

GENERAL STRUCTURAL NOTES

GENERAL REQUIREMENTS

1. VERIFICATION: VERIFY ALL DIMENSIONS, ELEVATIONS AND SITE CONDITIONS BEFORE STARTING WORK. NOTIFY THE ENGINEER OF RECORD IMMEDIATELY OF ANY DISCREPANCIES.
2. CONFLICTS: NOTES AND DETAILS ON THE DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS IN CASE OF CONFLICT.
3. CODES: ALL MATERIALS AND WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2007 CBC.
4. SUBSTITUTIONS: PROVIDE MANUFACTURER'S APPROVED PRODUCT EVALUATION REPORTS (IC80 REPORTS) AND A LIST OF ALL PROPOSED SUBSTITUTIONS TO THE ENGINEER OF RECORD FOR REVIEW AND WRITTEN APPROVAL BEFORE FABRICATION.
5. SIMILAR WORK: WHERE CONSTRUCTION DETAILS ARE NOT SHOWN OR NOTED FOR ANY PART OF THE WORK, SUCH DETAILS SHALL BE THE SAME AS FOR SIMILAR WORK SHOWN IN THE DRAWINGS.
6. PIPES, DUCTS, SLEEVES, CHASES, ETC.: SHALL NOT BE PLACED IN SLABS, BEAMS, OR WALLS UNLESS SPECIFICALLY SHOWN OR NOTED. SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC., UNLESS SPECIFICALLY SHOWN. OBTAIN PRIOR WRITTEN APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC.
7. EXCAVATIONS: LOCATE AND PROTECT UNDERGROUND OR CONCEALED CONDUIT, PLUMBING OR OTHER UTILITIES WHERE NEW WORK IS BEING PERFORMED.
8. CONSTRUCTION LOADS: MATERIALS SHALL BE EVENLY DISTRIBUTED IF PLACED ON FRAMED FLOORS OR ROOFS. LOADS SHALL NOT EXCEED THE ALLOWABLE LOADING FOR THE SUPPORTING MEMBERS AND THEIR CONNECTIONS.
9. CONSTRUCTION METHODS AND PROJECT SAFETY: THE CONTRACT DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE AND NOT INDICATE METHOD, PROCEDURES OR SEQUENCE OF CONSTRUCTION. TAKE NECESSARY PRECAUTIONS TO MAINTAIN AND INSURE THE INTEGRITY OF THE STRUCTURE DURING CONSTRUCTION. NEITHER THE OWNER NOR ARCHITECT/ENGINEER WILL ENFORCE SAFETY MEASURES OR REGULATIONS. CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES INCLUDING SHORING AND BRACING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
10. CHANGES TO THE DRAWINGS: OBTAIN PRIOR WRITTEN APPROVAL.

DESIGN CRITERIA

1. DEAD LOADS: ROOF 5 PSF, DECK 5 PSF

LIVE LOADS:	
ROOF	20 PSF
DECK	40 PSF
RAILING	20 PLF
	200M
LATERAL LOADS:	
SEISMIC	
SDS	0.457g
SDI	0.289g
I	1.0
R	8.0
WIND:	
EXPOSURE	B
V	85 MPH
I	1.0

