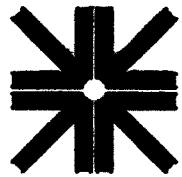


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| F | <div>GENERAL NOTES</div> <div>1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2009 EDITION OF THE INTERNATIONAL BUILDING CODE (IBC), LOCAL RULES AND STANDARDS OF GOVERNING AGENCIES HAVING JURISDICTION.</div> <div>2. <u>DESIGN CRITERIA</u> (PER 2009 IBC AND ASCE 7-05)</div> <div>SEE LOADING PLAN SHEETS FOR UNIFORM DEAD LOADS, UNIFORM LIVE LOADS, UNIFORM SNOW LOADS, DRIFT SNOW LOADS, AND COMPONENT WIND UPLIFT LOADS.</div> <div>ROOF DEAD LOAD: 15 PSF ROOF SNOW LOAD: 25 PSF</div> <div>ELEVATED FLOOR LIVE LOADS (PSF) (IBC 1607) TYPICAL UNLESS NOTED OTHERWISE: 50 CORRIDORS: 100 PSF CLASSROOMS: 40 PSF STORAGE: 125 PSF STAIRS / EXITS: 100 PSF STRUCTURAL DESIGN OF ELEVATED FLOOR FRAMING INCORPORATES LIVE LOAD REDUCTIONS IN ACCORDANCE WITH SECTION 1607.9</div> <div>SNOW DESIGN LOAD DATA: SNOW LOADS (IBC 1608) SNOW DRIFT: GROUND SNOW LOAD: Pg=15 PSF FLAT ROOF SNOW LOAD: Pf=20 PSF SNOW EXPOSURE FACTOR: Ce=1.0 SNOW LOAD IMPORTANCE FACTOR: Is=1.0 THERMAL FACTOR: Ct=1.0</div> <div>WIND DESIGN LOAD DATA: (PER ASCE 7-05 MINIMUM DESIGN LOADS) VELOCITY (3-SEC.-GUST) =85 MPH EXPOSURE =C IMPORTANCE FACTOR (Iw) =1.00 INTERNAL PRESSURE COEFFICIENT: ±0.18 EARTHQUAKE DESIGN DATA: SEISMIC IMPORTANCE FACTOR: =1.00 OCCUPANCY CATEGORY =II SPECTRAL RESPONSE COEFFICIENTS: Sds =.416 Sd1 =.201 SEISMIC USE GROUP: I SPECTRAL RESPONSE ACCELERATION: Ss =0.444 S1 =0.138 SEISMIC SITE CLASS: D SEISMIC DESIGN CATEGORY: D</div> <div>MASONRY</div> <div>1. STRUCTURAL MASONRY DESIGN HAS BEEN BASED UPON A SPECIFIED COMPOSITE MATERIAL (PRISM) STRENGTH OF 1500 PSI. NO VALUE LOWER THAN THIS IS ACCEPTABLE.</div> <div>2. CONCRETE MASONRY UNITS (CMU) SHALL BE PLACED IN ACCORDANCE WITH ACI 530.1-08 SPECIFICATION FOR MASONRY STRUCTURES, UNLESS NOTED OTHERWISE. MASONRY UNITS SHALL BE 8", 10", OR 12", X 8" X 16", PER ASTM C90, MEDIUM WEIGHT WITH COMPRESSIVE STRENGTH 1900 PSI MINIMUM. PERIODIC SPECIAL INSPECTIONS ARE REQUIRED.</div> <div>3. VERTICAL BARS SHALL BE ACCURATELY PLACED WITHIN THE CELLS AT THE POSITIONS INDICATED ON THE DRAWINGS. A MINIMUM CLEARANCE OF 1/2 INCH SHALL BE MAINTAINED BETWEEN THE BARS AND MASONRY UNITS. MINIMUM CLEARANCE BETWEEN PARALLEL BARS SHALL BE ONE DIAMETER OF THE REINFORCEMENT. VERTICAL REINFORCING MAY BE HELD IN PLACE USING BAR POSITIONERS LOCATED NEAR THE ENDS OF EACH BAR AND AT INTERMEDIATE INTERVALS OF NOT MORE THAN 192 DIAMETERS OF THE REINFORCEMENT.</div> <div>4. BOND BEAMS SHALL BE FILLED WITH GROUT AND REINFORCED AS INDICATED ON THE DRAWINGS. A MINIMUM CLEARANCE OF 1/2 INCH SHALL BE MAINTAINED BETWEEN REINFORCEMENT AND INTERIOR FACES OF UNITS.</div> <div>5. EPOXY FOR ATTACHING REINFORCING STEEL TO EXISTING GROUTED CONCRETE MASONRY SHALL BE HILTI HY-150 MAX ADHESIVE WITH 6" EMBEDMENT.