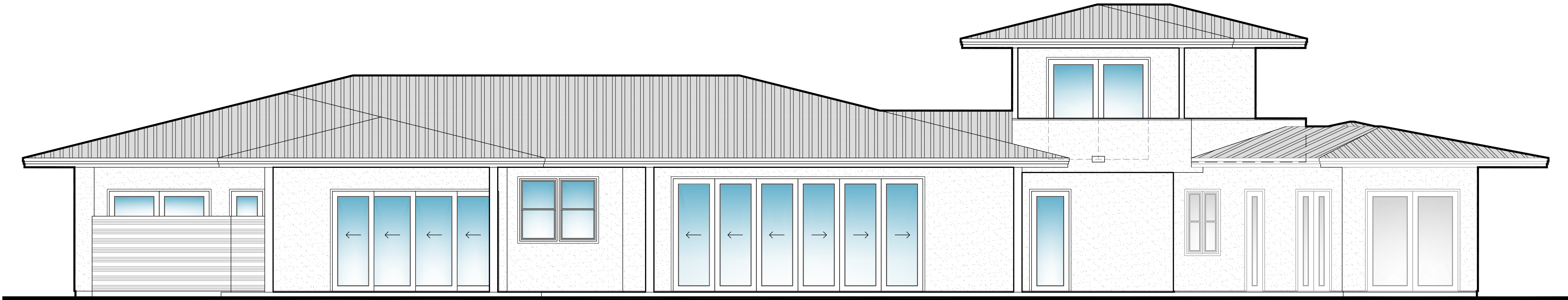


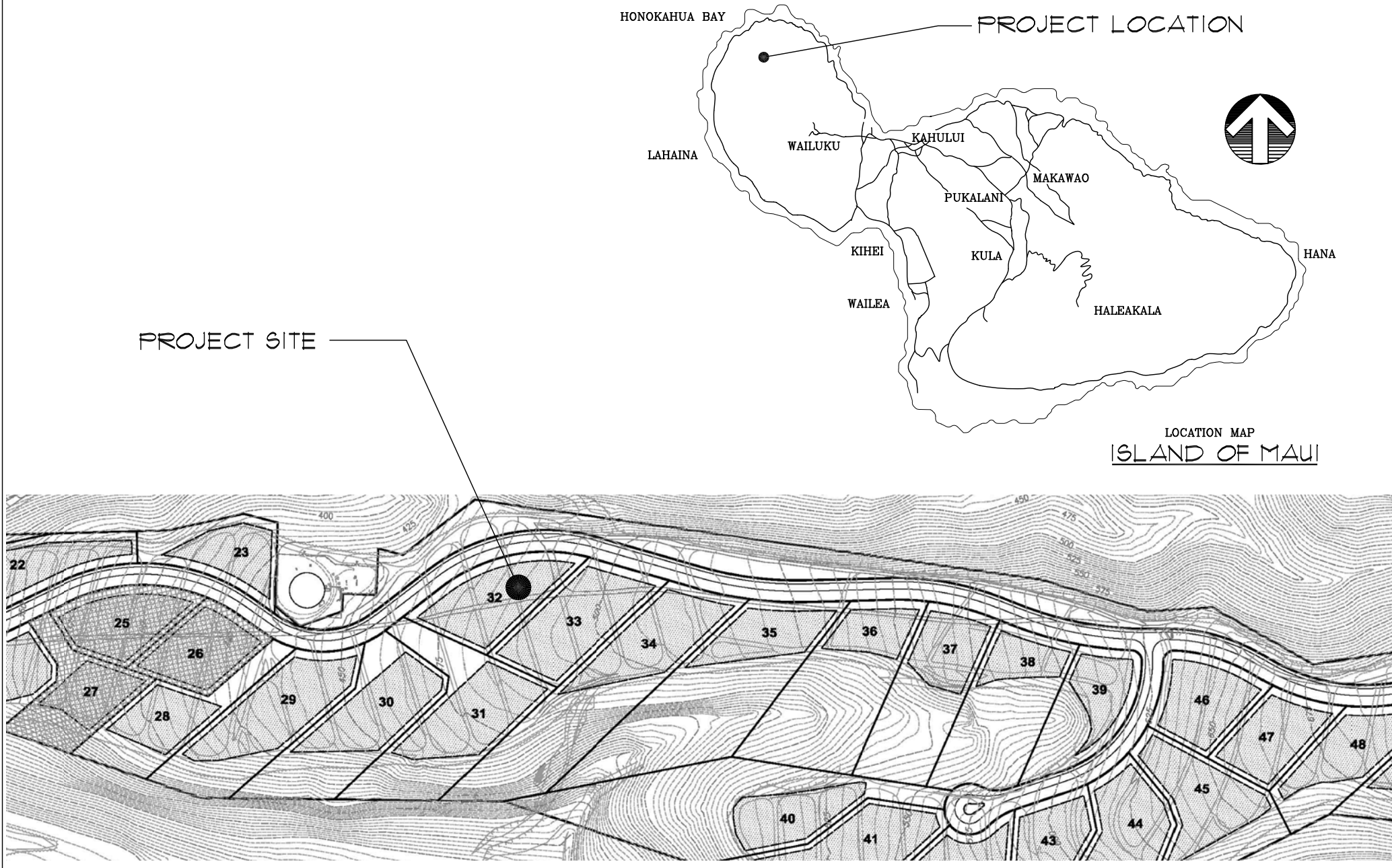
PROPOSED NEW DWELLING FOR:

EDER RESIDENCE

MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032



LOCATION AND VICINITY MAP



ENERGY CODE

COUNTY OF MAUI
MAUI COUNTY CODE, CHAPTER 16.16C ENERGY CODE
RESIDENTIAL PROVISIONS
COMPLIANCE METHOD
CHECK APPLICABLE METHOD

☒ R401.2(1) R401.3 THROUGH R404 (PRESCRIPTIVE)
☐ R401.2(2) R405, R401 THROUGH R404 LABELED MANDATORY (SIMULATED PERFORMANCE ALTERNATIVE)
☐ R401.2(3) R406 (ENERGY RATING INDEX COMPLIANCE ALTERNATIVE)
☐ R401.2(4) R401.2 (TROPICAL ZONE)
☐ R102.1 (ALTERNATIVE)

TO THE BEST OF MY KNOWLEDGE, THIS PROJECT'S DESIGN SUBSTANTIALLY CONFORMS TO THE ENERGY CODE

SIGNATURE
MARTIN V. COOPER
NAME
ARCHITECT
TITLE

10/20/2023
DATE
73504
STATE OF HAWAII
PROFESSIONAL LICENSE NUMBER

FLOOR AREA CALCULATIONS

LOT COVERAGE	SQ. FT.
LOT AREA:	(1.651 ACRES) 71917
BLDG FOOT PRINT	5,091
NET LOT AREA	(1.534 ACRES) 66,826
BUILDING FOOT PRINT:	5,091
MAIN FLOOR	SQ. FT.
MAIN FLOOR LIVING AREA:	2,551
GARAGE/ STORAGE:	105
REAR COVERED LANAI:	754
BREEZEWAY:	465
STUDY COVERED LANAI:	182
GUEST WING:	434
UPPER FLOOR	
MUSIC ROOM:	393
MUSIC ROOM LANAI:	191
TOTAL ± UNDER ROOF:	5,675

CWA
P.O. BOX 1062
PUNEH, HI. 96784
808 870 3214-OFFICE
marty.cob@gmail.com

▲

▲

▲

▲

JULY 19, 2024
DSA COMMENTS

JULY 19, 2024
CLIENT REVISIONS

MARTIN V. COOPER
LICENSED PROFESSIONAL ARCHITECT
No. 73504
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my supervision.

Signature

License expires on 04/30/2026

TITLE PAGE

PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE: SEPT. 29, 2023

SCALE: NOTED

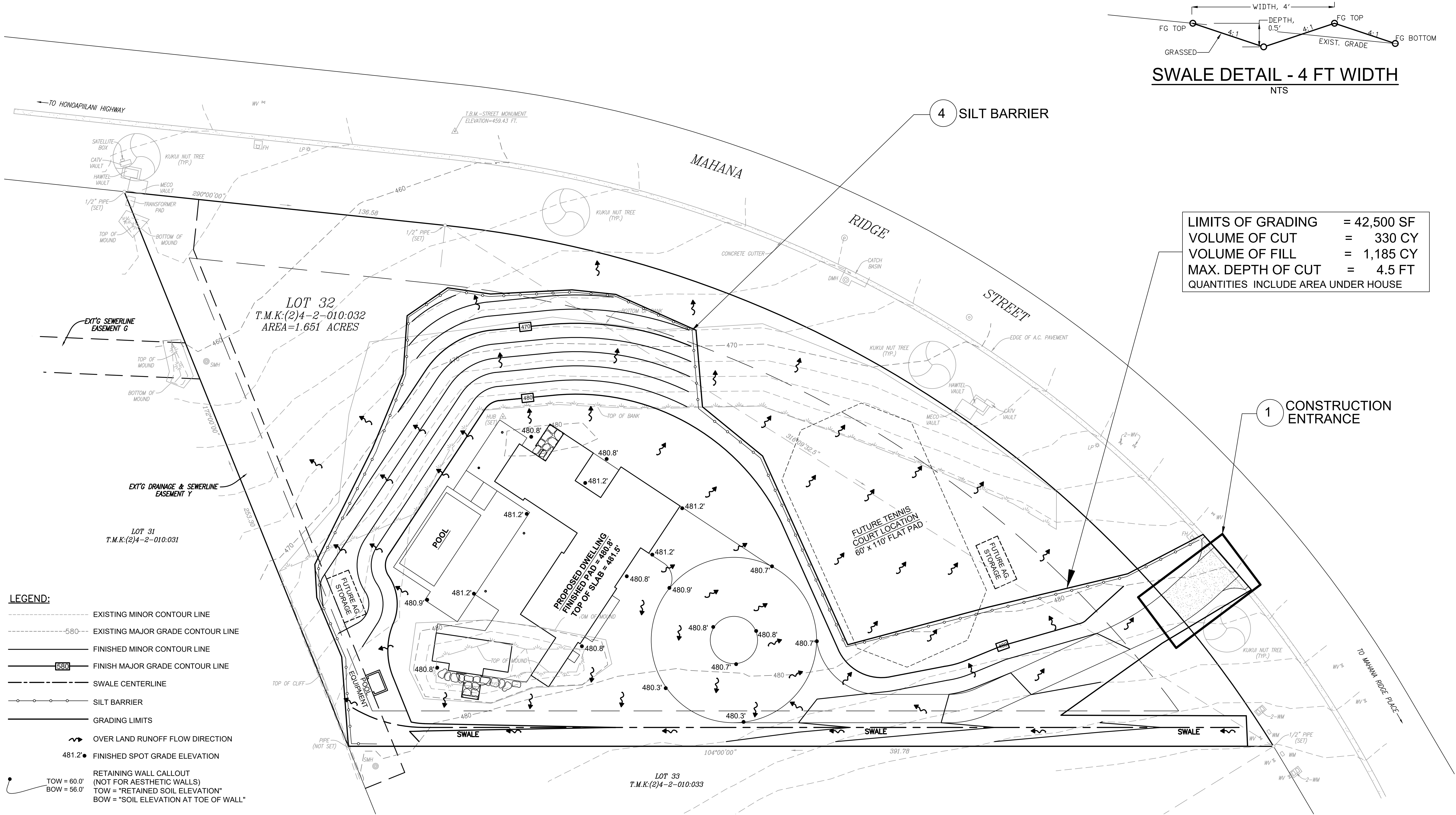
DRAWN: MVC/SV

JOB:

SHEET:

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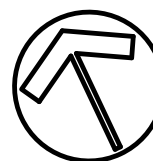
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SWALE DETAIL - 4 FT WIDTH
NTS

LIMITS OF GRADING = 42,500 SF
VOLUME OF CUT = 330 CY
VOLUME OF FILL = 1,185 CY
MAX. DEPTH OF CUT = 4.5 FT
QUANTITIES INCLUDE AREA UNDER HOUSE

- LEGEND:**
- EXISTING MINOR CONTOUR LINE
 - EXISTING MAJOR GRADE CONTOUR LINE
 - FINISHED MINOR CONTOUR LINE
 - FINISH MAJOR GRADE CONTOUR LINE
 - SWALE CENTERLINE
 - SILT BARRIER
 - GRADING LIMITS
 - OVER LAND RUNOFF FLOW DIRECTION
 - FINISHED SPOT GRADE ELEVATION
 - RETAINING WALL CALLOUT (NOT FOR AESTHETIC WALLS)
TOW = "RETAINED SOIL ELEVATION"
BOW = "SOIL ELEVATION AT TOE OF WALL"



GRADING, DRAINAGE AND EROSION CONTROL PLAN
SCALE: 1" = 20'

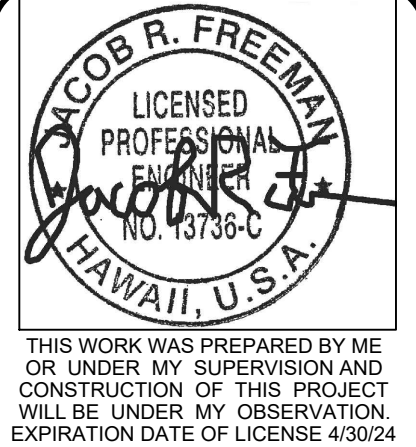
NOTE:
1. ALL GRADING AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS IN THE "GEOTECHNICAL ENGINEERING REPORT FOR LOT 32 - MAHANA ESTATES" BY ISLAND GEOTECHNICAL ENGINEERING, DATED AUGUST 16, 2023. WHERE THERE IS DISCREPANCY BETWEEN THE GENERAL NOTES ON THESE PLANS AND THE REFERENCED GEOTECHNICAL REPORT, THE REQUIREMENTS IN THE REFERENCED GEOTECHNICAL REPORT SHALL SUPERCEDE AND BE ADHERED TO.
2. GRADE (RETAINING) WALLS REQUIRE SEPARATE BUILDING PERMITS AND WILL BE DESIGNED BY OTHERS.

EROSION CONTROL AND BMP IMPLEMENTATION NOTE:
1. TIMING OF CONTROL MEASURE IMPLEMENTATION. TIMING OF CONTROL MEASURE IMPLEMENTATION SHALL BE IN ACCORDANCE WITH THE APPROVED EROSION CONTROL PLAN IF SUCH PLAN IS REQUIRED. AT A MINIMUM DISTURBED AREAS OF CONSTRUCTION SITES THAT WILL NOT BE REDISTURBED FOR TWENTY-ONE DAYS OR MORE WILL BE STABILIZED (GRASSES OR GRAVELED) BY NO LATER THAN THE FOURTEENTH DAY AFTER LAST DISTURBANCE. PER MAUI COUNTY CODE 20.08.035(G)

- EXISTING UTILITIES:**
- THE LOCATION, DEPTH AND TYPE OF THE VARIOUS EXISTING UTILITY LINE SHOWN ON THE CONSTRUCTION PLANS WERE DETERMINED ON THE BASIS OF THE BEST INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY EXACT LOCATION, DEPTH AND TYPE PRIOR TO COMMENCEMENT OF WORK.
 - CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THE EXISTING UTILITIES AS SHOWN ON THE CONSTRUCTION PLANS AND IN GROUND AND NOT PROCEED WITH ANY FURTHER WORK UNTIL WRITTEN NOTIFICATION IS RECEIVED FROM THE ENGINEER.
 - ALL EXISTING UTILITIES WHETHER OR NOT SHOWN ON PLANS, IF DAMAGED DURING CONSTRUCTION BY THE CONTRACTOR, SHALL BE REPAIRED SOLELY AT HIS EXPENSE.

- EXISTING GRADES:**
- EXISTING GRADES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE PROCEEDING WITH GRADING WORK. SHOULD ANY DISCREPANCIES BE DISCOVERED IN THE EXISTING GRADES OR DIMENSIONS GIVEN ON THE PLANS, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER BEFORE PROCEEDING FURTHER WITH ANY WORK, OTHERWISE HE WILL BE HELD RESPONSIBLE FOR ANY COST INVOLVED IN CORRECTION OF CONSTRUCTION PLACED DUE TO SUCH DISCREPANCIES.

REVISION	BY



EDER RESIDENCE
MAHANA RIDGE STREET
LOT 32 MAHANA ESTATES
LAHAINA, MAUI, HAWAII
T.M.K. (2) 4-2-010 : 032
PERMIT # B2023-01808

Revisions:	By:

GRADING & SITE PLAN

Date:	MARCH 21, 2024
Phase:	PERMIT SET
Drawn:	APS
Job:	EDER RESIDENCE
Sheet Number:	C-1

MINIMUM BMP CHECKLIST FOR SMALL PROJECTS:

1.

STABILIZED CONSTRUCTION ENTRANCE
ALL POINTS OF EGRESS AND INGRESS TO A SITE SHALL BE PROTECTED WITH A STABILIZED CONSTRUCTION ENTRANCE. 20' x 20' MIN.
2.

STOCKPILES
STOCKPILES SHALL NOT BE LOCATED IN DRAINAGE WAYS OR OTHER AREAS OF CONCENTRATED FLOWS. DURING PERIODS OF WET WEATHER, SUCH AS THE RAINY SEASON, STOCKPILES SHALL BE STABILIZED. STOCKPILES COVERED IN PLASTIC WHEN NOT IN USE. SEDIMENT TRAPPING DEVICES SUCH AS FENCES, TRAPS, BASINS OR BARRIERS SHALL BE USED AROUND THE BASE OF ALL STOCKPILES.
3.

DUST CONTROL
DUST CONTROL SHOULD BE APPLIED TO REDUCE DUST EMISSIONS. THE CONTRACTOR SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE FROM DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS CONTAINED IN HAWAII ADMINISTRATIVE RULES: CHAPTER 11-60, "AIR POLLUTION CONTROL".
4.

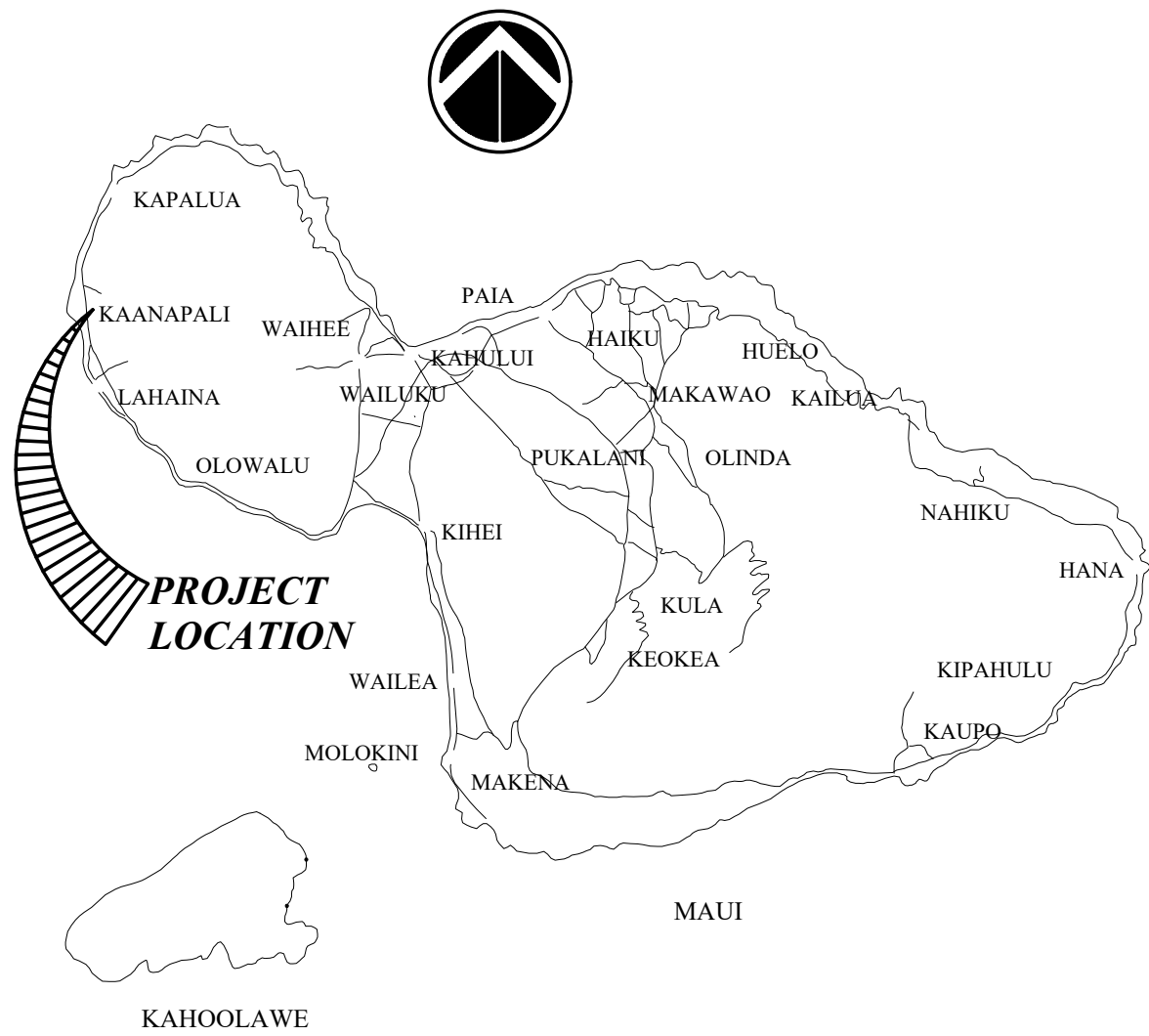
SEDIMENT BARRIERS OR TRAPS
SEDIMENT TRAPPING DEVICES SUCH AS FENCES, TRAP BASINS OR BARRIERS SHALL BE USED DOWN SLOPE OF ALL DISTURBED AREAS AND AROUND THE BASE OF ALL MATERIAL STOCKPILES. STOCKPILES TO BE COVERED WITH PLASTIC.
5.

SLOPE PROTECTION
SURFACE FLOW FROM ABOVE AN EXPOSED SLOPE SHALL NOT BE ALLOWED TO FLOW OVER THE SLOPE WITHOUT PROTECTION. SLOPE PROTECTION SHALL BE USED ON AREAS WITH SLOPES GREATER THAN 50% AND ON AREAS OF MODERATE SLOPES THAT ARE PRONE TO EROSION.
6.

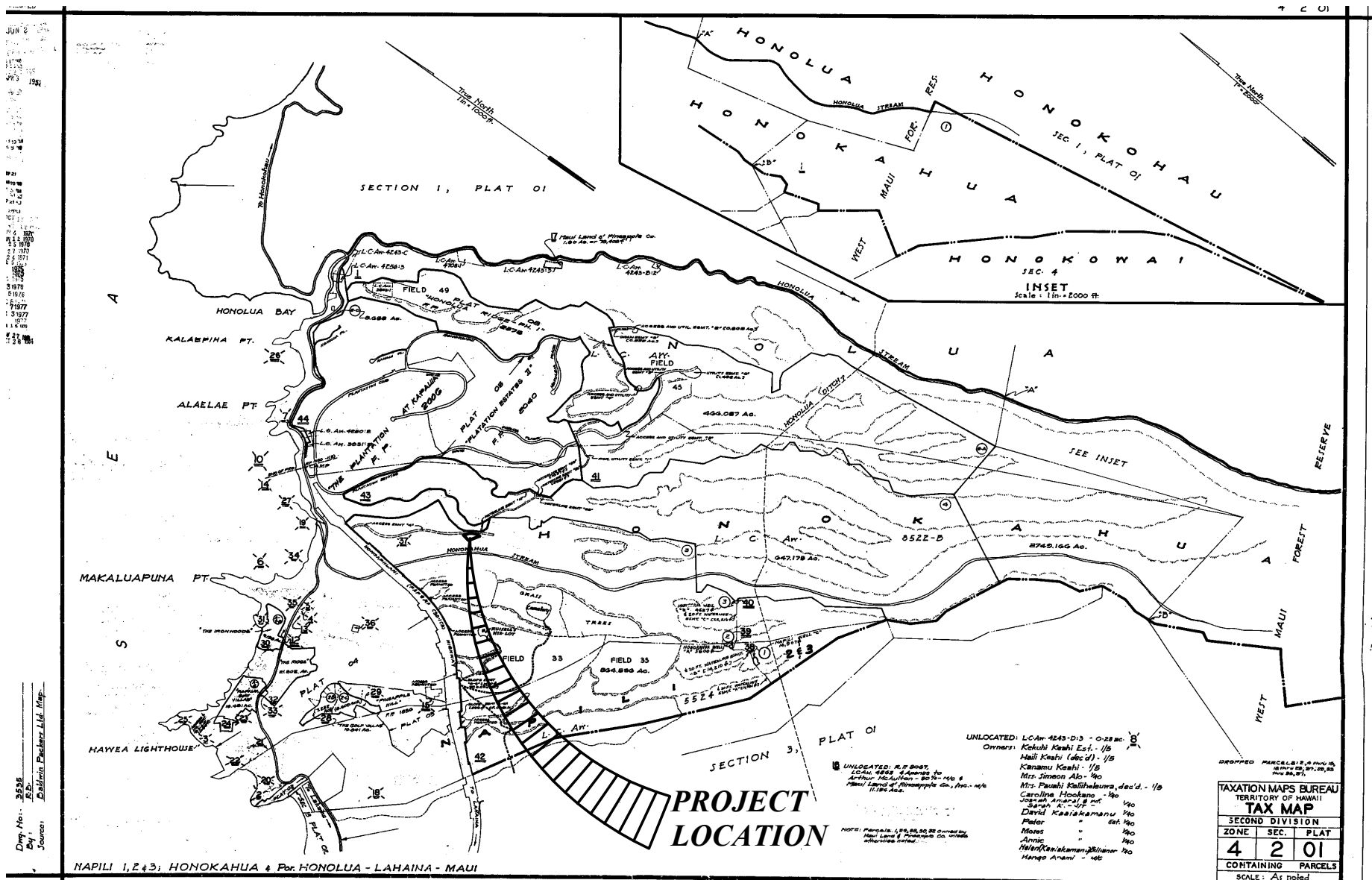
INLET PROTECTION
ALL STORM DRAIN INLETS ON SITE, AND THOSE OFFSITE THAT MAY RECEIVE RUNOFF FROM THE SITE SHALL USE AN INLET PROTECTION DEVICE.
7.

TEMPORARY STABILIZATION
IS NOT REQUIRED WHEN THE DISTURBED AREA WILL BE WORKED WITHIN A 14 DAY PERIOD. STABILIZATION IS REQUIRED FOR DISTURBED AREAS AT FINAL GRADE AND FOR THOSE AREAS THAT WILL NOT BE WORKED WITHIN A 14 DAY PERIOD.
8.

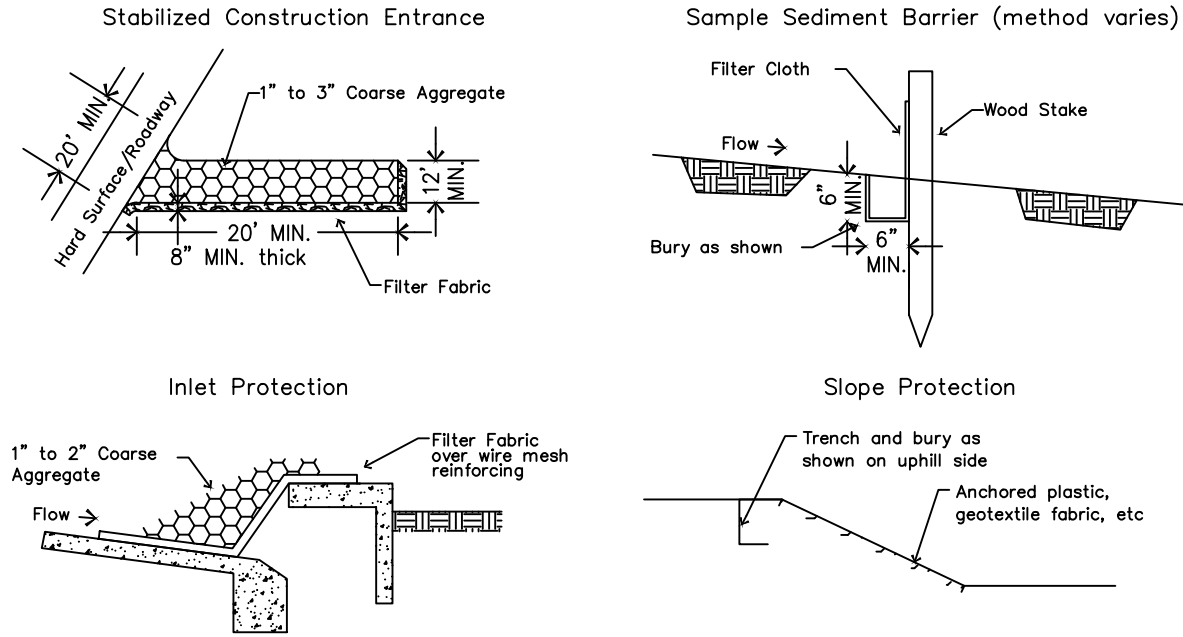
PERMANENT STABILIZATION
ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED PRIOR TO REMOVING EROSION AND SEDIMENT MEASURES. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT AND AREAS OF DISTURBED SOIL WHICH RESULT FROM THE REMOVAL OF THE TEMPORARY MEASURES SHALL BE IMMEDIATELY PERMANENTLY STABILIZED. AREA TO BE PERMANENTLY SEEDED/MULCHED WITHIN 14 DAYS OF FINAL GRADE EXCEPT HOUSE AREA WHICH WILL BE FORMED AND SLABBED WITHIN 14 DAYS.



LOCATION MAP
NTS



VICINITY MAP
NTS



ADDITIONAL BMPs:

THE FOLLOWING MEASURES SHALL BE TAKEN DURING CONSTRUCTION:

1. PREVENT CEMENT PRODUCTS, OIL, FUEL, AND OTHER TOXIC SUBSTANCES FROM CONTAMINATING SITE.
2. AVOID FERTILIZERS AND BIOCIDES, OR APPLY ONLY DURING PERIODS OF LOW RAINFALL TO MINIMIZE CHEMICAL RUNOFF.
3. COVER OPEN VEHICLES CARRYING SOILS, GRAVEL, OR OTHER PARTICULATE MATTER.
4. CONSTRUCT DRAINAGE CONTROL FEATURES, SUCH AS BERMS.
5. KEEP RUN-OFF ON-SITE.
6. RETAIN GROUND COVER UNTIL THE LAST POSSIBLE DATE.
7. STABILIZE DENUDED AREAS BY SODDING OR PLANTING AS SOON AS POSSIBLE. REPLANTING SHOULD INCLUDE SOIL AMENDMENTS, FERTILIZERS AND TEMPORARY IRRIGATION. USE HIGH SEEDING RATES TO ENSURE RAPID STAND ESTABLISHMENT.

EROSION CONTROL PLAN

THE FOLLOWING MEASURE WILL BE TAKEN TO CONTROL EROSION DURING THE CONSTRUCTION PERIOD.

1. MINIMIZE CONSTRUCTION TIME.
2. RETAIN EXISTING GROUND COVER AS LONG AS POSSIBLE.
3. EARLY INSTALLATION OF EROSION CONTROL MEASURES.
4. USE TEMPORARY AREA SPRINKLERS IN NON-ACTIVE AREAS WHEN GROUND COVER IS REMOVED.
5. PROVIDE WATER FOR IMMEDIATE SPRINKLING, AS NEEDED, IN ACTIVE AREAS.
6. USE TEMPORARY EROSION CONTROL MEASURES WHERE NEEDED.
7. THOROUGHLY WATER GRADED AREAS AT THE END OF EACH WORK DAY AND WEEKENDS.
8. PROVIDE TEMPORARY IRRIGATION SYSTEM, AND GRASS ALL CUT AND FILL SLOPES WITHIN 30 DAYS AFTER GRADING WORK IS COMPLETED.

EROSION CONTROL

THE FOLLOWING MEASURES SHALL BE TAKEN TO CONTROL EROSION DURING THE SITE DEVELOPMENT PERIOD:

1. MINIMIZE TIME OF CONSTRUCTION.
2. RETAIN EXISTING GROUND COVER UNTIL LATEST DATE TO COMPLETE CONSTRUCTION.
3. EARLY CONSTRUCTION OF DRAINAGE CONTROL FEATURES.
4. USE TEMPORARY AREA SPRINKLERS IN NON-ACTIVE CONSTRUCTION AREAS WHEN GROUND COVER IS REMOVED.
5. STATION WATER TRUCK ON SITE DURING CONSTRUCTION PERIOD TO PROVIDE FOR IMMEDIATE SPRINKLING, AS NEEDED. IN ACTIVE CONSTRUCTION ZONES (WEEKENDS AND HOLIDAYS INCLUDED.).
6. USE TEMPORARY BERMS AND CUT-OFF DITCHES, WHERE NEEDED, FOR CONTROL OF EROSION.
7. GRADED AREAS SHALL BE THOROUGHLY WATERED AFTER CONSTRUCTION ACTIVITY HAS CEASED FOR THE DAY AND ON WEEKENDS.
8. ALL CUT AND FILL SLOPES SHALL BE SODDED OR PLANTED IMMEDIATELY AFTER GRADING WORK HAS BEEN COMPLETED.

EARTHWORK:

DISTANCE FROM TIP OF CUT OR BOTTOM OF FILL TO PROPERTY LINES.

HEIGHT OF CUT OR FILL	DISTANCE FROM PROPERTY LINE
0' TO 2'	
MORE THAN 2' TO 4'	2'
MORE THAN 4' TO 6'	3'
MORE THAN 6' TO 10'	4'
MORE THAN 10' TO 15'	5'
MORE THAN 15'	8'

ENVIRONMENTAL HEALTH CONSTRUCTION NOTES

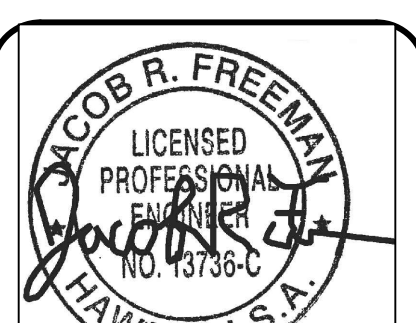
1. THE CONTRACTOR SHALL REMOVE ALL SILT AND DEBRIS RESULTING FROM HIS WORK AND DEPOSITED IN DRAINAGE FACILITIES, ROADWAYS, AND OTHER AREAS. THE COSTS INCURRED FOR ANY NECESSARY REMEDIAL ACTION BY THE STATE DEPARTMENT OF HEALTH SHALL BE PAYABLE BY THE CONTRACTOR.
2. THE CONTRACTOR, AT HIS EXPENSE, SHALL KEEP THE PROJECT AREA AND SURROUNDING AREA FREE OF DUST NUISANCE. THE WORK SHALL BE IN CONFORMANCE WITH THE AIR POLLUTION CONTROL STANDARDS AND REGULATIONS OF THE STATE DEPARTMENT OF HEALTH.
3. ALL GRADING OPERATIONS SHALL BE PERFORMED IN CONFORMANCE WITH THE APPLICABLE PROVISIONS OF THE WATER POLLUTION CONTROL AND WATER QUALITY STANDARDS CONTAINED IN THE PUBLIC HEALTH REGULATIONS, STATE DEPARTMENT OF HEALTH, ON WATER POLLUTION CONTROL AND WATER QUALITY STANDARDS, AND THE COUNTY GRADING ORDINANCE.
4. ALL SLOPES AND EXPOSED AREAS SHALL BE PLANTED OR PAVED IMMEDIATELY AFTER THE GRADING WORK HAS BEEN COMPLETED.
5. CONSTRUCTION DEBRIS AND WASTES SHALL BE DEPOSITED AT AN APPROPRIATE SITE. THE CONTRACTOR SHALL INFORM THE ENGINEER OF THE LOCATION OF DISPOSAL SITES. THE DISPOSAL SITE MUST ALSO FULFILL REQUIREMENTS OF THE GRADING ORDINANCES.
6. THE CONTRACTOR SHALL PROVIDE CONTINUOUS EROSION CONTROL MEASURES SHOWN IN THE APPROVED EROSION CONTROL PLAN AND OUTLINED IN THE REPORT ON DRAINAGE AND EROSION CONTROL. PROVIDE TEMPORARY DUST CONTROL BY SPRINKLING WITH WATER WAGONS OR OTHER SUITABLE MEANS SEVEN (7) DAYS A WEEK. GRASS EXPOSED AREAS IMMEDIATELY AFTER GRADING IS COMPLETED.
7. THE CONTRACTOR SHALL NOT DEMOLISH OR CLEAR ANY STRUCTURE, SITE OR VACANT LOT WITHOUT FIRST ASCERTAINING THE PRESENCE OR ABSENCE OF RODENTS WHICH MAY ENDANGER THE PUBLIC HEALTH BY DISPERSAL FROM SUCH PREMISES. SHOULD SUCH INSPECTION REVEAL THE PRESENCE OF SUCH RODENTS, THE CONTRACTOR SHALL ERADICATE SUCH RODENTS BEFORE DEMOLISHING OR CLEARING SAID STRUCTURE, SITE OR VACANT LOT.

NOTE:

1. ALL GRADING AND CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS IN THE "GEOTECHNICAL ENGINEERING REPORT FOR LOT 32 - MAHANA ESTATES" BY ISLAND GEOTECHNICAL ENGINEERING, DATED AUGUST 16, 2023. WHERE THERE IS DISCREPANCY BETWEEN THE GENERAL NOTES ON THESE PLANS AND THE REFERENCED GEOTECHNICAL REPORT, THE REQUIREMENTS IN THE REFERENCED GEOTECHNICAL REPORT SHALL SUPERCEDE AND BE ADHERED TO.

2. GRADE (RETAINING) WALLS REQUIRE SEPARATE BUILDING PERMITS AND WILL BE DESIGNED BY OTHERS.

REVISION	BY



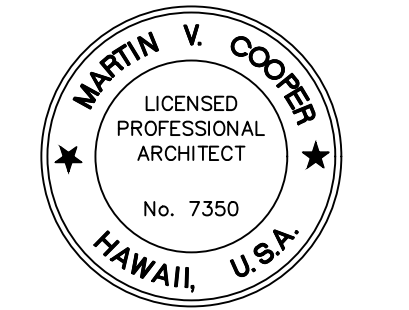
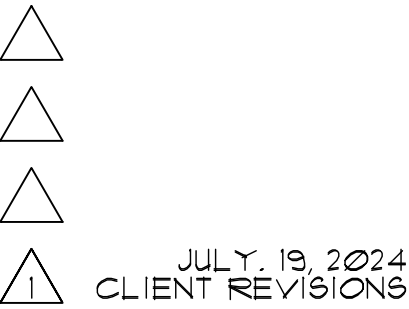
THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY OBSERVATION. EXPIRATION DATE OF LICENSE 4/30/24

EDER RESIDENCE
MAHANA RIDGE STREET
LOT 32 - MAHANA ESTATES
LAHAINA, MAUI, HAWAII
T.M.K. (2) 4-2-010 : 032
PERMIT # B2023-01808

Revisions:	By:

**CONSTRUCTION NOTES
& DETAILS**

Date:	MARCH 21, 2024
Phase:	PERMIT SET
Drawn:	APS
Job:	EDER RESIDENCE
Sheet Number:	



This work was prepared by me or under my supervision and construction of this project will be under my supervision.
Signature
License expires on 04/30/2026

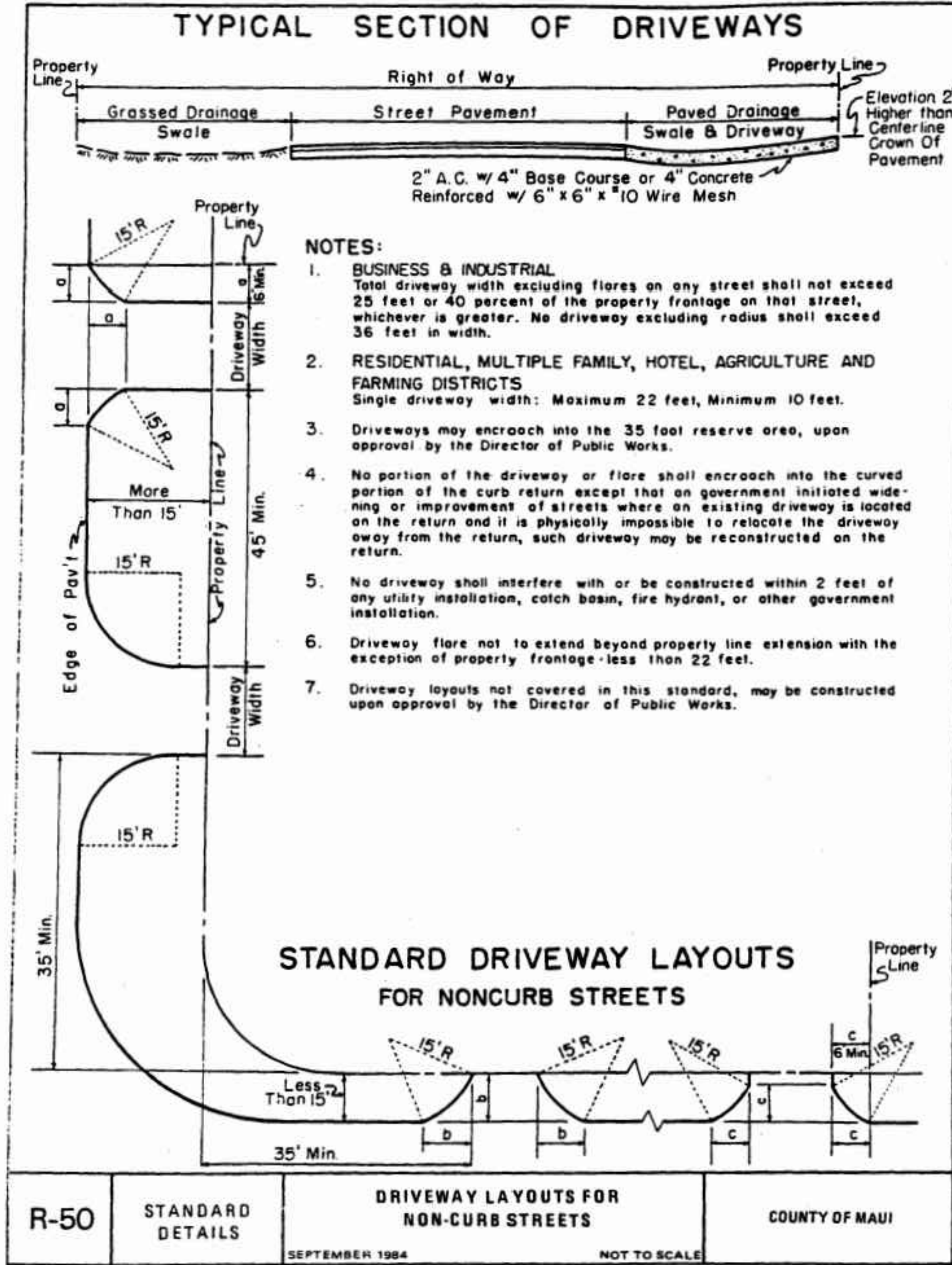
R-50 STANDARD DRIVEWAY LAYOUT

PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

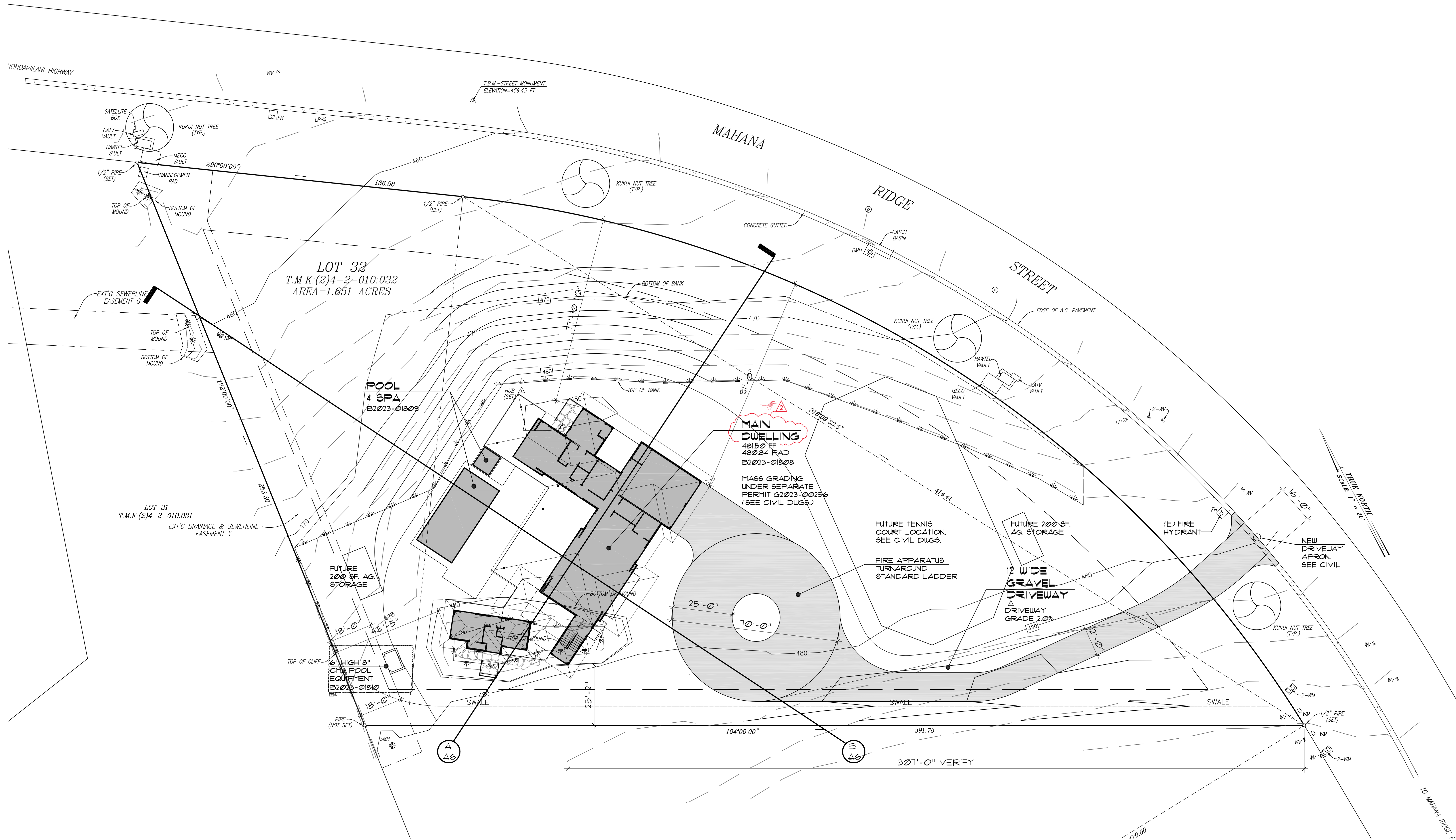
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SCALE: NOTED
DRAWN: MVC/SV
JOB:
SHEET:

C3

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1 R-50 STANDARD DRIVEWAY LAYOUT
COUNTY OF MAUI - FOR NONCURB STREET



SITE PLAN

NOTE:
CONTRACTOR SHALL PROVIDE SUFFICIENT DRAINAGE AT ALL PROPERTY AND AT ALL THE SWALE LOCATIONS SO AS TO ENSURE PROPER DRAINAGE OF THE PARCEL TO THE STREET. CONTRACTOR SHALL ALSO INSURE THAT THERE IS NO SHEET FLOW OR POINT DRAINAGE FROM THE PARCEL ONTO ADJACENT LOT

SCALE: 1"=20'-0"

CWA
P.O. BOX 1062 808 870 3714 OFFICE
PUNEH, HI. 96784 nartycdb@gmail.com

△	JULY 19, 2024
2	DSA COMMENTS
1	JULY 19, 2024
	CLIENT REVISIONS

MARTIN V. COOPER
LICENSED PROFESSIONAL ARCHITECT
No. 7350
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my supervision.

