

REA:	7,334.7 square feet		
	Existing	Change in	Total Proposed
NT YARD PAVING	N/A	N/A	$\frac{654}{(\underline{43}\%)}$ square feet
E LIVING AREA G HABITABLE AREA:	<u>969</u> square feet	2,209 square feet	<u>3,178</u> square feet
TABLE AREA:	<u>378</u> square feet	(-) 28 square feet	<u> </u>
	Existing	Proposed	Allowed/Required
RAGE: wered by all structures that in height)	$\frac{1,347}{(\underline{18}\%)}$ square feet	2,108.7 square feet (28.7%)	$\frac{2,200}{(30\%)}$ square feet
EA: Or	$ \begin{array}{r} \underline{1,347} \\ \underline{-} \\ \underline{1,347} \\ (\underline{13,47} \\ (\underline{18,\%}) \end{array} $ square feet		<u>2,567</u> square feet (<u>35</u> %)
(1st/2nd) st/2nd)	<u>19.1</u> feet <u>42.8</u> feet <u>15.3</u> feet /feet <u>8.7</u> feet /feet	<u>25.6</u> feet <u>26.8</u> feet <u>7.6</u> feet / <u>16.4</u> feet <u>8.3</u> feet / <u>14.4</u> feet	<u>25</u> feet <u>25</u> feet <u>6.9</u> feet / <u>14.4</u> feet <u>6.9</u> feet / <u>14.4</u> feet
	<u>15.5</u> feet	feet	feet

SITE PLAN & PROJECT DATA **1ST FLOOR PLAN & BASEMENT** 2ND FLOOR PLAN & ROOF PLAN AREA CALCULATIONS ELEVATIONS ELEVATIONS GRADING & DRAINAGE NOTES & DETAILS GRADING & DRAINAGE PLAN LANDSCAPE PLAN & TREE PROTECTION

PROJECT TEAM

CHII-LUH (CAROLINE) CHEN

CHII-LUH (CAROLINE) CHEN

LANDSCAPE ARCHITECT ALEKSANDRA DUDUKOVIC

SURVEYOR & CIVIL ENGINEER

SCOTT HOFFMAN BAY LAND CONSULTING 2005 DE LA CRUZ BLVD., #165 SANTA CLARA, CA 95050 T: (408) 296-6000 F: (408) 404-5579 scott@ah-land.com

SOIL ENGINEER

DAN DYCKMAN GEOFORENSICS 561 PILGRIM DRIVE, #D FOSTER CITY, CA 94404 T: (650) 349-3369 F: (650) 571-1878 dan.geoforensics@yahoo.com

SITE PLAN LEGEND

- PROPERTY LINE
- — SETBACK LINE
 - EXISTING WOOD FENCE TO REMAIN
 - DRIP LINE
 - NEW UNDERGROUND ELECTRICAL TO EXISTING POLE

- —— G —— NEW GAS LINE
 - PROPOSED 1ST FLOOR
 - PROPOSED BASEMENT
 - PROPOSED 2ND FLOOR
 - CONCRETE, COLOR LIGHT GREY
 - CONCRETE, COLOR DARK GREY











AREA CALCULATIONS

0 4' 8

<u>Area</u>
350.0 sq. ft.
124.8 sq. ft.
55.5 sq. ft.
307.3 sq. ft.
485.8 sq. ft.
" 255.2 sq. ft.
157.5 sq. ft.
172.6 sq. ft.
63.7 sq. ft.
3.6 sq. ft.
1,976.0 sq. ft.
262.1 sq. ft.
25.0 sq. ft.
155.1 sq. ft.
95.5 sq. ft.
40.8 sq. ft.
12.5 sq. ft.
591.0 sq. ft.
2,567.0 sq. ft.
630.2 sq. ft.
327.8 sq. ft.
961.0 sq. ft.
23.5 sq. ft.
2.6 sq. ft.
106.6 sq. ft.
132.7 sq. ft.
2,108.7 sq. ft.

