DIAPHRAGM (2/S2)

ROOF SHEATHING : 1/2" CDX PLYWOOD UNBLOCKED W/ 8D NAILS @ 6", 6", 12" OC @ BOUNDARY, EDGE & FIELD. PANEL SPAN RATING 32/16.

FLOOR SHEATHING : 5/8" T&G PLYWOOD UNBLOCKED W/ 10D NAILS @ 6", 6", 10" OC @ BOUNDARY, EDGE & FIELD. PANEL SPAN RATING 40/20.

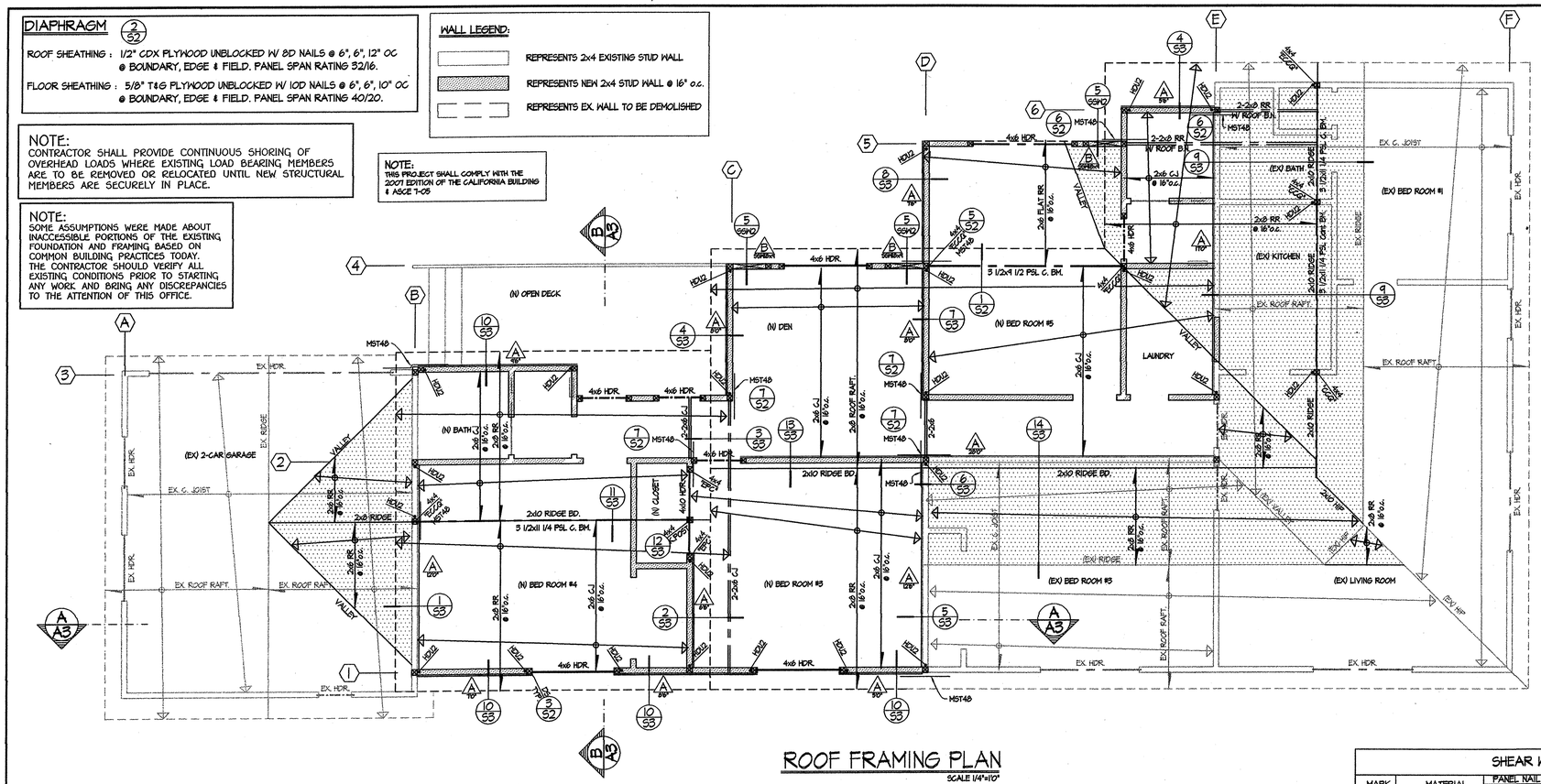
NOTE:
CONTRACTOR SHALL PROVIDE CONTINUOUS SHORING OF OVERHEAD LOADS WHERE EXISTING LOAD BEARING MEMBERS ARE TO BE REMOVED OR RELOCATED UNTIL NEW STRUCTURAL MEMBERS ARE SECURELY IN PLACE.