Signature
License expires on 04/30/2026

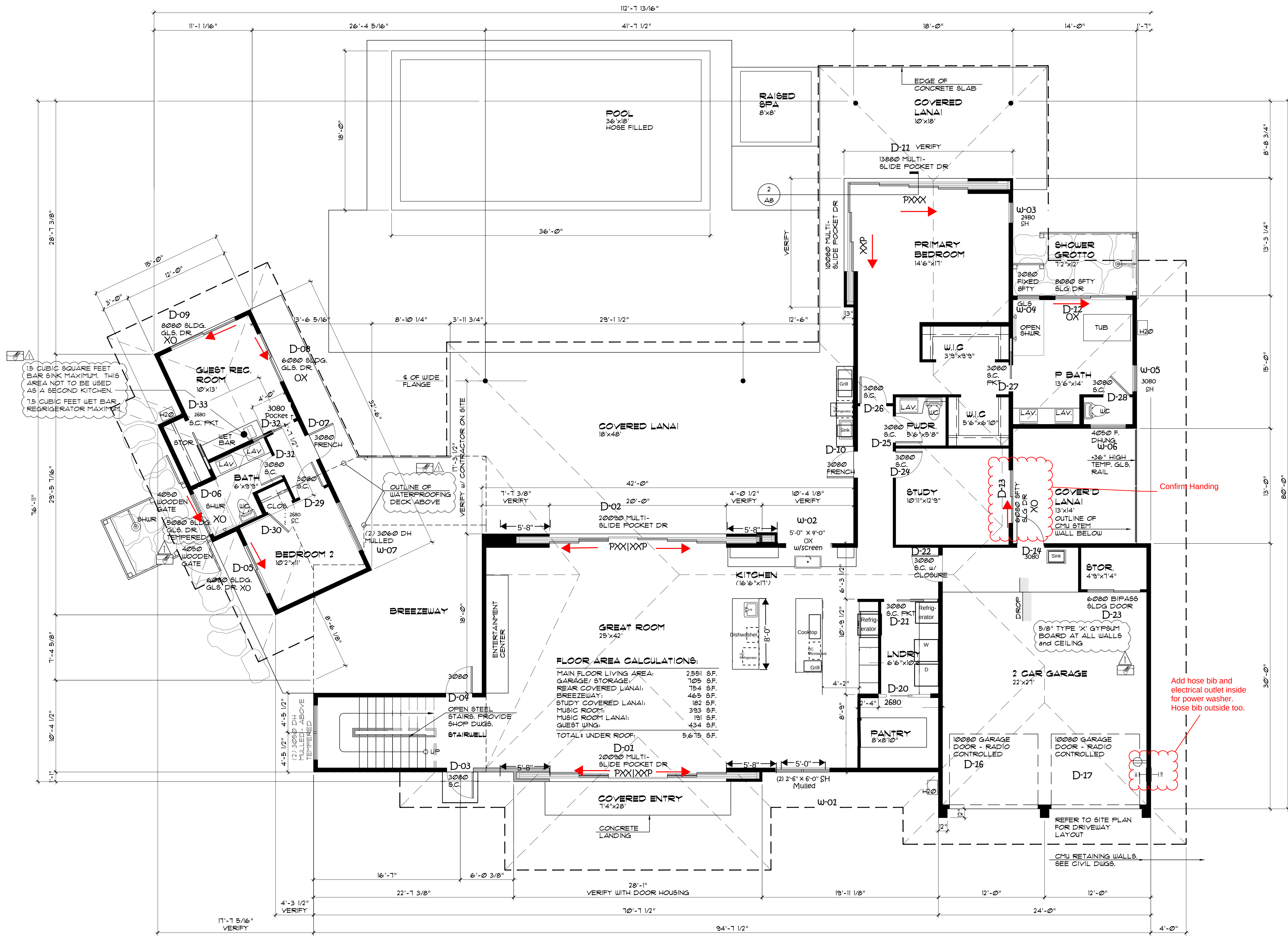
SITE PLAN

PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE:	SEPT. 29, 2023
SCALE:	NOTED
DRAWN:	MVC/SV
JOB:	
SHEET:	

A1

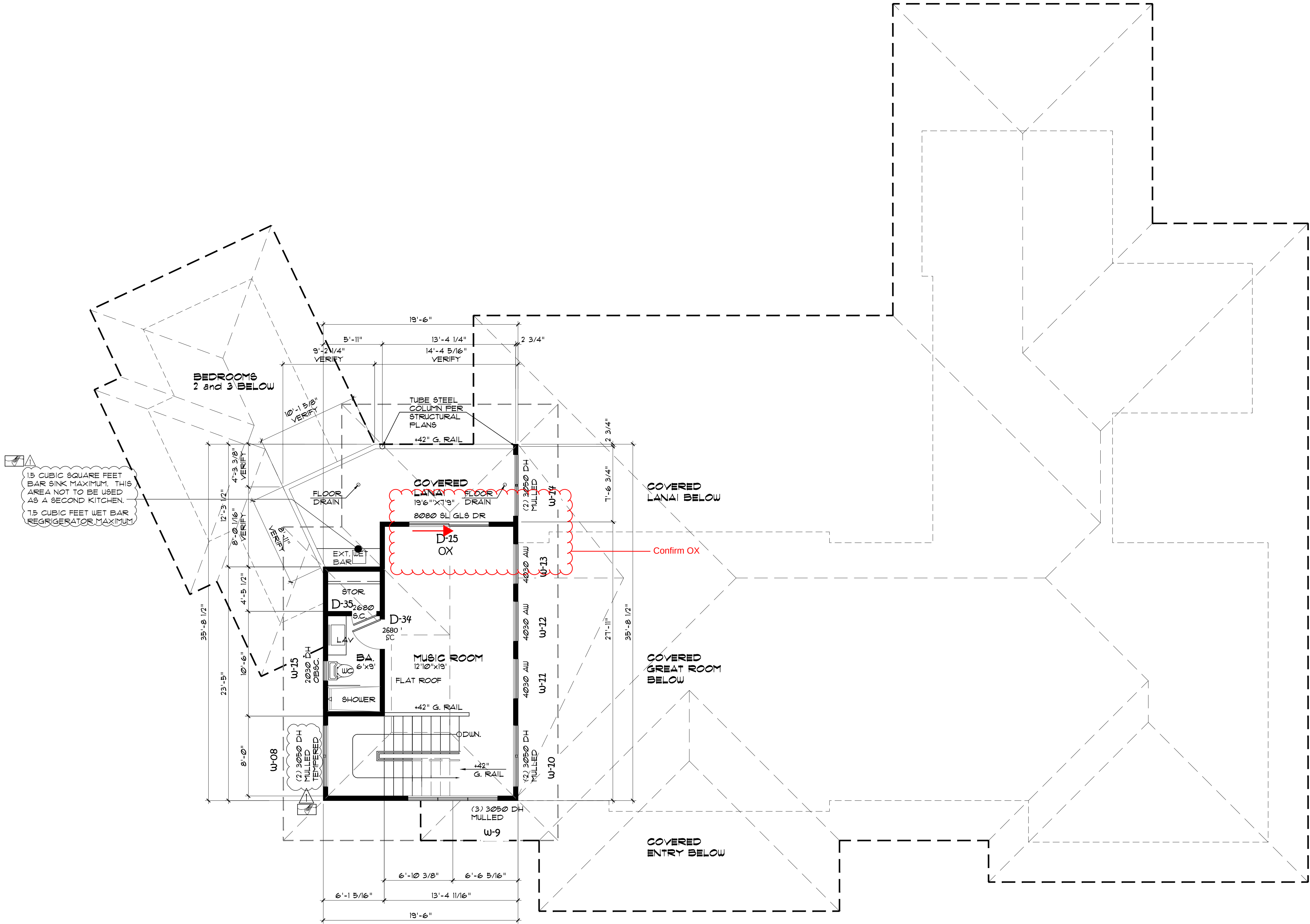
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MAIN FLOOR PLAN

SCALE: 3/16"=1'-0"

[illegible]



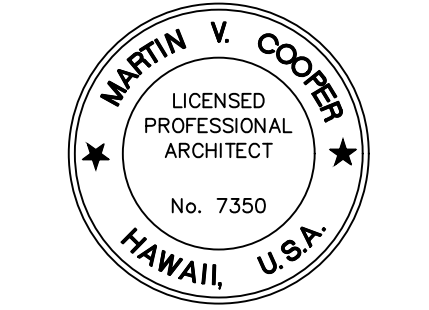
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MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE: SEPT. 29, 2023
SCALE: NOTED
DRAWN: MVC/SV
JOB:
SHEET:

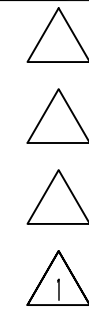
A3

FLOOR PLAN

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or under my supervision and
construction of this project
will be under my observation.
Signature:
License expires on 04/30/2026

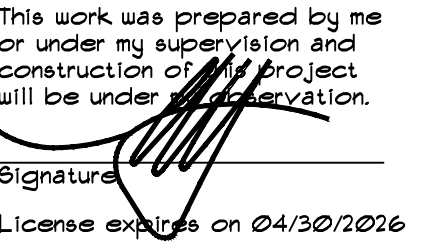
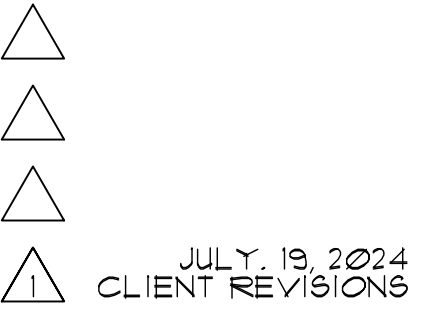


JULY 19, 2024
CLIENT REVISIONS



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P.O. BOX 1061 808 810 3114 OFFICE
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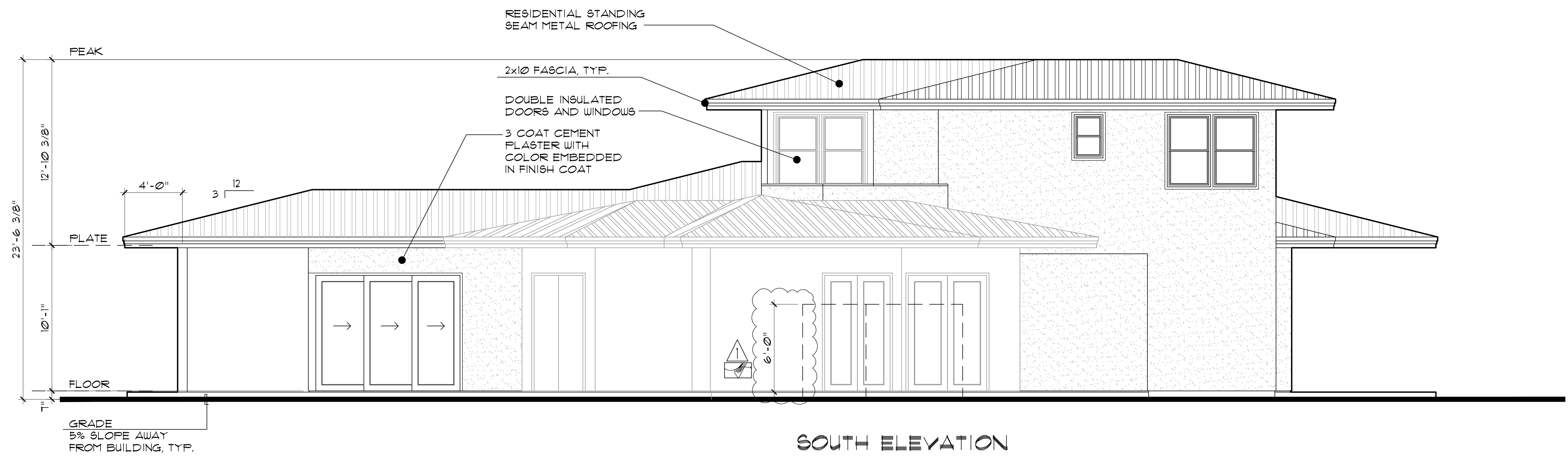
PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE:	SEPT. 29, 2023
SCALE:	NOTED
RAWN:	MVC/SV
DOB:	
SHEET:	

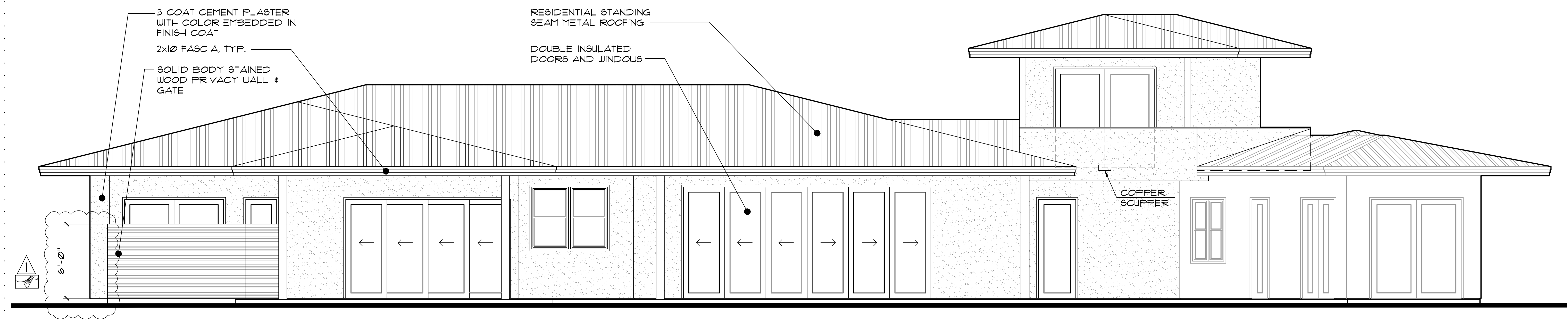
A4



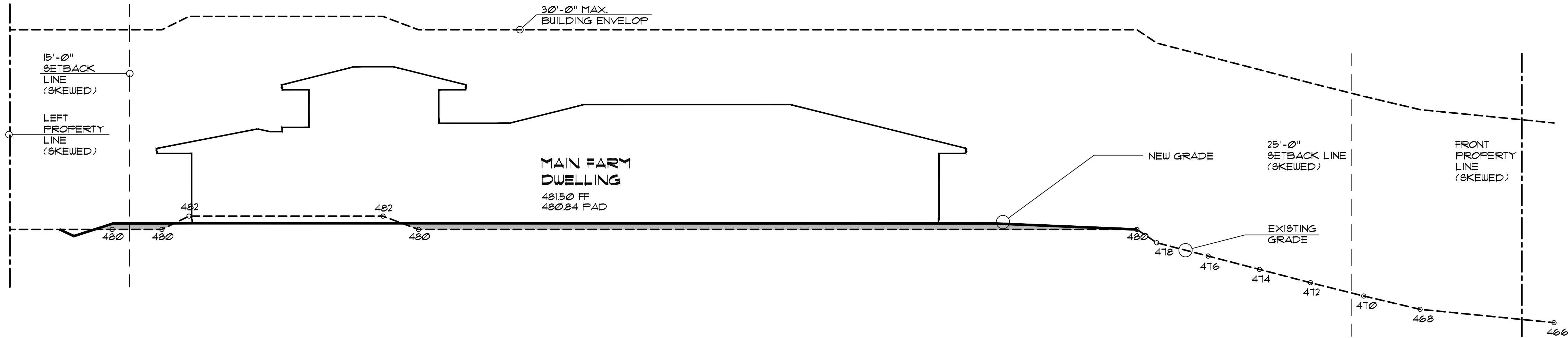
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SOUTH ELEVATION

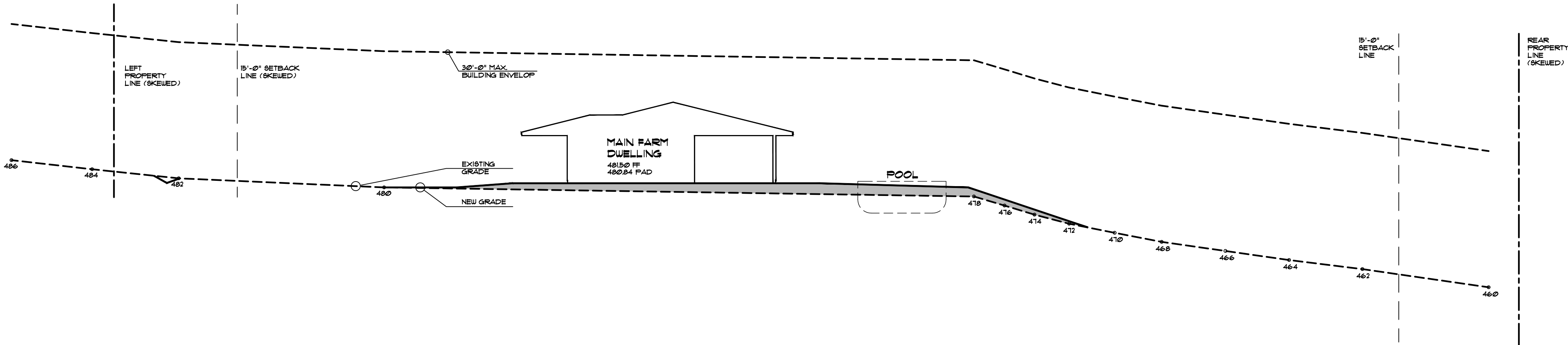


WEST ELEVATION



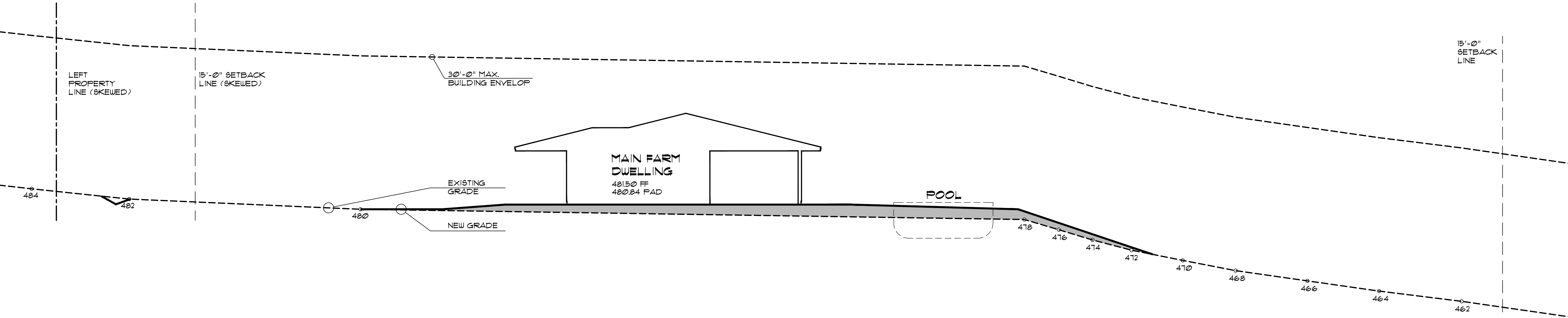
A - SITE CROSS SECTIONS

SCALE: 1"=10'-0"



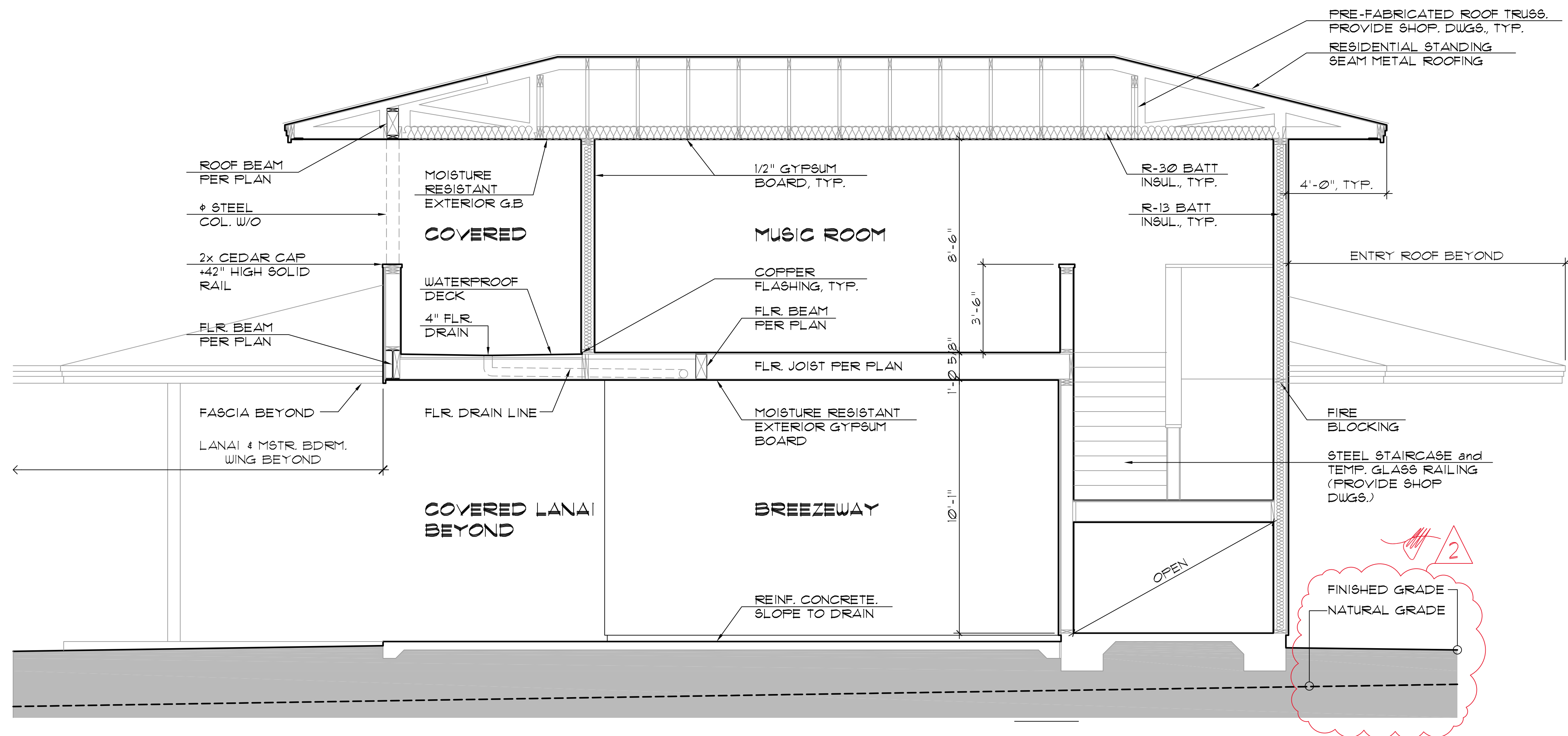
B - SITE CROSS SECTIONS
(OVERALL)

SCALE: 1"=10'-0"



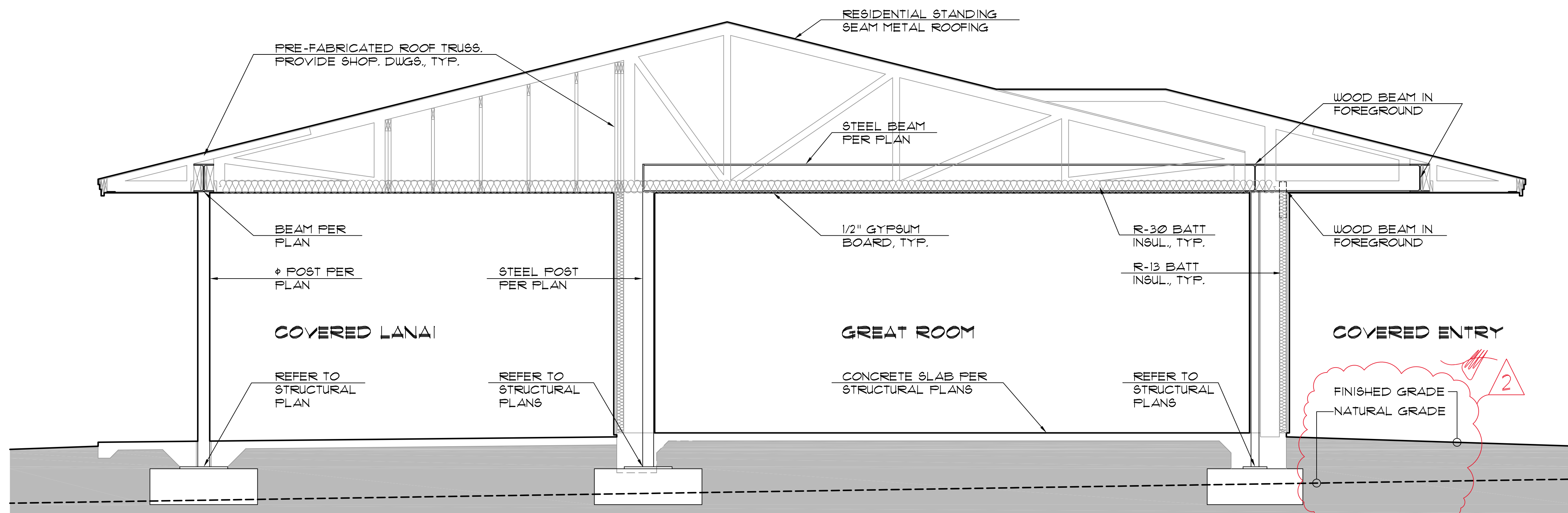
B - SITE CROSS SECTIONS
(PARTIAL)

SCALE: 1/16"=1'-0"



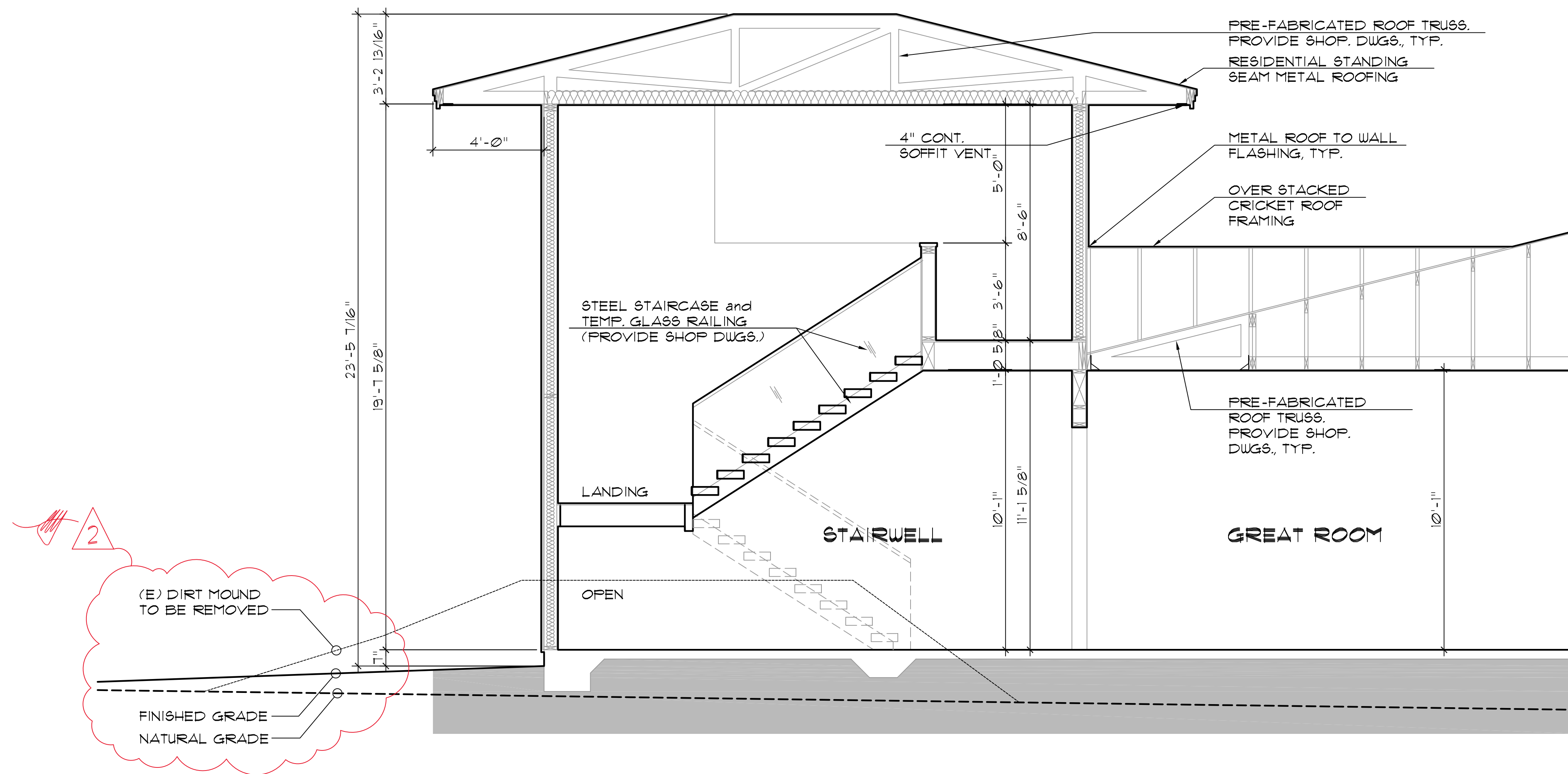
1 BUILDING CROSS SECTIONS

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



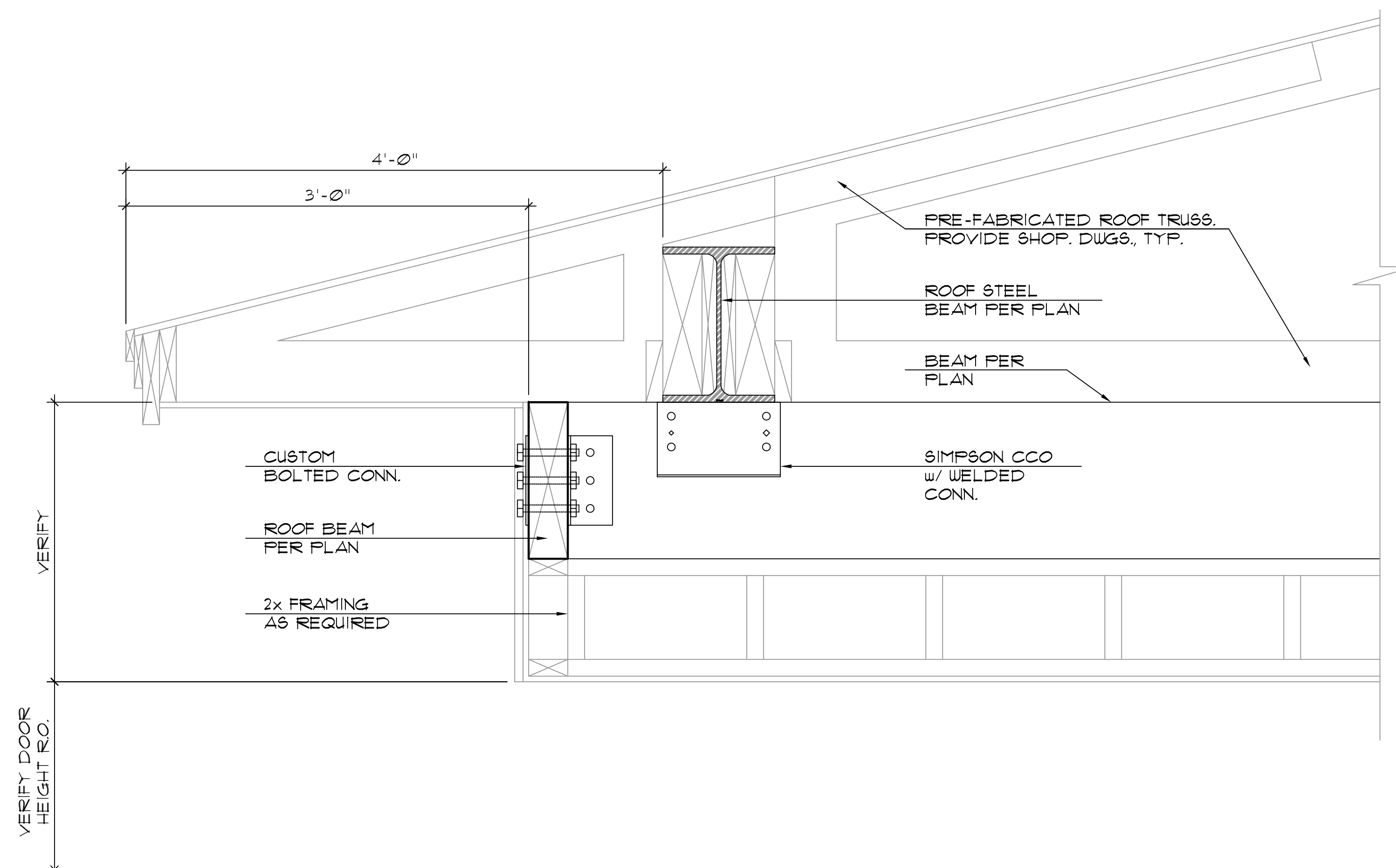
2 BUILDING CROSS SECTIONS

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



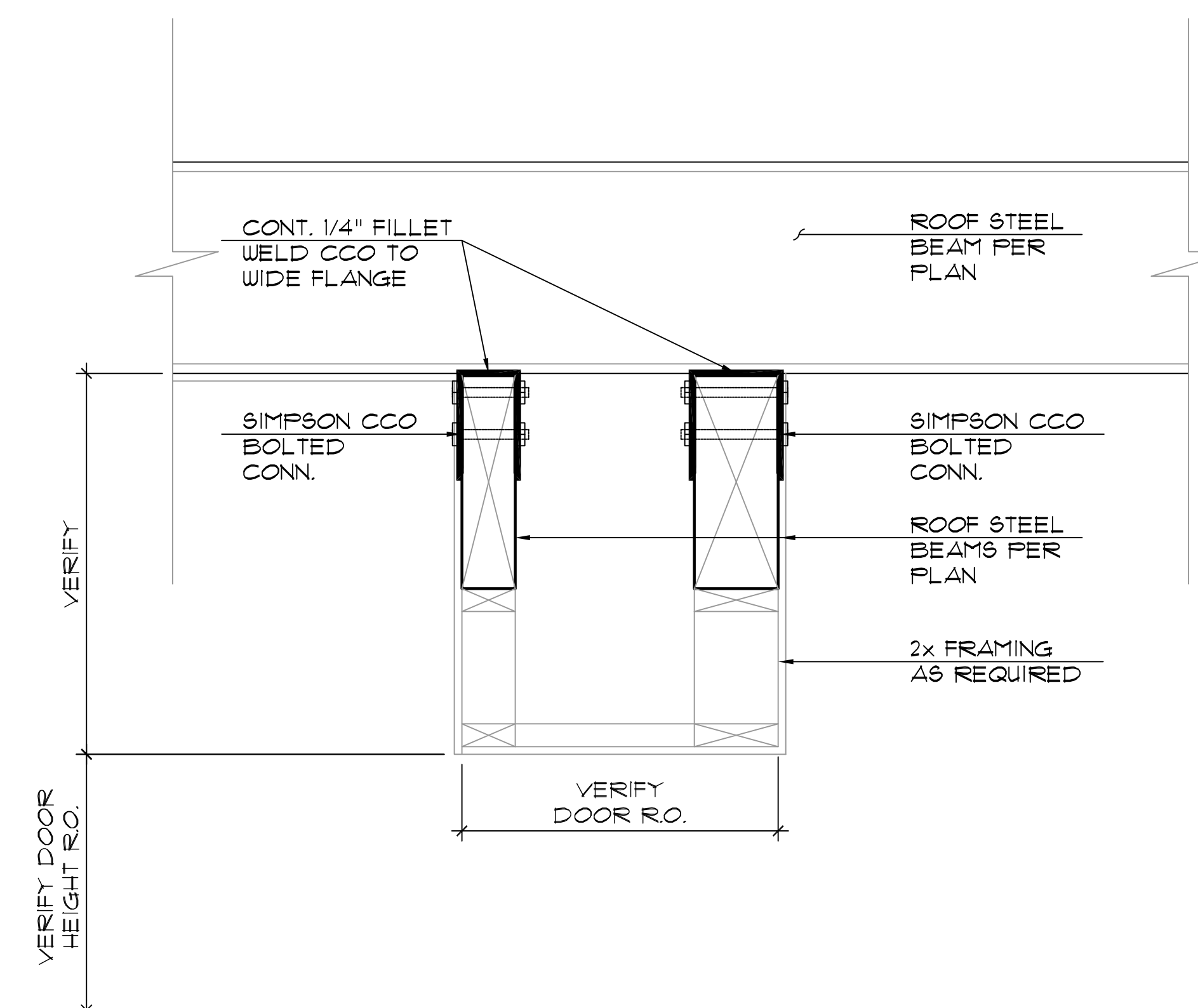
1 BUILDING CROSS SECTIONS

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



2 BUILDING CROSS SECTIONS

SCALE: 1-1/2"=1'-0"



PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE:	SEPT. 29, 2023
SCALE:	NOTED
DRAWN:	MVC/SV
JOB:	
SHEET:	

A8

DESIGN CRITERIA:

1.	PRE-ENGINEERED ROOF TRUSSES SHALL BE DESIGNED FOR ROOF TOP EQUIPMENT LOADS, IF ANY, WIND LOAD AS PER JURISDICTION AND STANDARD BUILDING CODE AND THE GRAVITY LOADS LISTED BELOW (UNLESS NOTED OTHERWISE)	DEAD LOAD, PSF	LIVE LOAD, PSF
	1ST FLOOR	12	42
	2ND FLOOR	12	42
	DECKS + STAIRS	12	63
	ROOF	10	26
2.	LIVE LOADS		
	ROOF (FLAT)		20 PSF
	ROOF (SLOPING)		16 PSF
	FLOOR		42 PSF
	STAIRS		100 PSF
3.	WIND	2018 IBC/IRC WIND VELOCITY 120 MPH EXPOSURE C (CATEGORY 2)	
4.	EARTHQUAKE ZONE	K-133 ZONE 2	
5.	ALLOWABLE SOILS BEARING PRESSURE (ASSUME AT 2'-0")		

GENERAL NOTES:

1. GENERAL

- A. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE INTERNATIONAL BUILDING CODE, THE 2018 IBC/IRC, AS AMENDED BY THE COUNTY OF MAUI, SHALL CONTROL ALL CONDITION. ANY CONFLICT WITH THE DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. THE CONTRACTOR SHALL NOTIFY ARCHITECT NOT LESS THAN TEN (10) WORKING DAYS PRIOR TO THE NEED FOR FIELD OBSERVATION VISITS.
- B. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS AND SHALL REPORT ANY DISCREPANCIES IN WRITING TO THE ARCHITECT BEFORE COMMENCING WORK.
- C. FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL FOR ALL SIMILAR CONDITIONS. MODIFY TYPICAL DETAILS AS DIRECTED BY THE ARCHITECT TO MEET SPECIAL CONDITIONS.
- D. CONTRACTOR SHALL TAKE ALL STEPS NECESSARY TO INSURE THE PROPER ALIGNMENT OF THE STRUCTURE.
- E. IT IS THE INTENT OF THE ARCHITECT THAT THIS WORK BE IN CONFORMANCE WITH ALL REQUIREMENTS OF THE BUILDING AUTHORITIES HAVING JURISDICTION OVER THIS TYPE OF CONSTRUCTIONS AND OCCUPANCY. ALL CONTRACTORS SHALL DO THEIR WORK IN CONFORMANCE WITH ALL APPLICABLE CODES AND REGULATIONS.
- F. CONTRACTOR SHALL SUPPLY, LOCATE AND BUILD INTO THE WORK ALL INSERTS, ANCHORS, ANGLES, PLATES, SLEEVES, HANGERS, SLAB DEPRESSIONS AND PITCHES AS MAY BE REQUIRED TO ATTACH AND ACCOMMODATE OTHER WORK.
- G. THESE DOCUMENTS, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE ARCHITECT AND MAY NOT BE USED OR REPRODUCED WITH EXPRESSED WRITTEN CONSENT OF THE ARCHITECT.
- H. ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE IN THE WORK EXCEPT WHERE A DIFFERENT DETAILS IS SHOWN.
- I. ALL OMISSIONS OR CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE WORKING DRAWING AND/OR THE SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH ANY WORK INVOLVED.
- J. ANY OBSERVATION VISITS TO THE SITE BY ARCHITECT'S FIELD REPRESENTATIVES SHALL NOT BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION SUCH REVIEW BY ARCHITECT IS ONLY FOR STRUCTURAL INTEGRITY AND ENGINEER/ARCHITECT IS NOT AND WILL NOT BE RESPONSIBLE FOR ANY WATER INFILTRATION, CAULKING, FLASHING, ELECTRICAL, MECHANICAL, PLUMBING OR OTHER DETAILS NOT RELATED TO STRUCTURAL INTEGRITY OF THE PROJECT.
- K. SPECIAL INSPECTIONS ARE THE OWNER'S RESPONSIBILITY. THE ARCHITECT WILL WORK WITH THE OWNER'S SEPARATELY CONTRACTED SPECIAL INSPECTOR.
- L. IF SUBSURFACE SOIL INFORMATION IS NOT AVAILABLE FOUNDATIONS ARE DESIGNED FOR A 2000 PSF SOIL BEARING CAPACITY. CONTRACTOR SHALL REPORT ANY DIFFERING CONDITIONS TO THE ARCHITECT PRIOR TO COMMENCING WORK.
- M. THE OWNER WILL PROVIDE CONTRACTOR WITH A SOIL'S INVESTIGATION REPORT AND ANALYSIS. ALL REQUIREMENTS FOR THE SITE PREPARATION AND SOIL COMPACTION SPECIFIED IN THE SOILS REPORT SHALL BE FOLLOWED UNLESS ADDITIONAL MORE STRINGENT REQUIREMENTS ARE SPECIFIED. NOTIFY ARCHITECT IF FOUNDATION CONDITIONS ENCOUNTERED DIFFER FROM SOILS EXPLORATION INFORMATION MADE AVAILABLE TO THE CONTRACTOR.
- N. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION.
- O. WINDOWS, DOORS AND CLADDING SHALL BE DESIGNED TO MEET OR EXCEED RESISTANCE OR A WIND PRESSURE $\pm$. PSF30 UNLESS OTHERWISE NOTED.

2. FLASHING

- A. PROVIDE APPROVED CORROSION-RESISTANT FLASHING AT ALL BELLY BANDS AND ROOF TO ROOF AND ROOF TO WALL INTERSECTIONS AS PER 2018 INTERNATIONAL RESIDENTIAL CODE, PARAGRAPH R103.4.

3. SHEAR WALLS

- UNLESS OTHERWISE NOTED THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 44 LINEAR FEET OF 4x8x1/2" CDX FLYWOOD SHEAR PANELS (PLACED THE WITH 48" EDGE HORIZONTAL), PER FLOOR, AS DIRECTED BY THE ARCHITECT. VERIFY NAILING SCHEDULE WITH PROVIDED CALCULATIONS AND/OR ARCHITECT.

4. FOUNDATIONS

- A. FOOTINGS SHALL BEAR ON EITHER STIFF NATURAL SOIL OR COMPACTED FILL.
- B. COMPACTED FILL SHALL BE SPREAD IN 8-INCH LIFTS, MOISTURE CONDITIONED, AND COMPACTED TO AT LEAST 95% ASTM D1557 RELATIVE COMPACTION.
- C. ALL FOUNDATION EXCAVATIONS SHALL BE KEPT CLEAR OF WATER AT ALL TIMES. THE BOTTOM OF THE FOOTING EXCAVATION SHALL BE NEAT AND FREE OF LOOSE SOILS OR DEBRIS.
- D. PROVIDE STEP FOOTING AS REQUIRED OR AS SHOWN ON THE DRAWINGS TO MAINTAIN MINIMUM EMBEDMENT DEPTH BELOW FINISH OR EXISTING GRADE FOR EXTERIOR FOOTINGS.
- E. THE FINISH GRADE OUTSIDE THE SLAB SHALL BE SHAPED TO SHED WATER AWAY FROM THE FOUNDATIONS AND TO AVOID POOLING CONDITIONS NEAR THE SLAB OR THER FOOTING AREAS.
- F. IF A FOOTING IS LOCATED NEXT TO A UTILITY LINE, IT SHALL EXTEND TO THE BOTTOM OF THE UTILITY TRENCH TO REDUCE FOOTING SETTLEMENT DUE TO SETTLEMENT OF THE TRENCH BACKFILL. PROVIDE COMPACTION TEST RESULTS FOR SUCH CONDITIONS.
- G. THE FILL AREA SHALL BE CLEARED OF VEGETATION AND DEBRIS PRIOR TO FILLING. FILLS AND BACKFILLS SHALL BE CLEAN GRANULAR FILL PLACED IN MAXIMUM 8-INCH LIFTS AND COMPACTED TO A MINIMUM OF 95% OF ITS MAXIMUM DRY DENSITY ESTABLISHED BY ASTM D-1557-18. ON-SITE CLAY SOIL OR DEBRIS SHALL NOT BE USED FOR FILL MATERIAL BELOW STRUCTURES.

5. CONCRETE

- A. ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 psi. MAXIMUM AGGREGATE SIZE SHALL BE ONE (1) INCH WITH A MAXIMUM SLUMP OF FOUR (4) INCHES.
- B. ALL CONCRETE SLABS ON GRADE SHALL BE THICKNESS AS INDICATED ON THE DRAWINGS OVER MINIMUM 6 MIL. POLYETHYLENE VAPOR BARRIER. SUCH SLABS SHALL BE REINFORCED WITH 6x6 10/10 W/M LAPPED 8" AT EDGES AND ENDS. IN CONFORMANCE WITH ASTM-185.
- C. PROVIDE STEP FOOTING AS REQUIRED OR AS SHOWN ON THE DRAWINGS TO MAINTAIN MINIMUM EMBEDMENT DEPTH BELOW FINISH OR EXISTING GRADE FOR EXTERIOR FOOTINGS.
- D. FILL UNDER CONCRETE SLABS SHALL BE CLEAN SAND OR ROCK AND FREE OF DEBRIS AND OTHER DELETERIOUS MATERIAL. FILL SHALL BE COMPACTED IN MIN. 8" LIFTS TO A DENSITY OF AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D1557). PROVIDE COMPACTION TEST RESULTS TO ARCHITECT FOR REVIEW.
- E. FOOTINGS SHALL BEAR UPON UNDISTURBED SOLID SOIL OR UPON SOIL COMPACTED TO A DENSITY OF AT LEAST 95% OF STANDARD PROCTOR MAXIMUM DRY DENSITY (ASTM D1557) FOR A DEPTH OF AT LEAST 24" BELOW THE BOTTOM OF THE FOOTING.
- F. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
- | | |
|--------|---|
| 3" | - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH. |
| 2" | - CONCRETE EXPOSED TO EARTH OR WEATHER, 16" OR LARGER. |
| 1-1/2" | - CONCRETE EXPOSED TO EARTH OR WEATHER, 5" BAR AND SMALLER |
| 1-1/2" | - CONCRETE NOT EXPOSED TO WEATHER OR CONTACT WITH EARTH FOR THE PRIMARY REINFORCEMENT, TIES, STIRRUPS, AND SPIRAL IN BEAMS AND COLUMNS. |
| 3/4" | - CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH EARTH FOR SLABS, WALLS, AND JOISTS, #11 BAR AND SMALLER. |
- G. UNLESS OTHERWISE INDICATED, CONCRETE COVER OVER REINFORCING BARS SHALL BE AS FOLLOWS:
- | | |
|-----------------------------------|----|
| FOOTING IN CONTACT WITH GROUND: | 3" |
| FORMED SURFACES EXPOSED TO EARTH: | 2" |
- H. DRYPACK CONCRETE SHALL BE ONE PART PORTLAND CEMENT AND ONE PART SAND WITH SUFFICIENT WATER TO ALLOW A SMALL AMOUNT OF PASTE TO COME TO THE SURFACE.

