

SCANNED

CUSHMAN RESIDENCE PLANS COLUMBIA COUNTY, FL

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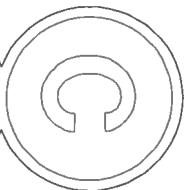
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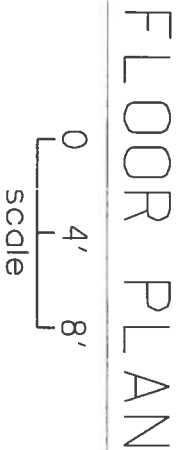
MJS 572
11-1-19

CUSHMAN RESIDENCE PLANS
COLUMBIA COUNTY, FLORIDA

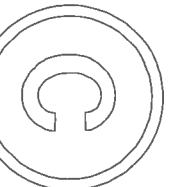
PLANS PREPARED BY:
MARTY J. HUMPHRIES P.E. # 51976
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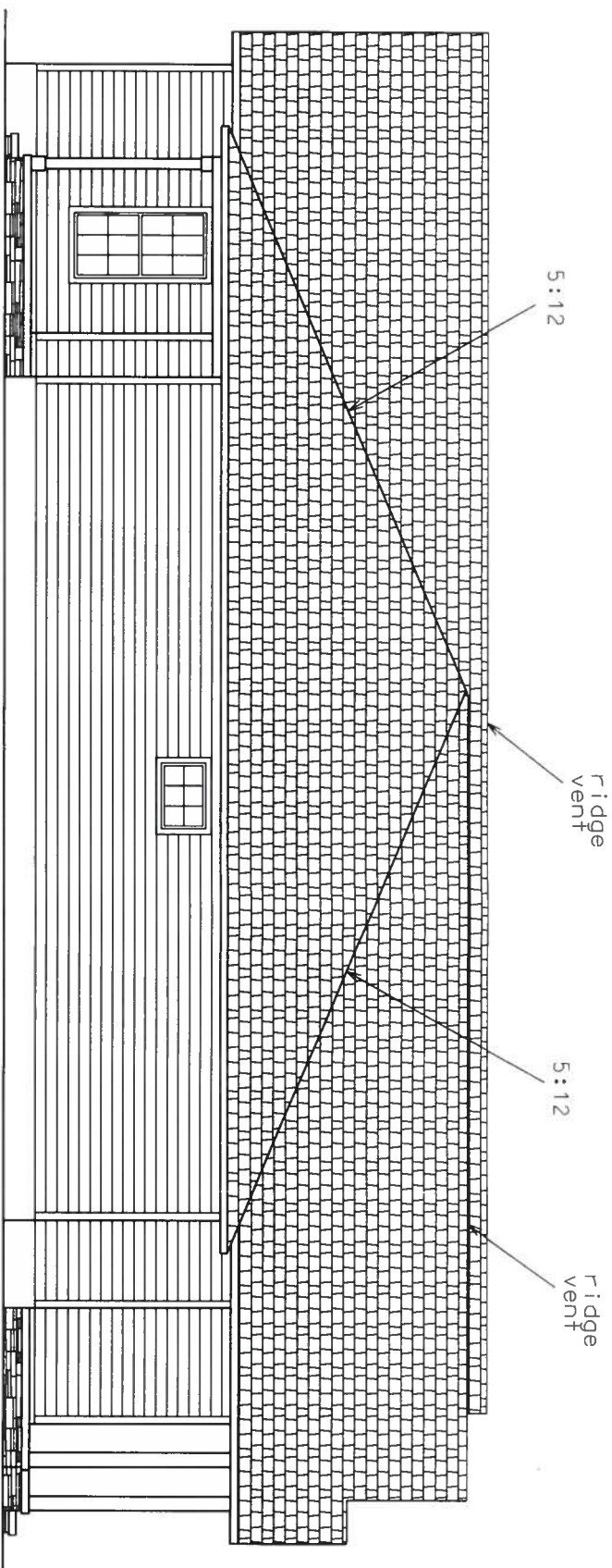


SHEET
1
OF
15



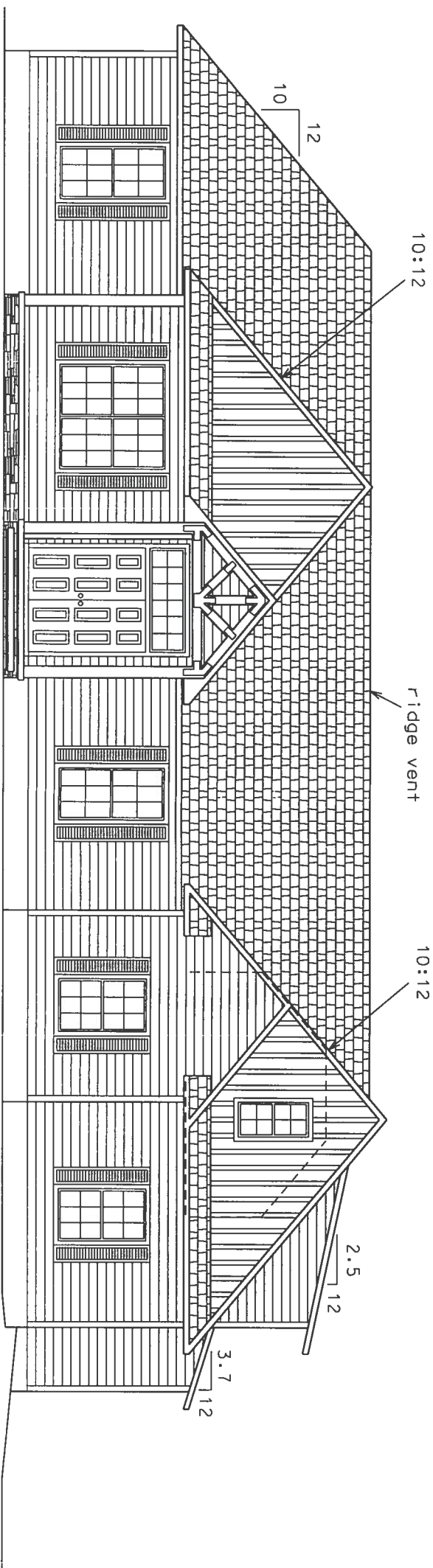
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LEFT ELEVATION

0 4' 8'
scale



FRONT ELEVATION

0 4' 8'
scale

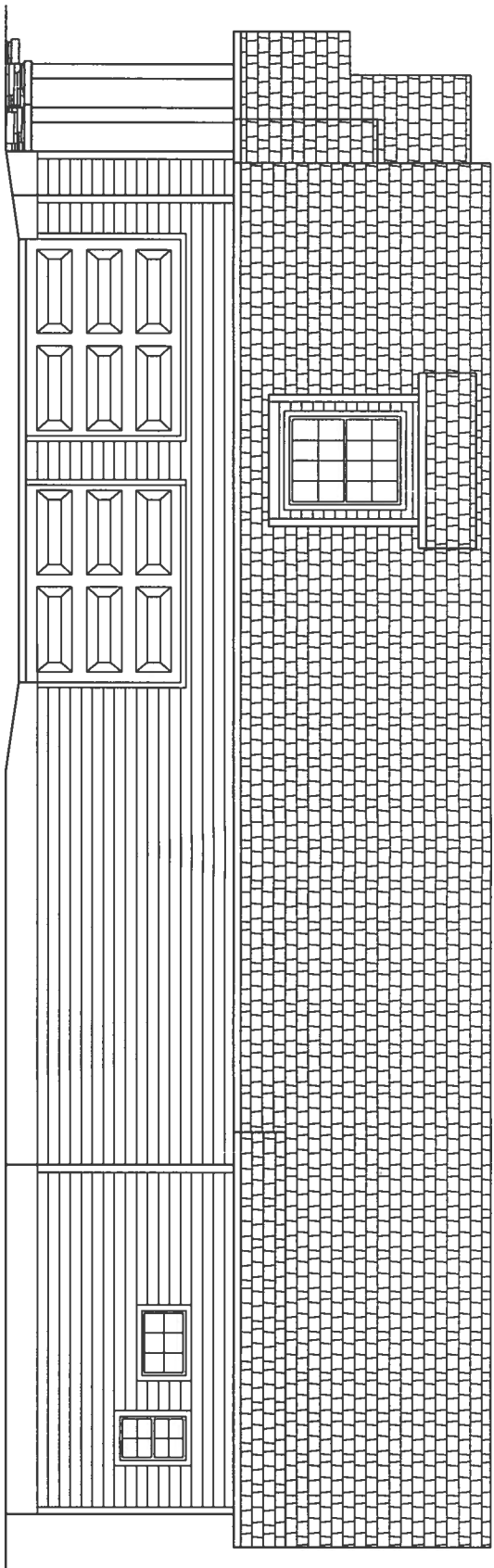
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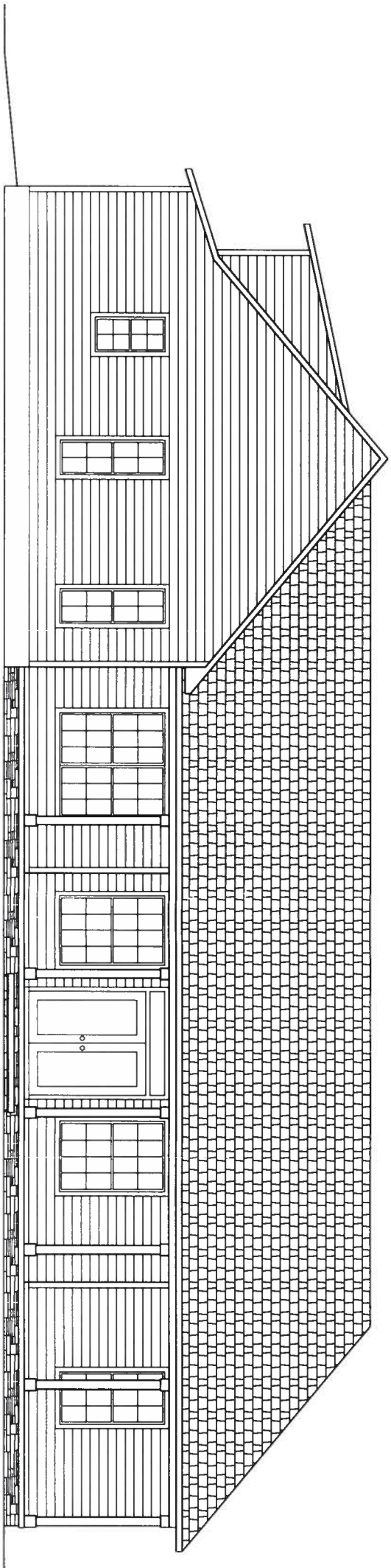


SHEET
3
OF
15



RIGHT ELEVATION

0 4' 8'
scale



REAR ELEVATION

0 4' 8'
scale

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11-1-19



(Designed In accordance with the 2017 FBC):

WINDLOAD DATA AND EXPOSURE:

Basic Wind Speed = 120 mph Vult.

