SPECIAL INSPECTION PLAN - CONTINUED ON SHEETS S.004 AND S.005

PART I

1.01 SCOPE OF WORK

THIS PLAN DESCRIBES WORK REQUIRED TO COMPLY WITH THE THRESHOLD LAW; CHAPTER 553 OF THE FLORIDA STATUTES. THE OWNER SHALL RETAIN A QUALIFIED SPECIAL INSPECTOR TO PERFORM THE WORK DESCRIBED HEREIN. PROPOSALS FOR SPECIAL INSPECTION SERVICES SHALL BE SEPARATE AND INDEPENDENT FROM ALL OTHER PROPOSALS FOR MATERIALS TESTING AND OTHER QUALITY ASSURANCE SERVICES. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE PRIMARY STRUCTURAL FRAME (ALL THOSE MEMBERS WHICH TRANSMIT LOADS TO THE GROUND) IS CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH THE PERMITTED OFFICIAL CONTRACT DOCUMENTS, EXCEPT AS VARIATIONS THEREFROM ARE PERMITTED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD. THIS PLAN MAY BE SUPPLEMENTED BY ADDITIONAL REQUIREMENTS OF THE MUNICIPALITY OR BY THE OWNER AS DEEMED NECESSARY DURING THE COURSE OF THE WORK. THIS DOES NOT INCLUDE INSPECTION OF ANY SAFETY PROVISIONS AS REQUIRED BY OSHA OR OTHER SAFETY STANDARDS WHICH APPLY DURING THE CONSTRUCTION PERIOD, OR TO OTHER ELEMENTS SUCH AS RAILINGS, FIRE PROTECTION, ROOFING, ARCHITECTURAL PRECAST PANELS, MECHANICAL/ELECTRICAL SYSTEMS, ARCHITECTURAL COMPONENTS, SITE WORK AND OTHER ELEMENTS NOT CONTRIBUTING TO THE STRUCTURAL INTEGRITY OF THE BUILDING STRUCTURE. THE OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS, RECORDED ADDENDA, PROJECT SPECIFICATIONS, AMENDMENTS AND THE STRUCTURAL INSPECTION PLAN.

1.02 QUALIFICATIONS OF THE SPECIAL INSPECTOR

A. THE SPECIAL INSPECTOR SHALL BE A FLORIDA REGISTERED ENGINEER EXPERIENCED IN STRUCTURAL ENGINEERING AND CERTIFIED AS REQUIRED BY CURRENT LEGISLATION. THE SPECIAL INSPECTOR MAY SEND AN EMPLOYEE AS HIS AUTHORIZED REPRESENTATIVE TO THE PROJECT, BUT THAT PERSON SHALL BE EXPERIENCED AND KNOWLEDGEABLE IN THE STRUCTURAL SYSTEM BEING USED AND THE APPROPRIATE PORTIONS OF THE GOVERNING CODES AND STANDARDS.

B. THE SPECIAL INSPECTOR SHALL HAVE A MINIMUM OF FIVE (5) YEARS OF EXPERIENCE IN DESIGN AND INSPECTION OF SIMILAR STRUCTURES. THE SPECIAL INSPECTOR'S REPRESENTATIVE SHALL HAVE A MINIMUM OF ONE (1) YEAR OF EXPERIENCE IN INSPECTION OF SIMILAR STRUCTURES. RESUMES OF BOTH THE SPECIAL INSPECTOR AND SPECIAL INSPECTOR'S REPRESENTATIVE SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE, THE ENFORCING AGENCY HAVING JURISDICTION AND THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND ACCEPTANCE. AS USED HEREIN THE TERM SPECIAL INSPECTOR INCLUDES THE AUTHORIZED REPRESENTATIVE, UNLESS OTHERWISE INDICATED. IF POSSIBLE, THE SPECIAL INSPECTOR SHALL NOT BE CHANGED THROUGHOUT THE DURATION OF THE PROJECT.

1.03 RESPONSIBILITIES AND LIMITATIONS OF THE SPECIAL INSPECTOR

A. THE SPECIAL INSPECTOR IS RESPONSIBLE TO THE ENFORCING AGENCY HAVING JURISDICTION FOR THIS PROJECT. THE PRESENCE OF THE SPECIAL INSPECTOR DOES NOT RELIEVE THE ENFORCING AGENCY, THE CONTRACTOR, THE ARCHITECT, OR THE STRUCTURAL ENGINEER OF RECORD OF THEIR RESPONSIBILITIES.

B. PRIOR TO STARTING WITH THE WORK, THE SPECIAL INSPECTOR AND THE AUTHORIZED REPRESENTATIVE SHALL BECOME FAMILIAR WITH THE SPECIFIC STRUCTURAL COMPONENTS AND SYSTEMS WHICH THE SPECIAL INSPECTOR WILL BE RESPONSIBLE FOR INSPECTING. HE IS RESPONSIBLE FOR A THOROUGH KNOWLEDGE OF THE INTENT AND CONTENT OF THE CONTRACT DOCUMENTS AND ACCEPTED SUBMITTALS RELATING TO HIS INSPECTION RESPONSIBILITIES, APPROPRIATE PORTIONS OF THE GOVERNING CODES, AND THE EXERCISE OF GOOD JUDGEMENT.

C. THE SPECIAL INSPECTOR SHALL THEN PROVIDE A CERTIFIED AFFIDAVIT TO THE OWNER AND STRUCTURAL ENGINEER OF RECORD ATTESTING TO THE FOLLOWING:

1. HE HAS REVIEWED THE CONTRACT DOCUMENTS AND UNDERSTANDS THEIR CONTENT AND THE CONCEPT CONVEYED THEREIN.

2. HE HAS READ THE STRUCTURAL INSPECTION PLAN, UNDERSTANDS ITS INTENT AND INTENDS TO COMPLY WITH ITS REQUIREMENTS.

D. THE SPECIAL INSPECTOR IS RESPONSIBLE FOR OBSERVING THE CONSTRUCTION OF THE PRIMARY STRUCTURAL COMPONENTS AND REPORTING TO THE CONCERNED PARTIES THAT THOSE PORTIONS OF THE STRUCTURE ARE BEING BUILT IN GENERAL CONFORMANCE WITH THE STRUCTURAL DOCUMENTS, AND IF NOT, THE LOCATION AND DESCRIPTIONS OF THOSE VARIATIONS.

