



NOTICE OF FINAL APPROVAL Intent to Issue a Land Use Permit

Planning and Environmental Services
130 Cremona Drive, Suite B, Goleta, CA 93117
Phone: (805) 961-7500 Fax: (805) 961-7551
www.cityofgoleta.org

Case No.: 15-098-LUP Planner: Brian [initials] Initialed: [initials]
Project Address: 1040 Cambridge Drive Project Name: Harvest Hill Ranch, Lot 5
A.P. No.: 099-020-049 General Plan Designation: Single Family Residential
Zone District: 20-R-1

Planning and Environmental Services grants final approval and intends to issue this Land Use Permit for the development described below, based upon the required findings and subject to the attached terms and conditions.

FINAL APPROVAL DATE: June 28, 2018

POSTING DATE/APPEAL PERIOD BEGINS: July 11, 2018

APPEAL PERIOD ENDS: July 21, 2018

DATE OF PERMIT ISSUANCE (if no appeal is filed): July 22, 2018

NOTE: This final approval may be appealed to the Planning Commission by the applicant, owner, or any interested person adversely affected by such decision. The appeal must be filed in writing with an appeal application and any required fee within ten (10) calendar days following the Posting Date identified above with Planning and Environmental Services located at 130 Cremona Drive, Suite B, Goleta, CA 93117 (Section 36-827). If you have questions regarding this notice please contact the planner at (805) 961-7551.

PROJECT DESCRIPTION SUMMARY:
The property is a 25,108-square foot lot in the 20-R-1 zone district with an existing 750-square foot workshop/garage. The applicant will construct a 2,990-square foot single-family dwelling with an attached 608-square foot 2-car garage, and a 430-square foot covered entry patio porch. The existing workshop/garage will remain and provide an additional 2-car garage and workshop space. Exterior materials consist of wood siding, concrete block, and stone. The project was filed by Rich Ridgway, property owner.

ASSOCIATED CASE NUMBERS: 15-098-DRB

TERMS OF PERMIT ISSUANCE

1. Posting Notice. A weather-proofed copy of this Notice/Permit, with Attachments, shall be posted by the Applicant in three (3) conspicuous places along the perimeter of the subject property. At least one notice shall be visible from the nearest street. Each copy of this Notice shall be posted on the identified Posting Date and shall remain posted for a minimum of ten (10) consecutive calendar days. (Section 35-328.3)
2. Work Prohibited Prior to Permit Issuance. No work, development, or use intended to be authorized pursuant to this approval shall commence prior to issuance of this Land Use Permit and/or any other required permit (e.g., building permit).

WARNING! THIS IS NOT A BUILDING/GRADING PERMIT.

3. Date of Permit Issuance. This Permit shall be deemed effective and issued on the Date of Permit Issuance as identified above, provided:

- a. All terms and conditions including the requirement to post notice must be met and this Notice/Permit has been signed;
- b. The Affidavit of Posting was returned to the Planning and Environmental Services after the Appeal Period has closed. Failure to submit the affidavit by such date shall render the approval null and void; and
- c. No appeal has been filed.

4. Conditions of approval. This permit is issued subject to compliance with the attached Conditions of Approval. Failure to comply with the conditions of this permit may result in a civil fine pursuant to the City Code and/or permit revocation.

NOTE: This Notice of Final Approval/Intent to Issue a Land Use Permit serves as the Approval and the Land Use Permit once the permit is deemed effective and issued. Issuance of a permit for this project does not allow construction or use outside of the project description, or terms or conditions; nor shall it be construed to be an approval of a violation of any provision of any City policy, ordinance or other governmental regulation.

OWNER/APPLICANT ACKNOWLEDGMENT: Undersigned permittee acknowledges receipt of this approval and agrees to abide by all terms and conditions thereof.

Brian Ridgway [Signature] 7-11-18
Print Name Signature Date

Planning and Environmental Services issuance by:

Planner Date

Attachment A CONDITIONS OF APPROVAL Land Use Permit 15-098-LUP

1. This Land Use Permit, Case No. 15-098-LUP, authorizes implementation of plans stamped "APPROVED", dated June 28, 2018, and attached/subject to these Conditions of Approval. All construction, improvements, implementation, and/or any other actions taken pursuant to this permit shall be in substantial conformance with the project. Any deviations from the project must be reviewed and approved by the City of Goleta (CAG). The City shall determine whether any deviation substantially conforms to the project. Any deviation determined to not be in substantial conformance with the project requires the permittee to seek additional approval, permits, or other action by the City. Any deviation from the project made without the above-described review and approval of the City is a violation of this permit.
2. This permit shall expire 24 months after the approval date, unless within such period substantial physical construction of the project has been completed, and/or the beginning of the authorized use has commenced, or a time extension has been applied for by the permittee.
3. This permit runs with the land and the rights and obligations thereof, including the responsibility to comply with these Conditions of Approval and shall be binding upon successors in interest, unless or until the permit expires pursuant to Condition of Approval #2 or is expressly abandoned in writing by the permittee.
4. This permit is granted for the property(ies) of record on which the project is located and shall not be transferred.
5. The permittee shall obtain from the City's Planning and Environmental Services Department a Land Use Permit prior to commencement of any use and/or development authorized by this permit.
6. The permittee shall obtain from the City's Planning and Environmental Services Department all Building Permits required by Title 15 of the Goleta Municipal Code prior to the construction, erection, moving, alteration, enlarging, rebuilding of any building, structure, or improvement, or any other action(s) requiring a Building Permit pursuant to Title 15 of the Goleta Municipal Code.
7. These Conditions of Approval shall be printed in their entirety on all plans submitted for issuance of any LUP or Building Permit for the project.
8. Prior to Land Use Permit issuance, the permittee shall pay all applicable permit processing fees in full.
9. Permittee shall provide for dust control at all times during site preparation and project construction.

15-098-LUP
Attachment A
Page 2 of 2

10. Site preparation and construction activity shall be limited to the hours between 8:00 am and 5:00 pm, Monday through Friday. No construction shall occur on State observed holidays. Maintenance of construction equipment shall be limited to the same hours. Construction activities that do not generate noise, such as interior painting, are not subject to these restrictions.
11. All exterior lighting shall be hooded and not directed towards any property zoned residential.
12. Violation of any of these Conditions of Approval is unlawful, prohibited and a violation of the Goleta Municipal Code. The City reserves the right to initiate civil, criminal and/or administrative enforcement, or other notice and a public hearing, to revoke this permit or modify these Conditions of Approval if it is found that there is a violation of these Conditions of Approval or the Goleta Municipal Code or that the project operates as or causes a public nuisance. This Condition of Approval is not intended to, nor does it limit in any manner whatsoever the ability of the City to take appropriate enforcement actions.
13. The permittee shall be responsible for the completeness and accuracy of all plans, forms and supporting materials submitted in connection with the project. Any error or discrepancies found therein are a violation of this permit.
14. Any new, expanded, or changed use on the project site shall be subject to City review and approval. The City shall determine whether the new, expanded, or changed use on the project site requires the permittee to seek additional approval, permits, or other action by the City. Failure of the permittee to obtain the above-described review and approval of the City is a violation of this permit.
15. The permittee shall, at permittee's expense, defend, indemnify and hold harmless the City and its agents, officers and employees from any claim, action, or proceeding against the City or its agents, officers, or employees to attack, review, set aside, void, or annul, in whole or in part, the City approval of this permit or any condition attached hereto or any proceedings, acts, or determinations taken, done, or made prior to the approval of this permit that were part of the approval process.
16. In the event that any Condition of Approval imposing a fee, exaction, dedication or other mitigation measure is challenged by the permittee in an action filed in a court of law or threatened to be filed therein which action is brought within the time period provided by law, this permit shall be suspended pending dismissal of such action, the expiration of the limitation period applicable to such action, or final resolution of such action. If any Condition of Approval is invalidated by a court of law, the project shall be reviewed by the City and substitute Conditions of Approval may be imposed.

- End of Conditions -



HARVEST HILL BUILDERS, LP - 200 E. CARRILLO STREET, SUITE 200, SANTA BARBARA, CA 93101 - 805-962-8989

PROJECT NOTES

1. PROVIDE COPIES OF ALL INVESTIGATED, INSTALLATION, ACCEPTANCE AND INSPECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS:
2. AT BUILDING PERMIT, PROVIDE COMPLIANCE INFORMATION, OPERATING INFORMATION, MAINTENANCE INFORMATION AND VENTILATION INFORMATION TO THE BUILDING OFFICE.
3. MEET WATER VERIFICATION IS REQUIRED FOR THIS PROJECT. SEE FORM CDR.
4. CONTRACTOR TO COMPLETE AND SIGN FROM "FORM-HIGH-2" (INSTALLATION CERTIFICATION), SIGNATURE, PRINT NAME, VENTILATION, AND POST THE CERTIFICATE IN THE FIELD FOR USE BY THE BUILDING INSPECTOR.

DEFERRED SUBMITTALS

- FIVE SPRINKLERS
- SITE RETAINING WALLS

CAL GREEN NOTES

1. AUTOMATIC IRRIGATION CONTROLLER(S) INSTALLED BY THE BUILDER SHALL BE IN PLACE FOR FINAL INSPECTION AND SHALL MEET THE FOLLOWING REQUIREMENTS:
 - a. CONTROLLER(S) SHALL BE WEATHER-OR SOIL-MOISTURE-BASED CONTROLLER(S) THAT AUTOMATICALLY ADJUST IRRIGATION IN RESPONSE TO CHANGES IN PLANT'S NEEDS AS WEATHER CONDITIONS CHANGE.
 - b. WEATHER-BASED CONTROLLER(S) WITHOUT WINDING RAIN SENSORS OR COMPARISON SYSTEMS THAT ACCOUNT FOR LOCAL RAINFALL SHALL HAVE A SEPARATE WIND OR WINDLESS RAIN SENSOR WHICH CORRELATES OR CORRELATES WITH THE CONTROLLER(S). SOIL-MOISTURE-BASED CONTROLLER(S) ARE NOT REQUIRED TO HAVE RAIN SENSORS (WINDING RAIN).
2. THAT A MINIMUM OF SIZE OF CONSTRUCTION WASTE IS TO BE REDUCED CDR 4.401.1
3. THAT INTERIOR MOISTURE CONTROL AT SLAB ON GRADE FLOORS SHALL BE PROVIDED BY THE SOIL ENGINEER RESPONSIBLE FOR THE PROJECT SOIL REPORT PER CDR SECTION 4.300.2.2, ITEM 3.

4. THE VENTS MUST COMPLY WITH LIMITS LISTED IN SECTION 4.300.1.3 AND TABLE 4.300.1.3.300.2.3.300.3 AND 4.300.4 FOR: MECHANICAL PARTS AND COMPONENTS, MECHANICAL PARTS, AND MECHANICAL PARTS.
5. THE MOISTURE CONTENT OF WOOD SHALL NOT EXCEED 19% BEFORE IT IS ENCLOSED IN CONSTRUCTION. THE MOISTURE CONTENT NEEDS TO BE CERTIFIED BY ONE OF 3 METHODS SPECIFIED: BUILDING MATERIALS WITH VISIBLE SIGNS OF WATER DAMAGE SHALL NOT BE USED IN CONSTRUCTION. THE MOISTURE CONTENT MUST BE DETERMINED BY THE CONTRACTOR BY ONE OF THE METHODS LISTED IN CDR 4.300.3.3.
6. AT THE TIME OF FINAL INSPECTION, A MANUAL, COMPACT DES, WEATHER-BASED REFERENCE OR OTHER MEDIA ACCEPTABLE TO THE AGENCY WHICH INCLUDES ALL OF THE FOLLOWING SHALL BE PLACED IN THE BUILDING:
 - a. INSTRUCTIONS TO THE OWNER OR OCCUPANT THAT THE MANUAL SHALL REMAIN WITH THE BUILDING THROUGHOUT THE LIFE CYCLE OF THE STRUCTURE.
 - b. OPERATOR AND MAINTENANCE INSTRUCTIONS FOR THE FOLLOWING:
 - i. EQUIPMENT AND APPLIANCES, INCLUDING WATER-SAVING DEVICES AND SYSTEMS, HVAC SYSTEMS, WATER-HEATER SYSTEMS AND OTHER MAJOR APPLIANCES AND EQUIPMENT.
 - ii. ROOF AND WIND DRAINAGE, INCLUDING GUTTERS AND DOWNSPOUTS.
 - iii. SPACE CONDITIONING SYSTEMS, INCLUDING CONDENSERS, AND AIR FILTERS.
 - iv. LANDSCAPE IRRIGATION SYSTEMS.
 - v. WATER REUSE SYSTEMS.
 - c. INFORMATION FROM LOCAL UTILITY, WATER AND WASTE RECOVERY PROVIDERS ON METHODS TO FURTHER REDUCE RESOURCE CONSUMPTION, INCLUDING RECYCLE PROGRAMS AND LOCATIONS.
 - d. PUBLIC TRANSPORTATION AND/OR CARPOOL OPTIONS AVAILABLE IN THE AREA.
 - e. EDUCATIONAL MATERIAL ON THE POSITIVE IMPACTS OF AN INTERIOR HUMIDITY BETWEEN 30-60 PERCENT AND WHAT METHODS AN OCCUPANT MAY USE TO MAINTAIN THE RELATIVE HUMIDITY LEVEL IN THAT RANGE.
 - f. INFORMATION ABOUT WATER-CONSERVING LANDSCAPE AND IRRIGATION DESIGN AND CONTROLLERS WHICH CONSERVE WATER.
 - g. INSTRUCTIONS FOR MAINTAINING GUTTERS AND DOWNSPOUTS AND THE IMPORTANCE OF DIVERTING WATER AT LEAST 5 FEET AWAY FROM THE FOUNDATION.
 - h. INFORMATION ON REQUIRED ROUTINE MAINTENANCE MEASURES, INCLUDING, BUT NOT LIMITED TO, CALCULUS, PAINTING, BRACING AROUND THE BUILDING, ETC.
 - i. INFORMATION ABOUT SOIL AND ENERGY AND INERTIAL PROGRAMS AVAILABLE.
 - j. A COPY OF ALL SPECIAL INSPECTION VERIFICATION REQUIRED BY THE ENFORCING AGENCY OR THIS CODE.

PROJECT DATA

PROJECT ADDRESS:
400 CAMBRIDGE DR
GOLETA, CA 93117
APN # 099-020-044-000

HOUSE AREA:
FLOOR PLAN 3508 SQ FT
GARAGE 167 SQ FT
COVERED ENTRY/PATIO/PORCH 427 SQ FT

PROJECT DESCRIPTION:
NEW SINGLE FAMILY HOME IN ATTACHED GARAGE.

LOT:
LOT AREA

OCCUPANCY:
R-10 SINGLE FAMILY DWELLING
IN PRIVATE GARAGE

NUMBER OF STORIES:
SINGLE STORY WITH BASEMENT

OCCUPANCY SEPARATION:
ONE-HOUR OCCUPANCY SEPARATION BETWEEN DWELLING AND GARAGE AT GARAGE SIDE ONLY.

CONSTRUCTION:
TYPE VIB, NON-PAVED (UNPAVED)

CONSULTANTS

SOILS ENGINEER
BRALIN & ASSOCIATES
922 2ND STREET 4F
EUGENIA, CA 95627
PH: (916) 666-5429
FAX: (916) 666-5429

STRUCTURAL:
ESI / PNE
1800 E. 16TH STREET
SANTA ANA, CA 92701
PH: (714) 835-2800
FAX: (714) 835-2811 FAX

OWNER
HARVEST HILL BUILDERS, LP
200 E. CARRILLO STREET
SANTA BARBARA, CA 93101
PH: (805) 962-8989

CIVIL ENGINEER
FLOWERS & ASSOCIATES, INC.
201 N. GALLE CESAR CHAVEZ
SUITE 100
SANTA BARBARA, CA 93103
PH: (805) 966-2224
PH: (805) 965-5572 FAX

ENERGY CONSULTANT
SOLARBY, INC.
2202B VENTURA BLVD.
WOODLAND HILLS, CA 91364
PH: (818) 541-5046
PH: (818) 541-4475 FAX

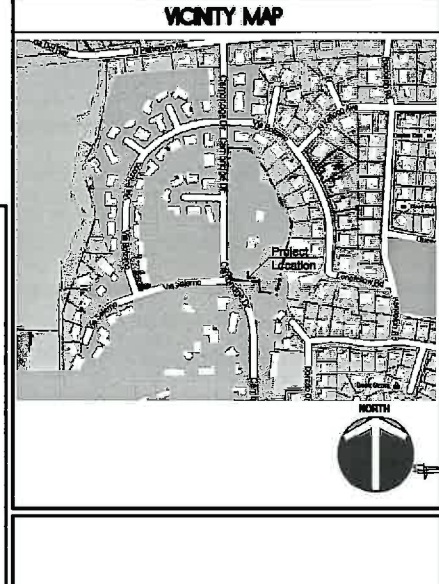
ARCHITECT
RICHARD T. THORNE - ARCHITECT
6924 SHADOW WOOD DRIVE
MOORPARK, CA 93021
805-964-9879 FAX/PHONE

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RECEIVED
JUN 21 2018
City of Goleta
Planning & Environmental Svcs.

CURRENT SET DATE:
6-18-18

BUILDING CODES:
2018 CALIFORNIA BUILDING CODE (CBC)
2018 CALIFORNIA MECHANICAL CODE (CMC)
2018 CALIFORNIA PLUMBING CODE (CPC)
2018 CALIFORNIA ELECTRICAL CODE (CEC)
2018 CALIFORNIA FIRE CODE (FC)
2018 CALIFORNIA ENERGY CODE (TIA)
2018 CALIFORNIA RESIDENTIAL CODE (CRC)
2018 CALIFORNIA GREEN BUILDING STANDARDS CODE
WITH ALL OTHER CODES AND ORDINANCES
ALL LIGHTING, HEATING, AND COOLING SHALL COMPLY WITH THE REQUIREMENTS
OF THE 2018 RESIDENTIAL ENERGY STANDARDS.