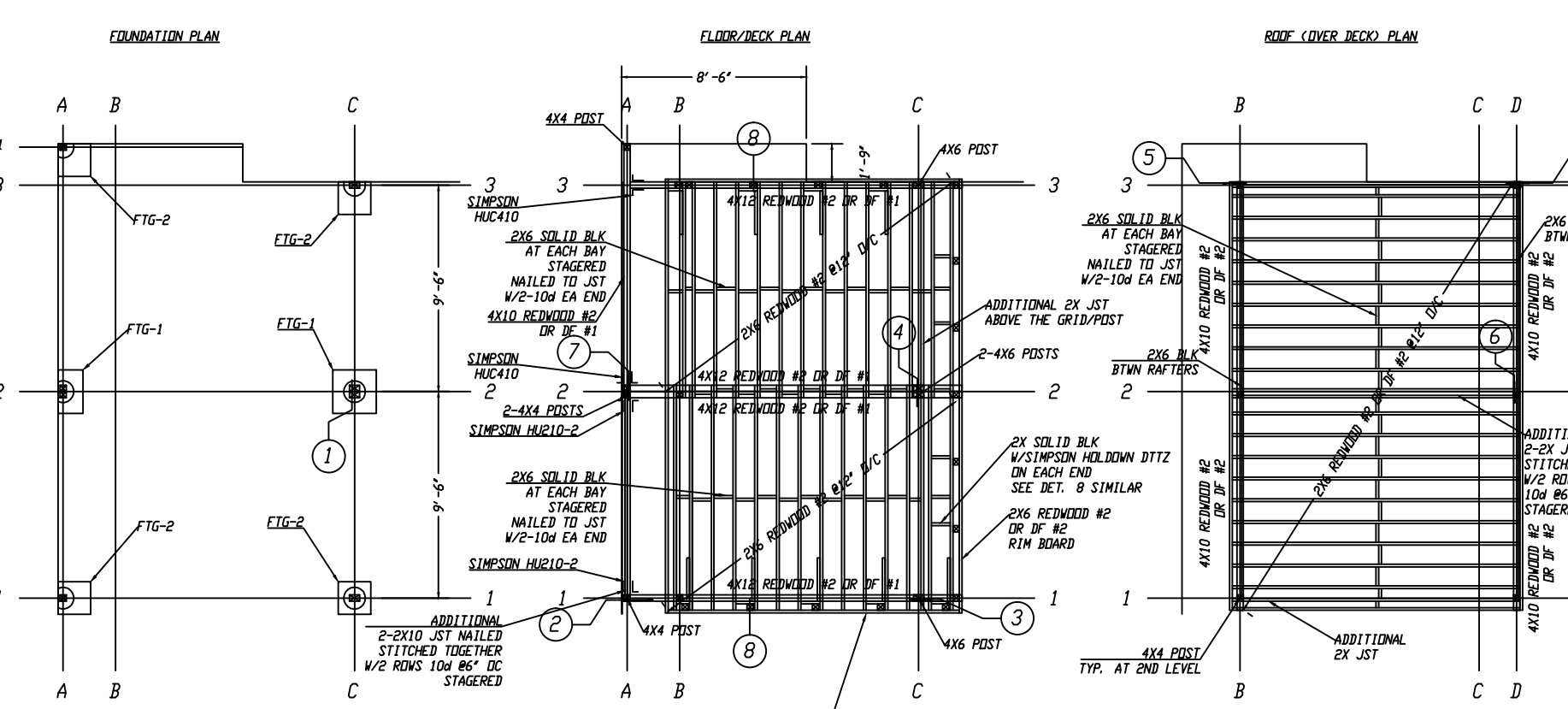
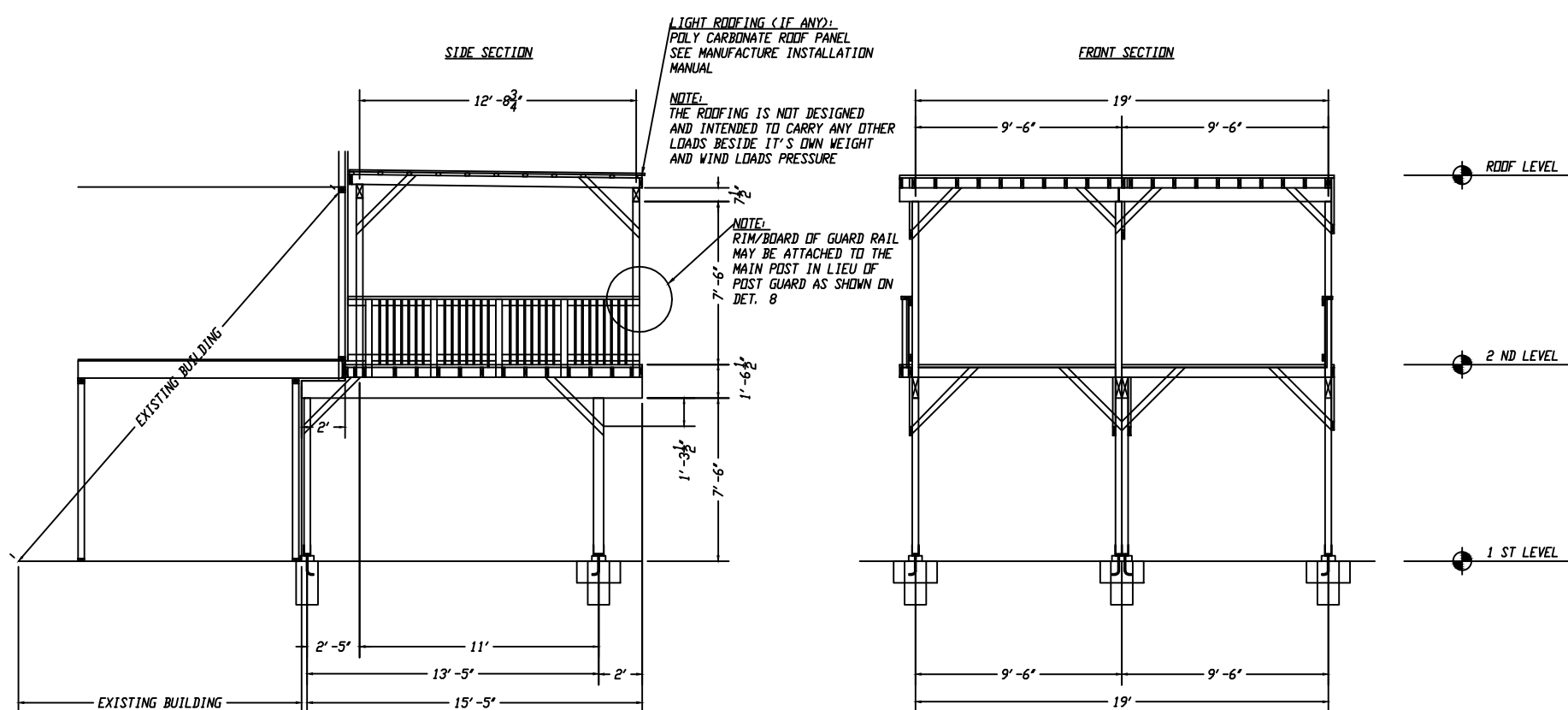
FOUNDATION

