

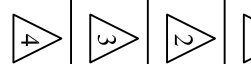
SPECIAL INSPECTION AND MATERIALS TESTING

- THIS SECTION APPLIES TO THE STRUCTURAL PORTIONS OF THE PROJECT REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR'S DUTIES ARE DESCRIBED IN CBC 1701.3 AND CBC 1701.5 (OR APPLICABLE CODE)
- DOCUMENTED METHODS AND PROCEDURES SHALL BE USED FOR INSPECTION AND TESTING. ALL INSTRUCTIONS, STANDARDS, PROCEDURES, CHECKLISTS RELEVANT TO THE WORK WILL BE KEPT UP TO DATE AND READILY AVAILABLE FOR USE. NO INSPECTION OR TEST WILL BE PERFORMED IF THE SAFETY OF ARKTECH ENGINEERING & MANAGEMENT, INC. PERSONNEL IS IN QUESTION DUE TO JOBSITE CONDITIONS. PRIOR TO PROJECT COMMENCEMENT, THE G.C. WILL CONFER WITH AND OBTAIN THE APPROVAL FROM THE APPROPRIATE DESIGN PROFESSIONAL OF RECORD REGARDING THE INSPECTION AND TESTING PROCEDURES OR SPECIFICATIONS INCLUDING ANY APPROPRIATE ASTM METHODS, CODE REQUIREMENTS OR PROJECT SPECIFICATION REQUIREMENTS. AT THE START OF AND DURING EACH INSPECTION OF THE PROJECT TO ASCERTAIN PROPOSED CONFORMITY OF MATERIALS, PERSONNEL, QUALIFICATIONS, AS REQUIRED, AND PROCEDURES WITH APPLICABLE CODES, PLANS, AND SPECIFICATIONS.
1. ALL INSPECTIONS SHALL BE PERFORMED BY AN ACCREDITED, APPROVED SPECIAL INSPECTION AGENCY EMPLOYED BY THE OWNER OR OWNER'S AGENT, NOT THE CONTRACTOR OR SUB-CONTRACTOR, PER CBC SECTION 106.3.3 (OR APPLICABLE CODE) THE OWNER OR OWNERS AGENT SHALL RECOMMEND THE INSPECTOR. THE SPECIAL INSPECTOR SHALL BE RESPONSIBLE TO THE ENGINEER OF RECORD.
- ACCEPTANCE OF THE DEPUTY INSPECTOR SHALL BE PROVIDED BY WRITTEN APPROVAL BY THE ENGINEER OF RECORD. ACCREDITATION TO ASTM E-329-95C, STANDARD SPECIFICATIONS FOR AGENCIES ENGAGED IN THE TESTING AND/OR INSPECTION OF MATERIALS USED IN CONSTRUCTION, IS PREFERRED.
2. ALL TESTS SHALL BE PERFORMED BY THE FOR APPROVED TESTING LABORATORY CERTIFIED IN THE MUNICIPALITY THAT THE WORK IS TO BE DONE.
- COPIES OF THE TEST RESULTS AND FINAL REPORTS SHALL BE FURNISHED TO THE ENGINEER OF RECORD (EOR) IN ADDITION TO OTHER NORMAL DISTRIBUTIONS, WITHIN TWO DAYS OF THE TEST. IN THE CASE OF DISCREPANCIES OR OBJECTIONS, THE SPECIAL INSPECTION AGENCY SHALL IMMEDIATELY NOTIFY THE EOR. THE SPECIAL INSPECTOR SHALL BE RESPONSIBLE FOR THE TESTING AND REPORTING OF ALL TESTS AND INSPECTIONS. REINFORCED CONCRETE AND STRUCTURAL STEEL WELDING CODES AND STANDARDS ARE PART OF THIS SPECIFICATION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE TEST AND/OR INSPECTION FIRM WITH A CONSTRUCTION SCHEDULE TO FACILITATE THE PROPER COORDINATION.