E. THE SPECIAL INSPECTOR IS NOT TO MAKE DESIGN DECISIONS OR INTERPRETATIONS OF THE CONTRACT DOCUMENTS.

F. THE SPECIAL INSPECTOR SHALL COOPERATE WITH THE CONTRACTOR BUT SHALL NOT DIRECT THE CONTRACTOR'S WORK NOR BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS.

1.04 REPORTING

A. THE SPECIAL INSPECTOR SHALL MAINTAIN A RECORD OF THE PROGRESS, WORKING CONDITIONS, OBSERVATIONS, TESTING, ANY REQUIRED ACTION BY THE CONTRACTOR, AND DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS. SUCH RECORDS ARE TO BE KEPT BY THE SPECIAL INSPECTOR FOR A MINIMUM OF 7 YEARS AFTER COMPLETION OF THE PROJECT.

B. IT IS THE DUTY OF THE SPECIAL INSPECTOR TO IMMEDIATELY NOTIFY THE CONTRACTOR IN PERSON, AND THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD BY TELEPHONE, OF THE FOLLOWING:

1. THE USE OF MATERIALS, TESTS, EQUIPMENT, WORKMANSHIP OR CONSTRUCTION NOT CONFORMING TO THE OFFICIAL CONTRACT DOCUMENTS.

2. CONSTRUCTION PERFORMED WITHOUT INSPECTION AND NOT CAPABLE OF BEING INSPECTED OR TESTED IN PLACE.

THESE EXCEPTIONS SHALL THEN BE ISSUED IN WRITING IMMEDIATELY TO THOSE LISTED ABOVE AND ATTACHED TO THE FIELD REPORTS.

C. THE SPECIAL INSPECTOR SHALL KEEP AN EXCEPTION FILE FOR FOLLOW-UP. THIS FILE SHALL BE REVIEWED ON A DAILY BASIS AND UPDATED AS EXCEPTIONS ARE RECTIFIED. ANY UNCORRECTED EXCEPTIONS SHALL BE REPORTED AT AN APPROPRIATE TIME, USING A NON-COMPLIANCE NOTICE, TO THE CONTRACTOR, ENFORCING AGENCY, OWNER'S REPRESENTATIVE AND ARCHITECT/ENGINEER.

D. THE SPECIAL INSPECTOR SHALL WRITE AND SIGN A REPORT EACH DAY AN INSPECTION IS MADE. THE REPORT SHALL CONSIST OF THE FOLLOWING:

1. IDENTIFY NAME AND LOCATION OF PROJECT, NAME OF SPECIAL INSPECTOR AND SPECIAL INSPECTOR REPRESENTATIVE, PERMIT NUMBER, DATE, WORKING CONDITIONS INCLUDING WEATHER AND TEMPERATURE, AND TYPE AND LOCATION OF WORK BEING PERFORMED.

2. A DETAILED REPORT OF EACH INSPECTION, INCLUDING THE PRESENCE AND ACTIVITIES OF THE TESTING AGENCY. NOTE CHANGES IN WORKING SEQUENCE OR MATERIALS AND ANY UNUSUAL CIRCUMSTANCES AFFECTING THE PERFORMANCE OF WORK. PLACE EMPHASIS ON THOSE AREAS WHERE DEFICIENCIES RECUR.

3. REVIEW AND COMMENT ON THE MATERIALS TESTING REPORTS PRIOR TO THAT DAY'S INSPECTION.

E. THE REPORT WILL BE SUPPLEMENTED WITH THE FOLLOWING, WHEN APPLICABLE:

1. SPECIAL RECORDS (WELD TESTS, WELDERS CERTIFICATES, CONCRETE TESTS, ETC.)

2. INSPECTION REPORTS OF THE SHORING AND RE-SHORING ENGINEER.

3. INSPECTION REPORTS OF THE GEOTECHNICAL ENGINEER.

4. DOCUMENTATION OF CHANGES MADE IN THE FIELD.

5. PHOTOGRAPHS.

F. DAILY FIELD REPORTS SHALL BE SUBMITTED ON A WEEKLY BASIS TO THE ENFORCING AGENCY, OWNER'S REPRESENTATIVE, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD, UNDER A COVER LETTER SIGNED AND SEALED BY THE SPECIAL INSPECTOR.

G. UPON COMPLETION OF THE BUILDING AND PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, THE SPECIAL INSPECTOR SHALL SUBMIT TO THE ENFORCING AGENCY, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD A SIGNED AND SEALED STATEMENT STATING THAT THE PART OF THE PROJECT UNDER HIS INSPECTION RESPONSIBILITIES HAS BEEN CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THIS STATEMENT SHALL BE IN ACCORDANCE WITH SECTION 553.79(17)a OF THE FLORIDA STATUTES.

H. SINCE THE SPECIAL INSPECTOR DOES NOT CERTIFY THAT THE OFFICIAL CONTRACT DOCUMENTS ARE IN COMPLIANCE WITH THE GOVERNING CODES, ALL STATEMENTS ISSUED WILL REFER TO COMPLETED WORK IN SUBSTANTIAL ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS.

1.05 CONTRACTOR REQUIREMENTS

A. THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES AS SPECIFIED HEREIN. THE SPECIAL INSPECTOR SHALL HAVE FREE ACCESS TO THE PROJECT SITE.

B. THE CONTRACTOR SHALL ADVISE THE SPECIAL INSPECTOR, IN ADVANCE, OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE OBSERVATION AND INSPECTION OF ITEMS SPECIFIED HEREIN. THE MINIMUM NOTICE GIVEN THE SPECIAL INSPECTOR SHALL BE **24 HOURS** PRIOR TO THE TIME OF THE INSPECTION. FURTHER, THE SCHEDULED INSPECTION TIME FOR REINFORCING STEEL SHALL BE NOT LESS THAN **72 HOURS** PRIOR TO THE SCHEDULED CONCRETE PLACEMENT.

C. THE CONTRACTOR SHALL FURNISH IN A TIMELY MANNER TO THE SPECIAL INSPECTOR COPIES OF ALL REVIEWED AND ACCEPTED SUBMITTALS (EXCLUDING CALCULATIONS) FOR THE STRUCTURAL ELEMENTS OF THE PROJECT.

