

GENERAL NOTES:

DESIGN:

BUILDING CODE - 2012 INTERNATIONAL BUILDING CODE

- 1. EXISTING ROOF DEAD LOAD = 16 PSF
MINIMUM ROOF LIVE LOAD = 20 PSF
- 2. SNOW LOADS:
- GROUND SNOW LOAD, P_g = 10 PSF
- FLAT ROOF SNOW LOAD, P_f = 12 PSF
"INCLUDES 5.0 PSF RAIN-ON-SNOW SURCHARGE"
- SNOW EXPOSURE FACTOR, C_e = 1.0
- SNOW LOAD IMPORTANCE FACTOR, I = 1.0
- THERMAL FACTOR, C_t = 1.0
- 3. WIND LOADS:
- BASIC WIND SPEED (3 SECOND GUST) = 115 MPH
- RISK CATEGORY = II
- BUILDING CATEGORY: ENCLOSED, SIMPLE DIAPHRAGM
- OVERALL EXPOSURE CATEGORY = C
- WIND IMPORTANCE FACTOR, I_w = 1.00
- 4. SEISMIC:
- RISK CATEGORY = II
- SEISMIC IMPORTANCE FACTOR, I_s = 1.00
- MAPPED SPECTRAL RESPONSE COEFFICIENTS
S_s = 0.308
S₁ = 0.147
- SITE CLASS = C
- SPECTRAL RESPONSE COEFFICIENTS
SDS = 0.247
SD1 = 0.162
- SEISMIC DESIGN CATEGORY = C

CONCRETE:

- 1. ALL CONCRETE SHALL BE NORMAL-WEIGHT (DENSITY=145 PCF) AND SHALL HAVE A 28-DAY COMPRESSIVE STRENGTH IN ACCORDANCE WITH THE FOLLOWING:
ALL FOUNDATIONS, INTERIOR SLAB EXTERIOR SLABS, CURBS, SIDEWALKS ALL OTHER CONCRETE (J.N.O.)
 - 2. THE SLUMP OF ALL CONCRETE SHALL NOT EXCEED 4" UNLESS A HIGH RANGE WATER-REDUCING ADMIXTURE IS USED. THE SLUMP OF CONCRETE PRIOR TO ADDITION OF A HIGH-RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 4". THE SLUMP OF CONCRETE CONTAINING A HIGH RANGE WATER-REDUCING ADMIXTURE SHALL NOT EXCEED 10".
 - 3. ALL EXTERIOR CONCRETE SHALL BE AIR-ENTRAINED WITH BETWEEN 4% AND 8% AIR CONTENT.
 - 4. THE COARSE AGGREGATE SIZE SHALL BE #57 OR LARGER.
 - 5. THE MINIMUM PORTLAND CEMENT CONTENT (ASTM C150 TYPE I OR II) OF ALL CONCRETE SHALL CONFORM TO THE FOLLOWING TABLE (FLY ASH NOT PERMITTED):
- | SPECIFIED COMPRESSIVE STRENGTH (psi) | NON AIR-ENTRAINED CONCRETE (lbs.) | AIR-ENTRAINED CONCRETE (lbs.) |
|--------------------------------------|-----------------------------------|-------------------------------|
| 3000 | 470 | 517 |
| 4000 | 564 | 611 |

- 6. THE CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGNS FOR REVIEW A MINIMUM OF ONE WEEK PRIOR TO THE PLACEMENT OF ANY CONCRETE. THE CONCRETE MIX DESIGNS SHALL INCLUDE ALL STRENGTH DATA NECESSARY TO SHOW COMPLIANCE WITH THE PROJECT SPECIFICATIONS FOR EITHER THE TRIAL BATCH OR FIELD EXPERIENCE METHOD.
- 7. CONCRETE REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE.
- 8. CONCRETE REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706.
- 9. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185.
- 10. ALL REINFORCING SHALL BE DETAILED, FABRICATED, AND PLACED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN CONCRETE INSTITUTE DETAILING MANUAL.
- 11. ALL REINFORCING SHALL BE SUPPORTED IN FORMS, SPACED WITH NECESSARY ACCESSORIES AND SHALL BE SECURELY WIRED TOGETHER, IN ACCORDANCE WITH THE LATEST EDITION OF THE CRSI "MANUAL OF STANDARD PRACTICE".
- 12. THE MINIMUM CONCRETE CLEAR COVER OVER REINFORCING STEEL, UNLESS NOTED OTHERWISE, SHALL BE:
UNFORMED SURFACE IN CONTACT WITH THE GROUND 3 IN.
FORMED SURFACES EXPOSED TO EARTH OR WEATHER: #5 BARS AND SMALLER 1 1/2 IN.
SLABS, WALLS, AND JOISTS: #11 BARS AND SMALLER 3/4 IN.
- 13. ALL BASE PLATES, ANCHOR BOLTS, SUPPORT ANGLES, ETC., WHICH ARE BELOW GRADE SHALL BE COVERED WITH A MINIMUM OF 3" OF CONCRETE.
- 14. ALL LAP SPICES SHALL BE IN ACCORDANCE WITH THAT SHOWN ON THE DRAWINGS.