FLOOR ARE	EA COVERAGE CALCULATIONS
Section	Dimensions

Ren. 12/31/13			
CHII-LUH (CAROLINE) CHEN ARCHITECT 718 TERRACE CT LOS ALTOS, CA 94024 650.996.0622 chiiluh@yahoo.com			
TING RESIDENCE: NEW SINGLE FAMILY HOME 64 CHESTER CIRCLE, LOS ALTOS, CA 94022			
AREA CALCULATIONS			
PRINT DATE: 10/22/13 SHEET			

REVISIONS

Design Review Submittal 9/5/13

Design Review Submittal 10/22/13



























GENERAL NOTES

- 1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE GENERAL AND SPECIFIC PROVISIONS. STANDARD DRAWINGS, AND REQUIREMENTS OF THE CITY OF LOS ALTOS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE 2. LOCATION OF ALL EXISTING UTILITIES WITH THE APPROPRIATE UTILITY AGENCIES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITY OWNERS 48 HOURS PRIOR TO COMMENCEMENT OF WORK ADJACENT TO THE UTILITY CONTACT UNDERGROUND SERVICE ALERT (USA) AT 800/642-2444.
- EXISTING UTILITIES SHOWN ARE BASED UPON RECORD 3. INFORMATION AND ARE APPROXIMATE IN LOCATION AND DEPTH. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES THAT MAY BE AFFECTED BY NEW FACILITIES IN THIS CONTRACT. VERIFY ACTUAL LOCATION AND DEPTH, AND REPORT POTENTIAL CONFLICTS TO THE ENGINEER PRIOR TO EXCAVATION FOR NEW FACILITIES.
- 4. IT IS THE CONTRACTORS RESPONSIBILITY TO REPLACE ALL STREET MONUMENTS, LOT CORNER PIPES, AND GRADE STAKES DISTURBED DURING THE PROCESS OF CONSTRUCTION AT THE REGULAR ENGINEER'S FEE.
- 5. PROVIDE CONCRETE PROTECTION BETWEEN UNDERGROUND PIPE CROSSINGS WITH 12" OR LESS VERTICAL CLEARANCE.
- 6. ALL SURPLUS AND UNSUITABLE MATERIAL SHALL BE REMOVED FROM PROJECT SITE AND FROM PUBLIC RIGHT-OF-WAY.
- 7. CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL AND KEEP MUD AND DEBRIS OFF THE PUBLIC RIGHT-OF-WAY AT ALL TIMES.
- 8. ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE SECTIONS OF CALIFORNIA AND FEDERAL O.S.H.A. REQUIREMENTS AND OTHER APPLICABLE SAFETY ORDINANCES. CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION.
- 9. GRADE BREAKS ON CURBS AND SIDEWALKS ARE TO BE ROUNDED OFF ON FORM WORK AND FINISHED SURFACING.
- 10. CONTRACTOR SHALL PERFORM HIS/HER CONSTRUCTION AND OPERATION IN MANNER WHICH WILL NOT ALLOW HARMFUL POLLUTANTS TO ENTER THE STORM DRAIN SYSTEM. TO ENSURE COMPLIANCE, THE CONTRACTOR SHALL IMPLEMENT THE APPROPRIATE BEST MANAGEMENT PRACTICE (BMP) AS OUTLINED IN THE BROCHURES ENTITLED BEST MANAGEMENT PRACTICES FOR THE CONSTRUCTION INDUSTRY" ISSUED BY THE SANTA CLARA COUNTYWIDE STORM WATER POLLUTION PREVENTION PROGRAM, TO SUIT THE CONSTRUCTION SITE AND JOB CONDITION, THE CONTRACTOR SHALL PRESENT HIS PROPOSED BMP AT THE PRECONSTRUCTION MEETING FOR DISCUSSION AND APPROVAL.
- 11. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT IN THE STREET RIGHT-OF-WAY SHALL NOT BE PERMITTED, EXCEPT AT LOCATION(S) APPROVED BY THE CITY TRAFFIC ENGINEER.

