

DESCRIPTION OF TYPE OF INSPECTION REQUIRED, REFERENCE DETAIL	CONTRACT	PERIODIC	DESIGN STRENGTH
OIL			
OIL MATERIAL BELOW FOUNDATIONS FOR ADEQUACY TO ACHIEVE DESIGN BEARING CAPACITY		X	
CAVIGATIONS EXTENDING TO PROPER DEPTH AND BEARING STRATA		X	
BASE OF CONTROLLED FILL MATERIAL		X	
GRADE AND SITE PREPARATION PRIOR TO PLACEMENT OF CONTROLLED FILL		X	
SEGMENT AND COMPACTION OF CONTROLLED FILL; INCLUDING RELATIVE DENSITY AND LIFT THICKNESS	X		
OIL EXPANSION TEST RESULTS; INCLUDING EXPANSION INDEX, RECOMMENDATIONS FOR FOUNDATION AND FLOOR SLAB DESIGN		X	

2. NOT USED
3. AT TIME OF PIER DRILLING, RECORD THE FOLLOWING:
 - A. PIER DIAMETER
 - B. BELL DIAMETER (IF APPLICABLE)
 - C. PIER LENGTH AND EMBEDMENT INTO FORMATIONAL MATERIAL (IF APPLICABLE)
 - D. DETERMINE ADEQUATE END BEARING STRATA TO ACHIEVE DESIGN CAPACITY
3. AT TIME OF CONCRETE SAMPLING:
 - A. FABRICATE SPECIMENS FOR HIGH-STRENGTH TESTS
 - B. FABRICATE SPECIMENS FOR DRYING SHRINKAGE TESTS WHERE REQUIRED
 - C. PERFORM SLUMP AND AIR CONTENT TESTS
 - D. DETERMINE CONCRETE TEMPERATURE
4. NOT USED
5. NOT USED
6. NOT USED
7. NOT USED
8. VERIFICATION MAY BE BY VISUAL INSPECTION OR CERTIFICATE OF COMPLIANCE. HIGH-STRENGTH BOLTS, NUTS AND WASHERS MAY BE REQUIRED TO BE SAMPLED, TESTED AND INSPECTED BY THE BUILDING OFFICIAL. INSPECTOR SERVICES DIVISION PRIOR TO INSTALLATION.
9. HIGH-STRENGTH BOLTS, NUTS AND WASHERS WHICH ARE NOT MELTED AND NOT IDENTIFIED BY THE INSPECTOR STATES SHALL BE SAMPLED AND TESTED AND SHALL BE APPROVED BY THE BUILDING OFFICIAL PRIOR TO INSTALLATION.
10. PERIODIC INSPECTION SHALL BE PERMITTED FOR HIGH-STRENGTH BOLTS IN BEARING TYPE CONNECTIONS. VERIFICATION MAY BE VISUAL INSPECTION THAT THE SELECTED MATERIALS HAVE BEEN DRAWN TOGETHER AND PROPERLY SNUGGED.
11. PERIODIC INSPECTION SHALL BE PERMITTED FOR HIGH-STRENGTH BOLTS IN SLIP-CRITICAL TYPE CONNECTIONS WHERE BOLT TENSION IS VERIFIED BY ANY OF THE FOLLOWING METHODS:
 - A. TURN-OF-NUT METHOD USING MATCH-MARKING TECHNIQUES.
 - B. PRECISION TENSION INDICATOR METHOD.
 - C. ALTERNATE DESIGN FASTENER (TIGHT-OF-BOLT) METHOD.
12. VERIFY THE FOLLOWING RELATING TO THE INSTALLATION OF POST-INSTALLED ANCHORS:
 - A. CONCRETE TYPE AND COMPRESSIVE STRENGTH AND THICKNESS.
 - B. HOLE DIMENSIONS AND CLEANING PROCEDURES.
 - C. ANCHOR TYPE, DIMENSIONS, EMBEDMENT, SPACING, EDGE DISTANCE AND TIGHTENING TORQUE.
 - D. ADHESIVE TYPE, EXPIRATION DATE AND STORAGE PROCEDURES.
13. THE SPECIAL INSPECTOR SHALL CONTINUOUSLY INSPECT THE INITIAL INSTALLATION OF EACH TYPE AND SIZE OF ADHESIVE ANCHOR BY EACH INSTALLER. SUBSEQUENT INSTALLATIONS OF THE SAME TYPE AND SIZE OF ANCHOR BY THE SAME INSTALLER MAY BE PERFORMED ON A PERIODIC BASIS.
14. NOT USED
15. NOT USED