REINFORCED MASONRY:

- 1. THE REINFORCED CONCRETE MASONRY FOR THIS PROJECT HAS BEEN DESIGNED AND DETAILED IN ACCORDANCE WITH THE ALLOWABLE STRESS DESIGN METHOD OF THE BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES.
- 2. REINFORCED MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH, f_m, OF 1500 PSI. MASONRY UNITS SHALL BE NORMAL WEIGHT BLOCK CONFORMING TO ASTM C90 AND SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 1900 PSI. MORTAR SHALL CONFORM TO ASTM C270, TYPE S. GROUT SHALL CONFORM TO ASTM C476 AND SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2000 PSI.
- 3. REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60, UNLESS NOTED OTHERWISE. REINFORCING STEEL TO BE WELDED SHALL CONFORM TO ASTM A706.
- 4. CONTINUOUS WIRE REINFORCING (JOINT REINFORCING) SHALL BE GALVANIZED TRUSS OR LADDER TYPE FORMED FROM 9 GAUGE COLD-DRAWN STEEL WIRE COMPLYING WITH ASTM A82. JOINT REINFORCING SHALL BE SPACED AT 18" O.C. VERTICALLY IN ALL MASONRY WALLS.
- 5. ALL REINFORCED CELLS, ALL CELLS BELOW GRADE AND ALL CELLS BELOW FINISH FLOOR SHALL BE GROUTED SOLID.
- 6. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL BLOCK JOINT, IT SHALL NOT BE SLOPED MORE THAN ONE PERCENT (1%) VERTICALLY. DOWELS MAY BE GROUTED INTO A CELL IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCING JOINT CELL FOR THE FULL HEIGHT OF THE DOWEL.
- 7. REINFORCING STEEL SHALL BE CENTERED IN THE MASONRY UNIT CELL, UNLESS NOTED OTHERWISE.
- 8. VERTICAL REINFORCING STEEL SHALL HAVE A MINIMUM GROUT COVER OF 1/2" OF ANCHOR TO THE INSIDE FACE OF MASONRY UNIT AND A MINIMUM TOTAL MASONRY COVER NOT LESS THAN TWO UNITS.
- 9. PARALLEL ADJACENT VERTICAL REINFORCING BARS SHALL HAVE A MINIMUM CLEAR SPACING NOT LESS THAN 1 1/2 BAR DIAMETERS NOR 1 1/2 INCHES.
- 10. VERTICAL CELLS THAT WILL BE GROUTED SHALL HAVE A VERTICAL ALIGNMENT TO MAINTAIN CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 3"x4".

REINFORCED MASONRY (CONT.):

- 11. GROUTING SHALL BE STOPPED 1-1/2" BELOW THE TOP OF A COURSE SO AS TO FORM A KEY AT THE POUR JOINT.
- 12. GROUTING OF MASONRY BEAMS OVER OPENINGS SHALL BE DONE IN ONE CONTINUOUS OPERATION.
- 13. ALL BOLTS, ANCHORS, ETC., INSERTED IN THE WALLS, SHALL BE GROUTED SOLID INTO POSITION.
- 14. SPliced REINFORCING BARS SHALL BE LAPPED A MINIMUM OF 72 BAR DIAMETERS.

