



TREAT
STRUCTURAL
ENGINEERING
3537 Alameda Blvd #242
Livermore CA 94549
(925) 272-9930
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SEISMIC STRENGTHENING FUN CITY 2868 ZINFANDEL DR RANCHO CORDOVA, CA 95670

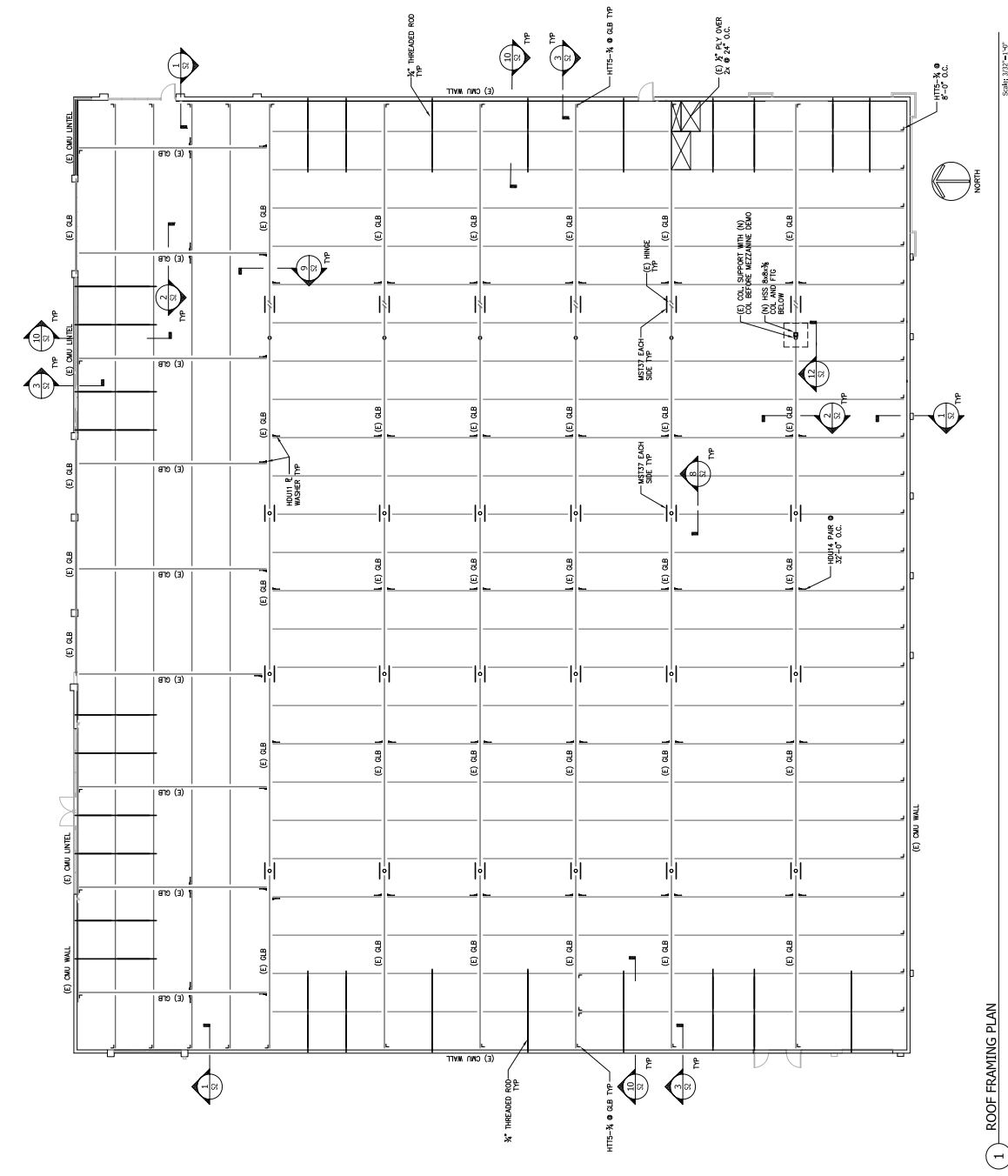
PLANS AND GENERAL NOTES

Checked By: ADT DATE: 02/09/2025

REVISION:
DATE:

PROJECT # 28023

S1



1 ROOF FRAMING PLAN

2 GENERAL NOTES

- GENERAL**
- SEE DRAWINGS OTHER THAN STRUCTURAL FOR TYPES OF FLOOR FINISH AND THEIR LOCATION. PROVIDE DIMENSIONS IN FLOOR SLABS, FOR OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECT.
 - NO PINS OR NAILS SHALL BE PLACED IN SLABS OR WALLS UNLESS SPECIFICALLY DETAILED OR APPROVED BY THE ARCHITECT.
 - DRAWINGS AND SPECIFICATIONS REPRESENT FINISHED STRUCTURE. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND CONDITIONS ARE AS SHOWN AND TO PROVIDE SHORING AND TEMPORARY BRACING. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO INSURE ADEQUATE PROTECTION TO THE SITE BY THE ARCHITECT, ENGINEER OR CONSTRUCTION MANAGER SHALL NOT RELIEVE THE CONTRACTOR OF SUCH RESPONSIBILITY.
 - OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE DRAWINGS, NOTES, AND SPECIFICATIONS SHALL BE REFERENCED TO THE ARCHITECT AND RESOLVED BEFORE PROCEEDING WITH THE WORK.
 - DO NOT USE SCALED DIMENSIONS. USE WRITTEN DIMENSIONS. WHERE NO DIMENSION IS PROVIDED, CONSULT THE ARCHITECT FOR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
 - SPECIFICATIONS UNDER THIS CONTRACT SHALL BE THE LATEST EDITIONS UNLESS OTHERWISE NOTED. SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE RETURNED PROMPTLY FROM THE SITE AND DEPOSITED IN A LOCKED DRAWER.
 - IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL CONFORM TO ALL STATE AND LOCAL LAWS GOVERNING THE WORK.
 - CONSTRUCTION SHALL BE REFERENCED TO DRAWINGS TO VERIFY THE LOCATION OF THE CONTINUING OPERATION OF THE BUILDING & SITE. CONTRACTOR TO PROVIDE APPROPRIATE BARRIERS AROUND CONSTRUCTION. COORDINATE ALL OPERATIONS WITH THE OWNER.
 - THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES BEFORE BEGINNING CONSTRUCTION. UTILITIES SHALL BE PROTECTED THROUGHOUT THE CONSTRUCTION PERIOD. SERVICE DURING CONSTRUCTION.
 - ALL FINISHES, STRUCTURAL ELEMENTS AND ARCHITECTURAL FEATURES AFFECTED BY CONSTRUCTION TO BE REPAIRED AND/OR REPLACED TO MATCH EXISTING CONSTRUCTION.
 - ALL DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. DIMENSIONS SHALL BE TO FACE UNLESS OTHERWISE NOTED. SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE RETURNED PROMPTLY FROM THE SITE AND DEPOSITED IN A LOCKED DRAWER.
- DESIGN BASIS**
- APPLICABLE CODE: CALIFORNIA BUILDING CODE, 2015 EDITION.
 - ROOF LIVE LOAD: 20 P/SF
 - SEISMIC LOADS
 - RISK CATEGORY: II
 - SEISMIC IMPORTANCE FACTOR: I=1.25
 - SEISMIC DESIGN CATEGORY: D
 - SDP = 0.55
- WOOD**
- SAWN FRAMING LUMBER - DOUGLAS FIR-LARCH;
 - JOISTS, HEADERS, BEAMS, AND POSTS: NO. 1.
 - STEEL PLATES AND BLOODING: NO. 2.
 - ALL DOCKED LUMBER AND LUMBER IN CONTACT WITH CONCRETE OR MASONRY TO BE PRESERVE PRESERVATIVE TREATED.
 - PLYWOOD OR OSB STRUCTURAL SHEATHING:
 - 1/2" APA RATED SHEATHING, 32/PA, EDP 1.
 - FRAMING LAPWARE, AS MANUFACTURED BY SIMPSON CO. OR APPROVED EQUAL SIMPSON DESIGNATIONS USED.
 - NAILS: COMMON WIRE GAGE UNLESS OTHERWISE NOTED TO CONFORM TO CBC TABLE 304.4.1.1.
 - BOLTS OR THREADED RODS: ASTM A307 OR ASTM A36.
 - ALL FASTENERS IN TREATED WOOD TO BE HOT DIPPED GALVANIZED.
- EPOXY ANCHORS**
- EPOXY IN CONCRETE SHALL BE HELIX HIT HY-200 VS. INSTALLATION SHALL COMPLY WITH LATEST ICC REPORT.
 - CARBON STEEL THREADED RODS SHALL CONFORM TO ASTM A193 GRADE B7. REINFORCING BARS SHALL COMPLY WITH ASTM A615 GRADE 60.
 - SPECIAL INSPECTION OF ANCHORS IS REQUIRED AND SHALL COMPLY WITH CHAPTER 17. INSTALLATION TO VERIFY ANCHOR TYPE, ANCHOR DIMENSION, CONCRETE STRENGTH AND TYPE, ANCHOR EMBEDMENT AND TIGHTENING TORQUE. THE SPECIAL INSPECTOR MUST VERIFY THE ANCHORS ARE INSTALLED TO THE SAME DIMENSIONS AS SHOWN ON THE DRAWINGS. PERSONNEL MAY BE PERFORMED IN THE PRESENCE OF THE SPECIAL INSPECTOR.
 - CONCRETE: USE CARE AND CAUTION TO AVOID CUTTING OR DAMAGING THE EXISTING REINFORCING BARS.
 - HOLE DRILLING AND CLEANING PROCEDURES SHALL BE FOLLOWED AS DETERMINED BY THE MANUFACTURER'S INSTRUCTIONS.
- SPECIAL INSPECTION:**
- SPECIAL INSPECTION SHALL BE PROVIDED PER CBC SECTION 1704 & 1709 FOR THE FOLLOWING: ANCHORS, REINFORCING BARS, AND EPOXY.
 - EPOXY ANCHORS.