D. SPECIAL INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLY WITH THE CONTRACT DOCUMENTS, ANY STATUTORY OR CONTRACTUAL OBLIGATIONS, NOR HIS RESPONSIBILITIES TO CARRY OUT HIS QUALITY CONTROL INSPECTIONS AND TESTING. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS AND THE COSTS OF RECTIFYING THOSE DEVIATIONS.

E. WORK WHICH IS IN NON-COMPLIANCE WITH THE OFFICIAL CONTRACT DOCUMENTS MAY BE CORRECTED BY THE CONTRACTOR OR THE CONTRACTOR MAY SUBMIT TO THE ARCHITECT/ENGINEER A REQUEST FOR ACCEPTANCE OF THE DEVIATION.

F. CONSTRUCTION PERFORMED WITHOUT INSPECTION AND THAT IS UNABLE TO BE INSPECTED MAY REQUIRE TESTING OR REMOVAL AS DETERMINED BY THE STRUCTURAL ENGINEER OF RECORD.

G. THE SPECIAL INSPECTOR CANNOT MAKE THE REQUIRED COMPLETION STATEMENT AND THE BUILDING WILL NOT RECEIVE A CERTIFICATE OF OCCUPANCY IF WORK IS NOT IN SUBSTANTIAL ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS OR IF CONSTRUCTION IS PERFORMED WITHOUT INSPECTION AND IS UNABLE TO BE INSPECTED.

H. INSTALLATION OF ALL SHORING AND RE-SHORING SHALL BE IN ACCORDANCE WITH THE SIGNED AND SEALED SHORING AND RE-SHORING DRAWINGS PREPARED BY THE DELEGATED SHORING ENGINEER OR DRAWINGS REVIEWED AND APPROVED BY ENGINEER OF RECORD. THE SPECIAL INSPECTOR IS TO VERIFY THAT THE INSPECTION IS PERFORMED AND IS TO OBSERVE THAT THE WORK APPEARS TO BE IN COMPLIANCE WITH THE DRAWINGS.

I. JOBSITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.

1.06 REQUIREMENTS OF THE OWNER

A. THE OWNER SHALL ARRANGE FOR ALL NECESSARY CONTRACT DOCUMENTS, INCLUDING TWO COMPLETE SETS OF ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR THE PROJECT, INCLUDING ALL DRAWINGS AND SPECIFICATIONS, THE GEOTECHNICAL REPORT AND MATERIALS TEST REPORTS, TO BE FURNISHED TO THE SPECIAL INSPECTOR DURING THE PROGRESS OF THE WORK IN A TIMELY MANNER. PROVIDE THE SPECIAL INSPECTOR WITH TWO COPIES OF ALL STRUCTURAL CHANGES, REVISIONS, ADDENDA, ETC.

B. THE OWNER SHALL ENSURE THAT THE CONTRACTOR PROVIDES TO THE ENFORCING AGENCY, ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE SPECIAL INSPECTOR A SHORING AND RE-SHORING PLAN.

C. THE OWNER SHALL ENSURE THAT A QUALIFIED TESTING AGENCY IS RETAINED. SEE CONTRACT DOCUMENTS FOR REQUIREMENTS.

D. THE OWNER SHALL ENSURE THAT A GEOTECHNICAL CONSULTANT IS RETAINED TO CONFIRM THAT THE SPECIFIED FOUNDATION PREPARATION IS PERFORMED.

E. FOR SHORED AND RE-SHORED CONCRETE CONSTRUCTION, THE OWNER SHALL ADVISE THE SPECIAL INSPECTOR WHETHER OR NOT HE WILL BE PROVIDING SHORING AND RE-SHORING INSPECTIONS OR IF THAT ACTIVITY IS BEING PROVIDED BY THE CONTRACTOR.

PART II

2.01 GENERAL

THE FOLLOWING IS A GENERAL INSPECTION PLAN DESCRIBING WORK TO BE PERFORMED BY THE SPECIAL INSPECTOR. THE INTENT IS TO DESCRIBE MINIMUM LEVELS NECESSARY TO CONFIRM THAT WORK COMPLIES WITH THE DESIGN DOCUMENTS. THE FOLLOWING ARE NOT INSPECTOR CHECK LISTS BUT POINT OUT SOME CRITICAL AREAS REQUIRING SPECIFIC ATTENTION BY THE SPECIAL INSPECTOR.

2.02 FOLLOWING IS A DESCRIPTION OF THE STRUCTURAL SYSTEM EMPLOYED FOR THIS PROJECT:

ROOF SYSTEM:
(1) STEEL BAR JOISTS AND STEEL BEAMS SUPPORTING STEEL DECK

GRAVITY FORCE RESISTING SYSTEM:
(1) MASONRY WALLS

LATERAL FORCE RESISTING SYSTEM:
(1) MASONRY SHEAR WALLS

FOUNDATION SYSTEM:
(1) CONCRETE FOOTINGS (SPREAD FOOTING & WALL FOOTINGS) AND SLAB-ON-GRADE

2.03 SPECIAL CONDITIONS/CRITICAL COMPONENTS;

FOR EXPANSION, ALTERNATION AND/OR RENOVATION PROJECTS, REVIEW DEMOLITION SEQUENCE WITH SEOR AND CONTRACTOR. PAY CLOSE ATTENTION TO THE INTERFACE OF NEW WORK WITH EXISTING WHEN SEQUENCE OF WORK IS CRITICAL.

2.04 FOUNDATIONS

A. SHALLOW FOUNDATIONS:

1. THE GEOTECHNICAL CONSULTANT RETAINED BY THE OWNER WILL INSPECT SHALLOW FOUNDATIONS AND ALL FOOTING AREAS TO CONFIRM THAT SPECIFIED DESIGN SOIL CAPACITIES ARE MET. THE GEOTECHNICAL CONSULTANT WILL FURNISH THE SPECIAL INSPECTOR WITH DAILY REPORTS AS WELL AS A SUMMARY REPORT, SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE PROJECT STATE. THIS REPORT SHALL STATE THAT THE FOUNDATION PREPARATION WAS COMPLETED ACCURATELY AND COMPLETELY SO AS TO ALLOW THE FOUNDATION TO FUNCTION AS INTENDED.

2. THE TESTING AGENCY RETAINED BY THE OWNER WILL MONITOR AND TEST BACKFILL AND COMPACTION OPERATIONS. THE TESTING AGENCY WILL SUBMIT A COPY OF REPORTS ON THESE OPERATIONS TO THE SPECIAL INSPECTOR, SIGNED AND SEALED BY AN ENGINEER REGISTERED IN THE PROJECT STATE.