STRUCTURAL STEEL:

- 1. STEEL SHALL CONFORM TO THE FOLLOWING GRADES:
WIDE FLANGE SHAPES A992 OR A572 GR. 50 (F_y = 50)
CHANNELS, ANGLES, PLATES, ETC. (UNO) A992 (F_y=50)
STRUCTURAL TUBE A500 (F_y=48)
STEEL PIPE A53 (F_y=35)
THREADED RODS F1554, A36 OR A307
WELDS A325
E70XX
- 2. ALL STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERRECTED IN ACCORDANCE WITH THE AISC CODE OF STANDARD PRACTICE (360-05), EXCEPT AS MODIFIED IN THESE NOTES AND THE PROJECT SPECIFICATIONS.
- 3. ALL STRUCTURAL STEEL TO HAVE A SHOP GRADE PRIMER UNLESS NOTED OTHERWISE.

EXISTING CONSTRUCTION:

- 1. WORK SHOWN IS NEW UNLESS INDICATED AS EXISTING.
- 2. EXISTING CONSTRUCTION SHOWN IS BASED UPON ASSUMED EXISTING CONDITIONS AND CAN BE USED FOR BIDDING PURPOSES. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING JOB CONDITIONS. REVIEW ALL DRAWINGS AND VERIFY DIMENSIONS, ELEVATIONS, AND MEMBER SIZES PRIOR TO CONSTRUCTION OR MATERIAL PURCHASE. THE CONTRACTOR SHALL NOTIFY THE PROFESSIONAL OF RECORD IN WRITING OF ALL DISCREPANCIES AND EXCEPTIONS BEFORE PROCEEDING WITH THE WORK.
- 3. THE REMOVAL, CUTTING, DRILLING, ETC. OF EXISTING CONSTRUCTION SHALL BE PERFORMED WITH GREAT CARE IN ORDER NOT TO JEOPARDIZE THE STRUCTURAL INTEGRITY OF THE BUILDING. IF STRUCTURAL MEMBERS OR MECHANICAL, ELECTRICAL, OR ARCHITECTURAL FEATURES NOT INDICATED FOR REMOVAL INTERFERE WITH THE NEW WORK, THE PROFESSIONAL OF RECORD SHALL BE IMMEDIATELY NOTIFIED AND PRIOR WRITTEN APPROVAL SHALL BE OBTAINED BEFORE REMOVAL OR MODIFICATION OF MEMBERS.
- 4. THE CONTRACTOR SHALL RESTORE ALL EXISTING INCIDENTAL CONSTRUCTION REQUIRED TO BE REMOVED TO ACCOMMODATE THE ERECTION OF THE NEW JOIST CONSTRUCTION TO ITS ORIGINAL WORKING CONDITION.
- 5. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS & METHOD OF ALL DEMOLITION WORK & FOR PROVIDING ALL NECESSARY TEMPORARY SHORING, BRACING & PROTECTION AS NECESSARY FOR SAFETY, STABILITY & PROTECTION OF ALL BUILDING ELEMENTS & STRUCTURE DURING CONSTRUCTION & DEMOLITION.

MISCELLANEOUS:

- 1. NO CHANGE IN SIZE OR DIMENSION OF STRUCTURAL MEMBERS SHALL BE MADE WITHOUT THE WRITTEN APPROVAL OF THE PROFESSIONAL OF RECORD.
- 2. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
- 3. NO OPENINGS SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT THE WRITTEN APPROVAL OF THE PROFESSIONAL OF RECORD.
- 4. DO NOT SCALE THESE DRAWINGS. USE DIMENSIONS.
- 5. THE CONTRACTOR SHALL INFORM THE PROFESSIONAL OF RECORD IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL NOT BE RELIEVED OF THE RESPONSIBILITY OF SUCH DEVIATION BY THE PROFESSIONAL OF RECORD REVIEW OF SHOP DRAWINGS, PRODUCT DATA, ETC., UNLESS THE CONTRACTOR HAS SPECIFICALLY INFORMED THE PROFESSIONAL OF RECORD OF SUCH DEVIATION AT THE TIME OF SUBMISSION, AND THE PROFESSIONAL OF RECORD HAS GIVEN WRITTEN APPROVAL TO THE SPECIFIC DEVIATION.
- 6. ANY DETAIL TITLED AS A TYPICAL DETAIL IS APPLICABLE THROUGHOUT THE DESIGN DRAWINGS. THESE DETAILS ARE DEFINED AS GENERAL STANDARDS THAT ARE USUALLY NOT IDENTIFIED BY SPECIFIC REFERENCE WITHIN THE DRAWINGS. THESE DETAILS MAY BE MODIFIED OR SUPERSEDED BY SPECIFIC DETAILS THAT ARE REFERENCED WITHIN THE DRAWINGS.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON THE STRUCTURAL FRAMING. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE FRAMING AT THE TIME THE LOADS ARE IMPOSED.