NOTE:
SOME ASSUMPTIONS WERE MADE ABOUT INACCESSIBLE PORTIONS OF THE EXISTING FOUNDATION AND FRAMING BASED ON COMMON BUILDING PRACTICES TODAY. THE CONTRACTOR SHOULD VERIFY ALL EXISTING CONDITIONS PRIOR TO STARTING ANY WORK AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THIS OFFICE.

WALL LEGEND:

- REPRESENTS 2x4 EXISTING STUD WALL
- REPRESENTS NEW 2x4 STUD WALL @ 16" o.c.
- REPRESENTS EX. WALL TO BE DEMOLISHED

NOTE:
THIS PROJECT SHALL COMPLY WITH THE 2007 EDITION OF THE CALIFORNIA BUILDING & ASCE 7-05



ROOF FRAMING PLAN
SCALE 1/4"=1'0"

GENERAL FRAMING NOTES:

1. SEE DIMENSIONS SEE ARCH. DRAWINGS.
2. ALL SHEAR WALLS SHALL BE EXTENDED TO ROOF SHEATHING AND BOUNDARY NAILING SHALL BE PROVIDED.
3. ALL FRAMING MEMBERS SHALL BE DF#2 UNO EXCEPT 6x MEMBERS SHALL BE DF#1.
4. ⊠ REPRESENTS DOUBLE STUDS UNO PER DETAIL 3 SHEET S2.
5. —— REPRESENTS HORIZONTAL DRAG MST STRAP PER DETAIL 4 SHEET S2.
6. "HU" HANGER SHALL BE USED IF HANGER SIZE IS NOT CALLED OUT IN DRAWINGS.
8. ALL THE HEIGHTS OF SIMPSON STRONG WALLS SHALL BE VERIFIED BEFORE PLACING THE ORDER.
10. DOUBLE STUD FRAMING SHALL BE DONE AFTER APPROVAL OF DOUBLE SIDED SHEAR WALL IF EXISTS.
11. FURRING IF REQUIRED SHALL BE CONTRACTOR'S RESPONSIBILITY (NOT SHOWN IN DRAWINGS)
12. ALL "MEG" HANGER SHALL BE USED WITH TOP FLANGE.
13. FIRE STOPS SHALL BE PROVIDED AT FOLLOWING LOCATIONS:
    a) IN CONCEALED SPACES OF STUD WALLS AND PARTIONS, INCLUDING FURRED SPACES, AT THE CEILING & FLOOR LEVELS & AT 10' INTERVAL & HORIZONTAL.
    b) AT ALL INTERSECTIONS BETWEEN CONCEALED VERTICAL & HORIZ. SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS AND COVE CEILINGS.
    c) IN CONCEALED SPACES BETWEEN STAIRS STRINGERS AT THE TOP & BOT. OF THE RUN & BETWEEN STUDS ALONG AND INLINE WITH THE RUN OF STAIRS IF THE WALLS UNDER STAIRS ARE UNFINISHED.
    d) IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES & SIMILAR OPENINGS WHICH AFFORD A PASSAGE FOR FIRE AT CEILING & FLOOR LEVELS, WITH NONCOMBUSTIBLE MATERIALS.
    e) AT OPENINGS BETWEEN ATTIC SPACES & CHIMNEY CHASES FOR FACTORY- BUILT CHIMNEYS.
14. STEEL FABRICATORS SHALL BE CERTIFIED BY THE CITY OF LOS ANGELES. ALL SPECIAL INSPECTORS SHALL BE CERTIFIED BY THE CITY OF LOS ANGELES.
16. WOOD FRAMING MEMBERS: GRADE & SPECIES OF ALL LUMBER SHALL BE DF#2 UNO. SILL PLATE IN CONTACT W/ CONCRETE SHALL BE PRESSURE TREATED DF#2 UNO.