1. GEOTECHNICAL INVESTIGATION NONE
2. MINIMUM FOUNDED DEPTH & WIDTH OF FOOTINGS: BELOW LOWEST ADJACENT FINISHED GRADE 12 INCHES, WIDTH 16 INCHES
3. SOIL PRESSURES: SOIL BEARING 1,500 PSF, COEFFICIENT OF FRICTION 0.30, PASSIVE PRESSURE 150 PSF

DECK

1. THE BUILDER SHALL INSTALL FLASHING BETWEEN THE OUTDOOR DECK AND IN-HOUSE FLOOR, TO PREVENT WATER LEAKING UNDER.
2. THE BUILDER SHALL NOT PLACE A DECK DIRECTLY UNDER THE SILL OF AN EXTERIOR DOOR. A TWO TO FOUR-INCH DISTANCE BETWEEN THE THRESHOLD AND THE TOP OF THE DECK SHALL BE KEPT TO HOLD WATER FROM GETTING UNDER THE THRESHOLD AND ROTTING OUT THE SUB FLOORING.
3. THE BUILDER SHALL FILL ALL IF ANY HOLES DRILLED IN A RIM BOARD, ATTACHED TO THE BUILDING, FOR BOLTS WITH A DURABLE CAULK SUCH AS SILICONE.
4. THE FLASHING SHALL BE MADE FROM RUBBER OR COPPER, AND IT SHALL BE PROHIBITED TO USE ALUMINUM FOR THE TREATED WOOD PRODUCTS.
5. THE OWNER SHALL CONSIDER THE ANNUAL VISUAL INSPECTION OF THE DECK CONNECTIONS AND MAIN SUPPORTING MEMBERS, AT LEAST ONCE A YEAR, AND REPORT ANY DAMAGE OR LOOSE CONNECTION TO THE PROPER ENGINEER OR BUILDING DEPARTMENT FOR REPAIR.