- I. ALL CONCRETE TO BE PROPERLY CURED FOR AT LEAST 7 DAYS. WATER PONDING OR SPRAY-ON RESIN-TYPE CURING MEMBRANE TO BE USED WITHIN 2 HOURS OF INITIAL SET OF CONCRETE. CONTRACTOR TO NOTIFY ENGINEER/ARCHITECT TO WHICH CURING METHOD IS TO BE USED PRIOR TO CONCRETE POUR.
- J. CONTRACTOR SHALL PROVIDE CONTROL JOINTS TO MINIMIZE CONCRETE CRACKING. IF SUCH CONTROL JOINTS ARE NOT CALLED OUT ON THE DRAWINGS, CONTRACTOR SHALL SUBMIT A SKETCH OF A CONTROL JOINT LOCATION PLAN. THE SPACING OF CONTROL JOINTS SHALL NOT EXCEED 20'-0" IN ANY DIRECTION.
- K. PROVIDE TERMITE PROTECTION PER 2012 IBC, SECTION 2304.11, AS AMENDED.

6. REINFORCING STEEL

- A. ALL REINFORCING STEEL SHALL BE NEW STOCK DEFORMED BARS CONFORMING TO A.S.T.M. A-615 GRADE 60 UNLESS OTHERWISE NOTED. PLACEMENT OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH A.C.I. 318 AND A.C.I. 318. ALL REINFORCING STEEL SHALL BE CLEAN OF RUST SCALE, GREASE OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL BENDS SHALL BE MADE COLD.
- B. SPLICES SHALL BE STAGGERED 8'-0" MINIMUM WITH 40 DIAMETER LAP OR 24" WHICHEVER IS GREATER.
- C. ALL CONTINUOUS VERTICAL AND HORIZONTAL REINFORCING STEEL IN FOOTINGS, BEAMS AND COLUMNS SHALL BE LAP SPLICED A MINIMUM OF 48 BAR DIAMETERS OR WHICHEVER IS GREATER.
- D. HORIZONTAL BEAM AND FOOTING BARS SHALL BE BENT 1'-0" AROUND CORNERS OR CORNER BARS WITH 2'-0" LAP SHALL BE PROVIDED.

7. FRAMING

- E. GENERAL CONTRACTOR SHALL CHECK ARCHITECTURAL, MECHANICAL, AND ELEC. DRUGS, FOR OPENINGS, SLEEVES, SLAB DEPRESSIONS, PITCH AND ANY OTHER ITEMS RELATED TO CONC. WORK AND SHALL ASSUME FULL RESPONSIBILITY FOR THEIR RESPECTIVE LOCATION(S).

8. CONCRETE POURS

- A. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. NECESSARY TO SUPPORT REINFORCING STEEL. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN PLACE BEFORE PLACING CONCRETE. ALL SIMPSON HARDWARE STRAP HOLDERS AND STRAP MATES SHALL BE SECURED TO FORMS PRIOR TO PLACING CONCRETE.
- B. COORDINATE LOCATION OF CONSTRUCTION JOINTS w/ARCHITECT OR ENGINEER ON SITE.
- C. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318 LATEST EDITION, AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS" ACI 308.
- C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SPECIFIED STRENGTH AND PROPER PLACING OF ALL CONCRETE AND POSITIONING OF ALL REINFORCING STEEL.
- D. ALL CONCRETE IMPROPERLY PLACED AND OR TESTED AND FOUND TO BE BELOW SPECIFIED STRENGTH SHALL BE REPLACED, ALONG WITH OTHER AFFECTED WORK AT NO ADDITIONAL COST.
- E. ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3000 psi. MAXIMUM AGGREGATE SIZE SHALL BE ONE (1) INCH WITH A MAXIMUM SLUMP OF FOUR (4) INCHES.
- F. ALL CONCRETE SAW CUTS SHALL BE COMPLETED WITHIN 24 HOURS OF CONCRETE PLACEMENT.
- G. CONCRETE SLABS SHALL BE WATERED CONTINUOUSLY FOR THE FIRST 72 HOURS.

9. CONCRETE MASONRY UNIT (CMU)

- A. MASONRY UNITS SHALL BE GRADE N-2 STANDARD WEIGHT UNITS CONFORMING TO A.S.T.M. C-90 WITH F_m = 1350 PSI. MASONRY UNITS SHALL BE CLEAN AND FREE OF ALL SUBSTANCES THAT MAY IMPAIR BOND. ALL MASONRY WALL SHALL BE LAID WITH RUNNING BOND, UNLESS OTHERWISE SPECIFICALLY NOTED ON THE DRAWINGS.
- B. MORTAR MIX SHALL BE ONE (1) PART PORTLAND CEMENT, THREE (3) PARTS SAND, ONE-FOURTH (1/4) PART LIME PUTTY BY VOLUME OF CEMENT AND SHALL CONFORM TO A.S.T.M. C-270. WATER CONTENT SHALL BE THE MINIMUM REQUIRED FOR WORKING CONSISTENCY. TWENTY-EIGHT (28) DAY ULTIMATE STRENGTH SHALL BE 2,000 PSI.
- C. ALL CELLS SHALL BE GROUTED SOLID UNLESS INDICATED OTHERWISE. GROUT IN LIFTS NOT TO EXCEED 48" WITHOUT SPECIAL INSPECTIONS.
- D. THE MAXIMUM HEIGHT OF GROUT LIFTS SHALL BE 4'-0" UNLESS OTHERWISE NOTED ON DRAWINGS.
- E. GROUT MIX SHALL BE ONE (1) PART PORTLAND CEMENTS, THREE (3) PARTS SAND, AND (OPTIONALLY) ONE-TENTH (1/10) PART LIME IN ADDITION. IN ADDITION, 1-1/2 PARTS FEA GRAVEL, MAKING A 1.3:1-1/2 MIX. SUFFICIENT WATER MAY BE ADDED TO PROVIDE POURING CONSISTENCY WITHOUT SEGREGATION. THE TWENTY-EIGHT (28) DAY ULTIMATE STRENGTH OF THE GROUT SHALL BE 2500 PSI.
- F. MASONRY UNITS SHALL BE LAID TO PROVIDE UNOBSTRUCTED VERTICAL CONTINUITY OF GROUT SPACE. WHEN GROUTING IS STOPPED FOR LONGER THAN ONE (1) HOUR, CONSTRUCTION JOINTS SHAL BE FORMED AT THE TOP OF THE GROUT LIFT BY STOPPING FOUR THREE-FOURTHS INCHES (3/4") MINIMUM BELOW TOP OF UPPERMOST LIFT.
- G. LAP ALL MASONRY REINFORCING TO 40 BAR DIAMETERS OR 32 INCHES, WHICHEVER IS LARGER. ALL VERTICAL REINFORCING SHALL BE DOUELED (SAME SIZE AND SPACING AS VERTICAL BARS) TO FOUNDATION WALL OR FOOTING BELOW. HORIZONTAL REINFORCING SHALL BE CONTINUOUS AT ALL INTERSECTING WALLS AND AT ALL CORNERS.

10. LUMBER

- A. ALL CONNECTION HARDWARE SYMBOLS SUCH AS CB&Q, ECC, CC, M&T, C&S, HDU, ETC., ARE FROM SIMPSON "STRONG TIE" COMPANY. ALL HARDWARE SHALL BE GALVANIZED.
- B. ALL LUMBER SHALL BE SEPARATED FROM MASONRY OF CONCRETE WITH ONE LAYER OF 15" FELT OR APPROVED ALTERNATE VAPOR BARRIER.
- C. CONSTRUCTION PRACTICE FOR ALL STRUCTURAL FRAMING SHALL CONFORM TO A.I.T.C. "TIMBER CONSTRUCTION MANUAL" (LATEST EDITION).
- D. ALL FRAMING LUMBER SHALL BE SURFACE DRY DOUGLAS FIR (UNLESS OTHERWISE NOTED) IN ACCORDANCE WITH WU/P.A. OR WCLC STANDARDS AND SHALL BE DRIED TO 19% OR LESS MOISTURE CONTENT. THE SPECIFICATIONS FOR ALL STRUCTURAL LUMBER SHALL BE AS FOLLOWS:

10a. CONCEALED STRUCTURAL FRAMING:

1. LIGHT FRAMING AND STUDS 2 TO 4; THICK, 2" TO 4" WIDE - DOUGLAS FIR "CONSTRUCTION", 25% "STANDARD", OR "STUD GRADE" FOR STUDS.
2. STRUCTURAL JOIST AND PLANKS AND TRELLIS MEMBERS, 2 TO 4" THICK, 6" AND WIDER - DOUGLAS FIR NO. 1, 25% NO. 2, 94S WHERE CONCEALED. "SELECT STRUCTURAL" WHERE NOTED ON THE DRAWINGS.
3. BEAMS AND STRINGERS - 5" AND THICKER, WIDTH MORE THAN 2" GREATER THAN THICKNESS - DOUGLAS FIR NO. 1, 54S WHERE CONCEALED. "SELECT STRUCTURAL" WHERE NOTED ON DRAWINGS.
4. POSTS AND TIMBERS 5 X 5 AND LARGER, WIDTH NOT MORE 2" GREATER THAN THICKNESS - DOUGLAS FIR NO. 1, 54S WHERE CONCEALED. "SELECT STRUCTURAL" WHERE NOTED ON DRAWINGS. ALL POSTS SHALL BE 15% FREE OF HEART CORES.

10b. EXPOSED FRAMING:

- ALL SIZES: DOUGLAS FIR "SELECT STRUCTURAL", FREE OF HEART CENTER, SAW SIZED (RESAWN) TO NET LUMBER SIZES. SELECT FOR APPEARANCE.

10c. EXPOSED TAG ROOF DECKING:

- DOUGLAS FIR, CEDAR, HEMLOCK OR SPRUCE "SELECT DECK" CHANNEL GROOVE, RESAWN, TIGHT KNOTS ONLY.

10d. GLU-LAMINATED MEMBERS:

1. ALL GLU-LAM BEAMS SHALL BE LAMINATED FROM DOUGLAS FIR AND SHALL BE 24F-V8 GRADE (F_b=2400 PSI). ALL GLU-LAM BEAMS SHALL BE MANUFACTURED WITH STANDARD CAMBER UNLESS NOTED OTHERWISE ON THE FRAMING PLANS.
2. ALL EXPOSED MEMBERS AND PARTIALLY EXPOSED MEMBERS SHALL BE ARCHITECTURAL GRADE. ALL CONCEALED MEMBERS SHALL BE INDUSTRIAL GRADE.
3. ALL MEMBERS SHALL BE MARKED WITH AN ITC QUALITY MARK AND ALSO COMFORM TO VOLUNTARY PRODUCT STANDARD PS-56-13.

10e. STRUCTURAL POLES:

- PONDEROSA PINE, MACHINED PEELLED, UTILITY ARCHITECTURAL GRADE, (1-1/2" PER 10 FT. MAXIMUM TAPER) 12" MAXIMUM BUTT DIAMETER, 8-1/2" MINIMUM TIP DIAMETER.

10f. STRUCTURAL PLYWOOD AT SHEAR WALLS:

- ALL FLYWOOD SHEATHING SHALL BE OF STRUCTURAL II GRADE WITH A MINIMUM F.I. INDEX OF 32/16 EXTERIOR. ALL FLYWOOD EDGES SHALL BE BLOCKED. NAIL ALL PLYWOOD SHEATHING TO ALL JOISTS, BEAMS AND BLOCKINGS. PROVIDE 10d (3" X 0.148" DIAMETER) COMMON GALVANIZED NAILS AT 4" O.C. ON ALL PERIMETER, 6" O.C. ON ALL INTERMEDIATE FRAMING, AND AT 4" O.C. ON ALL BEAMS. EDGE BLOCK ALL SHEAR WALLS. (SEE STANDARD DETAILS FOR ROOF DIAPHRAM NAILS AND SCHEDULE.)

10g. PREFABRICATED WOOD TRUSS JOIST

- WOOD TRUSS JOIST SHALL BE OF THE I SERIES (AS MANUFACTURED BY TRUSS JOIST CORPORATION) OR NOTED AS TJ WHICH CONSIST OF A COMBINATION WOOD PLANKS AND WEBS UTILIZING WATERPROOF TYPE GLUES. THE WEBS SHALL BE FABRICATED FROM APA STRUCTURAL PLYWOOD AND THE FLANGES FABRICATED FROM MICRO-LAM (ML) LUMBER MEETING THE REQUIREMENTS FOR MICRO-LAM (ML) BEAMS.

10h. MICRO - LAM (ML) BEAMS

1. MICRO-LAM BEAMS SHALL BE LAMINATED DOUGLAS FIR VENEER AND SHALL MEET THE FOLLOWING STRUCTURAL REQUIREMENTS: E = 2,000,000 psi / F_b = 2,800 psi F_v = 285 psi.
2. GLUE SHALL BE EXTERIOR TYPE CONFORMING TO ASTM D-2559-16.
3. BEAMS SHALL BE TERMITE TREATED WITH AN OIL BORNE PRESERVATIVE.

11. BOLLING SCHEDULE:

- CONFORM TO 2018 IBC/IRC, UNLESS OTHERWISE NOTED, WOOD BOLL OR PLATES ON CONCRETE SHALL BE BOLTED WITH 1/2"x10" LONG A.B.S. PLACE BOLTS NOT OVER 1" FROM ENDS OF BOLL PIECE AND NOT OVER 32" O.C. THERE SHALL BE AT LEAST 2 BOLTS IN EACH PIECE. BOLLS FOR INTERIOR, NONBEARING PARTITIONS THAT ARE NOT SHEAR WALLS MAY BE ANCHORED TO CONCRETE SLABS WITH POWER DRIVEN SHOT PINS @ 24" O.C. IN LIEU OF BOLTS. PINS SHALL HAVE A MINIMUM SHANK DIAMETER OF 0.2" AND SHALL BE SHOT THROUGH 3/8"x14 GA. WASHERS. MINIMUM PIN PENETRATION IN CONCRETE = 1625 INCHES.

12. MISCELLANEOUS STEEL

- A. ALL STEEL PLATES, BARS AND SHAPES SHALL COMPLY WITH ASTM A-36 AND SHALL BE GALVANIZED WITH MINIMUM ZINC COVER OF 185 OUNCES PER SQUARE FOOT.
- B. THE LATEST EDITION OF THE SIMPSON STRONG TIE CATALOG SHALL BE INCLUDED IN THE CONTRACT DOCUMENTS BY REFERENCE. INSTALLATION OF ALL HARDWARE AND CONTRACTOR PRODUCTS SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
- C. BOLTS SHALL COMPLY WITH ASTM A325, ASTM F1554 GRADE 36 AND SHALL BE GALVANIZED WITH MINIMUM ZINC COVER OF 185 OUNCES PER SQUARE FOOT.
- D. ALL WELDS SHALL BE E10XX ARC WELDED ACCORDING TO AWS STANDARDS AND PERFORMED BY CERTIFIED WELDERS. GRIND SMOOTH ALL EXPOSED WELDS.
- E. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT FOR ALL FABRICATED BRACKETS, HARDWARE AND MISCELLANEOUS METALS PRIOR TO FABRICATION.
- F. PIPE COLUMN SHALL BE GALVANIZED, GRADE B AND SHALL MEET THE REQUIREMENTS OF ASTM A-53.
- G. CONTRACTOR SHALL PROVIDE ALL FASTENING DEVICES NECESSARY AND SUITED TO EACH APPLICATION. ALL SUBMITTALS FOR MOISTURE SHALL BE HOT DIP GALVANIZED TO ASTM A53-80 PROVIDED BY SIMPSON STRONG TIE.
- H. REFER TO SECTION 16, THIS PAGE FOR FURTHER INFORMATION.

13. FRAMING

- A. SOLID BLOCK ALL JOISTS AND RAFTERS AT POINTS OF SUPPORT @ 8'-0" MAX CENTERS.
- B. PREFABRICATED STRUCTURAL TRUSSES SHALL COMPLY WITH NFPA NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION, TPI DESIGN SPECIFICATIONS FOR METAL PLATE CONNECTED WOOD TRUSSES AND AITC 100.
- C. ALL TRUSSES SHALL BE DESIGNED AND CERTIFIED BY TRUSS MANUFACTURER'S REGISTERED HI STATE LICENSED ENGINEER.
- D. ALL TRUSSES SHALL BE DESIGNED TO ENSURE ADEQUATE BEARING IS PROVIDED AT END REACTIONS OF ALL TRUSSES.
- E. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND DESIGN NOTES WITH AN ENGINEER'S SEAL FOR REVIEW BY THE ARCHITECT. DESIGN NOTES TO INCLUDE THE RATED LOAD CAPACITY OF THE CONNECTORS USED TO SECURE THE MEMBERS. CERTIFICATION OF THE CONNECTOR CAPACITIES AND MANUFACTURER'S LICENSE TO FABRICATE TRUSSES UTILIZING THE CONNECTOR SYSTEM PROPOSED.
- F. TRUSS ENGINEERING TO INCLUDE ALL REACTIONS FOR GRAVITY, UPLIFT OF THE MOMENT ON EACH TRUSS DESIGN. THE CONTRACTOR SHALL APPROVE FABRICATION AND INSTALLATION DRAWINGS SHOWING SIZE, SHAPE AND LAYOUT PRIOR TO SUBMITTAL FOR REVIEW BY THE ARCHITECT AND BEFORE FABRICATION HAS BEGUN.

- G. BRACE TRUSSES DURING ERECTION AND AFTER PERMANENT INSTALLATION TO COMPLY WITH TPI BUT-76 & HB-91.

- H. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED TO THEIR SUPPORTING WALLS OR BEAMS WITH HURRICANE CLIPS OR ANCHORS. CLIPS OR ANCHORS PER TRUSS MANUFACTURED SHOP DRAWINGS AND DETAILS HERE-IN.

- I. AT VOLUME CEILING CONDITIONS, ALIGN TRUSSES WITH WALLS BELOW TO PROVIDE A SMOOTH, UNBROKEN INTERIOR WALL SURFACE FROM FLOOR TO CEILING.

- J. ROOF FRAMING AND COMPONENTS, AS SHOWN OR THAT MAYBE REQUIRED, SHALL BE DESIGNED TO ACT AS A SHEAR DIAPHRAGM. ADEQUATE BRACING SHALL ALSO BE PROVIDED BETWEEN TRUSSES FOR THE DIAPHRAGM ACTION.

- K. CONTRACTOR IS RESPONSIBLE FOR THE PERMANENT BRACING AND ATTACHMENT OF ENGINEERED TRUSSES TO THEIR SUPPORTING ASSEMBLIES.

- L. CONTRACTOR TO VERIFY CONTINUOUS TIE DOWN CONNECTIONS FROM ROOF ASSEMBLIES TO ROOF/FLOOR SUPPORTS TO PERMANENT FOUNDATIONS.

- M. CONTRACTOR SHALL PROVIDE ALL FASTENING DEVICES NECESSARY AND SUITED FOR EACH APPLICATION. FASTENING SUBJECT TO MOISTURE SHALL BE HOT-DIP GALVANIZED TO ASTM A-153-80.

- O. CONTRACTOR SHALL PROVIDE TYVEK OR APPROVED EQUAL WATER-RESISTIVE BARRIER AT ALL EXTERIOR WALLS.

14. HOLD DOWNS

- A. ALL HOLD DOWNS SHALL BE SIMPSON HDU5 (GALVANIZED) MINIMUM OR EQUAL, FOR USE FOR FIRST FLOOR AND BETWEEN FLOORS. MINIMUM END DISTANCE TO THE FIRST BOLT SHALL BE 1" MINIMUM. TWO HOLD DOWNS SHALL BE USED BETWEEN FLOORS EXCEPT AT FLOOR FOUNDATION.

15. DRAINAGE

- A. GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DRAINAGE, CONTROL OF POTENTIAL EROSION, MITIGATION OF POTENTIAL DAMAGE TO ADJACENT AND DOWNSTREAM PROPERTIES, AND SHALL RETURN SHEET FLOW AND RUN OFF TO THEIR PREVIOUSLY EXISTING NATURAL PATHWAYS IN A MANNER THAT MINIMIZES SEDIMENT AND/OR OTHER POLLUTION - TO THE MAXIMUM EXTENT POSSIBLE.
- B. GENERAL CONTRACTOR SHALL STABILIZE ALL DISTURBED AREAS WITH EROSION CONTROL MEASURES SUCH AS VEGETATION, RUN OFF DIVERSIONS, CHECK DAMS, MULCHING, AND THE USE OF GEOTEXTILE FABRICS AND/OR BONDED FIBER MATRICIES.
- C. VEHICLE WHEEL WASH FACILITIES AND CONSTRUCTION DRIVEWAYS SHALL BE PROVIDED WITH A MINIMUM OF 4" CRUSHER WASTE. STOCK PILES SHALL COVERED WHEN NOT IN USE. ALL STOCK PILES SHALL REMAIN COVERED WHEN NOT IN USE. - SEE BEST MANAGEMENT PRACTICES IN THIS SET OR CIVIL SET OF DRAWINGS.
- D. GENERAL CONTRACTOR SHALL VERIFY ALL LOT AND TOPOGRAPHIC DIMENSIONS WITH ACTUAL CONDITIONS. MAINTAIN ALL REQUIRED SETBACK DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES, IN WRITING, IMMEDIATELY UPON DISCOVERY.
- E. ALL VENDORS SHALL COMPLY WITH PARKING REGULATIONS, KEEP FIRE LANES AND ACCESS ROADS CLEAR AT ALL TIMES.
- F. CONTRACTOR SHALL PROVIDE DUST CONTROL PER COUNTY REQUIREMENTS.

16. STEEL CONSTRUCTION:

1. STRUCTURAL STEEL SHALL CONFORM TO THE AISI "SPECIFICATION OR DESIGN, FABRICATION AND ERECTION OR STRUCTURAL STEEL FOR BUILDINGS", LATEST EDITION.
2. WELDED CONNECTIONS SHALL CONFORM TO THE LATEST REVISED CODE OF THE AMERICAN WELDING SOCIETY, AWS D11 USING E-10XX ELECTRODES.
3. ANCHOR BOLTS SHALL CONFORM TO ASTM A-307. MACHINE BOLTS SHALL CONFORM TO ASTM A-325.
4. STRUCTURAL STEEL SHAPES, PLATES, ETC. SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-36, UNLESS NOTED OTHERWISE.
5. SHOP PAINT ALL STRUCTURAL STEEL WITH ONE COAT OF RUSTOLEUM WITH MIN. 2 MIL. DRY THICKNESS.

17. DRYWALL:

1. INTERIOR GYPSUM BOARD SHALL BE 5/8" TYPE 'X' FIRE RATED PER ASTM REQUIREMENTS @ ALL GARAGE, CARPORT AND STORAGE AREAS.
2. INTERIOR GYPSUM BOARD SHALL 1/2" WATER RESISTANT RATED PER ASTM REQUIREMENTS @ ALL BATHROOM LOCATIONS.
3. CONTRACTOR SHALL INSTALL ALL INTERIOR GYPSUM WALL BOARD WITH 1/2" SCREWS @ 6" O.C. IN THE FIELD AND 4" O.C. ON THE PERIMETER OF ALL SHEETS.
4. TYPE X GYPSUM BOARD FOR GARAGE CEILINGS BENEATH HABITABLE ROOMS SHALL BE INSTALLED PERPENDICULAR TO THE CEILING FRAMING AND SHALL BE FASTENED AT MAXIMUM 6 INCHES O.C. BY MINIMUM 1-1/8 INCHES 6d COATED NAILS OR EQUIVALENT DRYWALL SCREWS.

18. CONNECTORS

1. ALL CONNECTORS NOTED ARE BY SIMPSON STRONG-TIE OR CUSTOM SHOP FABRICATED.
2. ALL CONNECTORS SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.
3. ALTERNATE CONNECTIONS SHALL BE SUBMITTED TO THE ARCHITECT OF RECORD IN WRITING.
4. CUSTOM STEEL CONNECTORS SHALL BE 1/4" STEEL PLATE W/O. WITH SHOP DRAWINGS PROVIDED TO THE ARCHITECT.

CWA

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JULY 19, 2024
CLIENT REVISIONS

MARTIN V. COOPER
LICENSED
PROFESSIONAL
ARCHITECT
No. 7350
HAWAII, U.S.A.

This work was prepared by me
or under my supervision and
construction of this project
will be under my supervision.

Signature: [Signature]
License expires on 04/30/2026

GENERAL NOTES

PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE: SEPT. 29, 2023

SCALE: NOTED

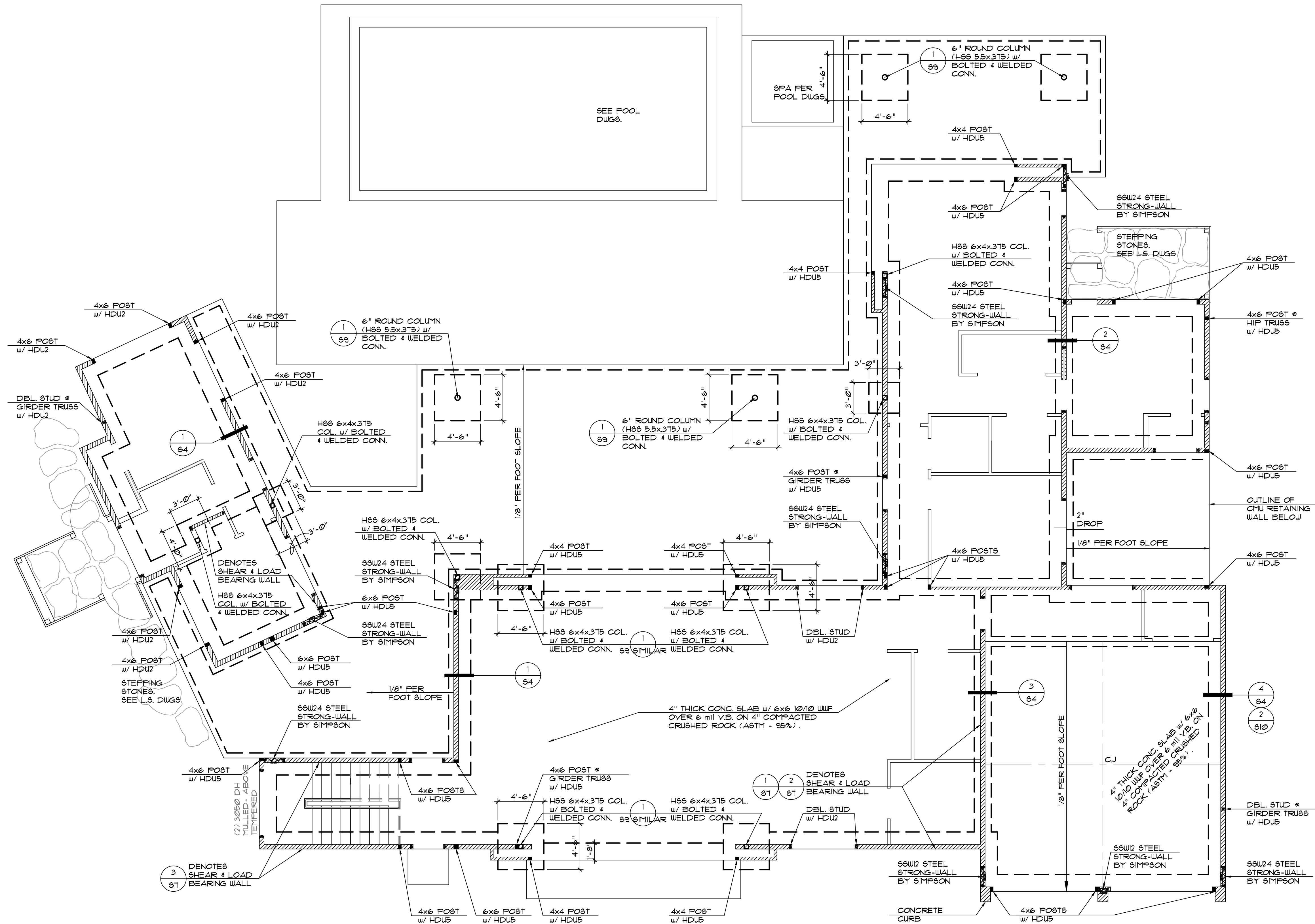
DRAWN: MVC/SV

JOB:

SHEET:

S1

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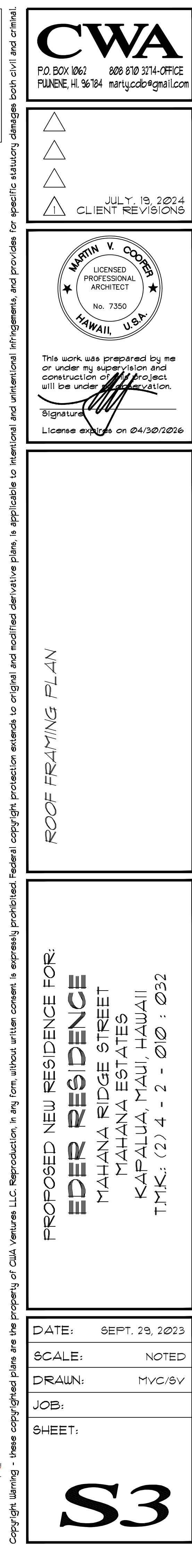


FOUNDATION PLAN

REFER TO DETAIL SHEETS FOR TYPICAL DETAILS. COORDINATE VARIATIONS OF SAME WITH ARCHITECT. VERIFY ALL HARDWARE TO BE INSTALLED IN SLAB WITH ARCHITECT. CONTRACTOR WILL ALLOW FOR HARDWARE AT ALL INTERIOR SHEAR WALLS AND BEAR AND BEARING POSTS LOCATIONS, IN FOUNDATION and SECOND FLOOR, WITH ARCHITECT PRIOR TO LAYING FOUNDATION SLAB. ALL CONC. COLUMNS SHALL HAVE THEIR B.O. FOOTING(S) ON EXISTING UNDISTURBED SOIL.

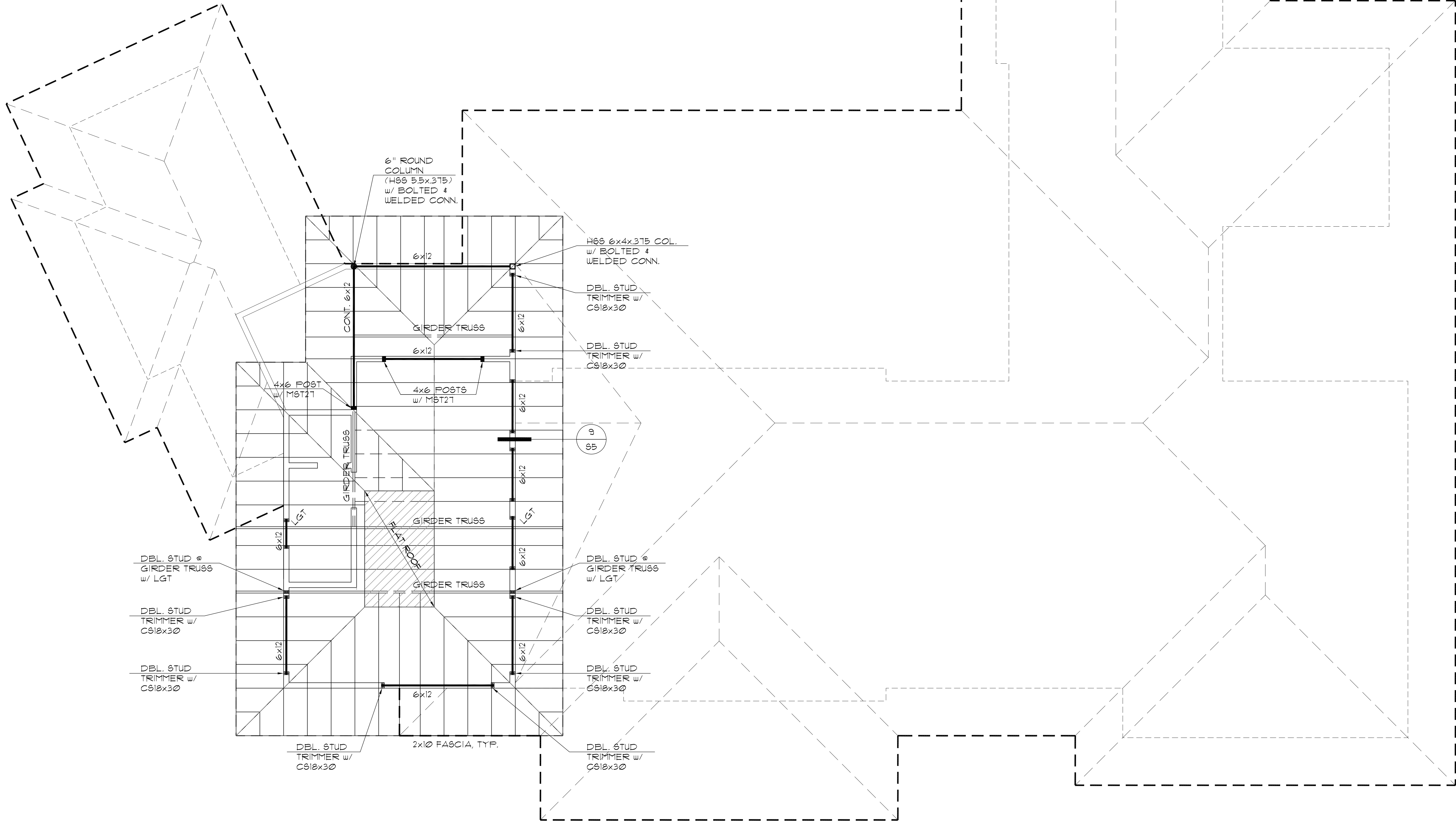
THE CONTRACTOR SHALL REVIEW THE REQUIREMENTS IN THE STRUCTURAL SYSTEM AND MEET WITH THE ARCHITECT ON SITE TO CONFIRM THE STRUCTURAL DESIGN MEETS THE CODE. ANY CHANGES RECOMMENDED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE ARCHITECT IN WRITING, A MINIMUM OF 5 WORKING DAYS PRIOR TO PROPOSED INSTALLATION OF SAME.

SCALE: 3/16"=1'-0"



S3

- NOTES:
1. SIMPSON C918x30" EA KING STUD or 4x POST TO TOP PLATE w/ 10d x 1-1/2" NAILS EA SIDE OF KING STUD or 4x POST UNLESS NOTED OTHERWISE ON FRAMING PLAN.
 2. ALL EXTERIOR WALL SHALL RECEIVED 1/2" CDX EXTERIOR SHEATHING PANELING w/4" EDGE and 6" FIELD NAILING w/10d BOX NAILS TYPICAL.
 3. GENERAL CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL STEEL CONNECTIONS TO ARCHITECT FOR REVIEW PRIOR TO INSTALLATION OF SAME.
 4. GENERAL CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ALL ROOF TRUSS MEMBERS. VERIFY THAT GIRDER TRUSSES SUFFICIENTLY SUPPORT THE SECOND FLOOR FRAMING and HAVE APPROPRIATE HARDWARE PROVIDED TO TRANSFER LOADING PER THE TRUSS MANUFACTURER'S RECOMENDATIONS.
 5. PROVIDE DBL. STUD MIN. w/ HDU5 BY SIMPSON PER PLAN (INSTALLED PER MANUFACTURER'S RECOMMENDATIONS) EACH END OF SHEAR WALL, TYPICAL
 6. ALL HEADERS @ 4x12 DF#2 U.N.O.



UPPER ROOF FRAMING PLAN

ALL NON-SIMPSON BOLTED CONNECTIONS SHALL BE 1/4" SHOP FABRICATED 60 KIP STEEL w/A MINIMUM OF (3) 3/4" A325 BOLTS PER FLANGE and MEMBER (MINIMUM), NO NAILED SIMPSON BEAM to BEAM OR BEAM TO POST CONNECTORS WILL BE ACCEPTED, UNLESS SPECIFICALLY CALLED OUT ON THE DRAWINGS. ALL TRUSSES SHALL BE PRE-ENGINEERED. PROVIDE SHOP DRAWINGS TO ARCHITECT FOR REVIEW and APPROVAL. DO NOT LOAD INTERIOR WALLS WITH ROOF or TRUSS MEMBERS w/OUT ARCHITECT or STRUCTURAL ENGINEER'S APPROVAL. ALL EXTERIOR ROOF SHEATHING SHALL BE 19/32" CDX EXTERIOR PLYWOOD SHEATHING w/4" EDGE and 6" FIELD NAILING w/10d COMMON NAILS: 2.5" x 0.131" IN SIZE TYPICAL. PROVIDE SHOP DRAWINGS FOR ALL STL TO STL and STL TO MASONRY CONNECTIONS.

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

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△
△
2
△

JULY, 19, 2024
DSA COMMENTS

JULY, 19, 2024
CLIENT REVISIONS

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PROFESSIONAL
ARCHITECT
No. 7350
HAWAII, U.S.A.

This work was prepared by me
or under my supervision and
construction of this project
will be under my observation.

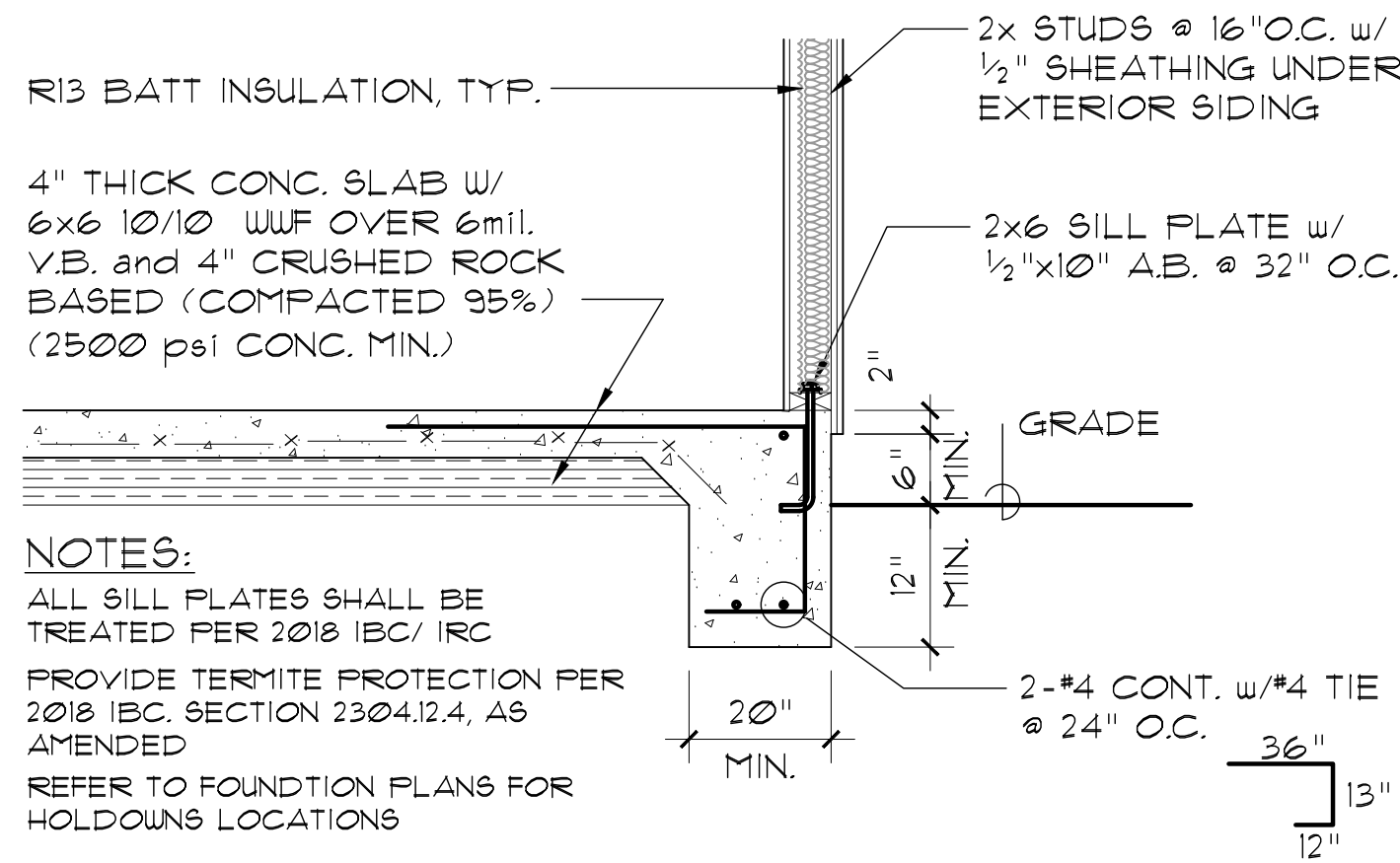
Signature
License expires on 04/30/2026

UPPER ROOF FRAMING PLAN

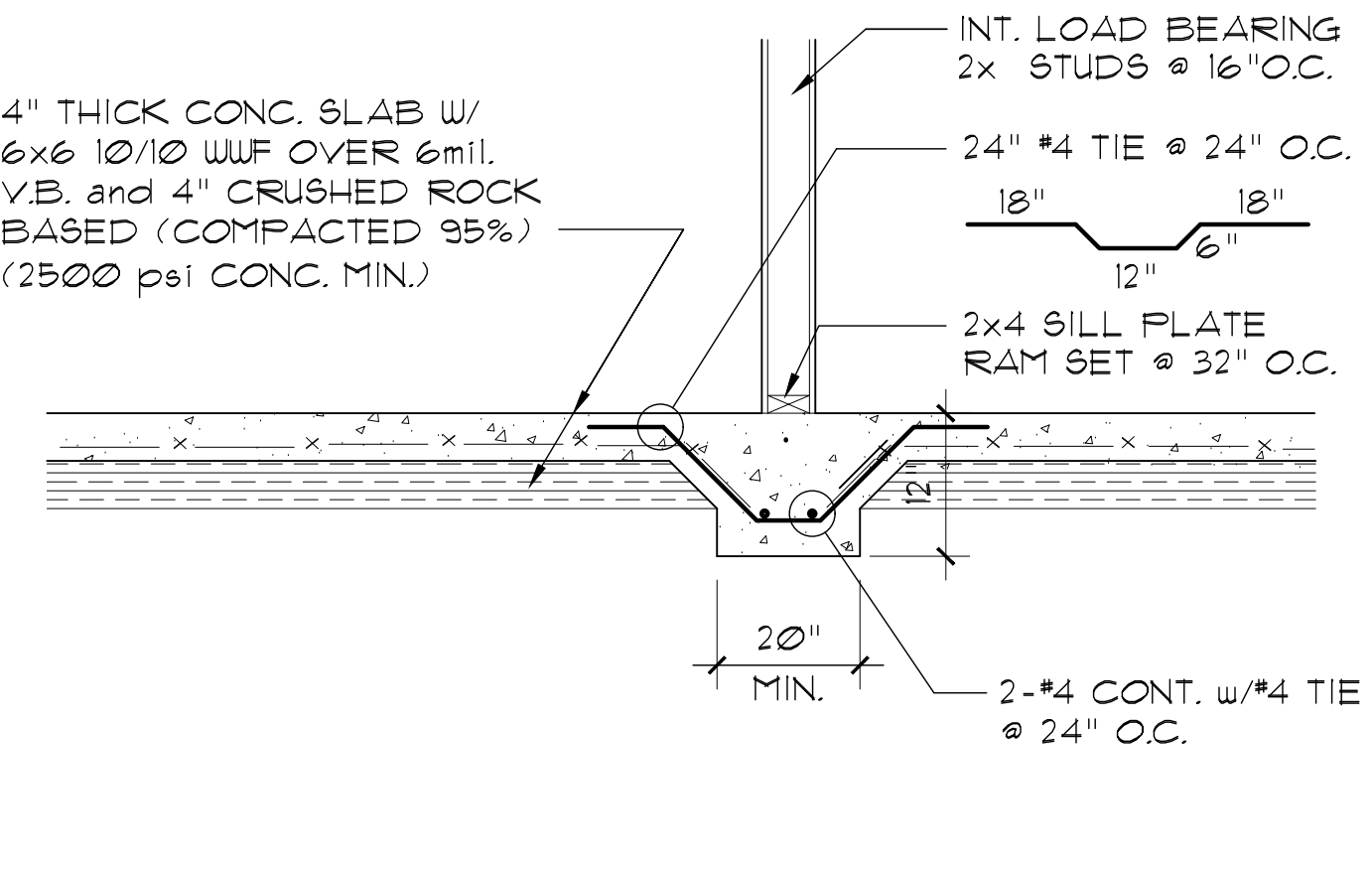
PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
TMK: (2) 4 - 2 - 0 0 : 032

DATE: SEPT. 29, 2023
SCALE: NOTED
DRAWN: MVC/SV
JOB:
SHEET:

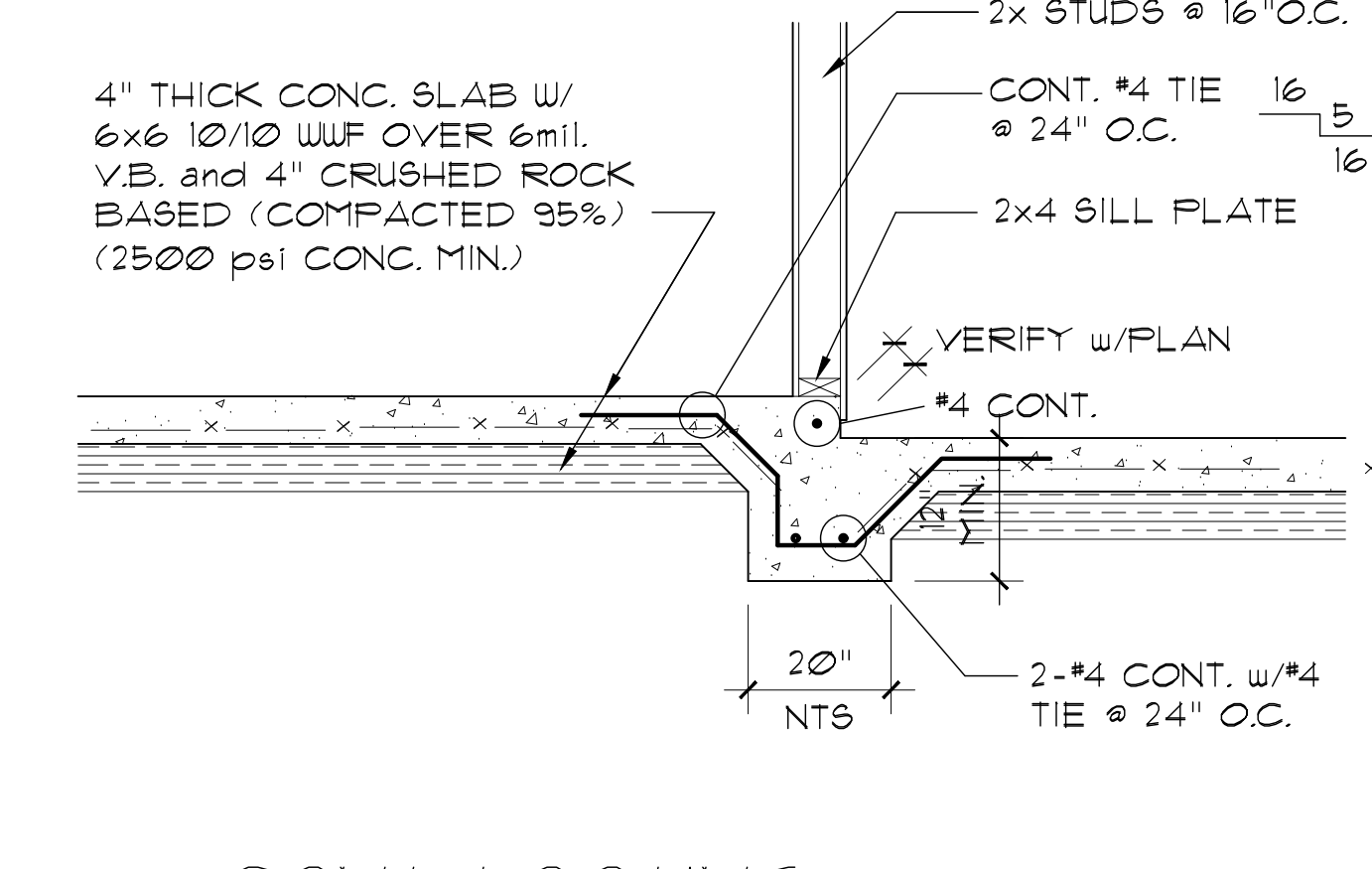
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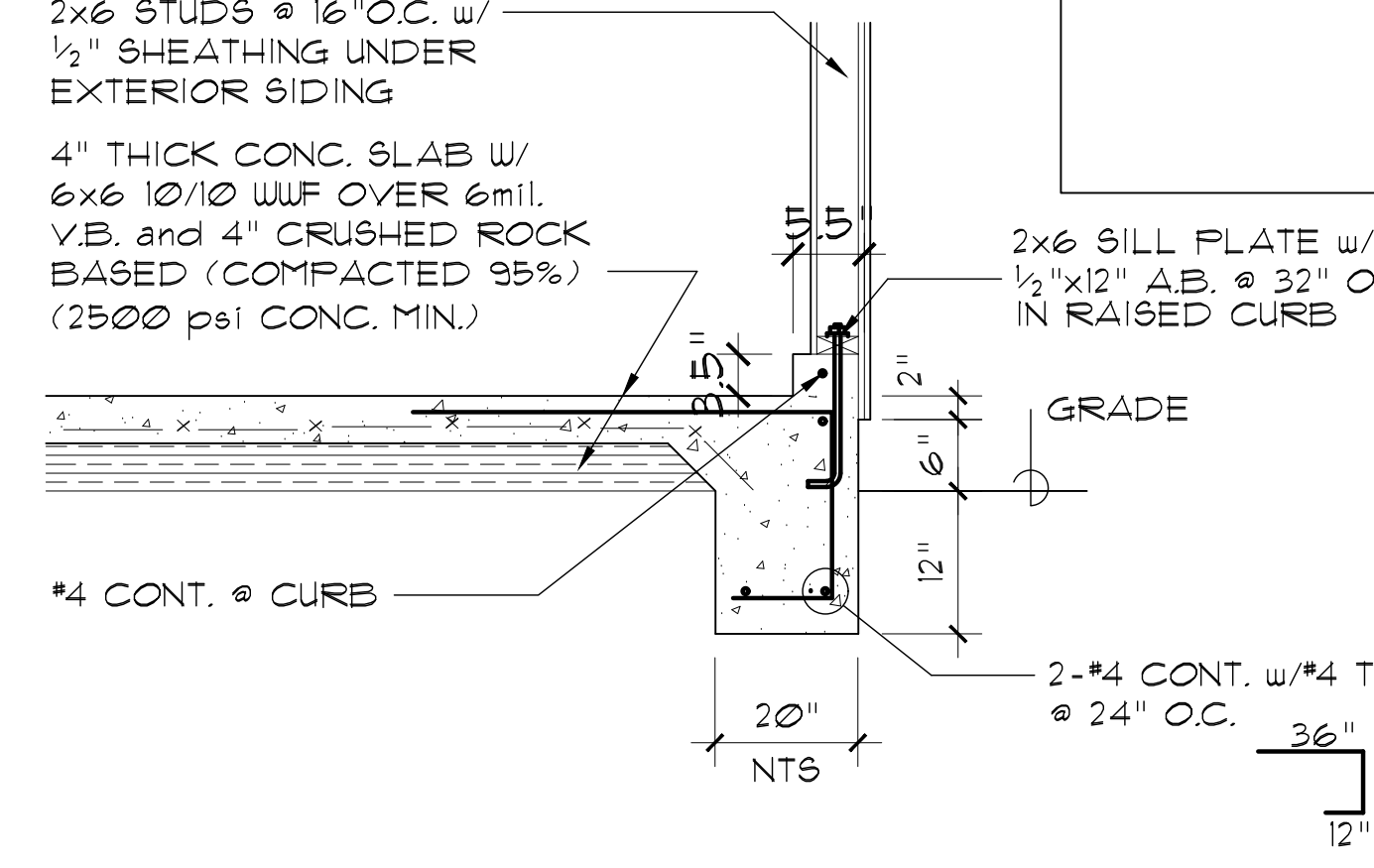
1 CONT. FTG. @ EXTERIOR WALL
3/4" SCALE



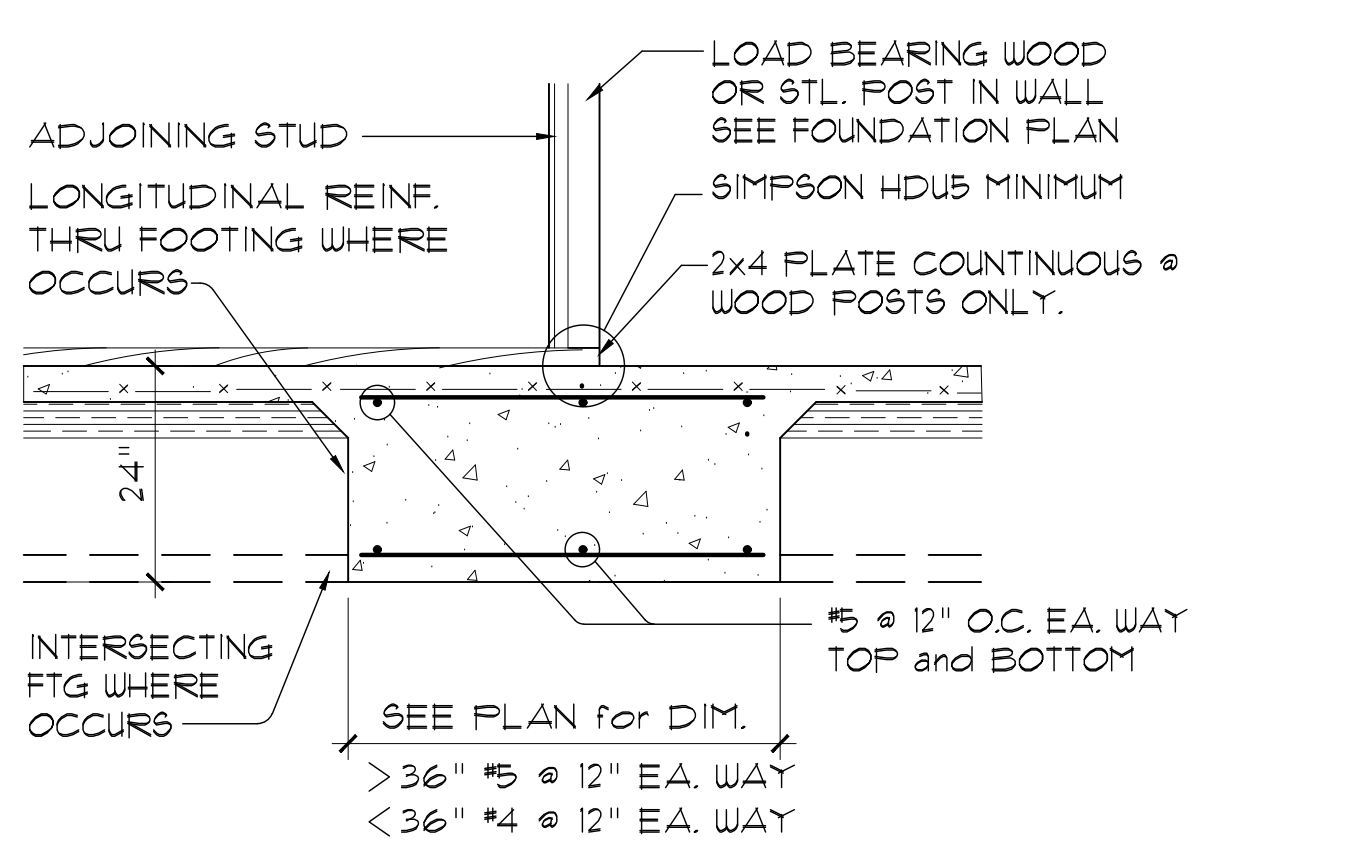
2 FTG. @ INT. LOAD BEARING WALL
3/4" SCALE



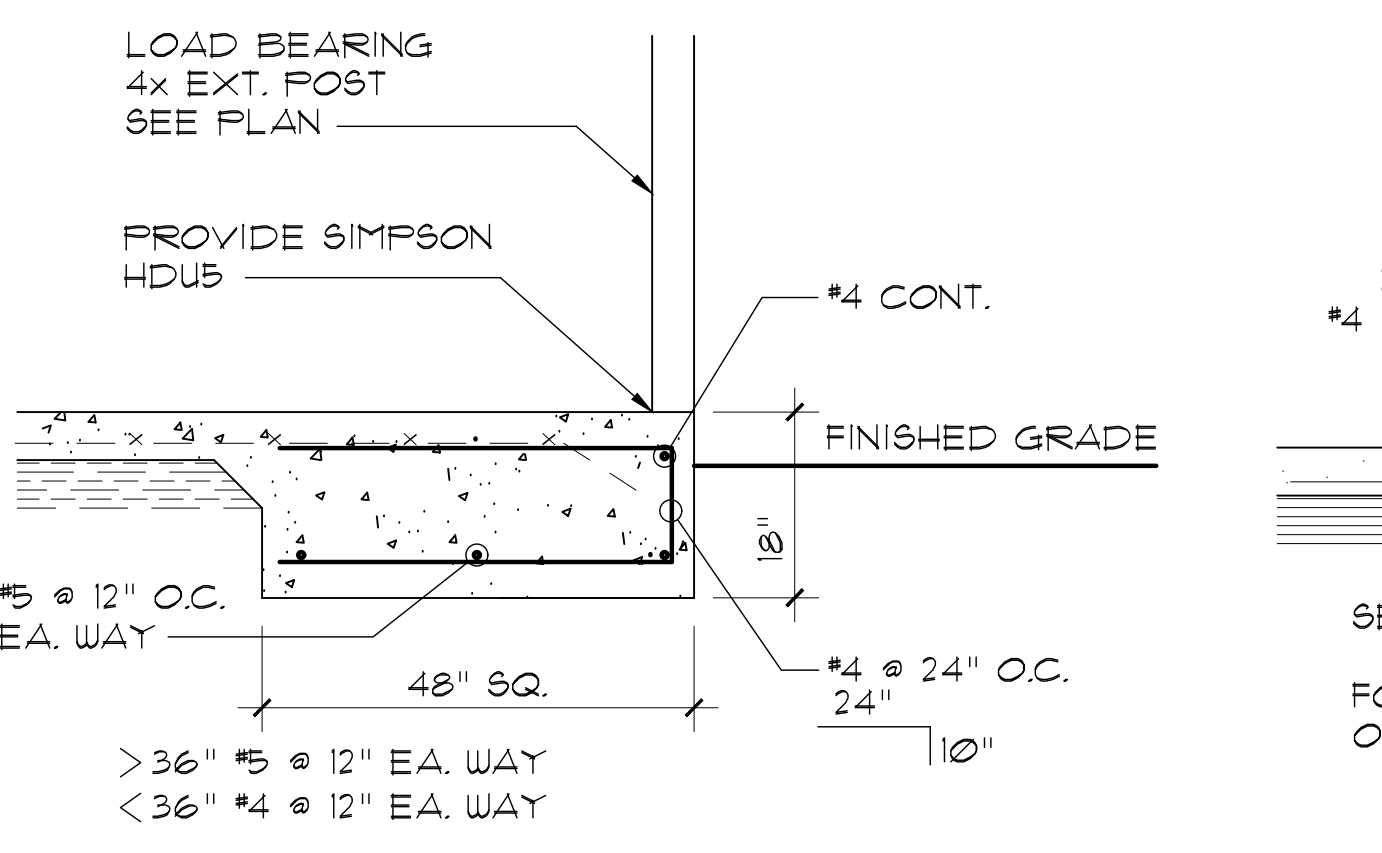
3 CONT. FOOTING @ DEPRESSED SLAB
3/4" SCALE



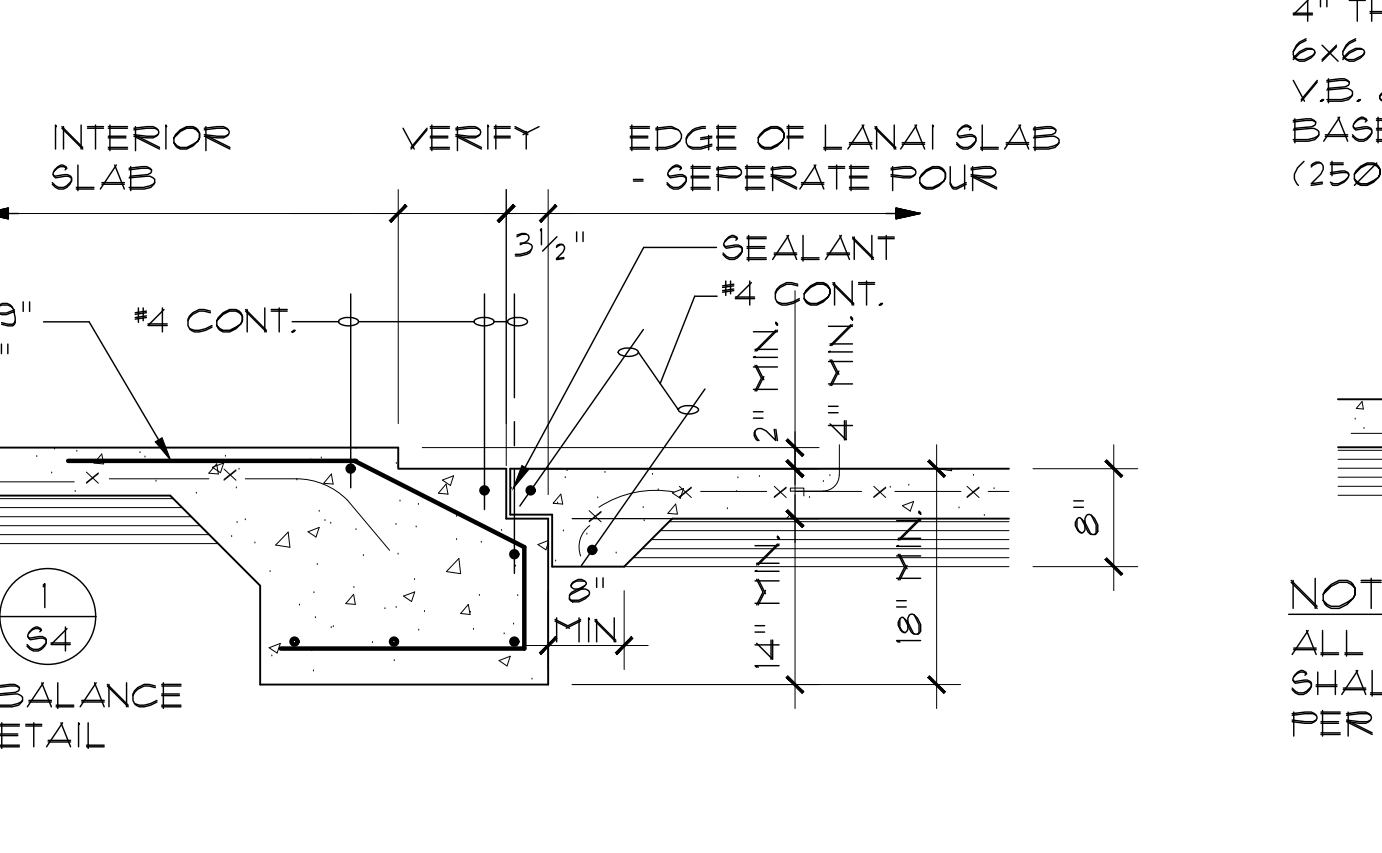
4 CURB FTG. @ EXTERIOR WALL
3/4" SCALE



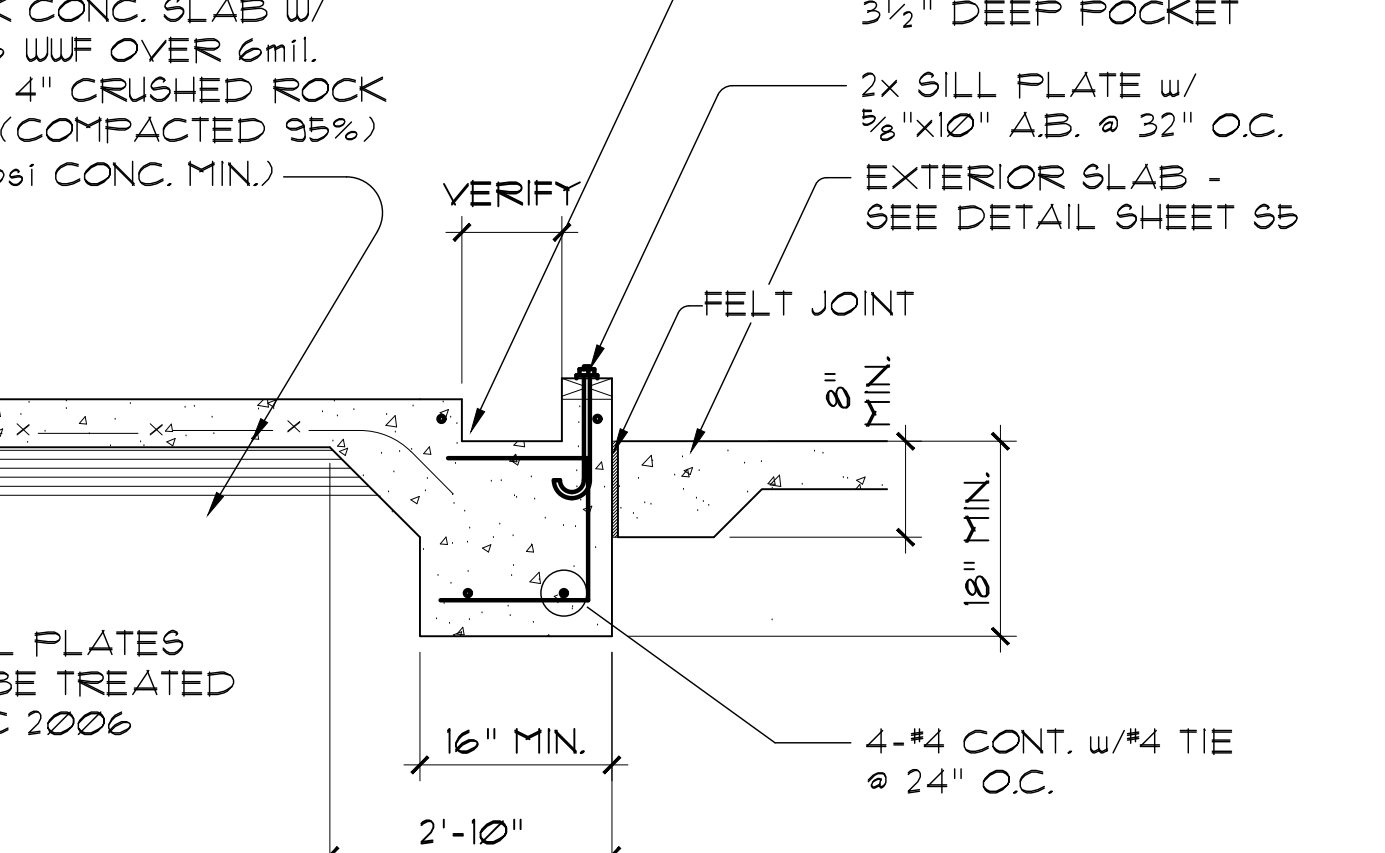
5 DROP FTG. @ POST COND.
3/4" SCALE



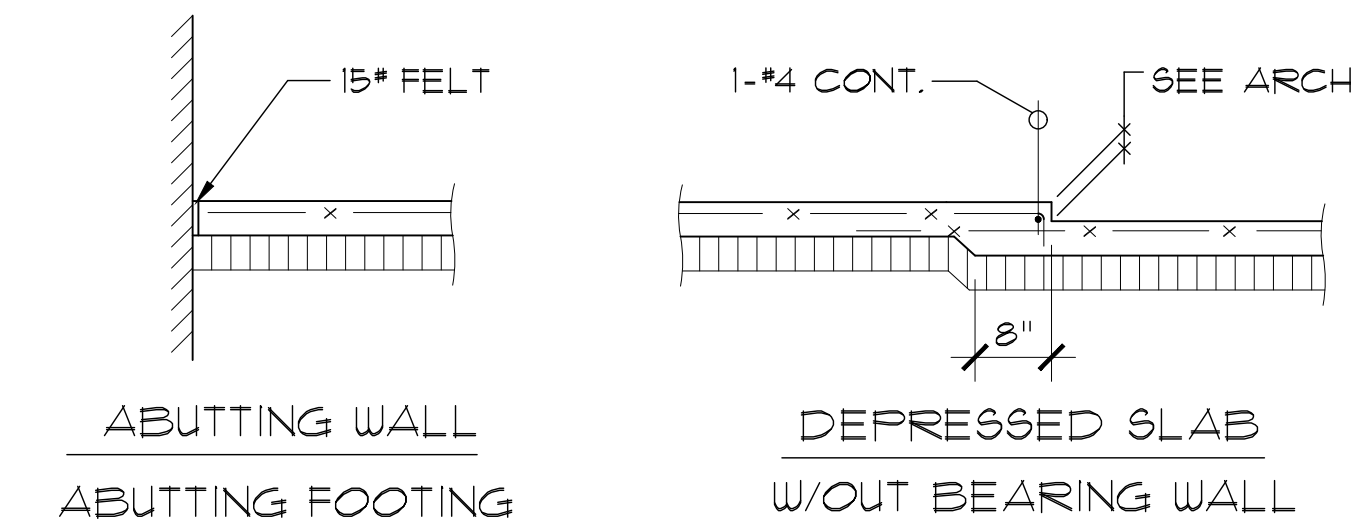
6 EXT. POST FOOTING
NOT AT SCALE



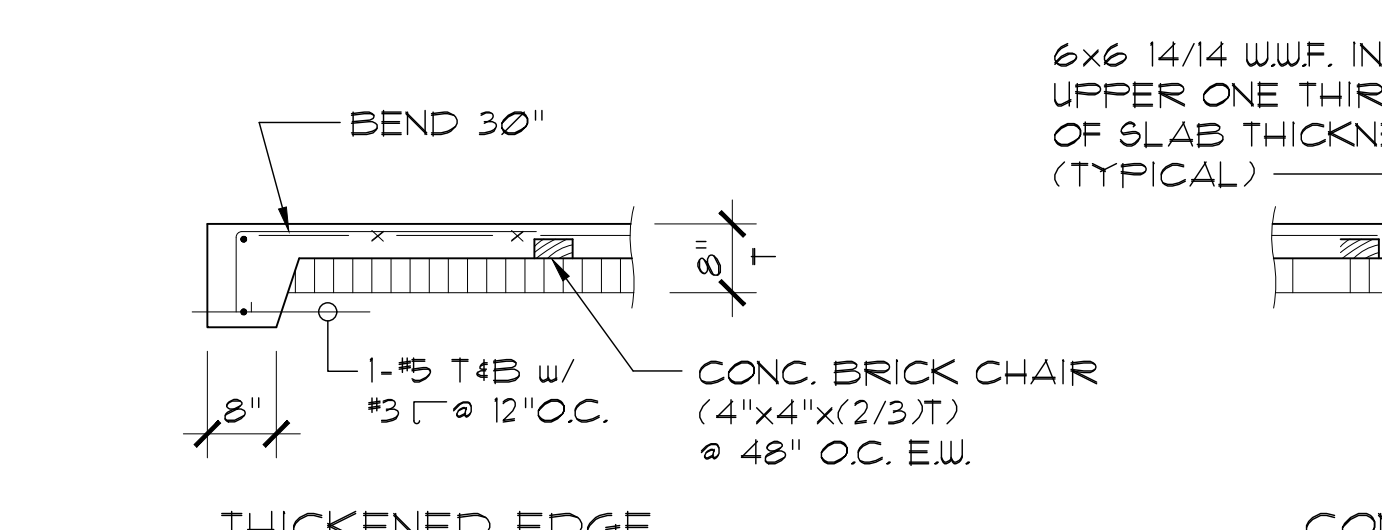
7 CONC. CURB @ "S.B. TRACK"
3/4" SCALE



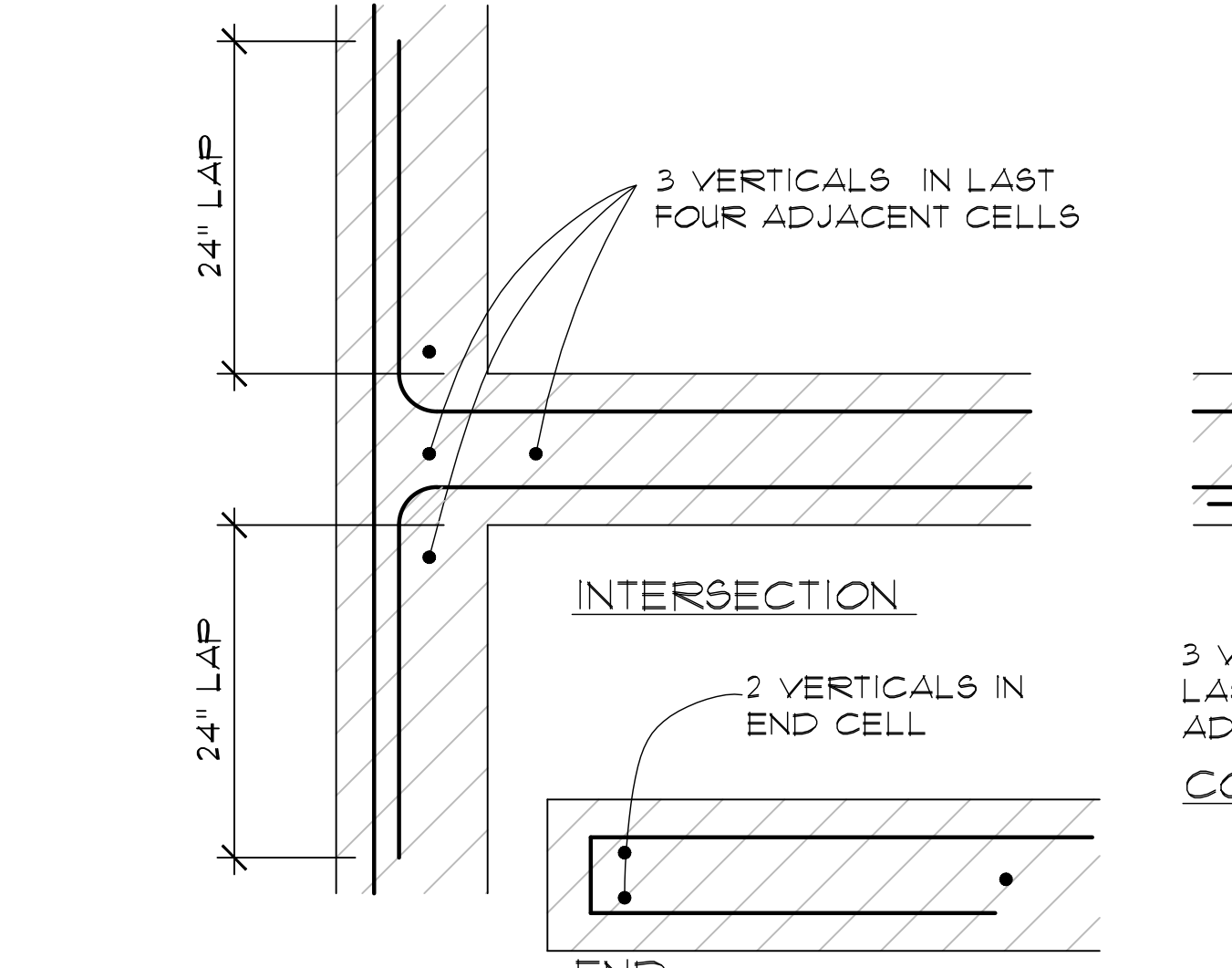
8 CONC. CURB @ "STACK-BACKS"
3/4" SCALE



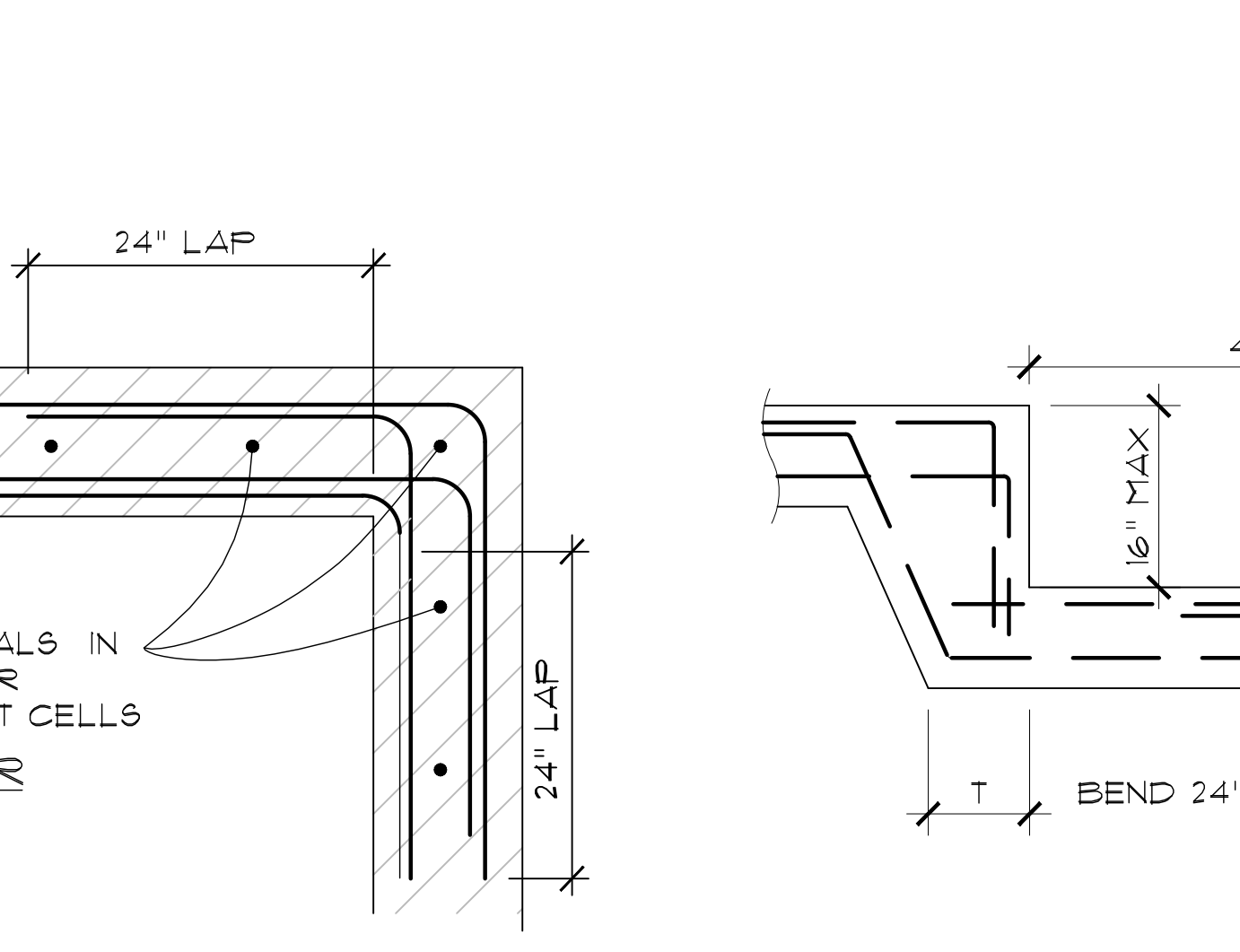
9 TYPICAL SLAB ON GRADE DETAILS
NOT TO SCALE



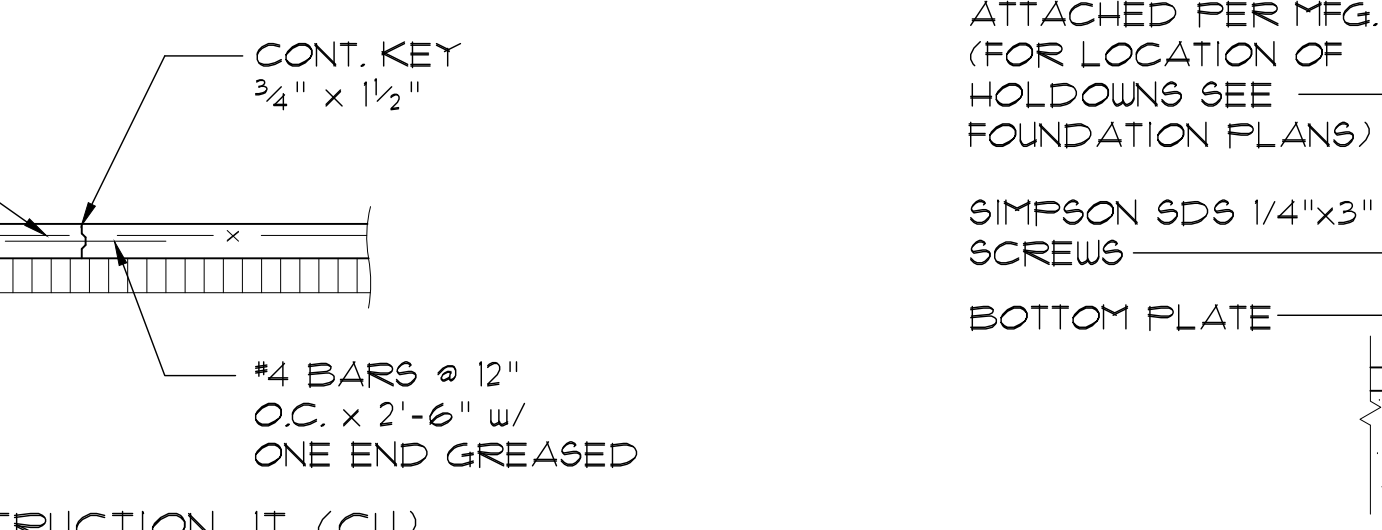
10 INTERIOR SIMPSON "HDU" DETAILS
SCALE: 3/4" = 1'-0"



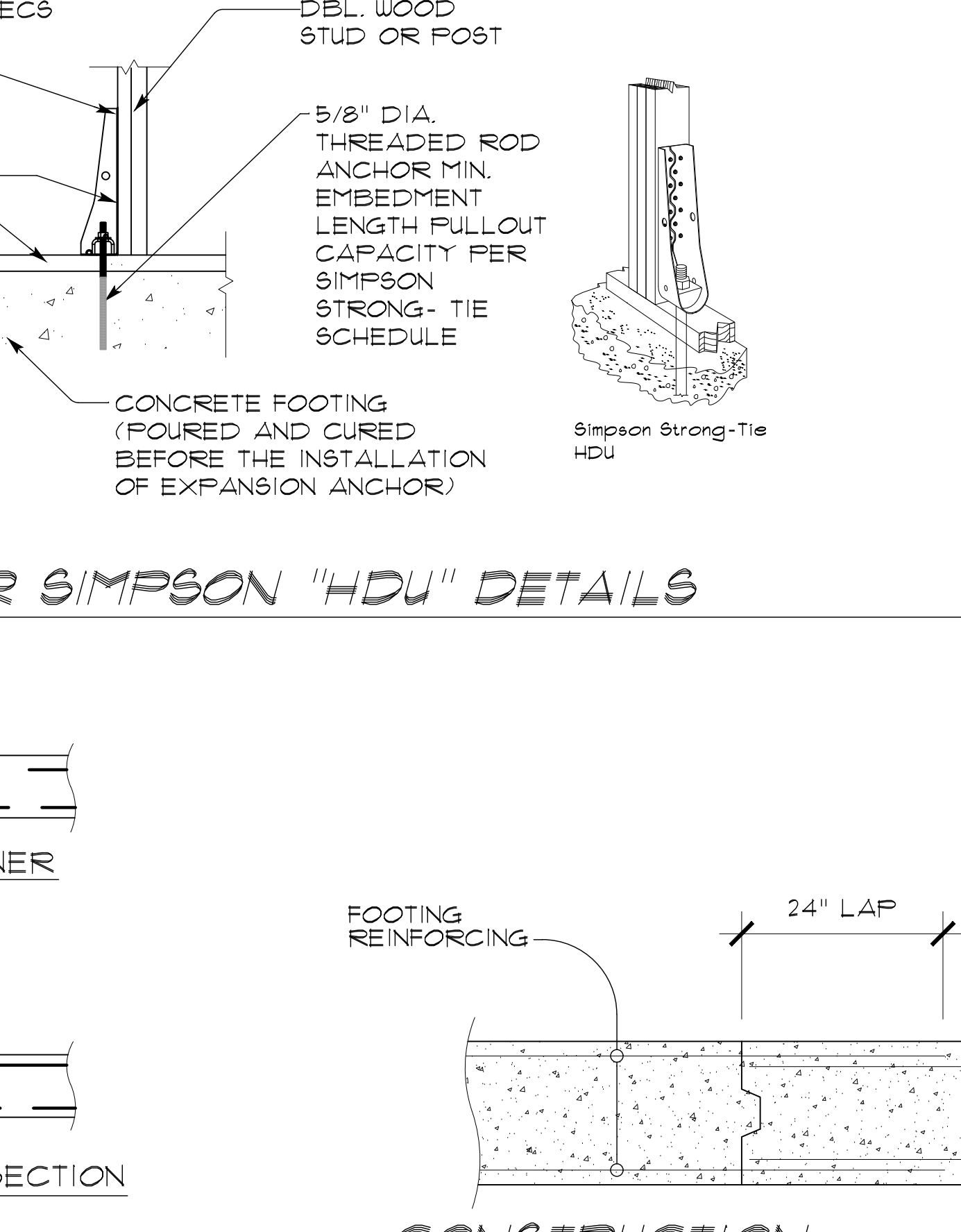
11 TYPICAL CMU WALL INTERSECTION DETAIL
NOT TO SCALE



12 TYP. STEP FOOTING/
NOT TO SCALE



13 CONSTRUCTION DETAIL @ FTG
NOT TO SCALE



14 CONSTRUCTION DETAIL @ FTG
NOT TO SCALE

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JULY 19, 2024
CLIENT REVISIONS

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No. 7350
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my supervision.

Signature _____
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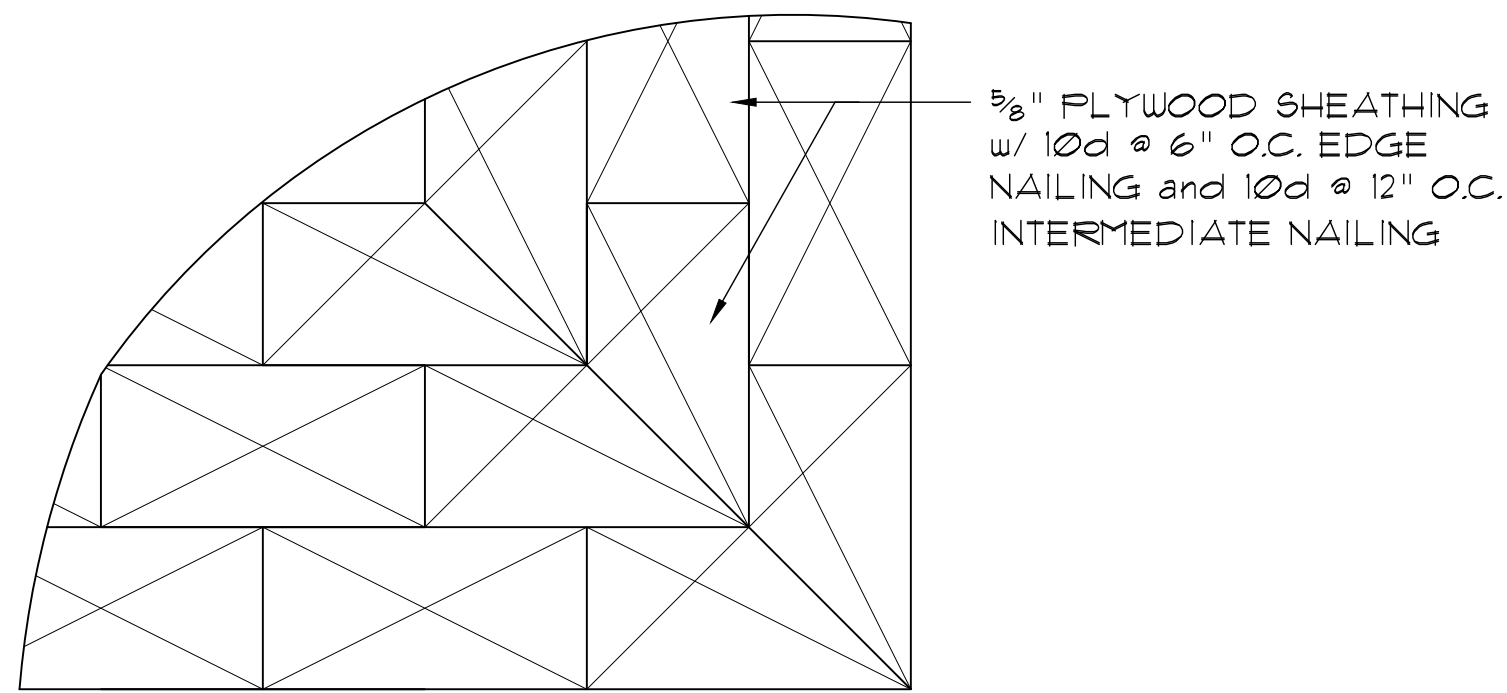
STANDARD STRUCTURAL DETAILS

PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE: SEPT. 29, 2023
SCALE: NOTED
DRAWN: MVC/SV
JOB:
SHEET:

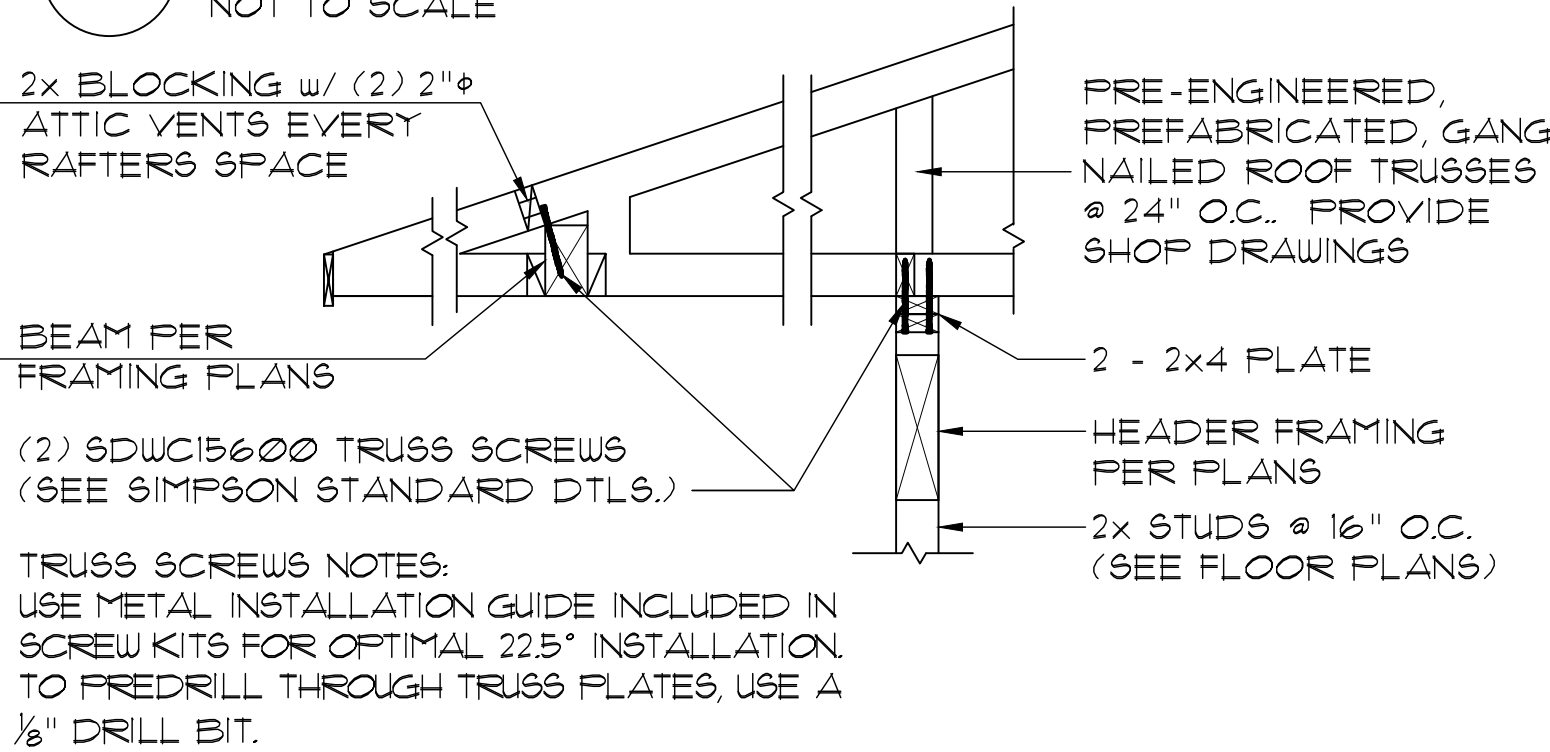
S4

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1 TYPICAL PLYWOOD SHEATHING AT ROOF

NOT TO SCALE

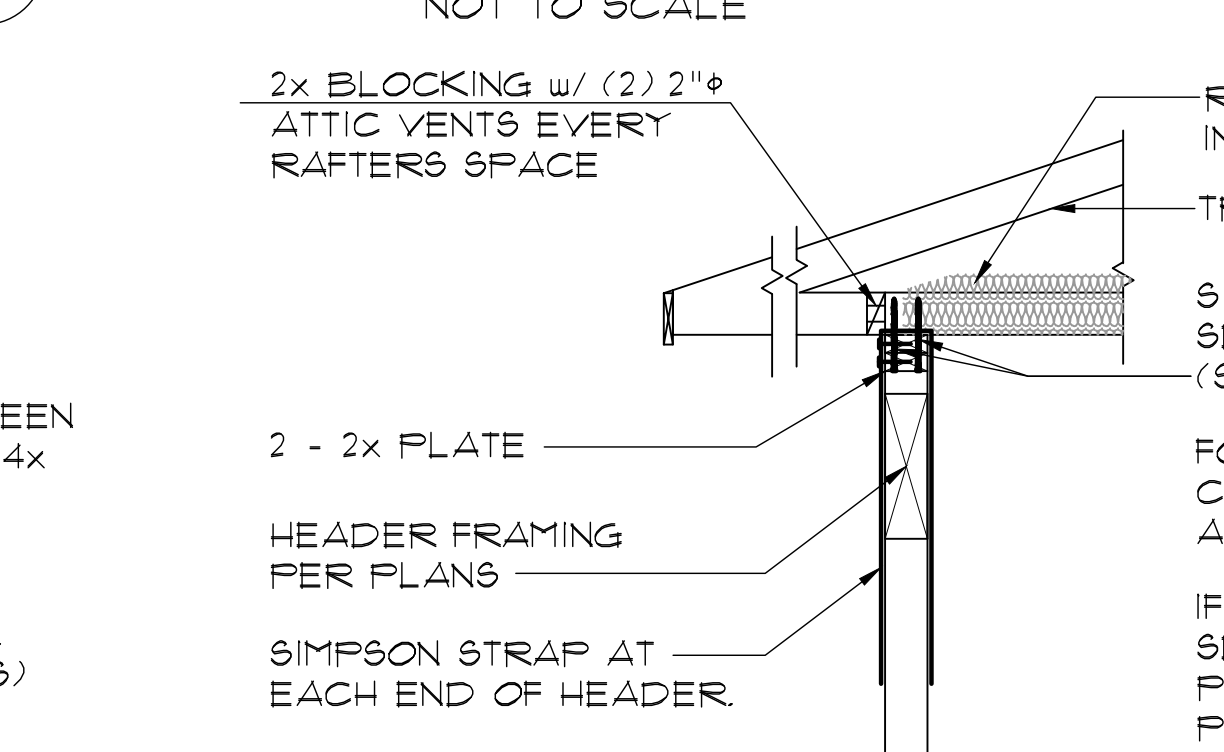


2 TYPICAL NOTCH IN BEAM or RAFTER

NOT TO SCALE

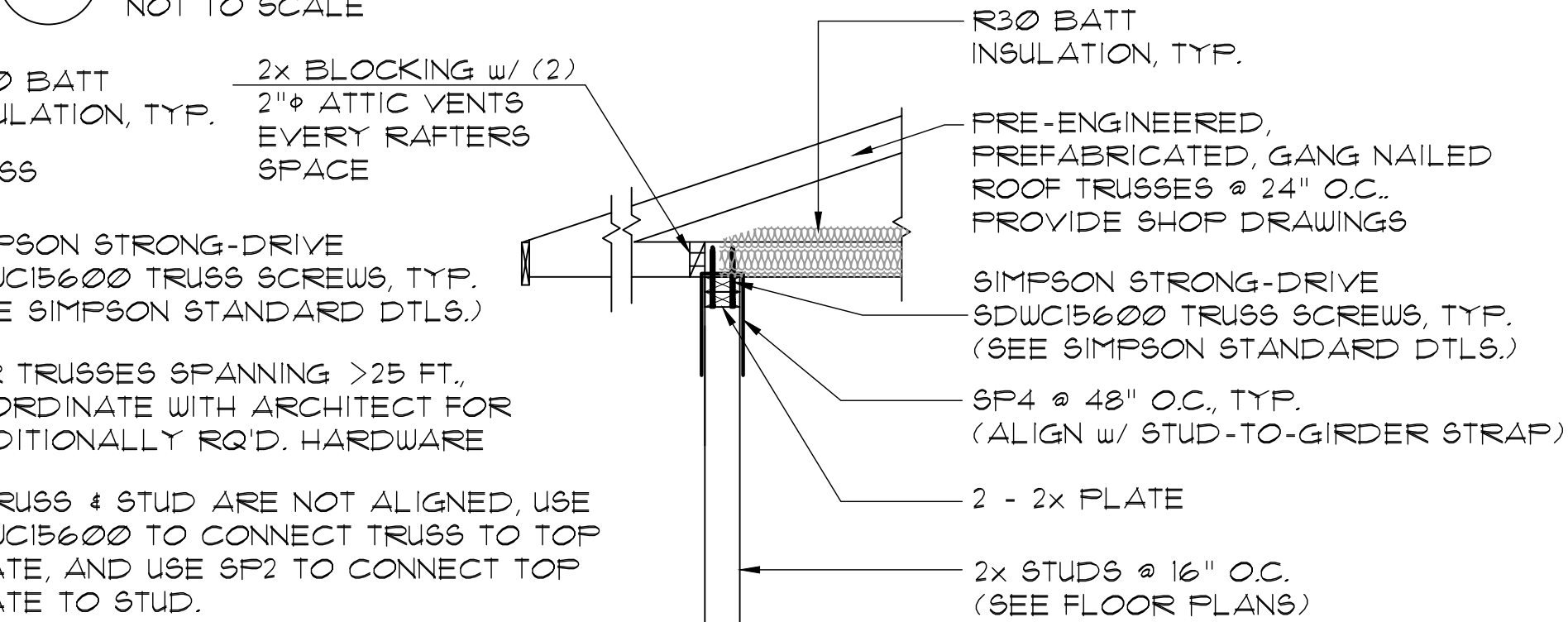
3 CS18 @ ALL BUILDING EXT. CORNERS, TYP.