B. FOOTINGS:

1. REVIEW CONFIGURATION AND PLACEMENT OF REINFORCEMENT FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. OBSERVE THAT CLEARANCES ARE PROPERLY MAINTAINED.

2. REVIEW DOWEL AND LAP SPLICE LENGTHS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

3. OBSERVE CONCRETE PLACEMENT AS OUTLINED IN THE CAST-IN-PLACE CONCRETE SECTION OF THIS INSPECTION PLAN.

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SPECIAL INSPECTION PLAN

S.003

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SPECIAL INSPECTION PLAN - CONTINUED

2.05 CAST-IN-PLACE CONCRETE

A. THE CONTRACTOR IS TO NOTIFY THE SPECIAL INSPECTOR A MINIMUM OF ****24 HOURS**** PRIOR TO THE PLACEMENT OF ANY STRUCTURAL CONCRETE.

B. REINFORCING STEEL:

1. USING THE STRUCTURAL DRAWINGS, INSPECT GRADE, SIZE, QUANTITY, CONFIGURATION AND SPACING OF REINFORCING FOR COMPLIANCE WITH THE STRUCTURAL DRAWINGS SUPPLEMENTED WITH SHOP DRAWINGS. PRIOR TO CONCRETE PLACEMENT REPORT ANY NOTED CONFLICT AND CONFIRM THAT CORRECTIONS ARE MADE BEFORE CONCRETE IS POURED.
2. CHECK MINIMUM CLEARANCE REQUIREMENTS FROM CONCRETE SURFACES.
3. CHECK THAT REINFORCING IS ADEQUATELY SUPPORTED AND TIED TO RESIST DISPLACEMENT OR SHIFTING DURING POUR.
4. CHECK THAT REBAR SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY. IF OILING OF FORMS IS REQUIRED, CHECK THAT IT IS APPLIED BEFORE REINFORCING IS PLACED.
5. CHECK SPLICE LOCATIONS AND REQUIRED LENGTH OF LAP. CHECK THAT THE ACCEPTED MECHANICAL COUPLERS ARE PROPERLY INSTALLED PER MANUFACTURER'S SPECIFICATIONS. REPORT ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS BEFORE CONCRETE IS CAST AND CONFIRM THAT CORRECTIONS ARE MADE.
6. CHECK INSTALLATION OF HOOKED BARS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

C. COLUMNS:

INSPECT REINFORCING STEEL, DOVETAIL SLOTS AND OTHER EMBEDDED ITEMS. CHECK TIE SPACING; ESPECIALLY DOUBLE TIES AND TIES AT DEEP BEAM INTERSECTIONS.

D. BEAMS:

INSPECT REINFORCING STEEL; CHECK TIE SPACING, INCLUDING LOCATION OF FIRST TIE. CHECK FOR HOOKED BOTTOM BARS. CHECK THAT HOOKED BARS EXTEND TO FAR FACE OF SUPPORT.

E. JOINTS:

CHECK THAT CONSTRUCTION JOINTS, INCLUDING DOWELS, KEYS AND BULKHEADS, ARE IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. REVIEW THE LOCATION OF CONSTRUCTION JOINTS IN BEAMS AND SLABS FOR COMPLIANCE WITH THE CONSTRUCTION JOINT LOCATION PLAN SUBMITTED BY THE CONTRACTOR TO THE ARCHITECT/ENGINEER.

F. OPENINGS:

REPORT ALL SLAB OPENINGS LARGER THAN 12" AND NOT SHOWN ON THE CONTRACT DOCUMENTS TO THE ARCHITECT/ENGINEER. CHECK PLACEMENT OF ADDITIONAL REINFORCEMENT AROUND OPENINGS. NO SLEEVES OR OPENINGS WILL BE PERMITTED IN BEAMS WITHOUT PRIOR APPROVAL OF THE ARCHITECT/ENGINEER.

G. CHECK THAT ALL FOREIGN MATERIAL HAS BEEN REMOVED FROM SPACES WHICH CONCRETE IS TO OCCUPY.

H. PLACEMENT OBSERVATION:

THE SPECIAL INSPECTOR SHALL BE ON SITE WHEN CONCRETE IS BEING PLACED FOR THE PRIMARY STRUCTURAL FRAME AS NECESSARY TO ASCERTAIN THAT PROPER CONCRETING PRACTICES, AS REQUIRED BY ACI 301, ASTM C94 AND OTHER RECOGNIZED INDUSTRY STANDARDS ARE FOLLOWED. OBSERVATIONS BY THE SPECIAL INSPECTOR SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFICATION OF THE FOLLOWING:

1. TESTING AGENCY IS ON SITE AND THAT MIXING TIME, TEMPERATURE, SLUMP, AND AIR CONTENT ARE AS SPECIFIED. CHECK THAT ADDITION OF WATER TO THE CONCRETE MIX IN THE FIELD IS BASED ON THE GUIDELINES SET FORTH IN THE CONTRACT DOCUMENTS.
2. THE CONCRETE AS DELIVERED TO THE PROJECT SITE IS AS SPECIFIED FOR THAT PORTION IN WHICH PLACEMENT IS TO OCCUR.
3. CONCRETE IS BEING CONVEYED FROM MIXER TO PLACE OF FINAL DEPOSIT BY RECOGNIZED INDUSTRY STANDARDS. CONCRETE IS BEING PLACED CONTINUOUSLY, OR IN LAYERS OF SUCH THICKNESS THAT NO CONCRETE WILL BE DEPOSITED ON CONCRETE WHICH HAS HARDENED SUFFICIENTLY TO CAUSE THE FORMATION OF SEAMS OR PLANES OF WEAKNESS WITHIN THE AREA OF PLACEMENT.
4. CONCRETE IS BEING CONSOLIDATED AND THOROUGHLY WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS AND INTO CORNERS OF FORMS, ELIMINATING AIR OR STONE POCKETS WHICH MAY CAUSE HONEYCOMBING, PITTING OR PLACES OF WEAKNESS.
5. CURING PROCEDURES ARE AS PER CONTRACT DOCUMENTS, ACI 308, "STANDARD PRACTICE FOR CURING CONCRETE" AND OTHER RECOGNIZED INDUSTRY STANDARDS.