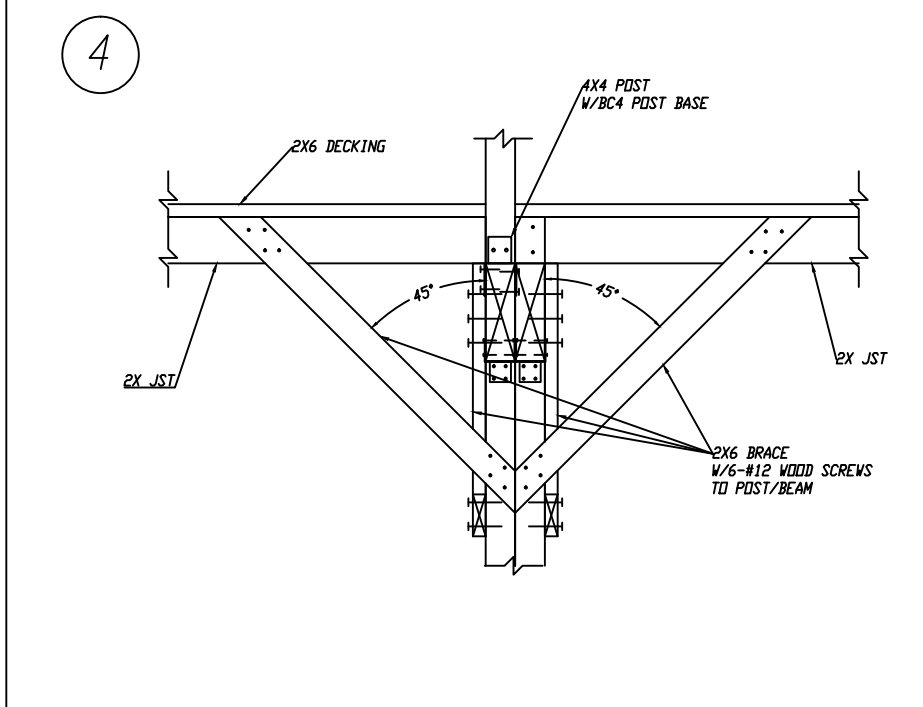
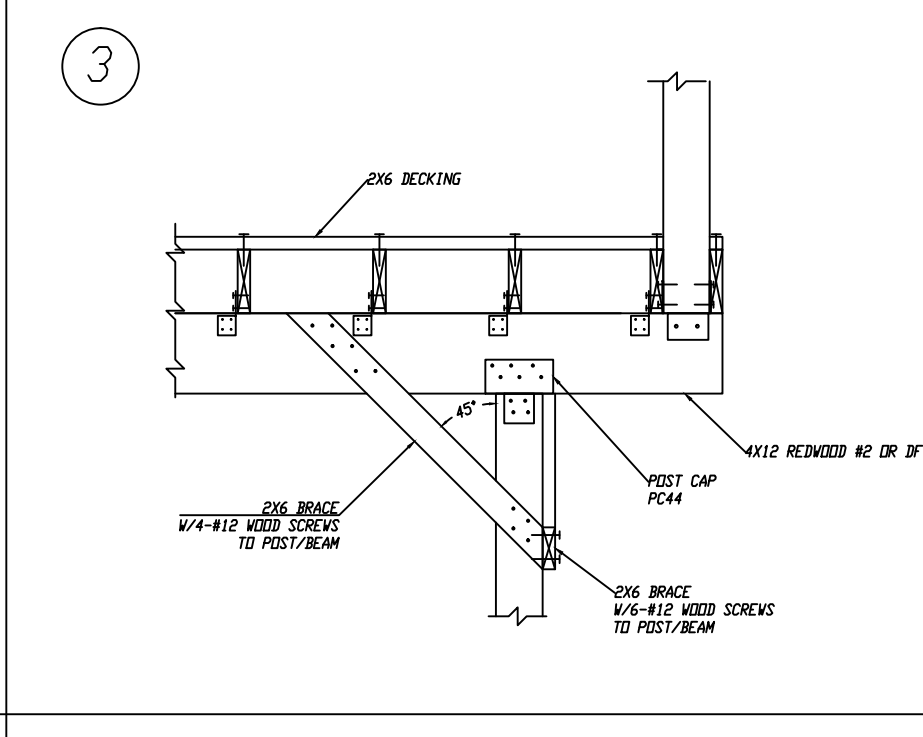