Importance Factor = 1.0

Exposure Category = B

Residential Occupancy = Group R3

Mean Roof Height = 17'

Height and Exposure Adjustment Coefficient = 1.00

Roof Cross Slope = 5:12, 10:12

Wall Height = 8', 9', 10'

Risk Category = II

Component and Cladding Pressures = Roof(Zone 1=10,-14, Zone 2=10,-24
Zone 3=10,-36), Wall(Zone 4=15.5,-16, Zone 5=15.5,-20)(units are psf)

Zone 3=10,-36), Wall(Zone 4=15.5,-16, Zone 5=15.5,-20)(units are psf,

TRUSS ANCHORS:

At Truss to Exterior Wall, Porch Beam and Interior Load Bearing Wall

Locations: install one Simpson Model H10A anchor for all trusses.

Connect Valley trusses to roof trusses/deck with Simpson V clips at each end and 6' max spacing along truss. (See Truss

Layout for additional requirements)

WALL STRAPPING:

At the top and bottom of the wall install one SP6 each side of each window or door 4' or less in width and install 2 each side top and bottom of the wall for windows or doors over 4' in width. At interior load-bearing walls install one SP4 or SP6 32" on center top and bottom of the wall and each side of door. All other locations install 1 SP4 or SP6 top and bottom of the wall 4' on center. At each side of garage door opening install 5/8" all-thread embedded 6" into footer and epoxied with Simpson SET-XP, and extend to top of wall plate and install 3" plate washer, lock washer and nut.

SHEATHING:

Wall sheathing shall be installed with long dimension vertical on exterior walls and full-depth blocking shall be required at horizontal joints in sheathing.

CABLE ENDS:

(see Cable End Bracing detail)

PORCH COLUMNS:

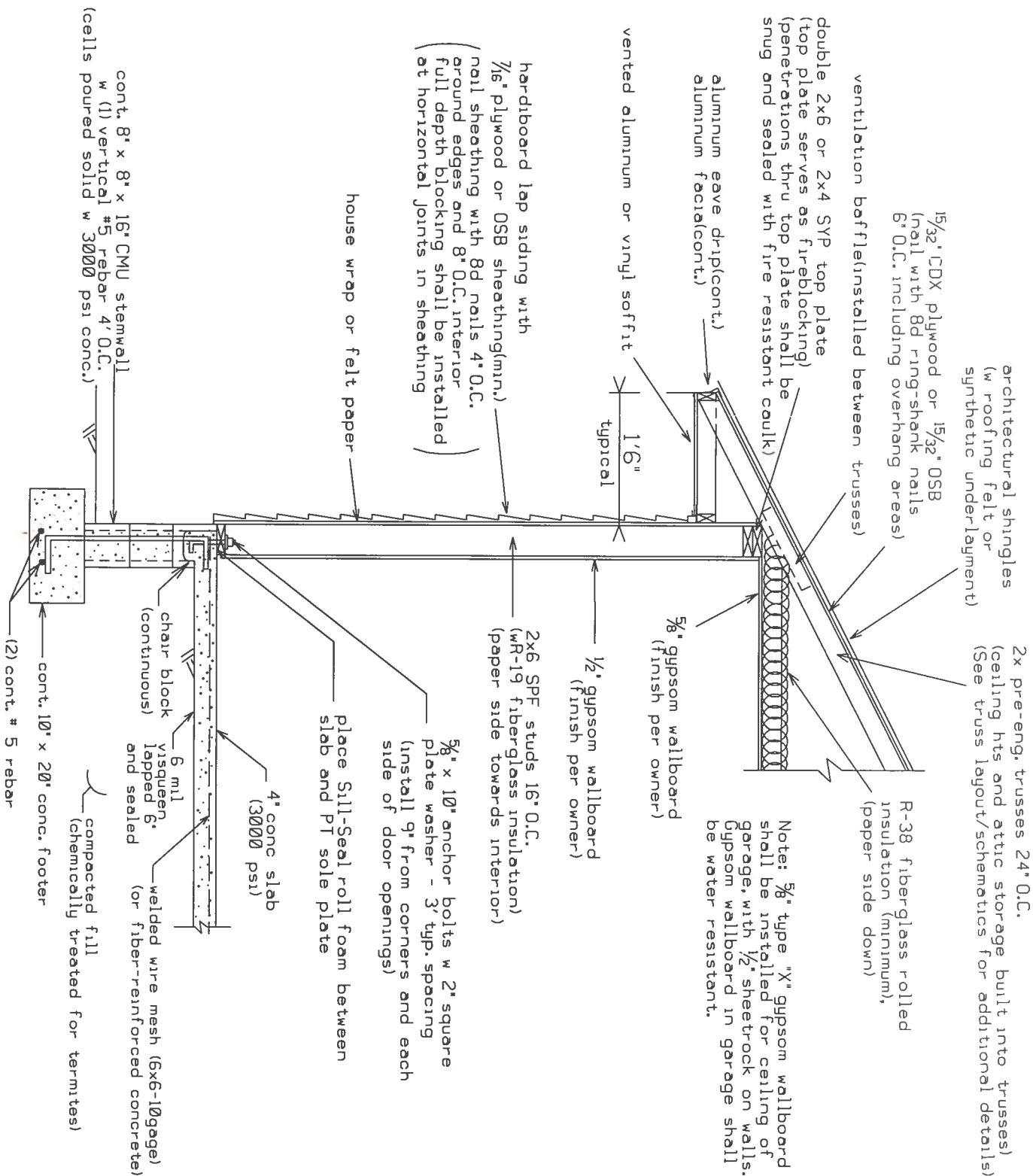
Rear Porch: at each column install Simpson model ABU66 and 2-LSTA12 straps at top connecting column to header

Front Porch: at each column Install Simpson model CPT88Z concealed post base

PORCH CEILINGS:

Install 1x4 SPF lathes 16" on center nailed to trusses with 2-8d nails on each side. Install 7/16" OSB sheathing nailed with 8d nails 6" on center and cover with solid aluminum or vinyl soffit material.

Equivalent capacity anchors may be substituted, installed in accordance with the manufacturers requirements.



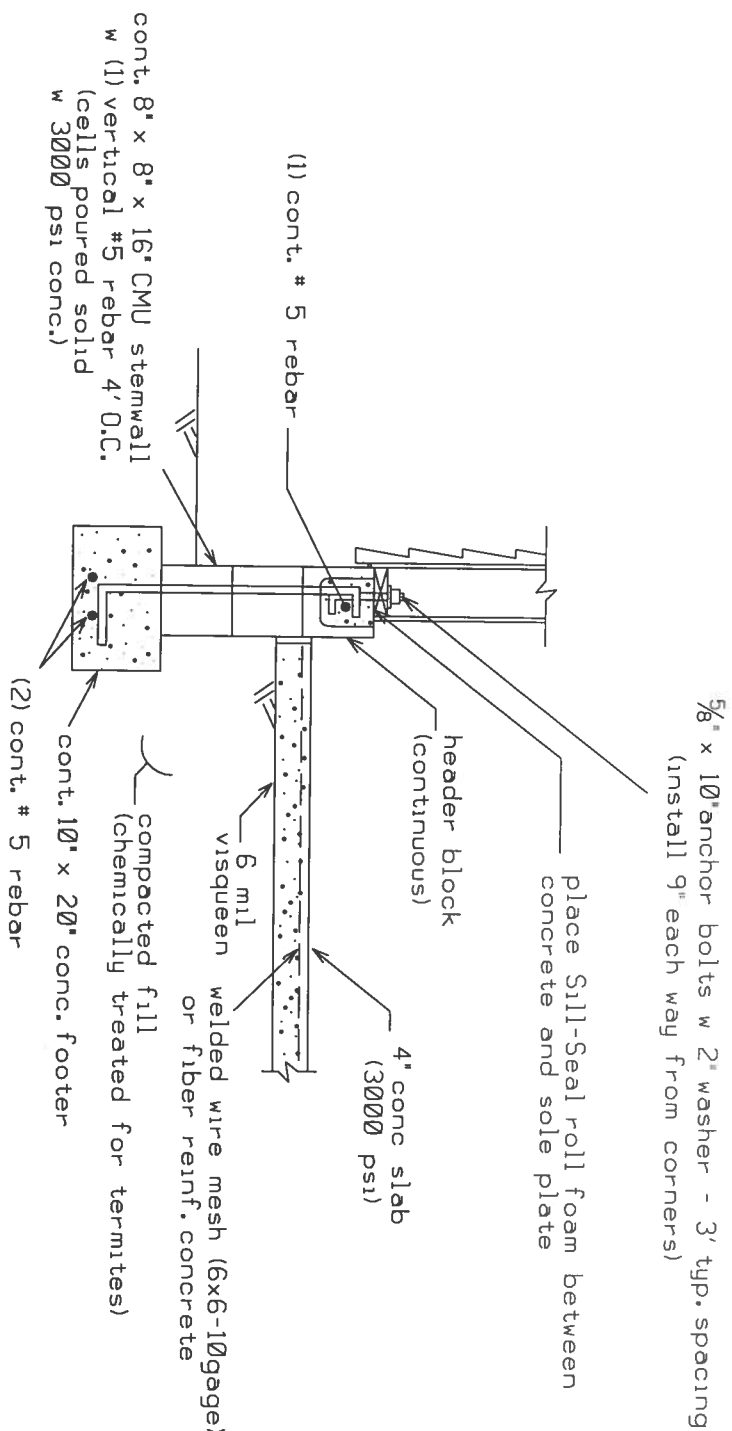
DETAIL A - TYPICAL WALL DETAIL(N.T.S.)