Scale: 1/32" = 1'-0"



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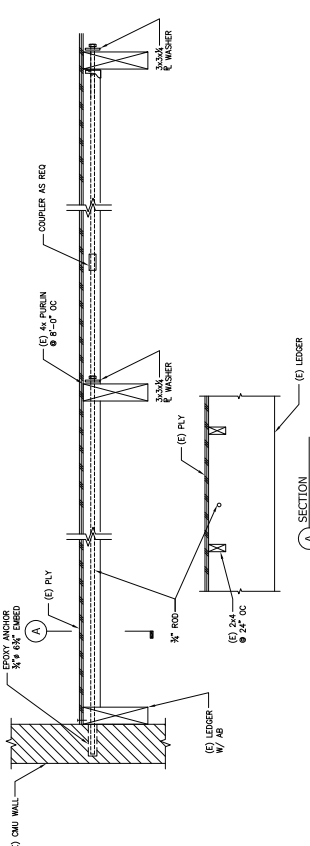
DETAILS

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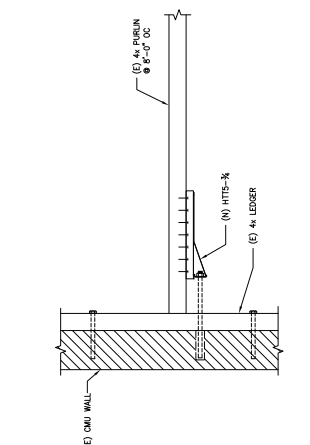
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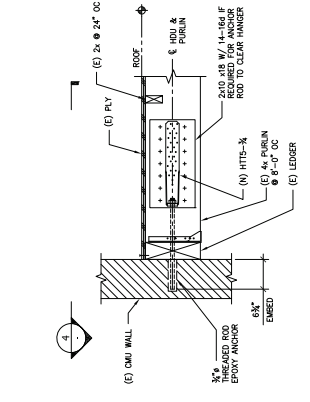
S2