I. AFTER THE FORMWORK HAS BEEN REMOVED, INSPECT CONCRETE SURFACES FOR HONEYCOMBING AND VOIDS.

2.06 MASONRY

THE SPECIAL INSPECTOR SHALL OBSERVE INSTALLATION TECHNIQUES OF LOAD BEARING MASONRY ONLY. THIS WILL INCLUDE WORKMANSHIP; UNITS USED INCLUDING SIZE, STRENGTH AND WEIGHT; MORTAR AND GROUT TYPE AND MIXING; PLACEMENT OF REINFORCING STEEL, INCLUDING HORIZONTAL REINFORCEMENT; INSERTS; ANCHORS; AND OTHER STRUCTURALLY RELATED ASPECTS. CHECK CLEANOUT AREAS, CHECK THAT CELLS TO BE REINFORCED ARE CLEAN AND FREE OF ALL FOREIGN MATERIAL. DURING GROUTING, CHECK THAT ALL CELLS ARE FILLED SOLID AND, AFTER COMPLETION, IF IN DOUBT, TEST WITH A HAMMER TO VERIFY THAT CELLS ARE FILLED SOLID. CHECK TIE BEAM AND TIE COLUMN SPACING, SIZE AND REINFORCING.

2.07 STRUCTURAL STEEL

A. INSPECT STRUCTURAL STEEL PRIOR TO CONCEALMENT TO VERIFY GRADE, SIZES, CONNECTIONS, STRAIGHTNESS AND FINISH. CHECK WITH CONTRACT DOCUMENTS AND SHOP DRAWINGS.

B. INSPECT SETTING OF ANCHOR BOLTS, EMBEDS AND OTHER MISCELLANEOUS STRUCTURAL ITEMS PRIOR TO CONCRETING. VERIFY SIZE, QUANTITY AND FINISH.

C. INSPECT CONNECTIONS FOR THE FOLLOWING:

1. BOLTED CONNECTIONS: TYPE, SIZE AND NUMBER OF BOLTS. CHECK THAT BOLTS ARE CLEAN AND LUBRICATED AND HAVE PROPER WASHERS AND THAT THEY CONFORM TO THE SPECIFICATIONS. CHECK THAT BOLT HOLES ARE THE SPECIFIED TYPE AND SIZE. VERIFY THAT BOLTS ARE PROPERLY TIGHTENED. FOR SLIP CRITICAL BOLTS WITH LOAD INDICATOR WASHERS, CHECK ALL BOLTS VISUALLY AND 10% WITH A FEELER GAUGE. "TURN OF THE NUT" METHOD IS NOT ACCEPTABLE.
2. WELDED CONNECTIONS: VERIFY THAT WELDERS ARE AWS CERTIFIED FOR THE TYPE OF WELDS BEING MADE. VISUALLY EXAMINE ALL WELDS FOR TYPE, SIZE AND LENGTH FOR COMPLIANCE WITH THE STRUCTURAL DRAWINGS. VERIFY THAT REQUIRED NON-DESTRUCTIVE TESTING IS PERFORMED BY THE TESTING AGENCY. VERIFY THAT WELDS ARE CLEAN, FREE FROM SLAG, AND THAT RUST PROTECTION HAS BEEN APPLIED AS PER SPECIFICATIONS.

D. HEADED STUD ANCHORS:

CHECK FOR SIZE, LENGTH, SPACING AND WELDING.

E. OPEN WEB STEEL JOISTS:

1. INSPECT STEEL JOISTS TO VERIFY TYPE, SIZE, SPACING, CONNECTIONS, STRAIGHTNESS AND FINISH. INSPECT FROM CONSTRUCTION DOCUMENTS AND SHOP DRAWINGS.
2. CHECK THAT BEARING CONDITIONS CONFORM TO REQUIREMENTS OF SJI AND CONTRACT DOCUMENTS.
3. VERIFY THAT THE TEMPORARY BRACING AND PERMANENT CROSS-BRIDGING ARE BEING IMPLEMENTED PER REQUIREMENTS OF THE CONSTRUCTION DOCUMENTS AND ERECTION DRAWINGS.
4. INSPECT SETTING OF SHELF ANGLES, BEARING PLATES AND MISCELLANEOUS STRUCTURAL ITEMS TO VERIFY SIZE, QUANTITY, LOCATION AND FINISH.
5. VISUALLY EXAMINE ALL FIELD WELDS. VERIFY THAT WELDERS ARE AWS CERTIFIED.

F. STEEL DECKS:

CHECK FOR TYPE, SIZE AND GAUGE. CHECK CONNECTION TO SUPPORTS. CHECK THAT WELDING IS IN CONFORMANCE WITH CONTRACT DOCUMENTS.

2.08 FENESTRATION (DOORS, WINDOWS, STOREFRONT, CURTAIN-WALL, LOUVERS, ETC.)

A. VERIFY THE SPECIFIED FENESTRATION COMPONENTS ARE ON-SITE AND INSTALLED AND MEET THE IMPACT RESISTANCE REQUIREMENTS OF THE PROJECT DOCUMENTS.

B. VERIFY THE GENERAL INSTALLATION REQUIREMENTS OF THE FENESTRATION COMPONENTS AND ASSEMBLIES ARE IN COMPLIANCE WITH THE MANUFACTURER'S REQUIREMENTS.

2.09 GUARDS

GUARDRAILS, GRAB RAILS AND HAND RAILS ARE EXCLUDED FROM THIS SPECIAL INSPECTION PLAN

PART III

3.01 MATERIALS TESTING

ALL TESTING REQUIREMENTS AS DEFINED IN THE CONTRACT DOCUMENTS SHALL BE ADHERED TO, WITH COPIES OF RESULTS FORWARDED TO THE SPECIAL INSPECTOR. PRIOR TO EACH INSPECTION THE SPECIAL INSPECTOR SHALL REVIEW ALL MATERIAL TEST REPORTS AND COMMENT ON THEM AS APPROPRIATE. THE SPECIAL INSPECTOR MAY REQUEST THE OWNER'S REPRESENTATIVE TO AUTHORIZE ADDITIONAL TESTS IF REQUIRED BY UNFORESEEABLE EVENTS OR CONDITIONS. ALL MATERIALS TESTING MUST BE EXECUTED BY QUALIFIED LABORATORIES AND TESTING FIRMS.