CITY REQUIREMENTS FOR CERTIFICATES OF SURVEY BY A LICENSED CIVIL SURVEYOR OR CIVIL ENGINEER

- · AT THE TIME OF FOUNDATION AND/ OR FOOTING PRE-POUR INSPECTION TO VERIFY BUILDING SETBACKS FROM PROPERTY LINES, BUILDING DIMENSIONS AND FINISHED FLOOR ELEVATION.
- 2. AT ROOF NAIL TO VERIFY COMPLIANCE WITH THE DAYLIGHT PLANE, AVERAGE HEIGHT AND TOTAL HEIGHT BASED ON THE JOB SITE PLANS AND SPECIFICATIONS.
- 3. AT FINAL INSPECTION TO VERIFY COMPLIANCE WITH GRADING AND DRAINAGE PLAN.

UNDERGROUND UTILITY NOTES

- 1. CONTRACTOR SHALL CONTACT U.S.A. AT LEAST 48 HOURS PRIOR TO EXCAVATING IN ANY AREA WHERE UNDERGROUND FACILITIES ARE LOCATED. PHONE (800)642-2444.
- 2. THE EXISTENCE, LOCATION AND ELEVATION OF ANY UNDERGROUND UTILITIES ARE SHOWN IN A GENERAL WAY ONLY. IT WILL BE THE RESPONSIBILITY AND DUTY OF THE CONTRACTOR TO MAKE FINAL DETERMINATIONS AS TO THE EXISTENCE, LOCATION AND ELEVATION OF ALL UTILITIES.

GRADING NOTES

- 1. DATE OF SURVEY: JANUARY 2012
- NO. 521.
- COMPACTION.
- TAKEN AT DBH (DIAMETER AT BREAST HEIGHT)
- LOCATION OF METERS ARE AS NOTED. JURISDICTION.
- 7. INCLUDING TREES, FENCES, GATES, UTILITIES, ETC.
- 8. ALL ON-SITE STORM DRAINAGE AND SANITARY



ON-SITE ONLY



LEGEND

CRIPTION	Los Altos Dental Care	{		_	SHEET
	Gardens		⁵ (
	Esprit de Core Pilates Studio	\vdash			
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	E Portola Ave				
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DETAIL, SHT. C1 NOTE, SHT. C2	N.T.S				
WN SPOUT					
WN SPOUT WITH SPLASH BLOCK					
LITY BOX —AS NOTED					
OP OF AVENENT SHED GRADE POINT ELEVATION -AS NOTED) , , ,) ,) , , () , () , () , () , (
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e plans are for plan check only and us the State of California Business and essional Code, Professional Engineers Act ion 6735(a) does not require the plans e wet stamped and signed. These s are not final until they are approved bermit at which time they will be wet ped and signed. OF CHESTER CIRCLE PER TRACT NO 8630 APS, PAGE 10 OUNTY RECORDS ECT BENCHMARK EVATIONS SHOWN HEREON ASSUMED DATUM. THE STREET ED "TBM" WAS TAKEN AT ELEVATION=100.00	OR PLAN CHECK ONLY SCALE: 1"=8"	HARD RANGE	
BAY LAND CONSULTING LAND SURVEYORS/CIVIL ENGINEERS 2005 De La Cruz Boulevard, Suite 165 Santa Clara, California 95050 Ph: (408) 296-6000 FAX: (408) 404-5579 EMAIL: Surveyor@baylandconsulting.com SERVING THE BAY AREA	GRADING & DRAINAGE PLAN 64 CHESTER CIRCLE LOS ALTOS, CA 94022 APN 170-01-003	REVISIONS DATE DESCRIPTION	JOB NO. 12002SHEETSCALE:1"=8'C2PROJECT MGR:SHC2DATE:09/24/13OF 4 SHEETDRAW:YCOF 4 SHEET

Tree Description Table Created by Scott Araki, Tree Specialist, Inc.

Table includes Tree Number (corresponding to Previous Page site plan), Species name, Diameter at Standard Height, Canopy height, Canopy Width, Suitability of Preservation Rating, and General Description of tree condition

Tree #	Species	D.B.H.	Canopy Height	Canopy Width	Preservation Suitability	Description
1	Coastal Live Oak	19"	25'	10'	Good	Poor
2	Coastal Live Oak	16"	25'	15'	Good	Good
3	Coastal Live Oak	22"	30'	20'	Good	Good
D.B.I	D.B.H Diameter at Breast Height					

4.3 Basic Tree Preservation Measures (TPMs)

The basic tree protection fencing is just the first step in tree preservation. Many additional tools and procedures come into play. Usually restriction of space and time curtail the use of the more esoteric ones, but those below are significant. Ideally, the owner or designer makes decisions well ahead of the project's start so that only trees which can realistically be preserved are retained.