17. THE CONTRACTOR SHALL HAVE ON THE JOB DURING CONSTRUCTION A COPY OF THE SIMPSON CO. "CONNECTORS FOR WOOD CONSTRUCTION" CATALOG NO. C-2010"
18. CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTION" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING INSPECTORS & OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT PER SECTION 1706.1.
19. ROOF DIAPH NAILING TO BE INSPECTED BEFORE COVERING. STRENGTH AXIS OF WOOD STRUCTURAL PANEL SHALL BE PERPENDICULAR TO SUPPORTS. FLOOR DIAPH. SHALL BE TONGUE & GROOVE OR HAVE BLOCKED PANEL EDGES. WOOD STRUCTURAL PANEL SPANS SHALL CONFORM TO CBC TABLE 2304.7.
20. ALL DIAPHRAGM & SHEAR WALL NAILING SHALL UTILIZE COMMON NAILS W/ FULL HEADS UNLESS OTHERVISE APPROVED.
21. FASTENERS IN PRESERVATIVE TREATED WOOD SHALL BE HOT DIPPED, GALVANIZED STEEL OR STAINLESS STEEL.
22. THE QUALITY MARK SHALL BE ON THE STAMP OR LABEL AFFIXED TO PRESERVATIVE TREATED WOOD & SHALL INCLUDE THE FOLLOEING INFORMATION: IDENTIFICATION OF TREATING MANUFACTRER, TYPE OF PRESERVATIVE USED, MIN. PRESERVATIVE RETENTION (pcf), END USE FOR WHICH THE PRODUCT IS TREATED, AWPA STANDARD TO WHICH THE PRODUCT WAS TREATED & IDENTITY OF THE ACCREDITED INSPECTION AGENCY.
23. MAXIMUM MOISTURE CONTENT OF WOOD SHALL BE 19% OR LESS BEFORE BEING COVERED WITH INSULATION, INTERIOR WALL FINISH AND FLOOR COVERING OF OTHER MATERIALS.
24. CUTTING OR NOTCHING OF WOOD STUDS OR PLATES SHALL NOT EXCEED 25% OF THE STUD/ PLATE WIDTH IN EXTERIOR & BEARING WALLS AND NOT TO EXCEED 40% OF THE STUD/ PLATE WIDTH IN NONBEARING PARTITIONS. BORED HOLES DIA. IS LIMITED TO 40% OF THE STUD/ PLATE WIDTH IN ANY STUD AND MAY BE 60% IN NONBEARING PARTITIONS OR WHEN THE BORED STUD IS DOUBLED.

PSL BEAMS SPECIFICATION:
1. SHEAR MODULUS OF ELASTICITY G=125,000 PSI
2. MODULUS OF ELASTICITY E= 2.0x10 6 PSI
3. FLEXURAL STRESS Fb = 2,900 PSI
4. TENSION STRESS Ft = 2,025 PSI
5. COMPRESSION PERP. TO GRAIN Fc PER. =750 PSI
6. COMPRESSION PARA. TO GRAIN Fc PARR. =2,900 PSI
7. HORIZONTAL SHEAR PARA. TO GRAIN Fv = 290 PSI

LARR # 25202, ICC ER-4979

FRAMING NOTES:
(1) USE ONLY COMMON NAILS FOR SHEARPANEL AND DIAPHRAGM NAILING. SEE SHEARWALL SCHEDULE.

(2) PROVIDE 3x FRAMING AT PLYWOOD EDGES AND 3x SILL FOR SHEARPANELS WITH CAPACITIES OVER 300 PLF. SEE SHEARWALL SCHEDULE FOR EXISTING WALLS.

(3) PROVIDE 1/2" EDGE DISTANCE FOR PLYWOOD BOUNDARY NAILING.