HEADER SIZES/MATERIAL SHALL BE AS FOLLOWS:

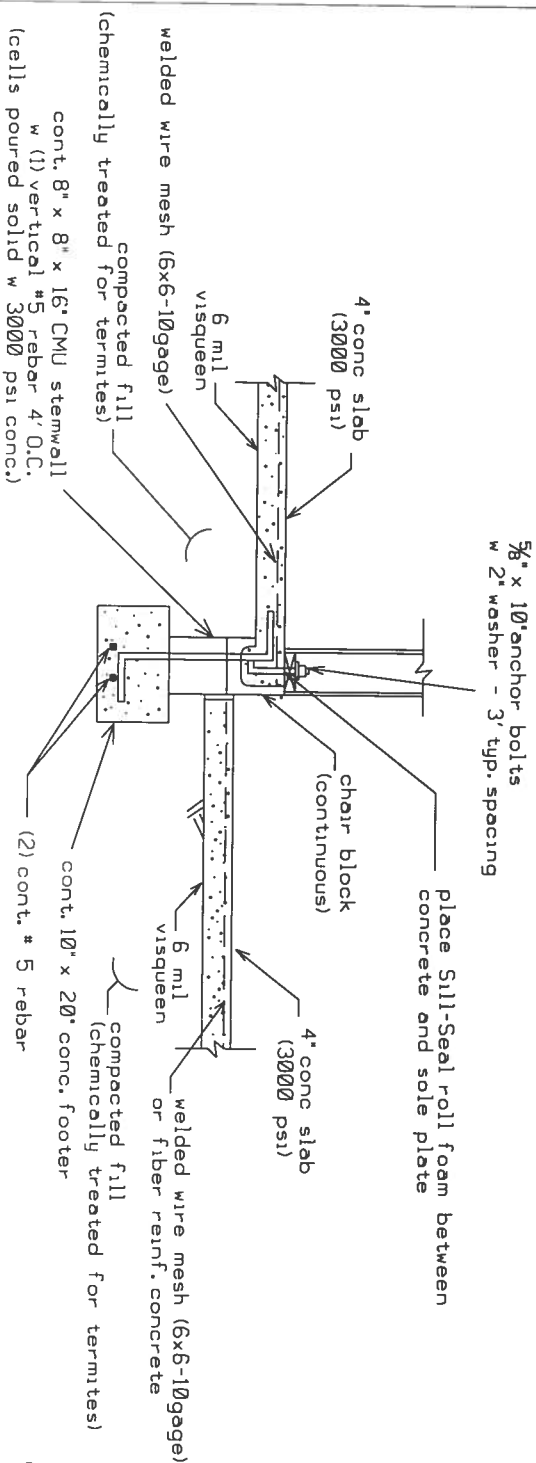
WINDOW AND DOORS: (FOR 2X4 WALLS) 2 - #2 SYP 2X12's w 1/2" plywood or OSB between nailed with 4-12d nails 10" O.C.
(FOR 2X6 WALLS) 2 - #2 SYP 2X10's w #2 SYP 2X6 top and bottom to form a box header, nail w 12d nails 10" O.C.

PORCHES: 2 - #2 SYP 2X10's w $\frac{1}{2}$ " plywood or OSB between nailed with 4-12d nails 10" O.C.
Connect to home with Simpson HUC410.

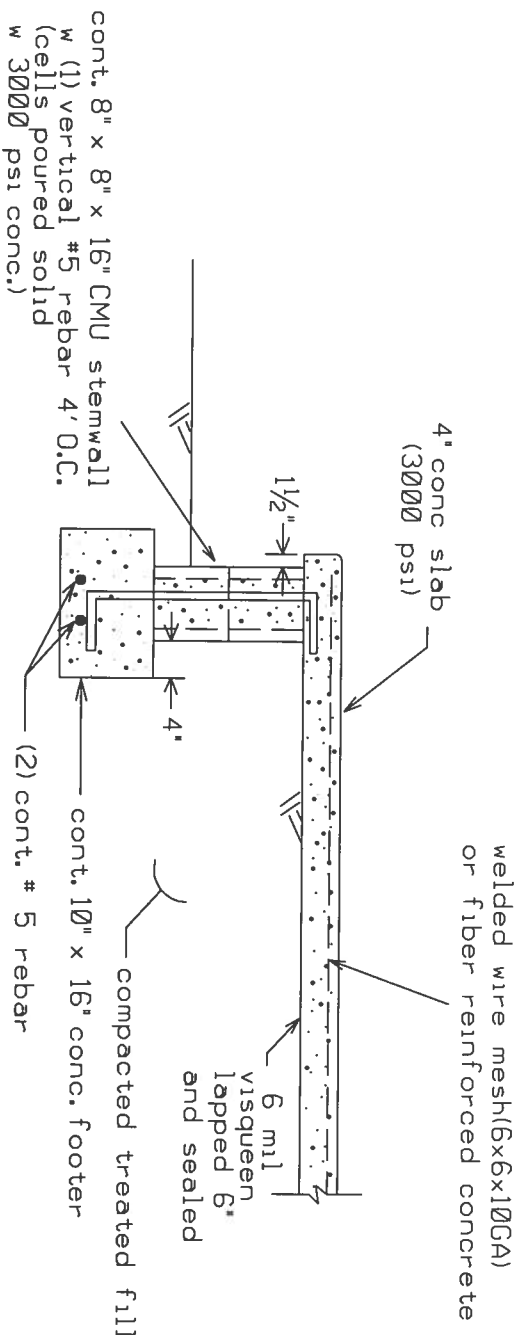
GARAGE DOOR HEADERS: 3 - #2 SYP 2x12's with 1/2" plywood between nailed with 4-12d nails 10" O.C.



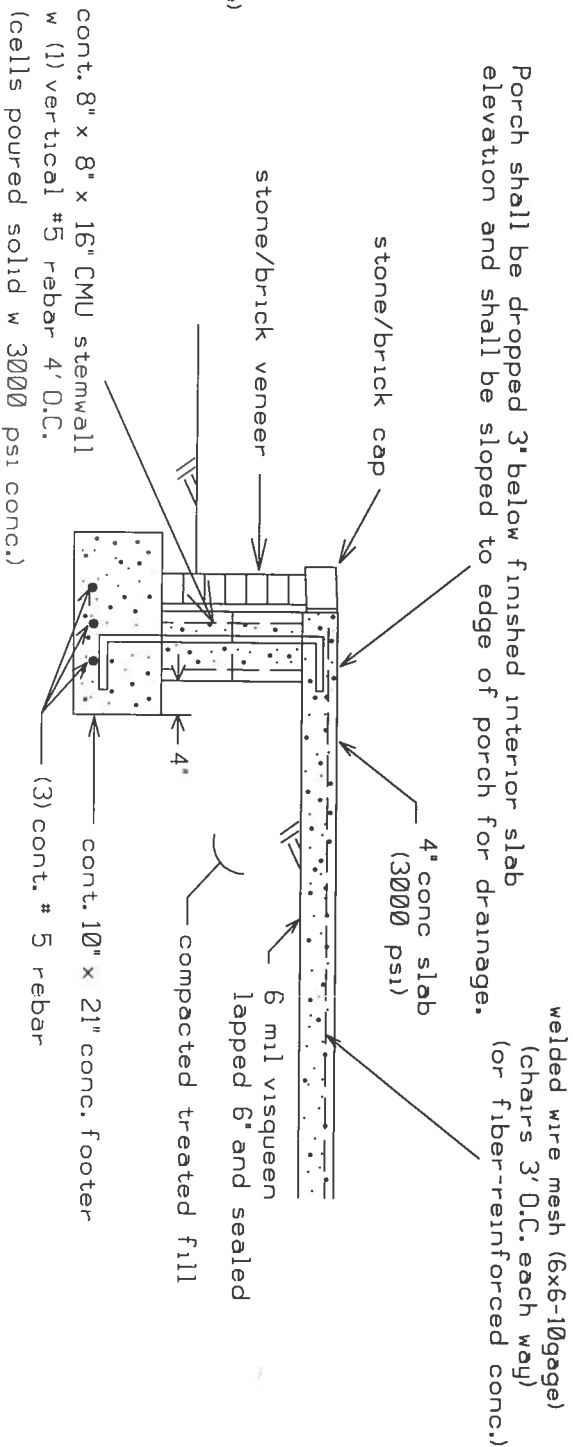
DETAIL "D"
GARAGE STEMWALL WITH FLOATING SLAB(N.T.S.)



DETAIL "E"
INTERIOR GARAGE STEMWALL
WITH FLOATING SLAB(N.T.S.)