RICHARD T. THORNE ARCHITECT architecture / planning

residence for:
HARVEST HILL ESTATES
LOT 1

6-12-18
REVISION



6-12-18
C



6924 SHADOW WOOD DRIVE, MOORPARK, CA, 93021 - 805-969-9879 fax/phone - richard@rffdata.com e-mail

residence for:
HARVEST HILL ESTATES
LOT 1

6-12-18



SHEET

A1

© 2018

Richard T. Thaxton

SCALE: 1/4" = 1'-0"

40 INDICATES FLOOR PLAN NOTES - SEE NUMBERS BELOW:

- 40 INDICATES FLOOR PLAN NOTES - SEE NUMBERS BELOW:
- ALL MANUFACTURED EQUIPMENT SHALL BE INSTALLED AS PER MANUFACTURER'S SPECIFICATION AND DIMENSIONS VERIFIED WITH INSTALLATIONS REQUIREMENTS. VERIFY MANUFACTURER WITH BUILDER. VERIFY ALL SUBMITTAL AND PLUMBING SPECIFICATIONS WITH BUILDER.
- 1 KITCHEN SINK WITH GARBAGE DISPOSAL (VERIFY WITH BUILDER) IN CORNER/SINK VERIFY DIMENSIONS WITH MANUFACTURER. VERIFY DIMENSIONS WITH BUILDER. PROVIDE 4" CLEAR REFRIGERATOR / FREEZER SPACE. PROVIDE ROUGH PLUMBING FOR ICE MANGER.
- 2 SINK WITH HOOD LIGHT AND HIN. TO CH. LOW (3) DISCREPANT EXHAUST FAN ABOVE. VERIFY HOOD IS WITH BUILDER.
- 3 CUPBKR SINK
- 4 PROVIDE CROWNMOE SPACE - VERIFY WITH INTERIOR DES. (VERIFY DIMENSIONS WITH MANUFACTURER SPECIFICATIONS)

7. UTILITY LINES:
8. PROVIDE HOT WATER AND WATER FOR WASHING MACHINE IN REDUCED MAIN BOLD.
9. PROVIDE COVER NEXT TO GUISSE AIR.
10. THROATLESS GAS WATER HEATER - PROVIDE EXHAUST VENTING PER MANUFACTURER'S - SEE ENERGY CODE SECTION 403.10.
11. PROVIDE EXHAUST VENTING FOR GAS STOVE AND ELECTRICAL DUCTILE.
12. PROVIDE IMPROPERLY PARALLELITY.
13. PROVIDE CONTRASTING COLOR FOR ALL FLOORING AND EQUIPMENT AND THE CONTROLS. ALSO PROVIDE UNOBTAINED WORK SPACE.
14. PROVIDE EQUIPMENT AND SUPPORTING POINTS OR COLUMNS SHALL BE PROVIDED WITH A LATER 3/4" TYPE "X" INTERNAL - 2 LAYERS OF 1/2" OBTAINING 1/2" MINIMUM THICKNESS. IF THICKNESS IS 2 1/4" OBTAIN - SEE DETAILS FOR MORE INFORMATION.
15. PROVIDE 2" STIFF WALL AND WALL LINED.
16. 2"X6 STUD BALCONIED FRAMED WALL.
17. PROVIDE 2"X6 STUD BALCONIED FRAMED WALL AND BOTTOM (EXTERNAL).
18. TOP OF DOW THRESHOLD TO BE A MINIMUM OF 1/2" ABOVE.
19. PROVIDE 1/2" MINIMUM TOP TO ALL FLOORING BUT MACHINE ACCESS.
20. THE SHOWER PAN AND CURB WITH THE WAREHOUSE TO GOING

- 20 WOOD FRAMING STUDS SET AT 16" ON FLOOR. 20
21 ACROSS TRAIL AND JOISTER WITH THE WAGONET TO CEILING 21
22 OTHER 2-20S FLOOR/CEILING PLASTER AND FELT AT 22
23 JOISTER WALLS. 23
24 SORTED OF TENSILE CEMENT TO BE A MINIMUM OF 1/2" TO VERTICAL 24
25 JOISTER WALLS. 25
26 TYPE WITH 1 GALLON LBS. 26
27 2" X 2" X 2" STUDS, 1/2" BETTER 4" ON FLOOR, SEE 27
28 DETAIL 25/27. 28
29 2" X 2" STUDS, 1/2" WITH THE PLATFORM. 29
30 JOISTER HEAD AT +0' - SUFFICIENT HEAD ARM JUNCTION TO HEAD. 30
31 31 PRECAST REINFORCING PLASTER, PROVIDE LARS CROSS CAP 31
32 32 PRECAST REINFORCING PLASTER, PROVIDE LARS CROSS CAP 32
33 MATERIALS SHALL NOT BE PLACED WITHIN 6" (30mm) OF 33
34 THE PRECAST REINFORCING PLASTER, PROVIDE LARS CROSS CAP 34
35 FOR EACH 1/2" (12mm) CLEARANCE FROM SUCH REINFORCING OR SECTION 35
36 36 3/4" MARCH-1 LINE PLASTER, PROVIDE LARS CROSS CAP 36
37 37 PRECAST REINFORCING PLASTER, PROVIDE LARS CROSS CAP 37
38 MATERIALS SHALL NOT BE PLACED WITHIN 6" (30mm) OF 38
39 THE PRECAST REINFORCING PLASTER, PROVIDE LARS CROSS CAP 39
40 OF THE PRECAST REINFORCING PLASTER, PROVIDE LARS CROSS CAP 40
41 41 3/4" MARCH-1 LINE PLASTER, PROVIDE LARS CROSS CAP 41
42 FOR EACH 1/2" (12mm) CLEARANCE FROM SUCH REINFORCING OR SECTION 42
43 43 3/4" MARCH-1 LINE PLASTER, PROVIDE LARS CROSS CAP 43
44 REINFORCING PLASTER, PROVIDE LARS CROSS CAP 44
45 REINFORCING PLASTER, PROVIDE LARS CROSS CAP 45
46 REINFORCING PLASTER, PROVIDE LARS CROSS CAP 46
47 REINFORCING PLASTER, PROVIDE LARS CROSS CAP 47
48 REINFORCING PLASTER, PROVIDE LARS CROSS CAP 48
49 REINFORCING PLASTER, PROVIDE LARS CROSS CAP 49
50 REINFORCING PLASTER, PROVIDE LARS CROSS CAP 50

- 29 FINISH IN GLOSS CRISTAL MIRROR LAYOUT WITH BUILDUP.
30 20'x40'x6" SLIP-ON SLIP-ON WOODEN WITH BAG FINISH - SEE EXTERIOR
31 RELATIONS.
32 10'x10'x6" WOOD TRUSS - VERNY SIZE WITH ARCHITECT AND BUILDUP.
33 10'x10'x6" WOOD TRUSS - VERNY SIZE WITH ARCHITECT AND BUILDUP.
34 10'x10'x6" WOOD TRUSS - VERNY SIZE WITH ARCHITECT AND BUILDUP.
35 10'x10'x6" WOOD TRUSS - VERNY SIZE WITH ARCHITECT AND BUILDUP.
36 10'x10'x6" WOOD TRUSS - VERNY SIZE WITH ARCHITECT AND BUILDUP.
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38 10'x10'x6" WOOD TRUSS - VERNY SIZE WITH ARCHITECT AND BUILDUP.
39 10'x10'x6" WOOD TRUSS - VERNY SIZE WITH ARCHITECT AND BUILDUP.
40 10'x10'x6" WOOD TRUSS - VERNY SIZE WITH ARCHITECT AND BUILDUP.
41 10'x10'x6" WOOD TRUSS - VERNY SIZE WITH ARCHITECT AND BUILDUP.

- VERIFY ALL AUDIO/VISUAL AND SECURITY SYSTEM REQUIREMENTS WITH OWNER.

- TYPICAL NOTES:**
1. ALL HORIZONTAL GIRDING DRYWALL APPLIED TO TRUSSES SHALL BE 5/8" DRYWALL BOARD.
 2. ALL EXTERIOR WEEDING TO BE METAL REFER TO PLANS FOR SIZE AND EXTERIOR ELEVATION FOR ALL BREAK-UPS.
 3. EXCEPT FOR PRELACES THAT OPEN TO THE EXTERIOR OF THE BUILDING, THE HEALTH LAIR SHALL BE TIGHTLY DETACHABLE FROM THE SURROUNDING OR ADJACENT FLOOR.
 4. ALL FOAM PLASTIC INSULATION SHALL HAVE A FLAME-SPREAD RATING OF 100 AND A SMOKE-DEVELOPED RATING OF 10 OR MORE THAN 450.
 5. ALL INTERIOR FINISHES HAS HAVE METAL OR GLASS DOORS.
 6. ALL INTERIOR FINISHES SHALL BE 1/2" DRYWALL BOARD.
 7. ALL EXTERIOR WALKING SURFACES OVER BOLLARDS CONSTRUCTION FLOOR/GRADING ASSEMBLIES SHALL BE 100-15 LISTED WEATHER RESISTANT.

- LIST OF ABBREVIATIONS:

- | | |
|----------|-----------------------|
| S.H. | SINGLE HUNG |
| BL. | GLIDER OR SLIDING |
| F.G. | FIXED GLASS |
| O.P.T. | OPTIONAL |
| ELEV. | ELEVATION |
| C.L.G. | CEILING |
| F.M.C. | FLOOR MATERIAL CHANGE |
| F.R.D.R. | FRENCH DOOR |
| W/ | WITH |
| WARD. | WARDROBE |
| S & P | SHIELD & POLE |

SQUARE FOOTAGE

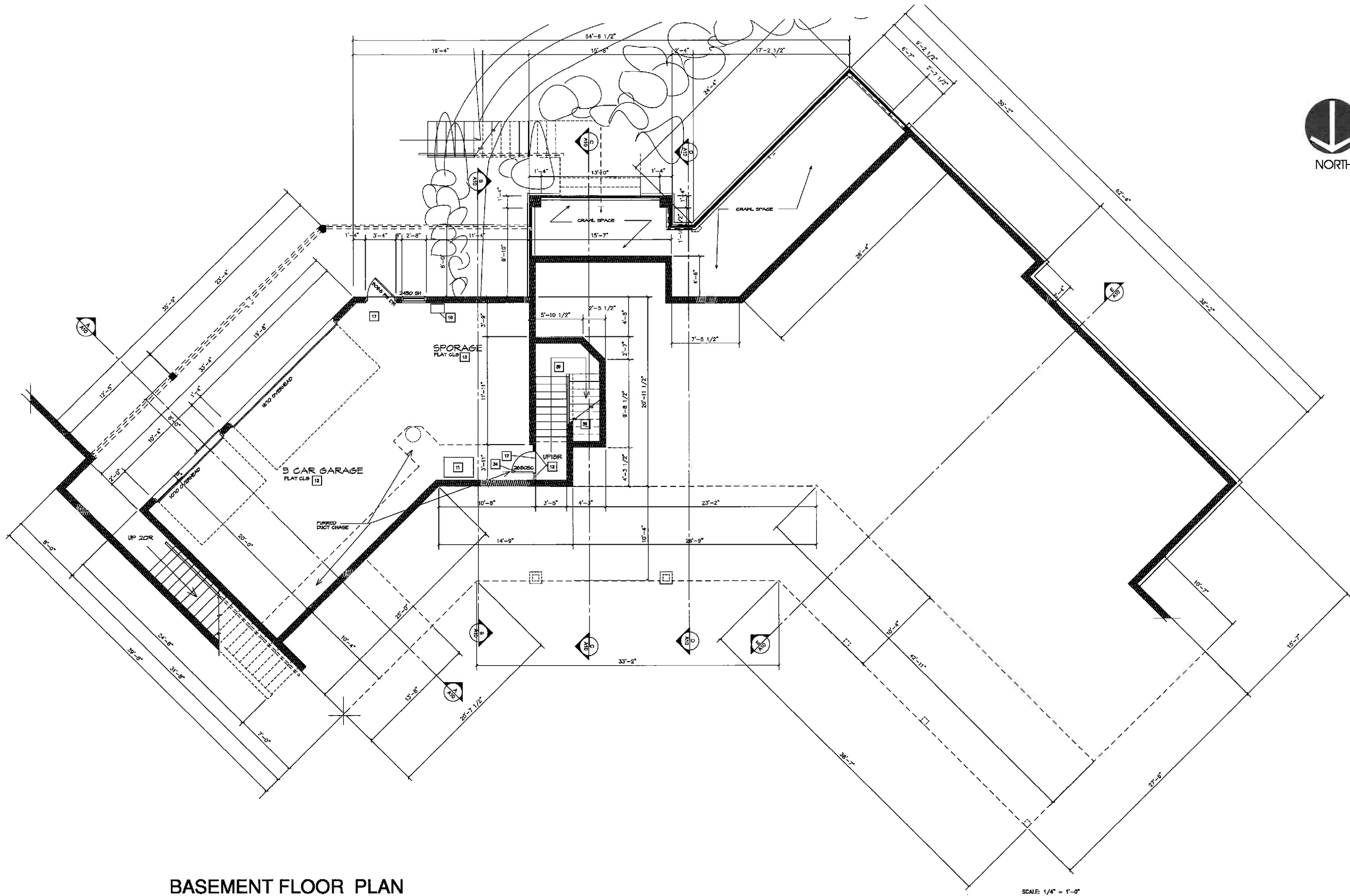
FLOOR PLAN:	LEVEL ONE	3688 SQ FT
	BASEMENT	1002 SQ FT
	TOTAL	4690 SQ FT TOTAL
GARAGE:		878 SQ FT
COVERED ENTRY, PORCH:		1160 SQ FT

Wall Legend

-  4" WALLS
 6" WALLS
 8X4X16 SLUMPBLK WALLS WITH 8X8X16 CMU AT INTERIOR SURFACES

SHEET

A1

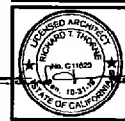




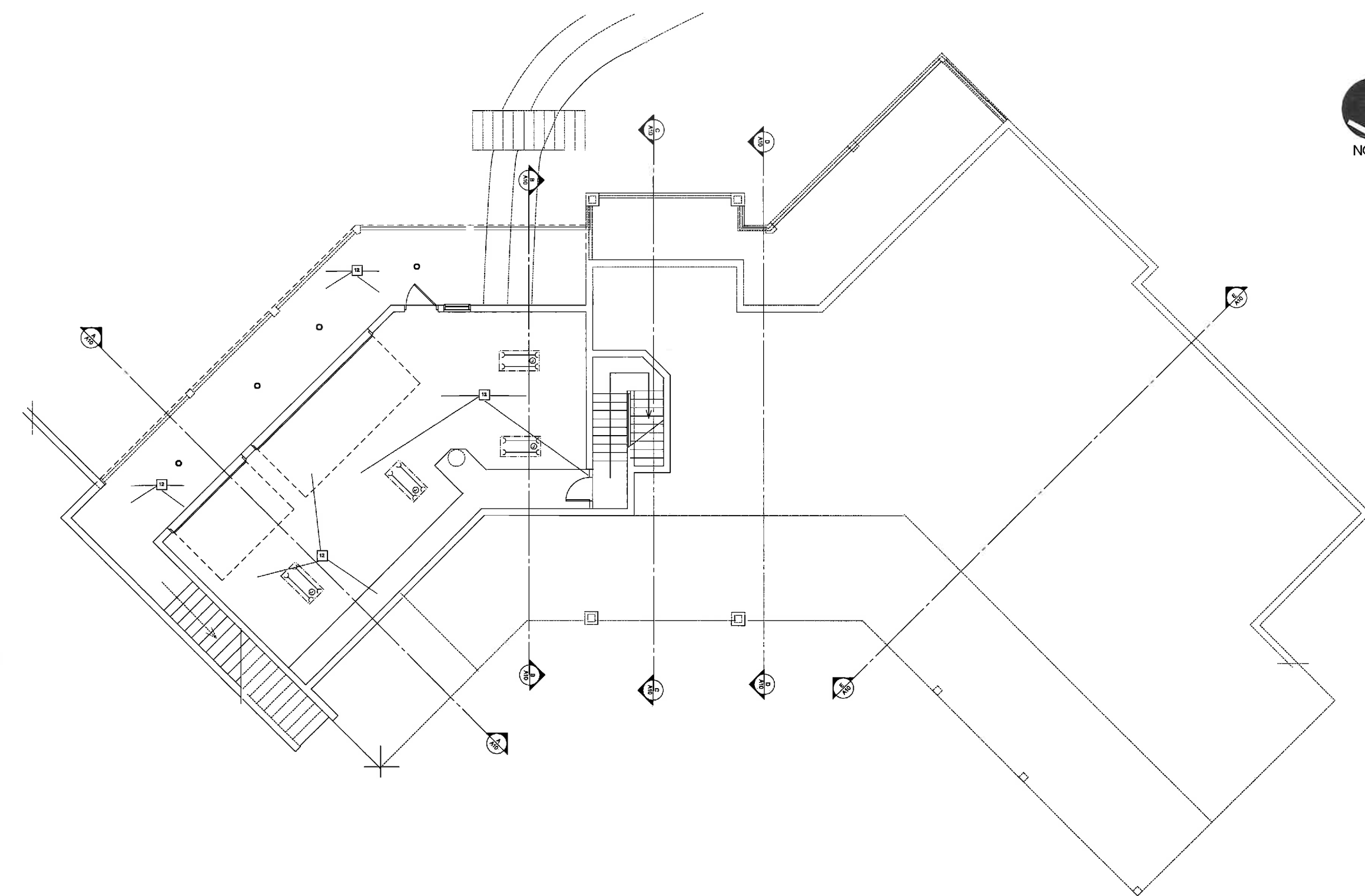
SCALE: 1/4" = 1'-0"

residence for:
HARVEST HILL ESTATES
LOT 1

- GARAGE: 878 SQFT
COVERED ENTRY, PORCH: 1740 SQFT



A3



BASEMENT REFLECTED CEILING PLAN

SCALE: 1/4" = 1'-0"

PLAN NOTES

- 14 INDICATES FLOOR PLAN NOTES - SEE NUMBERS BELOW
- 1 KITCHEN SINK WITH GARAGE DISPOSAL/VERIFY WITH BUILDING
- 2 BUILT-IN OVERSINK/VERIFY DISPOSITION WITH MANUFACTURER SPECIFICATIONS
- 3 PROVIDE 4" CLEAR RETENTION / FREEZER SPACE
- 4 PROVIDE REAR PLUMBING FOR ICE MAKER
- 5 4" FLOOR - WITH HIGH LIGHT AND MIN. 100 CM LOW NOISE (S) DECELERATED EXHAUST FAN ABOVE. VERIFY HOOD DESIGN WITH BUILDING
- 6 PROVIDE MECHANICAL SPACE - VERIFY WITH INTERIOR DESIGNER. (VERIFY EMBODIMENT WITH MANUFACTURER SPECIFICATIONS)

- 7 UTILITY SINK
- 8 PROVIDE WHITE AND WATER FOR WASHING MACHINE IN RECESSED WALL SINK
- 9 PROVIDE OTHER VENT TO OUTSIDE AIR
- 10 THAWLESS GAS WATER HEATER - PROVIDE EXHAUST NOTHING PER MANUFACTURER - SEE ENERGY COMPLIANCE CALC.
- 11 FURN - FUEL GAS SHUT-OFF AND ELECTRICAL OUTLET
- 12 PROVIDE UNRESTRICTED PASSAGEWAY
- 13 3/4" MIN. OF CONTINUOUS FLOORING FROM ACCESS TO EQUIPMENT AND ITS CONTROLS. ALSO PROVIDE UNRESTRICTED WORK SPACE IN FRONT OF EQUIPMENT 30" DEPTH MIN.
- 14 2" TYPE 1/2" DETAIL AT CEILING IF THERE LAYOUT IS 3/4" O.C. - SEE DETAILS FOR MORE INFORMATION
- 15 8" FLOORING WALL
- 16 2X GRID WALL, SEE WALL LEGEND
- 17 2X GRID WALL, SEE WALL LEGEND
- 18 DEAD BOLT RATCHET DOOR AT TOP AND BOTTOM (EXTERIOR)
- 19 TOP OF DOOR TECHNICALLY TO BE A MINIMUM OF 1/2" NOTIC
- 20 EXTERIOR LANDING, TYP. AT ALL EXTERIOR GUT SINK DOORS
- 21 TILE SHALL FIN AND GIVE WITH TILE W/STRETCH TO CEILING
- 22 UNDER 2-COND PORTLAND CEMENT PLASTER AND FILL AT ADJACENT WALLS. PROVIDE SWEET GLASS CHANGING