</div> | | | | | | | <div>TIMBER</div> <div>1. ALL FRAMING MATERIAL SHALL BE DOUGLAS FIR-LARCH OR HEM-FIR NO. 2 OR BETTER. LEDGERS, STUDS, PLATES, AND MISCELLANEOUS LIGHT FRAMING SHALL BE DOUGLAS FIR OR HGM FIR STANDARD TOP AND BOTTOM PLATES AT BEARING WALLS, DOUGLAS FIR CONSTRUCTION GRADE 2x OR 3x TONGUE AND GROOVE DECKING SHALL BE DOUGLAS FIR SELECTED GRADE. FOR MULTILEVEL CONSTRUCTION, STUDS SHALL BE KILN DRIED DOUGLAS FIR-LARCH OR HEM-FIR STUD GRADE OR BETTER AT 16" C/C.</div> <div>2. ROOF SHEATHING SHALL BE 5/8" CDX PLYWOOD, SPAN 32/16 APA RATED PER FS 1-07 (NO SUBSTITUTION ACCEPTED). SHEATHING SHALL BE UNBLOCKED AND ATTACHED TO SUPPORTING MEMBERS WITH 10d NAILS AT 6" C/C AT PANEL EDGES AND 12" C/C IN PANEL FIELD. SHEATHING PANELS SHALL BE LAID IN STAGGERED PATTERN WITH LONG DIRECTION PLACED PERPENDICULAR TO SUPPORTS FOR DIAPHRAGM BOUNDARIES AND OVER EXTERIOR WALLS AND SHEAR WALLS.</div> <div>3. PLATE CONNECTORS AND STRAPS ARE CALLED OUT BY SIMPSON STRONG TIE CATALOG C-12 DESIGNATIONS FOR SIMPLICITY. METAL PLATE CONNECTORS SHALL USE FASTENERS SPECIFIED BY THE MANUFACTURER. COMPARABLE CONNECTORS AND STRAPS WITH ICC EVALUATION REPORTS BY OTHER SUPPLIERS MAY BE SUBSTITUTED WITH PRIOR APPROVAL OF THE ENGINEER OF RECORD. ALL SUBSTITUTIONS ALONG WITH APPLICABLE EVALUATION REPORTS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL.</div> <div>4. ALL NAILING REQUIREMENTS LISTED ARE BASED UPON THE USE OF COMMON WIRE NAILS (NOT SINKERS, BOX, ETC.). ALTERNATIVE NAIL TYPES OF EQUIVALENT DIAMETERS MAY BE SUBSTITUTED, WITH PRIOR APPROVAL OF THE ENGINEER OF RECORD.</div> <div>SPECIAL INSPECTIONS:</div> <div>1. FOR SEISMIC AND WIND DESIGN LIMITATIONS SPECIFIED IN IBC SECTIONS 1705 AND 1706, QUALITY ASSURANCE PLANS ARE TO BE PROVIDED BY THE GENERAL CONTRACTOR TO BE SUBMITTED WITH THE APPLICATION FOR PERMIT, AS REQUIRED BY SECTION 1704.1.1. DOCUMENTATION OF ALL INSPECTIONS AND QUALITY ASSURANCE ITEMS ARE TO BE AS REQUIRED BY THE IBC.</div> <div>2. THE FOLLOWING SYSTEMS WILL REQUIRE SEISMIC STRUCTURAL INSPECTION AS DEFINED IN IBC CHAPTER 17 FOR SEISMIC DESIGN CATEGORY C OR ABOVE: STRUCTURAL STEEL (SECTION 1704.3) STRUCTURAL MASONRY AND VENEERS (SECTIONS 1704.5 AND 1704.10) STRUCTURAL WOOD (SECTION 1704.6 AND 1707.3) ARCHITECTURAL COMPONENTS (SECTION 1707.6) MECHANICAL AND ELECTRICAL COMPONENTS (SECTION 1707.7)</div> <div>3. ALL SPECIAL INSPECTION AND TESTING SHALL BE PERFORMED BY AN INDEPENDENT INSPECTION AND TESTING AGENCY HIRED BY THE OWNER. CONTRACTOR TO COORDINATE WITH INSPECTION AND TESTING AGENCY FOR REQUIRED CONSTRUCTION INSPECTIONS AND MATERIAL TESTING. SEE THE SPECIAL INSPECTION REQUIREMENTS SHEET WITHIN THIS DRAWING SET FOR ADDITIONAL INFORMATION.