Tree Protection Fence (TPF)

· Install fence **BEFORE** any other phase of the project begins.

· Keep *fence in tact* until ready for final landscaping.

• Use a continuous 6' foot high chain link fence with an allowed 2' foot opening *to provide access for inspections*. The Posts = 8 ft. tall X 2" inch diameter galvanized posts driven 2 feet into the soil. Post Signs on the fence (8.5" X 11") warning of "penalty for working inside of fence or removal without written permission of Project or City Arborist (specific sign wording can be provided in memo form).

• Fence *as much of the root zones as possible*, ideally 5' feet beyond the drip lines (branch tips) or including the entire TPZ. For this project's design constraints, the fence locations are pulled back to hardscape perimeters (with supplemental root zone protection described below).

• Prohibit *all construction impact* from disturbing the root zone area which can effect tree preservation.

•The "clinical" area of the trees are the trunk and the branch structures that we see above the ground, however to ensure the health of the tree and facilitate preservation we must also acknowledge and take into consideration the complex structures of the root system under the ground responsible for structural and nutritional health; therefore, should work be required within the TPZ the advice and guidance of a Project Arborist should be employed.

SUPPLEMENTAL PROTECTION – MULCH – ROOT ZONE BUFFER

Wood chip mulch shall be applied over open room zones (beneath trees' drip lines) to a depth of 4-6 inches, tapering to soil level within the 9 inches nearest the tree trunk.

Wood chips from tree pruning operations are ideal – they make a mulch that provides exceptional benefits to all trees – modifying the soil environment to conserve moisture, promote beneficial soil microbes, buffer against weather (desiccating sun, drying winds, pounding raindrops, temperature extremes), cushion the soil structure from foot (or vehicle) traffic.

Provide this for all trees – even inside of TPFs.

Where this buffer is used when TPFs cannot be placed at a drip line, additional supplemental material(s) may be required. When pre-existing driveway asphalt, or similar durable surface can be maintained intact, that may suffice. Otherwise for those cases, arborist sign-off is required, but generally depends on the traffic load:

-foot traffic and wheelbarrows: sheets of 5/8-inch plywood tacked together. -Small bobcat-type vehicles and "Fergie" – size tractors: increase chip depth to 9 inches with 1-inch plywood sheets.

-Occasional full-size vehicles (cars, pickups, service vans): 9-inches of chips. -Cement trucks, haulers, loaded dump trucks, heavy duty delivery trucks ["construction site temporary access road"]: a layer of biaxial geogrid (e.g. Tensar BX1200, or equal) on top of existing grade, topped with 12 inches of chips with 1-inch trench plate, tack welded together to avoid slipping apart.

Removal of any existing driveway or parking lot asphalt from over root zone areas must be performed with care. The excavator/tractor/trucks must keep all



tires/tracks on the existing asphalt, picking it up as it goes. Re-laying the paving surfacing is done in reverse path, again keeping all tires/tracks on the hard surface above any root zone.

ROOT-SENSITIVE DESIGN

Additional preservation suggestions and techniques to consider can include: -Pier and grade beam (on top of existing grade) to suspend construction

above the roots. -Trenchless technology to place utilities beneath roots without severing by trenching.

-Porous concrete, porous asphalt, open pavers can be used for some surfaces to let both air and water into root zones. -Re-route the layout in a different location to avoid tree roots.

-Ramp over tree roots to avoid compacting their soil or severing them.

SUPPLEMENTAL WATERING AND FERTILIZING

Objective: To provide moisture to promote vigorous, healthy root growth.

