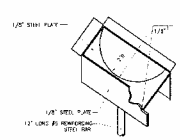
TYP. GUSSET DETAIL (3)

NO SCALE



CUT-OUT FOR CHAIN & LOCK DETAIL (4)

NO SCALE



PLUNGER ROD CAP DETAIL (5)

NO SCALE

NOTES:

1. FENCE SHALL BE AS MANUFACTURED BY MASTER HALCO, 1704 PINHOLE ROAD, EDGEWOOD, MD 21040.
2. ENTIRE FENCE TO HAVE ENVIRONMENT GREEN COLOR SLATS.
3. MATERIAL
   FRAMING
   POSTS 1¾x4x1/4
   CHAIN LINK FABRIC - 2" MESH WOVEN FROM 11GA. WIRE
   FENCE SLATS - TABULAR POLYETHYLENE SLATS.
   ENVIRONMENTAL GREEN COLOR
4. SEE DRAWING A4 FOR POST DETAILS.
5. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT, 1994 UBC SECTION 1004.3.

ATTACHMENT D
Page 3 of 6

Designer

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Project Title

EQUIPMENT AND SECONDARY CONTAINMENT AREA

715 N. PASTORIA AVENUE,
SUNNYVALLE, CA 94085

Seal

Sheet

EQUIPMENT PAD FLOOR PLAN SECTION & DETAILS

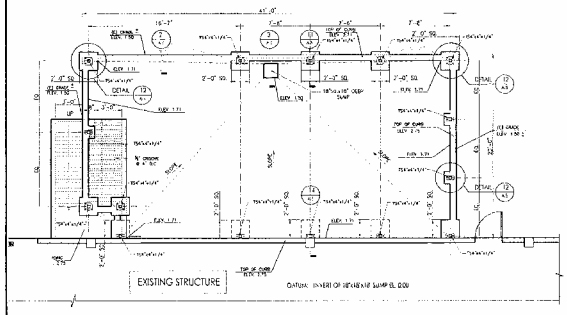
Date	Issued for	By
02.03.05		

Drawn by: PAUL T. LUNARIC

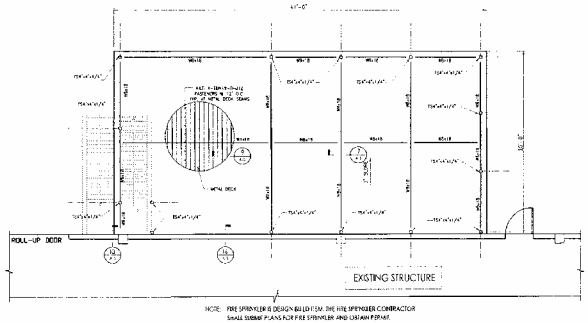
Checked by: RAMON PAREL

Project No. 05-03

Sheet No. A-3

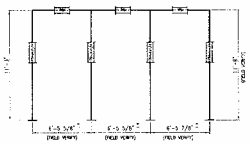


EQUIPMENT PAD FOUNDATION PLAN
SCALE 1/4" = 1'-0"

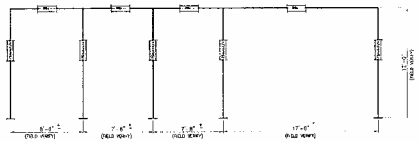


NOTE: FIRE SPRINKLER IS DESIGN BUILD ITEM. THE FIRE SPRINKLER CONTRACTOR SHALL SUBMIT PLANS FOR FIRE SPRINKLER AND UNDAIN PERMIT.

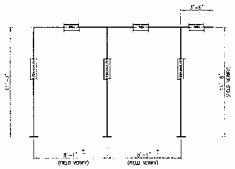
EQUIPMENT PAD ROOF FRAMING PLAN
SCALE 1/4" = 1'-0"



STEEL FRAME ELEVATION 1 A-4
SCALE 1/4" = 1'-0"



STEEL FRAME ELEVATION 2 A-4
SCALE 1/4" = 1'-0"



STEEL FRAME ELEVATION 3 A-4
SCALE 1/4" = 1'-0"