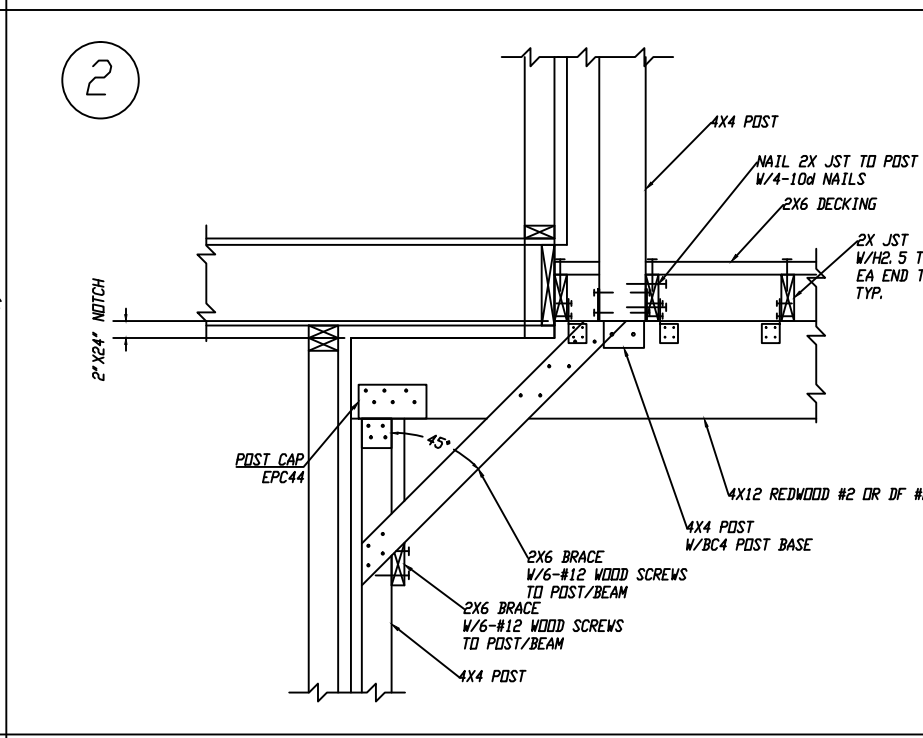
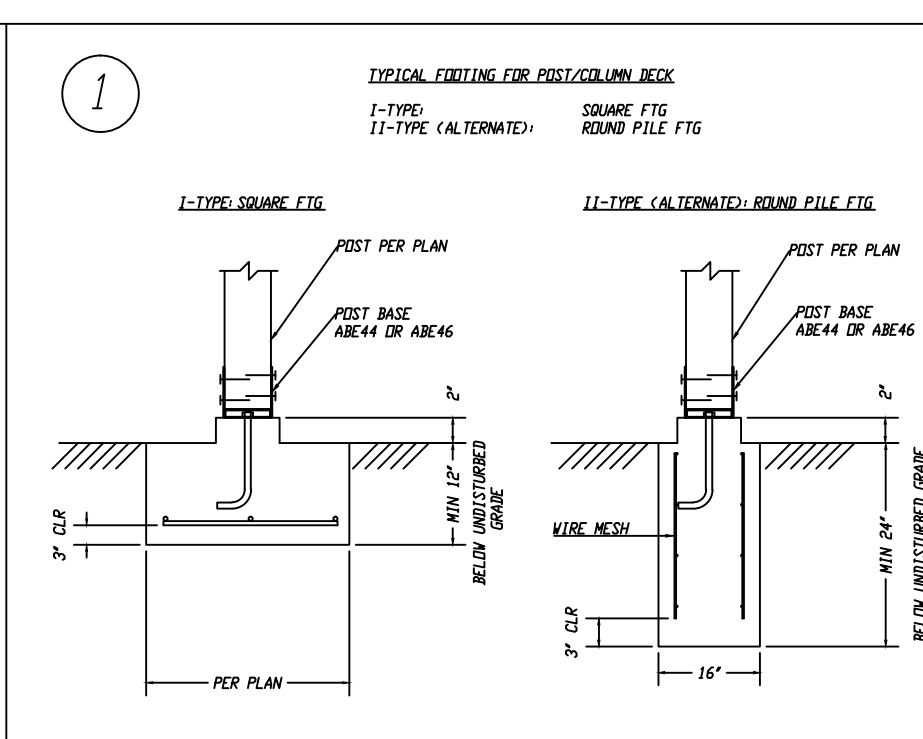
