

GENERAL INFORMATION

1. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS ARE PROTECTED BY U.S.A. COPYRIGHT LAWS. THESE STRUCTURAL DRAWINGS SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THE CONSTRUCTION OF THE STRUCTURE FOR THE BUILDING DESCRIBED IN THE ARCHITECTURAL DRAWINGS AT THE GEOGRAPHIC LOCATION SHOWN. THE DESIGN OF THE STRUCTURE REPRESENTED BY THESE DOCUMENTS IS NOT VALID FOR ANY OTHER GEOGRAPHIC LOCATION, PURPOSE, OR USE.
2. THE STRUCTURAL GENERAL NOTES SHOWN ON THESE SHEET(S) SHALL APPLY TO ALL STRUCTURAL DRAWINGS UNLESS SPECIFICALLY SHOWN OR NOTED OTHERWISE.
3. THE DETAILS IN THESE STRUCTURAL DRAWINGS DESIGNATED AS "TYPICAL DETAILS", WHICH MAY OR MAY NOT BE SPECIFICALLY REFERENCED, ARE APPLICABLE TO THE CONSTRUCTION IN ALL LOCATIONS WHERE CONDITIONS ARE SIMILAR TO THOSE DESCRIBED IN THE TYPICAL DETAILS.
4. THE STRUCTURAL DRAWINGS SHALL NOT BE VIEWED AS STAND-ALONE DRAWINGS WITH RESPECT TO PROJECT DIMENSIONS OR ANY OTHER COMPONENT OF THE CONSTRUCTION THAT CAN AND MAY BE IDENTIFIED IN OTHER PARTS OF THE CONTRACT DOCUMENTS.
5. IN CASE OF A CONFLICT BETWEEN THE GENERAL NOTES AND THE SPECIFICATIONS, CONSULT THE STRUCTURAL ENGINEER FOR CLARIFICATION PRIOR TO WORK.
6. THE STRUCTURAL DRAWINGS SHALL NOT BE VIEWED AS DETAILED SHOP OR ERECTION DRAWINGS.
7. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS SO STATED OR NOTED, THEY DO NOT INDICATE COMPONENTS THAT ARE NECESSARY FOR SUPPORTING AND STABILIZING THE WORK DURING CONSTRUCTION OR THE MEANS AND METHODS OF CONSTRUCTION, ALL OF WHICH ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING OR BRACING WHERE THE STRUCTURE HAS NOT YET OBTAINED THE FINAL REQUIRED DESIGN STRENGTH.
8. ELEVATIONS PROVIDED IN THE STRUCTURAL DRAWINGS ARE RELATIVE ELEVATIONS AND ARE NOT INTENDED TO ESTABLISH THE ACTUAL SEA LEVEL ELEVATION OF ANY PORTION OF THE STRUCTURE. REFER TO THE ARCHITECTURAL AND CIVIL DRAWINGS FOR ACTUAL SEA LEVEL ELEVATIONS OF VARIOUS ELEMENTS OF THE BUILDING.
9. THE LOCATION AND DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, RECESSES, SLOPES, BLOCKOUTS, CURBS, AND EMBEDMENTS SHOWN IN THE STRUCTURAL DRAWINGS WHICH ARE RELATED TO PURPOSES DEPICTED IN CONTRACT DOCUMENTS OTHER THAN THE STRUCTURAL DRAWINGS OR BY MANUFACTURERS AND INSTALLERS OF VARIOUS EQUIPMENT AND FINISHES SHALL BE VERIFIED BY THE CONTRACTOR TO BE SUITABLE FOR THE PURPOSES DEPICTED BY THE CONTRACT DOCUMENTS REQUIRING SUCH ITEMS OR TO BE SUITABLE FOR THE INSTALLATION OF VARIOUS EQUIPMENT AND FINISHES. ANY REQUIREMENT FOR RELOCATION OR CHANGE IN DIMENSIONS OF ANY OPENING, DEPRESSION, RECESS, SLOPE, BLOCKOUT, OR EMBEDMENT SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER IN DRAWING FORM PRIOR TO THE FABRICATION OF MATERIALS OR CONSTRUCTION.
10. VARIOUS OPENINGS, DEPRESSIONS, RECESSES, SLOPES, BLOCKOUTS, CURBS, AND EMBEDMENTS NOT SHOWN IN THE STRUCTURAL DRAWINGS MAY BE REQUIRED IN THE STRUCTURE FOR PURPOSES DEPICTED IN CONTRACT DOCUMENTS OTHER THAN THE STRUCTURAL DRAWINGS OR BY THE MANUFACTURERS AND INSTALLERS OF VARIOUS EQUIPMENT AND FINISHES. THE CONTRACTOR SHALL INCORPORATE THE LOCATION AND DIMENSIONS OF ANY OPENING, DEPRESSION, RECESS, SLOPE, BLOCKOUT, OR EMBEDMENT INTO THE STRUCTURE AS REQUIRED FOR THE PURPOSES DEPICTED BY THE CONTRACT DOCUMENTS REQUIRING SUCH ITEMS OR TO BE SUITABLE FOR THE INSTALLATION OF VARIOUS EQUIPMENT AND FINISHES. THE SUITABLE LOCATION AND DIMENSIONS OF ALL OPENINGS, DEPRESSIONS, RECESSES, SLOPES, BLOCKOUTS, AND EMBEDMENTS SHALL BE SUBMITTED TO THE ARCHITECT AND ENGINEER IN DRAWING FORM PRIOR TO THE FABRICATION OF MATERIALS OR CONSTRUCTION.
11. THE DRAWINGS IN THE STRUCTURAL DOCUMENTS SHALL NOT BE SCALED FOR ANY PURPOSE, INCLUDING THE DETERMINATION OF QUANTITIES AND THE FIT UP OF MATERIALS.
12. THE CONTRACTOR SHALL INSPECT THE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR EXISTING FOUNDATION, UTILITIES, ETC. IF ANY UNKNOWN ITEMS ARE FOUND AND ALTER THE STRUCTURAL DRAWINGS, THE STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
13. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING CONSTRUCTION, INCLUDING ALL SHORING, ERECTION, BRACING, ETC.; AND ALL JOB SITE SAFETY.
15. CRANES, CONCRETE TRUCKS AND ALL OTHER HEAVILY LOADED VEHICLES SHALL NOT BE DRIVEN ACROSS GRADE BEAMS OR BUILDING SLABS.
16. ERECTION OF STRUCTURAL STEEL SHALL NOT BEGIN UNTIL CONCRETE FOUNDATION HAS CURED FOR A MINIMUM OF THREE (3) DAYS. STRUCTURAL STEEL OR OTHER HEAVY LOADS SHALL NOT BE STOCKPILED ON ANY SLAB UNTIL IT HAS CURED FOR A MINIMUM OF THREE (3) DAYS.