Procedures: Water application hints can be found in the ISA BMPs (Fertilization). Generally, a basic rule is to provide a deep soaking once a month during the hottest months of the year. Start before construction commences. Continue for a year

after project completion. Modify by on-site arborist observations, especially during the "dry season" or in "drought conditions". One application of water can be made to be included with a fertilizer application

By surface application or soil injected to a depth of 6-8 inches. Rules of thumb:

-10-20 gallons of water per trunk diameter incher per month, applied evenly over the root zone.

-Applying one inch of water will wet a moderate clay soil to about a depth of 1 ft. -Soil samples should be lab tested to determine nutrients lacking-lab fertilizer recommendations should be followed.

PRUNING

General: The care of trees is the obvious domain of tree care contractors. Any clearance pruning, removals, aesthetic trimming, removal of limbs, root pruning, stump grinding, and/or remedial repair must be performed by a tree care contractor with a current California Contractor's License – the appropriate classification is C61/D49, with workers being WC-ISA Certified Tree Workers supervised by an ISA Certified Arborist. This includes removal of trees and/or stumps with intertwining/overlapping branches or roots.

Typically trees would benefit from pruning near t Routine: sometimes to improve the health and structure of some, but also deadwood, establishing a benchmark against which one can meas status (e/g/, accumulation of new deadwood, hence decline).

Project-Critical: Of particular importance here may be a project Depending on the owner's decision about which trees to retain, o and raising may be needed, especially structural pruning for the trees.

All tree work must comply with applicable tree-sp Standards: and be performed within the guidelines of the ISA Best Managen qualified tree care contractors will be thoroughly familiar with th standards.

Typical pruning types to be used are described in t Most of the trees would benefit from "cleaning" to remove deadw superfluous branches; plus, they can be improved structurally by foliage branch end weights; many will require "raising" for proje

Over-Pruning: Care must be taken to avoid over-pruning trees th preserve. Not only does that ruin trees' structure, but it also rem producing leaves that it stresses the trees (puts them on a diet), s

Generally, one can prune 25% from a young, vigorously without resulting in a stress reaction. Mature trees usually show pruned out. Over-mature specimens can readily show decline wh foliage is removed from an area of the foliage canopy.

Pruning Specifications: Objectives and procedures must be projdetails take shape, the Project Arborist can draft tree-specific pru those general guidelines, depending on the extent to which the pr accommodate tree preservation.

Root Pruning: Any roots that must be severed must be cut cleanl A tree care contractor must root prune along any line, cut, or tren larger that 1-inch in diameter. This root pruning is best schedule contractor's work – this actually both speeds up the work for the less damage to the trees.

CUTS / FILLS

Cuts into the root zones must be minimized, per roots and root zo Preview by Project or City Arborist required before commencing