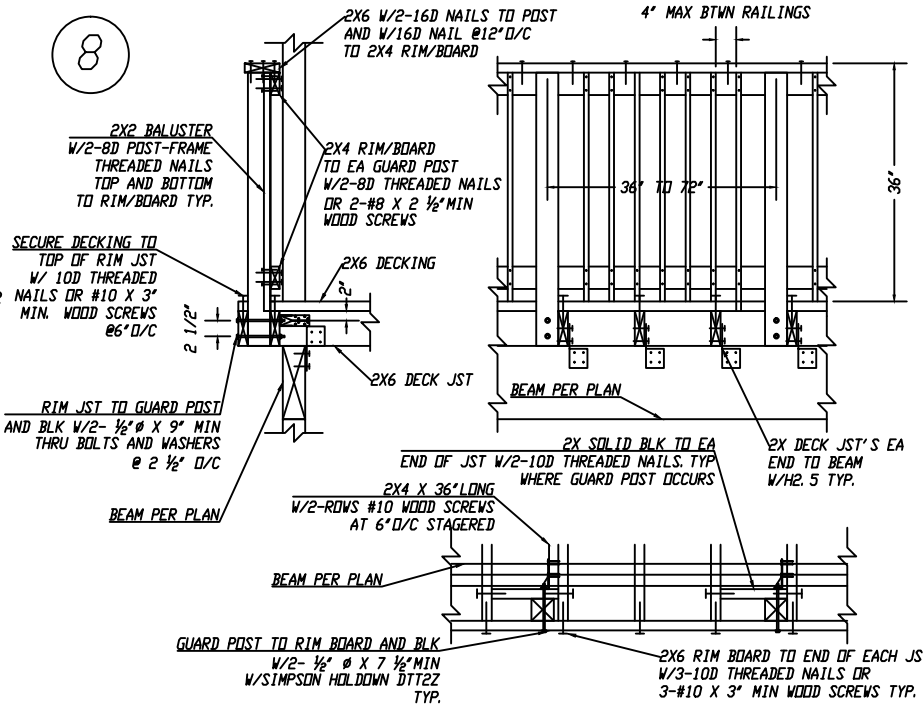
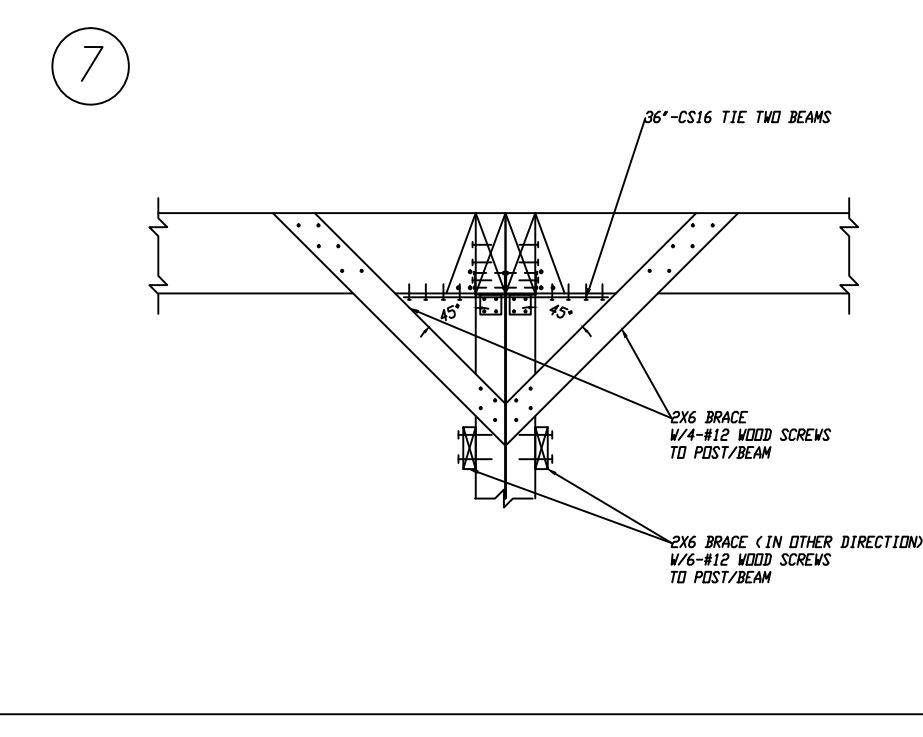