NOT TO SCALE



4 TYPICAL STUD WALL CORNER and INTERSECT.

NOT TO SCALE

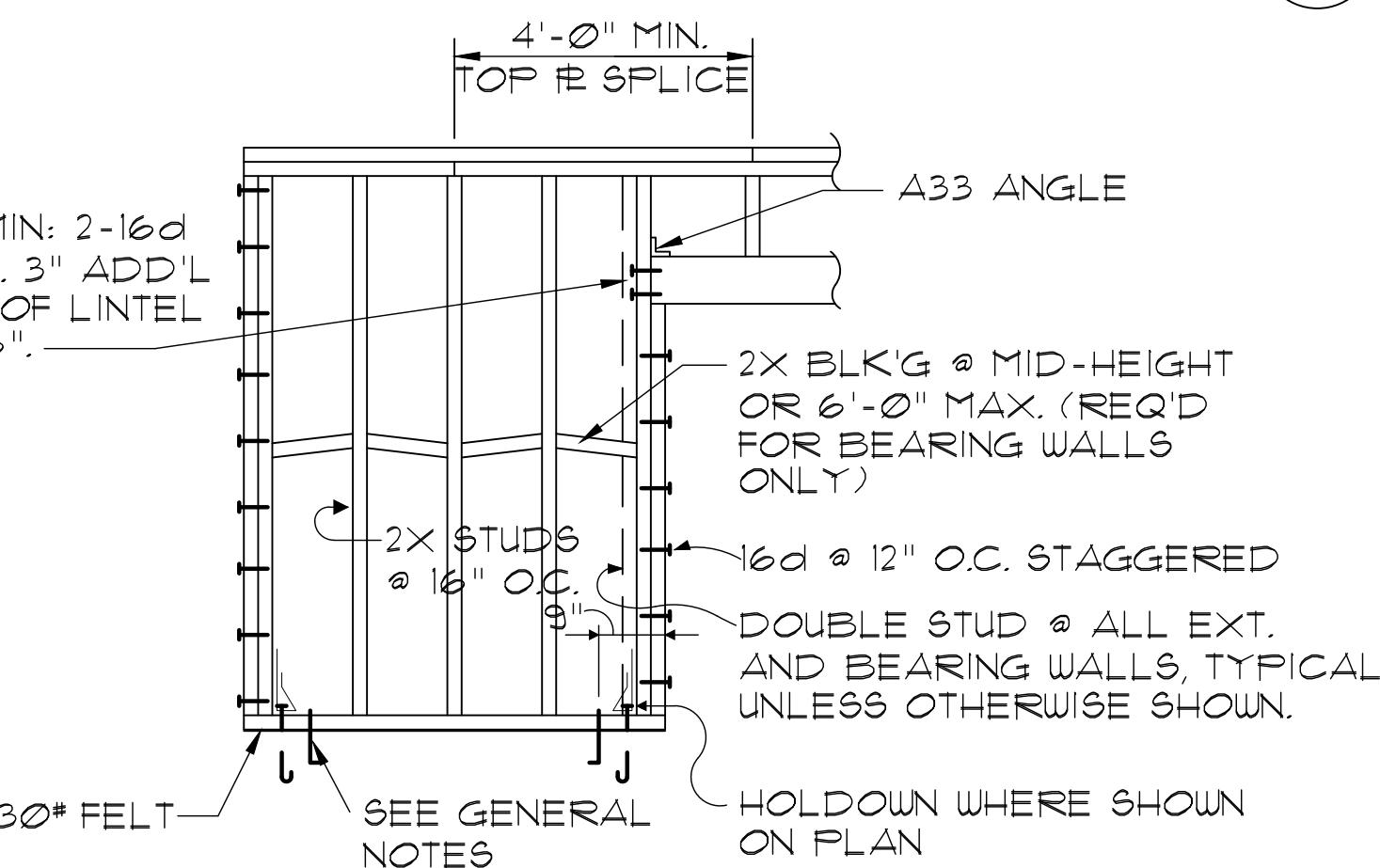


5 WALL FRAMING at BEAM

3/4\"/>

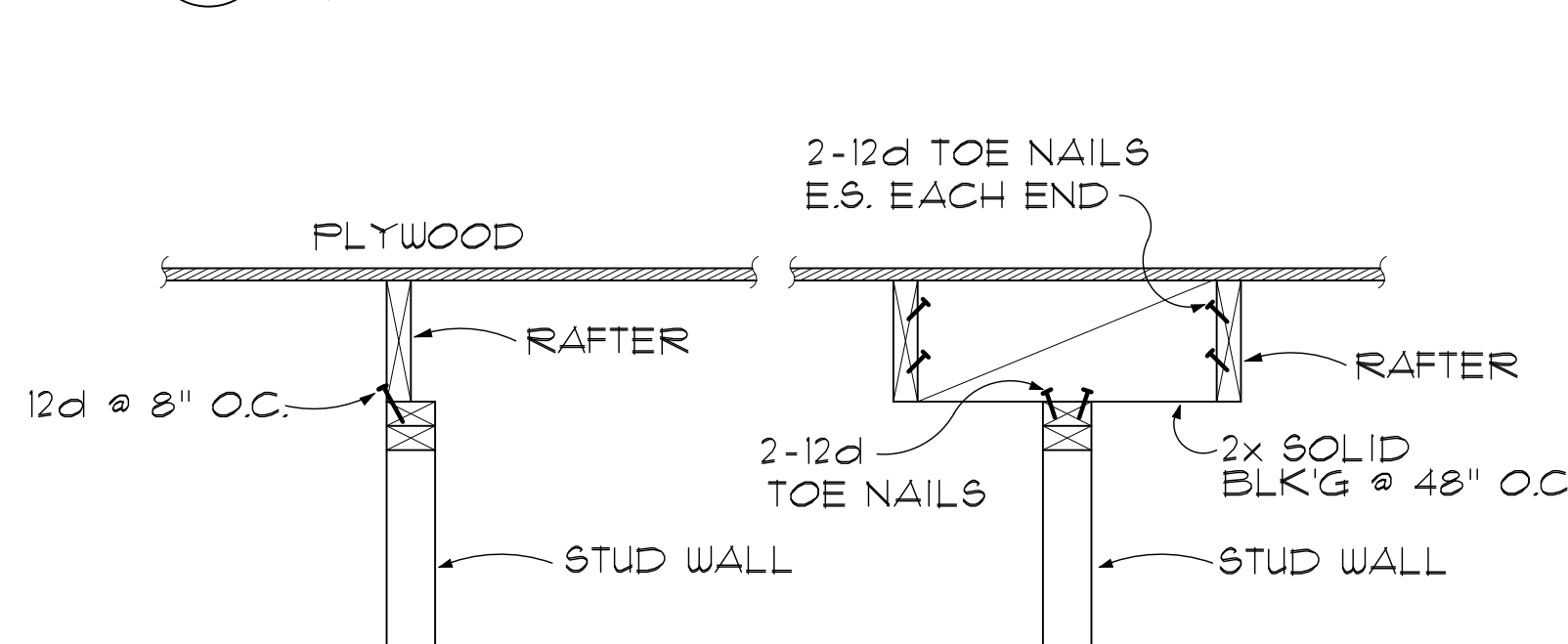
6 TYPICAL SECTION at SUPPORT and O.HANG

3/4\"/>



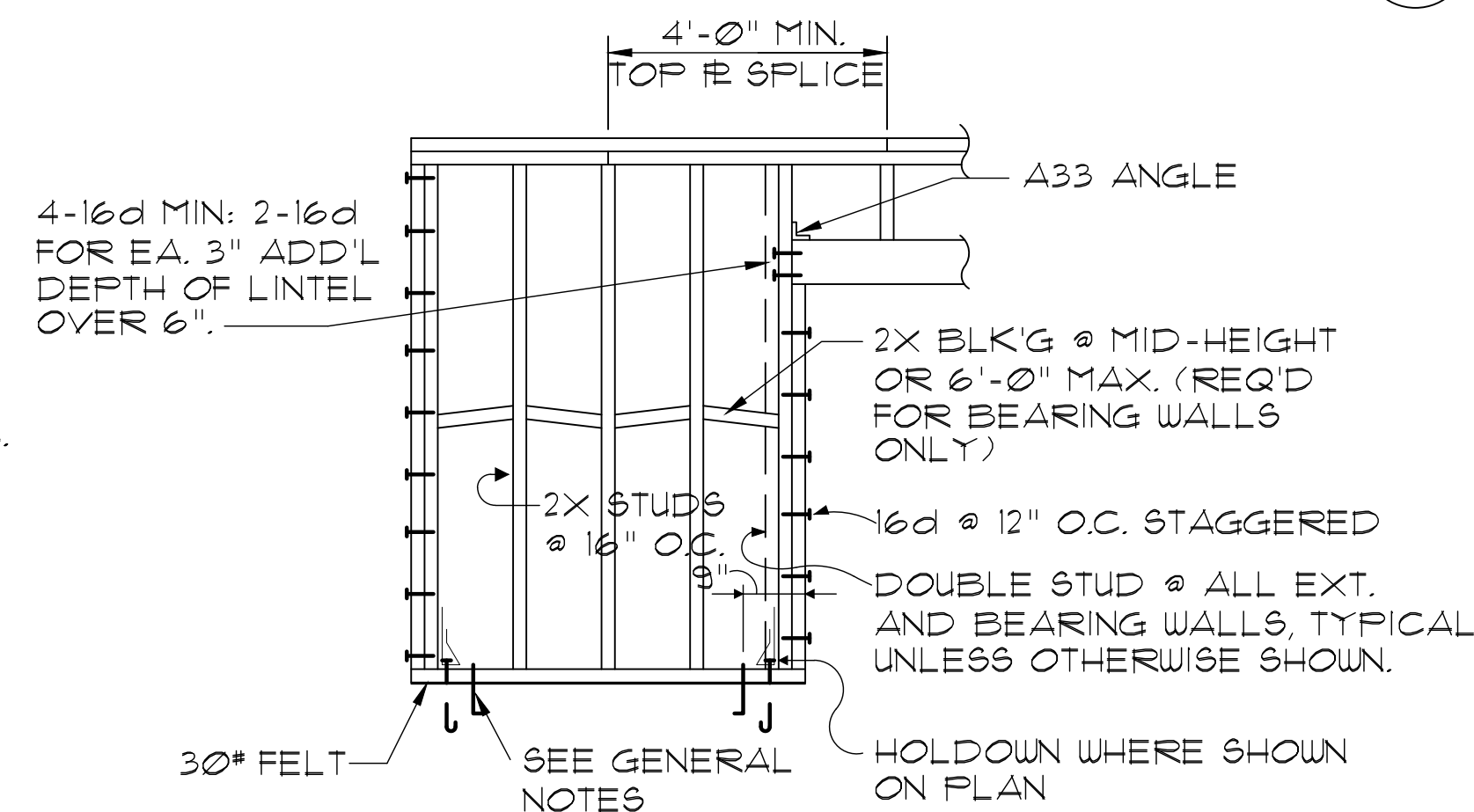
7 WALL FRAMING at TRUSSES

3/4\"/>



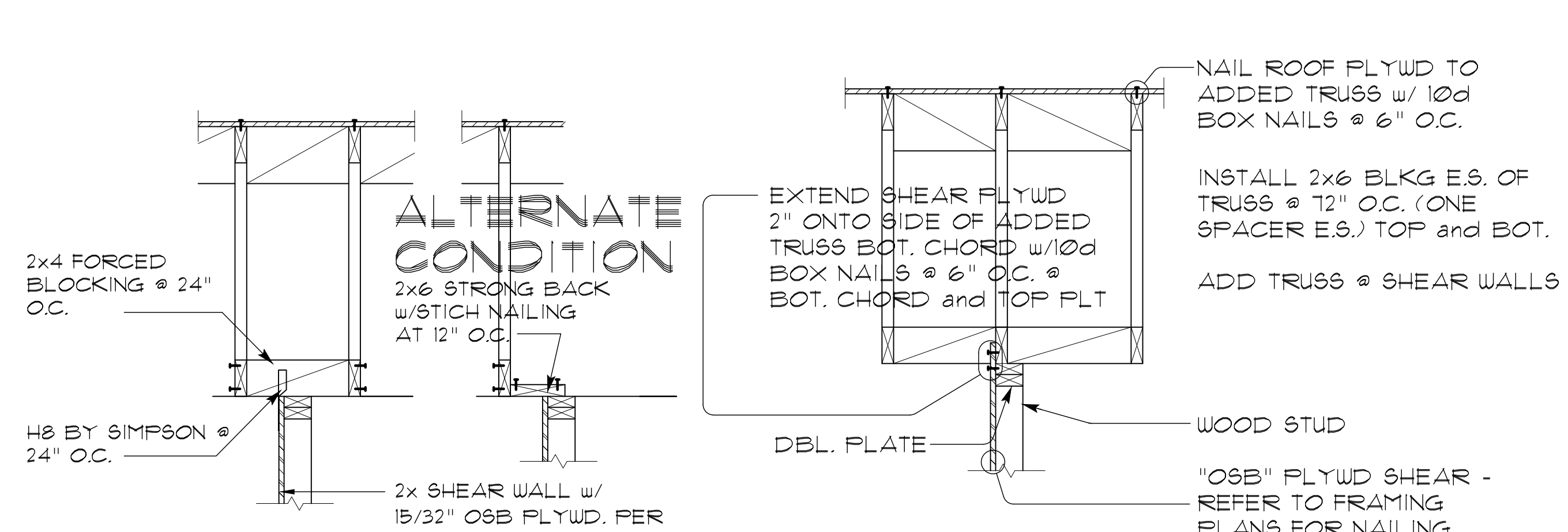
8 STUD WALL PARALLEL TO RAFTERS

3/4\"/>



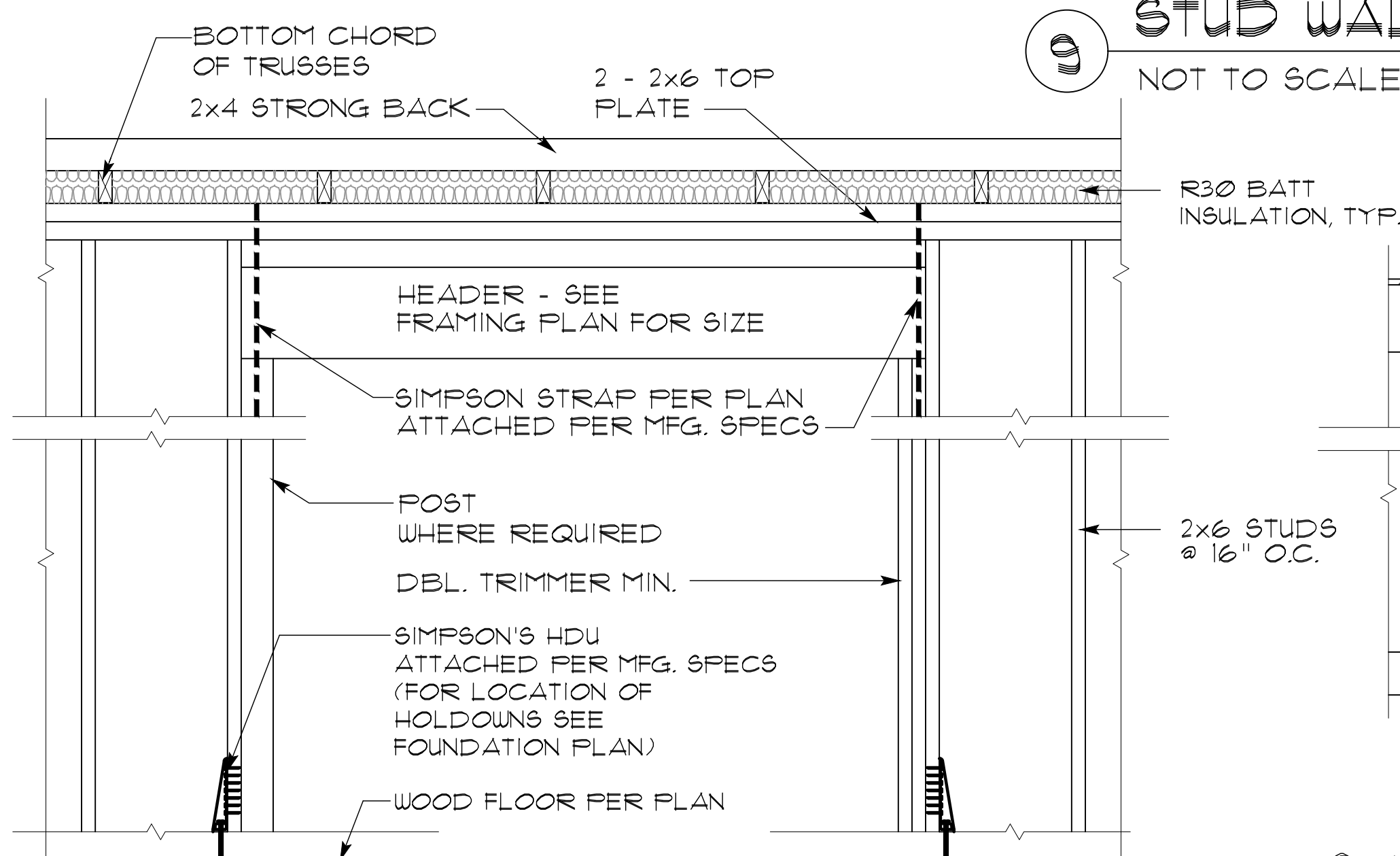
9 STUD WALL FRAMING DET.

NOT TO SCALE



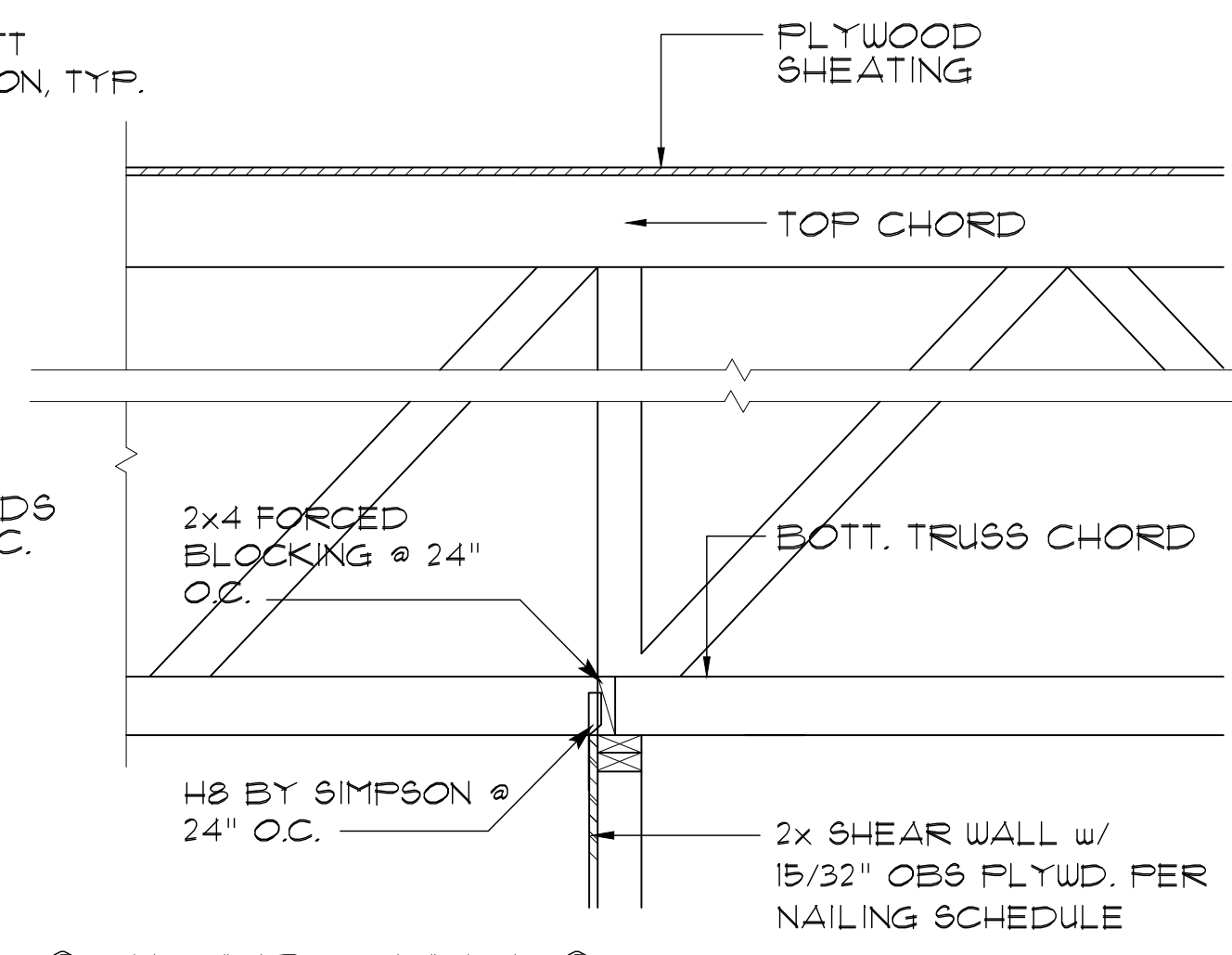
10 SHEAR WALLS PARALLEL TO TRUSSES

NOT TO SCALE



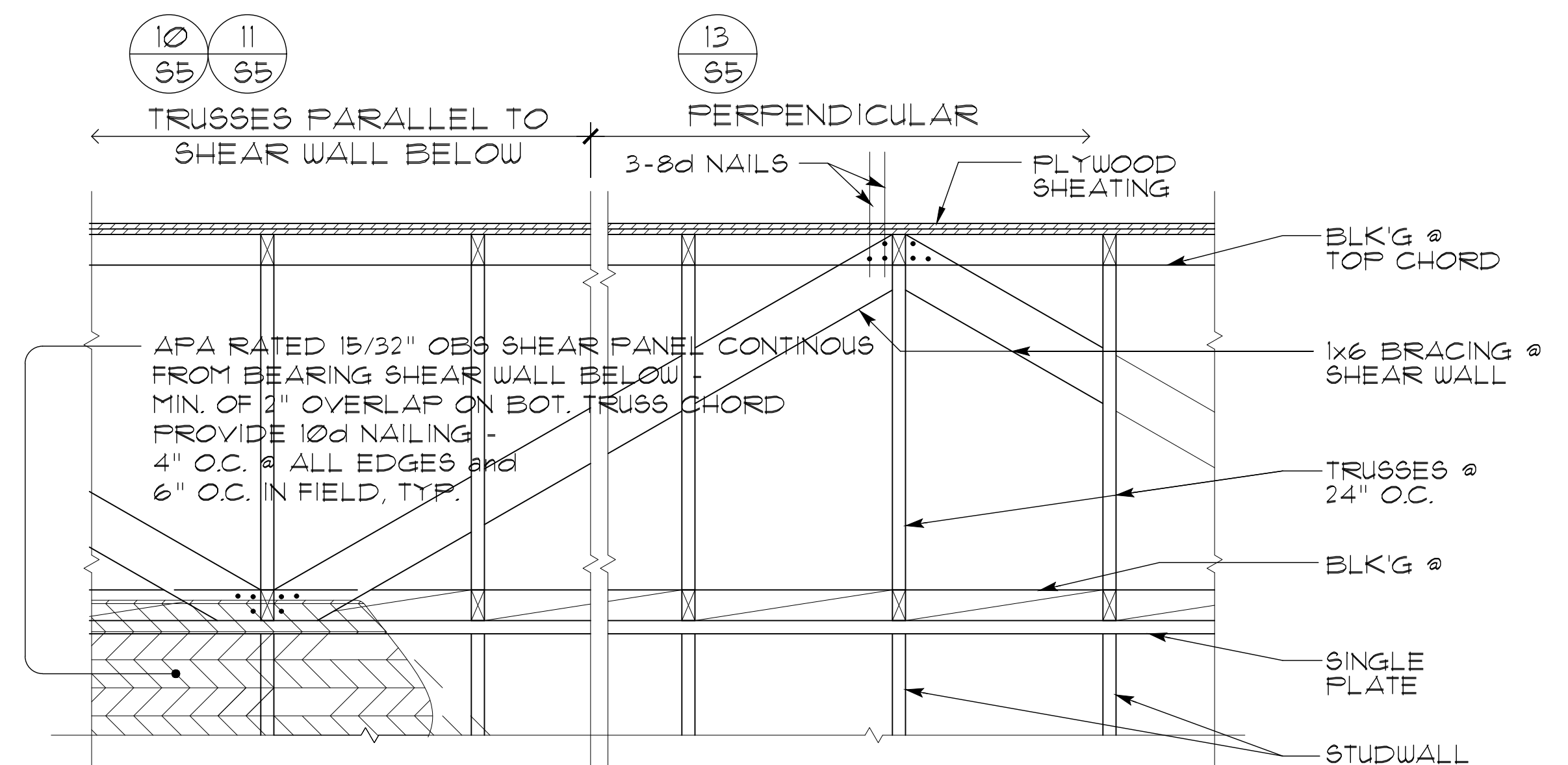
12 TYPICAL WOOD WALL FRAMING

SCALE: 3/4\"/>



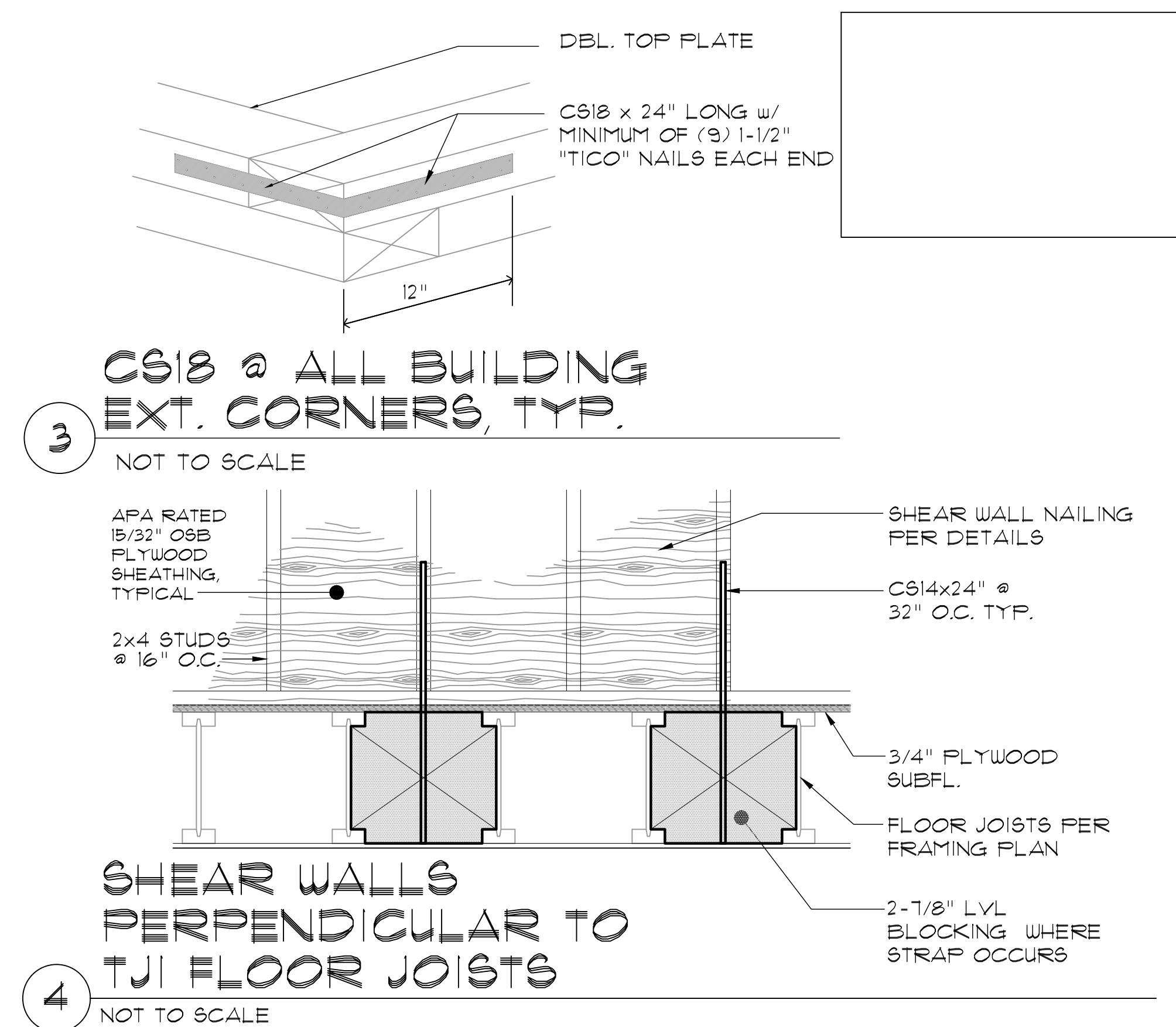
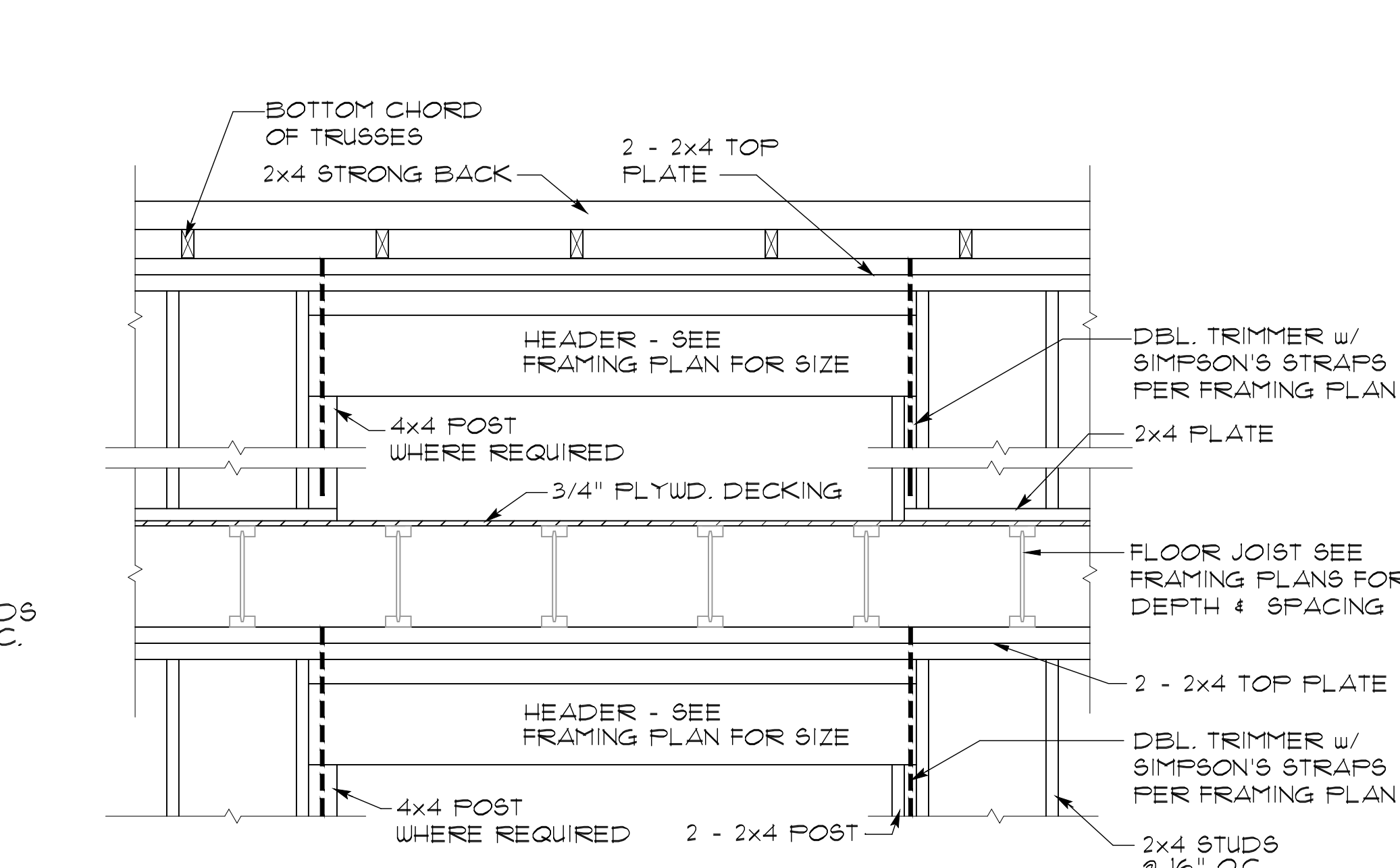
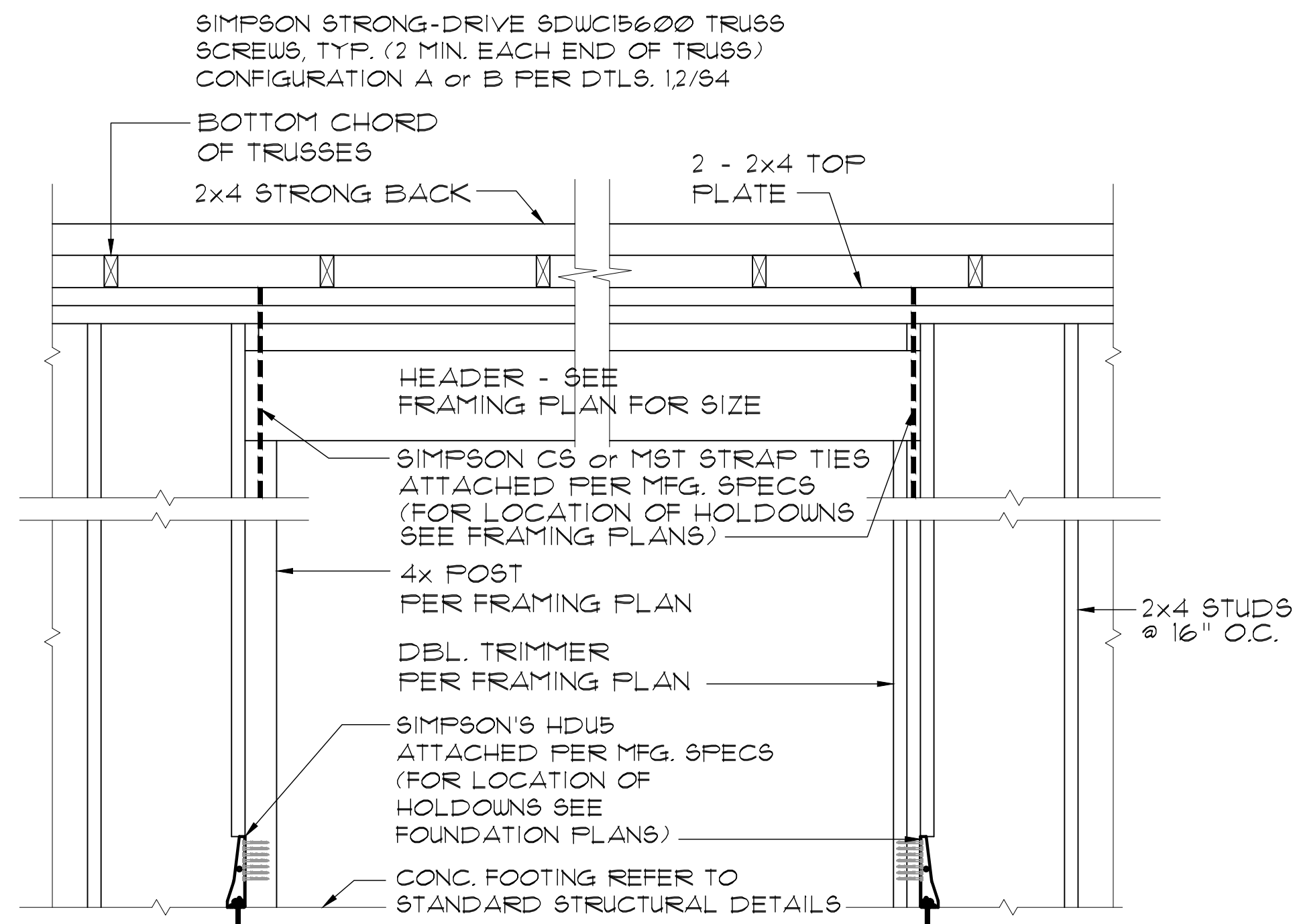
13 SHEAR WALLS PERPENDICULAR TO TRUSSES