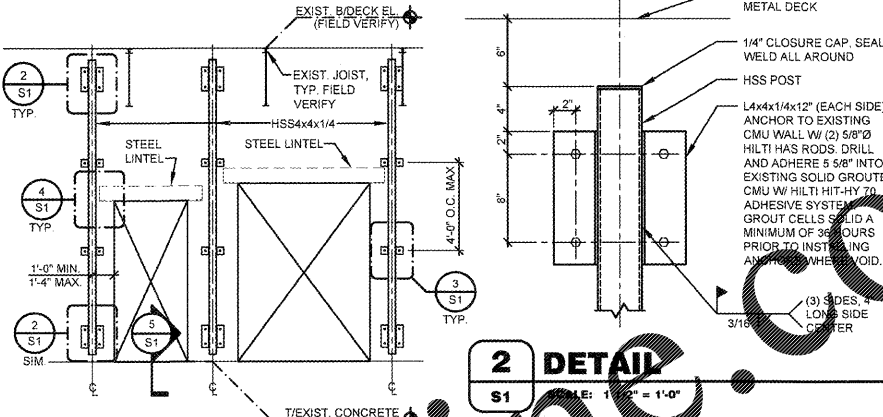
SPECIAL INSPECTIONS:

- 1. THE OWNER WILL EMPLOY THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE SPECIAL INSPECTIONS DURING CONSTRUCTION FOR THE REQUIRED SPECIAL INSPECTION ITEMS.
- 2. THE SPECIAL INSPECTOR SHALL BE A LICENSED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL AND THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION.
- 3. DUTIES AND RESPONSIBILITIES OF THE SPECIAL INSPECTOR:
A. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR HIS/HER CONFORMANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS. THE INSPECTOR MAY NOT ALTER, MODIFY, ENLARGE OR WAIVE ANY OF THE REQUIREMENTS OF THE DOCUMENTS.
B. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE PROFESSIONAL-OF-RECORD, AND THE CONTRACTOR. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN, IF UNCORRECTED, SUBMIT A COMPLETE LIST OF ALL OUTSTANDING DISCREPANCIES ON A WEEKLY BASIS TO THE OWNER, THE BUILDING OFFICIAL, AND THE PROFESSIONAL-OF-RECORD, UNTIL ALL CORRECTIONS HAVE BEEN COMPLETED.
C. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE BUILDING CODE.
- 4. WHERE SPECIAL INSPECTION REQUIREMENTS DUPLICATE THE REQUIREMENTS OF OTHER SPECIFIED TESTING, DUPLICATE INSPECTIONS SHALL NOT BE REQUIRED.
- 5. SPECIAL INSPECTIONS SHALL BE REQUIRED IN ACCORDANCE WITH THE FOLLOWING TABLE.
- 6. STRUCTURAL OBSERVATION (AS DEFINED IN CHAPTER 17 OF THE BUILDING CODE) IS NOT REQUIRED, UNLESS SPECIFICALLY REQUIRED BY THE BUILDING OFFICIAL.
- 7. SPECIAL INSPECTIONS SHALL BE PROVIDED IN ACCORDANCE WITH THE FOLLOWING TABLE.