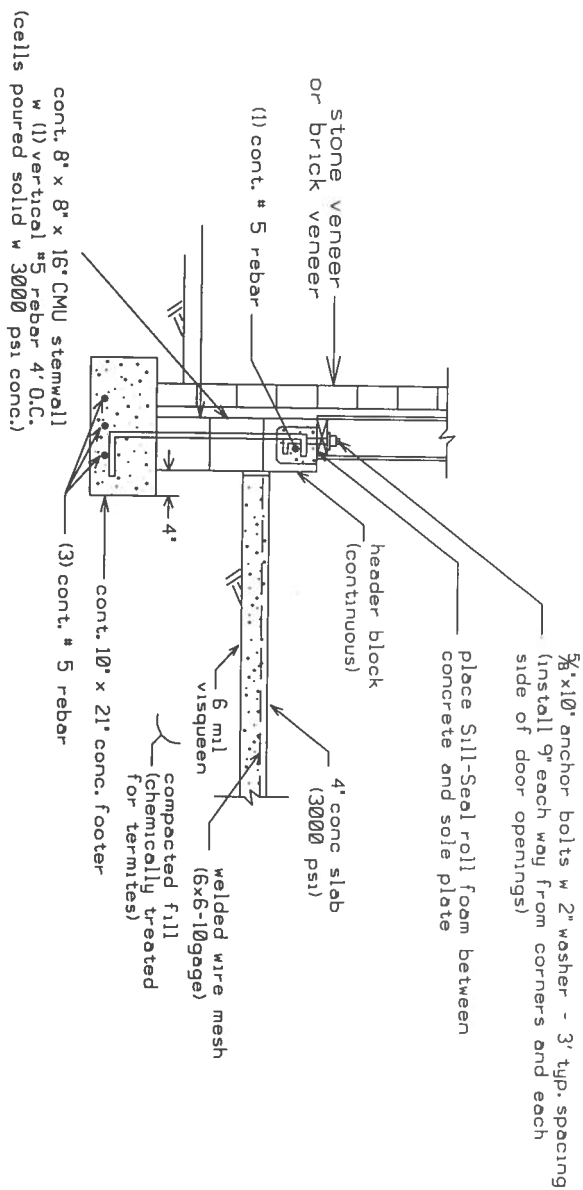


DETAIL "C" - PORCH FOUNDATION DETAIL (N.T.S.)

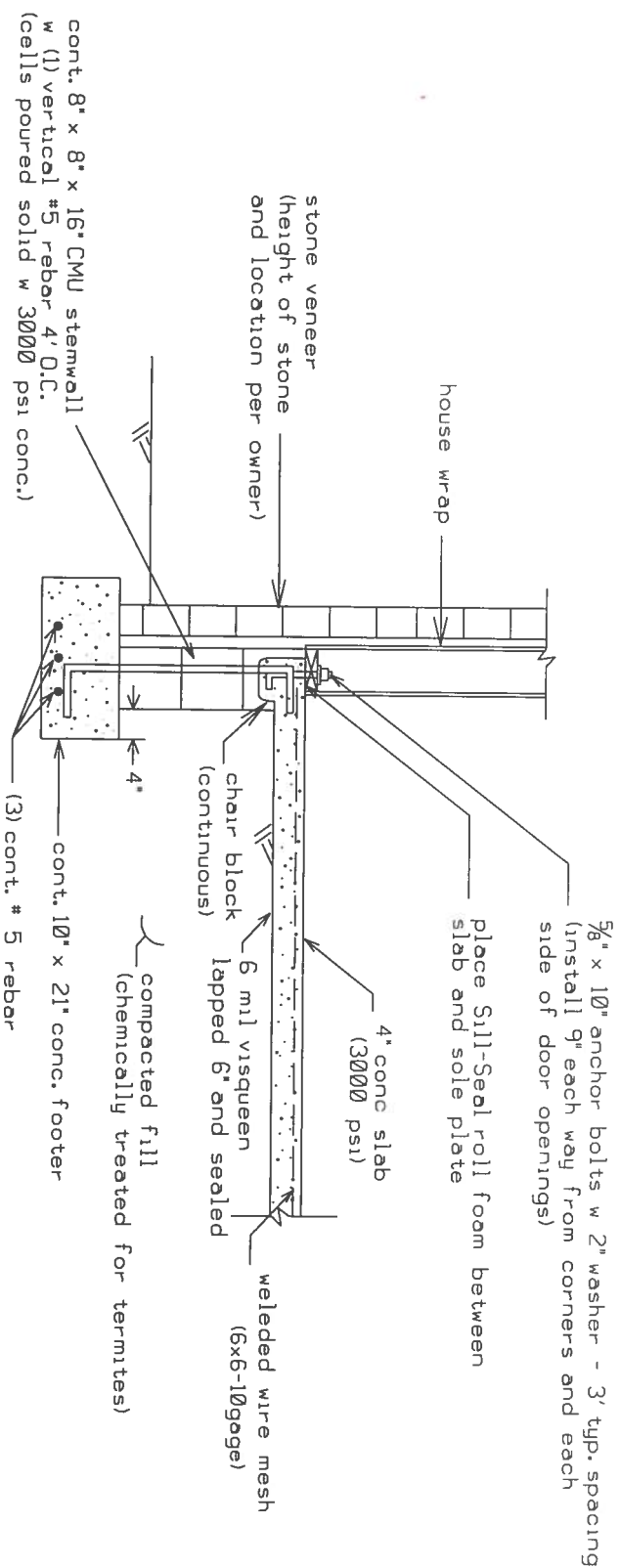


OPTIONAL DETAIL "B" - PORCH FOUNDATION DETAIL (N.T.S.)

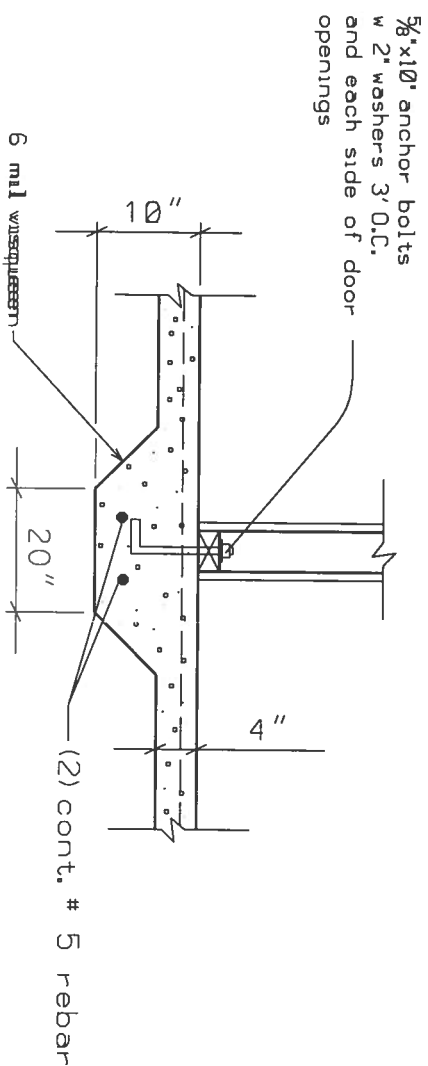
MJS 526
11-1-19



OPTIONAL DETAIL "D" - (AT STONE/BRICK VENEER LOCATIONS)
GARAGE STEMWALL WITH FLOATING SLAB(N.T.S.)



OPTIONAL DETAIL "A" FOOTER FOR STONE OR BRICK VENEER LOCATIONS

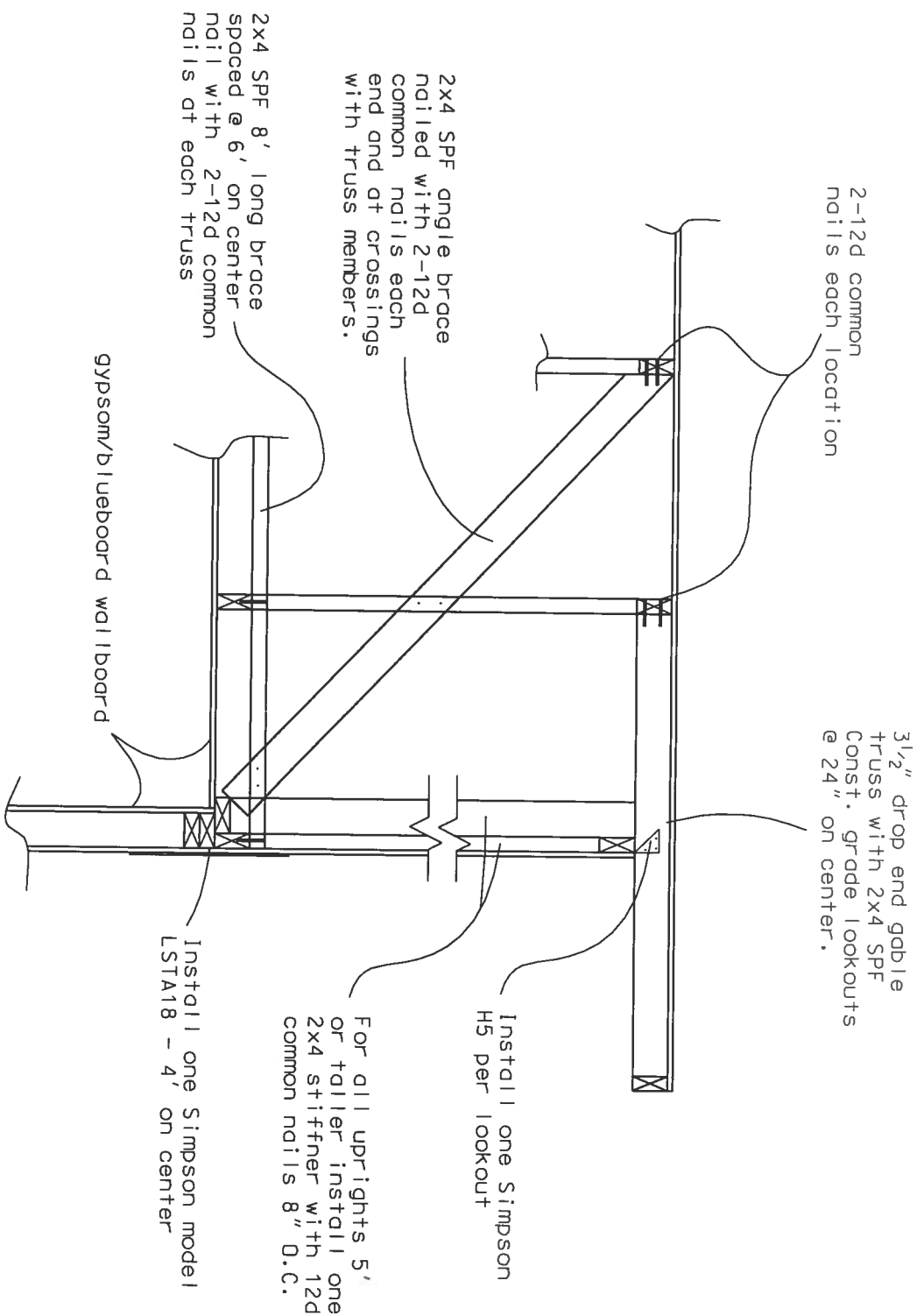


DETAIL F - INTERIOR MONOLITHIC FOOTER (N.T.S.)