PRIMARY BUILDING CODES AND STANDARDS

1. GENERAL BUILDING CODES (LATEST EDITION UNO):
A. UNITED FACILITIES CRITERIA (UFC) 1-200-01 - DOD BUILDING CODE GENERAL BUILDING REQUIREMENTS, CHANGE 1, OCTOBER 2020
B. UNITED FACILITIES CRITERIA (UFC) 3-301-01 - STRUCTURAL ENGINEERING, OCTOBER 2019
C. UNITED FACILITIES CRITERIA (UFC) 4-010-01 - DOD MINIMUM ANTITERRORISM STANDARDS FOR BUILDINGS, CHANGE 1, AUGUST 2020
D. 2018 INTERNATIONAL BUILDING CODE (IBC)
E. 2018 INTERNATIONAL EXISTING BUILDING CODE
F. 2016 AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) / STRUCTURAL ENGINEERING INSTITUTE (SEI) MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7)
2. CONCRETE BUILDING CODES (LATEST EDITION UNO):
A. 2014 AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318)
B. 2010 AMERICAN CONCRETE INSTITUTE SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301)
3. STEEL BUILDING CODES (LATEST EDITION UNO):
A. 2016 AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS (AISC 360)
B. 2014 AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE (D1.1)
C. 2011 AMERICAN WELDING SOCIETY (AWS) STRUCTURAL WELDING CODE - STEEL REINFORCING BARS (D1.4)
4. MASONRY BUILDING STANDARDS (LATEST EDITION UNO):
A. 2016 BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (TMS 402/602).
5. OTHER BUILDING STANDARDS (LATEST EDITION UNO):
A. ASTM INTERNATIONAL (ASTM)