- 23 WOOD FRAMES, STONE HEAT AT 1/4" FROM FLOOR
- 24 2-COND TUB AND SHOWER WITH TILE W/STRETCH TO CEILING
- 25 OVER 2-COND PORTLAND CEMENT PLASTER AND FILL AT ADJACENT WALLS
- 26 CENTER OF WATER CLOSET TO BE A MINIMUM OF 18" TO VERTICAL SURFACE OF SINKS. WATER CLOSET SHALL BE TAILIN LOW FLUSH
- 27 TYP. WITH 1/2 GALLONS MIN.
- 28 1/2" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 29 1/2" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 30 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 31 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 32 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 33 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 34 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 35 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 36 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 37 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
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- 39 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
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- 99 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201
- 100 4" MIN. RECESSED SOAP OVER, BOTTOM 48" FROM FLOOR. SEE DETAIL 201

- VERIFY ALL AUDIO/VISUAL AND SECURITY SYSTEM REQUIREMENTS WITH OWNER
- TYPICAL NOTES:
1. ALL HORIZONTAL CEILING DRYWALL APPLIED TO TRUSSES FOR SIZE AND EXTERIOR ELEVATION FOR ALL BREAK-UPS.
2. EXCEPT FOR FIREPLACES THAT OPEN TO THE EXTERIOR OF THE BUILDING, THE HEARTH GLASS SHALL BE READILY DISTINGUISHABLE FROM THE SURROUNDING OR ADJACENT FLOOR.
3. ALL FOAM PLASTIC INSULATION SHALL HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 75 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 450.
4. ALL EXTERIOR FIREPLACES HAS HAVE METAL OR GLASS DOORS, COMBUSTION AIR INTAKE, AND A FLUE DAMPER.
5. ALL EXTERIOR WALKING SURFACES OVER ENCLOSED CONSTRUCTION/ FLOOR/CEILING ASSEMBLY SHALL BE ICC-ES LISTED (WEATHERPROOF WALKING SURFACES ASSEMBLY)

- LIST OF ABBREVIATIONS:
- S.H. SINGLE HANG
- S.L. SLIDER ON SLIDING
- F.G. FIXED GLASS
- O.P.C. OPTIONAL
- ELEV. ELEVATION
- C.D. CEILING
- F.M.C. FLOOR MATERIAL CHANGE
- FLOOR FLOOR
- W/ WITH
- WARD. WARDROBE
- S & P SHELF & POLE

SQUARE FOOTAGE	
FLOOR PLAN:	LEVEL ONE 3585.50 FT
BASEMENT	1021.50 FT
TOTAL	4607.00 FT TOTAL
GARAGE:	878.50 FT
COVERED ENTRY, PORCH:	1740.50 FT

residence for:
HARVEST HILL ESTATES
Lot 1

6-12-18

REVISIONS

6-12-18

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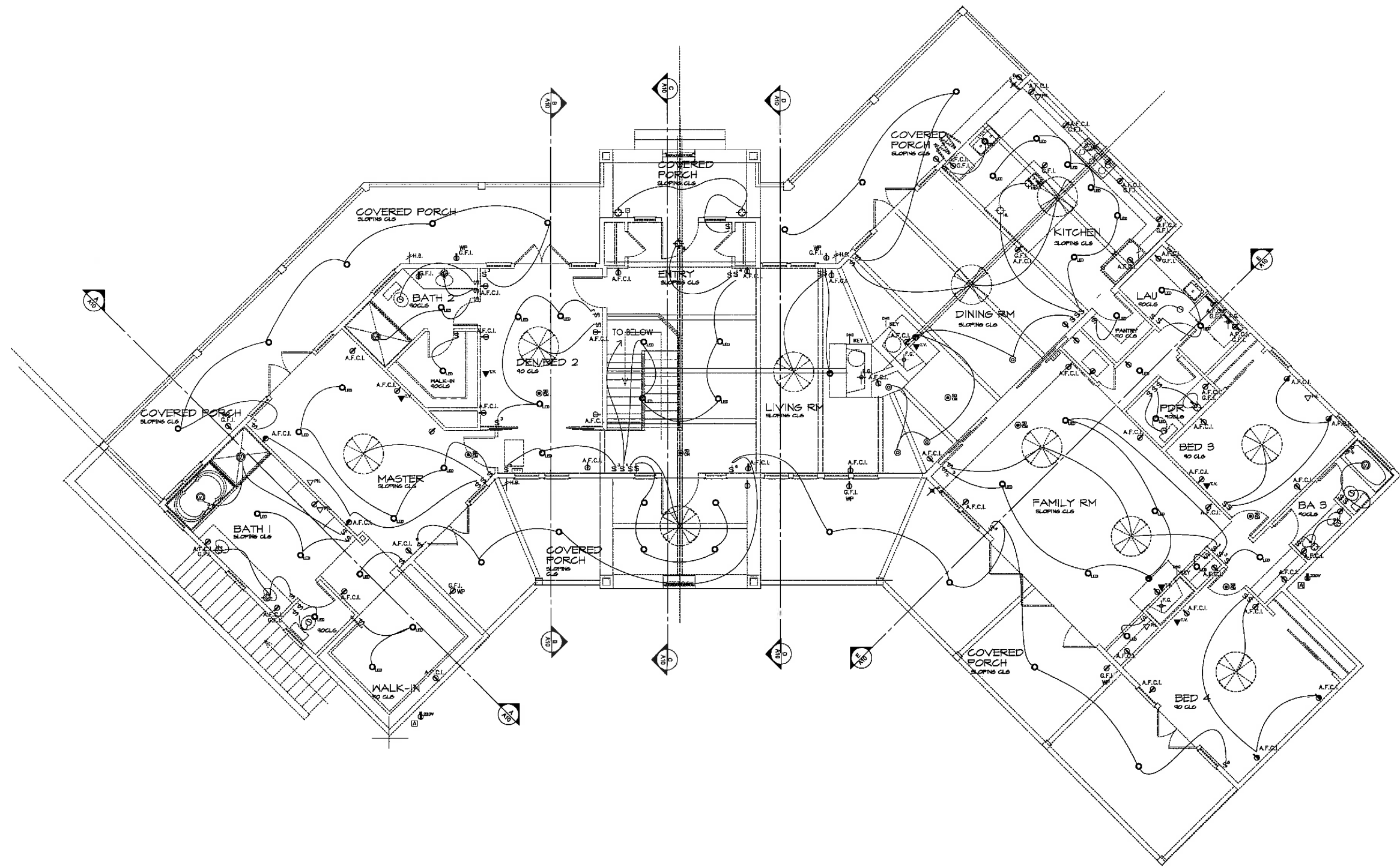
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RICHARD T. THORNE ARCHITECT architecture / planning

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Richard



LEVEL ONE ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

ELECTRICAL NOTES

- 110V WALL OUTLET
- 110V WALL OUTLET UNDER CABINET
- 1/2 HOT 110V OUTLET
- 1/2 HOT 110V OUTLET UNDER CABINET
- 220V WALL OUTLET
- 110V OUTLET WIRE FOR AUTOMATIC GARAGE DOOR OPENER PER MANUFACTURER'S SPECIFICATIONS
- OUTLET FOR AUTOMATIC SPRINKLER SYSTEM AT +48"
- WATERPROOF OUTLET DIRECTLY UNDER EAVE FOR SEASONAL LIGHTING
- OUTLET FOR LANDSCAPE LOW VOLTAGE TIMER PROVIDE PROTECTIVE COVER
- 110V FLOOR OUTLET

- WP WATER PROOF OUTLET
- G.F.I. GROUND FAULT INTERRUPTER
- A.F.C.I. ARC-FAULT CIRCUIT INTERRUPTER
- OC OCCUPANCY SENSOR (MANUAL ON / AUTO-OFF)
- M/P MOTION SENSOR / INTEGRAL PHOTOCELL
- SWITCH
- 3-WAY SWITCH
- DIMMER SWITCH
- BRACKET LIGHT
- PHOTO CELL - RECESSED CAN LIGHT
- PHOTO CELL - BRACKET LIGHT
- TIMER-CONTROLLED LIGHT FIXTURE
- 4" RECESSED ART LIGHT - MR16 LAMP (LOW VOLTAGE)
- 5" RECESSED CAN LIGHT
- 5" RECESSED LED CAN LIGHT
- 4" EYEBALL LIGHT - MR16 LAMP (LOW VOLTAGE)

- HANGING LIGHT
- TRACK LIGHT
- 48" DOUBLE TUBE FLUORESCENT FIXTURE
- LED TAPE LIGHT

- VAPOR PROOF LIGHT
- SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE, CONNECT TO FIRST SWITCH AS ENTERING ROOM (40 LUMENS PER WATT EFFICACY MIN.)
- COMBINATION FLUORESCENT LIGHT/FAN FIXTURE, CONNECT TO FIRST SWITCH AS ENTERING ROOM (40 LUMENS PER WATT EFFICACY MIN.) VENT FAN TO OUTSIDE AIR, CAPABLE OF 5 AIR CHANGES PER HOUR. SWITCH LIGHT & FAN SEPARATE.

- COMBINATION LIGHT AND EXHAUST FAN VENT TO OUTSIDE AIR, CAPABLE OF 5 AIR CHANGES PER HOUR.
- 50 CFM EXHAUST FAN - VENT TO OUTSIDE AIR.
- T.V. JACK
- PHONE JACK
- SMOKE ALARM TO 120V W/ BATTERY BACK-UP PROVIDE INTERCONNECTION SO THAT THE ACTIVATION OF ANY SMOKE ALARM WILL ACTIVATE ALL SMOKE ALARMS IN THE DWELLING.
- SMOKE AND CARBON MONOXIDE ALARM TO 120V W/ BATTERY BACK-UP PROVIDE INTERCONNECTION SO THAT THE ACTIVATION OF ANY ALARM WILL ACTIVATE ALL ALARMS IN THE DWELLING.
- DOORBELL PUSHBUTTON
- CHIMES
- JUNCTION BOX
- AIR CONDITIONER FUSE - PROVIDE AN OUTLET WITHIN 25'-0" OF A.C. UNIT.
- AUTOMATICALLY ILLUMINATED ADDRESS NUMBERS NOT LESS THAN 4" HIGH, CLEARLY VISIBLE FROM THE STREET OR ACCESS ROAD.

- TIMER CONTROLLED RECESSED CAN LIGHT
- TIMER LOCATION
- UNDER TUE KICK FLUORESCENT ROPE LIGHT
- FLUORESCENT ROPE LIGHT AT DOOR HEAD ACTIVATED WITH JAMB SWITCH

- PRE-WIRE FOR OPTIONAL CEILING FAN.
- PLAN NOTE - SEE FLOOR PLAN SHEETS FOR INFORMATION.
- EXTERIOR GRADE ELECTRICAL HEATER, RECESSED IN CEILING.

MECHANICAL

- F.G. FUEL GAS
- KEY KEY FOR LOG LIGHTER
- PLUMBING FOR ICE MAKER
- H.B. HOSE BIB
- H.B. W/ S.O. HOSE BIB WITH SHUTOFF

residence for:
HARVEST HILL ESTATES
LOT 1

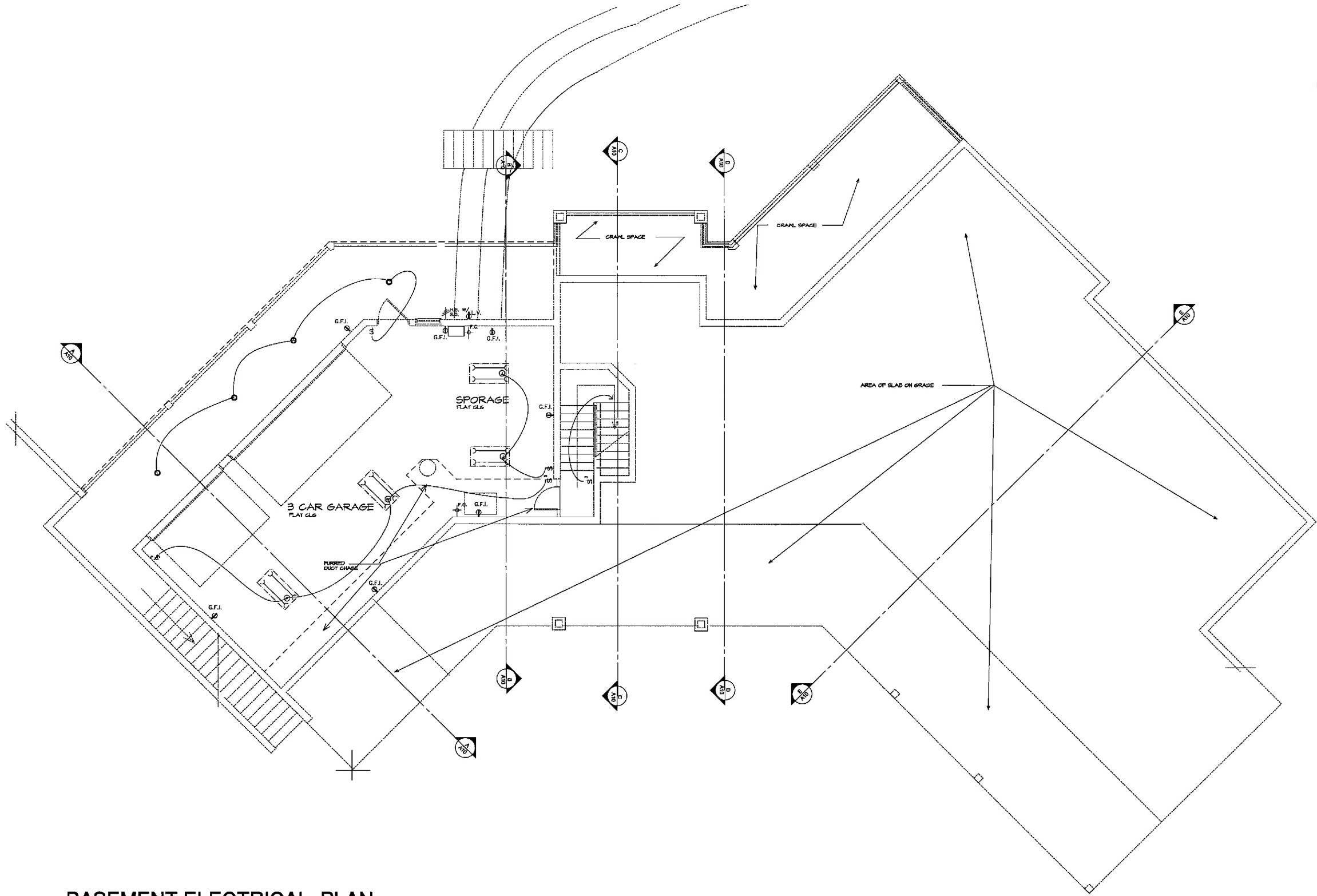


9 FEET
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RICHARD T. THORNE ARCHITECT architecture / planning

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BASEMENT ELECTRICAL PLAN

ELECTRICAL NOTES

- 110V WALL OUTLET
- 110V WALL OUTLET UNDER CABINET
- 1/2 HOT 110V OUTLET
- 1/2 HOT 110V OUTLET UNDER CABINET
- 220V WALL OUTLET
- 110V OUTLET WIRE FOR AUTOMATIC GARAGE DOOR OPENER PER MANUFACTURER'S SPECIFICATIONS
- OUTLET FOR AUTOMATIC SPRINKLER SYSTEM AT +45'
- WATERPROOF OUTLET DIRECTLY UNDER EAVE FOR SEASONAL LIGHTING
- OUTLET FOR LANDSCAPE LOW VOLTAGE TIMER PROVIDE PROTECTIVE COVER
- 110V FLOOR OUTLET

- W/P WATER PROOF OUTLET
- G.F.I. GROUND FAULT INTERRUPTER
- A.F.C.I. ARC-FAULT CIRCUIT INTERRUPTER
- DC. OCCUPANCY SENSOR (MANUAL ON / AUTO-OFF)
- M/P MOTION SENSOR / INTEGRAL PHOTOCELL
- SWITCH
- 3-WAY SWITCH
- DIMMER SWITCH
- BRACKET LIGHT
- PHOTO CELL - RECESSED CAN LIGHT
- PHOTO CELL - BRACKET LIGHT
- TIMER-CONTROLLED LIGHT FIXTURE
- 4" RECESSED ART LIGHT - MR16 LAMP (LOW VOLTAGE)
- 5" RECESSED CAN LIGHT
- 5" RECESSED LED CAN LIGHT
- 4" EYEBALL LIGHT - MR16 LAMP (LOW VOLTAGE)

- HANGING LIGHT
- TRACK LIGHT
- 48" DOUBLE TUBE FLUORESCENT FIXTURE
- UNDER CABINET FLUORESCENT LIGHT FIXTURE, CONNECT TO FIRST SWITCH AT ENTRY OF ROOM (40 LUMENS PER WATT EFFICACY MIN.)
- LED TAPE LIGHT
- VAPOR PROOF LIGHT
- SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE, CONNECT TO FIRST SWITCH AS ENTERING ROOM (40 LUMENS PER WATT EFFICACY MIN.)
- COMBINATION FLUORESCENT LIGHT/FAN FIXTURE, CONNECT TO FIRST SWITCH AS ENTERING ROOM (40 LUMENS PER WATT EFFICACY MIN.) VENT FAN TO OUTSIDE AIR, CAPABLE OF 5 AIR CHANGES PER HOUR. SWITCH LIGHT & FAN SEPARATE.