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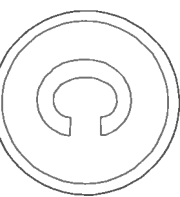
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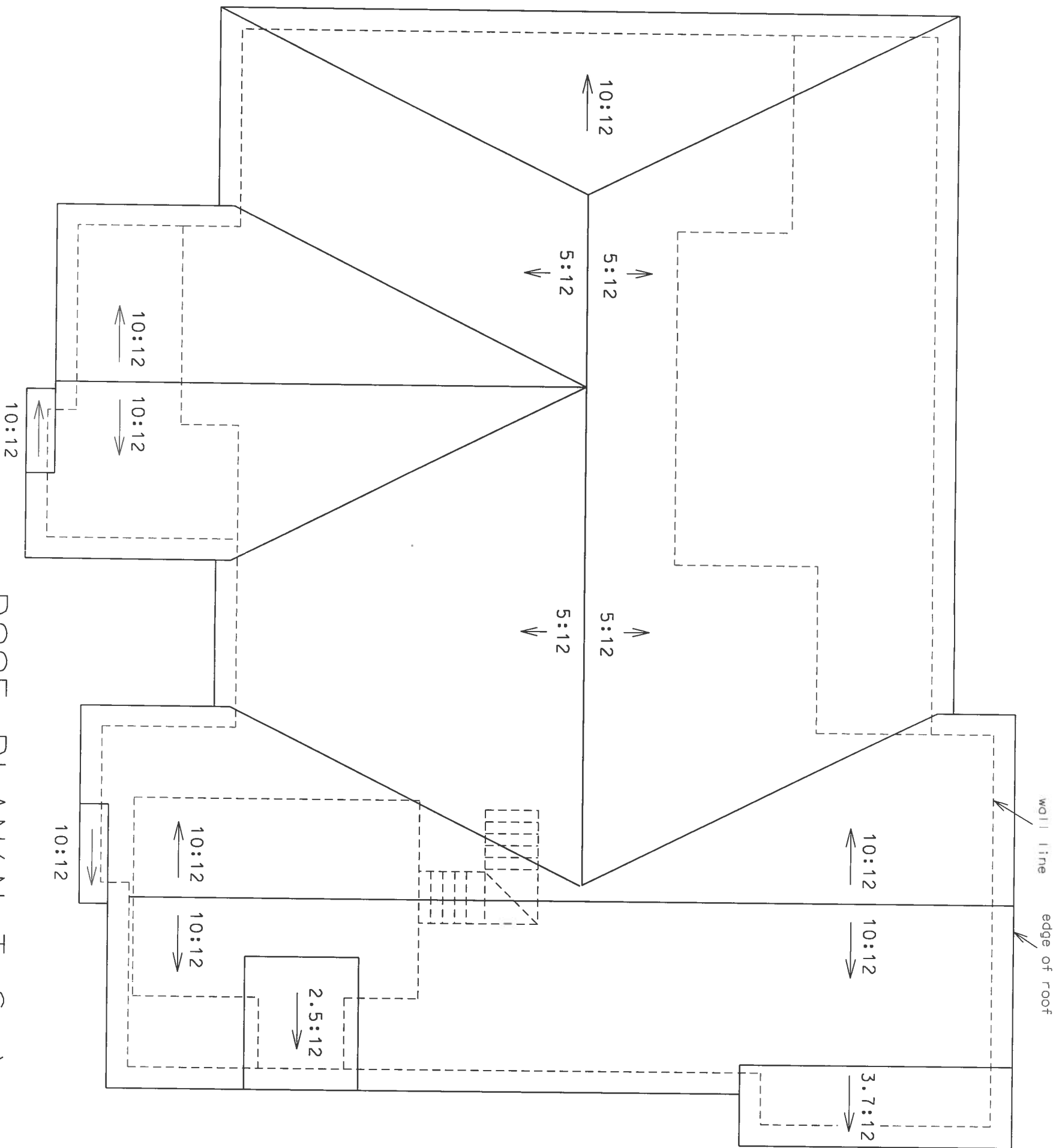


CABLE END BRACING DETAIL (N.T.S.)

NOTE: Gable end trusses shall be dropped 3 1/2" for construction of lookouts & overhang.
NOTE: Where 3/4" T&G plywood is installed in attic storage area bracing may be omitted.

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ROOF PLAN (N.T.S.)

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SHEET

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OF

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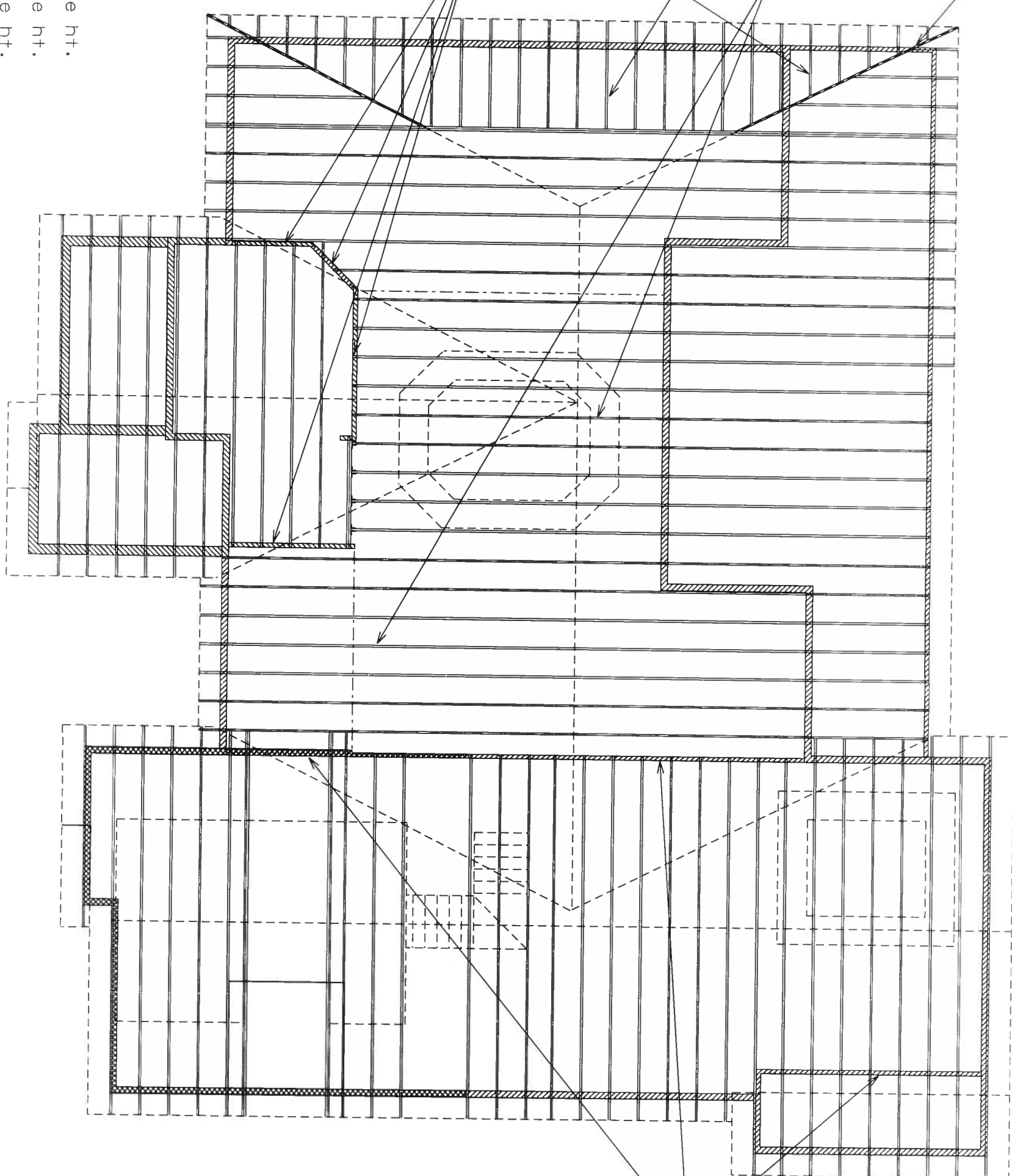
Hip Trusses:
build heel ht.
so eave overhang
matches 5:12
common trusses.

Common Trusses:
build change in
ceiling heights
into trusses

Jack Trusses:
build heel ht.
so eave overhang
matches 5:12
common trusses.

interior
load
bearing
wall

- 8'-1" plate ht.
- 9'-1" plate ht.
- 10'-1" plate ht.



interior
load
bearing
wall

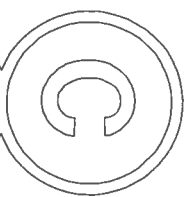
TRUSS LAYOUT (N.T.S.)