ATTACHMENT D
PAGE 4 of 6

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Project Title

EQUIPMENT
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AREA

715 N. PASTORIA AVENUE,
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Sheet

FOUNDATION PLAN
ROOF FRAMING PLAN
SECTION & DETAILS

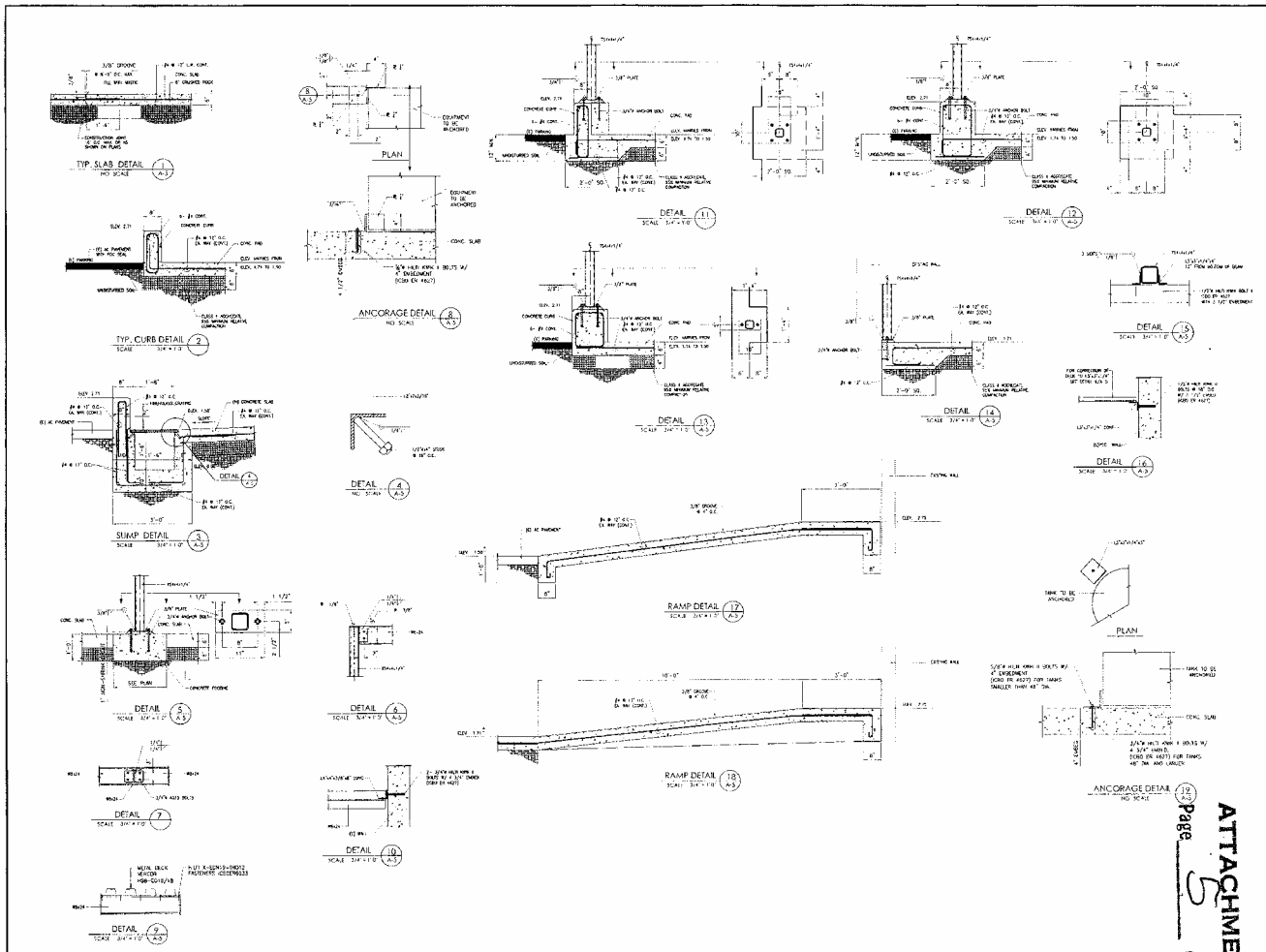
Date	Issued for	By
05-03-05	Permit	

Drawn by PAUL T. LIMANTE

Checked by RAMAN PATEL

Project No. 05- 03

Sheet No. A-4



Designer

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Project Title

EQUIPMENT AND SECONDARY CONTAINMENT AREA

715 N. PASTORIA AVENUE,
SUNNYVALLE, CA 94085

Seal

Sheet

SECTION & DETAILS

Date	Issued for	By
01-10-05	PERMIT	

Drawn by PAUL T. LUBANUC

Checked by HARRY PATEL

Project No. 05-03

Sheet No. A-5

ATTACHMENT D
Page 5 of 6

GENERAL

1. THE FOLLOWING NOTES AND TYPICAL DETAILS APPLY TO ALL DRAWINGS UNLESS NOTED OTHERWISE.
2. DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED SUBJECT TO REVIEW BY THE ENGINEER.
3. STRUCTURAL MEMBERS ARE DESINGED TO SUPPORT DEAD LOADS AND OPERATIONAL LIVE LOADS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NECESSARY SHORING & BRACING WHERE THE CONSTRUCTION LOAD WILL EXCEED THE DESIGN LIVE LOAD.
4. ALL CONSTRUCTION AND WORKMANSHIP SHALL CONFORM TO THE DRAWINGS, AND THE 2001 CALIFORNIA BUILDING CODE OR LOCAL CODE WHICHEVER IS MORE RESTRICTIVE.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK OF ALL TRADES AND SHALL CHECK ALL DIMENSIONS. DO NOT SCALE DRAWINGS. ALL DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT AND BE RESOLVED BEFORE PROCEEDING WITH THE WORK.
6. THE CONTRACT DRAWINGS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE SHOWN, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL SUPERVISE AND DIRECT THE WORK AND HE SHALL BE SOLELY RESPONSIBLE FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, AND PROCEDURES.