</div> | | | | <div>LEVEL 2 REQUIRED VERIFICATION AND INSPECTION OF MASONRY CONSTRUCTION (IBC 2009 TABLE 1704.5.3)</div> <table><tr><th rowspan="2">VERIFICATION AND INSPECTION</th><th rowspan="2">CONTINUOUS</th><th rowspan="2">PERIODIC</th><th colspan="3">REFERENCE FOR CRITERIA</th></tr><tr><th>IBC SECTION</th><th>TMS 402/ACI 530/ASCE 5^a</th><th>TMS 602/ACI 530.1/ASCE 6^a</th></tr><tr><td>1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS.</td><td>-</td><td>X</td><td>-</td><td>-</td><td>ART. 1.5</td></tr><tr><td>2. VERIFICATION OF f_m AND f_{mc} PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SQUARE FEET DURING CONSTRUCTION.</td><td>-</td><td>X</td><td>-</td><td>-</td><td>ART. 1.4B</td></tr><tr><td>3. VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR AND GROUT AS DELIVERED TO THE SITE.</td><td>-</td><td>X</td><td>-</td><td>-</td><td>ART. 1.5B</td></tr><tr><td>4. VERIFICATION OF SLUMP, FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT.</td><td>X</td><td>-</td><td>-</td><td>-</td><td>ART. 1.5B.1.b.3</td></tr><tr><td colspan="6">5. THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:</td></tr><tr><td>a. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS.</td><td>-</td><td>X</td><td>-</td><td>-</td><td>ART. 3.3B</td></tr><tr><td>b. GROUT SPACE PRIOR TO GROUT.</td><td>X</td><td>-</td><td>-</td><td>-</td><td>ART. 3.2D</td></tr><tr><td>c. PLACEMENT OF GROUT.</td><td>X</td><td>-</td><td>-</td><td>-</td><td>ART. 3.5</td></tr><tr><td>d. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.</td><td>-</td><td>X</td><td>-</td><td>-</td><td>ART. 3.3F</td></tr><tr><td>e. EPOXY INSTALLATION OF REINFORCING BARS IN EXISTING MASONRY.</td><td>X</td><td>-</td><td>-</td><td>SEC. 1.2.2(e), 1.16.1</td><td>-</td></tr><tr><td>f. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).</td><td>-</td><td>X</td><td>SEC. 2104.3, 2104.4</td><td>-</td><td>ART. 1.8C, 1.8D</td></tr></table> <div>For SI: °C = [(°F)-32]/1.8, 1 square foot = 0.0929m². a. The specified standards referenced are those listed in Chapter 35.</div> | | | | | | VERIFICATION AND INSPECTION | CONTINUOUS | PERIODIC | REFERENCE FOR CRITERIA | | | IBC SECTION | TMS 402/ACI 530/ASCE 5 ^a | TMS 602/ACI 530.1/ASCE 6 ^a | 1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS. | - | X | - | - | ART. 1.5 | 2. VERIFICATION OF f _m AND f _{mc} PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SQUARE FEET DURING CONSTRUCTION. | - | X | - | - | ART. 1.4B | 3. VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR AND GROUT AS DELIVERED TO THE SITE. | - | X | - | - | ART. 1.5B | 4. VERIFICATION OF SLUMP, FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT. | X | - | - | - | ART. 1.5B.1.b.3 | 5. THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: | | | | | | a. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS. | - | X | - | - | ART. 3.3B | b. GROUT SPACE PRIOR TO GROUT. | X | - | - | - | ART. 3.2D | c. PLACEMENT OF GROUT. | X | - | - | - | ART. 3.5 | d. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. | - | X | - | - | ART. 3.3F | e. EPOXY INSTALLATION OF REINFORCING BARS IN EXISTING MASONRY. | X | - | - | SEC. 1.2.2(e), 1.16.1 | - | f. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F). | - | X | SEC. 2104.3, 2104.4 | - | ART. 1.8C, 1.8D |