SPECIAL INSPECTIONS SCHEDULE		
SPECIAL INSPECTION	FREQ.	REFERENCED STANDARD(S)
MASONRY CONSTRUCTION:		
1. AS MASONRY CONSTRUCTION BEGINS, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. PROPORTIONS OF SITE PREPARED MORTAR.	PERIODIC	ACI 530.1/ASCE 6/TMS 602: Art. 2.6A
B. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC	ACI 530.1/ASCE 6/TMS 602: Art. 3.3B
C. LOCATION OF REINFORCEMENT AND CONNECTORS.	PERIODIC	ACI 530.1/ASCE 6/TMS 602: Art. 3.4, 3.6A
2. THE INSPECTION PROGRAM SHALL VERIFY:		
A. SIZE AND LOCATION OF STRUCTURAL ELEMENTS.	PERIODIC	ACI 530.1/ASCE 6/TMS 602: Art. 3.3G
B. TYPE, SIZE AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE OF MASONRY TO STRUCTURAL MEMBERS, FRAMES, OR OTHER CONSTRUCTION.	PERIODIC	ACI 530/ASCE 6/TMS 602-SEC. 1.2.2(a), 1.1.4, 3.1.6, 1.12, 2.1.10.6.2, 3.2.3.4(b)
C. SPECIFIED SIZE, GRADE, AND TYPE OF REINFORCEMENT	PERIODIC	ACI 530.1/ASCE 6/TMS 602: Sec. 1.12, ACI 530.1/ASCE 6/TMS 602: Art. 2.4, 3.4
D. WELDING OF REINFORCING BARS.	PERIODIC	ACI 530/ASCE 6/TMS 602: Sec. 2.1.10.2, 3.2.3.4(b)
E. PROTECTION OF MASONRY DURING COLD WEATHER (TEMPERATURE BELOW 40° F) OR HOT WEATHER (TEMPERATURE ABOVE 90° F)	PERIODIC	ACI 530.1/ASCE 6/TMS 602: Art. 1.8C, 1.8D
3. PRIOR TO GROUTING, THE FOLLOWING SHALL BE VERIFIED TO ENSURE COMPLIANCE:		
A. GROUT SPACE IS CLEAN	PERIODIC	ACI 530.1/ASCE 6/TMS 602: Art. 3.2D
B. PLACEMENT OF REINFORCEMENT AND CONNECTORS.	PERIODIC	ACI 530/ASCE 6/TMS 602: Sec. 1.12, ACI 530.1/ASCE 6/TMS 602: Art. 2.8B
C. PROPORTIONS OF SITE PREPARED GROUT.	PERIODIC	ACI 530.1/ASCE 6/TMS 602: Art. 2.8B
D. CONSTRUCTION OF MORTAR JOINTS.	PERIODIC	ACI 530.1/ASCE 6/TMS 602: Art. 3.3B
4. GROUT PLACEMENT SHALL BE VERIFIED TO ENSURE COMPLIANCE WITH CODE AND CONSTRUCTION DOCUMENT PROVISIONS.	CONT.	ACI 530/ASCE 6/TMS 602-ART. 3.5
5. PREPARATION OF ANY REQUIRED GROUT SPECIMENS, MORTAR SPECIMENS, AND/OR PRISMS SHALL BE OBSERVED.	CONT.	ACI 530/ASCE 6/TMS 602-ART. 1.4, AND IBC SEC. 2105.2.2 AND 2105.3
6. COMPLIANCE WITH REQUIRED INSPECTION PROVISIONS OF THE CONSTRUCTION DOCUMENTS AND THE APPROVED SUBMITTALS SHALL BE VERIFIED.	PERIODIC	ACI 530/ASCE 6/TMS 602-ART. 1.5
STEEL CONSTRUCTION:		
1. MATERIAL VERIFICATION OF HIGH-STRENGTH BOLTS, NUTS, AND WASHERS. HIGH-STRENGTH BOLTING		