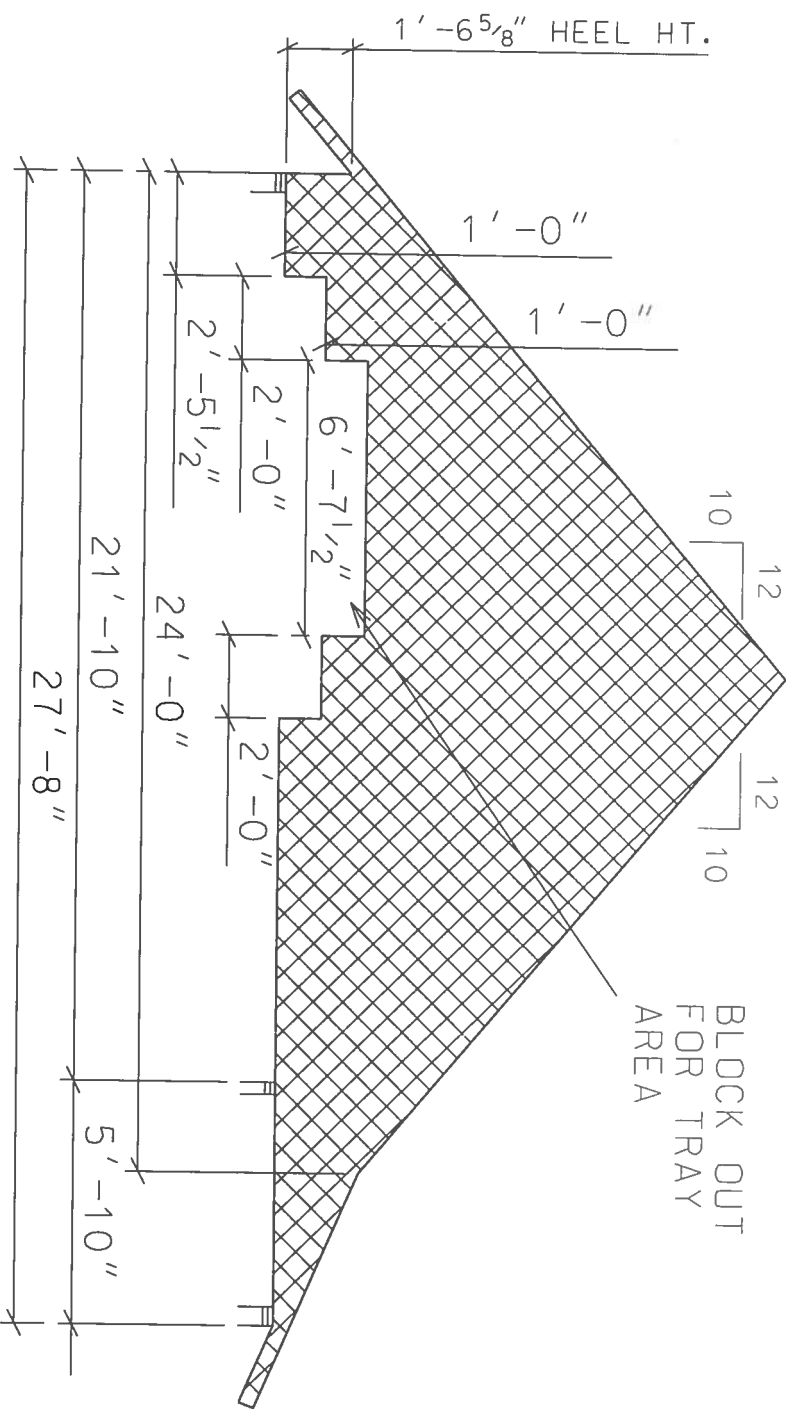
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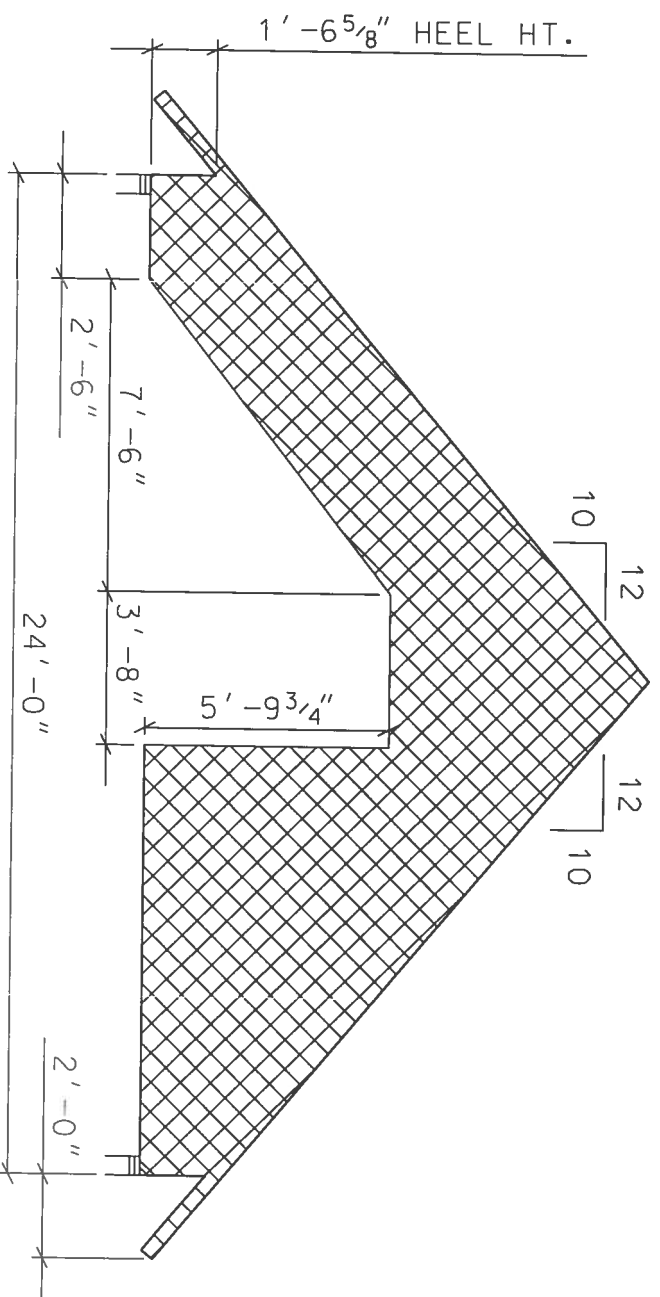
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SHEET
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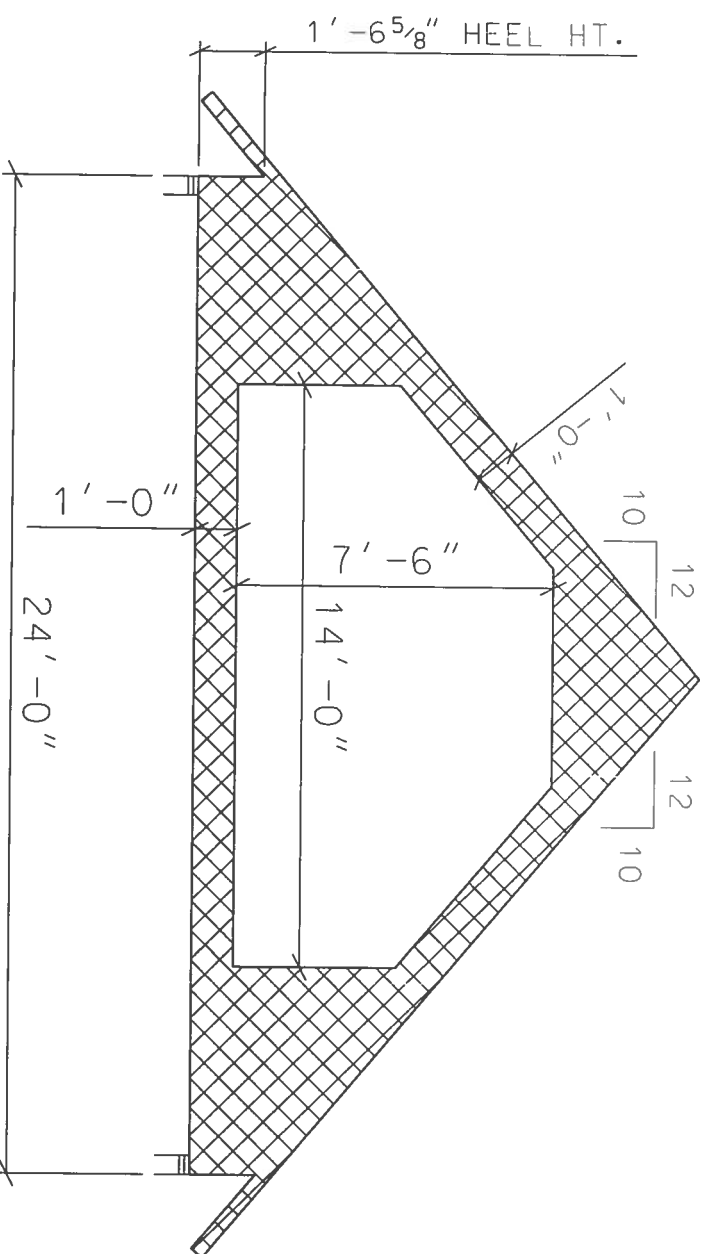