- COMBINATION LIGHT AND EXHAUST FAN VENT TO OUTSIDE AIR, CAPABLE OF 5 AIR CHANGES PER HOUR
- 60 CFM EXHAUST FAN - VENT TO OUTSIDE AIR
- PHONE JACK
- SMOKE ALARM TO 120V W/ BATTERY BACK-UP PROVIDE INTERCONNECTION SO THAT THE ACTIVATION OF ANY SMOKE ALARM WILL ACTIVATE ALL SMOKE ALARMS IN THE DWELLING
- SMOKE AND CARBON MONOXIDE ALARM TO 120V W/ BATTERY BACK-UP PROVIDE INTERCONNECTION SO THAT THE ACTIVATION OF ANY ALARM WILL ACTIVATE ALL ALARMS IN THE DWELLING
- DOORBELL PUSHBUTTON
- CHIMES
- JUNCTION BOX
- AIR CONDITIONER FUSE - PROVIDE AN OUTLET WITHIN 25'-0" OF A.C. UNIT
- AUTOMATICALLY ILLUMINATED ADDRESS NUMBERS NOT LESS THAN 4" HIGH, CLEARLY VISIBLE FROM THE STREET OR ACCESS ROAD

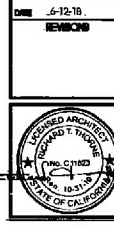
- TIMER CONTROLLED RECESSED CAN LIGHT
- TIMER LOCATION
- UNDER TUE KICK FLUORESCENT ROPE LIGHT
- FLUORESCENT ROPE LIGHT AT DOOR HEAD ACTIVATED WITH JAMB SWITCH
- PRE-WIRE FOR OPTIONAL CEILING FAN
- PLAN NOTE - SEE FLOOR PLAN SHEETS FOR INFORMATION
- EXTERIOR GRADE ELECTRICAL HEATER, RECESSED IN CEILING

MECHANICAL

- F.G. FUEL GAS
- KEY KEY FOR LOG LIGHTER
- PLUMBING FOR ICE MAKER
- HOSE BIB
- HOSE BIB WITH SHUTOFF



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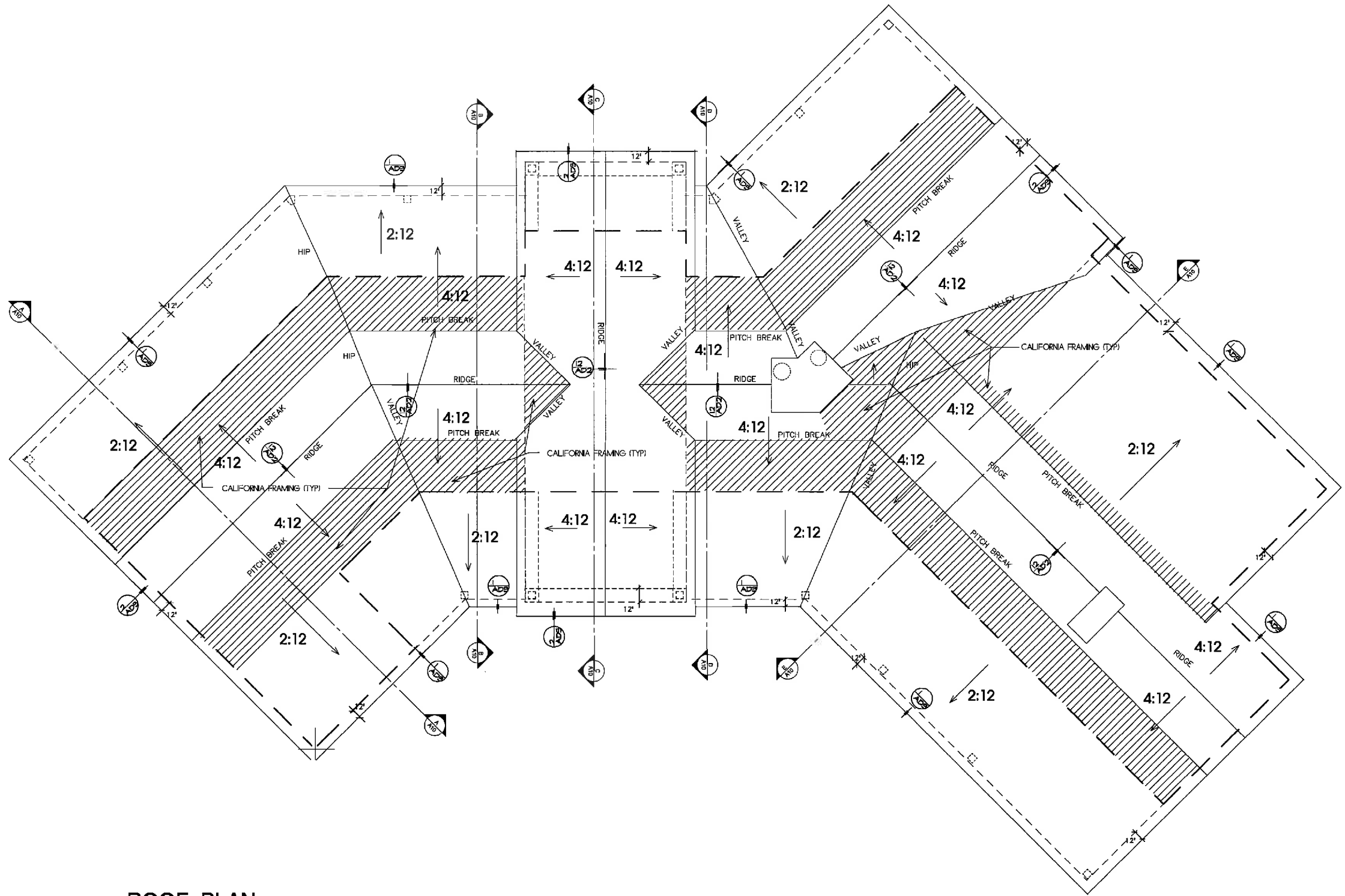


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ROOF PLAN

SCALE: 1/4" = 1'-0"

ROOF NOTES

ROOF SLOPE:
AS NOTED ON PLAN 2/12 OR 4/12.
ROOF COVERING ASSEMBLY SHALL BE AN ICC-ETL OR
UL LISTED ROOF ASSEMBLY COMPLYING WITH ASTM E 1592
OR UL 790 AND ROOF SHEATHING, UNDERLAYMENT AND
ATTACHMENT SHALL BE ADEQUATE FOR 80 MPH WIND LOADS.

ATTIC VENTILATION:
AS NOTED ON PLAN AND DETAILS 8 AND 9/AD2, 1 AND 7/AD3.



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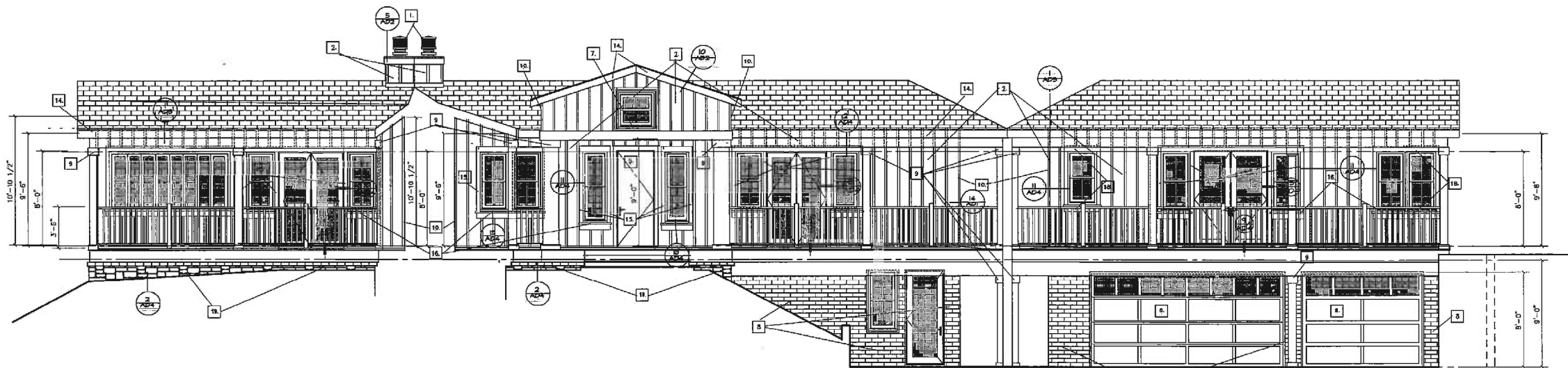
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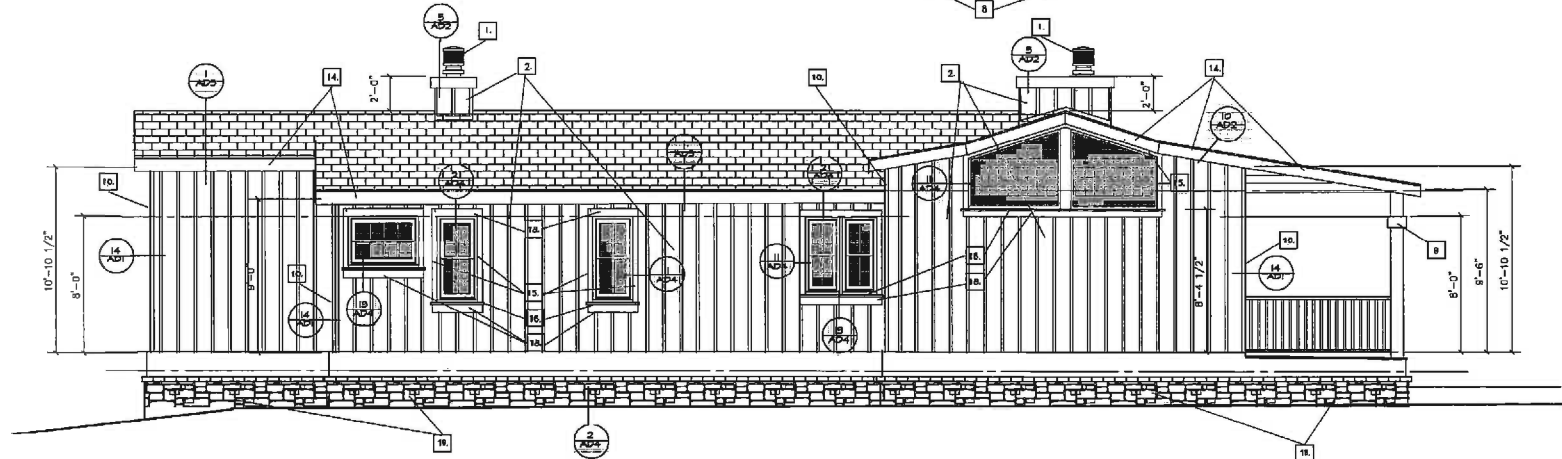
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FRONT ELEVATION (SOUTH)

SCALE: 1/4" = 1'-0"



LEFT ELEVATION (WEST)

SCALE: 1/4" = 1'-0"

ELEVATION NOTES

18. INDICATES ELEVATION NOTES, SEE NUMBER BELOW:

1. G.I. CHIMNEY CAP W/ 1000 APPROVED SPARK ARRESTOR.
2. 4X10 SHEET HARDIPANEL SIDING - CEDERMILL W/ 1X3 BATT AT 16" O.C. (HARITE - TEXTURED RUSTIC).
3. HARDIPANEL LAP SIDING - CEDERMILL.
4. 14X14" G.I. SCREENED GARAGE VENT.
5. ENTRY DOOR - VENTY DOOR WITH BULLDOZ.
6. ROLL-UP SECTIONAL GARAGE DOOR, CARRIAGE DOOR DESIGN.
7. VENTY W/ BULLDOZ & SLANT SHOT DRAPERS TO ARCHITECT PROVIDE "BRACE ICE & WATER SHIELD" AT ALL HORIZONTAL SURFACES SLOPE MIN. 1/4" PER FOOT TO DRAIN. LAP DOWN SIDING MIN. 12".
8. 4X8X10 SLUMP BLOCK VENEER W/ BAG FINISH.
9. 7 1/4" HARDIPANEL.
10. 3" HARDIPANEL CORNER BOARD.
11. WOOD ATYIC VENT.
12. 4" SOLID CORNER.
13. 4" SLUMP BLOCK SILL.
14. 2X FASER.
15. 3 1/2" HARDIPANEL.
16. "RUSTIC" HARDIPANEL DRIP CAP SILL / 5 1/2" HARDIPANEL BELOW.
17. STANDING SEAM METAL ROOF.
18. 3 1/2" HARDIPANEL.
19. FIELD STONE - CULTURED STONE/SHARP VENEER.

NOTE: KEEP SIDING SHALL BE PLACED A MINIMUM OF 4 INCHES ABOVE THE EARTH OR 2 INCHES ABOVE PAVED AREAS

CHIMNEY NOTE:
DECORATIVE SYMBOLS SHALL BE LISTED AND LABELED FOR USE WITH THE SPECIFIC FACTORY BUILT CHIMNEY SYSTEM PROVIDE REQUIRED INFORMATION TO THE BUILDING INSPECTOR FOR APPROVAL PRIOR TO INSTALLATION.

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LOT 1

6-12-18
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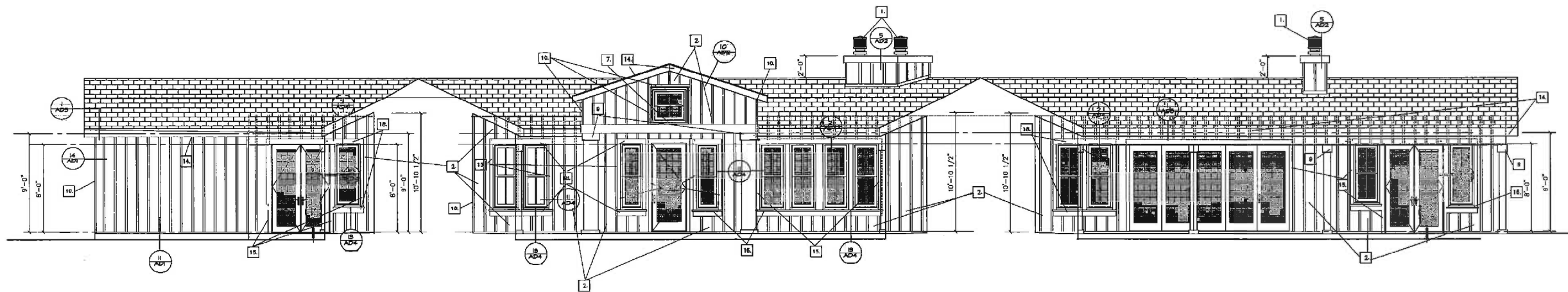


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Thorne AIA



REAR ELEVATION (SOUTH)

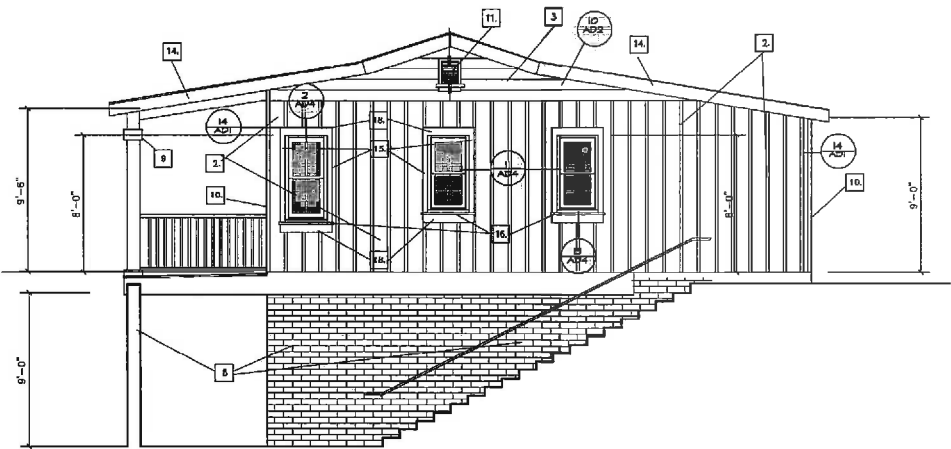
SCALE: 1/4" = 1'-0"

ELEVATION NOTES

- 18 INDICATES ELEVATION NOTES, SEE NUMBER BELOW.
1. C.I. CHIMNEY CAP W/ 1000 APPROVED SPARK ARRESTOR PROVIDED BY FIREPLACE MANUFACTURER.
 2. 4X10 SHEET HARDIPANEL SIDING - CEDERMILL W/ 1X3 BATT AT 16" O.C. (HARVEY - TEXTURED PLASTIC).
 3. HANDICAPED LAY SIDING - CEDERMILL 14X14" O.I. SPOILED GARAGE VENT.
 4. ENTRY DOOR - KEMP DESIGN WITH BUILDER.
 5. ROLL-UP SECTIONAL GARAGE DOOR, GARAGE DOOR DESIGN VERIFY W/ BUILDER & SUBMIT SHOP DRAWINGS TO ARCHITECT.
 6. PROVIDE "GRACE ICE & WATER SHIELD" AT ALL HORIZONTAL SURFACES. GLAZE MIN. 1/4" PET FOOT TO DRAIN. LAY CORN SIDING MIN. 12".
 7. 4X10 SLUMP BLOCK VENEER W/ B&B FINISH.
 8. 7 1/4" HARDIPANEL.
 9. 5" HANDICAPED CORNER BOARD.
 10. 1X6 ATTIC VENT.
 11. 8" SUNKEN COARSE SLUMP BLOCK HENGER.
 12. 4" SLUMP BLOCK SILL.
 13. 2X FASCIA.
 14. 3 1/2" HARDIPANEL.
 15. "TRUSTIC" HANDICAPED DRY CAP SILL / 3 1/2" HARDIPANEL BELOW.
 16. STANDING SEAM METAL ROOF.
 17. 3 1/2" HARDIPANEL.
 18. FIELD STONE - CULTURED STONE VENEER.

NOTE: KEEP SIDING SHALL BE PLACED A MINIMUM OF 4 INCHES ABOVE THE EARTH OR 2 INCHES ABOVE PAVED AREAS.

CHIMNEY NOTE:
DECORATIVE BRICKS SHALL BE LISTED AND LARGED FOR USE WITH THE SPECIFIC FACTORY BUILT CHIMNEY SYSTEM. PROVIDE REQUIRED INFORMATION TO THE BUILDING INSPECTOR FOR APPROVAL PRIOR TO INSTALLATION.