3.02 SUBMITTALS

A. GENERAL:

CONTRACTOR MUST SUBMIT ONE COPY OF ALL STRUCTURAL SUBMITTALS (EXCLUDING CALCULATIONS) TO THE SPECIAL INSPECTOR FOR HIS RECORD AND USE. ALL SUBMITTALS SHALL BE REVIEWED AND ACCEPTED BY THE CONTRACTOR, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD, AND SHALL CONTAIN APPROPRIATE EVIDENCE OF SUCH, PRIOR TO TRANSMITTING TO THE SPECIAL INSPECTOR.

B. THE SPECIAL INSPECTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL SUBMITTALS.

C. AS A MINIMUM, THE FOLLOWING SHALL BE PROVIDED TO THE SPECIAL INSPECTOR, AS APPLICABLE TO THE PROJECT:

1. SHORING AND RE-SHORING DRAWINGS AND FIELD REPORTS, SIGNED AND SEALED BY THE DELEGATED ENGINEER, SHALL BE FURNISHED TO THE SPECIAL INSPECTOR PRIOR TO PLACEMENT OF ANY CONCRETE OR STRUCTURAL ELEMENT WHICH IS DEPENDENT ON SUCH SHORING/RE-SHORING.
2. REINFORCING STEEL; FABRICATION AND PLACEMENT DRAWINGS AND BAR LISTS.
3. CONCRETE MIX DESIGNS; COPIES OF CONCRETE MIX DESIGNS FOR ALL PROPOSED STRENGTHS AND GRADES.
4. PRECAST/PRESTRESSED CONCRETE PILING; ALL SUBMITTALS EXCEPT CALCULATIONS.
5. GLULAM COMPONENTS AND TIMBER COMPONENTS; SHOP DRAWINGS AND PLACEMENTS DRAWINGS OF ALL COMPONENTS.
6. STRUCTURAL STEEL; SHOP DRAWINGS AND MATERIAL CERTIFICATES.
7. SHEAR STUDS; TEST REPORTS.
8. STEEL JOIST AND DECK SHOP DWGS.
9. PRECAST FRAMING SHOP DWGS.
10. MASONRY PRODUCT SUBMITTAL.
11. SPECIALTY PRODUCTS AND/OR SUBMITTALS FOR DELEGATED DESIGN COMPONENTS / SYSTEMS.
12. EXTERIOR OR LOAD BEARING COLD FORMED METAL FRAMING.

D. ALTERNATES:

ALTERNATES WHICH ARE ACCEPTED SHALL BE PROVIDED TO THE SPECIAL INSPECTOR AS THEY BECOME AVAILABLE.

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12/16/2025
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SPECIAL INSPECTION PLAN CONTINUED

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SPECIAL INSPECTION PLAN

THE SCHEDULE OF SPECIAL INSPECTIONS IS SHOWN HERE-IN AND DEFINES THE FOLLOWING:

- MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTION OR TESTING
- TYPE AND EXTENT OF EACH SPECIAL INSPECTION
- TYPE AND EXTENT OF EACH TEST
- ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTION OR TESTING FOR WIND OR SEISMIC RESISTANCE WHERE REQUIRED
- IDENTIFICATION AS TO WHETHER SPECIAL INSPECTION IS CONTINUOUS OR PERIODIC FOR EACH TYPE OF SPECIAL INSPECTION

SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE

WHERE SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE ARE REQUIRED, THE DESCRIPTIONS OF THE SEISMIC FORCE RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS ARE PROVIDED BELOW, AND THE FREQUENCY AND EXTENT OF THE SPECIAL INSPECTIONS ARE DEFINED IN THE SCHEDULE OF SPECIAL INSPECTIONS.

SPECIAL INSPECTIONS FOR SEISMIC RESISTANCE **ARE NOT** REQUIRED FOR THIS PROJECT

SPECIAL INSPECTIONS FOR WIND RESISTANCE

WHERE SPECIAL INSPECTIONS FOR WIND RESISTANCE ARE REQUIRED, THE DESCRIPTIONS OF THE WIND FORCE RESISTING SYSTEMS THAT ARE SUBJECT TO SPECIAL INSPECTIONS ARE PROVIDED BELOW, AND THE FREQUENCY AND EXTENT OF THE SPECIAL INSPECTIONS ARE DEFINED IN THE SCHEDULE OF SPECIAL INSPECTIONS.

SPECIAL INSPECTIONS FOR WIND RESISTANCE **ARE** REQUIRED FOR THIS PROJECT

SEISMIC AND WIND LATERAL FORCE RESISTING SYSTEM(S) DESCRIPTION

THE FOLLOWING IS A DESCRIPTION OF THE LATERAL FORCE RESISTING STRUCTURAL SYSTEM(S) THAT ARE SUBJECT TO SPECIAL INSPECTIONS:

THE LATERAL FORCE RESISTING SYSTEM FOR THIS STRUCTURE INCLUDES THE METAL ROOF DECKS ACTING AS DIAPHRAGMS TO TRANSFER THE LATERAL LOADS TO THE CMU SHEAR WALLS VIA MECHANICAL CONNECTIONS OF THE DECKING TO THE EDGE ANGLES AND BAR JOISTS SEATS WHICH ARE ANCHORED TO THE WALLS. THE ANCHORAGE OF STRUCTURAL STEEL, STEEL EDGE ANGLES AND BAR JOISTS TO THE CMU WALLS ARE A ESSENTIAL COMPONENT OF THE LATERAL FORCE TRANSFER. THESE CMU SHEAR WALLS CARRY THE LATERAL LOADS TO THE FOUNDATIONS THROUGH THE REBAR WALL DOWELS.

1. THE SPECIAL INSPECTOR LICENSEE SHALL PERSONALLY VISIT THE SITE TWICE EACH MONTH DURING THE STRUCTURAL WORK/ACTIVITY PERIOD. A MINIMUM OF 10 VISITS SHOULD BE CONDUCTED IN PERSON BY THE SPECIAL INSPECTOR LICENSE HOLDER FOR THIS PROJECT REGARDLESS OF PROJECT DURATION.
2. THE CONTRACTOR SHALL SUBMIT A STATEMENT OF RESPONSIBILITY PRIOR TO COMMENCEMENT OF WORK ON LATERAL RESISTING SYSTEMS COMPONENTS.
3. CONTINUOUS INSPECTION MEANS THE FULL-TIME OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK IS BEING PERFORMED. PERIODIC INSPECTION MEANS THE PART-TIME OR INTERMITTENT OBSERVATION OF WORK REQUIRING SPECIAL INSPECTION BY AN APPROVED SPECIAL INSPECTOR WHO IS PRESENT IN THE AREA WHERE THE WORK HAS BEEN OR IS BEING PERFORMED AND AT COMPLETION.