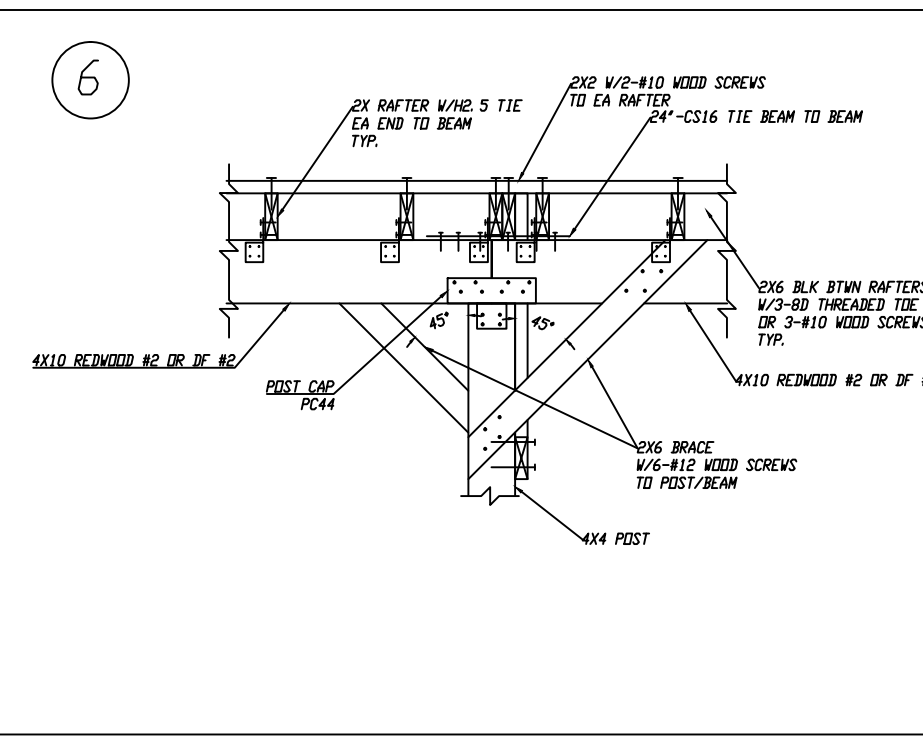
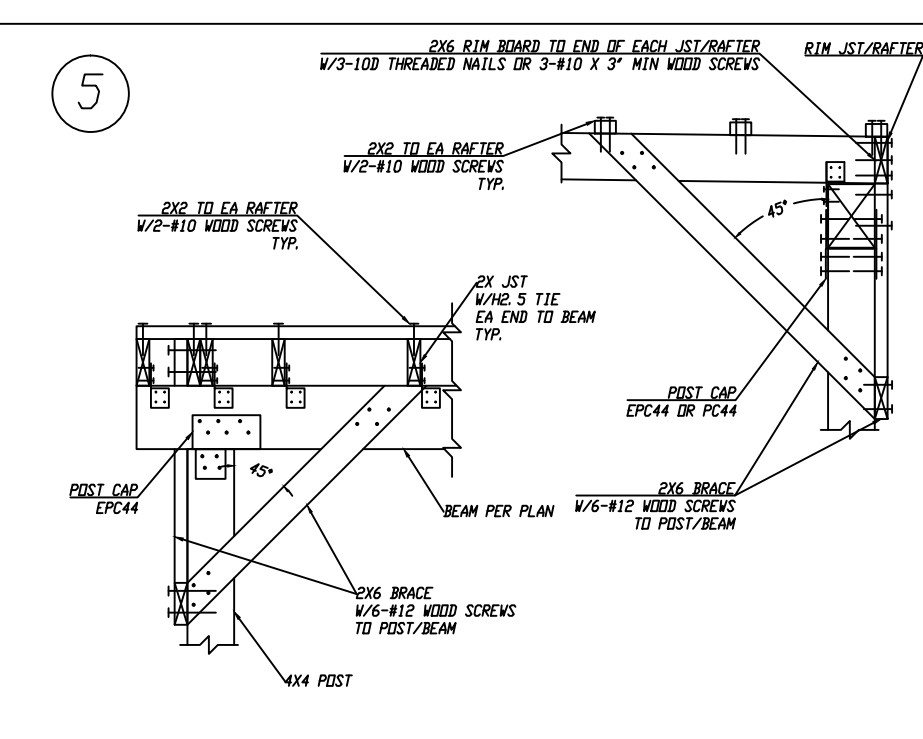
WOOD CBC CHAPTER 23