RIGHT ELEVATION (EAST)

SCALE: 1/4" = 1'-0"

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LOT 1

4-12-16

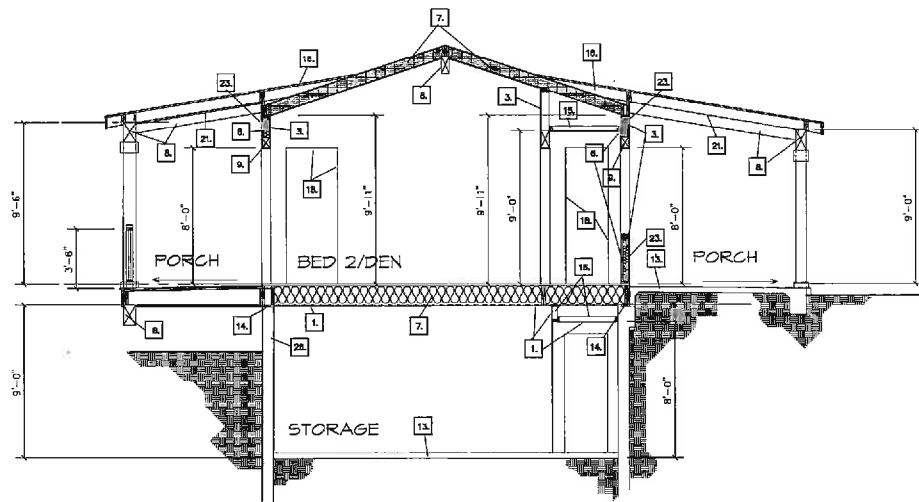


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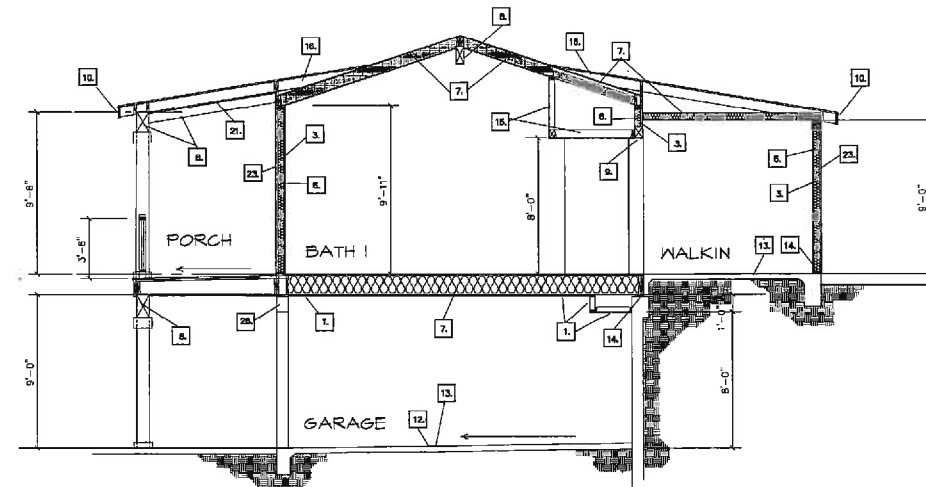
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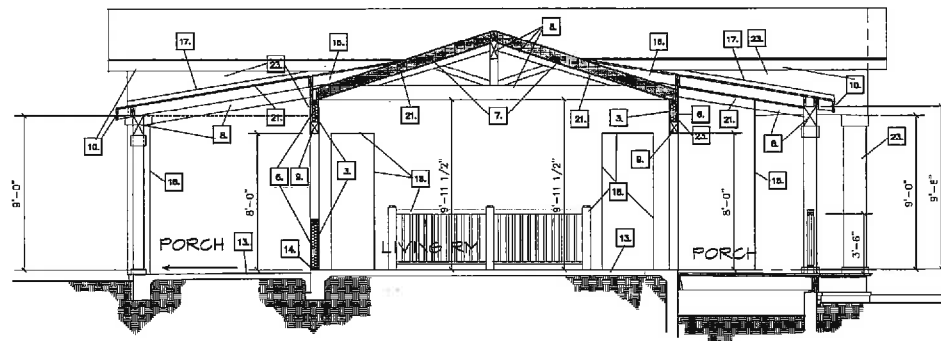
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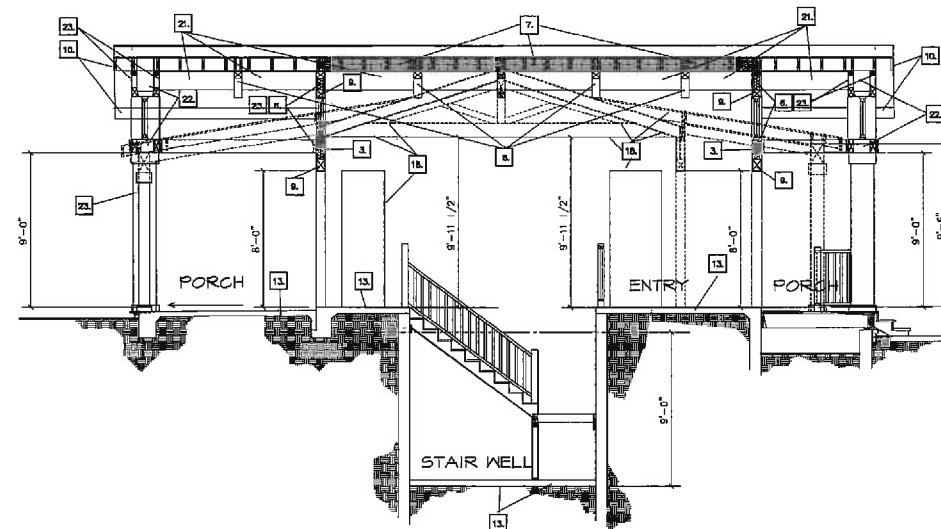
SECTION B-B 1/4"=1'-0"



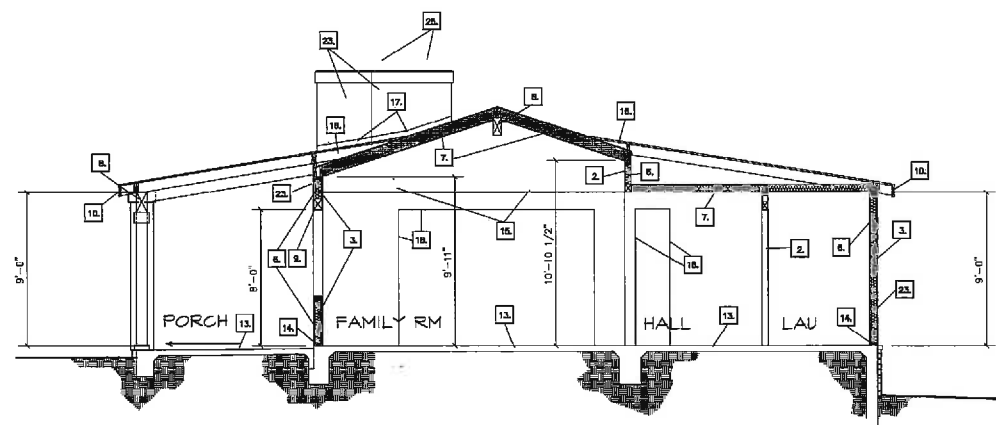
SECTION A-A 1/4"=1'-0"



SECTION D-D 1/4"=1'-0"



SECTION C-C 1/4"=1'-0"



SECTION E-E 1/4"=1'-0"

NOTES

26. INDICATES SECTION NOTES, SEE NUMBER BELOW.

1. 5/8" TYPE "C" TYP. AT GARAGE TO HOUSE
2. 3/4" STUD WALL AT 16" O.C.
3. 2X6 STUD WALL AT 16" O.C.
4. 2X6 STUD WALL AT 16" O.C.
5. 2X6 STUD WALL AT 16" O.C.
6. 2X6 STUD WALL AT 16" O.C.
7. 2X6 STUD WALL AT 16" O.C.
8. 2X6 STUD WALL AT 16" O.C.
9. 2X6 STUD WALL AT 16" O.C.
10. 2X6 STUD WALL AT 16" O.C.
11. 2X6 STUD WALL AT 16" O.C.
12. 2X6 STUD WALL AT 16" O.C.
13. 2X6 STUD WALL AT 16" O.C.
14. 2X6 STUD WALL AT 16" O.C.
15. 2X6 STUD WALL AT 16" O.C.
16. 2X6 STUD WALL AT 16" O.C.
17. 2X6 STUD WALL AT 16" O.C.
18. 2X6 STUD WALL AT 16" O.C.
19. 2X6 STUD WALL AT 16" O.C.
20. 2X6 STUD WALL AT 16" O.C.
21. 2X6 STUD WALL AT 16" O.C.
22. 2X6 STUD WALL AT 16" O.C.
23. 2X6 STUD WALL AT 16" O.C.
24. 2X6 STUD WALL AT 16" O.C.
25. 2X6 STUD WALL AT 16" O.C.
26. 2X6 STUD WALL AT 16" O.C.

NOTES:

THESE SECTIONS ARE FOR PROFILES OF CEILING HEIGHTS, PLATE HEIGHTS, AND GENERAL SHAPES OF TRUSSES ONLY. REFER TO STRUCTURAL PLANS BY: SLOAN, INC. 1800 E. 16TH STREET SMITH AVE. CA 90701 (714) 835-2200 AND TRUSS MANUFACTURER'S PLANS FOR ACTUAL SIZES, DETAILS, AND LAY-OUT OF ALL FRAMING.

FIRE NOTES:

1. FIRE BLOCKING SHALL BE PROVIDED IN THE FOLLOWING LOCATIONS:
 - a. IN CONCEALED SPACES OF STUD WALL AND PARTITIONS, INCLUDING FURRED SPACES, AT CEILING AND FLOOR LEVELS AND AT 10'-FOOT INTERVALS BOTH VERTICAL AND HORIZONTAL. ALSO SEE SECTION B01.1.
 - b. AT ALL INTERSECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SLOTTED, DROP CEILING AND CONE CEILING.
 - c. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF RUN AND BETWEEN STAIRS ALONG AND IN LINE WITH THE RUN OF STAIRS IF THE WALLS UNDER THE STAIRS ARE UNFURRED.
 - d. IN OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS, FIREPLACES AND SHEDS OPENINGS WHICH AFFORD A PASSAGE FOR FIRE AT CEILING AND FLOOR LEVELS, WITH NON COMBUSTIBLE MATERIALS.
 - e. AT OPENINGS BETWEEN ATTIC SPACES AND CHIMNEY CHASES FOR FACTORY-BUILT CHIMNEYS.
2. WHERE WOOD SLEEPERS ARE USED FOR LAYING WOOD FLOORING ON MASONRY OR CONCRETE, FIRE-RESISTIVE FLOORING, THE SPACE BETWEEN THE FLOOR SLAB AND THE UNDERLAYER OF WOOD FLOORING SHALL BE FILLED WITH NONCOMBUSTIBLE MATERIAL OR FIRE BLOCKED IN SUCH A MANNER THAT THERE WILL BE NO OPEN UNDER THE FLOORING WHICH EXCEEDS 100 SQUARE FEET IN AREA AND SUCH SPACE SHALL BE FILLED SOLIDLY UNDER ALL PERMANENT PARTITIONS SO THAT THERE IS NO COMMUNICATION UNDER THE FLOORING BETWEEN ADJACENT ROOMS.
3. FIRE BLOCKING CONSTRUCTION:
 - a. FIREBLOCKING SHALL CONSIST OF 2 INCHES NOMINAL LUMBER OR TWO THICKNESSES OF 1 INCH NOMINAL LUMBER WITH BROKEN LAP JOINTS OR ONE THICKNESS OF 5/8X2 INCH WOOD STRUCTURAL PANEL OR ONE ONE THICKNESS OF 3/4 INCH TYPE 2-M PARTICLEBOARD WITH JOINTS BACKED BY 3/4 INCH TYPE 2-M PARTICLE BOARD.
 - b. FIRE BLOCKS MAY ALSO BE OF GYPSUM BOARD, CEMENT ASBESTOS BOARD, MINERAL FIBER, GLASS FIBER OR OTHER APPROVED MATERIALS SECURELY FASTENED IN PLACE. LOOSE-FILL INSULATION MATERIAL SHALL NOT BE USED AS A FIRE BLOCK UNLESS SPECIFICALLY FIRE TESTED.

- A. PROVIDE WATER-RESISTANT GYPSUM BOARD BEHIND TUB AND SHOWER ENCLOSURE MATERIALS TO A HEIGHT OF 7'0" MINIMUM ABOVE THE DRAIN.
- B. ALL FOAM PLASTIC INSULATION SHALL HAVE A FLAME-SPREAD RATING OF NOT MORE THAN 75 AND A SMOKE-DEVELOPED RATING OF NOT MORE THAN 450.
- C. RADIANT BARRIERS SHALL BE INSTALLED ON ALL VERTICAL SURFACES OF ALL ATTIC SPACES PER THE ENERGY REPORT (1-24) REQUIREMENTS.
- D. PENETRATIONS THROUGH THE WALLS OR CEILING SEPARATING THE DWELLING FROM THE GARAGE SHALL BE PROTECTED (SUCH AS THOSE FOR VENTS, PIPES, DUCTS AND WIRES) WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION. (DRC R032.12)

residence for
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LOT 1

6-12-18
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2/2/2015 2:24 PM
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22	17 HARDIEPLANK LAP SIDING - VENT HEAD/JAMB 	13 HARDIEPANEL SIDING - INSIDE CORNER 	9 HARDIEPLANK LAP SIDING - PENETRATION 	5 ANCHORED MASONRY VENEER 	1 GROUNDING ELECTRODE
	18 HARDIEPLANK LAP SIDING - VENT SILL 	14 HARDIEPANEL SIDING - OUTSIDE CORNER 	10 HARDIEPLANK LAP SIDING - OUTSIDE CORNER 	6 HARDIEPLANK LAP SIDING - INSIDE CORNER 	2 SLUMP BLOCK VENEER
23	19 HARDIEPANEL SIDING - VENT HEAD/JAMB 	15 HARDIEPANEL SIDING - PENETRATION 	11 HARDIEPANEL SIDING - WALL BASE 	7 HARDIEPLANK LAP SIDING - WALL BASE 	3 SLUMP BLOCK VENEER WALL BASE
	24	20 HARDIEPANEL SIDING - VENT SILL 	16 TYPICAL FLASHING @ G.I. VENT 	12 HARDIEPANEL SIDING - WALL BASE 	8 HARDIEPLANK LAP SIDING - WALL BASE

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MASON-LITE

SECTION

PLAN

OTHER DIMENSIONS

Framing Width	47"
Framing Height	64 1/4"
Framing Depth	30"
Floor Area (37 x 28)	8.36 sf
Fireplace Weight	1,371 lbs
Mortar and Rebar	87 lbs
Ready Mix	200 lbs
Flue Size - Class A	Ø12"
Metal Chimney Weight per foot	10 lbs

ACCESSORIES

Herringbone Brick Liner	MFP39-SHBL	430 lbs
Full Running Bond Brick Liner	MFP39-FRBL	430 lbs
Structural Metal Base Kit - 6"	MFPB39	81 lbs
Anchor Plate w/Damper Ø12"	12ATGAPD	27 lbs
Ø24" Combustion Air Kit	MFP4-AK	14 lbs
Masonry Arch	MFP-ARC	20 lbs

TITLE: MFP39

DWG. NUMBER	RELEASE DATE	REV. DATE
S005	01/29/07	02/17/15

9

LIGHT WEIGHT PRE-CAST MODULAR FIREPLACE

5

HARDIEPLANK LAP SIDING - CHIMNEY CAP

6

HARDIEPANEL SIDING - CHIMNEY CAP

12

STANDING SEAM METAL ROOF - VALLEY

1

RATED WALL ASSEMBLY

7

F.P. CHIMNEY TRANSITION

10

CHIMNEY SADDLE FLASHING

11

CHIMNEY SADDLE FLASHING

4

WALL RECESS

8

STANDING SEAM METAL ROOF - VALLEY

2

ATTIC-MOUNTED F.A.U.

3

ATTIC ACCESS

10

CHIMNEY SADDLE FLASHING

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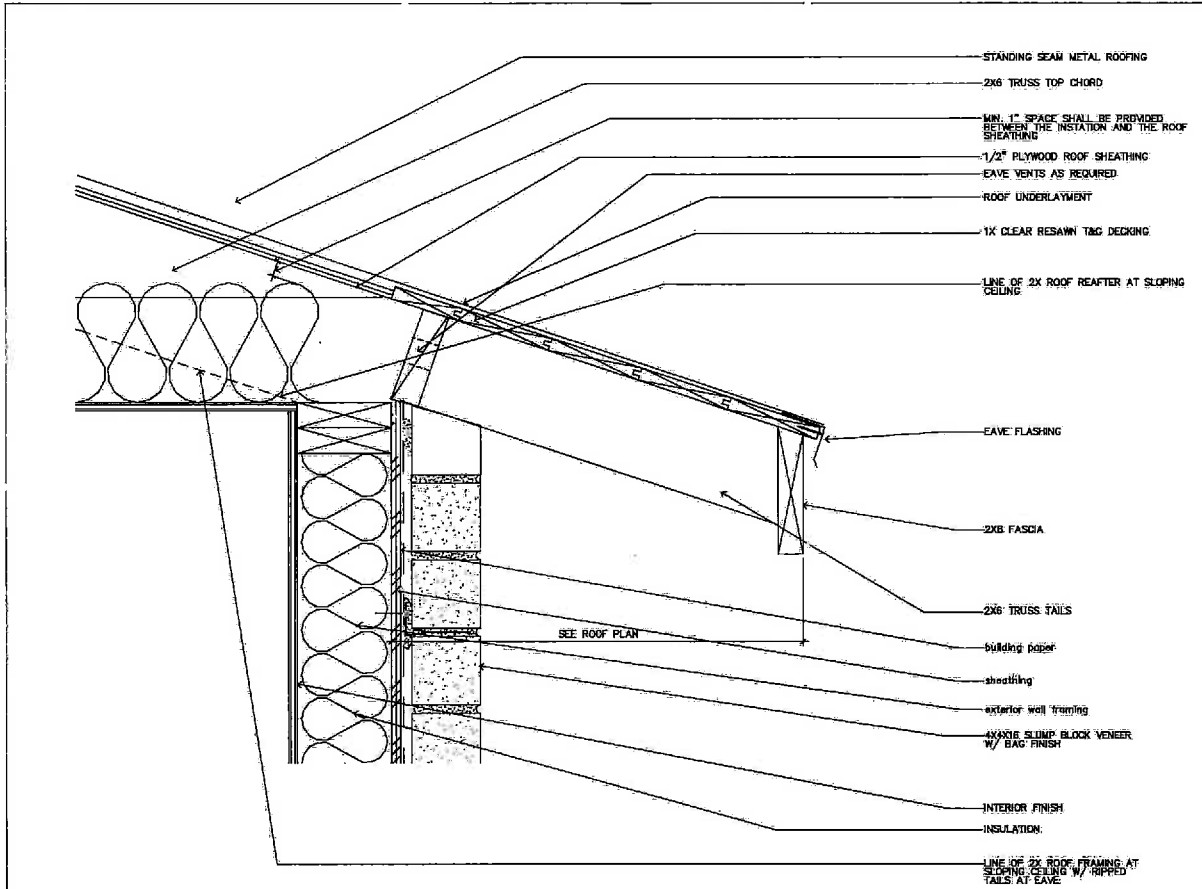
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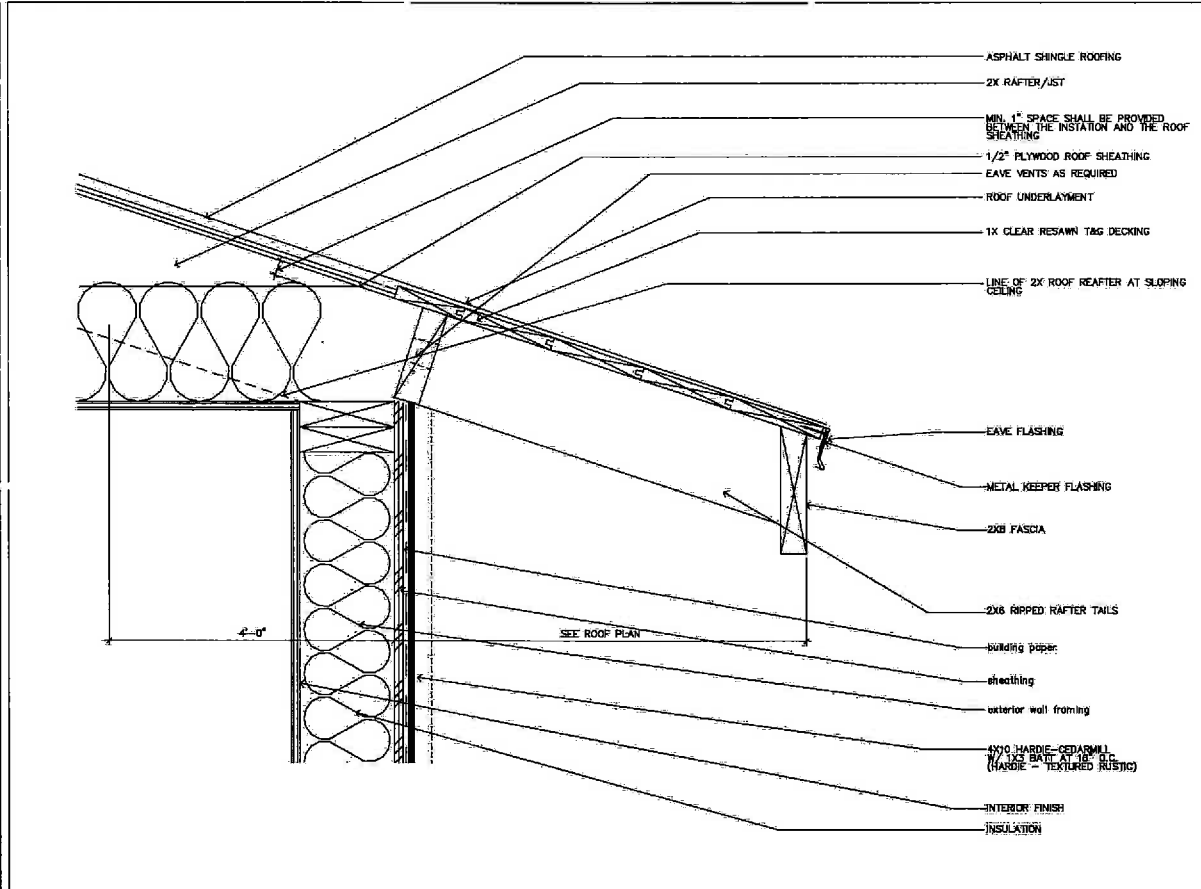
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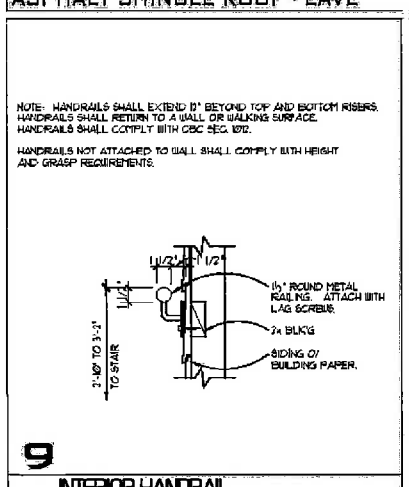
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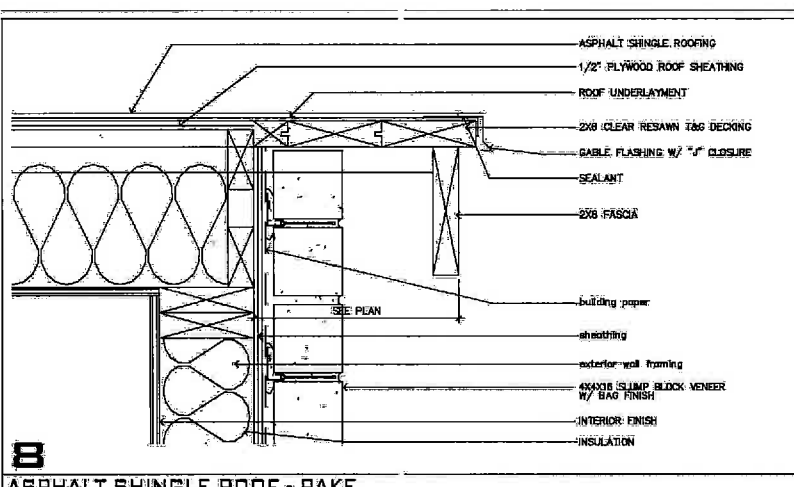
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ASPHALT SHINGLE ROOF - EAVE