NOT TO SCALE



14 BRACING OF TRUSSES @ SHEAR WALL

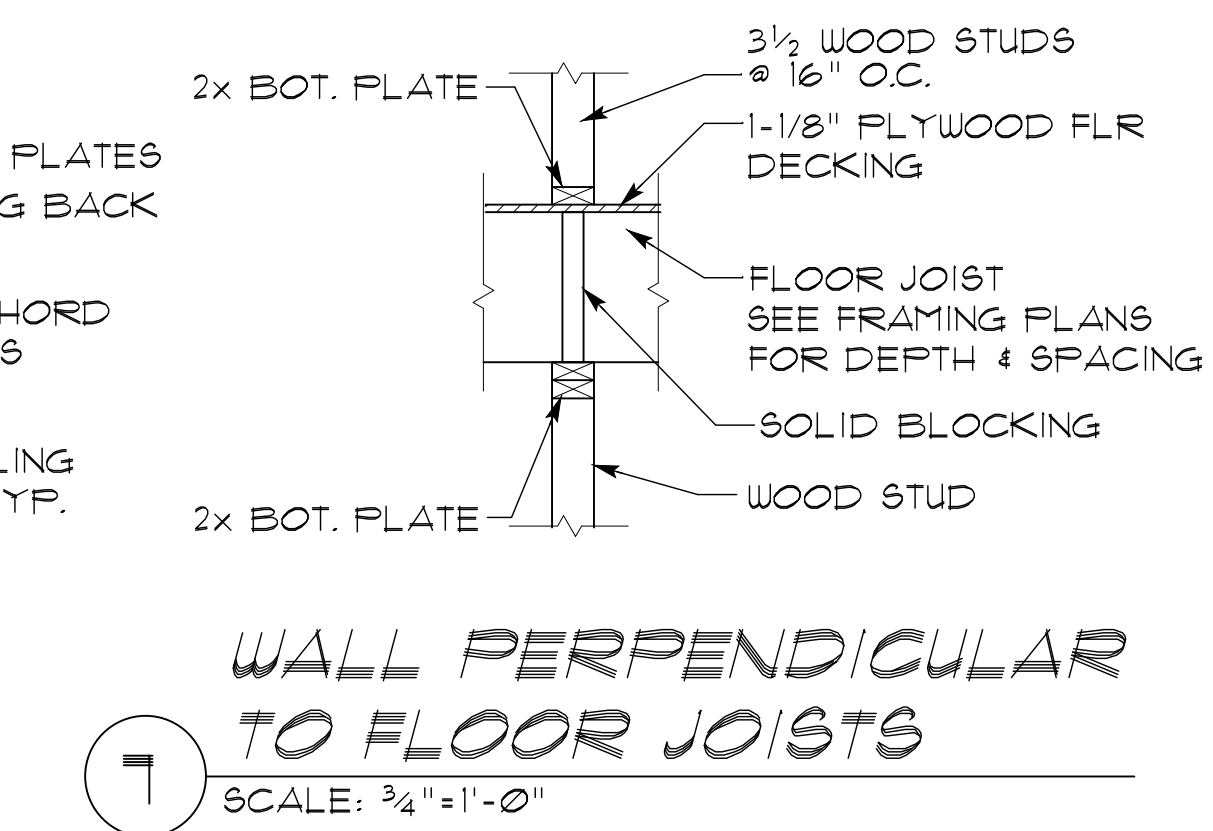
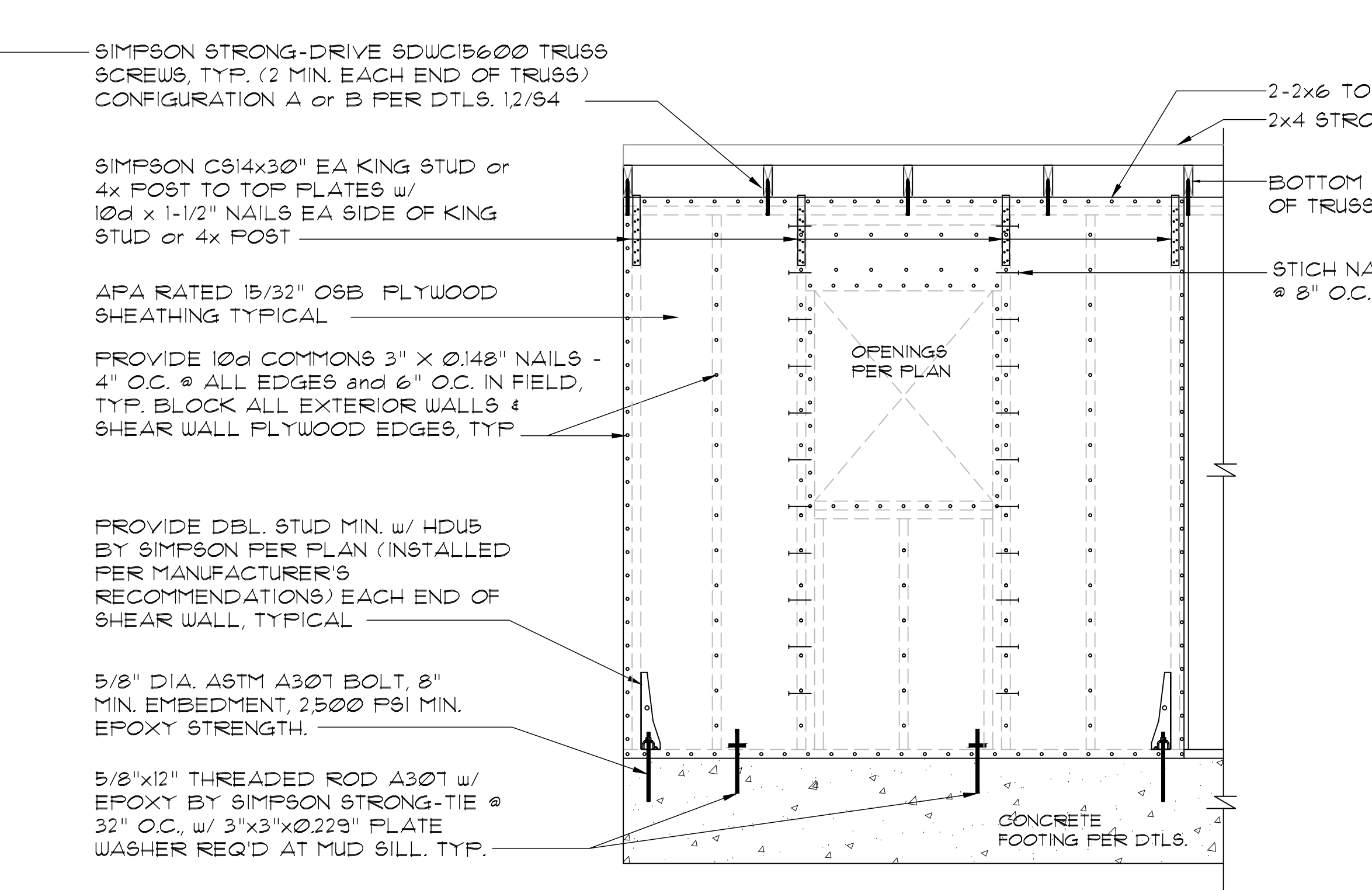
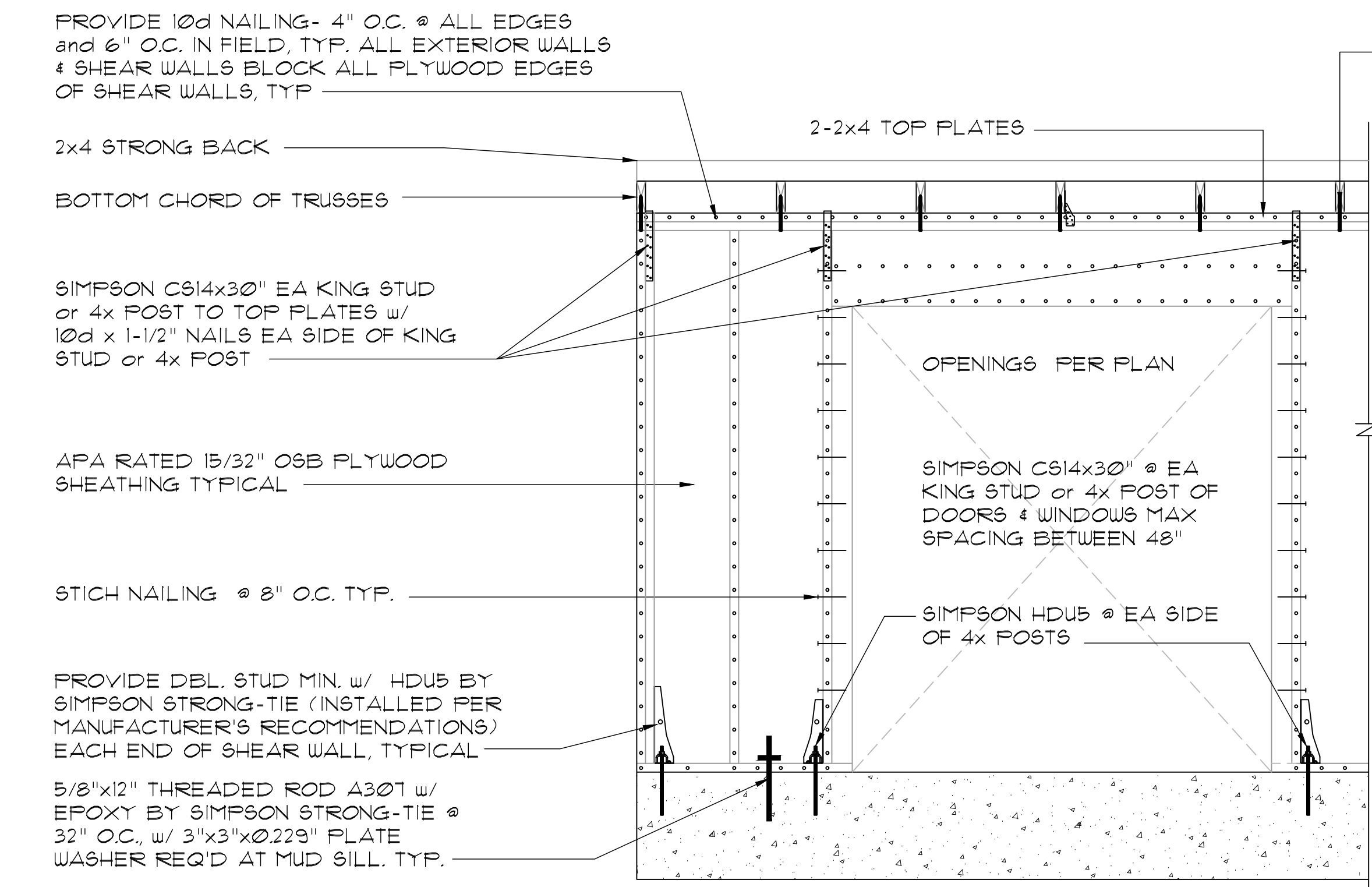
SCALE: 3/4\"/>



1 **TYPICAL WOOD WALL FRAMING AT ONE STORY**
SCALE: 3/4"=1'-0"

2 **TYPICAL WOOD WALL FRAMING AT TWO STORIES**
SCALE: 3/4"=1'-0"

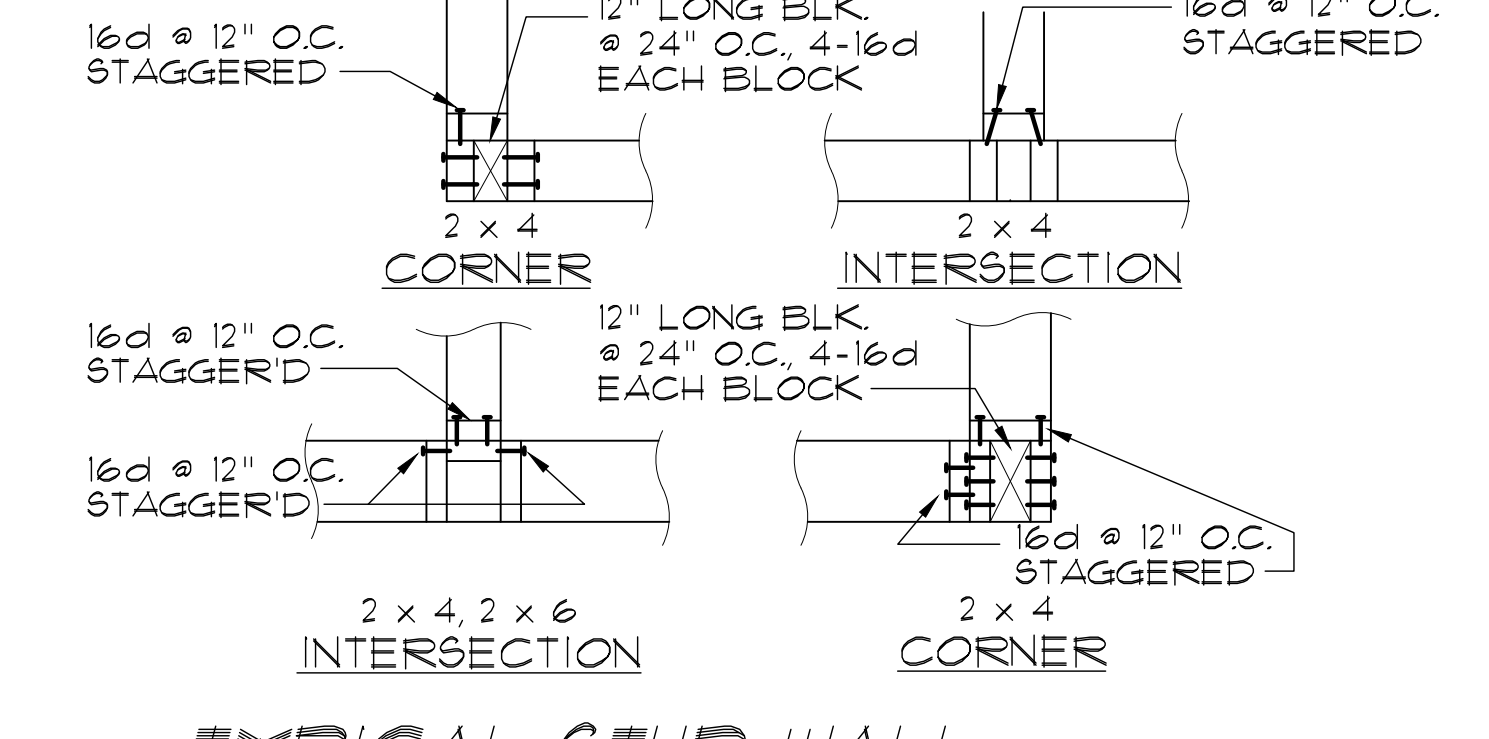
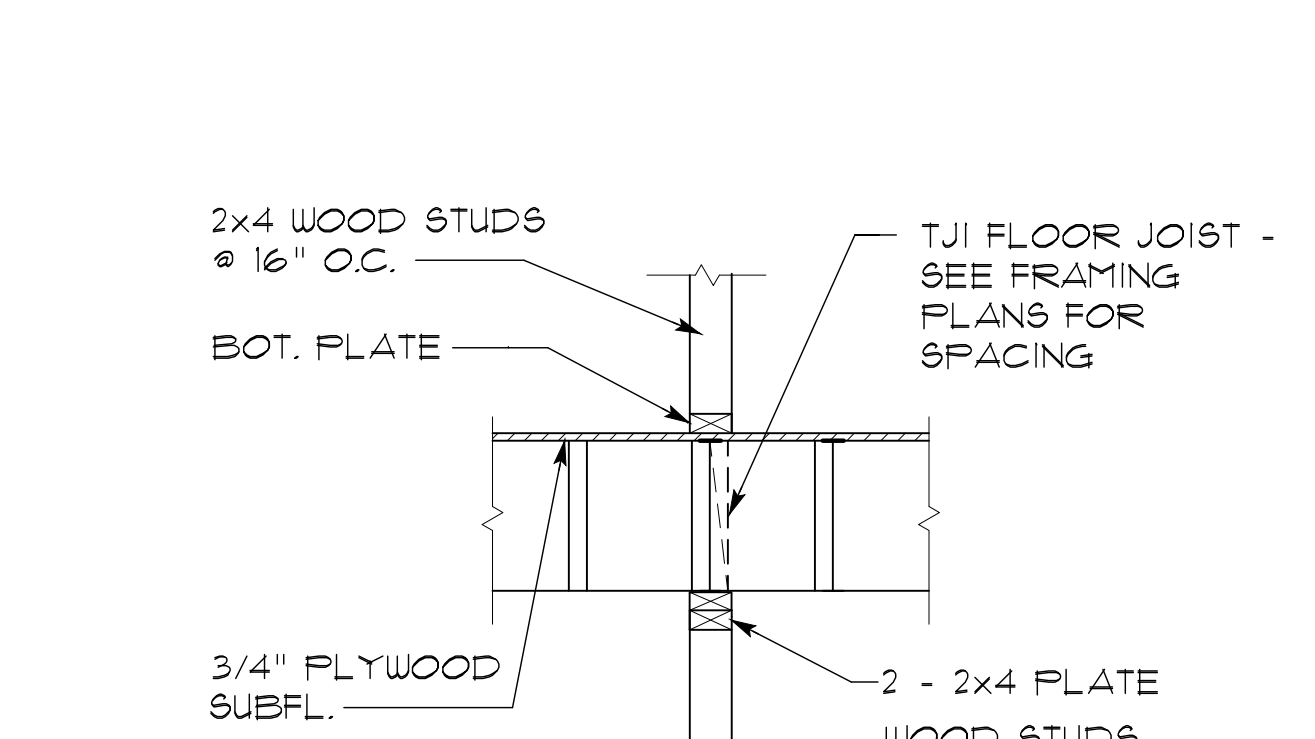
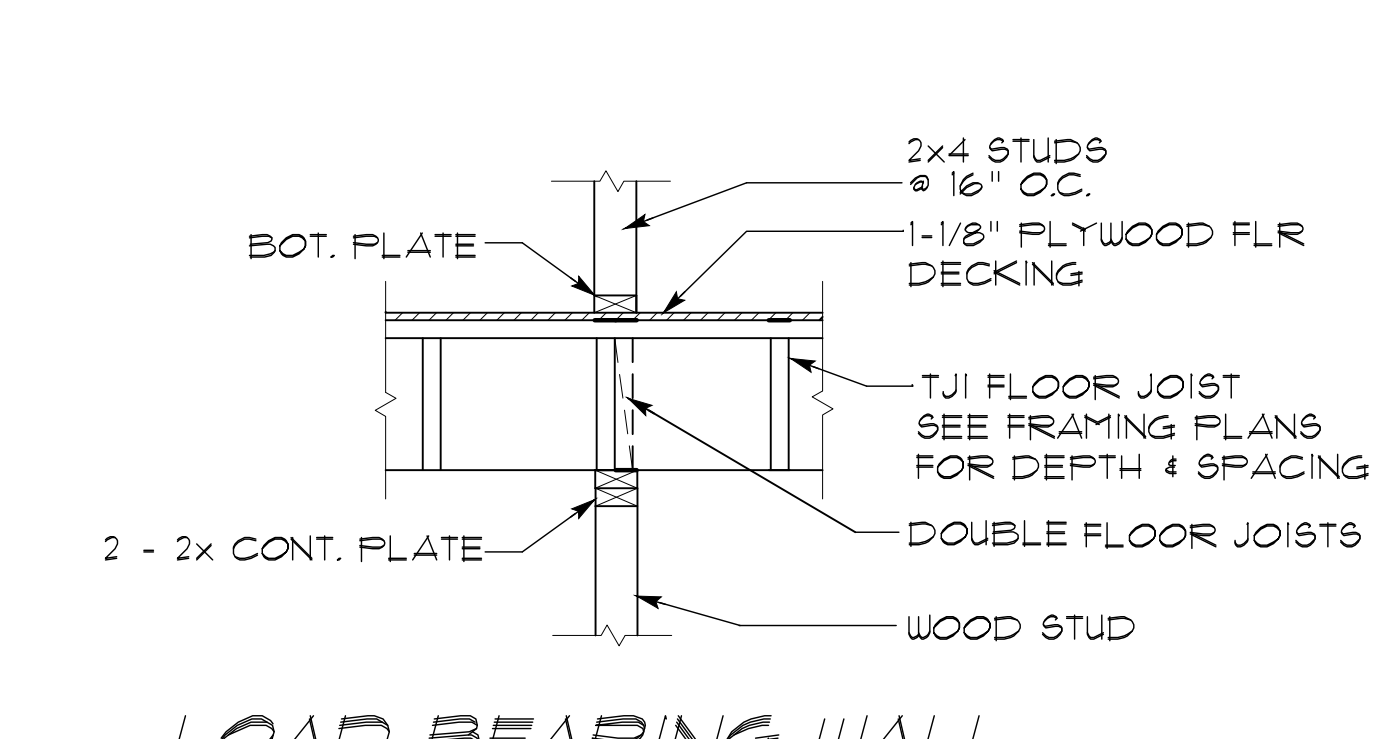
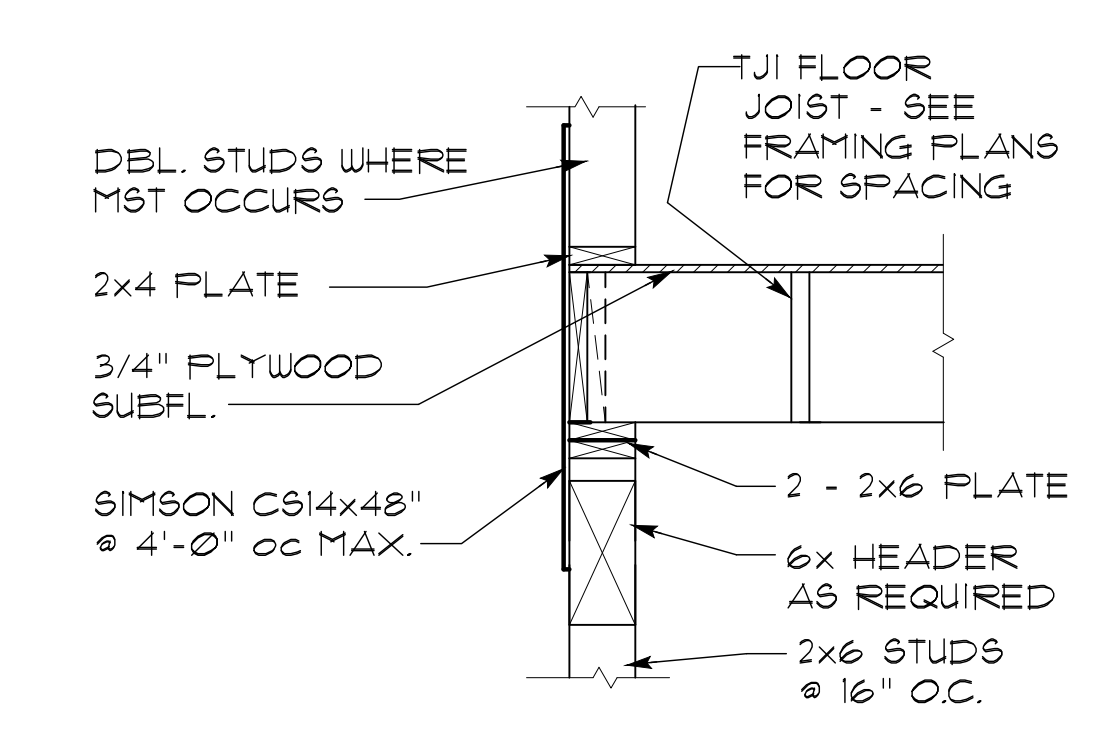
3 **CS18 @ ALL BUILDING EXT. CORNERS, TYP.**
NOT TO SCALE



5 **SINGLE STORY SHEAR WALL DETAILS (DOOR OPENINGS)**
NOT TO SCALE

6 **SINGLE STORY SHEAR WALL DTL. (WINDOW OPENINGS)**
NOT TO SCALE

7 **WALL PERPENDICULAR TO FLOOR JOISTS**
SCALE: 3/4"=1'-0"



9 **EXTERIOR WALL FRAMING**
SCALE: 3/4"=1'-0"

10 **LOAD BEARING WALL PARALLEL TO TJI FLR. JOISTS**
SCALE: 3/4"=1'-0"

11 **INTERIOR WALL FRAMING**
SCALE: 3/4"=1'-0"

12 **TYPICAL STUD WALL CORNER and INTERSECT.**
NOT TO SCALE

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JULY 19, 2024
CLIENT REVISIONS

MARTIN V. COOPER
LICENSED PROFESSIONAL ARCHITECT
No. 7350
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my observation.

Signature: *[Signature]*
License expires on 04/30/2026

STRUCTURAL DETAILS

PROPOSED NEW RESIDENCE FOR:

EDER RESIDENCE

MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII

T.M.K.: (2) 4 - 2 - 010 : 032

DATE: SEPT. 29, 2023

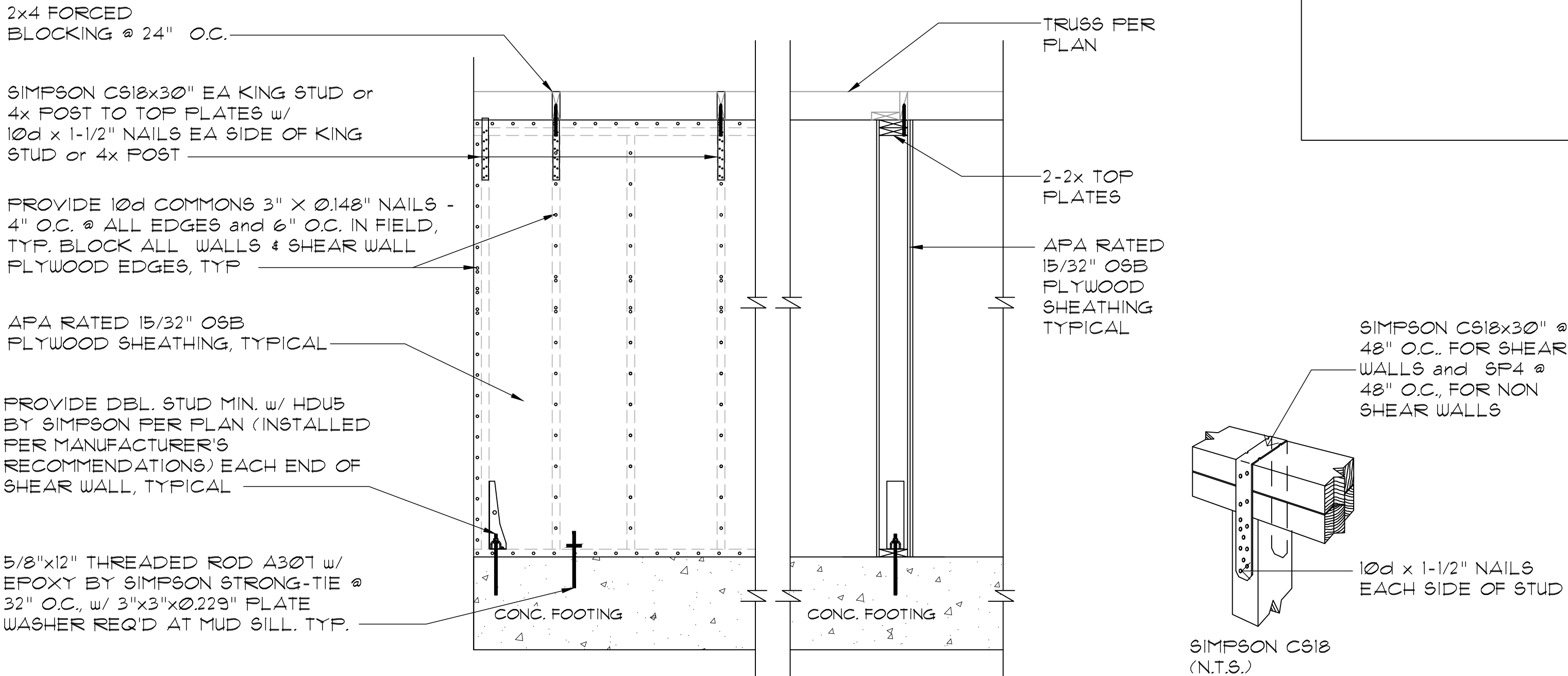
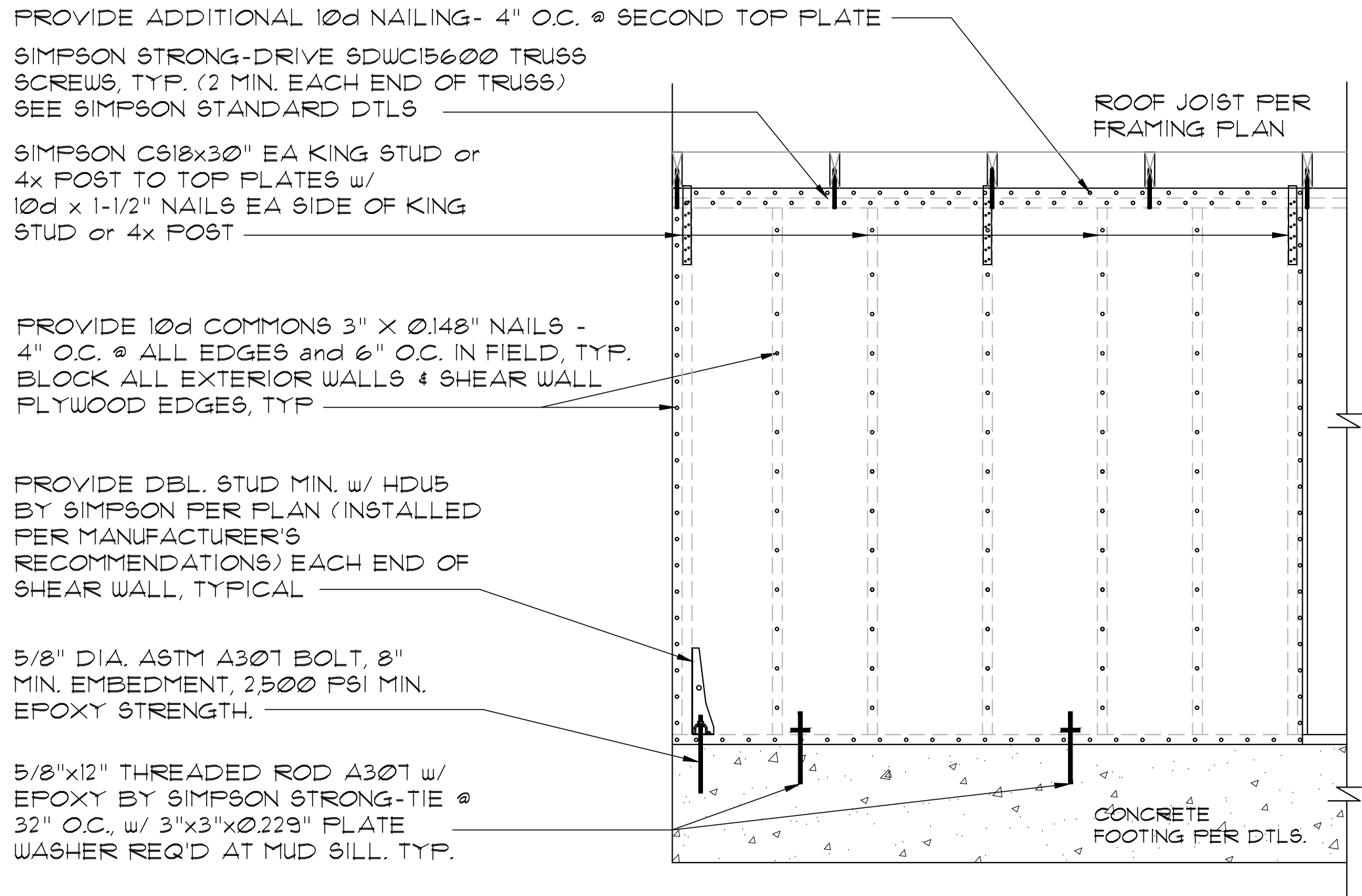
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DRAWN: MVC/SV

JOB:

SHEET:

S6



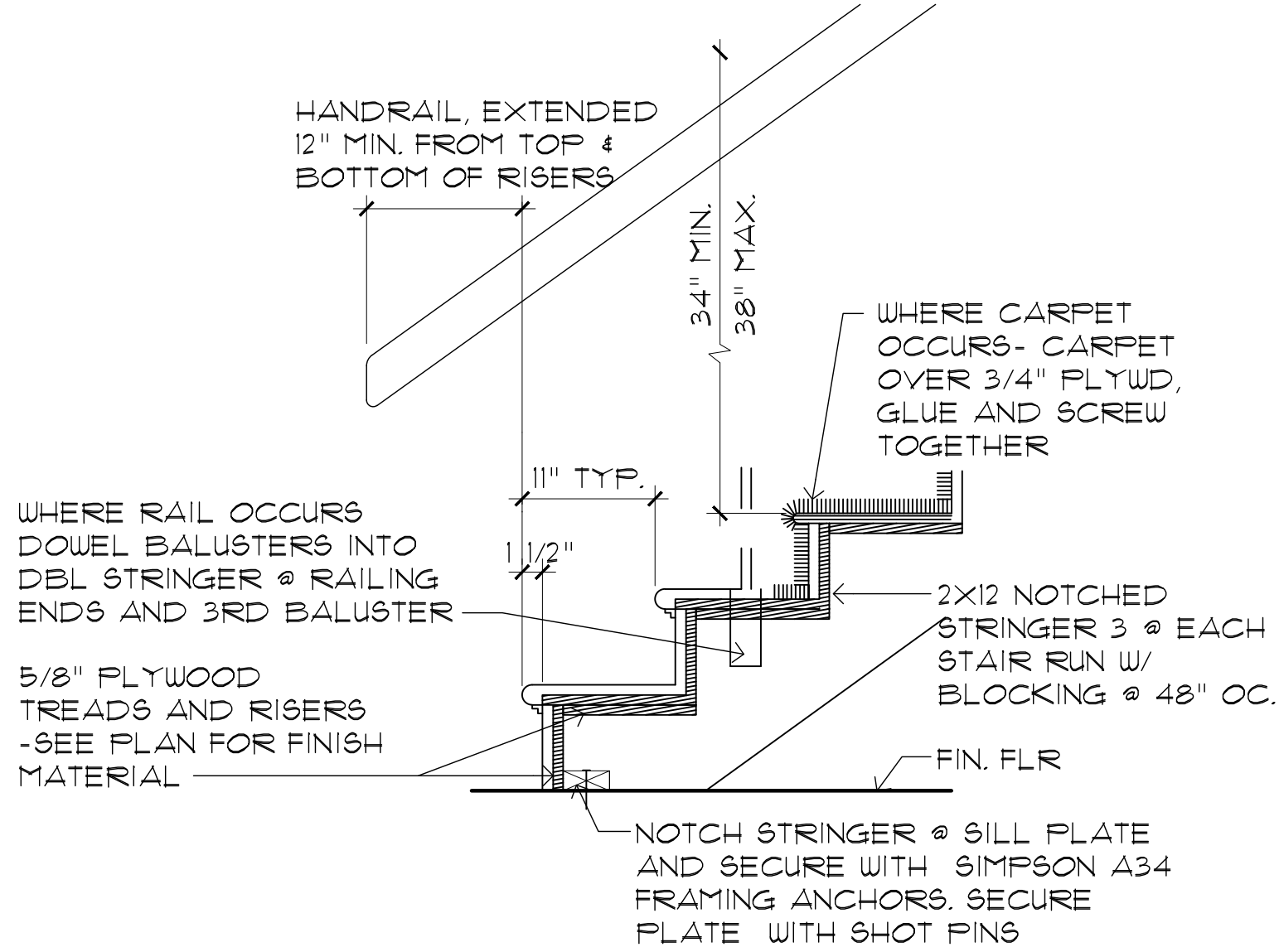
1 EXTERIOR WALL FRAMING DETAIL

NOTE:
CONTRACTOR SHALL ENSURE THAT ALL ROOF MEMBERS, BEAMS, COLUMNS, ETC SHALL HAVE A COMPLETE LOAD PATH TO FOUNDATION AS PER IBC 2018.

NOT TO SCALE

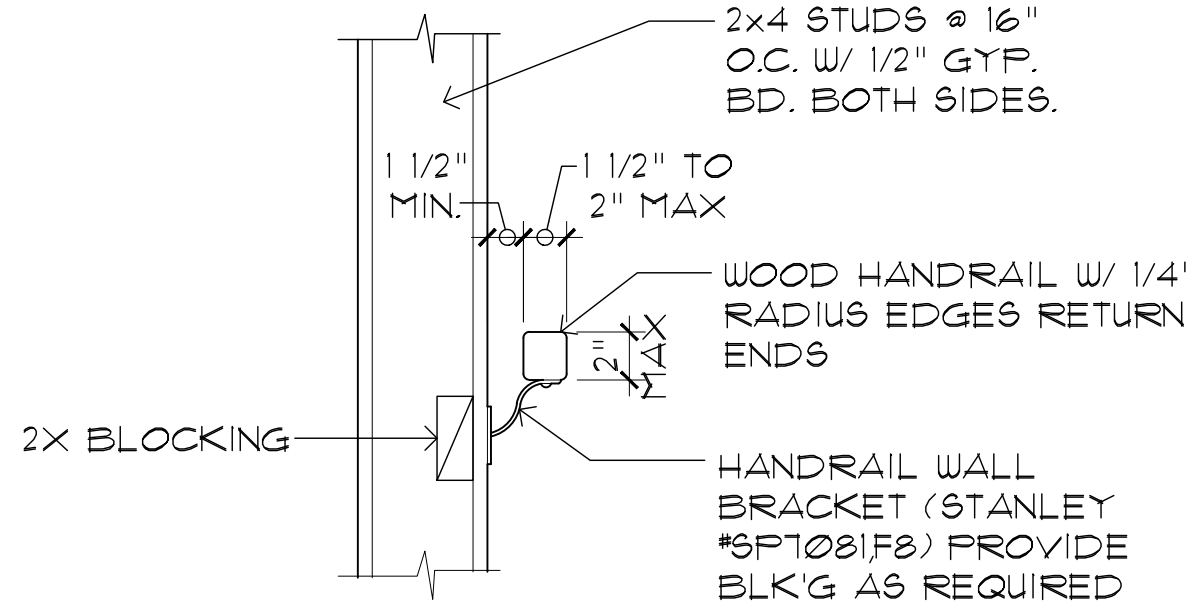
2 INTERIOR SHEAR WALL DETAILS

NOT TO SCALE



5 STRINGER @ FLOOR

SCALE 1 1/2" : 1' - 0"



4 STAIR RAIL DTL.

NOT TO SCALE

SIMPSON C518x30" EA KING STUD or 4x POST TO TOP PLATES w/ 10d x 1-1/2" NAILS EA SIDE OF KING STUD or 4x POST

APA RATED 15/32" OSB PLYWOOD SHEATHING TYPICAL

PROVIDE 10d NAILING- 4" O.C. @ ALL EDGES and 6" O.C. IN FIELD, TYP.

PROVIDE DBL. STUD MIN. w/ HDU5 BY SIMPSON STRONG-TIE (INSTALLED PER MANUFACTURER'S RECOMMENDATIONS) EACH END OF SHEAR WALL, TYPICAL

APA RATED 15/32" OSB PLYWOOD SHEATHING TYPICAL

PROVIDE 10d NAILING- 4" O.C. @ ALL EDGES and 6" O.C. IN FIELD, TYP.

PROVIDE DBL. STUD MIN. w/ HDU5 BY SIMPSON STRONG-TIE (INSTALLED PER MANUFACTURER'S RECOMMENDATIONS) EACH END OF SHEAR WALL, TYPICAL