SQUARE FOOTING SCHEDULE

FTG-1	24" SQ X 12" DEEP W/2-44" S EA WAY
FTG-2	16" SQ X 12" DEEP W/2-44" S EA WAY

1. GRADE STAMPED REDWOOD #2 OR BETTER OR DOUGLAS FIR #2 OR BETTER.
2. NAILS: COMMON WIRES UNLESS OTHERWISE NOTED. EDGE OR END DISTANCES IN THE DIRECTION OF STRESS SHALL NOT BE LESS THAN ONE HALF OF THE REQUIRED PENETRATION. THE SPACING CENTER TO CENTER OF NAILS IN THE DIRECTION OF STRESS SHALL NOT BE LESS THAN THE REQUIRED PENETRATION. HOLES FOR NAILS, WHERE NECESSARY TO PREVENT SPLITTING, SHALL BE BORED TO A DIAMETER SMALLER THAN THAT OF THE NAIL.
3. LAG SCREW CLEARANCE & LEAD HOLES SHALL BE BORED AS FOLLOWS: THE CLEARANCE HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AS THE SHANK, AND THE SAME DEPTH OF PENETRATION AS THE LENGTH OF UNTHREADED SHANK. THE LEAD HOLE FOR THE THREADED PORTION SHALL HAVE A DIAMETER EQUAL TO 60% TO 75% OF THE SHANK DIAMETER AND A LENGTH EQUAL TO AT LEAST THE LENGTH OF THE THREADED PORTION.
4. CUT STEEL WASHERS: FOR BOLTS, LAGS AND NUTS, UN.
5. FRAMING CONNECTORS: PER MANUFACTURER'S APPROVED PRODUCT EVALUATION REPORTS (IC80 REPORTS) AND INSTALLED ACCORDINGLY. SIZE AND NUMBER OF NAILS TO BE MAXIMUM SPECIFIED BY THE MANUFACTURER UN.
6. NAILED/SCREWED HOLD DOWN ANCHORS: INSTALL PER MANUFACTURER'S APPROVED (IC80) PRODUCT EVALUATION REPORT. INSTALL HOLD DOWNS 1/2" THICK MINIMUM ABOVE THE PLATE/BEAM TO ALLOW FOR TIGHTENING ANCHOR BOLT. THE HOLD DOWN SHALL BE INSTALLED TIGHT TO THE HOLD DOWN POST WITHOUT FILLERS OR DAPPING. DO NOT BEND HOLD DOWN ANCHORS.
7. FULL DEPTH SOLID BLOCKING OR CROSS BRACING: INSTALLED AT INTERVALS NOT EXCEEDING 8 FEET FOR ALL JOISTS AND RAFTERS.
8. CUTTING AND NOTCHING: DO NOT CUT, BORE, COUNTERSINK OR NOTCH WOOD MEMBERS EXCEPT WHERE SHOWN IN THE DETAILS. HOLES THROUGH PLATES, STUDS AND DOUBLE PLATES IN WALLS SHALL NOT EXCEED 40% THE MEMBER WIDTH AND SHALL BE LOCATED IN THE CENTER OF THE MEMBER.
9. END SUPPORT: ROOF AND FLOOR JOISTS OVER 4 INCHES DEEP SHALL HAVE THEIR ENDS HELD IN POSITION WITH EITHER: FULL DEPTH SOLID BLOCKING; NAILED BRIDGING; NAILING OR BOLTING TO OTHER FRAMING MEMBERS; OR APPROVED JOIST HANGERS.
10. GALVANIZING: ALL EXPOSED STEEL TIMBER HARDWARE, FASTENERS AND CONNECTORS.



DATE ISSUED: FEB. 2010  
 REVISIONS: BY  
 MAY 2010 ATK

STRUCTURAL NOTES & DETAILS

PROJECT: FRANCHUK'S DECK  
 SACRAMENTO, CALIFORNIA

DESIGNED BY: ARKADIUSZ 'TOM' KULA  
 8142 SUMMIT DR. #206  
 SACRAMENTO, CA 95822  
 (916) 555-3522

CHECKED BY: T. KULA

SHEET NO. S01