No.	DESCRIPTION OF TYPE OF INSPECTION REQUIRED REFERENCE DETAIL	DWY/02.05	PERIODIC	DESIGN STRENGTH
	SOIL			
	SOIL MATERIAL BELOW FOUNDATIONS FOR PROXIMITY TO ACCESS		X	
	DESIGN BEARING CAPACITY			
	EXCAVATIONS EXTENDING TO PROPER DEPTH AND BEARING STRATA		X	
	CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIAL		X	
	SUBGRADE AND SITE PREPARATION PRIOR TO PLACEMENT OF CONTROLLED FILL		X	
	PLACEMENT AND COMPACTION OF CONTROLLED FILL INCLUDING RELATIVE DENSITY AND LIFT THICKNESS		X	
	SOIL EXPANSION TEST RESULTS INCLUDING EXPANSION INDEX, RECOMMENDATIONS FOR FILL FOUNDATION AND FLOOR SLAB DESIGN		X	
	PIER FOUNDATIONS			
	DRILLING OPERATION AND RECORD-KEEPING FOR EACH PIER (SEE FOOTNOTE 2)		X	
	PIER PLACEMENT LOCATION AND DIMENSIONS		X	
	CONCRETE			
	SHAPE, LOCATION AND DIMENSION OF CONCRETE FORMWORK PRIOR TO PLACEMENT OF REINFORCING		X	
	REINFORCING STEEL MATERIAL		X	
	CERTIFIED MILL TEST RESULTS FOR EACH SHIPMENT OF REINFORCING STEEL MATERIAL, TO INCLUDE SHEAR WALL BOUNDARY ZONES			
	PLACEMENT OF REINFORCING STEEL PRIOR TO CLOSING OF FORMS OR DELIVERY OF CONCRETE		X	
	PIER REINFORCEMENT SYSTEM IDENTIFICATION		X	
	PLACEMENT OF SHEAR REINFORCEMENT SYSTEMS PRIOR TO CLOSING OF FORMS OR DELIVERY OF CONCRETE		X	
	INSTALLATION OF EMBEDDED BOLTS PRIOR TO AND DURING CONCRETE PLACEMENT		X	
	CONCRETE MIX VERIFICATION AT TIME OF DELIVERY		X	
	SAMPLING OF FRESH CONCRETE (SEE FOOTNOTE 5)		X	
	TESTING OF CONCRETE STRENGTH FOR CONFORMANCE WITH THE CONSTRUCTION DRAWING REQUIREMENTS		X	
	TESTING OF CONCRETE DRYING SHRINKAGE FOR CONFORMANCE WITH THE CONSTRUCTION DRAWING REQUIREMENTS		X	
	APPLICATION TECHNIQUES OF CONCRETE PLACEMENT		X	
	MAINTENANCE OF REQUIRED CURING TEMPERATURE AND TECHNIQUES		X	
	REINFORCING STEEL WELDING			
	WELDING PROCEDURES PRIOR TO THE START OF WORK		X	
	QUALIFICATIONS OF WELDERS PRIOR TO THE START OF WORK		X	
	WELDABILITY OF REINFORCING STEEL OTHER THAN ASTM A 706		X	
	MATERIAL OF WELD FILLER MATERIAL		X	
	WELDS OF REINFORCING STEEL IN BOUNDARY ZONES OF SHEAR WALLS		X	
	WELDS OF SHEAR REINFORCING STEEL IN BEAMS AND WALLS		X	
	WELDS OF OTHER REINFORCING STEEL		X	
	REINFORCING STEEL COUPLERS AND TERMINATORS			
	IDENTIFICATION OF COUPLER OR TERMINATOR HARDWARE		X	
	REINFORCING BAR PENETRATION AND TIGHTENING IN COUPLER OR TERMINATOR		X	
	STRUCTURAL STEEL			
	STRUCTURAL STEEL FRAMING AND CONNECTIONS CONFIGURATION		X	