| VERIFICATION AND INSPECTION | CONTINUOUS | PERIODIC | REFERENCE FOR CRITERIA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | IBC SECTION | TMS 402/ACI 530/ASCE 5 ^a | TMS 602/ACI 530.1/ASCE 6 ^a | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS. | - | X | - | - | ART. 1.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. VERIFICATION OF f _m AND f _{mc} PRIOR TO CONSTRUCTION AND FOR EVERY 5,000 SQUARE FEET DURING CONSTRUCTION. | - | X | - | - | ART. 1.4B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. VERIFICATION OF PROPORTIONS OF MATERIALS IN PREMIXED OR PREBLENDED MORTAR AND GROUT AS DELIVERED TO THE SITE. | - | X | - | - | ART. 1.5B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. VERIFICATION OF SLUMP, FLOW AND VSI AS DELIVERED TO THE SITE FOR SELF-CONSOLIDATING GROUT. | X | - | - | - | ART. 1.5B.1.b.3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. PLACEMENT OF MASONRY UNITS AND CONSTRUCTION OF MORTAR JOINTS. | - | X | - | - | ART. 3.3B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. GROUT SPACE PRIOR TO GROUT. | X | - | - | - | ART. 3.2D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. PLACEMENT OF GROUT. | X | - | - | - | ART. 3.5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. SIZE AND LOCATION OF STRUCTURAL ELEMENTS. | - | X | - | - | ART. 3.3F | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. EPOXY INSTALLATION OF REINFORCING BARS IN EXISTING MASONRY. | X | - | - | SEC. 1.2.2(e), 1.16.1 | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| f. PREPARATION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F). | - | X | SEC. 2104.3, 2104.4 | - | ART. 1.8C, 1.8D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <div>D9</div> <div>MASONRY SPECIAL INSPECTIONS</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NTS. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | ASCE AMERICAN SOCIETY OF CIVIL ENGINEERS ASTM AMERICAN SOCIETY FOR TESTING AND MATERIALS C/C CENTER TO CENTER CMU CONCRETE MASONRY UNIT d PENNY (NAIL) (E) EXISTING GLB GLUE-LAMINATED BEAM L ANGLE LB POUND; POUNDS PSF POUNDS PER SQUARE FOOT TOC TOP OF CONCRETE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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KENNEWICK SCHOOL DISTRICT
1315 BUILDING RENOVATIONS
1315 WEST 4TH AVENUE
KENNEWICK, WA 98338

REVISIONS

DRAWN BY:
MBS

CHECKED BY:
JTS

DATE
1/10/2013

JOB NUMBER
1278

SHEET NAME

GENERAL NOTES
INSPECTIONS
AND LEGEND

SHEET

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