ROOT CROWN CHANGES / DISTURBAN

near the end of a project, it also to remove any n measure changes n the trees' e).	Root crown: the base of a tree – where the trunk ends and scaffold roots flare off into the surrounding soil. No change or disturbance may occur in any root crown area and all materials inadvertently or intentionally accumulating there must be removed.	REVISIONS Design Review Submittal 9/5/13
roject clearance issues.	ATTACHMENTS	10/22/13
tain, crown cleaning, thinning or the near at hand perimeter	No construction apparatus shall be attached to any tree (braces, signs, slings, etc.). <u>TRENCHES</u>	
tree-specific ANSI Standards magement Practices – with those published industry	Proactively avoid routing any trench under any tree's drip line (including utility, sewer, phone, cable, electric, drainage, irrigation, decorative lighting, pool supply, etc.).	
bed in the cited standards. deadwood and diseased or lly by "thinning" to reduce	In the unlikely event that a trench must cross a root system, the plan must be reviewed by the Project Arborist before that work can be done. Consider alternatives – Tunnel with trenchless technology equipment? Hand dig? Trench	SENSED ARCHINE
ees that one seriously wants to	straight toward a tree's trunk from both sides and then follow tunneling procedures for the short distance between (tree-specific distances recommendations can be made, based on an individual subject tree's size)?	No. C 28968 (P. Ren. <u>12/31/13</u>)
b removes so many food liet), sometime irrecoverably. Dusly growing oak or redwood show stress when 15% is ine when even 5% of the live	When trenching across a root zone is necessary on-site monitoring by Project Arborist is required.	CF CALLE OF
e project-specific. As project	EQUIPMENT CLEANING	L CHEN
ic pruning specs in line with the project is designed to cleanly (no shatter rip tear)	Establish a "Clean Out" site for such equipment as concrete trucks, cement forums, plastering apparatus, paint tools, etc. This must be located well away from any tree's root zone – or even any future planting areas.	OLINE) TECT RACE CT CA 9405 5.0622 thoo.cor
or the contractor and cause	All (sub) contractors must be on-notice that equipment must never be cleaned out over any tree's root zone – only within the designated "Clean Out" site.	JH (CAR ARCHI 18 TERR 18 ALTOS, 650.996 iiluh@ya
	<u>STORAGE</u>	HII-LL LOS chi
coot zones discussions above.	No storage of gasoline, oil, or other chemicals over any tree's root zone. No storage of any construction materials inside of any tree protection fence.	<u></u>
RBANCES	CHEMICAL SPILLS	шı
	Promptry confine and clean up any chemical spin over any foot zone. <u>PARKING</u>	WOH
	No parking under tree canopies unless the root zones are protected. This will be precluded if they can be fenced at the drip lines. Even ore important is the root zone wood chip mulch.	AMILY 322
	Traffic causes irreparable harm to the soil structure and to the tree's roots due to the compaction.	V 940
	Root zone compaction under a traffic load can be reduced by thickening the root zone buffer – say, beefing up to 6-8 inches of wood chips. Alternative buffer surfaces might include (alone or in combination): crushed rock, plywood sheets, steel plate, etc. And one still must be careful of clearances to avoid bark bruising, trunk scrapes and limb breakage.	NEW SING ALTOS, CA
	PUBLICATION & NOTICE	Sol Etc.
	A copy of these tree protection measures must be on site, available to all workers, so they will be on notice regarding the tree's requirements.	
	One effective method is to paste up these pages on a sheet (usually titled "Tree Preservation Plan, Sheet T-1", or equivalent) and be certain that it is included in every set of construction drawings issued.	ESIDEI ER CIRCL
EAREA	LANDSCAPE PLAN	IG R HESTE
572 sq. ft.	A well-though-out landscaping plan can be essential. It must take into account the status	
82 sq. π. 654 sq. ft.	and longevity of this site's existing trees. Plan for the irrigation lines to be laid on top of existing grade, placed beneath the wood-chip-mulch layer. Expect no irrigation or water-loving plants within 10 feet of any mature tree's trunk.	
213 cg ft	MONITORING	
145 sq. ft. 1105 sq. ft.	Project Arborist inspections begin with a sign-off to confirm that initial tree protection measures are in place before commencement of any other part of the project.	
1,463 sq. ft.	The City of Los Altos requires periodic monitoring inspections by the Project Arborist verifying that the tree preservation measures continue to be effective, with monthly reports faxed to the owner and the City Arborist.	
1976 sq. ft.	PENALTIES	
4,093 sq. ft.	All (sub) contractors and their personnel must understand that they are responsible for their actions around these trees.	
7,334.7 sq. ft. 3,242 sq. ft.	Circumventing tree protection measures will most certainly cause the tree(s) additional stress. This can be calculated as a change in the tree's status and there are formulae for assessing damage dollar amounts (see CTLA, Council of Tree and Landscape Appraisers).	N & ON
1,530 sq. ft. /1,530= 43%	Besides penalties derived from action on the City Ordinance, court have required contractors to pay penalties directly to the property owner suffering the damage/loss (diminution in tree value), sometimes assessed as double or triple if intentional action.	
	NOTE: THE ABOVE INSTRUCTIONS WERE PART OF A CERTIFIED ARBORIST'S REPORT PREPARED ON JULY 7, 2013, BY: DON ARAKI	PRO
TO BE DEMOLISHED. ATIONS ARE PROPOSED. Y LINE ARE EXISTING &	THE TREE SPECIALIST ISA CERTIFIED ARBORIST WE-6547A (408) 209-1007	AND
		PRINT DATE: 10/22/13
		SHEET
<u> </u>		