7. ALL ERECTION PROCEDURES SHALL CONFORM THE OSHA STANDARDS. DEVIATION MUST BE APPROVED BY OSHA PRIOR TO ERECTION.
8. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES.

DESIGN, MATERIALS, EQUIPMENT AND PRODUCTS OTHER THAN THOSE DESCRIBE BELOW OR INDICATED ON THE DRAWINGS MAY BE CONSIDERED FOR USED, PROVIDED PRIOR APPROVAL IS OBTAINED FROM THE ENGINEER, AND THE APPLICABLE GOVERNING CODE AUTHORITY.

FOUNDATION

1. FOUNDATIONS SHALL BE OF THE SIZE AND TYPE AS INDICATED ON THE DRAWINGS.
2. ALL EXISTING FILL SOIL AND DISTURBED NATURAL SOILS ARE TO BE EXCAVATED AND REPLACED WITH PROPERLY COMPACTED FILL.
3. ALL EXCAVATIONS ARE TO BE INSPECTED AND APPROVED BY A SOILS ENGINEER PRIOR TO PLACEMENT OF ANY FILL OR REINFORCING STEEL.

CONCRETE

1. CONCRETE SHALL CONFORM TO THE CURRENT EDITION OF THE AMERICAN CONCRETE INSTITUTE (ACI) " SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS".

   CONCRETE SHALL BE READY-MIXED TYPE CONFORMING TO UBC STANDARD 26-13-8. CONCRETE SHALL HAVE NOT LESS THAN SIX (6) SACKS OF CEMENT PER CUBIC YARD OF CONCRETE. AT TWENTY EIGHT (28) DAYS, CONCRETE SHALL DEVELOP COMPRESSIVE STRENGTH (F'c) OF 3,000 PSI. THE SLUMP SHALL NOT EXCEED 4 INCHES WHEN PLACED. THE MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED 3/4 INCH FOR SLAB-ON-GRADE, WALLS AND COLUMNS, AND 1 1/2 INCHES FOR FOOTINGS, PIERS AND GRADE BEAMS.
2. CONCRETE SHALL BE REGULAR WEIGHT, WITH HARD-ROCK TYPE AGGREGATE (150 LB/CFT) AGGREGATE SHALL CONFORM TO AMERICAN SOCIETY FOR MATERIALS AND TESTING (ASTM) C33. CEMENT SHALL CONFORM TO ASTM C150. TYPE 2.
3. CONCRETE SHALL BE MACHINE MIXED AND DELIVERED TO THE SITE IN ACCORDANCE WITH ASTM C-94.
4. CONCRETE PLACEMENT SHALL BE IN ACCORDANCE WITH AMERICAN CONCRETE INSTITUTE (ACI) 301.
5. PROVIDE MINIMUM CLEAR COVER OF CONCRETE OVER REINFORCEMENT AS INDICATED BELOW.