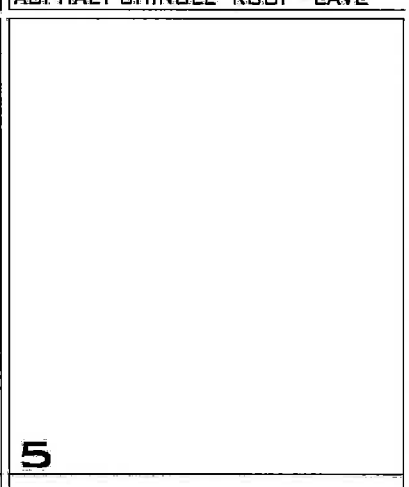
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ASPHALT SHINGLE ROOF - EAVE



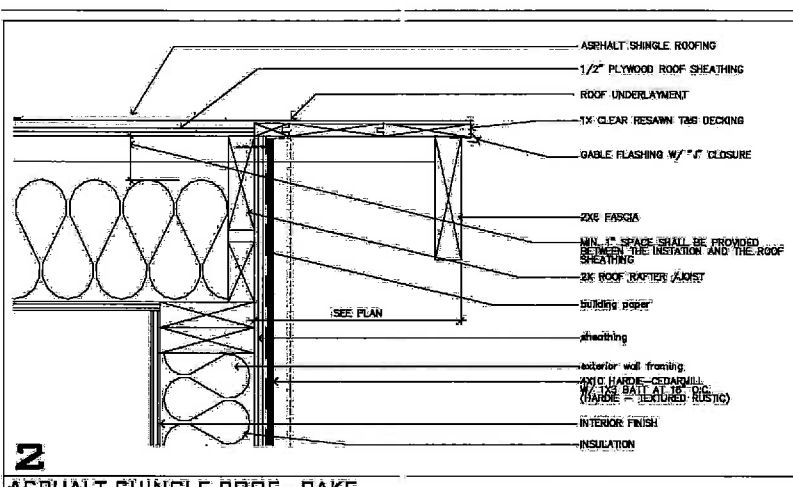
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INTERIOR HANDRAIL



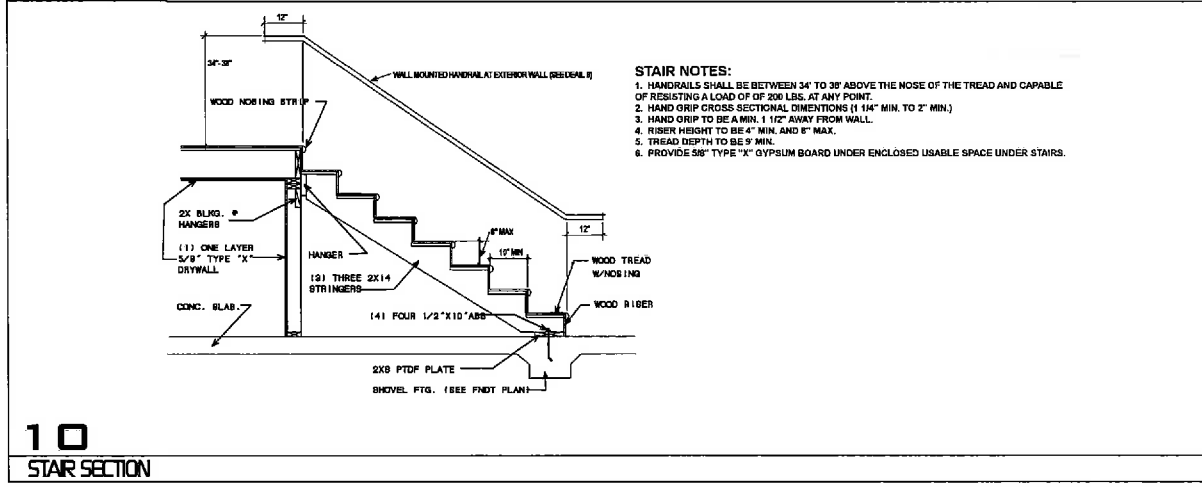
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ASPHALT SHINGLE ROOF - RAKE



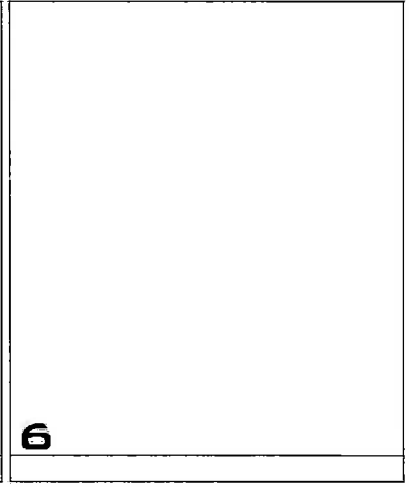
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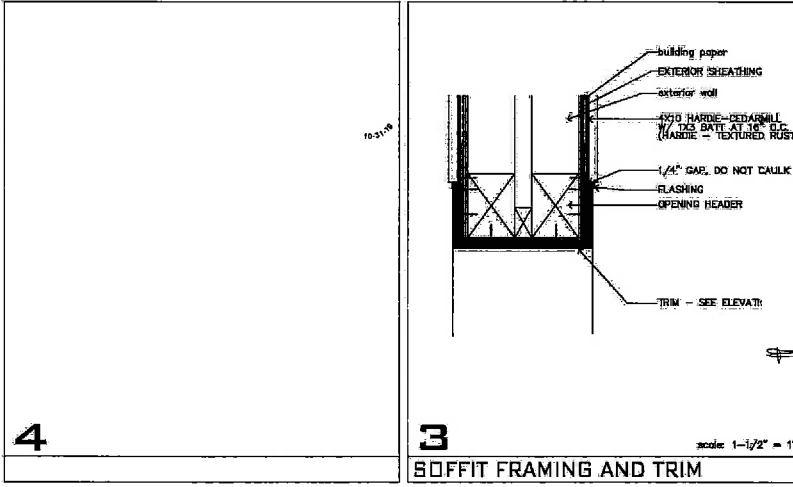
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ASPHALT SHINGLE ROOF - RAKE



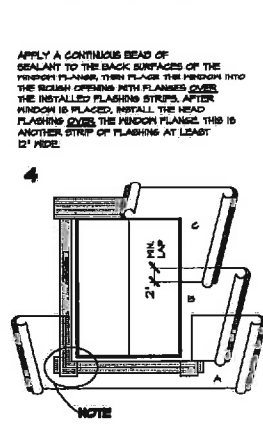
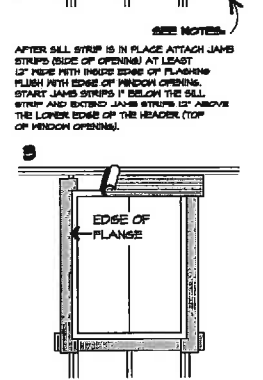
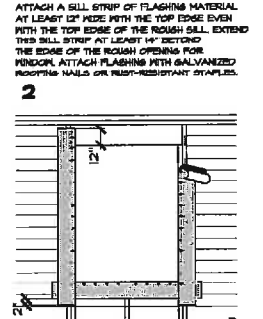
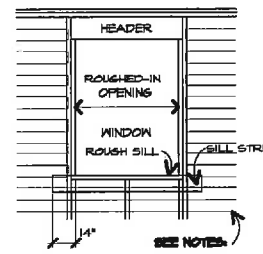
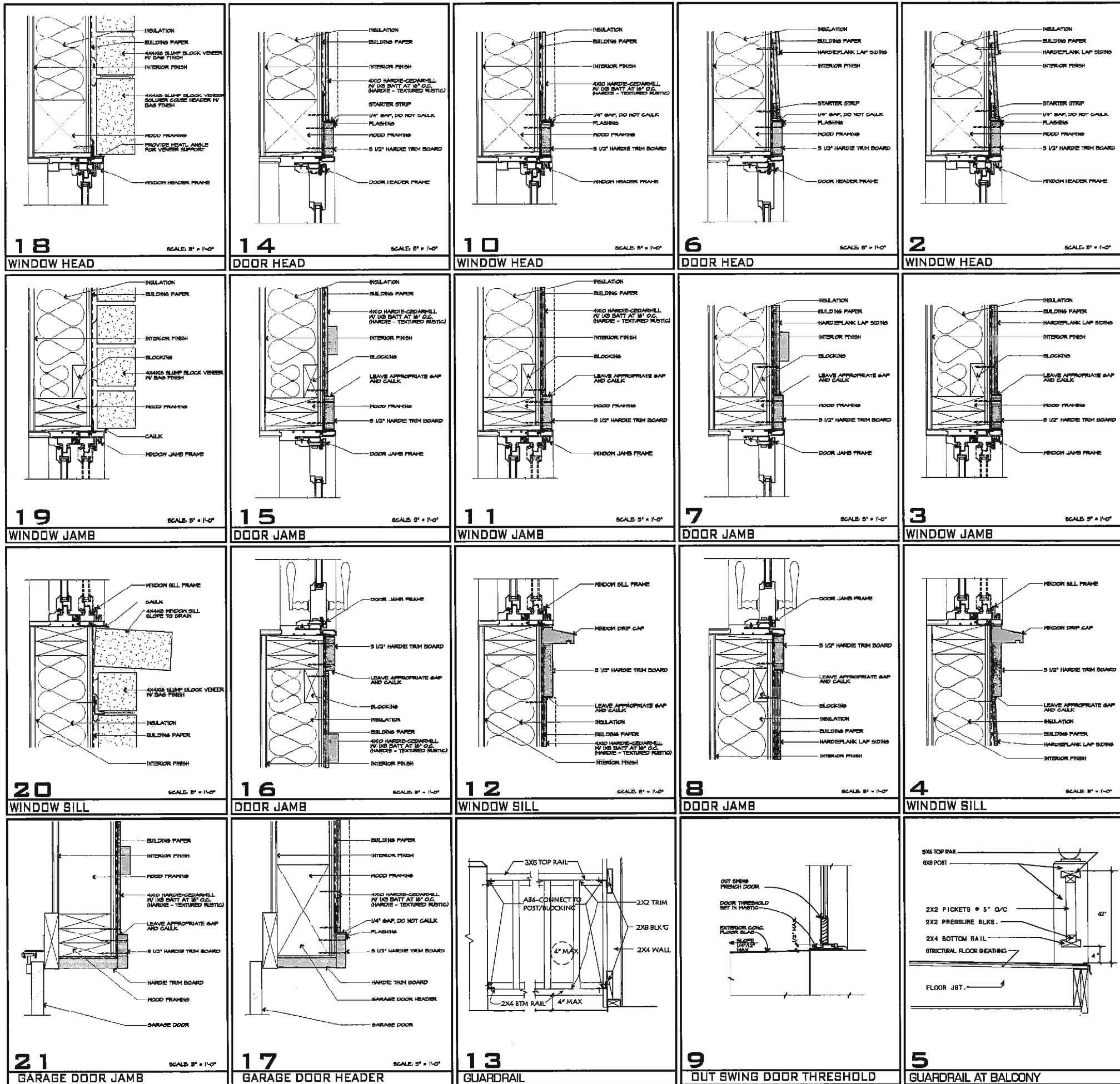
10
STAIR SECTION



6



3
SOFFIT FRAMING AND TRIM



NOTE: SECTION 05050, CALIFORNIA RESIDENTIAL CODE CALLS FOR FLASHING OF ALL EXTERIOR OPENINGS EXPOSED TO WEATHER TO HAVE THEM WEATHER PROOF. SINCE CALIF. DOES NOT OUTLINE PROCEDURES FOR WINDOW FLASHING, TECHNIQUES SHOWN HERE ARE RECOMMENDED. USE MOST STOP FLASHING BY PORTLAND CEMENT OR BRICK. WHEREVER POSSIBLE FOR FLASHING MATERIAL, CAULK BACK OF WINDOW FRAMES BEFORE SETTING. USE WINDOWS THAT ARE WEATHERTIGHT.

20 GA. AL. FLASHING REQUIRED AS SHOWN IN OTHER WINDOW DETAILS TO BE INSTALLED BY SHEET METAL CONTRACTOR.

LINE WIRE, WHEN USED AS BACKING TO SUPPORT WATER-RESISTANT BUILDING PAPER OR FELT (SHEATH LATH FOR STUCCO) SHOULD BE INSTALLED ACCORDING TO INDUSTRY STANDARDS AND PRACTICE. NO ATTACHMENT DEVICE FOR THE WIRE BACKING SHOULD COVER OR PENETRATE FLASHING MATERIAL. PERIPHERAL FLASHING AT ALL EDGES OF WALL OPENINGS MUST COVER WIRE BACKING.

GRADE ICE & WATER SHIELD CAN BE USED AS ALTERNATE TO ROOFING.