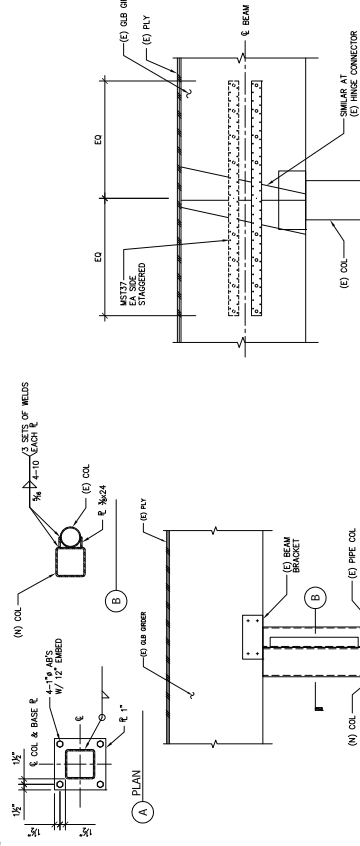
10 WALL TIE SECTION Scale: 1/2\"/>



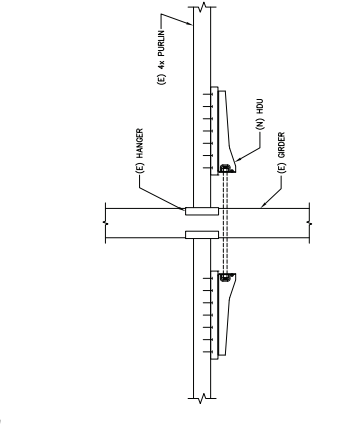
4 PURLIN WALL TIE - PLAN Scale: 1/2\"/>



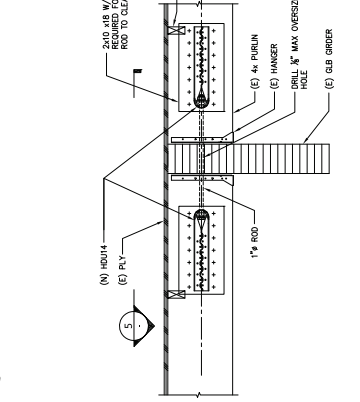
1 PURLIN WALL TIE - SECTION Scale: 1/2\"/>



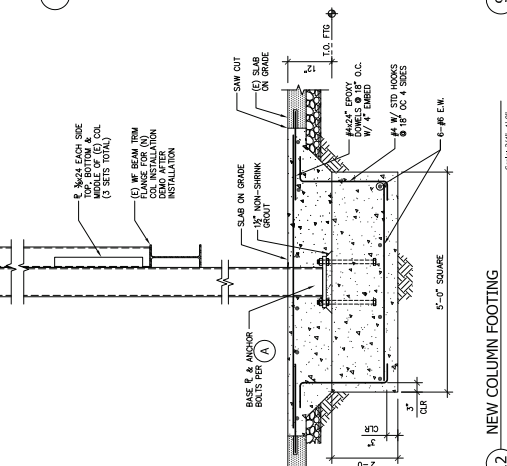
8 STRAPS AT BEAM SECTION Scale: 1/2\"/>



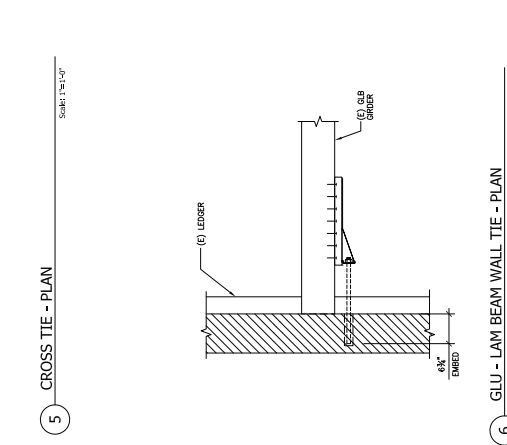
5 CROSS TIE - PLAN Scale: 1/2\"/>



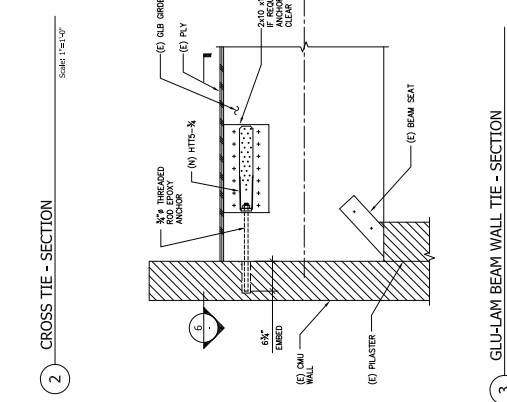
2 CROSS TIE - SECTION Scale: 1/2\"/>



9 CROSS TIE AT GIRDER SECTION Scale: 1/2\"/>



6 GLU-LAM BEAM WALL TIE - PLAN Scale: 1/2\"/>



3 GLU-LAM BEAM WALL TIE - SECTION Scale: 1/2\"/>



12 NEW COLUMN FOOTING SECTION Scale: 3/4\"/>