   AGAINST EARTH FORM: .... 3 INCHES
   EXPOSED TO EARTH BUT POURED AGAINST
   FORM WORK & BOTTOM OF SLAB ON GRADE. .... 2 INCHES
   ALL OTHER CONCRETE: .... 1 1/2 INCHES
6. EXCEPT 6 INCH OR LESS THICK SLAB-ON-GRADE, ALL FILL CONCRETE SHALL BE MECHANICALLY VIBRATED TO ELIMINATE VOIDS AND COMPLETELY FILL THE FORMS WITHOUT CAUSING UNDUE SEPARATION.
7. DOWELS SHALL MATCH MAIN REINFORCEMENT IN SIZE AND SPACING. PROVIDE MINIMUM 40 BAR DIAMETER LAP, UNLESS OTHERWISE NOTED.

   SLAB-ON-GRADE. AT LIVING AREAS, PLACE SLAB ON 2 INCHES OF COMPACTED CLEAN AND OVER 6 MIL. VAPOR BARRIER OVER 6 INCHES OF CLEAN, FREE-DRAINING CRUSHED ROCK JUST PRIOR TO CONCRETE PLACEMENT, DAMPEN SAND WITH WATER.

   CURING: WITHIN SEVEN DAYS OF PLACEMENT, CONCRETE SURFACEDS EXPOSED TO THE ATMOSPHERE SHALL BE PROTECTED AND CURED BY DAMPENING WITH WATER AS NECESSARY, UNTIL THE SPECIFIED DESIGN STRENGTH IS ACHIEVED.
10. INTERIOR SLABS SHALL HAVE STEEL TROWEL FINISH, EXTERIOR SLABS SHALL HAVE LIGHT BROOM FINISH.
11. SPECIAL INSPECTION PER UBC SECTION IS REQUIRED

SPECIAL INSPECTION

1. PROVIDE STRUCTURAL INSPECTION AND TESTING FOR ALL ITEMS AS REQUIRED BY THE 1997 UNIFORM BUILDING CODE.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETAINING AN INDEPENDENT TESTING LAB TO PERFORMED ALL REQUIRED TESTING AND SPECIAL INSPECTION.
3. THE FOLLOWING SPECIAL ITEMS SHALL BE INSPECTED AND /OR TESTED BY THE TESTING LAB:
   A. ANCHOR BOLTS

CONCRETE REINFORCEMENT AND ACCESSORIES

1. REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615, GRADE 40 FOR NO. 5 AND SMALLER DIAMETER BARS AND GRADE 60 FOR LARGER THAN NO.5 BARS BAR DEFORMATION SHALL BE IN ACCORDANCE WITH ASTM-305.

   WELDED WIRE FABRIC (WWF) SHALL CONFORM TO ASTM A185. PROVIDE A MINIMUN 6 INCHES LAP AT JOINTS.

   DO NOT WELD REINFORCEMENT.
2. REINFORCING BARS SHALL BE LAPPED AS INDICATED. PROVIDE MINIMUM LAP EQUAL TO 40 TIMES THE DIAMETER OF REINFORCING BARS AT SPLICES, AND STAGGERED SPLICES.
3. ALL HOOKS SHALL BE STANDARD HOOKS UNLESS NOTED OTHERWISE. ALL COLUMN, BEAM AND PILASTER TIES SHALL HAVE A 135 MINIMUM TURN PLUS 4 INCH EXTENSION TO THE FREE END
4. PROVIDE REINFORCING BARS AT MID HEIGHT IN SLABS-ON-GRADE AND AS SHOWN ON THE DRAWINGS.
5. ANCHOR BOLTS SHALL BE MACHINE BOLTS A 307 WITH AMERICAN STANDARD REGULAR, SEMI-FINISHED, SQUARE OR HEXAGON HEADS. NUTS SHALL BE AMERICAN STANDARD HEAVY, SEMI-FINISHED, HEXAGON-TAPPED, UNC THREADED, CLASS B.