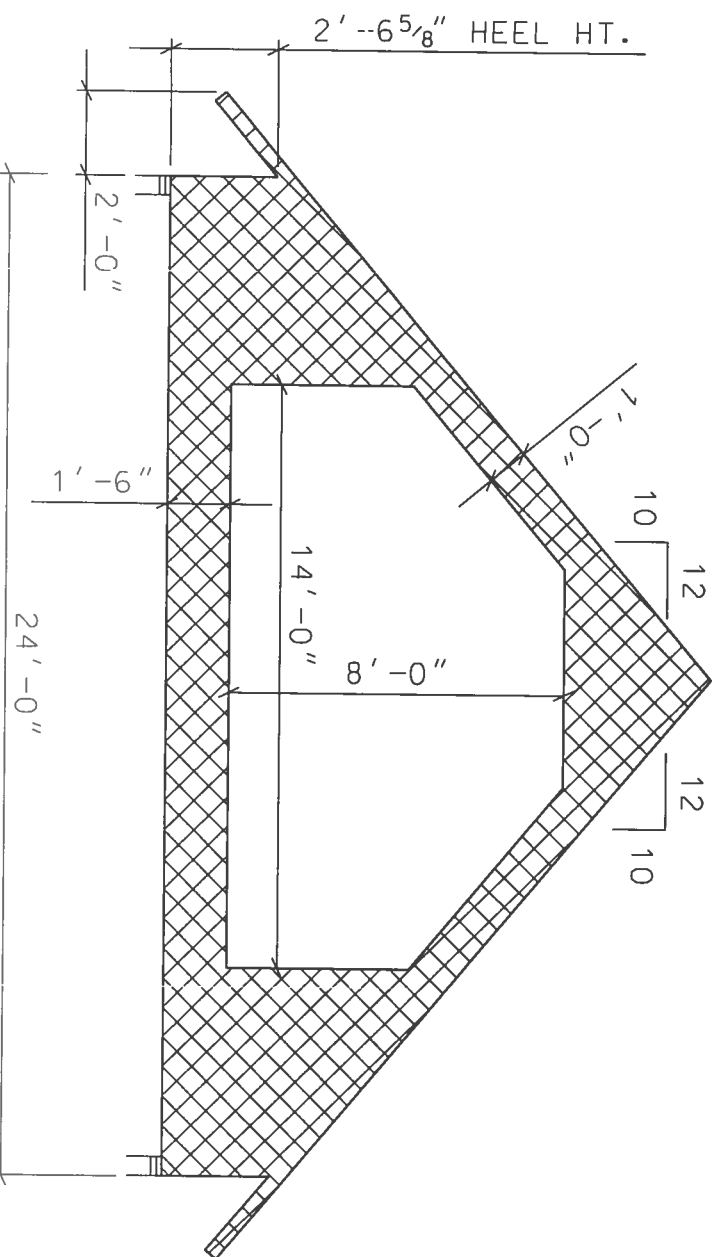
TRUSS SCHEMATIC (9'-1" PLATE HT.)(N.T.S.)
(OVER MASTER BEDROOM AREA)



TRUSS SCHEMATIC (9'-1" PLATE HT.)(N.T.S.)
(OVER STAIRS)

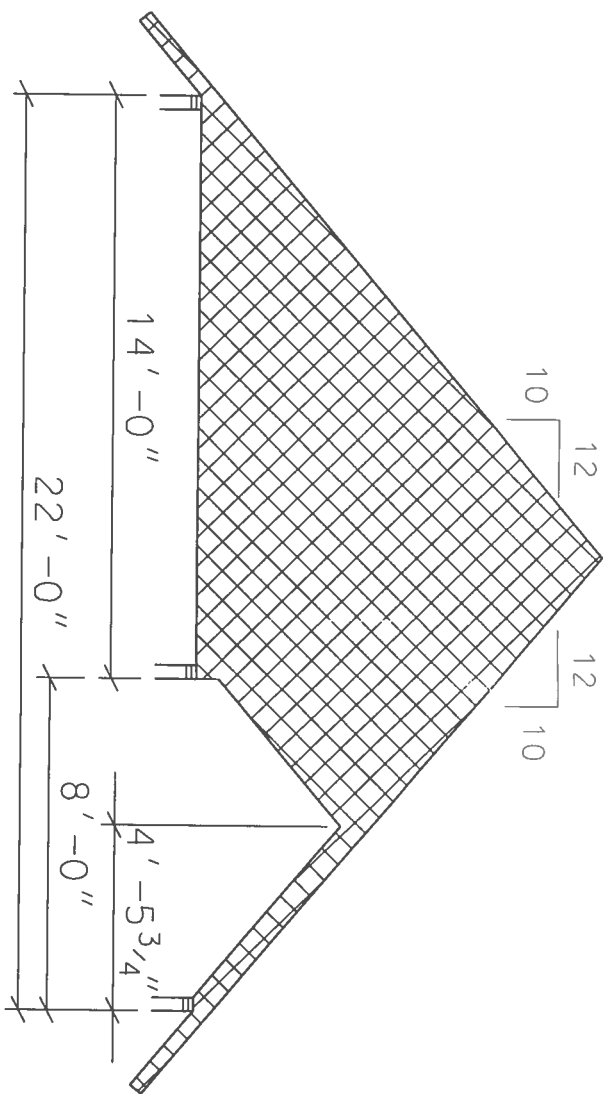


TRUSS SCHEMATIC (9'-1" PLATE HT.)(N.T.S.)
(LAUNDRY, 1/2 BATH, MASTER CLOSET, AND HALL AREAS)

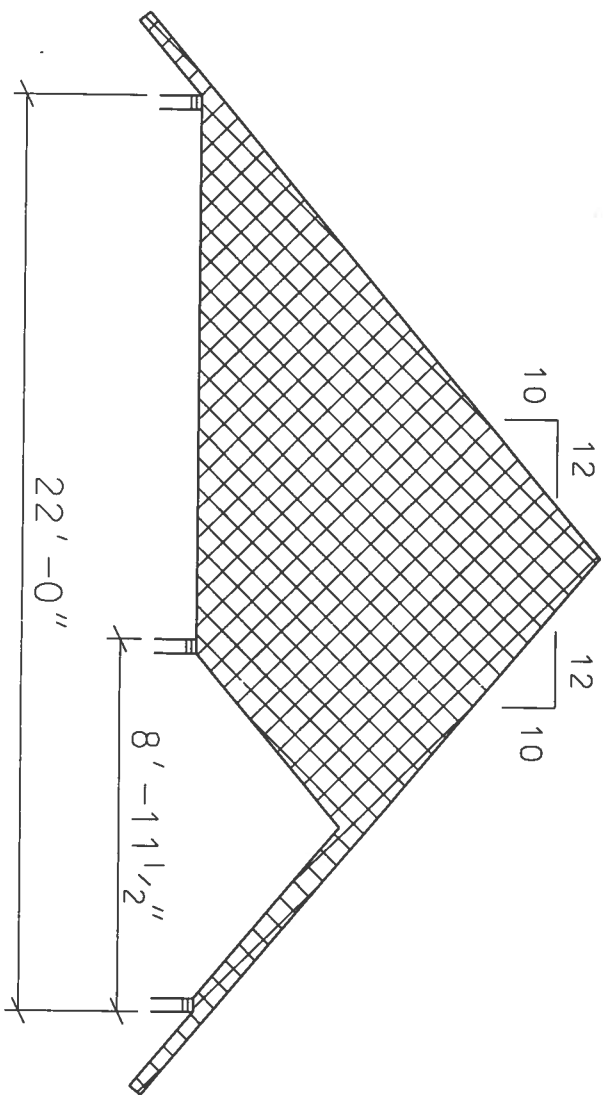


TRUSS SCHEMATIC (8'-1" PLATE HT.)(N.T.S.)
(GARAGE AREA)

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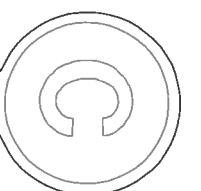


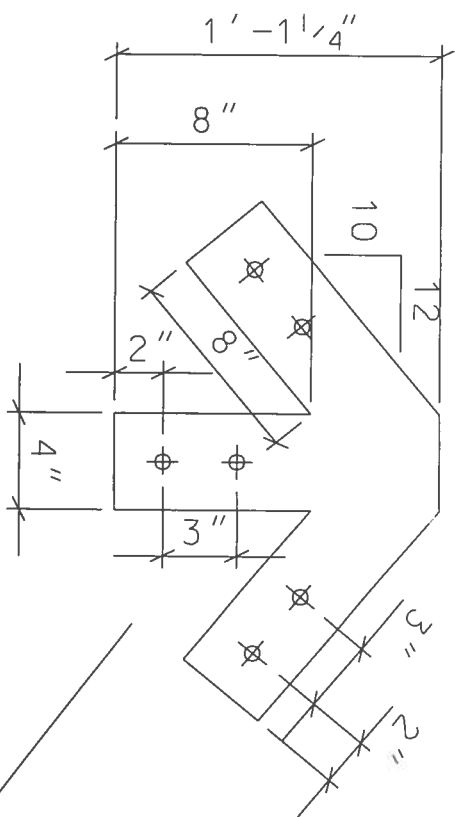
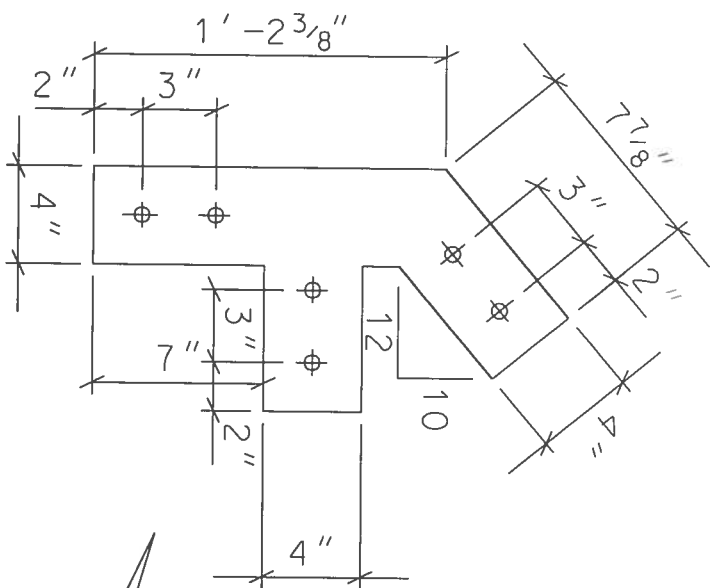
TRUSS SCHEMATIC (10'-4" PLATE HT. ABOVE PORCH) (N.T.S.)
(OVER READING AND FRONT PORCH AREA)