VERIFICATION & SPECIAL INSPECTION OF EXTERIOR COLD FORMED METAL FRAMING

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
INSPECT SHEATHING TO ASCERTAIN WHETHER IT IS OF THE GRADE AND THICKNESS SHOWN ON THE APPROVED CONTRACT DRAWINGS. VERIFY FASTENER SIZE AND SPACING.		X	
VERIFY THE NOMINAL SIZE, GAUGE AND MATERIAL OF FRAMING MEMBERS. VERIFY ALL CONNECTIONS ARE INSTALLED AS INDICATED IN THE APPROVED CONTRACT DRAWINGS.		X	

VERIFICATION & SPECIAL INSPECTION OF FABRICATORS

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
INSPECT FABRICATED STRUCTURAL LOAD BEARING & ASSEMBLY ITEMS. INSPECTION PROCEDURES SHOULD BE THE SAME AS IF THE MATERAL USED IN CONSTRUCTION TOOK PLACE ON SITE.		X	SPECIAL INSPECTIONS ARE NOT REQUIRED FOR WORK DONE ON THE PREMISES OF AN APPROVED FABRICATOR REGISTERED AND APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. AT COMPLETION OF FABRICATION THE APPROVED FABRICATOR SHALL SUBMIT A CERTIFICATE OF COMPLIANCE TO THE PROJECT STRUCTURAL ENGINEER STATING WORK WAS PERFORMED IN ACCORDANCE WITH CONSTRUCTION DOCUMENTS.
REVIEW THE QUALITY CONTROL PROCEDURES OF ALL FABRICATORS FOR COMPLETENESS AND ADEQUACY RELATIVE TO THE FABRICATOR'S SCOPE OF WORK.		X	

VERIFICATION & SPECIAL INSPECTION OF CONCRETE CONSTRUCTION

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
INSPECTION IS REQUIRED FOR CONCRETE FOUNDATIONS, WALLS, BEAMS, COLUMNS, AND SLABS-ON-GRADE.	X		SITE RETAINING WALLS OF 3-FT OR LESS IN HEIGHT NEED NOT BE INSPECTED.
INSPECTION OF REINFORCING STEEL, INCLUDING PRESTRESSING TENDONS, AND PLACEMENT		X	INCLUDE IN INSPECTION OF REBAR / PRESTRESSING TENDONS: QUANTITY; SIZE; SPACING /LOCATION/HEIGHT OF CHAIRS; CHECK THAT REINFORCEMENT IS TIED AND SUPPORTED SECURELY; LAP LENGTHS; HOOKED OR BENT BARS; CONCRETE COVER; LOCATION OF SPLICES
INSPECTION OF REINFORCING STEEL WELDING IN ACCORDANCE WITH "VERIFICATION & SPECIAL INSPECTION OF STEEL CONSTRUCTION"			SEE "VERIFICATION & SPECIAL INSPECTION OF STEEL CONSTRUCTION" FOR REQUIREMENTS.
INSPECT BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE.	X		INSPECT PLACEMENT, DIA., GRADE FINISH, EMBEDMENT, PROJECTION, ETC.
INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE	X		CONDUCT PRE-INSTALLATION MEETING FOR DRILL/EPOXY WORK.
VERIFY USE OF REQUIRED DESIGN MIX.		X	
AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	X		INFORM CONTRACTOR THAT NO WATER IS TO BE ADDED AFTER TESTING UNLESS APPROVED BY ENGINEER OF RECORD.
INSPECTION OF CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X		
INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.		X	

MASONRY LEVEL 2 QUALITY ASSURANCE: MINIMUM VERIFICATION REQUIREMENTS

MINIMUM VERIFICATION	REQUIRED	NOT REQUIRED	REFERENCE CRITERIA (TMS 602)
PRIOR TO CONSTRUCTION, VERIFICATION OF COMPLIANCE OF SUBMITTALS.	X		ART. 1.5
PRIOR TO CONSTRUCTION, VERIFICATION OF F'm	X		ART. 1.4 B
DURING CONSTRUCTION, VERIFICATION OF SLUMP FLOW AND VISUAL STABILITY INDEX (VSI) WHEN SELF-CONSOLIDATING GROUT IS DELIVERED TO THE PROJECT SITE.	X		ART. 1.5 &1.6.3

MASONRY LEVEL 2 QUALITY ASSURANCE: MINIMUM SPECIAL INSPECTION REQUIREMENTS

INSPECTION TASK	CONTINUOUS	PERIODIC	
AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE.			
PROPORTIONS OF SITE PREPARED MORTAR		X	ART. 2.1, 2.6 A, & 2.6 C
GRADE, TYPE AND SIZE OF REINFORCEMENT, CONNECTORS AND ANCHOR BOLTS.		X	ART. 3.4 & 3.6 A
LOCATION OF REINFORCEMENT, CONNECTORS, AND ANCHORAGES		X	
SAMPLE PANEL CONSTRUCTION		X	ART. 1.6 D
PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:			
GROUT SPACE IS CLEAN AND CLEAR AS REQUIRED.		X	ART. 3.2 D & 3.2 F
PLACEMENT OF REINFORCEMENT, CONNECTORS AND ANCHOR BOLTS.	X		ART. 3.2 E & 3.4
PROPORTIONS OF SITE-PREPARED GROUT.		X	ART. 2.6 B & 2.4 G.1.b
CONSTRUCTION OF MORTAR JOINTS		X	
DURING CONSTRUCTION THE INSPECTION PROGRAM SHALL VERIFY:			
MATERIALS AND PROCEDURES WITH THE APPROVED SUBMITTALS		X	ART. 1.5
PLACEMENT OF MASONRY UNITS AND MORTAR JOINT CONSTRUCTION.		X	ART. 3.3 B
SIZE AND LOCATION OF STRUCTURAL ELEMENTS		X	ART. 3.3 F
TYPE, SIZE AND LOCATION OF ANCHORS, INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES OR OTHER CONSTRUCTION.		X	
SPECIFIED SIZE, GRADE, AND TYPE OF REINFORCEMENT		X	
PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40°F) OR HOT WEATHER (TEMPERATURE ABOVE 90°F).		X	ART. 1.8 C & 1.8 D
GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.	X		ART. 3.5 & 3.6 C
OBSERVE PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS.		X	