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS	PERIODIC	APPLICABLE ASTM MATERIAL SPECIFICATIONS, AISC ASD Sec. A3.3, AISC LRFD Sec. A3.3
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	---
2. INSPECTION OF BEARING-TYPE CONNECTIONS		
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	PERIODIC	---
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED	PERIODIC	ASTM A-6 OR ASTM A-568
3. MATERIAL VERIFICATION OF STRUCTURAL STEEL:		
A. IDENTIFICATION MARKINGS TO CONFORM TO ASTM STANDARDS SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS.	PERIODIC	---
B. MANUFACTURER'S CERTIFIED MILL TEST REPORTS REQUIRED	PERIODIC	---
4. MATERIAL VERIFICATION OF WELD FILLER MATERIAL:		
A. IDENTIFICATION MARKINGS TO CONFORM TO AWS SPECIFICATIONS IN THE APPROVED CONSTRUCTION DOCUMENTS.	PERIODIC	---
B. MANUFACTURER'S CERTIFICATE OF COMPLIANCE REQUIRED	PERIODIC	AISC ASD Sec. A3.6; AISC LRFD Sec. A3.5
5. INSPECTION OF WELDS:		
A. SINGLE-PASS FILLET WELDS: 5/16"	PERIODIC	AWS D1.1
ADHESIVE ANCHORS/REINFORCEMENT:		
1. DURING PLACEMENT OF ADHESIVE ANCHORS OR REINFORCEMENT EMBEDDED WITH ADHESIVE (AS SPECIFIED ON THE CONSTRUCTION DOCUMENTS) IN MASONRY AND CONCRETE:		
A. SIZE AND EMBEDMENT OF ANCHORS/REINF.	CONTINUOUS	---
B. ANCHORS/REINFORCEMENT INSTALLED PER MANUFACTURER'S RECOMMENDATIONS.	CONTINUOUS	MANUFACTURER'S INSTALLATION INSTRUCTIONS
CONCRETE CONSTRUCTION:		
1. INSPECTION OF REINFORCING STEEL AND PLACEMENT	PERIODIC	IBC1913.4; ACI 318: 3.5, 7.1-7.7
2. INSPECTION OF BOLTS TO BE INSTALLED IN CONCRETE PRIOR TO AND DURING PLACEMENT OF CONCRETE.	CONTINUOUS	IBC1911.5, 1912.1, ACI 318: 8.1.3, 21.2.8
3. INSPECTION OF ANCHORS INSTALLED IN HARDENED CONCRETE.	PERIODIC	IBC1912.1; ACI 318: 3.6.6, 8.1.3, 21.2.8
4. VERIFYING USE OF REQUIRED DESIGN MIX	PERIODIC	IBC 1904.2.2, 1913.2, 1913.3, ACI 318: Ch. 4, 5.2-5.4
5. 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.	CONTINUOUS	IBC1913.10; ASTM C172; ASTM C31; ACI 318: 5.6, 5.8
6. INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	CONTINUOUS	IBC: 1913.6, 1913.7, 1913.8; ACI 318: 5.9, 5.10
7. INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	PERIODIC	IBC1913.9; ACI 318: 5.11-5.13
8. INSPECTION FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	PERIODIC	ACI 318: 6.1.1