TRUSS SCHEMATIC (10'-4" PLATE HT. ABOVE PORCH) (N.T.S.)
(OPEN FRONT PORCH AREA)

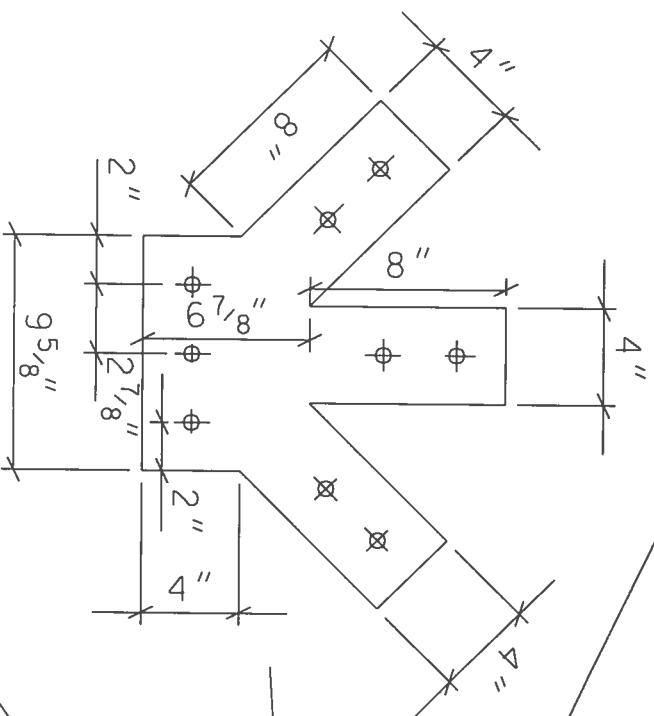
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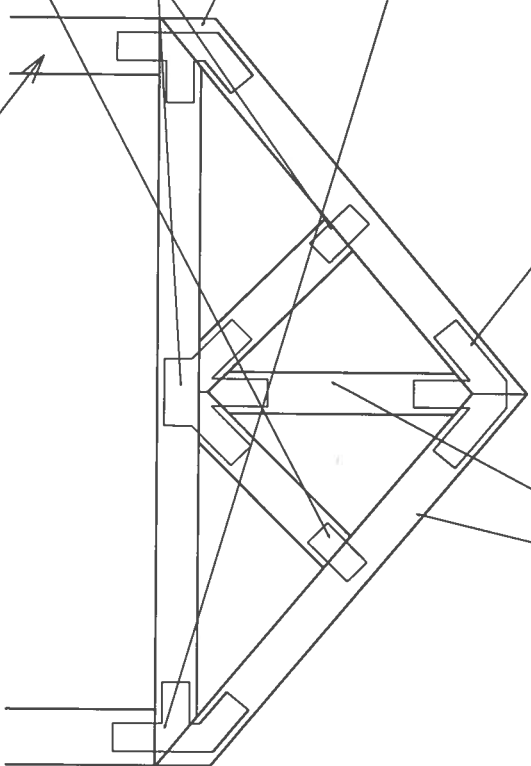


Connect truss to columns with 5-Simpson SDWH Timber Screws (Model SDWH271200SS-R5) countersink as necessary to ensure 4" embedment into top of columns

6x6 rough cut #2 visual graded cypress truss chords



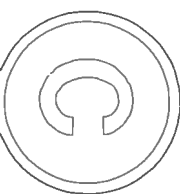
8x8 rough cut #2 visual graded cypress columns

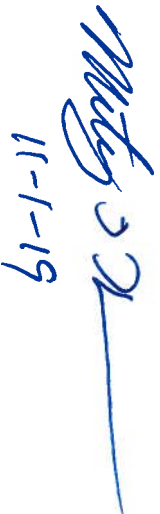


PORCH ENTRY ROOF FRAMING DETAIL (N.T.S.)

steel connector plates shall be $\frac{3}{8}$ " steel (A36) with $\frac{5}{8}$ " thru bolts, nuts and washers and shall be primed, and painted with exterior grade paint. (color per owner)

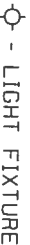
Mateo
11-1-19



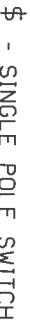


ELECTRICAL LEGEND

- 
 - CEILING FAN w/ LIGHTS


 - LIGHT FIXTURE

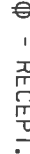

 - RECESSED CAN LIGHT FIXTURE

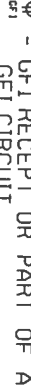

 - SINGLE POLE SWITCH


 - THREE-WAY SWITCH

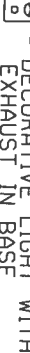

 - DIMMER SWITCH

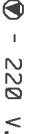

 - THREE-WAY DIMMER SWITCH

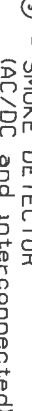

 - RECEPT.

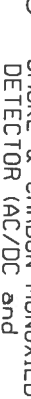

 - GFI RECEPT OR PART OF A GFI CIRCUIT.


 - SECURITY LIGHT


 - DECORATIVE LIGHT WITH EXHAUST IN BASE


 - 220 V.


 - SMOKE DETECTOR (AC/DC and interconnected)

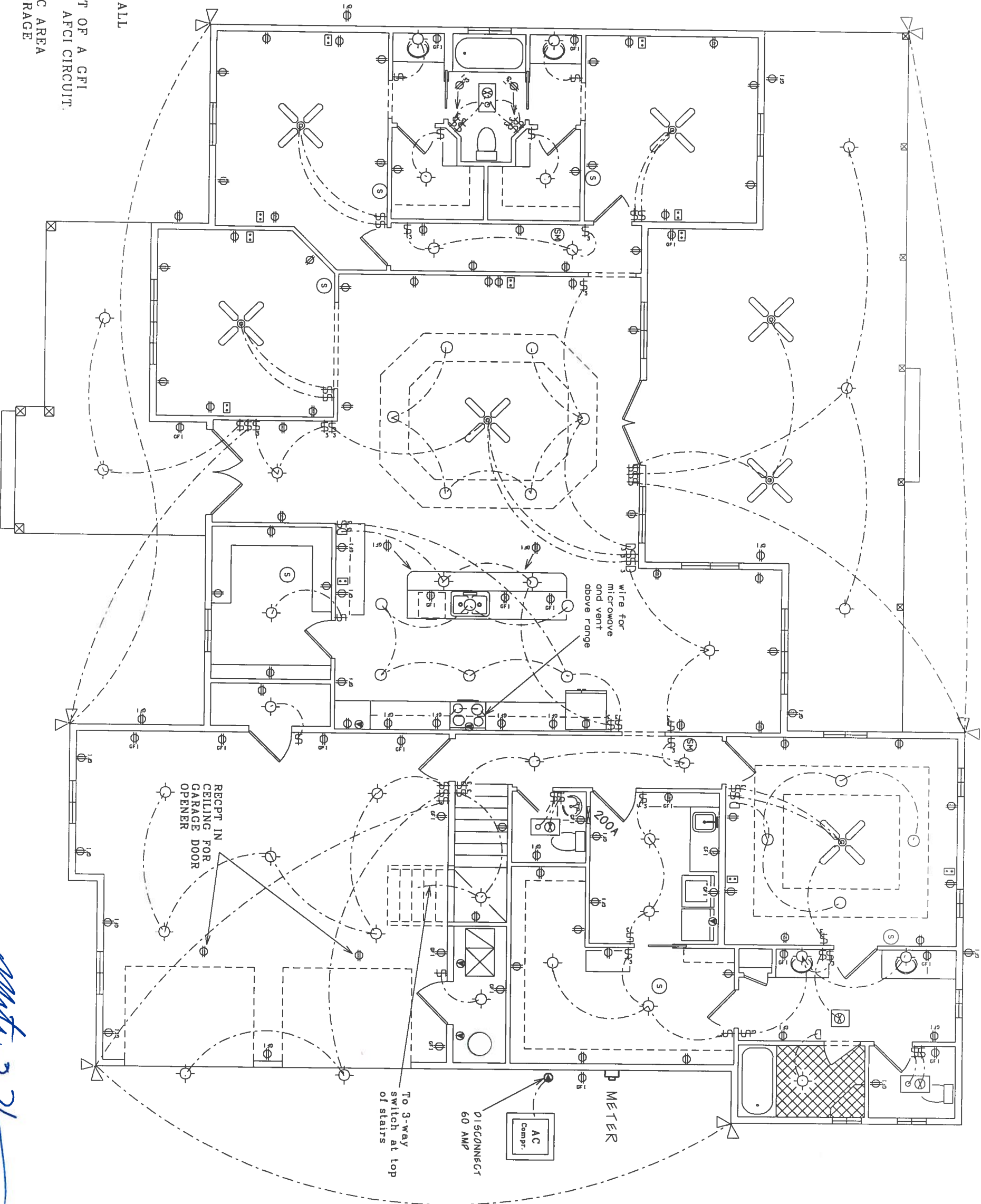

 - SMOKE & CARBON MONOXIED DETECTOR (AC/DC and interconnected)


 - COAX & TELEPHONE
- NOTES:

1.) ALL EXTERIOR RECEPTACLES SHALL BE WEATHERPROOF.

2.) ALL RECEPTS NOT A GFI OR PART OF A GFI CIRCUIT SHALL BE PART OF AN AFCI CIRCUIT.

3.) PLACE 4 LIGHTS IN HOME ATTIC AREA WITH SWITCH INSIDE ATTIC STORAGE DOOR AT TOP OF STAIRS.



ELECTRICAL PLAN (N.T.S.)

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