EXISTING CONDITIONS

1. EXISTING CONDITIONS INDICATED ON DRAWINGS ARE FOR REFERENCE ONLY. FIELD VERIFY ALL DIMENSIONS AND CONDITIONS OF ANY EXISTING BUILDINGS AT JOB SITE. REPORT ANY DISCREPANCIES FROM ASSUMED CONDITIONS INDICATED ON DRAWINGS TO ARCHITECT PRIOR TO FABRICATION AND ERECTION OF ANY MEMBER.
2. IMMEDIATELY SUBMIT ANY MODIFICATIONS TO PLANS AND SPECIFICATIONS THAT ARE NECESSARY AS A RESULT OF FIELD VERIFICATIONS PERFORMED BY CONTRACTOR TO ARCHITECT FOR APPROVAL. UPON APPROVAL, INCORPORATE THESE MODIFICATIONS INTO SHOP DRAWINGS PRIOR TO SUBMITTING THEM TO ARCHITECT.
3. BUILD APPROPRIATE CONTINGENCIES INTO PROJECT'S BUDGET AND SCHEDULE TO ACCOUNT FOR MODIFICATIONS TO STRUCTURAL FRAMING THAT MAY BE NECESSARY TO ACCOMMODATE EXISTING CONDITIONS THAT ARE DISCOVERED TO BE DIFFERENT FROM THOSE INDICATED ON DRAWINGS.
4. EXISTING CONSTRUCTION HAS NOT BEEN VERIFIED FOR CONFORMANCE WITH REQUIREMENTS OF APPLICABLE BUILDING CODE EXCEPT FOR AREAS DIRECTLY AFFECTED BY MODIFICATIONS INDICATED HEREIN.
5. CONTRACTOR IS RESPONSIBLE FOR ALL ERECTION PROCEDURES AND SEQUENCES. PROVIDE ADEQUATE SHORING AND TEMPORARY BRACING FOR EXISTING CONSTRUCTION.
6. PERFORM DRILLING INTO EXISTING CONCRETE IN A MANNER WHICH AVOIDS DAMAGE TO EXISTING REINFORCEMENT. USE BAR DETECTION METHODS TO LOCATE REINFORCEMENT PRIOR TO DRILLING.
7. THOROUGHLY CLEAN FACE OF ALL CONCRETE SURFACES CUT FROM EXISTING CONCRETE. ALLOW SURFACE TO COMPLETELY DRY. COAT WITH AN APPROVED BONDING AGENT AND FINISH WITH AN APPROVED PATCHING COMPOUND. CUT EXPOSED REINFORCEMENT, GRIND FLUSH TO NEW CONCRETE SURFACE AND FINISH WITH AN EPOXY PAINT.
8. WHERE EXISTING CONCRETE REINFORCEMENT IS TO BE REUSED IN PLACE, REMOVE CONCRETE IN A MANNER WHICH MINIMIZES DAMAGE TO REINFORCEMENT. REPLACE DAMAGED REINFORCEMENT BY A METHOD APPROVED BY ARCHITECT.
9. EXISTING STRUCTURAL FRAMING AND LAYOUT IS BASED UPON AS-BUILT DRAWINGS FOR ADJACENT SYMMETRIC DORMITORY BUILDING B848 DATED MAY 2003 AND GO-BY STRUCTURAL DRAWINGS FOR ADJACENT SYMMETRIC DORMITORY BUILDING B860 PREPARED BY ENGINEERING CONSULTANTS, INC DATED OCTOBER 2025 PROVIDED BY THE LITTLE ROCK AIR FORCE BASE (LRAFB) WITHIN THE REQUEST FOR PROPOSAL FOR THIS PROJECT.

GEOTECHNICAL REPORT

1. FOUNDATION DESIGN IS BASED ON THE SUBSURFACE INFORMATION AND RECOMMENDATIONS PROVIDED IN THE FOLLOWING GEOTECHNICAL INVESTIGATION REPORT:
A. REPORT PREPARED BY. TERRACON
B. REPORT TITLE GEOTECHNICAL ENGINEERING REPORT
C. REPORT LOCATION LRAFB DORMITORY, BUILDING 718 ON FIRELANE BLVD
D. REPORT NUMBER 35255055
E. REPORT DATE FEBRUARY 3, 2026
2. THE PROJECT GEOTECHNICAL REPORT REFERENCED HEREIN IS NOT PART OF THE STRUCTURAL DOCUMENTS. HOWEVER, A COPY SHALL BE OBTAINED FOR REFERENCE DURING INSTALLATION OF FOUNDATIONS AND SUBGRADE PREPARATION.