SUBGRADE PREPARATION NOTE:

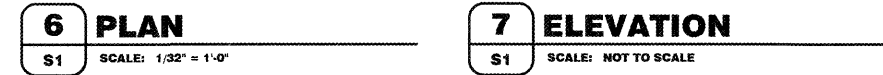
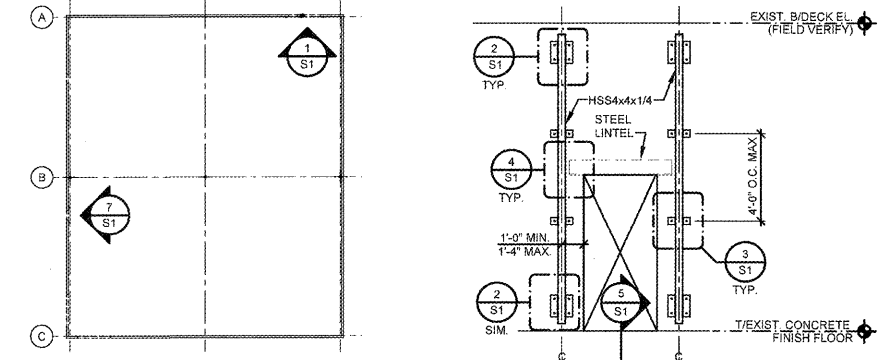
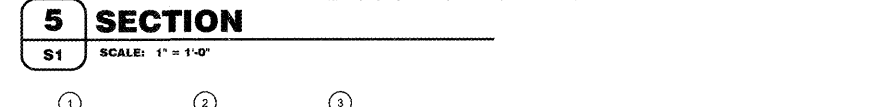
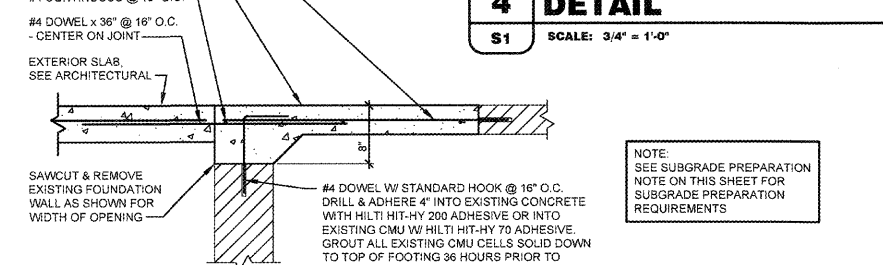
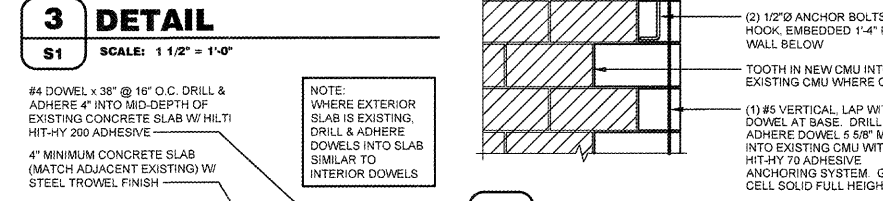
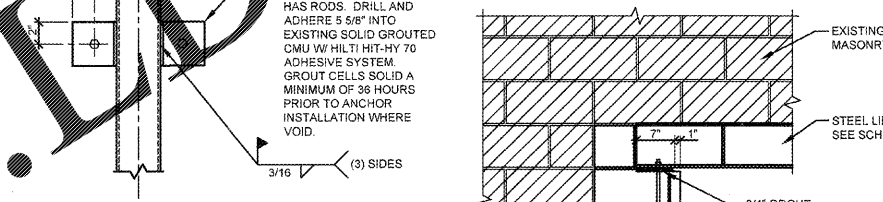
- 1. ALL EXPOSED AND/OR DISTURBED GRANULAR BASE AREAS SHALL BE COMPACTED TO A MINIMUM DEPTH OF 8" AND TO A MINIMUM OF 95% OF OPTIMUM DENSITY IN ACCORDANCE WITH ASTM D 1557 AT OPTIMUM MOISTURE CONTENT. ALL SUBGRADE SOIL AREAS EXPOSED BY EXCAVATIONS AND GRADING SHALL BE COMPACTED TO A MINIMUM DEPTH OF 12" AND TO A MINIMUM OF 95% OF OPTIMUM DENSITY IN ACCORDANCE WITH ASTM D 1557 AT OPTIMUM MOISTURE CONTENT. FILL WHERE REQUIRED SHALL BE PLACED IN LIFTS NOT TO EXCEED 8" LOOSE MEASURE AND SHALL BE COMPACTED AS OUTLINED ABOVE. THE ON SITE TESTING COMPANY SHALL PROVIDE TESTING AND INSPECTION OF THE SOIL WORK PRIOR TO PLACING CONCRETE.



STEEL LINTEL SCHEDULE		
CLEARANCE	8" BLOCK OR 8" BLOCK + 4" BRICK	8" BLOCK
12" OR LESS	(3) L3 1/2"x3 1/2"x1/4"	(2) L3 1/2"x3 1/2"x1/4"
OVER 12" TO 7'-8"	W8x10 W/ 11"x14" PLATE	W8x10 W/ 7"x14" PLATE

LINTEL NOTES:

- 1. LINTEL SIZES SHOWN APPLY WHERE LINTEL SIZES ARE NOT OTHERWISE SHOWN ON THE DRAWINGS.
- 2. WHERE W8 BEAMS WITH PLATES ARE USED, PLATE SHALL BE CENTERED ON WALL AND SHALL EXTEND FULL LENGTH OF BEAM. WELD PLATE TO BEAM WITH 3/16" FILLET WELDS 1/2" LONG SPACED AT 12" O.C. EACH SIDE.
- 3. ANGLE LINTELS WHICH OCCUR IN EXTERIOR WALLS SHALL BE GALVANIZED. WHERE W8 BEAMS WITH PLATES ARE USED PLATES SHALL BE GALVANIZED.



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GENERAL NOTES & DETAILS

FEB 14 2018

DRAWN: MPD
CHECKED: MPD
DATE: 2-15-2018
JOB NO.: 319287 (LTO)
SHEET: **S1**

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