   UNLESS OTHERWISE NOTED ON SHEAR WALL SCHEDULE, SILL PLATE BOLTS SHALL BE 5/8 INCH DIAMETER BY 10 INCHES LONG WITH A 2-INCH HOOK AND SPACED 4 FEET ON CENTERS. PROVIDE SILL BOLTS AT A DISTANCE OF 6 INCHED FROM EACH END OF THE SHEAR WALL, CORNER AND SPLICE. PROVIDE A MINIMUM OF 2 BOLTS PER SILL PLATE.
6. CONCRETE ACCESSORIES. ADHESIVE ANCHORS (HVA ADHESIVE ANCHOR), EXPANSION BOLTS (HSL HEAVY DUTY EXPANSION ANCHOR), AND POWDER-DRIVEN FASTENERS SHALL BE AS MANUFACTURED BY HILTI, INC. TULSA, OK. OR APPROVED EQUIVALENT. THESE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS WRITTEN INSTRUCTIONS.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL FABRICATION AND ERECTION SHALL CONFORM TO THE AISC SPECIFICATIONS FOR STRUCTURAL STEEL BUILDING, ALLOWABLE DESIGN AND PLASTIC DESIGN, 9TH EDITION.
2. STEEL FABRICATION DRAWING SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW FABRICATION SHALL NOT COMMENCE UNTIL THE SHOP DRAWINGS ARE REVIEWED BY THE ENGINEER.
3. UNLESS NOTED OTHERWISE, ALL SHAPES AND PLATES SHALL CONFORM TO ASTM A36.
4. TUBULAR STEEL SHALL CONFORM TO ASTM A500 GRADE B.
5. STEEL PIPE FOR STRUCTURAL USE SHALL CONFORM TO ASTM A53, GRADE B.
6. HIGH STRENGHT BOLTS SHALL CONFORM TO ASTM A325 "SLIP CRITICAL" CLASS A. FULLY TENSIONED AT ALL APPLICATION. NUTS FOR HIGH STRENGHT BOLTS SHALL BE HEAVY HEX, GRADE C, CONFORMING TO ASTM A563. WASHERS SHALL CONFORM TO ASTM F436.
7. MACHINE BOLTS SHALL CONFORM TO ASTM A307.
8. ALL WELDING SHALL CONFORM AWS D11-90. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS. FULL TIME INSPECTION OF ALL FULL PENETRATION WELDS EXCEPT FILLET WELD AND MINOR TAB WELDS IS REQUIRED.
9. INSPECTION REPORT AND CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED TO THE ENGINEER.
10. ANY MODIFICATION OF FRAMING SHALL BE SUBJECT TO THE ENGINEER'S APPROVAL.