	HIGH-STRENGTH BOLTING			
	MATERIAL OF HIGH STRENGTH BOLTS, NUTS AND WASHERS (SEE FOOTNOTES 8 & 9)		X	
	INSTALLATION OF HIGH STRENGTH BOLT BEARING-TYPE CONNECTIONS		X	FOOT NOTE 10
	PREINSTALLATION TESTING AND CALIBRATION PROCEDURE (SLIP- CRITICAL TYPE CONNECTIONS)		X	
	INSTALLATION OF HIGH STRENGTH BOLTS (SLIP-CRITICAL TYPE CONNECTIONS)		X	FOOT NOTE 11
	WELDING OF STRUCTURAL STEEL			
	WELDING PROCEDURES PRIOR TO THE START OF WORK		X	
	QUALIFICATIONS OF WELDERS PRIOR TO THE START OF WORK		X	
	WELD FILLER MATERIALS		X	
	EXECUTION OF GROOVE WELDS		X	
	EXECUTION OF MULTI PASS FILLET WELDS		X	
	EXECUTION OF SINGLE PASS FILLET WELDS LARGER THAN 1/2 INCH		X	
	EXECUTION OF SINGLE PASS FILLET WELDS 1/2 INCH OR SMALLER		X	
	INSTALLATION OF STEEL FLOOR OR ROOF DECK		X	
	INSTALLATION OF WELDED STUDS AT THE STRUCTURAL DIAPHRAGM		X	
	INSTALLATION OF WELDED STUDS AT LOCATIONS OTHER THAN JOIST DIAPHRAGMS		X	
	WELDING OF STAIRS AND RAILING SYSTEMS		X	
	POST-INSTALLED ANCHORS			
	INSTALLATION OF MECHANICAL ANCHORS (SEE FOOTNOTE 12)		X	
	JOISTE STORAGE OF ANCHORS PRIOR TO INSTALLATION FOR CONFORMANCE WITH MANUFACTURER'S REQUIREMENTS		X	
	INITIAL INSTALLATION OF ADHESIVE ANCHORS (SEE FOOTNOTE 12)		FOOT NOTE 13	
	SUBSEQUENT INSTALLATION OF ADHESIVE ANCHORS (SEE FOOTNOTE 12)		FOOT NOTE 14	
	MECHANICAL AND ELECTRICAL COMPONENTS			
	THE FOLLOWING SYSTEMS ARE DESIGNATED SEISMIC SYSTEMS AS DEFINED IN SECTION 1102.1 OF THE BUILDING CODE. REQUIRE EQUIPMENT IDENTIFICATION AND INSPECTIONS APPLY TO EACH OF THE FOLLOWING:			
	A. FIRE SUPPRESSION SYSTEMS			
	B. EMERGENCY OR STANDBY POWER SYSTEMS			
	C. SYSTEMS INTENDED TO CARRY FLAMMABLE, COMBUSTIBLE OR HIGHLY TOXIC CONTENTS			
	D. HVAC EQUIPMENT AND DUCTWORK CONTAINING HAZARDOUS MATERIALS			
	E. SYSTEMS WHERE THE REQUIRED CLEARANCE BETWEEN EQUIPMENT SUPPORT FRAME AND RESTRAINT IS 1 INCH OR LESS			
	MANUFACTURER'S CERTIFICATE OF COMPLIANCE FOR TESTING OR ANALYSIS OF COMPONENTS, MOVING SYSTEMS OR ANCHORAGE		X	
	INSTALLATION OF EQUIPMENT ANCHORAGE		X	
	OTHER			
	SPRAYED FIRE-RESISTANT MATERIAL IN ACCORDANCE WITH SECTION 1104.10 OF THE BUILDING CODE		X	
	ERECTION AND FASTENING OF EXTERIOR CURTAIN WALL SYSTEMS WEIGHING MORE THAN 5 PSF IN STRUCTURES EXCEEDING 30 FT IN HEIGHT		X	
	ERECTION AND FASTENING OF INTERIOR PARTITION SYSTEMS WEIGHING MORE THAN 15 PSF IN STRUCTURES EXCEEDING 30 FEET IN HEIGHT		X	

1. THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL ACTING AS THE OWNER'S AGENT SHALL EMPLOY A SPECIAL INSPECTION AGENCY TO PROVIDE INSPECTION DURING CONSTRUCTION OF THE TYPES OF WORK LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS.
2. SPECIAL INSPECTION SHALL BE PERFORMED IN ADDITION TO INSPECTION BY THE BUILDING OFFICIAL AS REQUIRED IN SECTION 104 OF THE BUILDING CODE. SPECIAL INSPECTION SHALL BE PERFORMED IN CONFORMANCE WITH THE BUILDING OFFICIAL.
3. WHEN WORK IN MORE THAN ONE CATEGORY OF WORK REQUIRING SPECIAL INSPECTION IS TO BE PERFORMED SIMULTANEOUSLY, OR THE GEOGRAPHIC LOCATION OF THE WORK REQUIRES SPECIAL INSPECTION, THE BUILDING OFFICIAL, IN CONFORMANCE WITH THE STATEMENT OF SPECIAL INSPECTIONS AND SECTION 104 OF THE BUILDING CODE, SHALL REQUIRE THE SPECIAL INSPECTION AGENCY RESPONSIBILITY TO EMPLOY A SUFFICIENT NUMBER OF INSPECTORS TO ASSURE THAT THE REQUIRED WORK IS INSPECTED.
4. THE SPECIAL INSPECTION AGENCY SHALL BE APPROVED BY THE BUILDING OFFICIAL. INSPECTION OF THE FASTENING TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION:
 - A. SOIL INSPECTIONS SHALL BE PERFORMED BY THE GEOTECHNICAL ENGINEER OF RECORD.
 - B. SHOCK AND VIBRATION INSPECTIONS SHALL BE PERFORMED BY A MECHANICAL ENGINEER OF RECORD.
 - C. WHEN THIS REQUIREMENT IS WAIVED BY THE BUILDING OFFICIAL.
5. THE CONSTRUCTION MATERIALS TESTING LABORATORY SHALL BE APPROVED BY THE BUILDING OFFICIAL FOR THE TESTING OF MATERIALS, SYSTEMS, AND COMPONENTS AND SHALL SUBMIT THE CONTRACTOR'S STATEMENT OF SPECIAL INSPECTION TO THE BUILDING OFFICIAL.
6. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF THE MAIN SEISMIC-FORCE-RESISTING SYSTEM SHALL SUBMIT A STATEMENT OF RESPONSIBILITY TO THE OWNER AND BUILDING OFFICIAL PRIOR TO COMMENCEMENT OF WORK. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
 - A. ACKNOWLEDGEMENT OF THE REQUIREMENTS OF SPECIAL INSPECTIONS.
 - B. ACKNOWLEDGEMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
 - C. PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, INCLUDING THE METHOD AND FREQUENCY OF REPORTING TO THE OWNER AND THE BUILDING OFFICIAL.
 - D. IDENTIFICATION AND QUALIFICATION OF THE PERSON(S) IN THEIR ORGANIZATION WHO ARE EXERCISING SUCH CONTROL.
7. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO NOTIFY THE SPECIAL INSPECTION AGENCY OF ANY WORK THAT THE CONTRACTOR IS ABOUT TO PERFORM ANY WORK THAT REQUIRES SPECIAL INSPECTION.
8. WORK REQUIRING SPECIAL INSPECTION THAT IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF THE BUILDING OFFICIAL IS SUBJECT TO REMOVAL OR EXPOSURE AT THE CONTRACTOR'S EXPENSE.