VERIFICATION & SPECIAL INSPECTION OF FORMS AND SHORING, INCLUDING RESHORING (ALL POURS)

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
VISUALLY INSPECT FORMWORK AND SHORING BEFORE CONSTRUCTION LOADS ARE APPLIED: SIZE; LOCATION; SPACING; PLUMBNESS; SUITABILITY; QUALITY CONDITION AND BEARING OF FORMING MEMBERS ON SHORES; BRACING.	X		
INSPECT PROVISIONS FOR ANY SPECIAL LOADING DURING CONSTRUCTION AS SHOWN ON CONTRACT DOCUMENTS.	X		
INSPECT FOR REMOVAL OF ALL DEBRIS BEFORE POUR.	X		
CHECK THAT ALL SHORING IS IN PLACE PER THE SUBMITTED DRAWINGS. VERIFY SEQUENCE OF SHORING, CONCRETE TEST REPORTS, AND RESHORING AFTER FORM REMOVAL, OR OTHER STRUCTURAL WORK IS COMPLETE.	X		

STATEMENT OF SPECIAL INSPECTIONS FOR WIND RESISTANCE

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
ROOF CLADDING AND ROOF FRAMING CONNECTIONS		X	REFER TO THE LATERAL FORCE RESISTING SYS. DESCRIPTIONS PROVIDED HERE-IN
WALL CONNECTIONS TO ROOF DIAPHRAGMS AND FRAMING		X	REFER TO THE LATERAL FORCE RESISTING SYS. DESCRIPTIONS PROVIDED HERE-IN
ROOF AND FLOOR DIAPHRAGM SYSTEMS, INCLUDING COLLECTORS, DRAG STRUTS, AND BOUNDARY ELEMENTS.		X	REFER TO THE LATERAL FORCE RESISTING SYS. DESCRIPTIONS PROVIDED HERE-IN
VERIFY VERTICAL WIND FORCE RESISTING SYSTEMS, INCLUDING BRACED FRAMES, AND SHEAR WALLS.		X	REFER TO THE LATERAL FORCE RESISTING SYS. DESCRIPTIONS PROVIDED HERE-IN
VERIFY WIND FORCE RESISTING SYSTEM CONNECTIONS TO THE FOUNDATIONS.		X	REFER TO THE LATERAL FORCE RESISTING SYS. DESCRIPTIONS PROVIDED HERE-IN
VERIFY THE FABRICATION AND INSTALLATION OF THE WINDOW COMPONENTS AND ASSEMBLIES MEET THE IMPACT RESISTANCE REQUIREMENTS OF THE CONTRACT DOCUMENTS.		X	REFERENCE ARCHITECTURAL DRAWINGS AND SPECS.

VERIFICATION & SPECIAL INSPECTION OF STEEL CONSTRUCTION

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
MATERIAL VERIFICATION OF HIGH STRENGTH BOLTS, NUTS, AND WASHERS			
IDENTIFICATION MARKING TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		X	
MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED		X	
INSPECTION OF HIGH STRENGTH BOLTING			
SNUG TIGHT JOINTS		X	SNUG TIGHT BOLTED CONNECTIONS ARE PROHIBITED
PRETENSIONED AND SLIP-CRITICAL JOINTS USING TWIST OFF BOLT OR DIRECT TENSION INDICATOR METHODS OF INSTALLATION.		X	
PRETENSIONED AND SLIP-CRITIAL JOINTS USING TURN-OF-NUT WITHOUT MATCHMARKING CALIBRATED WRENCH METHODS OF INSTALLATION	X		
MATERIAL VERIFICATION OF STRUCTURAL STEEL AND COLD FORMED STEEL DECK			
FOR STRUCTURAL STEEL IDENTIFICATION MARKING TO CONFORM TO AISC 360		X	
FOR OTHER STEEL, IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.		X	
MANUFACTURER'S CERTIFIED TEST REPORTS		X	
MATERIAL VERIFICATION OF WELD FILLER MATERIALS			
IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATION IN THE APPROVED CONSTRUCTION DOCUMENTS		X	
MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED		X	
INSPECTION OF WELDING			
STRUCTURAL STEEL AND COLD FORMED STEEL DECK			
COMPLETE AND PARTIAL JOINT PENETRATION GROOVE WELDS	X		
MULTI-PASS FILLET WELDS	X		
SINGLE PASS FILLET WELDS > 5/16"	X		
PLUG AND SLOT WELDS	X		FOR FLOOR AND ROOF DECK WELDS REFERENCE STANDARD AWS D1.3
SINGLE PASS FILLET WELDS </= 5/16"		X	
FLOOR AND ROOF DECK WELDS		X	
INSPECTION OF STEEL FRAME JOINT DETAILS FOR COMPLIANCE			
DETAILS SUCH AS BRACING AND STIFFENING		X	
MEMBER LOCATIONS		X	
APPLICATION OF JOINT DETAILS AT EACH CONNECTION.		X	

VERIFICATION & SPECIAL INSPECTION OF SOILS (SEE GEOTECH REPORTS & SPECIFICATIONS FOR DETAILED INSTRUCTIONS)

VERIFICATION & INSPECTION	CONTINUOUS	PERIODIC	COMMENTS
VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY.		X	REFER TO PROJECT GEOTECHNICAL REPORT FOR SPECIFIC GUIDELINES AND RECOMMENDATIONS
VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.		X	REFER TO PROJECT GEOTECHNICAL REPORT FOR SPECIFIC GUIDELINES AND RECOMMENDATIONS
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.		X	REFER TO PROJECT GEOTECHNICAL REPORT FOR SPECIFIC GUIDELINES AND RECOMMENDATIONS
VERIFY USE OF PROPER MATERIALS, DENSITIES, AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL.	X		REFER TO PROJECT GEOTECHNICAL REPORT FOR SPECIFIC GUIDELINES AND RECOMMENDATIONS
PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS.		X	REFER TO PROJECT GEOTECHNICAL REPORT FOR SPECIFIC GUIDELINES AND RECOMMENDATIONS

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ISSUE	DATE
PERMIT SET	12/08/2025
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DRAWN BY: BJB
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FRICKER RESOURCE CENTER RENOVATION PROJECT

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SPECIAL INSPECTION PLAN CONTINUED

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