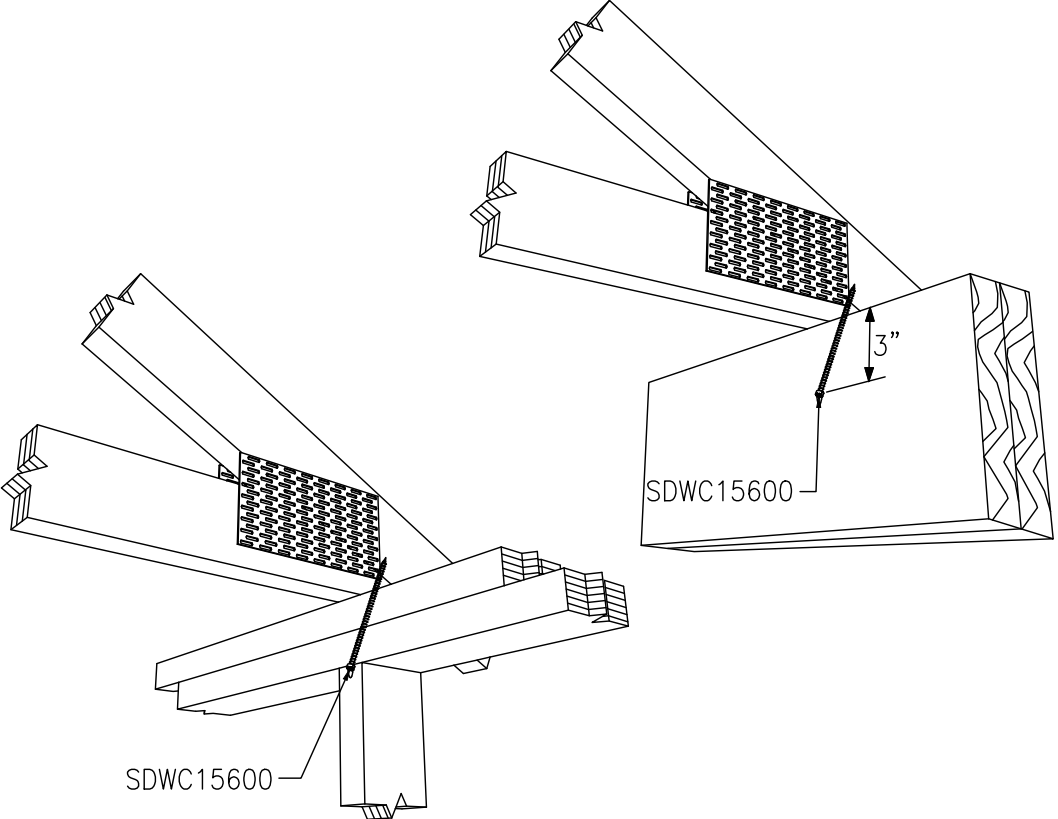
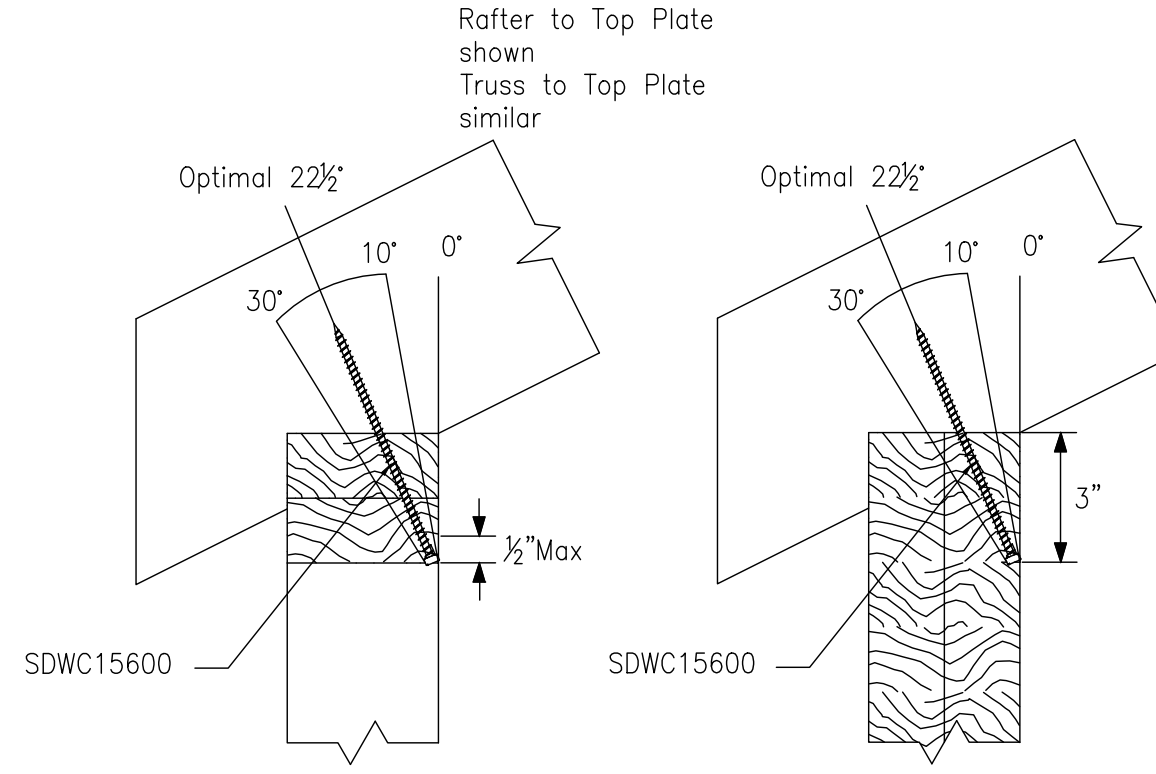
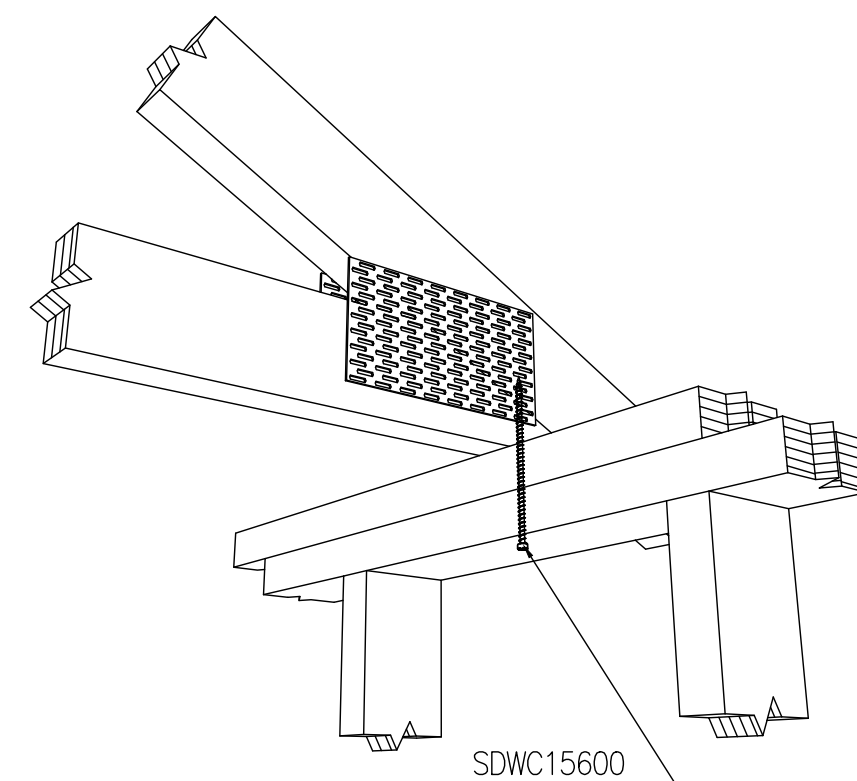
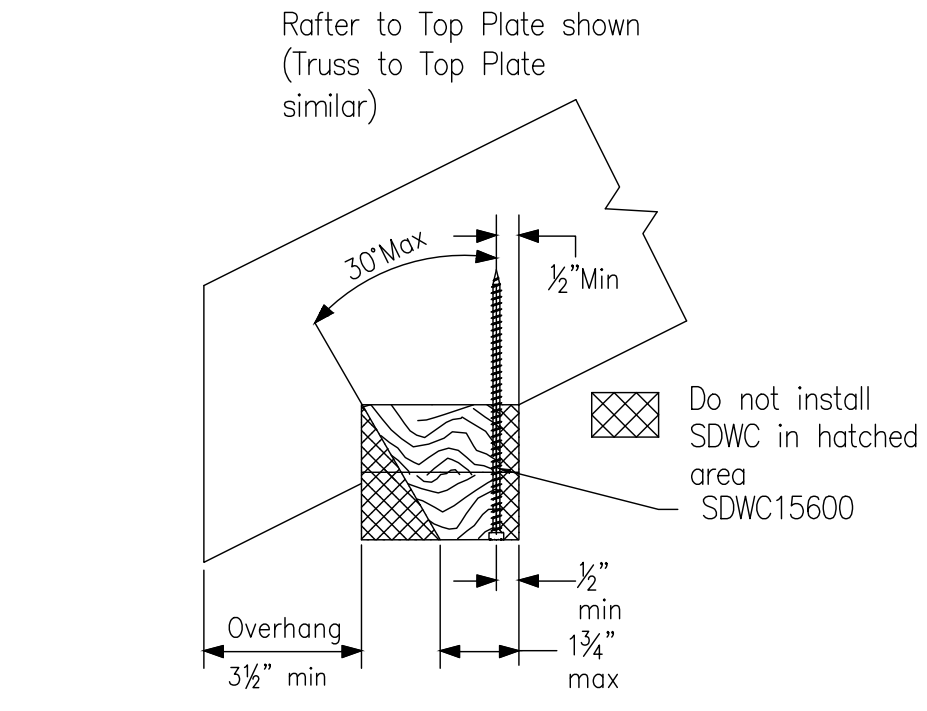
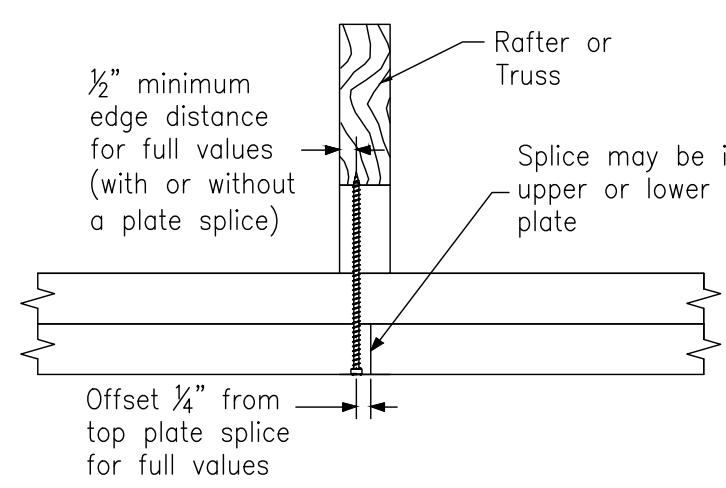
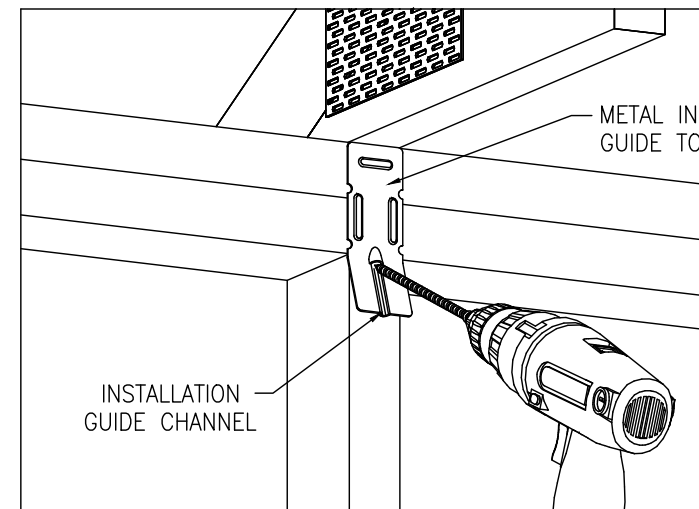
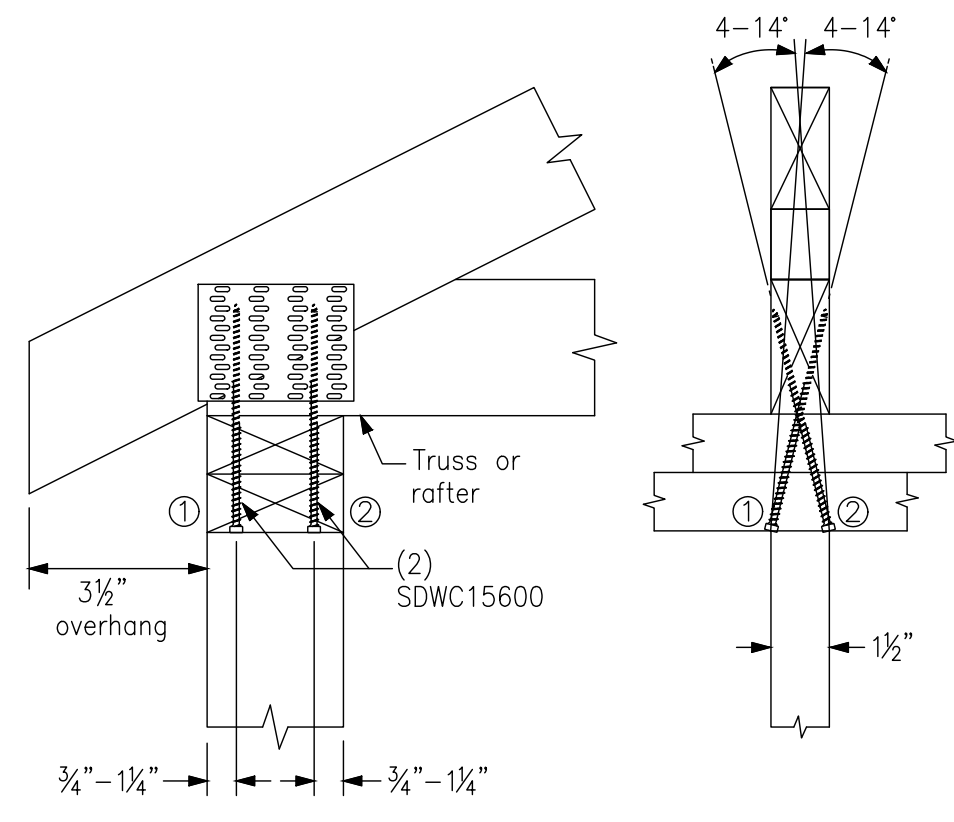
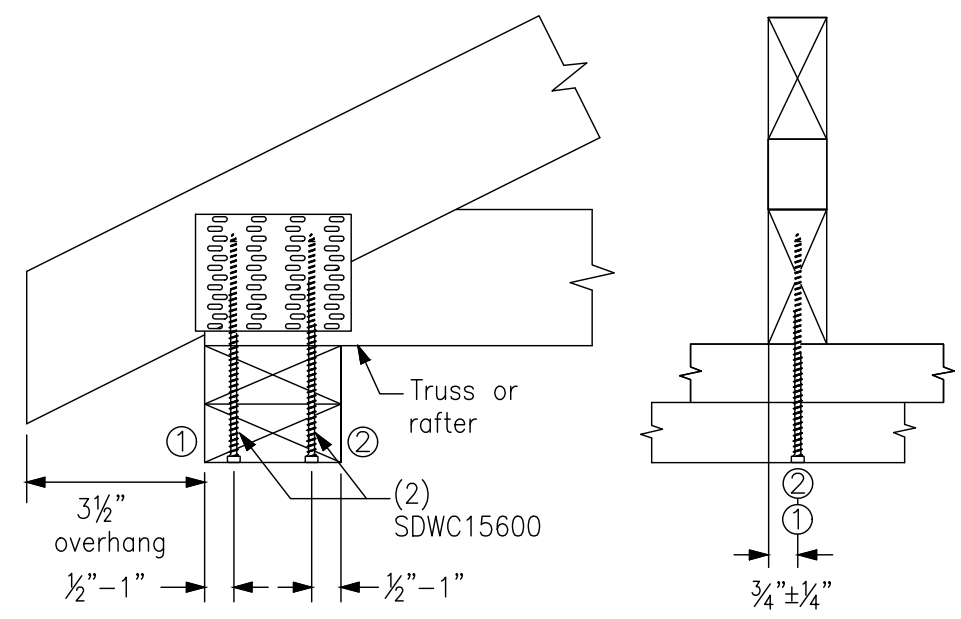
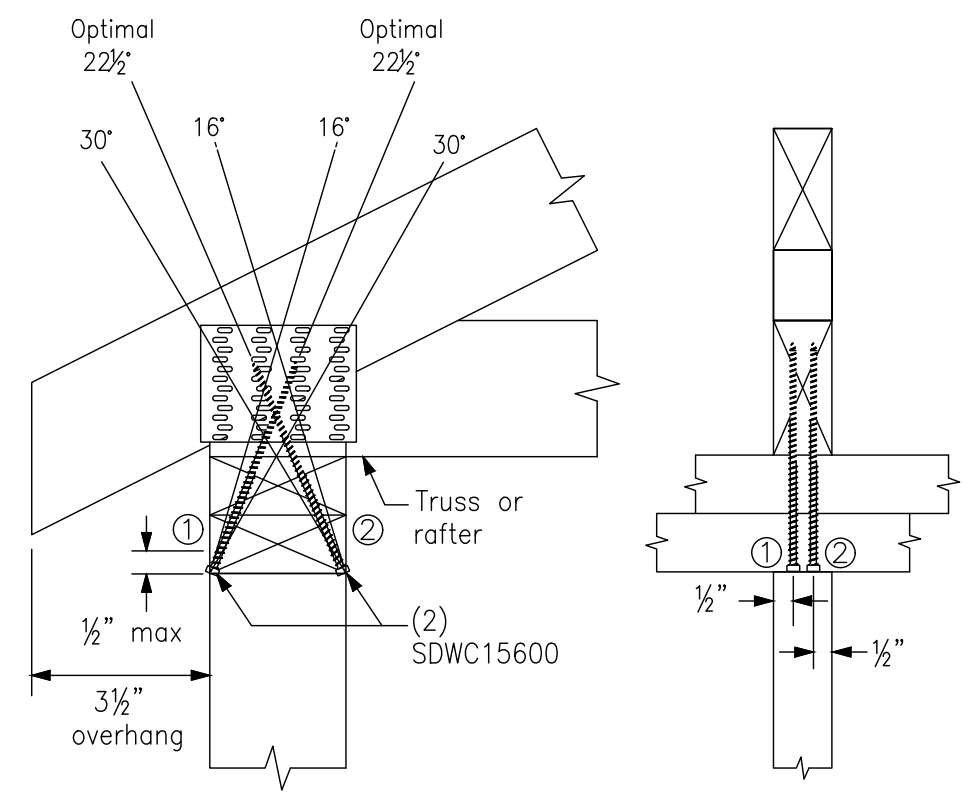
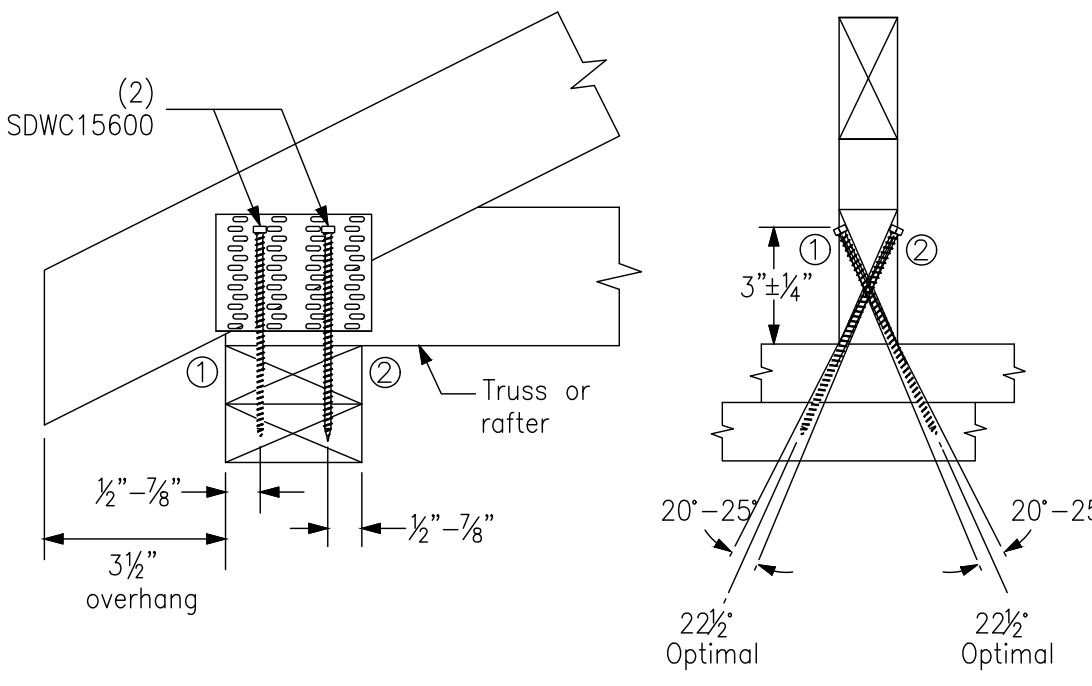
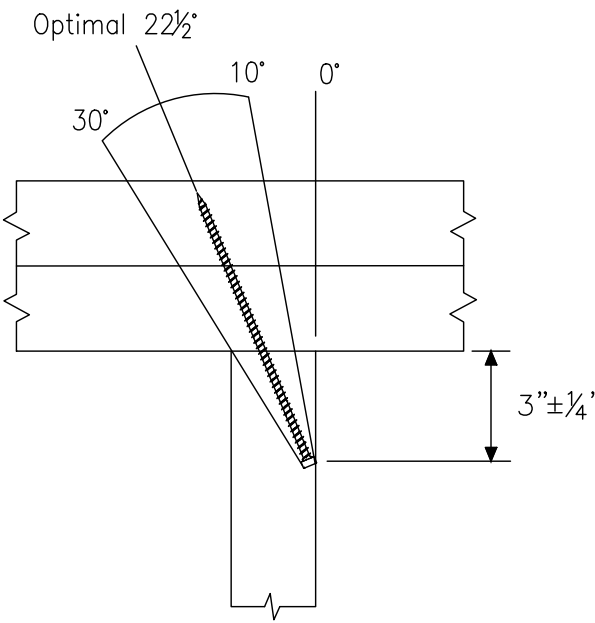
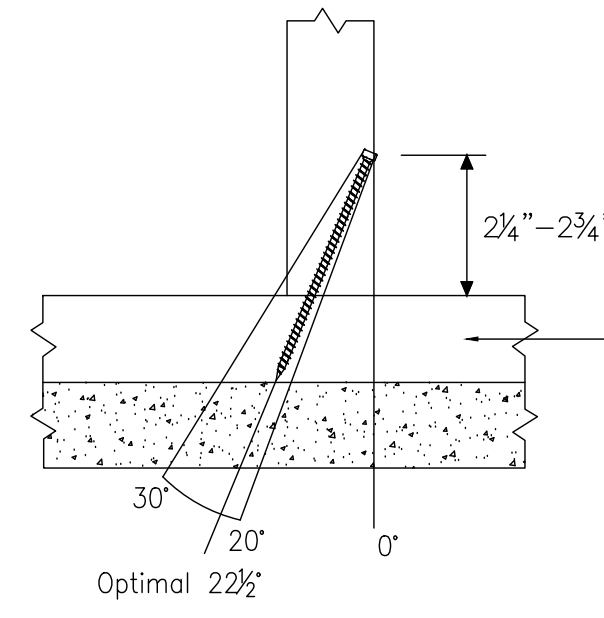
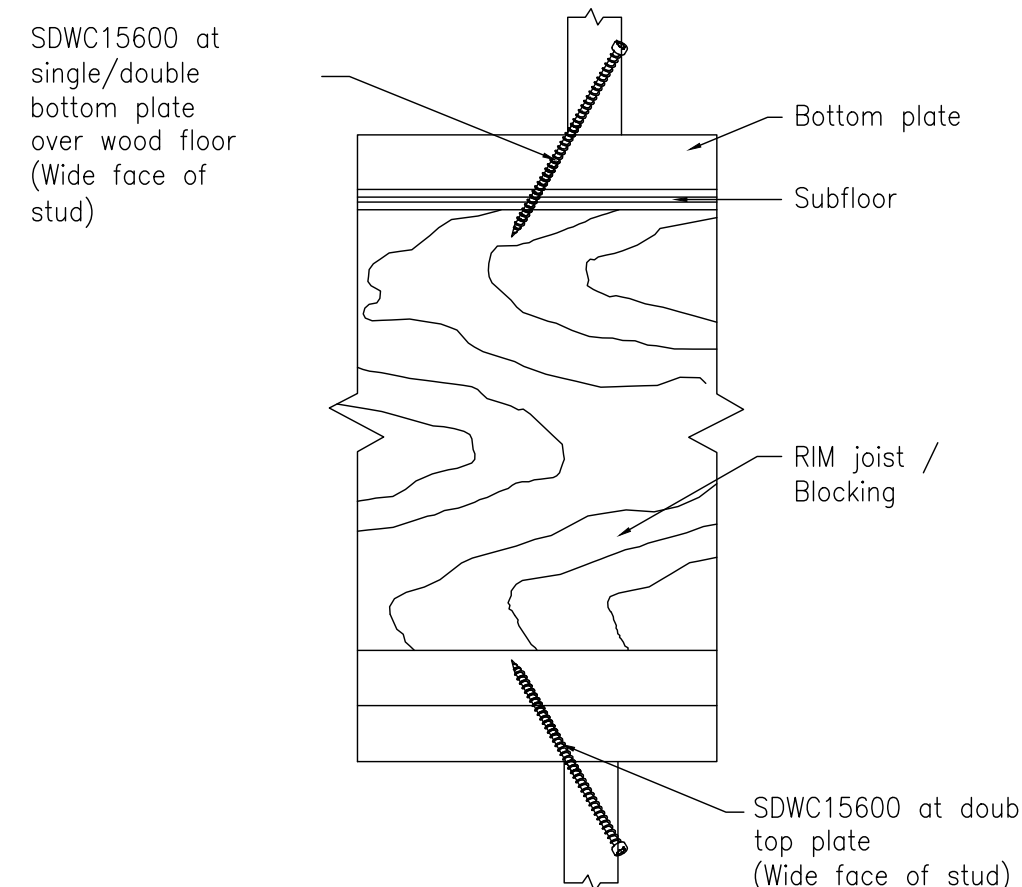
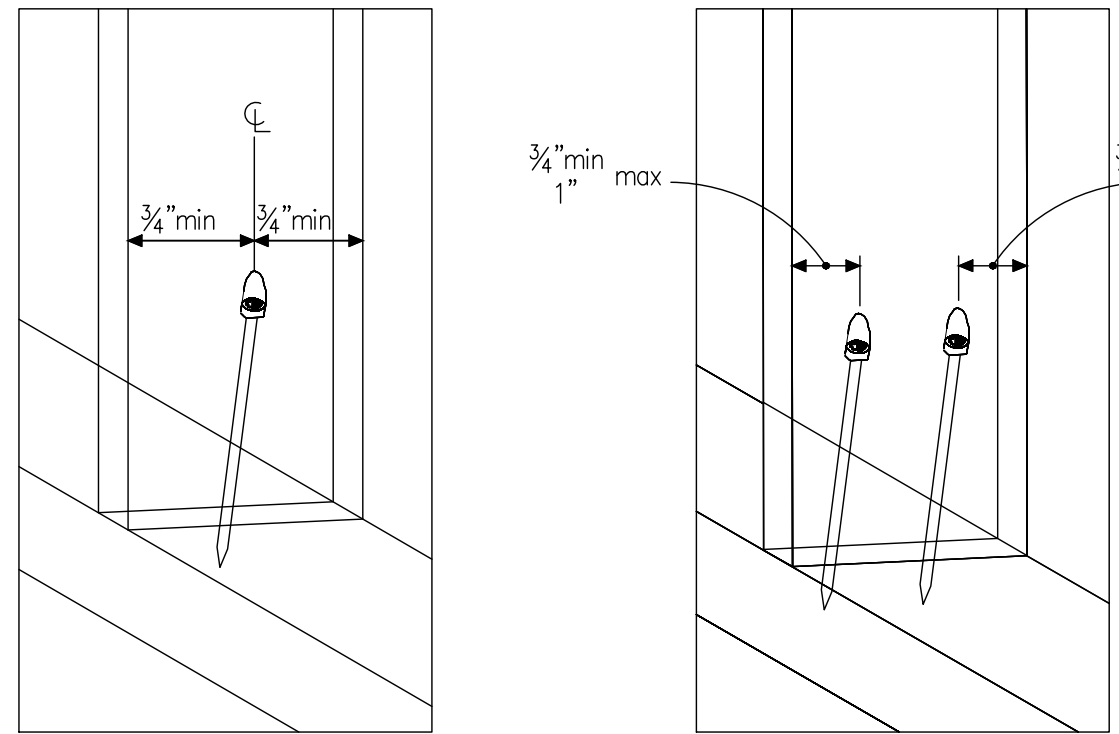
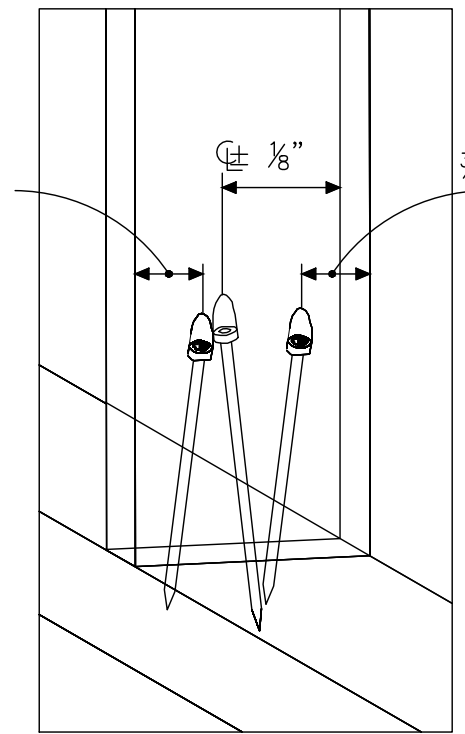
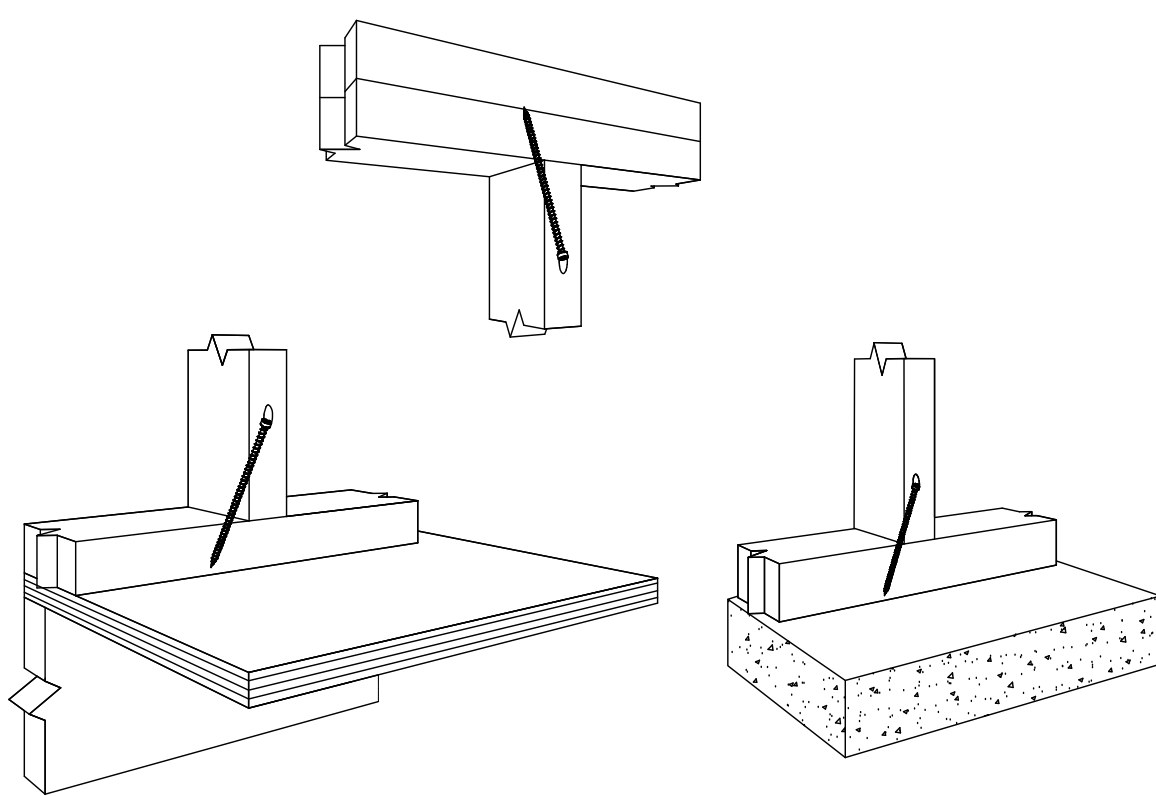
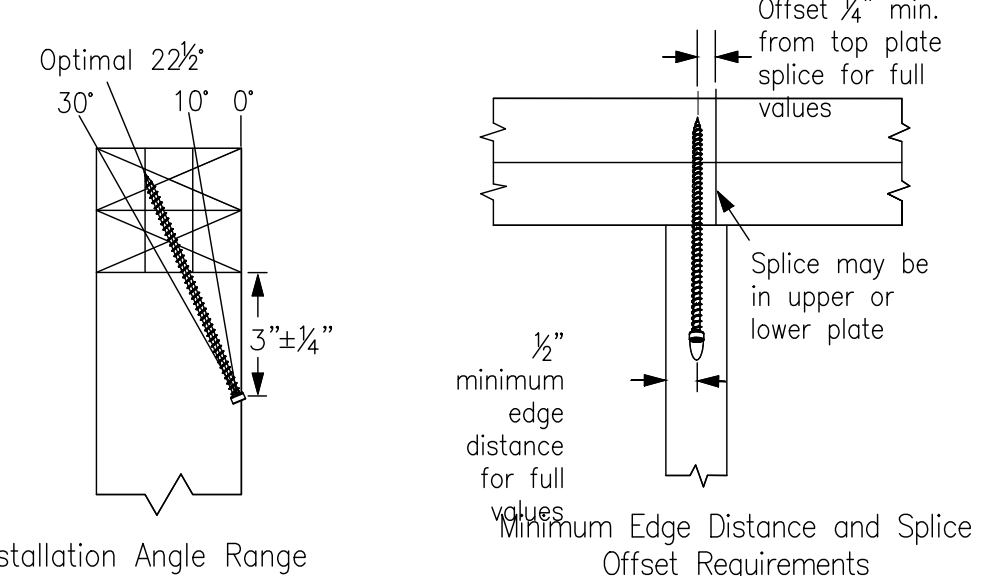
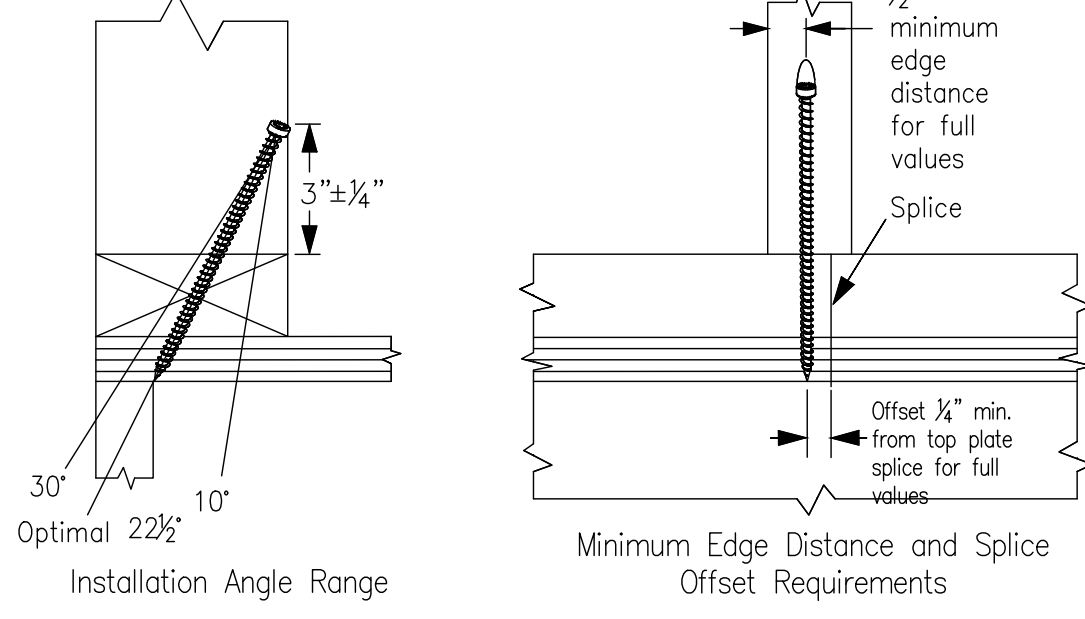
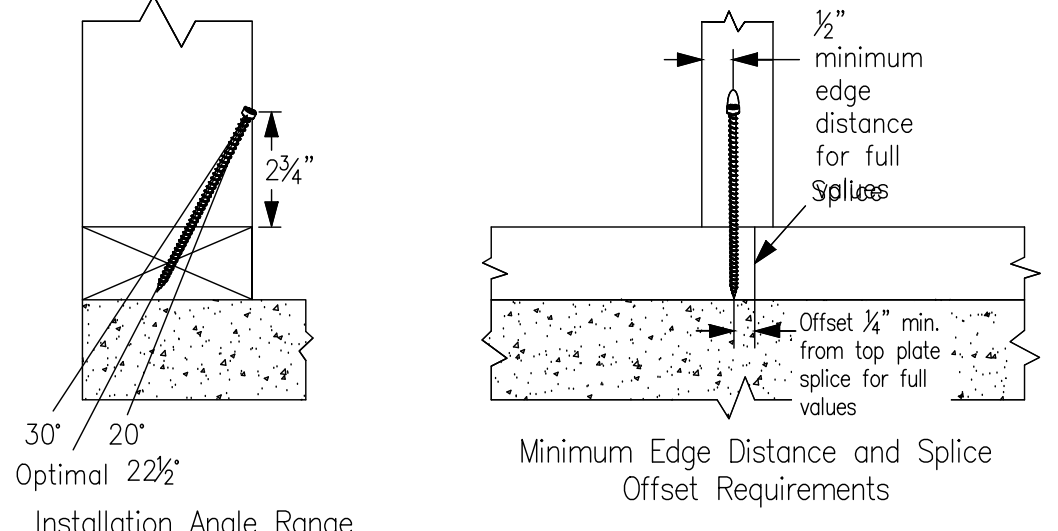
1/8" DIA. ASTM A307 BOLT, 8" MIN. EMBEDMENT, 2,500 PSI MIN. EPOXY STRENGTH.

CONCRETE FOOTING PER DTLS.

5/8"x12" THREADED ROD A307 w/ EPOXY BY SIMPSON STRONG-TIE @ 32" O.C., w/ 3"x3"x0.229" PLATE WASHER REQ'D AT MUD SILL. TYP.

3 TWO STORY SHEAR WALL DETAILS (STACKED)

NOTE:
CONTRACTOR SHALL ENSURE THAT ALL ROOF MEMBERS, BEAMS, COLUMNS, ETC SHALL HAVE A COMPLETE LOAD PATH TO FOUNDATION AS PER IBC 2018.

CODES: SDWC15600: IAPMO–UES ER–262 		 Note: 1. Sloped-roof rafters may be sloped up to and including a 12:12 pitch and must be "birds-mouth" cut. 2. Reference detail 4 for installation instructions.		 Note: Reference detail 2a for installation angle limit		 Note: Sloped-roof rafters may be sloped up to and including a 12:12 pitch and must be "birds-mouth" cut.			
1	SINGLE SDWC ROOF TO WALL OR BEAM INSTALLTION	1a	SINGLE SDWC ROOF TO WALL OR BEAM INSTALLATION RANGE	2	OPT. SDWC INSTALLATION – TRUSS/RAFTER OFFSET FROM STUD	2a	OPT. SDWC INSTALLATION RANGE	3	SDWC MIN. EDGE DISTANCE FOR TOP PLATE SPLICE
 Step 1 – Align the metal installation guide tool (included) with the truss or rafter, and drive the tip of the Strong-Drive SDWC to engage the threads. Step 2 – While continuing to drive the SDWC, "drop" the fastener head into the guide channel to ensure optimal installation angle of 22.5°. The installation angle range is 10°–30° (see detail 1a). Once the installation angle is established, the metal installation guide tool may be removed. Step 3 – Drive the SDWC until the head of the fastener is fully countersunk into the double top plate. Verify that the entire shank of the fastener is installed into a wood member.				 Both screws installed ±5°.		 Use metal installation guide included in screw kits for optimal 22.5° installation.		 Use metal installation guide included in screw kits for optimal 22.5° installation. To predrill through truss plates, use a 1/8" drill bit.	
4	SDWC INSTALLATION INSTRUCTIONS (ROOF TO WALL)	5	DOUBLE SDWC INSTALL: CONFIGURATION A	6	DOUBLE SDWC INSTALL: CONFIGURATION B	7	DOUBLE SDWC INSTALL: CONFIGURATION C	8	DOUBLE SDWC INSTALL: CONFIGURATION D
 Note: Stud-to-double top plates shown. Stud-to-single/double bottom plates over wood floor similar.		 Note: Sill plate anchor to foundation not shown for clarity.		 Note: Reference detail 9 for installation angle limit		 Note: Stud-to-Bottom Plate shown. All other installations similar.		 Single SDWC & multiple SDWC connections per stud information. SDWC15450 at sill connections only. SDWC15600 at all other connects.	
9	SDWC STUD-TO-TOP/BOTTOM PLATES CONNECTION	10	SDWC STUD-TO-SILL PLATE CONNECTION	11	SDWC STUD-TO-BOTT. PLATE CONNECTION OVER WOOD FLOOR	12	SDWC EDGE DISTANCE AND SPACING INFORMATION	1. STRONG-DRIVE STRUCTURAL WOOD SCREWS FOR TRUSS/RAFTER, STUD-TO-PLATE, AND FLOOR-TO-FLOOR CONNECTIONS ARE MANUFACTURED AND TRADEMARKED BY "SIMPSON STRONG-TIE COMPANY, INC." HOME OFFICE: 5956 W. LAS POSITAS BLVD., PLEASANTON, CA 94588 TEL: (800) 999-5099, FAX: (925) 847-1597. "SIMPSON STRONG-TIE COMPANY, INC." IS AN ISO 9001 REGISTERED COMPANY. 2. USE OF THIS PRODUCT IS SUBJECT TO THE APPROVAL OF THE LOCAL BUILDING DEPARTMENT. 3. THESE PRODUCTS ARE PART OF THE OVERALL WIND UPLIFT FORCE RESISTING SYSTEM OF THE STRUCTURE. DESIGN OF THE BUILDING'S MAIN WIND FORCE RESISTING SYSTEM, INCLUDING THE LOAD PATH TO TRANSFER UPLIFT FORCES FROM THE STRUCTURE TO THE GROUND, IS THE RESPONSIBILITY OF THE SPECIFIER. 4. ENGINEER OF RECORD IS PERMITTED TO MODIFY DETAILS FOR SPECIFIC CONDITIONS. 5. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CONDITIONS, ETC. PRIOR TO INSTALLATION OF ANY STRONG-DRIVE SCREWS FOR THE WIND UPLIFT RESISTING SYSTEM. IF ANY DISCREPANCIES ARE FOUND, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE SPECIFIER FOR CLARIFICATION PRIOR TO CONSTRUCTION. 6. INSTALLATION OF PRODUCT SHALL BE DONE IN CONFORMANCE TO THESE DRAWINGS. THE PERFORMANCE OF MODIFIED PRODUCTS OR ALTERED INSTALLATION PROCEDURES ARE THE SOLE RESPONSIBILITY OF THE SPECIFIER. 7. SIMPSON STRONG-TIE COMPANY, INC. RESERVES THE RIGHT TO CHANGE SPECIFICATIONS, DESIGNS, AND MODELS WITHOUT NOTICE OR LIABILITY FOR SUCH CHANGES. 8. ALL HARDWARE CALLED OUT IS SIMPSON STRONG-TIE.	
		 Installation Angle Range Minimum Edge Distance and Splice Offset Requirements		 Installation Angle Range Minimum Edge Distance and Splice Offset Requirements		 Installation Angle Range Minimum Edge Distance and Splice Offset Requirements		17 STANDARD DETAILS BY SIMPSON STRONG-TIE COMPANY, INC	
13	NARROW FACE OF STUD CONNECTIONS	14	NARROW FACE OF STUD TO TOP PLATE INSTALLATION	15	NARROW FACE OF STUD TO BOTTOM PLATE INSTALLATION	16	NARROW FACE OF STUD TO SILL PLATE INSTALLATION	17	STANDARD DETAILS

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martycdob@gmail.com

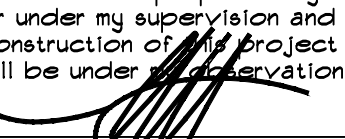
△
△
△

JULY 19, 2024
CLIENT REVISIONS



MARTIN V. COOPER
LICENSED PROFESSIONAL ARCHITECT
No. 7350
HAWAII, U.S.A.

This work was prepared by me or under my supervision and construction of this project will be under my supervision.

Signature: 

License expires on 04/30/2026

WIND UPLIFT RESISTING STRONG-DRIVE SCREW FASTENING SYSTEMS

PROPOSED NEW RESIDENCE FOR:

EDER RESIDENCE

MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII

T.M.K.: (2) 4 - 2 - 010 : 032

DATE: SEPT. 29, 2023

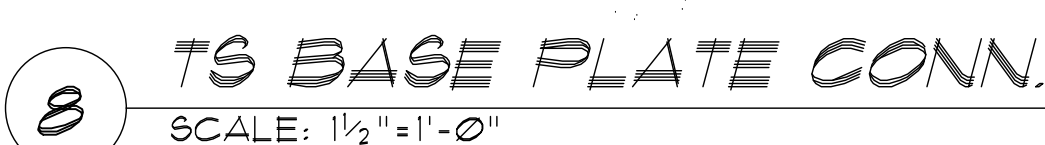
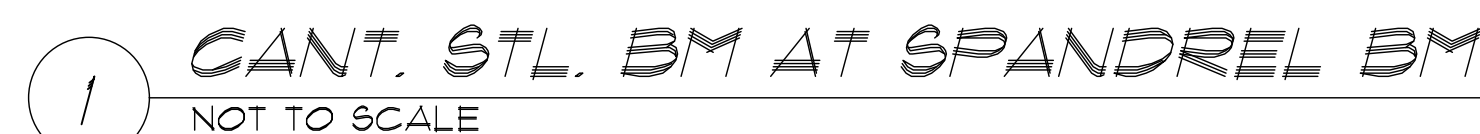
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JOB:

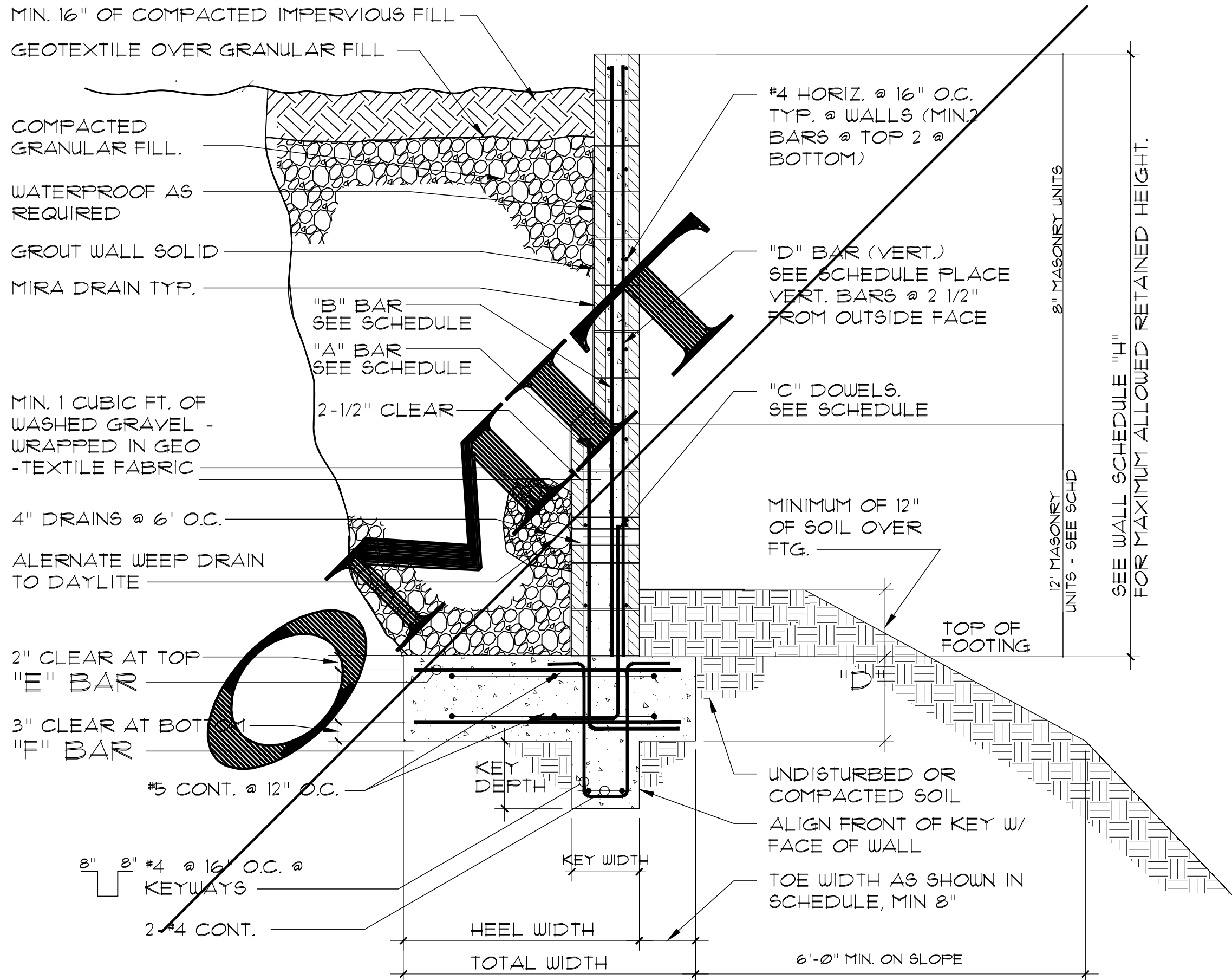
SHEET:





NOTE THAT 30 PCF IS NOT SUFFICIENT IN EXPANSIVE SOILS OR WHEN TOP OF WALL IS RESTRAINED OR IF THE BACKFILL IS SLOPED. SIMILARLY THE COEFFICIENT OF FRICTION MAY BE HIGH FOR EXPANSIVE SOIL.

VERIFY ALL CONDITIONS WITH ARCHITECT ON SITE.

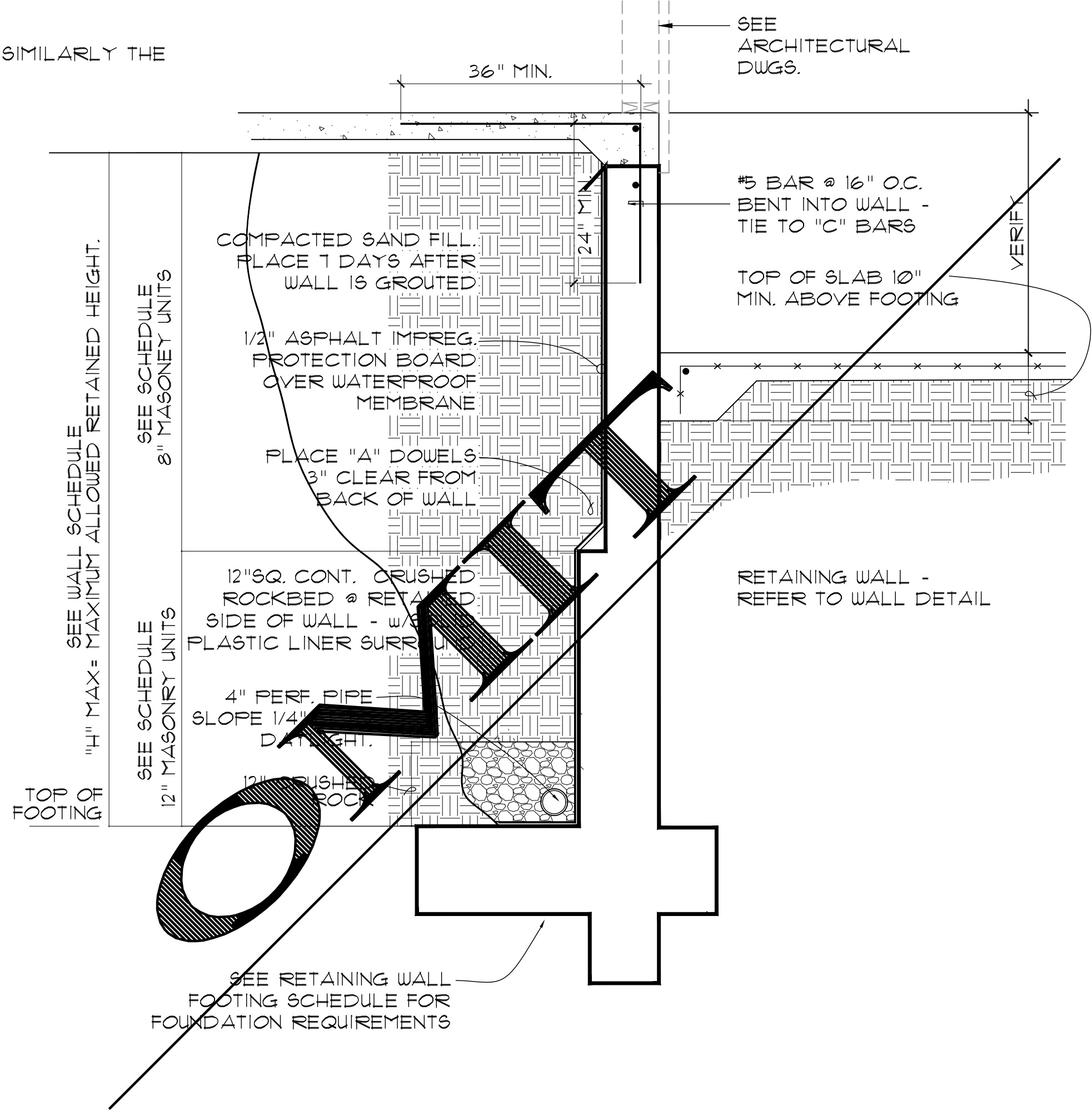


UNSUPPORTED CMU RETAINING WALL DETAIL and SCHEDULE

1 SCALE: 3/4" = 1'-0"
PROVIDE COMP. TEST RESULTS MTG ASTM 95% DRY DENSITY UNDER FOOTING, TYPICAL.

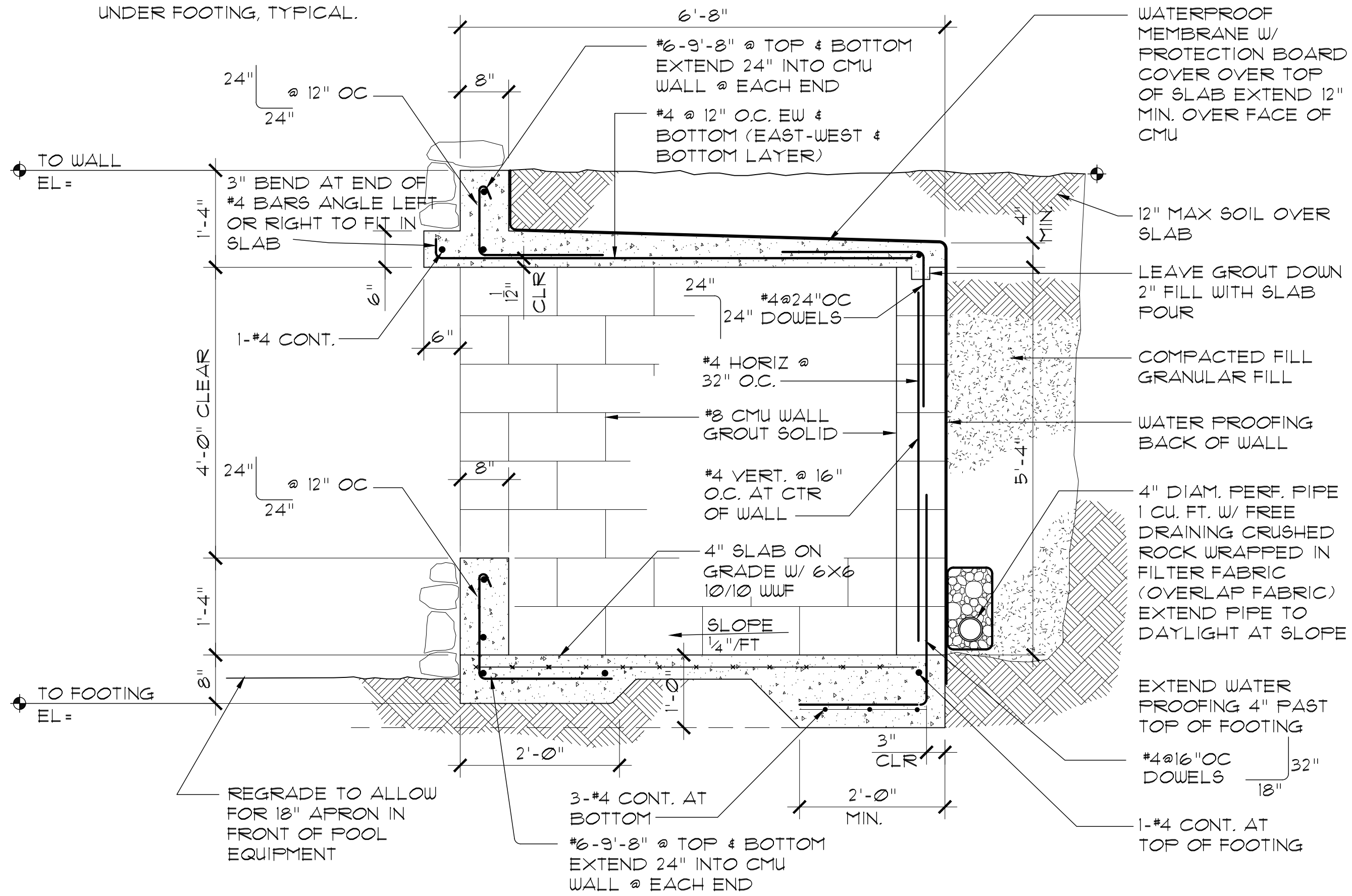
RETAINING WALL SCHEDULE										H30.ABP2000.CF0.4					
FOOTING DIMENSIONS										REINFORCMENT REQUIREMENTS					
WALL MARK (SEE PLAN)	MAX. HEIGHT (FEET)	DEPT'G	TOE WIDTH	TOTAL WIDTH	KEY WAY DEPTH/WIDTH	H ₁ CMU	"A"	"B"	"C"	"D"	"E"	"F"			
A-3	3'-0"	12"	8"	2'-6"	NONE	0	#4 at 16" OC	#4 at 24" OC	#4 at 24" OC	#4 at 24" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP
A-4	4'-0"	12"	8"	2'-8"	NONE	0	#5 at 16" OC	#4 at 24" OC	#4 at 24" OC	#4 at 24" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP
A-5	5'-0"	12"	8"	3'-1"	NONE	0	#5 at 16" OC	#4 at 24" OC	#4 at 24" OC	#4 at 24" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP
A-6	6'-0"	12"	12"	3'-8"	4"	8"	#5 at 16" OC	#4 at 24" OC	#4 at 24" OC	#4 at 24" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP
A-7	7'-0"	12"	15"	4'-0"	6"	8"	#5 at 16" OC	#4 at 24" OC	#4 at 24" OC	#4 at 24" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP
A-8	8'-0"	12"	15"	4'-8"	8"	8"	#5 at 16" OC	#5 at 24" OC	#4 at 24" OC	#4 at 24" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP
A-9	9'-0"	14"	15"	5'-0"	12"	12"	#5 at 16" OC	#5 at 24" OC	#4 at 24" OC	#4 at 24" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP
A-10	10'-0"	14"	15"	5'-8"	12"	12"	#5 at 16" OC	#5 at 24" OC	#4 at 24" OC	#4 at 24" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP
A-11	11'-0"	14"	18"	6'-3"	18"	12"	#5 at 16" OC	#5 at 24" OC	#4 at 24" OC	#4 at 24" OC	#6 at 12" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP
A-12	12'-0"	14"	21"	7'-0"	20"	12"	#5 at 16" OC	#5 at 24" OC	#4 at 24" OC	#4 at 24" OC	#6 at 12" OC	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP	#5 at 12" OC 3" FROM TOP

This schedule may only be used where the allowable soil bearing capacity is a minimum of 3,000 psf, where the horizontal bearing pressure does not exceed 30 psf and in conditions where there is no surcharge on the retaining wall and the backfill behind the wall is level. The coefficient of friction for sliding is 0.4 as per soil report.