REQUIRED REPORTS:

1. A SOILS INSPECTION REPORT, SIGNED, STAMPED AND DATED BY THE GEOLOGICAL ENGINEER OF RECORD, SHALL BE SUBMITTED TO AND APPROVED BY THE BUILDING OFFICIAL PRIOR TO THE CONTRACTOR COMMENCING THE BUILDING OF THE FOUNDATION AND TO THE PLACEMENT OF FOUNDATION CONCRETE. THE REPORT SHALL STATE THAT:
 - A. THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT.
 - B. THE UTILITY TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED.
 - C. THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.
2. THE SPECIAL INSPECTION SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
3. SPECIAL INSPECTION REPORTS SHALL INDICATE THAT THE WORK INSPECTED WAS PERFORMED IN CONFORMANCE WITH THE APPROVED CONSTRUCTION DOCUMENTS.
4. THE TESTING LABORATORY SHALL FURNISH REPORTS OF MATERIAL TESTS TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE.
5. LABORATORY TESTING REPORTS SHALL INDICATE THAT THE TESTED MATERIALS CONFORM TO THE REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS.
6. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION.
 - A. IF DISCREPANCIES ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO COMPLETION OF THAT PHASE OF WORK.
7. A FINAL REPORT DOCUMENTING THE REQUIRED SPECIAL INSPECTIONS, MATERIAL TESTS AND LABORATORY TESTING SHALL BE SUBMITTED TO THE INSPECTIONS SHALL BE SUBMITTED AT A POINT IN TIME AGREED UPON BY THE PERSON APPLICANT AND THE BUILDING OFFICIAL PRIOR TO THE START OF WORK.
9. A PROPERTY OWNER'S FINAL REPORT FORM FOR WORK REQUIRED TO HAVE SPECIAL INSPECTIONS, MATERIAL TESTING AND STRUCTURAL OBSERVATIONS MUST BE COMPLETED BY THE PROPERTY OWNER. PROPERTY OWNER'S AGENT OR ARCHITECT MUST SIGN AND DATE THE REPORT, OF RECORD AND SUBMITTED TO THE INSPECTION SERVICES DIVISION.

1. WHERE CONTINUOUS SPECIAL INSPECTION IS REQUIRED, THE SPECIAL INSPECTOR SHALL CONTINUOUSLY PROVIDE FULL-TIME VERIFICATION OF THE WORK.
2. WHERE PERIODIC SPECIAL INSPECTION IS REQUIRED, THE SPECIAL INSPECTOR NEED NOT BE CONTINUOUSLY PRESENT DURING THE WORK WHERE PERIODIC INSPECTION IS INDICATED. AS A MINIMUM, PERIODIC SPECIAL INSPECTION SHALL OCCUR DAILY.

OFF-SITE FABRICATION:

1. SPECIAL INSPECTION IS REQUIRED FOR THE OFF-SITE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES, UNLESS THE FABRICATION IS PERFORMED BY AN APPROVED WORKMANSHIP AND THE FABRICATOR IS QUALIFIED FOR OFF-SITE FABRICATION, BE SUBJECT TO THE BUILDING OFFICIAL FOR APPROVAL PRIOR TO COMMENCING ANY FABRICATION WORK REQUIRING SPECIAL INSPECTION.
2. A CERTIFICATE OF COMPLIANCE FOR OFF-SITE FABRICATION MUST BE COMPLETED BY THE SPECIAL INSPECTOR AND SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO ERECTION OF PREFABRICATED COMPONENTS.
3. SPECIAL INSPECTION SHALL INCLUDE VERIFICATION THAT THE FABRICATOR MAINTAINS DETAILED FABRICATION AND QUALITY CONTROL PROCEDURES THAT PROVIDE A BASIS FOR THE DETERMINATION OF WORKMANSHIP AND THAT THE FABRICATOR'S ABILITY TO CONFORM TO THE APPROVED CONSTRUCTION DOCUMENTS AND REFERENCED STANDARDS.
4. SPECIAL INSPECTION SHALL INCLUDE REVIEW OF THE PROCEDURES FOR QUALITY CONTROL AND ADEQUACY RELATIVE TO THE REQUIREMENTS OF THE BUILDING CODE.

2880 TORREY PINES SCENIC DRIVE
LA JOLLA, CALIFORNIA 92037

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LA JOLLA, CALIFORNIA 92037

H O P E CONSULTANTHOPE Engineering2028E StreetSan Diego, CA 92101TEL (619) 525-4873 FAX (619) 525-4875Lunkford/Phelps Consortium LLC200 W. Broadway Suite B San Diego, CA 92101 TEL (619) 592-5846 FAX (619) 592-5847 FENTRESS | ARCHITECTS431 Broadway, Suite C San Diego, CA 92101 TEL (619) 592-0966 FAX (619) 592-0967 DAVIS | ADVISORYARCHITECTS3053 Fifth Avenue San Diego, CA 92103STAMPED & SIGNED BY PROJECT NO.# 200805.000 SHEET NUMBER S1102