(4) PLATE WASHERS ARE TO BE USED WITH ALL ANCHOR BOLTS AND AT HOLDOWNS TO POSTS AS FOLLOWS:
5/8" BOLT - 3"x3"x1/4"
3/4" BOLT - 3"x3"x1/4"
7/8" BOLT - 3"x3"x3/8"

(5) FOR HOLDOWNS, THE FOLLOWING APPLIES:
- PLATE WASHERS ARE TO BE USED AT WOOD POST TO H.D.
- H.D. TO BE TIGHTENED JUST PRIOR TO COVERING WALL, INSPECTOR TO VERIFY.
- PROVIDE CONTINUOUS INSPECTION FOR HOLDOWN ANCHOR INSTALLATION.
- BOLT HOLES TO WOOD POSTS SHALL BE A MAXIMUM OF 1/32" TO 1/16" OVERSIZED.

(6) MATERIAL SPECS:

PLYWOOD –	PSI 1-95, STRUC-I
BEAMS –	DF #1
STEEL –	A36
TUBING –	A501
PIPE –	A53 GRADE B
REBAR –	A615 GRADE 40
BOLTS & A.B.'s –	A307
CONCRETE –	2500 psi
SOIL –	1000 psf

(7) CONTINUOUS INSPECTION REQUIRED FOR HOLDOWN ANCHOR BOLT INSTALLATION USING EPOXY AND FOR FIELD WELDING.

(8) STEEL SHALL BE FABRICATED BY A LICENCED FABRICATOR AND WELDERS SHALL BE CERTIFIED BY LOCAL JURISDICTION WHERE REQUIRED.

(9) STUCCO OVER PLYWOOD SHEARWALLS SHALL BE WATERPROOFED WITH A MINIMUM OF (2)15# UNDERLAYMENTS.

(10) THE FOLLOWING HAS BEEN INCORPORATED INTO THE DESIGN:
- H.D RATIO OF STUCCO SHEARWALLS SHALL NOT EXCEED 1:1
- H.D RATIO OF PLYWOOD SHEARWALLS SHALL NOT EXCEED 2:1
- STRUC-II (3 PLY) PLYWOOD HAS BEEN LIMITED TO 200 plf.
- SHEAR WALL VALUES HAVE BEEN LIMITED TO 75% OF TABLE

- HOLDOWNS HAVE BEEN LIMITED TO 75% OF ALLOWABLE.
- EDGE DISTANCE FOR A.B.'s ARE 3 DIAMETERS MIN., WITH A 50% LOAD REDUCTION.

SHEAR WALL SCHEDULE

MARK	MATERIAL	PANEL NAILING PERIM.	PANEL NAILING FIELD	BLK'G TO DBL. PLATE CONN.	SHEAR CAPAC.	PLATE THK	A. BOLTS
A	15/32" STRUC-I PLY.	10d @ 6"o.c.	10d @ 12"o.c.	S.S.T. "A35" @ 16"o.c.	255 #/FT.	2x	5/8" @ 16'o.c.
B	SIMPSON SW SSW 18x4 LARR# 25625			9-1/4" SDS WOOD SCREWS	1340#	1" H.DOWN	

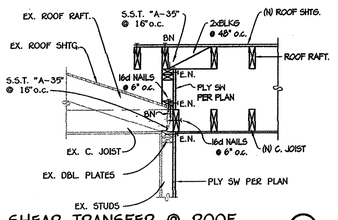
1. THIS NAILING SCHEDULE IS IN ADDITION TO MIN. NAILING REQUIRED BY CBC. USE COMMON NAILS ONLY.
2. FRAMING AT BOUNDARY AND PANEL EDGES SHALL BE 3" NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED FOR ALL PLYWOOD. SHEAR WALLS WITH SHEAR VALUES EXCEEDING 350#/FT. NAILING EDGE DISTANCE FOR 3x BOUNDARY AND PANEL EDGE MEMBERS SHALL BE 1/2" MIN.
3. ANCHOR BOLTS SHALL HAVE MINIMUM EMBEDMENT OF 8" AND BEARING PLATE 3x3x1/4".
4. ALL INTERIOR WALLS SHALL HAVE HILTI X-ZF WITH MINIMUM PENETRATION OF 1 1/2" INTO CONCRETE SLAB @ 32" OC UNO, ICC ESR 1663.
5. THE MAX. ALLOWABLE SHEAR FOR 3-PLY PLYWOOD, LESS THAN 5/8" THICKNESS SHALL NOT EXCEED 200#/FT.
6. FRAMING AT ADJOINING PANEL EDGES SHALL BE 3" NOMINAL OR WIDER AND NAILS SHALL BE STAGGERED WHERE 10d NAILS HAVING PENETRATION INTO FRAMING OF MORE THAN 1-5/8" ARE SPACED 3" OR LESS ON CENTER.
7. OBS PLYWOOD CAN BE SUBSTITUTE IN LIEU OF REGULAR PLYWOOD FOR SHEAR WALLS & ROOF & FLOOR SHTG PROVIDED ALL THE PROPERTIES EXCEEDS WITH PLYWOOD.
8. FOR EXISTING 2x SILL PLATE, 2x BLOCKING SHALL BE ADDED ON TOP OF EX. 2x SILL PLATE W/ 16d NAILS @ 6" o.c. & EPOXY BOLTS SHALL BE EXTENDED TO BLOCKING.