STEEL DECK AND SHEAR STUDS

1. DECK PANELS ARE TO BE THREE- SPAN CONTINUOUS WHEREVER POSSIBLE, ONE- SPAN ONLY WHERE UNAVOIDABLE. DECKING AND ALL ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS HAVING A MINIMUM YIELD STRENGTH OF 33,000 PSI AND CONFORMING TO ASTM A446, GRADE A. THE STEEL SHALL HAVE A METAL PROTECTIVE COATING OF ZINC CONFORMING TO ASTM A525, CLASS G60.
2. SECTIONS, EDGE FORMS AND FLASHINGS ARE EXPECTED TO SPAN WITHOUT SHORING. IF SHORING IS DESIRED TO PREVENT EXCESSIVE DEFLECTIONS, CONTRACTOR SHALL PROVIDE SHORING AT NO EXTRA EXPENSE. CONTRACTOR MAY USE A HEAVIER GAUGE TO AVOID SHORING.
3. WELD STEEL DECK TO SUPPORTS AS FOLLOWS (SHEAR CONNECTORS MAY BE SUBSTITUTED FOR WELDS ON A ONE-TO-ONE BASIS)
   a. PUDDLE WELDS EFFECTIVE FUSION DIAMETER OF 1/2" AT EACH FLUTE AT EACH INTERMEDIATE SUPPORT SUPPORT AND EACH SHEET END.
   b. 1 1/2" SEAM WELDS AT 24" OC AT SIDE SEAMS. BUTTON PUNCHING PERMITTED AS ALTERNATE AT 12" O.C.
   c. PUDDLE WELDS WITH EFFECTIVE FUSION DIAMETER OF 1/2" AT 12" O.C. AT ALL PANELS SIDES LANDING ON BEAMS PARALLEL TO FLUTES. WHERE FLUTES WOULD NOT LAND ON SIDE SUPPORTS, CUT SHEET AND PROVIDE CLOSURE PLATES WITH SAME WELDS.
4. ALL EDGEFORMS, CLOSURE PLATES, FLASHINGS, ETC... IF NOT NOTED, SHALL BE 16 GAUGE MINIMUM. SEE STEEL DECK DETAILS.
5. MINIMUM BEARING OF DECKING ON SUPPORTS SHALL BE 2 INCHES.
6. PROVIDE CLOSURE ANGLES (16 GAUGE MINIMUM) AROUND ALL COLUMNS AS NECESSARY TO SUPPORT STEEL DECK AND CONCRETE FILL.
7. SHEAR STUDS SHALL CONFORM TO ASTM A108, EQUAL TO NELSON GRANULAR FLUX-FILLED HEADED ANCHOR STUDS.
8. PROVIDE ONE (1) SHEAR CONNECTOR PER FOOT ON ALL FRAME BEAMS AND COLLECTOR BEAMS. SEE PLANS FOR FRAME AND COLLECTOR BEAM LOCATIONS. ALSO PROVIDE ONE (1) SHEAR CONNECTOR AT 24" ON CENTER ON ALL NON FRAME BEAMS IF NUMBER OF CONNECTORS ARE NOT INDICATED ON PLANS

EXPANSION ANCHORS

1. HOLE DIAMETER TO BE PER MANUFACTURER'S RECOMMENDATIONS. PRIOR TO INSTALLING DOWELS, HOLES SHALL BE WIRE BRUSHED TO REMOVE RESIDUE, THEN BLOW OUT WITH OIL- FREE COMPRESSED AIR.
2. THE CONTRACTOR SHALL TAKE MEASURES TO COORDINATE THE CONTRUCTION SUCH THAT INTERFERENCE OF REINFORCING STEEL AND POST TENSION TENDONS WITH CONCRETE ANCHOR PLACEMENT DOES NOT OCCUR. LOCATE EXISTING REINFORCING STEEL AND POST TENSION TENDONS PRIOR TO DRILLING FOR (N) ANCHORS OR DOWELS. ADJUST LOCATION OF NEW ANCHORS OR DOWELS TO MISS EXISTING REINFORCING STEEL AND TENDONS. DO NOT DAMAGE EXISTING REINFORCING STEEL AND TENDONS.
3. THE TESTING LABORATORY SHALL PERFORM TENSION TEST ON 25% OF ALL ANCHORS ANCHORS WHICH FAIL SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. IF MORE THAN 10% OF THE TESTED ANCHORS FROM ANY DAYS WORK FAIL TO ACHIEVE THE SPECIFIED TEST LOAD, THE TESTING LABORATORY SHALL TEST 100% OF THE ANCHORS INSTALLED ON THAT DAY.
4. TEST LOAD AND EMBEDMENT FOR HILTI KWIK BOLT II ANCHOR IN NORMAL WEIGHT CONCRETE fc = 3000 psi

ANCHOR DIAMETER	TEST LOAD	EMBEDMENT	MAX. TIGHTENING TORQUE
1/2"ø	3, 250 LBS.	3 1/2"	30 FT-LBS.
5/8"ø	4, 400 LBS.	4"	75 FT-LBS.
3/4"ø	6, 000 LBS.	4 3/4"	150 FT-LBS.
1"ø	9, 600 LBS.	6"	200 FT-LBS.

5. MAXIMUM EMBEDMENT IN EXISTING BUILDING SLAB IS 3 1/2".

ATTACHMENT D
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Seal

Sheet

NOTES

Date	Issued for	By
01.02.05	PERMIT	

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Project No.: 05-03

Sheet No.: A-6