4. THE SPECIAL INSPECTOR SHALL FURNISH DAILY INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ARCHITECT, AND THE ENGINEER AT A MINIMUM PER WEEK FREQUENCY. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL REPORT, SIGNED BY BOTH HE AND HIS SUPERVISOR, STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE WORKMANSHIP PROVISIONS OF THE CBC (OR APPLICABLE CODE)
5. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND THE BUILDING OFFICIAL.
6. SPECIAL INSPECTION REPORTS  
THESE REPORTS SHALL INCLUDE, AS A MINIMUM, THE FOLLOWING INFORMATION:
- A. PERMIT NUMBER
  - B. NAME OF THE MUNICIPAL INSPECTOR, IF AVAILABLE, AND OF THE GOVERNING MUNICIPALITY
  - C. SPECIAL INSPECTION AGENCY NAME, ADDRESS, AND PHONE NUMBER
  - D. UNIQUE IDENTIFICATION OF THE REPORT AND OF EACH PAGE
  - E. CLIENT NAME AND ADDRESS
  - F. NAME AND ADDRESS OF THE DESIGN PROFESSIONAL OF RECORD, AND OTHER DESIGNERS OR ENGINEERS APPLICABLE TO THE PROJECT
  - G. DESCRIPTION OF THE TYPE OF INSPECTION PERFORMED
  - H. ANY UNRESOLVED DEVIATIONS, EXCLUSIONS, AND ADDITIONS TO OR FROM THE APPROVED DRAWINGS AND SPECIFICATIONS RELEVANT TO THE SPECIFIC INSPECTION OR TEST.
  - I. COMPLIANCE FINDINGS AND REFERENCE
  - J. DESCRIPTION OF LOCATION WHERE THE INSPECTION WAS PERFORMED WITHIN THE PROJECT
  - K. TIME AND DATE OF THE INSPECTION
  - L. MEASUREMENTS, EXAMINATIONS, AND DERIVED RESULTS SUPPORTED BY TABLES, GRAPHS, SKETCHES, OR PHOTOGRAPHS AS APPROPRIATE
  - M. THE NAME, SIGNATURE, TITLE, AND IDENTIFICATION NUMBER, AS APPROPRIATE, OF THE FIELD INSPECTOR PERFORMING THE INSPECTION
  - N. IDENTIFICATION OF SUBCONTRACTORS EMPLOYED TO CARRY OUT TESTS OR PARTS OF TESTS
7. TESTS REPORTS  
LABORATORY TESTS AND MILL CERTIFICATIONS ARE REQUIRED TO BE SUBMITTED TO THE ENGINEER OF RECORD. THESE REPORTS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:
- 1. CONCRETE CYLINDERS (IF APPLIES)
  - 2. REINFORCING STEEL (IF APPLIES)
  - 3. STRUCTURAL STEEL (IF APPLIES)
  - 4. CONCRETE MIXES (IF APPLIES)
  - 5. CONCRETE ANCHORS (IF APPLIES)
8. SPECIAL INSPECTION BY A SPECIAL OR DEPUTY INSPECTOR FROM AN ACCREDITED, FOR APPROVED INSPECTION AGENCY AND WITH THE APPROPRIATE CURRENT MUNICIPAL LICENSES AND CERTIFICATIONS SHALL BE REQUIRED FOR THE TYPED OF WORK LISTED BELOW.
- A. ALL ADHESIVE ANCHORS, ROOS, DOWELS, SHALL BE CONTINUOUSLY INSPECTED DURING INSTALLATION.
  - B. EXPANSION/ADHESIVE ANCHORS IN CONCRETE OR MASONRY
  - C. FIELD WELDING
  - D. LATERAL FORCE RESISTING FRAMES