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HARVEST HILL ESTATES
LOT 1

6-12-18

AD4

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IRRIGATION SCHEDULE

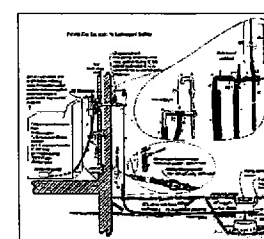
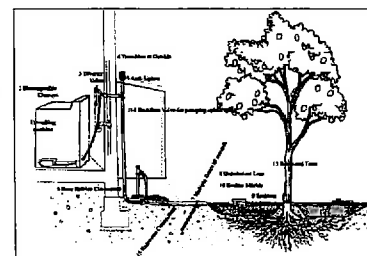
SYMBOL	MANUFACTURER/DESCRIPTION	QTY
	Hunter MP1000 PROS-40-PR540 Shrub Rotator, back-saver, pressure regulated to 40 psi (2.78 bar), MP Rotator nozzle. Minimums set are 60 to 210. L-4 Light Blue 210 to 270 etc. C-Orange 300 are on PROS40 body.	4
	Hunter MP2000 PROS-40-PR540 Shrub Rotator, back-saver, pressure regulated to 40 psi (2.78 bar), MP Rotator nozzle. Minimums set are 60 to 210. C-Green set are 210-270. Rotator 300 are on PROS40 body.	10
	Hunter MP3000 PROS-40-PR540 Shrub Rotator, back-saver, pressure regulated to 40 psi (2.78 bar), MP Rotator nozzle. Minimums set are 60 to 210. C-Green set are 210-270. Rotator 300 are on PROS40 body.	7
	Hunter MP Corner PROS-40-PR540 Shrub Rotator, back-saver, pressure regulated to 40 psi (2.78 bar), MP Rotator nozzle. Minimums set are 60 to 210. C-Green set are 210-270. Rotator 300 are on PROS40 body.	1
SYMBOL	MANUFACTURER/DESCRIPTION	QTY
	Rain Bird RZC-100-PRO-R Medium Flow for Commercial Applications. Purple Cap designates for Restricted Water, Non-Portable Use. 1" PESBR Valve and 1" Pressure Regulating 40psi Basket Filter. 5-20gpm.	15
	Pipe Transition Piece above grade Flow transition point from PVC lateral to drip tubing with riser to above grade installation.	11
	Area to Receive Drip Emitters Hunter HE-8 Point Source Drip Emitters with Self Piercing Barb. Color coded emitters for flow rates of 0.5, 1.0, 2.0, 4.0, and 6.0 GPH. Can be inserted into 1/2" and 3/4" tubing and have pressure compensating from 15-50 PSI. Optional diffuser cap (HE) available. Emitter Notes: 10KHE-8 emitters (2 assigned to each 1 gal plant) 20KHE-8 emitters (2 assigned to each 15 gal plant) 30KHE-8 emitters (2 assigned to each 24 gal plant) 40KHE-8 emitters (2 assigned to each 5 gal plant) 50KHE-8 emitters (2 assigned to each 7 gal plant)	20,339 s.f.
SYMBOL	MANUFACTURER/DESCRIPTION	QTY
	Wheelbarrow 1104FCH-1076-MP Plastic Remote Control Valve with Pressure Regulator, 1", 1-1/2", 2" size as noted, with non-potable purple handle.	2
	Quick Coupler Rain Bird 54/NC 1" Brass Quick-Coupling Valve, with Corrosion-Resistant Stainless Steel Spring, Locking Thermoplastic Rubber Cover, and 1-Piece Body.	6
	Fibron 325Y-34 Reduced Pressure Check/Preventer. Load free	1
	Rainbird BL-2FS100 1-1/2 Baseline 1.5" Brass Flow Sensor with Integrated Flow Decoding. Flow Sensor is low-voltage ready with a flow decoder built into the line flow.	1
	Water Meter 2"	1
	Irrigation Lateral Line: PVC Schedule 40 PVC Schedule 40 irrigation pipe. Only lateral transition pipe sizes 1" and above are indicated on the plan; with all others being 3/4" in size.	
	Irrigation Mainline: PVC Schedule 40 and Class 315 PVC Schedule 40 to 1-1/2", PVC Class 315 SDR 15.5 for pipes 2" and larger.	
	Valve Control Valve Number Valve Flow Valve Size	
	Tree Drip Zone. Number indicates valve number	

CRITICAL ANALYSIS

Generated:	2016-10-24 14:32
P.O.D. NUMBER:	01
Water Source Information:	
FLOW AVAILABLE	
Water Meter Size:	2"
Flow Available:	110.25 gpm
PRESSURE AVAILABLE	
Static Pressure at POC:	80.00 psi
Friction Loss:	5.00 ft
Service Line Size:	2 1/2"
Length of Service Line:	20.00 ft
Pressure Available:	77.00 psi
DESIGN ANALYSIS	
Minimum Station Flow:	15.81 gpm
Flow Available at POC:	110.25 gpm
Residual Flow Available:	94.44 gpm
Critical Station:	12
Design Pressure:	40.00 psi
Emulsion Loss:	0.00 psi
Friction Loss:	1.47 psi
Fittings Loss:	0.15 psi
Loss through Valve:	7.77 psi
Pressure Drop at Critical Station:	43.34 psi
Loss for Friction:	0.30 psi
Loss for Main Line:	3.30 psi
Loss for POC to Valve Elevation:	0.00 psi
Loss for Backflow:	0.00 psi
Loss for Water Meter:	0.40 psi
Critical Station Pressure at POC:	48.00 psi
Pressure Available:	77.00 psi
Residual Pressure Available:	35.24 psi

Graywater System Equipment Notes:

- Equipment to be installed in residence:
 - Diverter valve
 - Vacuum breaker
 - Transition to outside
- Equipment to be installed directly outside residence:
 - Anti-siphon valve and hose service connection
- Equipment to be installed outside residence by homeowner:
 - Distribution line
 - Grinder valves
 - Emitters



SEE SHEET LI-2 FOR
IRRIGATION NOTES



Scale: 1" = 10'

HARVEST HILL RANCH
Cambridge Dr.
Goleta, CA 93111

IRRIGATION PLAN

Issue
4.20.16

Date	4.20.16	Job Number	16.071
Drawn by	ACJ	Checked by	MG
Sheet	of		

LI-1

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Revisions

Irrigation Notes:

- See irrigation legend for complete descriptions of all symbols shown on irrigation plan.
- Point of connection is at the approximate location shown on plan.
- Install all valves in locking plastic valve boxes in shrub and groundcover areas where they can be covered by plantings. Install one valve per box. Identify locations and flag on site for Landscape Architect's approval. **SECURE** accordingly for installation.
- Install irrigation system in accordance with manufacturer's specifications, irrigation details, and local codes.
- Indicated pipe locations are schematic. Do not place pipe under paving except where absolutely necessary. Coordinate pipe installation with other trades.
- All piping installed under paving, through walls or footings must be placed inside Schedule 40 PVC sleeves of adequate size to allow free movement of the pipe in the sleeve. All pipe runs in sleeves must be straight, with no bends or angles. Sleeves for recycled water irrigation lines shall be coated to match the pipe.
- Locate irrigation controller at appropriate location shown on plan. 110-volt by others. Obtain Landscape Architect's approval of location before installing.
- Controllers shall be located on grade and labeled a maximum of 6" (six inches) from the center of the plant, or at edge of rootball, whichever is greater.
- Install flush and valves at the ends of all 1/2" polyethylene drip tubing in round valve boxes with gravel fill.
- Install irrigation lines at the following minimum depths:

Schedule 40 and class 315 PVC mainline:	18" minimum cover
Schedule 40 PVC lateral line:	12" minimum cover
1/2" polyethylene drip tubing:	place on grade with galvanized stakes @ 3' O.C.
1/2" polyethylene micro-tubing:	place on grade

*Install all drip pipe as near to edges of planting areas, to avoid conflict with large plants.
- Emitter layout:

4" pot or field groundcover:	1 - 1 GPH emitter per plant (filled groundcover can be watered with microspray emitters).
1 gallon:	2 - 1 GPH emitters per plant.
5 gallon shrubs:	2 - 2 GPH emitters per plant.
15 gallon shrubs:	3 - 3 GPH emitters per plant.
24" box tree:	3 - Hunter HE-40-S Point Source Emitters (Change 6 GPH)
36" box tree:	4 - Hunter HE-40-S Point Source Emitters (Change 6 GPH)
48" box tree:	6 - Hunter HE-40-S Point Source Emitters (Change 6 GPH)
60" box tree or field grown tree:	10 - Hunter HE-40-S Point Source Emitters (Change 6 GPH)
Trees larger than 60" box:	Provide 14 - Hunter HE-40-S Point Source Emitters (Change 6 GPH) Confirm final number of emitters with Landscape Architect.

Punch emitter into polyethylene tubing. Attach microtubing to emitter. Attach bag cap in open end of microtubing. Bring microtubing to edge of rootball. Stake and of microtubing with plastic stake manufactured for this purpose.
- In the event of discrepancies in irrigation equipment count, quantities indicated by symbols on the other prevail.
- Include in the contract price a sufficient amount to allow for supply and installation of additional irrigation equipment to be used. Include 50 linear feet of lateral line, 50 linear feet of mainline, 12 additional spray heads and bodies, and 12 additional bubbler heads and bodies. Provide the unit price for each irrigation equipment in the bid and credit the owner for each piece of equipment not installed.
- In vicinity of existing trees, use discretion to route lateral lines and maintain as necessary to avoid root damage. Under complete of existing trees, excavate using hand tools, and route pipe under roots with a minimum 4" clearance. Do not cut roots larger than 2" (two inches) in diameter, unless approved by the Landscape Architect.
- Use reliable air nozzles and/or pressure compensating nozzles as necessary to prevent overspray in areas where standard nozzles would not be sufficient.
- Verify location of backflow preventer, master control valves, controller and point of connection with Landscape Architect prior to installation.
- Install and adjust all spray and bubbler heads to prevent water contact with all built elements.
- Adjust all spray and bubbler heads to minimize overspray onto paved areas.
- Install sprinklers on a 12" pop-up body in shrub areas, on a 12" pop-up body in no-mow turf areas such as (Plymouth Palms, UC Verde Buffalo Grass, Carpet grasses, and Paspalum rubrum) on a 6" pop up body in Herbaceous II (or other traditional turf) areas, and on a 4" pop-up body in planters directly adjacent to parking spaces.
- Install check valves at the low end of all irrigation lines to prevent low head drainage.

Irrigation Pipe Sizing Guidelines:

Schedule 40 mainline up to 1-1/2"

0-4 gpm	1/2"
5-8 gpm	3/4"
9-12 gpm	1"
13-22 gpm	1-1/4"
23-30 gpm	1-1/2"

Class 315 mainline 2" and up

30-50 gpm	2"
51-70 gpm	2-1/2"
71-100 gpm	3"

Schedule 40 lateral line

0-4 gpm	1/2"
5-10 gpm	3/4"
11-19 gpm	1"
17-26 gpm	1-1/4"
27-35 gpm	1-1/2"
36-50 gpm	2"
51-60 gpm	2-1/2"
61-120 gpm	3"

Weathermatic valves

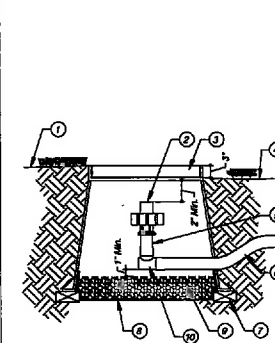
0-25 gpm	1"
26-40 gpm	1-1/2"
41-60 gpm	2"

Rabbitbird XCOZ drip valves

0-15 gpm	1"
16-40 gpm	1-1/2"

13 TREE DRIP RING LAYOUT

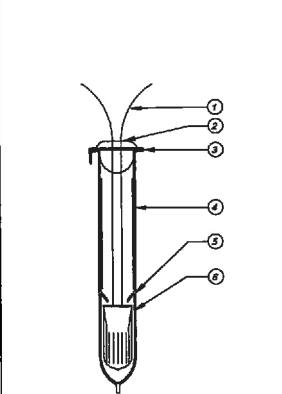
Scale: 1"=1'-0"



- Finish grade, turf areas.
- Toro FCH-H with DL300 automatic flush valve with DL-75MA-1153 1/2" male adapter.
- Plastic round valve box, 6" size. Heat treated 1/2" onto lid.
- Finish grade, shrub areas.
- Drip tubing, length as required.
- Drip tubing, sweep down to enter valve box.
- Brick supports.
- Filter fabric.
- Pea gravel, 3" deep.
- Toro hand of (DL-ES016).

9 PIPE / WIRE SLEEVE INSTALLATION

Not to Scale

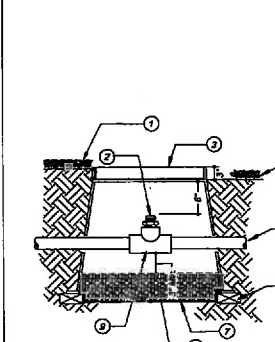


- Low voltage wires, 3 maximum
- Wires pass through grooves in tube lid to allow lid to close.
- Close tube lid after wire is inserted into tube.
- Poly tube pre-filled with waterproof gel.
- Lock tube prevent wire removal once connector is inserted.
- Scottslink Electrical Spring connector. Wires shall be pre-wired up to 1/2" of the installation prior to insertion into the connector. Twist connector onto wires to seal firmly.

Notes:
1. Wire connector shall be a 3M DBV Direct Bury Splice Kit. Kit shall include a Scottslink Spring Connector, a polypropylene tube and a waterproof sealing gel. Tube shall be supplied pre-filled with gel.
2. Direct Bury Splice Kit shall be used to electrically connect (2-3) #14 or (2) #12 pre-wired copper wires. Larger wires or greater quantities of wires shall require a larger approved wire connection.

14 DRIP FLUSH VALVE

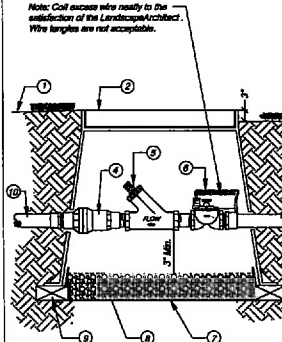
Scale: 1"=1'-0"



- Finish grade in turf areas.
- Toro FCH-H with DL300 automatic flush valve.
- Plastic round valve box, 6" size heat treated 1/2" onto lid.
- Grade in shrub areas.
- DL2000.
- Brick supports.
- Filter fabric.
- Pea gravel, 3" deep.
- 1/2" PVC line (Sch40) with Toro GAT10 comp. adapter.

10 WIRE CONNECTION

Not to Scale

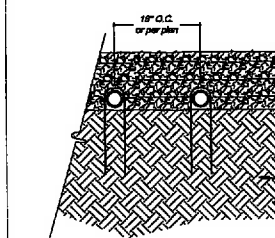


- Finish grade, turf areas.
- Plastic rectangular 'bush' valve box with bolt down cover. Use stainless bolt, nut, and washer. Box to be placed at right angle to landscape edge. Heat treated 1/2" onto lid.
- Finish grade in shrub areas.
- Pressure regulator.
- Wye filter.
- Remote control valve. See legend for specification.
- Non-woven filter fabric.
- Pea gravel, 3" deep.
- Brick supports.
- Lateral line to drip system.
- Mainline.

Notes:
1. Box to be installed as to allow for proper operation of ball valve. Install at right angle to landscape edge, install valve off-center in box.
2. Install valve box extensions as required to achieve proper valve installation at mainline depth.
3. Use Teflon tape on all threaded fittings, typical.

15 DRIP AIR RELIEF VALVE

Not to Scale

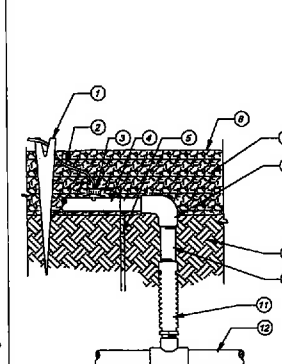


- Mulch, see planting notes.
- Dura-Pol polyethylene tubing.
- Amended soil per planting notes and specifications. Bring soil level to 3" below finish grade of mulch prior to drip tubing installation.
- Wire Stake. On center spacing per irrigation notes.

Notes:
1. To insure even parallel and level tubing runs it is recommended that the soil level in the planter area be brought to 3" below finish grade and properly compacted per the landscape drawings prior to the installation of tubing.
2. Install tubing as indicated on these drawings and secure to grade using wire hoop stakes at 5' feet on center spacing.
3. Backfill final 2" of mulch over the tubing after installation of the tubing.

11 DRIP VALVE ASSEMBLY

Not to Scale



- Tubing stake.
- 1/2" Distribution tubing.
- Drip emitter inserted into tube.
- Dura-Pol polyethylene tubing.
- 6" wire stake. Stake at 5' O.C.
- Mulch, see planting notes.
- Schedule 80 compression X line tied all.
- Finish grade.
- Amended soil per planting notes and specifications. Bring soil level to 3" below finish grade of mulch prior to drip tubing installation.
- Schedule 80 PVC rear (length as required).
- 6" Flexible riser.
- Lateral line.

Note: Use Teflon tape on all threaded fittings, typical.

16 DRIPLINE STAKING AND LAYOUT

Not to Scale



- Mulch, see planting notes.
- Dura-Pol polyethylene tubing.
- Amended soil per planting notes and specifications. Bring soil level to 3" below finish grade of mulch prior to dripline installation.
- Wire Stake. On center spacing per irrigation notes.

12 EMITTER TO DRIPLINE CONNECTION

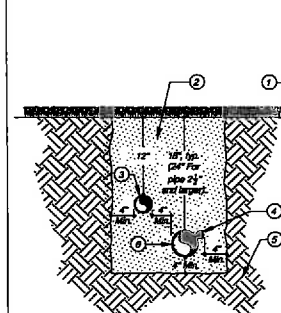
Not to Scale



- Finish grade, turf areas.
- Toro FCH-H with DL300 automatic flush valve with DL-75MA-1153 1/2" male adapter.
- Plastic round valve box, 6" size. Heat treated 1/2" onto lid.
- Finish grade, shrub areas.
- Drip tubing, length as required.
- Drip tubing, sweep down to enter valve box.
- Brick supports.
- Filter fabric.
- Pea gravel, 3" deep.
- Toro hand of (DL-ES016).

REDUCED PRESSURE BACKFLOW PREVENTER

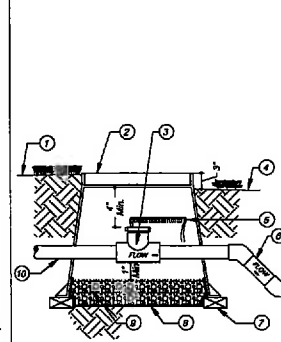
Not to Scale



- Finish grade.
- Clear compacted backfill.
- Lateral line.
- Control valve. Tape to mainline @ 4' O.C.
- Undisturbed soil.
- Mainline.

6 PIPE INSTALLATION

Not to Scale

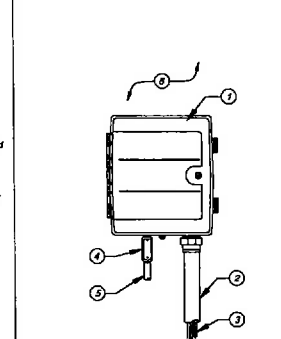


- Finish grade in turf areas.
- Plastic rectangular valve box with bolt down cover. Use stainless bolt, nut, and washer. Box to be placed at right angle to landscape edge. Heat treated 1/2" onto lid.
- Flow sensor.
- Finish grade in shrub areas.
- 24" wire loop.
- Mainline.
- Brick supports.
- Non-woven filter fabric.
- Pea gravel, 3" deep.
- Mainline from master valve.

Notes:
1. Install flow sensor as per the manufacturer's recommendations, wire to irrigation controller.
2. Use 45° side to achieve mainline depth on the downstream side of the flow sensor.

7 FLOW SENSOR

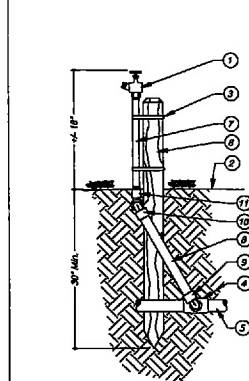
Not to Scale



- Well mounted controller in existing plastic box.
- 2" PVC conduit and fittings.
- Wires to remote control valves.
- Junction box.
- 1" PVC conduit and fittings to power supply.
- Interior wall, behind.

1 POP-UP SPRINKLER HEAD

Not to Scale

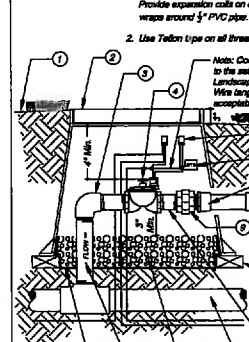


- Garden valve. See irrigation plan for specification.
- Finish grade in shrub areas.
- Stainless steel clamp, 2 per post.
- Sch. 80 PVC tee.
- Mainline.
- 4" Pressure threaded dropout fit or reduced post, center hole of post 1/2" on all sides.
- 3" Sch. 40 galvanized threaded riser.
- Sch. 80 PVC nipple.
- Sch. 40 street ell.
- Sch. 40 PVC ell.
- Galvanized ell.

Note: Use Teflon tape on all threaded fittings, typical.

2 GARDEN VALVE

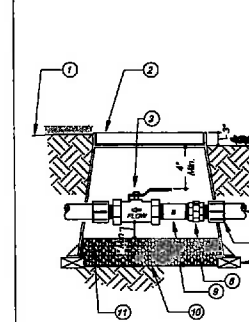
Not to Scale



- Finish grade in turf areas.
- Right plastic rectangular valve box with bolt down cover. Use stainless bolt, nut, and washer. Place box at right angle to edge of pavement. Heat treated 1/2" onto lid and valve number.
- Sch. 80 SXT PVC ell.
- Remote control valve.
- Finish grade, shrub areas.
- Water proof wire connections.
- Valve ID tags.
- PVC Sch. 80 PVC male adapter.
- Sch. 80 PVC union.
- Lateral line.
- Brick supports.
- Mainline.
- Sch. 80 PVC nipple, typ. RCV size x 3' max.
- Pea gravel, 3" deep.
- Sch. 80 PVC nipple threaded or t.o.s. length as required.
- Non-woven filter fabric.