ADDITIONAL NOTES:
CONSTRUCTION- TYPE-V-B, ONE STORY RESIDENCE, 15'6" HIGH
ROOF D.L.= 15.0#/s.f., LL.= 20.0#/s.f. ROOFING DL=5.0 psf,
SEISMIC COEFFICIENTS- Sds=1.686 , Sd1=.842, R=6.5, I=1.0, SEISMIC DESIGN CATG. E
Ss=2.529, S1=.842, LATITUDE=34.252, LONGITUDE=-118.425,
TOTAL BSAE SHEAR V=CsW, V=.26W, Cs=.16 REDUNDANCY=1.3
EQUIVALENT LATERAL-FORCE ASCE-7-05 12.8
BASIC WIND SPEED=85 MPH, EXPOSURE CATEGORY= C
W/ SOIL BEARING CAPACITY 1500 PSF, SITE CLASSIFICATION D

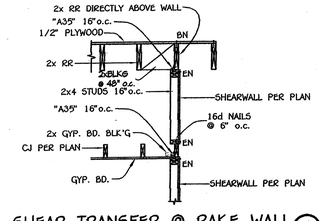
LARR#

1. HOLDDOWNS "HDU"	RR 25120	ESR-2330
2. "CC" & "ECC"	RR 25114	ESR-2604
3. METAL HANGERS	RR 24944	ESR-2544
4. A35 CONNECTORS	RR 25116	ESR-2606
5. MST STRAPS	RR 25113	ESR-2105
6. TJI JOIST	RR 25530	
7. PARALLAM BEAMS "PSL"	RR 25202	
8. SIMPSON STRONG WALL	RR 25421	ICC-ES ESR 2207

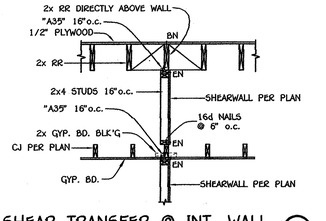
SHEAR TRANSFER @ ROOF (1)
NOT TO SCALE



SHEAR TRANSFER @ RAKE WALL (4)
NOT TO SCALE



SHEAR TRANSFER @ INT. WALL (7)
NOT TO SCALE



SHEAR TRANSFER @ ROOF (10)
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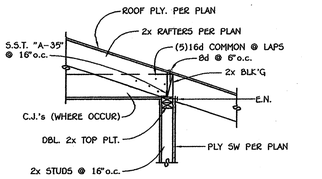
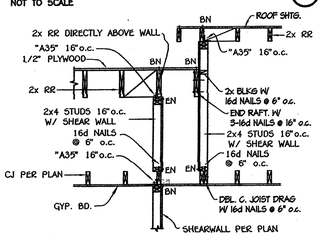
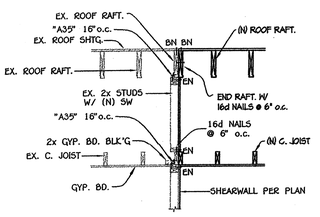