TOP SUPPORTED CMU RETAINING WALL DETAIL

2 SCALE: 3/4" = 1'-0"
PROVIDE COMP. TEST RESULTS MTG ASTM 95% DRY DENSITY UNDER FOOTING, TYPICAL.



3 POOL EQUIPMENT VAULT

SCALE: 3/4"=1'-0"

ELECTRICAL LEGEND:

- \$

\$₃

\$₄

SWITCH

THREE-WAY SWITCH

FOUR-WAY SWITCH

OUTLET

WATERPROOF OUTLET

GROUND FAULT INTERRUPT OUTLET

SWITCH OUTLET

220V OUTLET

OUTLET WITH USB PORTS

UNDER COUNTER FIXTURE

CEILING FAN/ LIGHT COMBO

LED LIGHT

CHANDELIER

SURFACE MOUNT CEILING LIGHT

CANNON SPOT LIGHT

SMOKE / CARBON MONOXIDE DETECTOR

CAN LIGHT

CAN LIGHT WITH MOVABLE EYE

SURFACE MOUNT SCONCE

RAIL LIGHT

GARAGE DOOR OPENER

EXHAUST FAN/ VTR

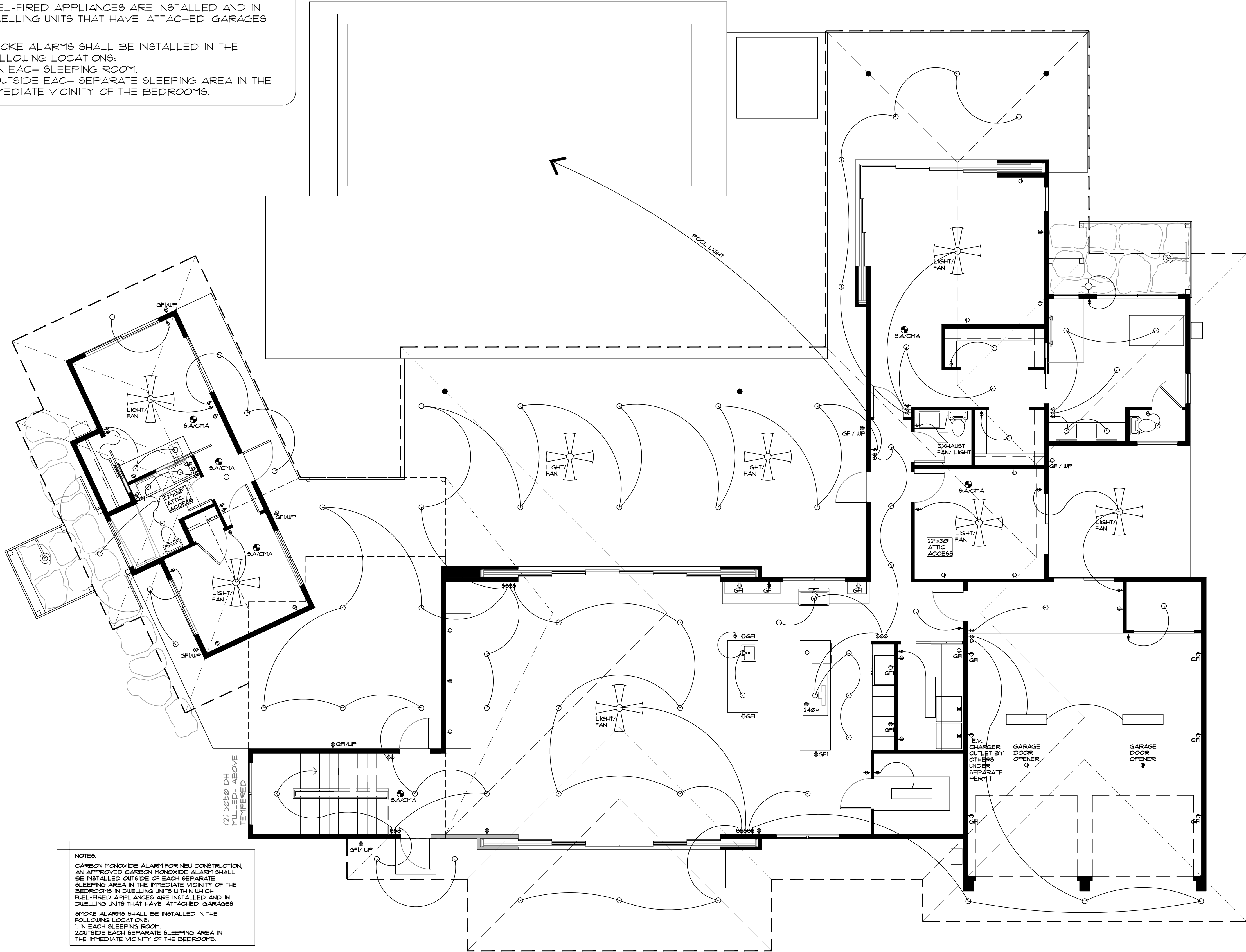
FLOOD LIGHT

FLOOR OUTLET- VERIFY LOCATION W/ CONTRACTOR ON SITE

2018 IRC SECTION R314/SMOKE ALARMS
THE ALARM DEVICES SHALL BE INTERCONNECTED IN A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE WITH ALL INTERVENING DOORS CLOSED.

CARBON MONOXIDE ALARM FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES

SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:
1. IN EACH SLEEPING ROOM.
2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.



NOTES:
CARBON MONOXIDE ALARM FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES
SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:
1. IN EACH SLEEPING ROOM.
2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.

MAIN ELECTRICAL PLAN

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

CWA
P.O. BOX 1062 808 810 3174-OFFICE
PUUNENE, HI. 96784 marty.cdo@gmail.com

JULY 18, 2024
CLIENT REVISIONS

MARTIN V. COOPER
LICENSED PROFESSIONAL ARCHITECT
No. 7350
HAWAII, U.S.A.
This work was prepared by me or under my supervision and construction of this project will be under my supervision.
Signature
License expires on 04/30/2026

ELECTRICAL PLAN

PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE: SEPT. 29, 2023
SCALE: NOTED
DRAWN: MVC/SV
JOB:
SHEET:

E1

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ELECTRICAL LEGEND:

- \$

SWITCH
- \$₃

THREE-WAY SWITCH
- \$₄

FOUR-WAY SWITCH
- ⊖

OUTLET
- ⊖
GFI/WP

WATERPROOF OUTLET
- ⊖
GFI

GROUND FAULT
INTERUPT OUTLET
- ⊖
S

SWITCH OUTLET
- ⊖

220V OUTLET
- ⊖
USB

OUTLET WITH USB PORTS
- ⊖
uc

UNDER COUNTER FIXTURE
- ⊕

CEILING FAN/
LIGHT COMBO
- ▭

LED LIGHT
- chan

CHANDELIER
- ⊗

SURFACE MOUNT CEILING LIGHT
- △

CANNON SPOT LIGHT
- SD/CMD

SMOKE /
CARBON MONOXIDE
DETECTOR
- CAN LIGHT
- ⊙

CAN LIGHT WITH MOVABLE EYE
- ⊕

SURFACE MOUNT SCONCE
- ⊕
R

RAIL LIGHT
- ⊕

GARAGE DOOR OPENER
- ⊕

EXHAUST FAN/ VTR.
- ⊕

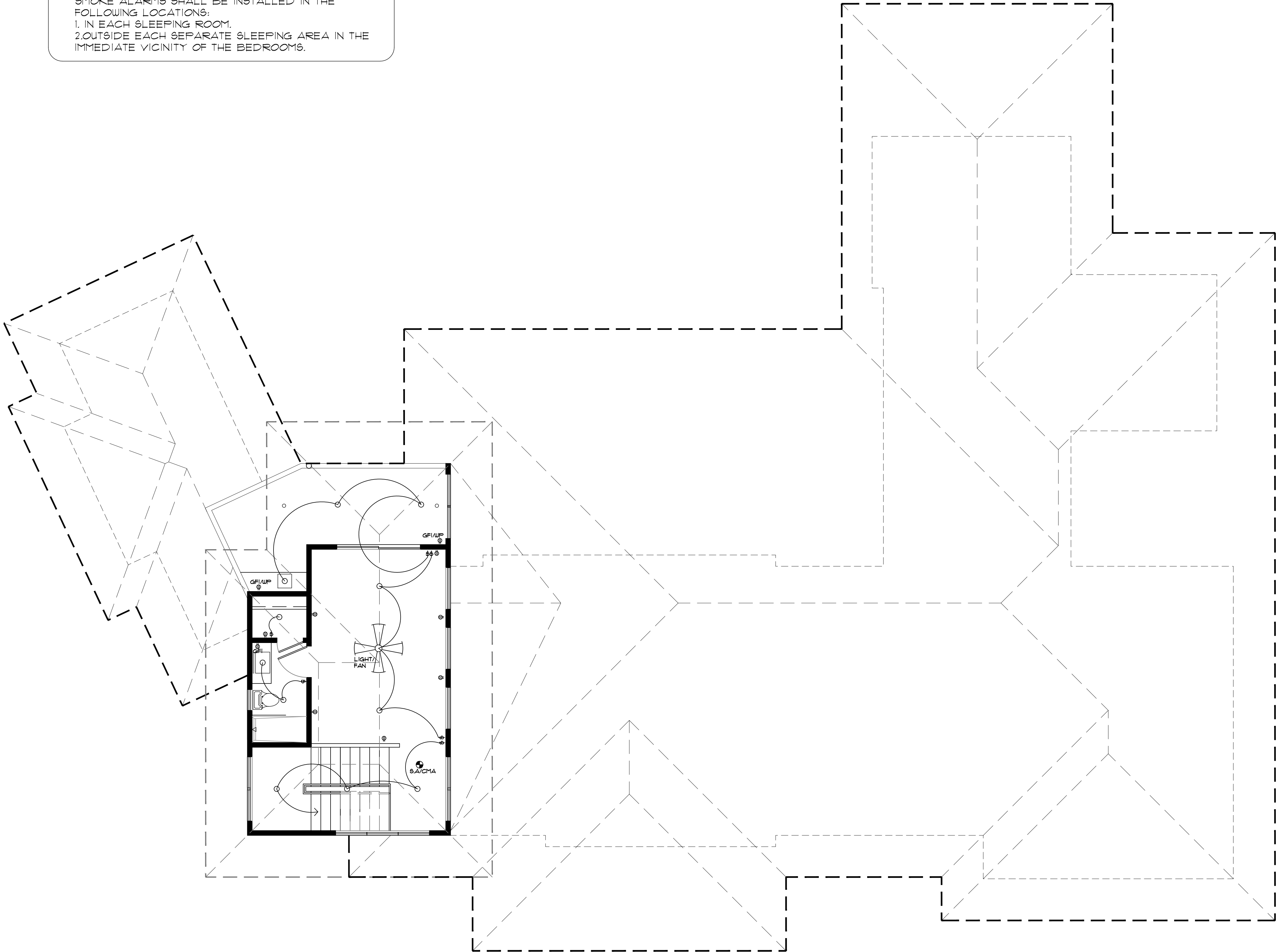
FLOOD LIGHT
- ⊕

FLOOR OUTLET-
VERIFY LOCATION W/
CONTRACTOR ON SITE

2018 IRC SECTION R314/SMOKE ALARMS
THE ALARM DEVICES SHALL BE INTERCONNECTED IN A MANNER THAT THE ACTUATION OF ONE ALARM WILL ACTIVATE ALL OF THE ALARMS IN THE INDIVIDUAL UNIT. THE ALARM SHALL BE CLEARLY AUDIBLE IN ALL BEDROOMS OVER BACKGROUND NOISE WITH ALL INTERVENING DOORS CLOSED.

CARBON MONOXIDE ALARM FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES

SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:
1. IN EACH SLEEPING ROOM.
2.OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS.



UPPER ELECTRICAL PLAN

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

CWA
P.O. BOX 1062 808 870 3714-OFFICE
RIJANE, HI. 96784 marty.cwb@gmail.com

△
△
△
△
JULY 19, 2024
CLIENT REVISIONS

MARTIN V. COOPER
LICENSED
PROFESSIONAL
ARCHITECT
No. 7350
HAWAII, U.S.A.
This work was prepared by me
or under my supervision and
construction of this project
will be under my supervision.
Signature
License expires on 04/30/2026

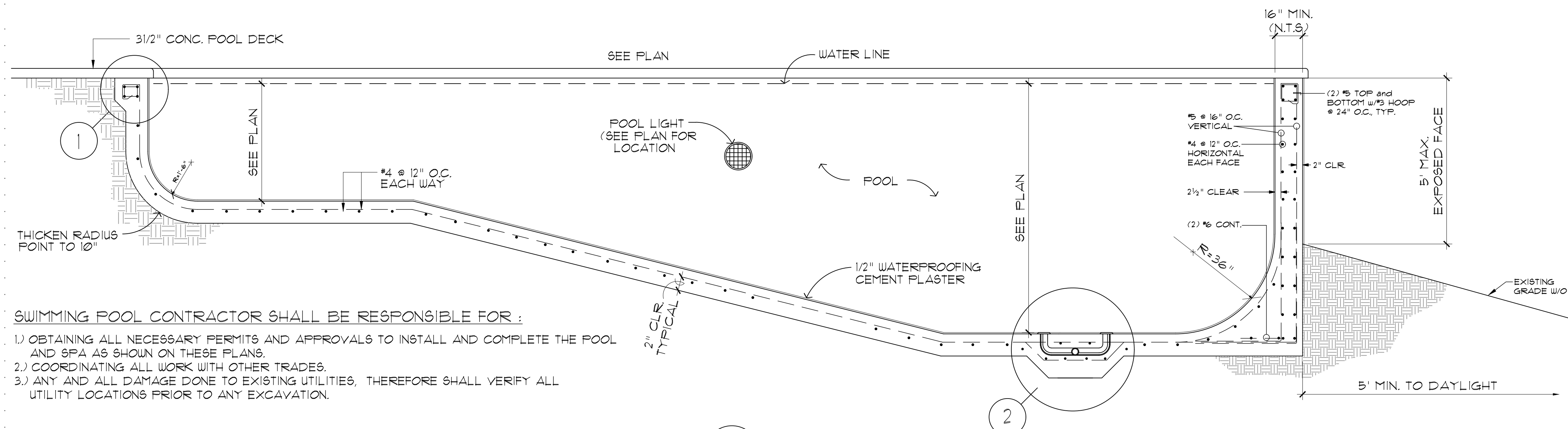
ELECTRICAL PLAN

PROPOSED NEW RESIDENCE FOR:
EDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE: SEPT. 29, 2023
SCALE: NOTED
DRAWN: MVC/SV
JOB:
SHEET:

E2

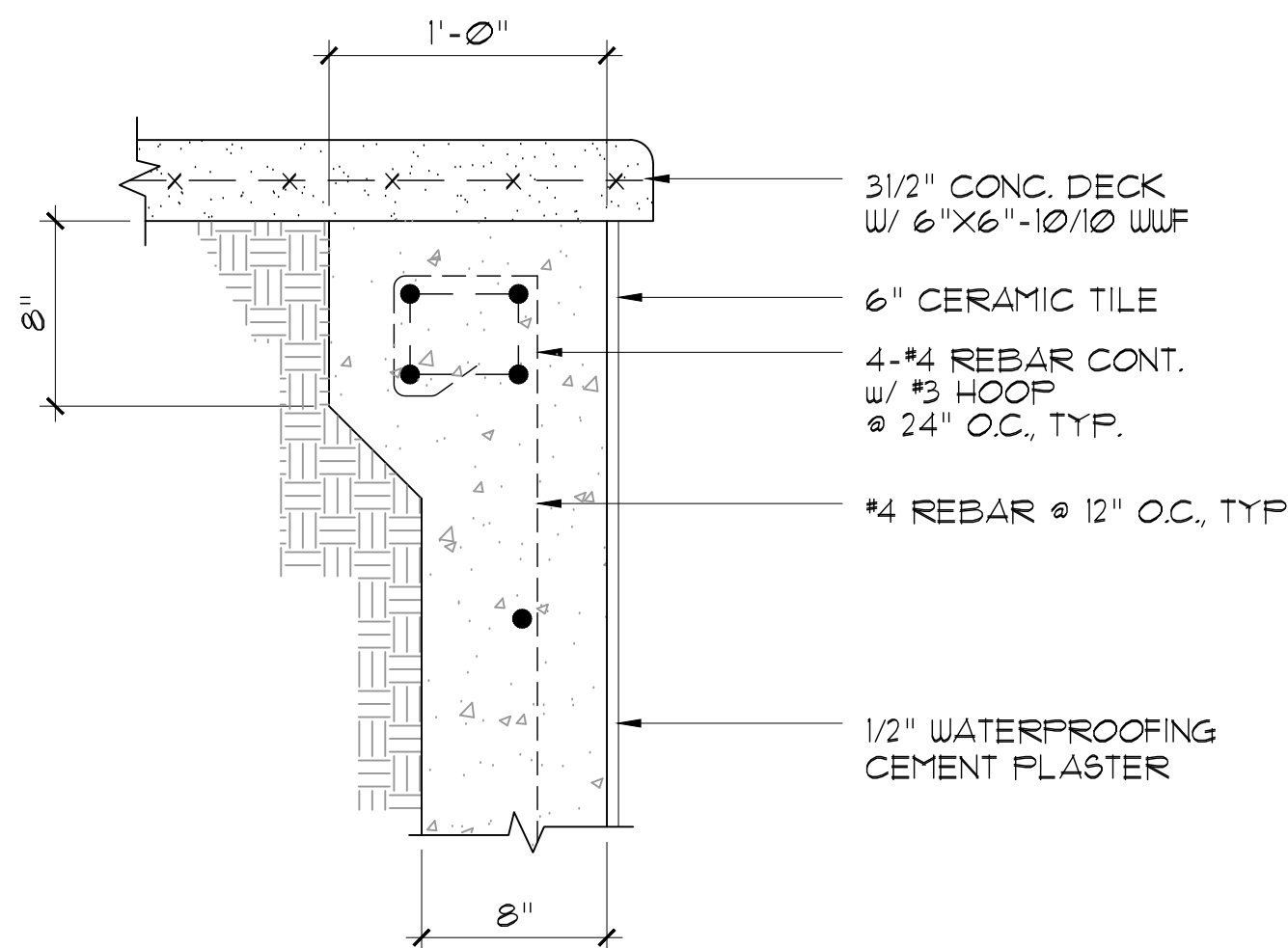
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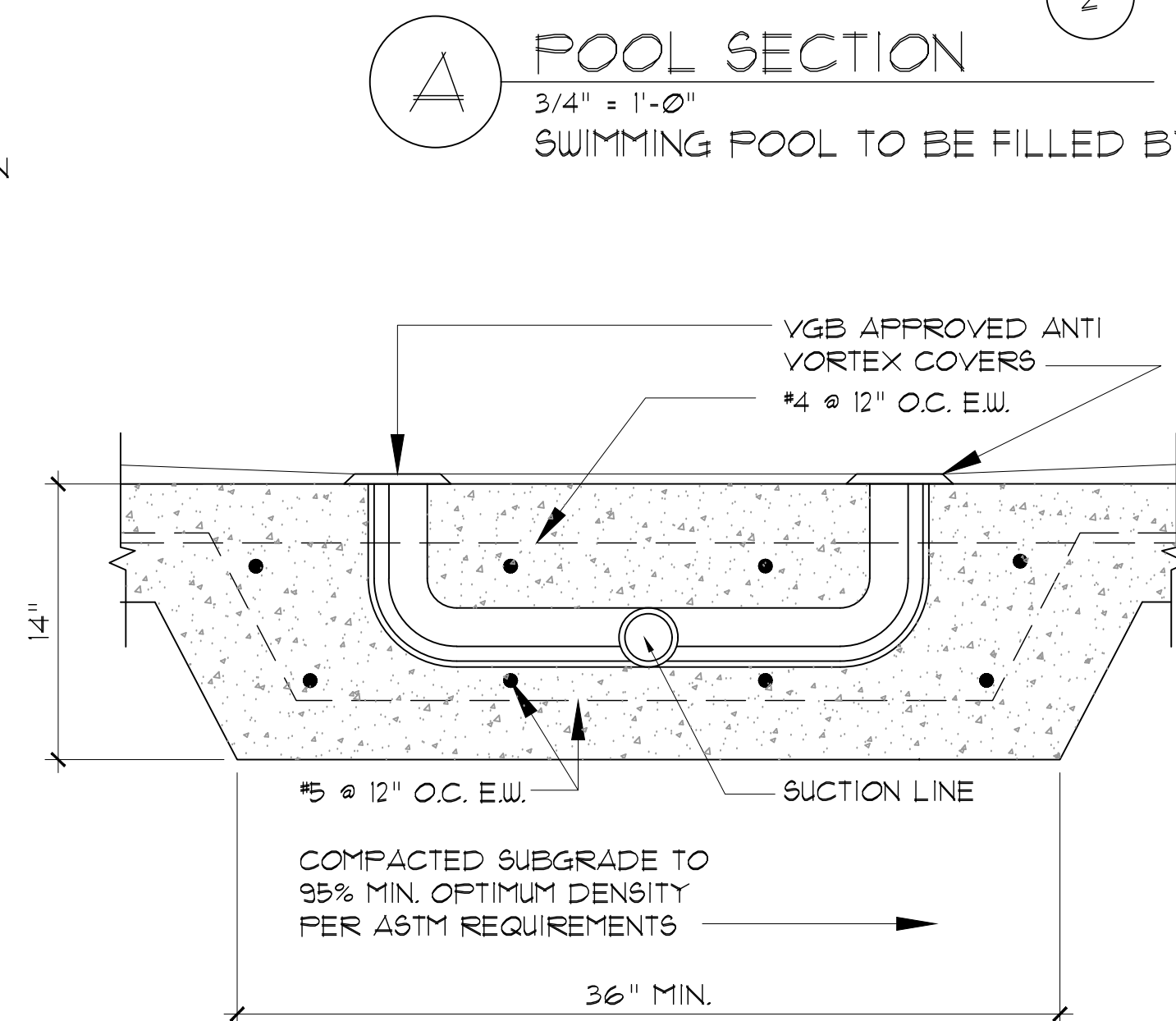
SWIMMING POOL CONTRACTOR SHALL BE RESPONSIBLE FOR :

- 1.) OBTAINING ALL NECESSARY PERMITS AND APPROVALS TO INSTALL AND COMPLETE THE POOL AND SPA AS SHOWN ON THESE PLANS.
- 2.) COORDINATING ALL WORK WITH OTHER TRADES.
- 3.) ANY AND ALL DAMAGE DONE TO EXISTING UTILITIES, THEREFORE SHALL VERIFY ALL UTILITY LOCATIONS PRIOR TO ANY EXCAVATION.

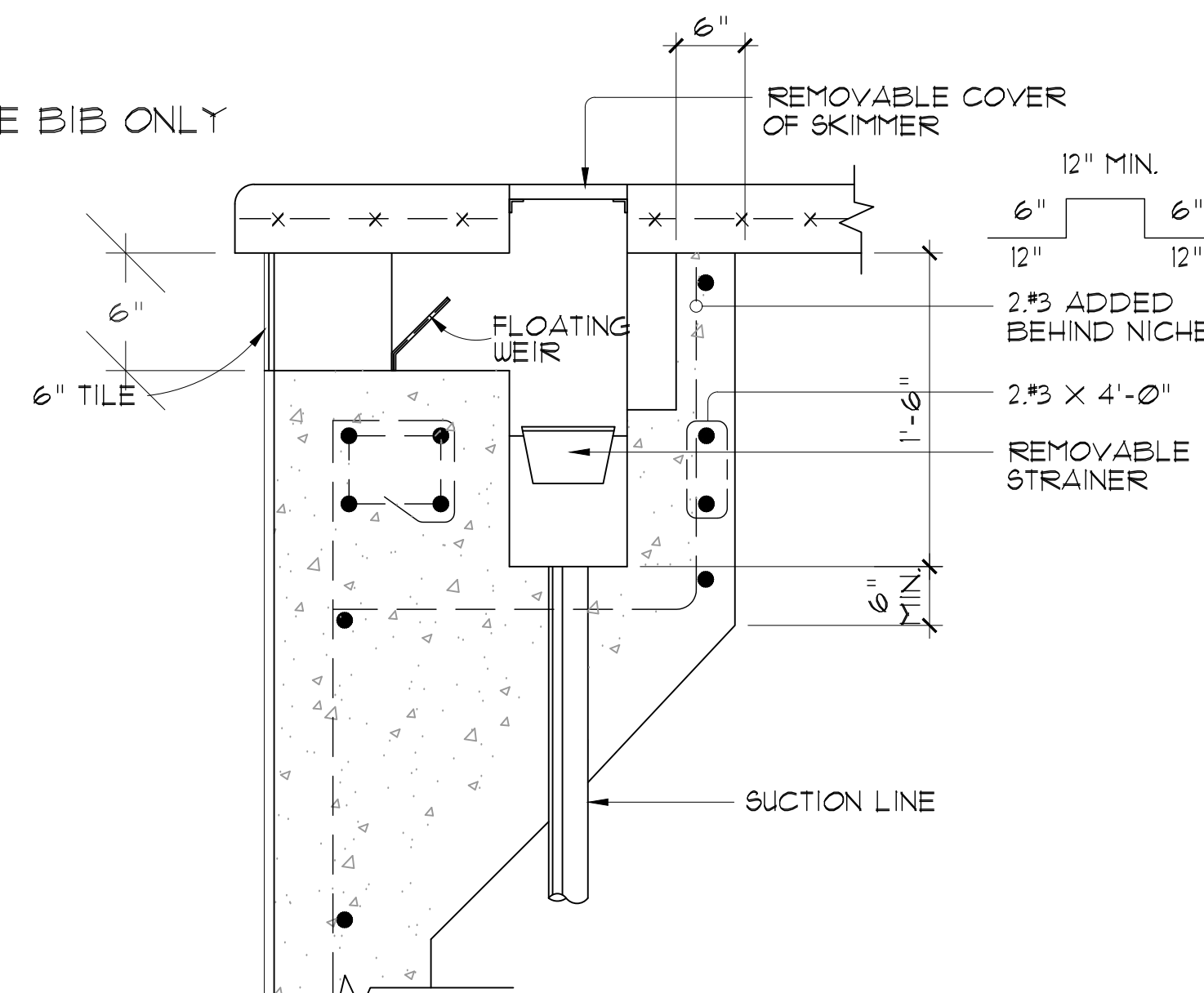
COMPACTED FILL SHALL BE IN 8" LIFTS and COMPACTED TO 6" LIFTS PER ASTM 95% DRY DENSITY STANDARDS UNDER FOOTINGS, SLABS, CONCRETE STAIRS, SIDEWALKS, DRIVEWAY, POOL DECK, POOL, and SPA. SITE CONTRACTOR SHALL ENSURE COMPACTED FILL IS FREE OF DEBRIS and ORGANIC MATERIAL. PROVIDE INDEPENDENT SOIL'S ENGINEER COMPACTION TEST REPORTS TO ARCHITECT FOR APPROVAL.



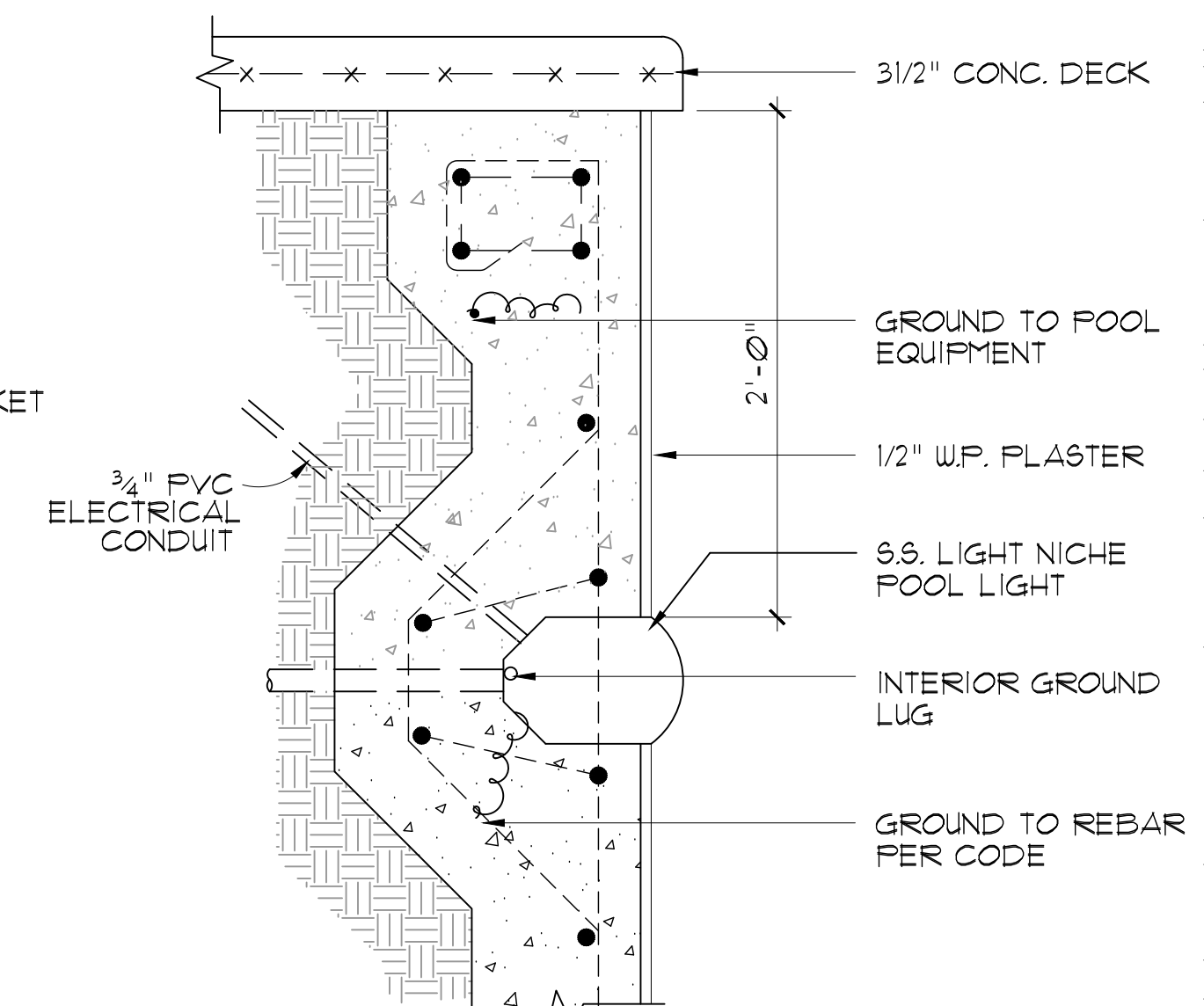
1 COPENG/BOND BEAM
11/2" = 1'-0"



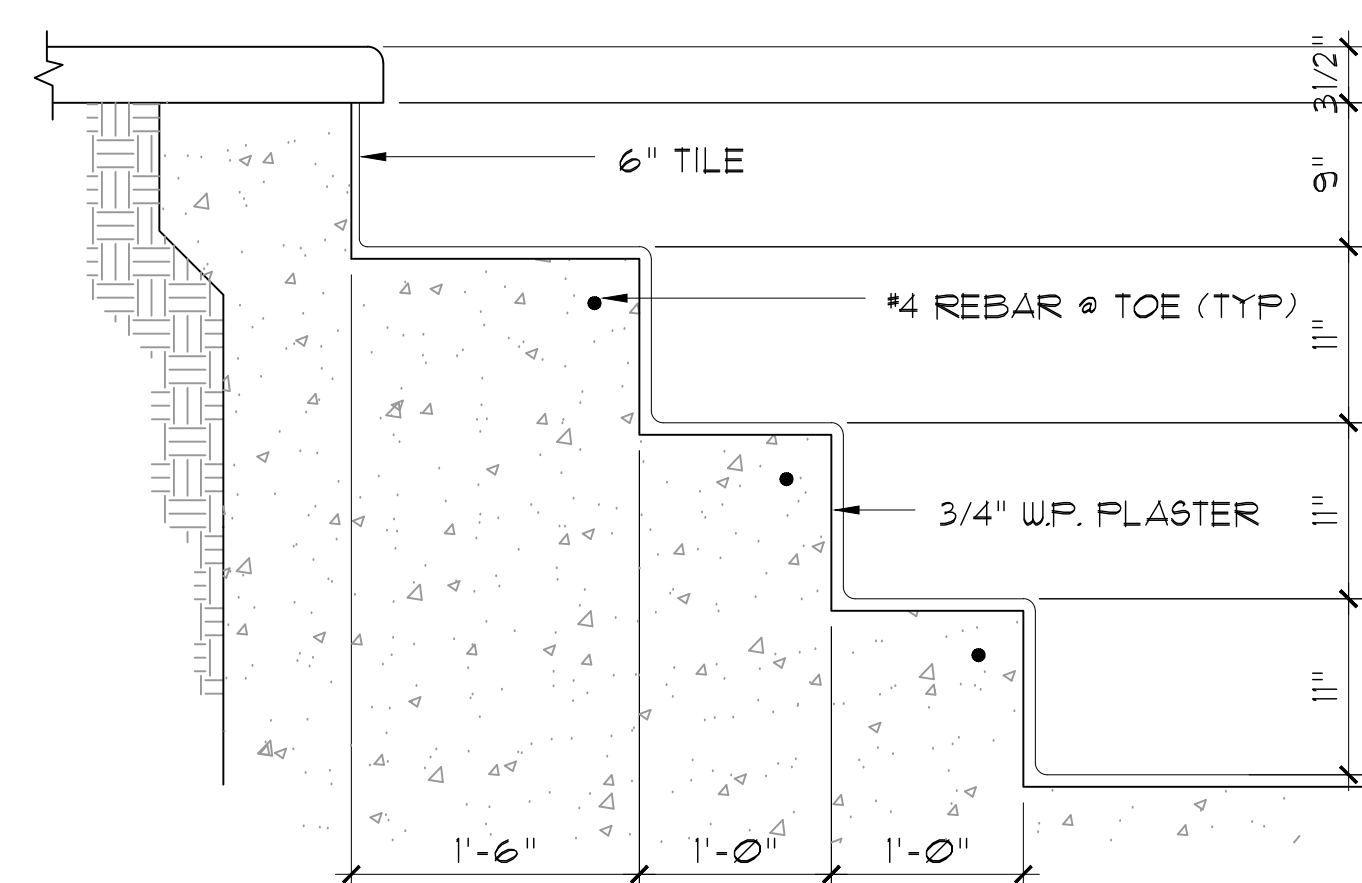
2 MAIN DRAIN
3/4" = 1'-0"



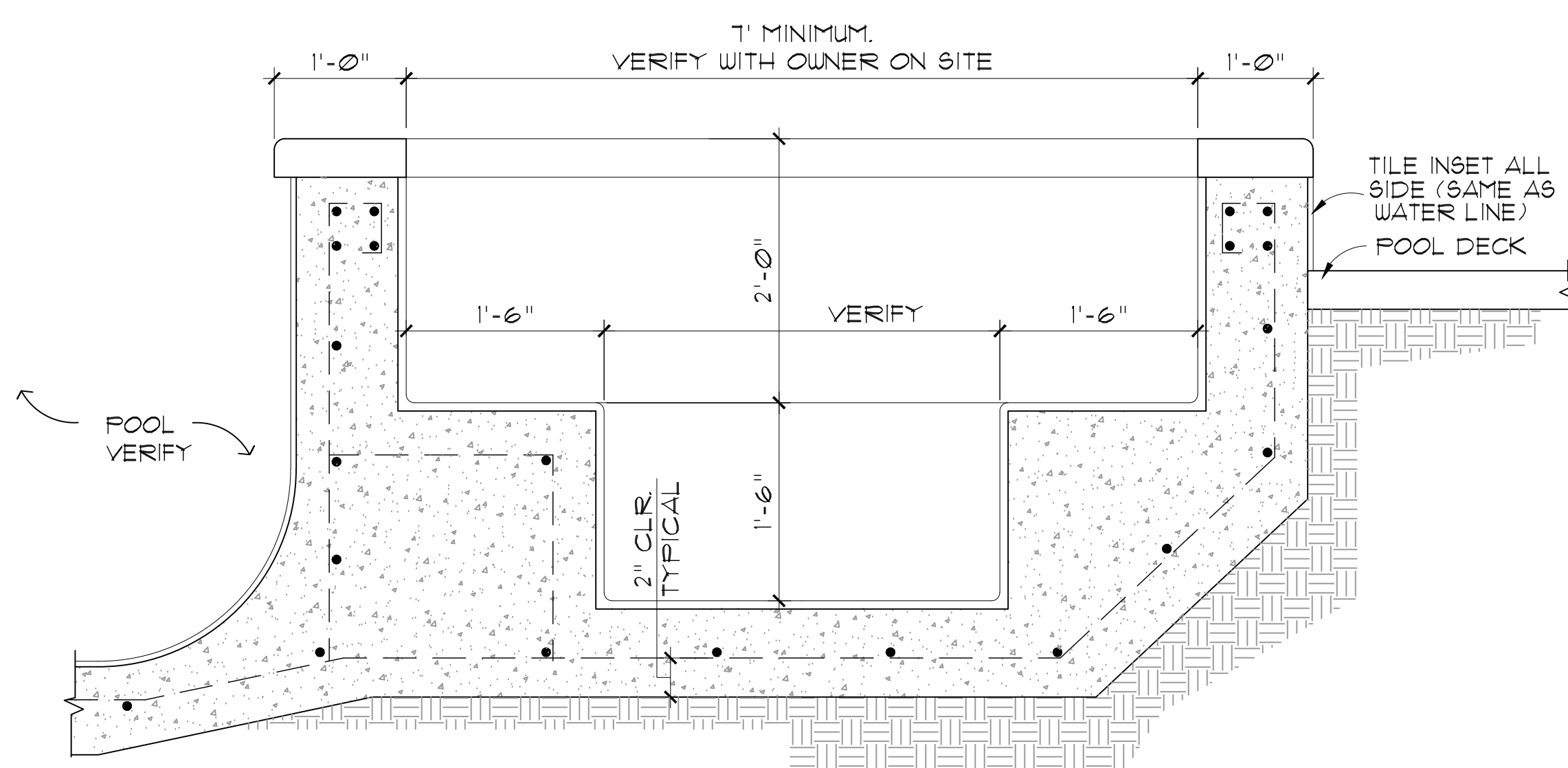
3 SKIMMER
11/2" = 1'-0"



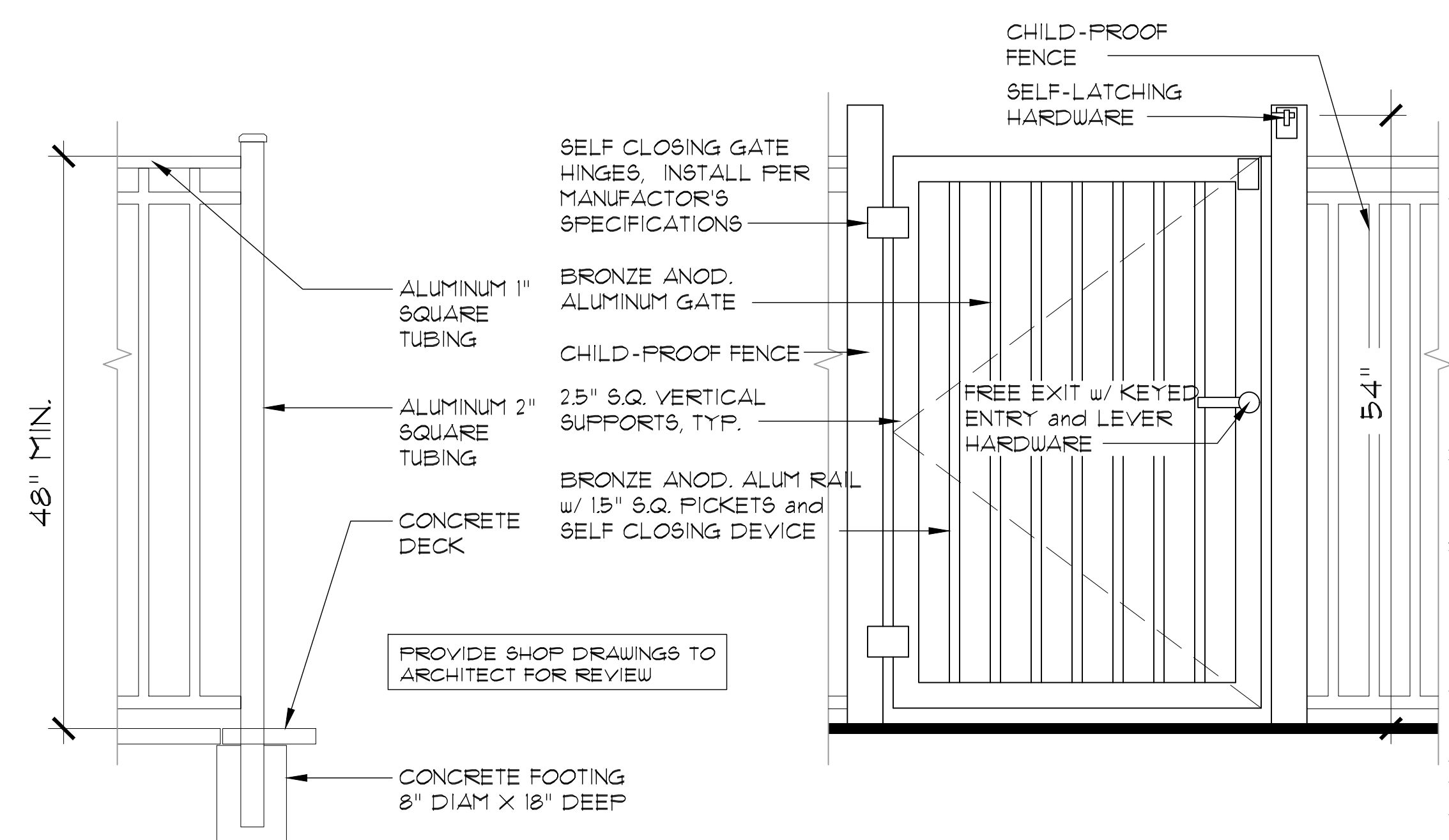
4 LIGHT NICHE
11/2" = 1'-0"



5 STEP DETAIL
1" = 1'-0"



6 SPA SECTION
1" = 1'-0"



CHILD-PROOF FENCE
NOT TO SCALE

ALUMINIUM GATE DETAIL

GENERAL NOTES

STEEL REINFORCING

STANDARD FLOOR & WALL...#4@12" O.C. EACH
WAY. WALL OVER 4'-0" DEEP...#4@6" O.C.
VERTICALLY EXTENDING 2'-0" INTO FLOOR.
REBAR SHALL BE GRADE 60. ALL STEEL
TO BE GROUNDED ELECTRICALLY.

CONCRETE

ALL CONCRETE TO BE 3000 PSI @ 28 DAYS. MINIMUM CONCRETE THICKNESS TO BE 8" WITH MINIMUM THICKNESS AT RADIUS, AND BELOW 4'-0" DEPTH, SHALL BE 12". COMPACT ALL AREAS BELOW AND AROUND POOL TO 95% OF OPTIMUM DENSITY.

ELECTRICAL

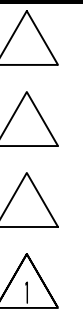
ALL ELECTRICAL WORKS SHALL CONFORM TO THE REQUIREMENT OF MAUI COUNTY AND N.E.C. ART 680 LATEST EDITION. ALL EQUIPMENT SHALL COMPLY WITH THE N.E.C. AND SHALL BE UL APPROVED, BONDING AND GROUNDING OF ALL EQUIPMENT TO REINFORCING STEEL SHALL BE WITH A.W.S. #8 COPPER CONDUCTOR. NO ELECTRICAL ATTACHMENT, RECEPTACLE OR OVERHEAD WIRING SHALL BE WITHIN 10' OF THE POOL OR SPA. ALL RECEPTACLES LOCATED BETWEEN 10' AND 15' FROM THE POOL OR SPA SHALL BE PROTECTED WITH WITH A GROUND FAULT CIRCUIT INTERRUPTOR (GFI).

POOL EQUIPMENT ROOM:

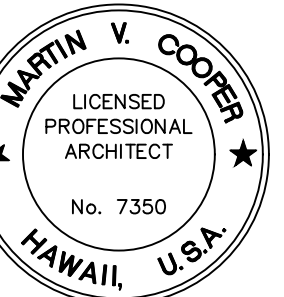
REFER TO ARCHITECTURAL PLAN(S) FOR
LOCATION and STRUCTURAL INFORMATION

CWA

P.O. BOX 1062 808 870 3274-OFFICE
UNENE, HI. 96784 marty.colb@gmail.com



 JULY 19, 2024
CLIENT REVISIONS



This work was prepared by me
or under my supervision and
construction of this project
will be under my observation.

Signature _____
License expires on 04/30/2026

POOL and SPA

PROPOSED NEW RESIDENCE FOR:
EDDER RESIDENCE
MAHANA RIDGE STREET
MAHANA ESTATES
KAPALUA, MAUI, HAWAII
T.M.K.: (2) 4 - 2 - 010 : 032

DATE: SEPT. 29, 2023

SCALE: NOTED

RAWN: MYC/SV

OB:

SHEET:

P1