3 REMOTE CONTROL VALVE

Not to Scale



- Finish grade in turf areas.
- Right plastic rectangular valve box with bolt down cover. Use stainless bolt, nut, and washer. Place box at right angle to edge of pavement. Heat treated 1/2" onto lid.
- Ball or gate valve.
- Finish grade in shrub areas.
- Pressure supply line.
- PVC male adapter.
- Brick supports.
- Brass union.
- Brass nipple.
- Non-woven filter fabric.
- Pea gravel, 3" deep.

Notes:
1. Box to be installed as to allow for proper operation of ball valve. Install valve off-center in box.
2. Install valve box extensions as required to achieve proper valve installation at mainline depth.

4 BALL OR GATE VALVE

Not to Scale

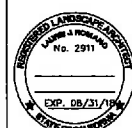


- Finish grade in turf areas.
- Right plastic rectangular valve box with bolt down cover. Use stainless bolt, nut, and washer. Place box at right angle to edge of pavement. Heat treated 1/2" onto lid.
- Ball or gate valve.
- Finish grade in shrub areas.
- Pressure supply line.
- PVC male adapter.
- Brick supports.
- Brass union.
- Brass nipple.
- Non-woven filter fabric.
- Pea gravel, 3" deep.

Notes:
1. Box to be installed as to allow for proper operation of ball valve. Install valve off-center in box.
2. Install valve box extensions as required to achieve proper valve installation at mainline depth.



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Revisions

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IRRIGATION DETAILS

ISSUE
4.20.18

Date	Job Number
4.20.18	16.071
Drawn By	Checked by
ACJ	MG
Sheet	of

LI-2



Revisions

HARVEST HILL RANCH - LOT 1

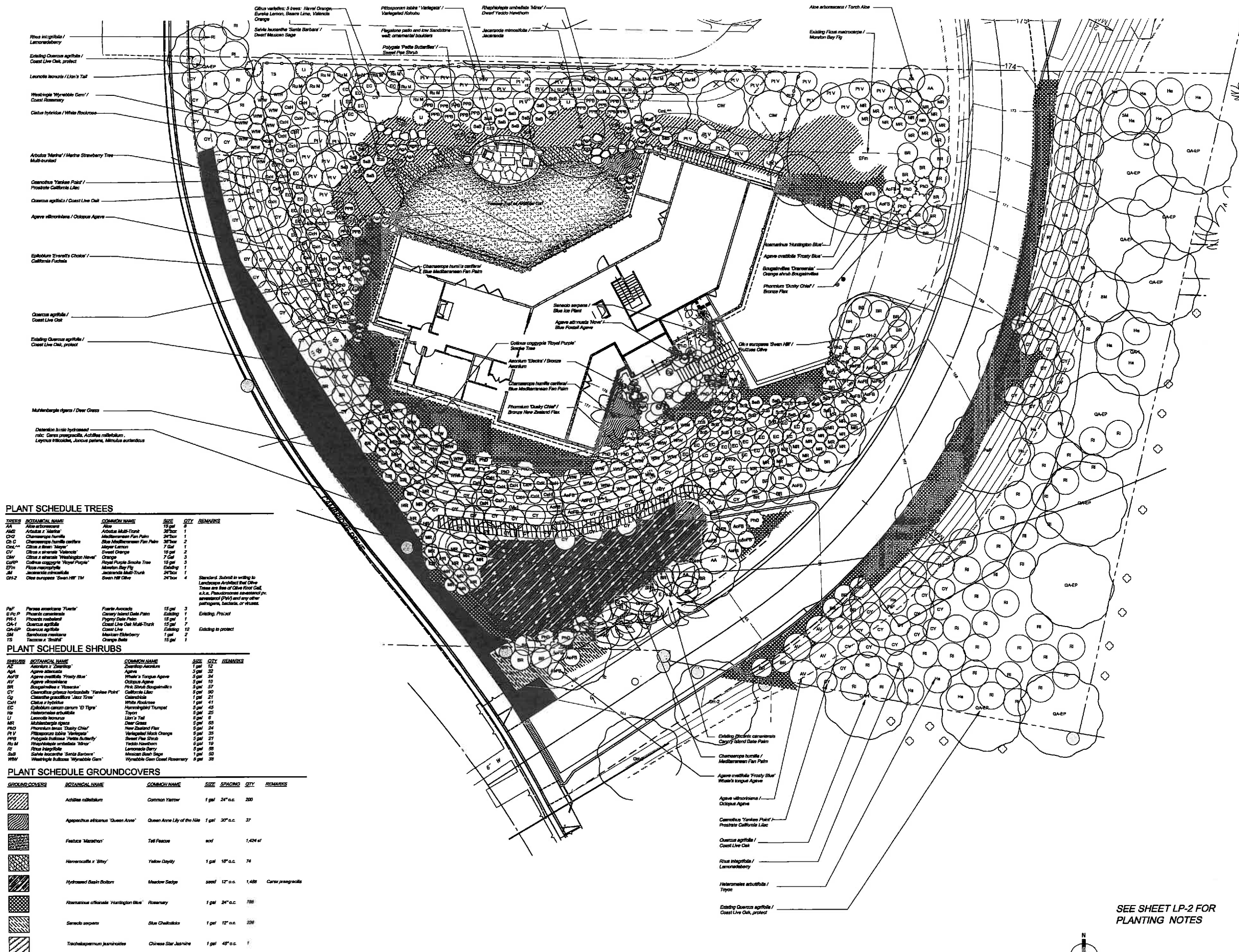
Cambridge Dr.
Golf, CA 95111
APN 069-620-004

PLANTING PLAN

Issue
4.20.18

Date
4.20.18
Job Number
18.071
Drawn By
MD
Checked by
LR
Sheet
of

LP-1



PLANT SCHEDULE TREES

TREES	BOTANICAL NAME	COMMON NAME	SIZE	QTY	REMARKS
AA	Aloe arborescens	Aloe	15 gal	4	
AM	Abutilon x 'Matisse'	Abutilon Matisse	30"tr	1	
CH	Chamaecyparis hirsuta	Blue Mediterranean Fan Palm	30"tr	2	
CH	Chamaecyparis hirsuta	Blue Mediterranean Fan Palm	30"tr	2	
CH	Chamaecyparis hirsuta	Blue Mediterranean Fan Palm	30"tr	2	
CH	Chamaecyparis hirsuta	Blue Mediterranean Fan Palm	30"tr	2	
CH	Chamaecyparis hirsuta	Blue Mediterranean Fan Palm	30"tr	2	
CH	Chamaecyparis hirsuta	Blue Mediterranean Fan Palm	30"tr	2	
CH	Chamaecyparis hirsuta	Blue Mediterranean Fan Palm	30"tr	2	
CH	Chamaecyparis hirsuta	Blue Mediterranean Fan Palm	30"tr	2	

PLANT SCHEDULE SHRUBS

SHRUBS	BOTANICAL NAME	COMMON NAME	SIZE	QTY	REMARKS
AZ	Adiantum x 'Zorro'	Zorro Adiantum	1 gal	12	
AG	Agave attenuata	Agave	5 gal	34	
AG	Agave attenuata	Agave	5 gal	34	
AG	Agave attenuata	Agave	5 gal	34	
AG	Agave attenuata	Agave	5 gal	34	
AG	Agave attenuata	Agave	5 gal	34	
AG	Agave attenuata	Agave	5 gal	34	
AG	Agave attenuata	Agave	5 gal	34	
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PLANT SCHEDULE GROUNDCOVERS

GROUNDCOVERS	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QTY	REMARKS
	Adiantum	Common Yarrow	1 gal	24" o.c.	200	
	Agave attenuata	Queen Anne Lay of the Nile	1 gal	30" o.c.	37	
	Festuca 'Marathon'	Tall Fescue	seed		1,424 sf	
	Hemerocallis x 'Bibb'	Yellow Daylily	1 gal	18" o.c.	74	
	Hydrangea	Meadow Sage	seed	12" o.c.	1,488	Carex praegracilis
	Romneya	Romneya	1 gal	24" o.c.	788	
	Sedum	Blue Chalksticks	1 gal	12" o.c.	208	
	Trachypogon	Chinese Star Jasmine	1 gal	48" o.c.	1	

SEE SHEET LP-2 FOR
PLANTING NOTES

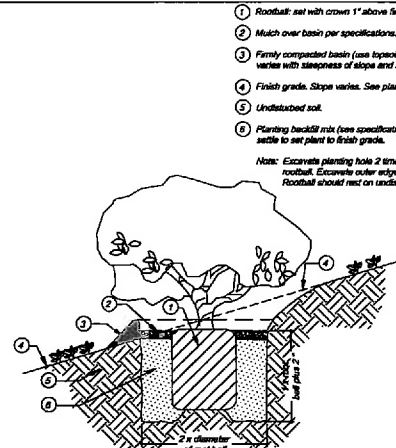


Planting Notes:

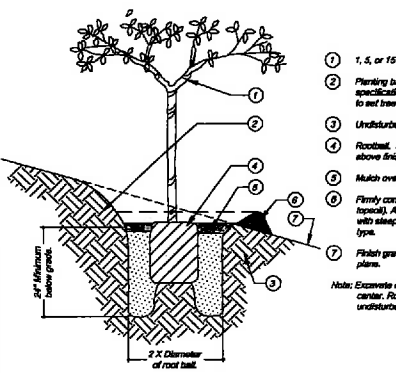
- All plants are identified by typical symbols. Plant quantities are approximate and provided for the contractor's convenience. In the event of discrepancies in plant count, quantities indicated by plant symbols on the plan prevail.
- At completion of rough grading, take representative soil samples (minimum of two per acre) from the project site and submit to a laboratory for analysis. Locations and number of soil samples must be approved by the Landscape Architect. Send soil samples to Western Soil Testing Laboratory 110-115-111 or an approved equal for testing of suitability for ornamental planting as specified on the drawings. Submit a copy of the results of this analysis to the Landscape Architect for approval and comment. Make adjustments to the rate and analysis of fertilizer & amendments as recommended to provide a suitable medium for planting. Follow all recommendations in agronomic soil report, including leaching if recommended. Notify the Landscape Architect of any potential problems which may result due to harmful substances found in the soil. Failure to act as specified may result in contractor assuming financial responsibility for any damage to plants.
- Specification Section 02500 or 02510 00, Landscape Planting, 02502 or 02512 00, Sodding, and 02511 or 02512 00, Hydroseeding, are integral to the intent of the planting plan. Do not bid planting plan without reference to applicable specification section.
- Contractor is responsible for final grades and for fine grading required for surface drainage and uniformity to the satisfaction of the Landscape Architect. Advise Landscape Architect of drainage problems and make recommendations for solution. Final grades to within a tenth of a foot must be established prior to commencing planting operations.
- Grasses and flow lines must be maintained during irrigation and planting operations. Contractor may not alter established grade and flow lines without the knowledge and permission of the Landscape Architect.
- Install North American Green EC150BN Erosion Control Fabric (Pacific Soil Stabilization Santa Maria, CA 92454 PH (800) 473-1905) on all slopes of 5:1 or steeper, per manufacturer's specification.
- The Landscape Architect reserves the right to review all plant material at the nursery prior to delivery to job site. In lieu of nursery review the Landscape Architect may request photos and/or specifications of plant material to be provided prior to delivery.
- Landscape Architect reserves the right to refuse plants delivered to site that are substandard. Replacement plants are to be supplied by contractor at no additional cost to owner.
- Plant materials and installation to meet highest quality industry standard. Locate and secure all specified plants within two weeks of award of contract and show proof of delivery to Landscape Architect in writing that plants have been secured. Notify Landscape Architect immediately of any plant sourcing difficulty.
- Guarantee plant material 5 gallon or smaller except transplants for a period of 90 days from date of final review. Replace dead plants and plants not in vigorous condition, without cost to owner, as determined by Landscape Architect at the end of warranty period. Guarantee 15 gallon plants and larger, for 1 year from date of final review.
- Notify Landscape Architect of intended planting schedule a minimum of two weeks prior to planting.
- Set out all plant materials as shown on plan. Final locations must be approved by the Landscape Architect prior to planting.
- Plant crown to be 2" above adjacent grade for 15 gallon and larger plants; 1" above adjacent grade or plants smaller than 15 gallon.
- Consult Landscape Architect for decision regarding proposed plant substitutions 4 weeks prior to installation.
- Any tree shown on plan to be installed in less than 8' (eight feet) clear distance from any curb, walkway, foundation, domestic water line, the line, storm drain, or sewer line, or any underground utility is to be installed with root control barriers (US 24-2) on the line adjacent to any underground utility. Install as directed by detail. Install per manufacturer's instructions. Plant trees do not require root control barriers. Landscape Architect may alter or waive requirement.
- Plant groundcovers adjacent to shrubs and/or trees 1.5 times the distance of their specified spacing away from the stems of the adjacent shrubs and trees. Groundcovers adjacent to curbs and pavement shall be spaced at specified spacing away from paved areas.
- Plant backfill: See Specifications.
- Completely eradicate all bamboo, Myrica, grass, and other weed growth or other viable or alleged invasive weeds from areas within project limits prior to installing plants.
- Provide and install bark mulch over all shrub and groundcover areas. Use walk-on bark mulch. Walk on bark mulch shall be a virgin forest product consisting of shredded fir bark and bark nuggets. Source from Agronix (800) 247-0845 or as listed in the specifications. Spread mulch evenly over all shrub and groundcover areas to a depth of 2" (three inches). Keep mulch away from plant stems. Submit mulch samples to Landscape Architect for approval prior to purchase and delivery.
- Preserve and protect all existing trees unless otherwise noted.
- Any tree or plant containing pathogens, bacteria or viruses harmful to plant health shall be replaced at the Contractor's expense.
- In areas with significant gopher populations that can not be controlled through traps or other conventional methods, all plant material is to be placed in an appropriately sized gopher basket. Turf areas are to be installed over a single layer of protective wire. Overlay all areas by 8" and stake wire on 6" centers throughout. Contractor to coordinate with Landscape Architect on what constitutes a "significant" population. Contractor to include cost of baskets and wire in all bids and planting estimates.

Hydroseed Notes

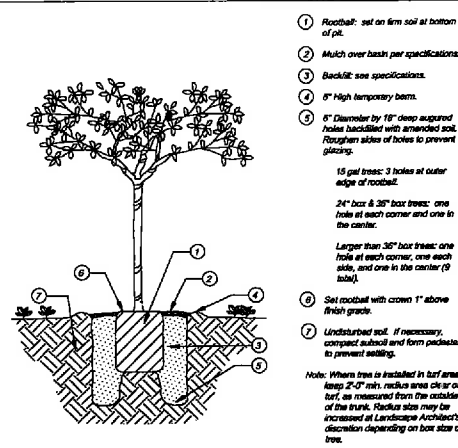
- All hydroseed and plants are identified by typical hatches. Plant quantities are approximate and provided for the contractor's convenience. In the event of discrepancies in plant count indicated in the legend, quantities indicated by hatches on the plan prevail.
- Include in the contract price a sufficient amount to allow for supply and installation of additional hydroseed to be used at the direction of the Landscape Architect. Include 10% extra of the total amount of hydroseed in the bid price. Credit the Owner for any additional hydroseed not installed.
- Loosen topsoil of seeded areas to minimum depth of 4". Remove stones over 1" in any dimension and sticks, roots, rubbish, and extraneous matter, and completely eradicate all non-native grasses and weed growth within project limits prior to installing hydroseed. Do not hydroseed over existing weeds and non-weed grasses.
- Submit seed vendor's certification to Landscape Architect for required hydroseed mixture, indicating percentage by weight, and percentages of purity, germination, and weed seed for each plant species.
- Replace and repair all hydroseed areas that have not successfully germinated by the middle of the maintenance period and at the end of the maintenance period.
- Install North American Green C125 double net coconut blanket control fabric (Pacific Soil Stabilization Santa Maria, CA 92454 PH (800) 473-1905) on all slopes of 5:1 or greater, per manufacturer's specifications. Hydroseed installed with North American Green C125 double net coconut blanket shall be installed under blanket. Do not install hydroseed on top of blanket.
- Deliver hydroseed and fertilizer materials in original unopened containers, showing weight, analysis, and name of manufacturer. Store in a manner to prevent wetting and deterioration.
- Protect existing utilities, paving, and other facilities from damage caused by planting operations.
- Restrict traffic from hydroseeded areas until plants are established. Erect signs and barriers as required.
- Hydroseed indicated areas within Contract limits and areas adjoining Contract limits disturbed as a result of construction operations.
- Use a hyponitrate (sprayer) and apply mixture at the rate specified. Mix in accordance with Manufacturer's recommendations.



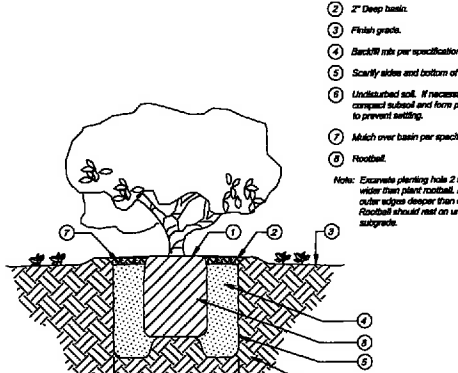
5 SHRUB PLANTING ON SLOPE
Not to Scale



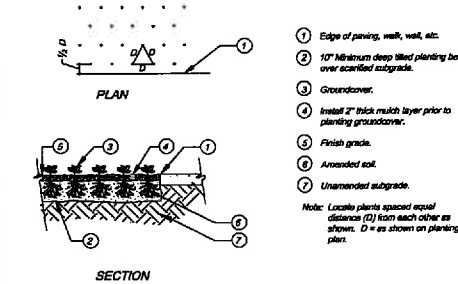
6 TREE PLANTING ON SLOPE
Scale: Not to Scale



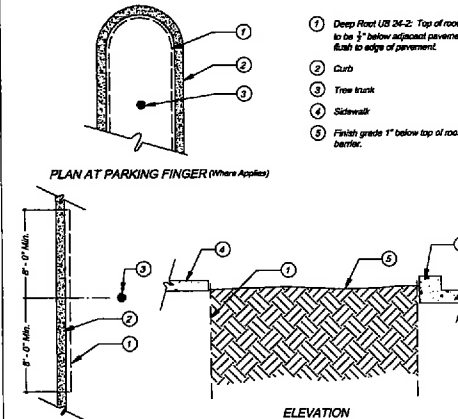
1 TREE PLANTING
Not to Scale



2 SHRUB PLANTING
Not to Scale



3 GROUNDCOVER PLANTING
Not to Scale



4 ROOT CONTROL BARRIER
Not to Scale

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Revisions

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PLANTING DETAILS

Issue
4.23.18

Date
4.23.18
Job Number
16.077
Drawn By
ACL
Checked by
MG
Sheet
of

LP-2