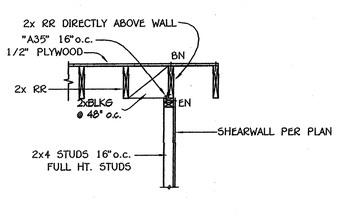
SHEAR TRANSFER @ DRAG (2)
NOT TO SCALE



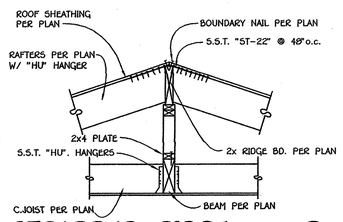
SHEAR TRANSFER (N) TO EX. (5)
NOT TO SCALE



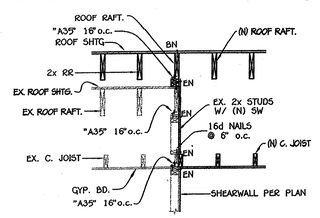
SHEAR TRANSFER @ FLAT ROOF (8)
NOT TO SCALE



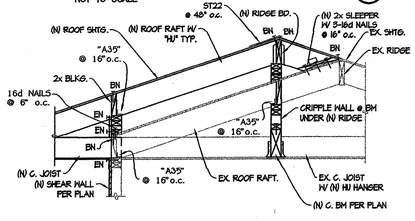
STRAPPED RIDGE (11)
NOT TO SCALE



SHEAR TRANSFER @ CALIF. FRAMG (6)
NOT TO SCALE



NEW TO EX. FRAMG. CONN. (9)
NOT TO SCALE



KING POST DETAIL (12)
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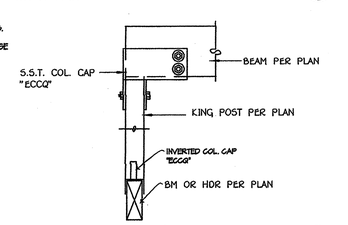
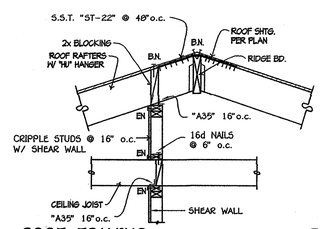
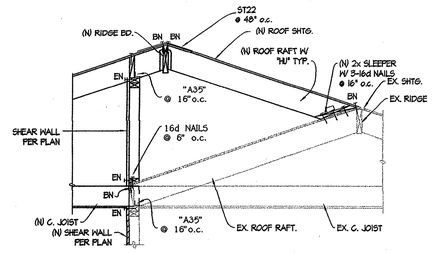


ROOF FRAMING (13)
NOT TO SCALE



NEW TO EX. FRAMG. CONN. (14)
NOT TO SCALE



REVISION

LOBANA ENGINEERING INC.
4430 READ ROAD
MOORPARK, CA. 93021
PHONE: (818) 203 2527
PHONE (805) 524 5435
FAX: (805) 524 5816
PAULLOBANA@AOL.COM

PROJECT/ SCOPE OF WORK.
- ADD 3-BED ROOMS/ CLOSETS/ 2 NEW BATHROOM AND 1- LAUNDRY ROOM.
ADD DDEN AREA AND OPEN DECK AT 1ST.FLOOR. PROVIDE NEW ASPHALT SINGLE ROOF TO ENTIRE BLDG.

TITLE
ADDITION & REHABILITATION TI EXIST. 1-STORY/SINGLE FAMILY RESIDENCE.

OWNER.
KHALSA CARE FOUNDATION
10007 LAUREL CANYON BLVD.
PACOIMA, CA 91331

SITE INFORMATION.
LOT # ---------- FR 303
TRACK # ---------- THE MACLAY RANCHO
MAP REFERENCE # ---------- MR 37-4/6
MAP SHEET ---------- 201B157, 204B157
ZONING ---------- R1-1
APN # 2622002009

LOT AREA ---------- 11985.0 SQ.FT.
SIZE OF EXIST. RESI. + GARAGE- 882.00 SQ.
SIZE OF NEW ADDITION ---------- 364.00 SQ.FT.
NO OF STORIES ---------- 1
TYPE OF CONSTRUCTION ---------- RAISED WOOD FOUNDATION
ROOF ---------- ASPHALT SINGLE
WALLS ---------- WOOD W/STUCLO EXTERIOR

DATE: JUNE 2,2010

SCALE: 1/4"=1'0"

PROJECT NO: KCF

S-3