METAL STUD NOTES

1. STEEL STUDS SHALL BE BY "C.E.M.C.O. (U.C.B.O. #3403-P & LARR 24923) OR EQUAL. CONTRACTOR SHALL SUPPLY APPROVALS AND ITEM BY ITEM COMPARISON SHEET FOR ANY SUBSTITUTIONS.
2. ALL CONSTRUCTION(MATERIALS,CONNECTORSAND DETAILS) SHALL BE PER MANUFACTURERS MINIMUM REQUIREMENTS (U.O.N.) AND AISI RECOMMENDED CRITERIA PER AISI TECHNICAL DATA PUBLICATIONS RC-933,934,,934a, AND 936.
3. ALL FRAMING MEMBERS SHOULD BE HORIZONTALLY ALIGNED,PLUMB AND LEVEL EXCEPT WHERE REQUIRED TO SLOPE.
4. BOTH FLANGES OF STUDS SHOULD BE ATTACHED TO THE TOP AND BOTTOM TRACK WITH SCREWS OR AN APPROVED FASTENER.
5. SPLICES IN FRAMING MEMBERS SHOULD NOT BE PERMITTED.
6. THE USE OF MEMBERS WITH STANDARD MANUFACTURERS WEB PUNCH-OUTS IS ACCEPTABLE. THE LOCATION OF THESE PUNCH-OUTS SHOULD BE COORDINATED WITH LOAD, BRACING AND UTILITY REQUIREMENTS.
7. WEB PUNCH-OUTS OR WEB OPENING SHOULD NOT BE LOCATED AT BEARING POINTS FOR STUDS,JOISTS,RAFTERS AND TRUSSES WITHOUT SPECIAL REINFORCEMENT.
8. WEB OPENING SHOULD NOT EXCEED THE DIMENSION OF THE MANUFACTURERS STANDARD PUNCH-OUT OR THE PROVISIONS IN THE AISI SPECIFICATIONS.
9. PENETRATION OF SCREW THROUGH JOINED MATERIALS SHOULD NOT BE LESS THAN 3 EXPOSED THREADS.
10. FASTENERS SHOULD BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
11. ADEQUATE BRACING SHOULD BE PROVIDED FOR ALL BUILDING SYSTEMS UNTIL LATERAL STABILITY SYSTEM(S); SHEAR WALLS OR BRACED FRAMES) HAVE BEEN INSTALLED AND ANCHORAGE IS COMPLETE.
12. ADEQUATE BRACING IS RECOMMENDED FOR BOTH CHORDS OR FLANGES OF MEMBERS UNTIL SHEATHING HAS BEEN INSTALLED. WHERE SHEATHING IS APPLIED TO ONE SIDE ONLY , THE REQUIRED BRACING SHOULD BE PERMANENTLY INSTALLED ON THE UNSHEATHED FACE.
13. TEMPORARY BRACING SHOULD BE PROVIDED AND LEFT IN PLACE UNTIL WORK IS PERMANENTLY STABILIZED.
14. BLOCKING MAY BE A SECTION OF STUD,JOIST OR TRACK WHICH IS THE FULL DEPTH OF THE FRAMING MEMBER THAT IS BEING BLOCKED AND SHOULD FIT TIGHTLY BETWEEN THE MEMBERS. BLOCKING SHOULD BE ANCHORED AT EACH END.
15. BRIDGING MAY CONSIST OF BLOCKING, FLAT STRAP,CHANNEL, STOCK OR A PROPRIETARY BRIDGING SYSTEM. BRIDGING SHOULD BE PLACED DIAGONALLY BETWEEN OPPOSITE FLANGES OF FRAMING MEMBERS OR RUN FLANGE ALONG THE SAME FACE OF THE FRAMING MEMBERS.
16. WIRE TIED BRIDGING SHOULD NOT BE PERMITTED.
17. ALL STEEL COMPONENTS AND ACCESSORIES IN EXTERIOR WALLS,ROOFS,FLOORS OVER CRAWL SPACES OR IN HIGH HUMIDITY AREAS SHOULD HOT-DIPPED GALVANIZED OR ALUMINUM-ZINC COATED CO-POLYMER OR CADMIUM COATINGS CAN ALSO BE USED FOR FASTENERS.
18. BACK BLOCKING FOR WALL MOUNTED ASSEMBLIES SHOULD BE MADE FROM FLAT STOCK OR TRACK OR STUD SECTIONS WITH FLANGES NOTCHED AT THE LOCATION OF STUDS TO ALLOW FOR CONNECTIONS TO THE STUDS.
19. STEEL FRAMING MEMBERS SHALL BE CUT WITH A SAW OR SHEAR. TORCH CUTTING OF THE ENDS OF COMPRESSION MEMBERS IN AXIAL BEARING CONNECTIONS IS NOT ALLOWED
20. SHEATHING MATERIALS FOR SHEAR WALLS OR DIAPHRAGMS SHOULD EXTEND AND BE CONNECTED TO CHORD MEMBERS (I.E. TOP AND BOTTOM WALL TRACK)
21. INSTALL INSULATION WITHIN ALL HEADERS PRIOR TO NSTALLATION.
22. DRYWALL NOTES: DRYWALL SHALL BE ATTACHED WITH BUGLE HEAD SCREWS (66x1-1/2" FOR 1/2" DRYWALL) @ 7" O.C. @ ALL PANEL EDGES AND FIELD SCREWS SHALL HAVE 1/2" MIN EDGE DISTANCE AT PANEL EDGES (SCREWS SHALL PENETRATE THROUGH STEEL MEMBERS x 1/2" MIN) REF UBC TABLE 25-1.
23. ALL SCREWS SHALL BE "DARTS" SELF DRILLING BY COMPASS INTERNATIONAL PER ICBO REPORT 5202 OR APPROVED EQUAL.
24. ALL METAL FRAMING SHALL MEET OR EXCEED U.B.C. STANDARDS FOR COLD ROLLED FORMED STEEL YIELD STRESSES $\geq$  33,000 PSI

REVISIONS



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PROJECT:  
PROFESSIONAL SEAL

DATE: 05/16/08  
SCALE: AS SHOWN  
DRAWN:  
JOB NUMBER: 08033  
DRAWING NAME  
NOTE &  
SPECIFICATIONS

SHEET

S1.1