STRUCTURAL DESIGN LOADS AND DESIGN DATA

1. LIVE LOADS:
A. ROOF UNIFORM* 20 PSF CONCENTRATED** 300 LBS
B. STAIRS AND EXIT WAYS 100 PSF 2,000 LBS
*UNIFORM LIVE LOADS ARE REDUCIBLE AS ALLOWED BY BUILDING CODE.
**CONCENTRATED LOAD TO BE APPLIED OVER AN AREA OF 2.5FT BY 2.5FT
2. SNOW LOAD DATA:
A. GROUND SNOW LOAD, P_g 10 PSF
3. WIND LOAD DATA:
A. RISK CATEGORY. II
B. ULTIMATE DESIGN WIND SPEED, V_{ult} 105 MPH
C. NOMINAL DESIGN WIND SPEED, V_{asd} 82 MPH
D. WIND EXPOSURE CATEGORY C
E. INTERNAL PRESSURE COEFFICIENT, GC_{pi} ±0.55 (PARTIALLY ENCLOSED)
F. C&C ZONE WIDTH, a 4.1 FT
G. COMPONENTS AND CLADDING (C&C) ULTIMATE WIND PRESSURES
WALL AREA 10 SF 100 SF 500 SF
NEGATIVE ZONE 4 -39.9 -32.6 -32.6
NEGATIVE ZONE 5 -47.1 -38.6 -32.6
POSITIVE ZONES 4 & 5 37.4 33.2 30.2
ROOF AREA 10 SF 100 SF 500 SF
NEGATIVE ZONE 1 -44.7 -37.4 -37.4
NEGATIVE ZONE 2E -56.8 -43.8 -39.9
NEGATIVE ZONE 2R -71.3 -50.8 -44.7
NEGATIVE ZONE 3 -76.1 -53.8 -47.1
POSITIVE ALL ZONES 30.2 20.5 20.5
OVERHANG ZONE 1 -43.5 -48.3 -48.3
OVERHANG ZONE 2E -55.6 -51.8 -50.7
OVERHANG ZONE 2R -70.1 -58.9 -55.6
OVERHANG ZONE 3 -89.4 -56.0 -45.9
4. EARTHQUAKE LOAD DATA:
A. RISK CATEGORY. II
B. SEISMIC IMPORTANCE FACTOR, I_e 1.0
C. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS
a. S_s 0.485
b. S₁ 0.168
D. SITE CLASS C
E. DESIGN SPECTRAL RESPONSE ACCELERATION PARAMETERS
a. S_{ps} 0.420
b. S_{p1} 0.168
F. SEISMIC DESIGN CATEGORY C
G. SEISMIC FORCE RESISTING SYSTEM STRUCTURAL STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE
H. RESPONSE MODIFICATION COEFFICIENT, R 3.0
I. SEISMIC FORCE RESISTING COEFFICIENT, C_s 0.140
J. DESIGN BASE SHEAR, V 0.140W
K. ANALYSIS PROCEDURE USED EQUIVALENT LATERAL FORCE ANALYSIS
5. RAIN LOAD DATA
A. 15-MINUTE PRECIPITATION INTENSITY. 6.51 IN/HR
B. 60-MINUTE PRECIPITATION INTENSITY. 3.21 IN/HR

DEFERRED STRUCTURAL SUBMITTALS

1. THE FOLLOWING DEFERRED STRUCTURAL SUBMITTALS SHALL BE SUBMITTED TO THE ARCHITECT-OF-RECORD AND STRUCTURAL ENGINEER-OF-RECORD FOR REVIEW AND APPROVAL:
A. PRE-FABRICATED STEEL STAIRS, HANDRAILS, AND GUARDRAILS
B. STRUCTURAL STEEL CONNECTIONS (IF TYPICAL DETAIL NOT USED)
C. COLD-FORMED STEEL WALL FRAMING AND ROOF TRUSSES
D. EXISTING BUILDING SEISMIC EVALUATION AND FIBERGLASS REINFORCED POLYMER (FRP) SEISMIC RETROFIT DESIGN
E. SEISMIC BRACING REQUIRED FOR MEP EQUIPMENT
a. PROVIDE SEISMIC BRACING/RESTRAINT AS REQUIRED BY AMERICAN SOCIETY OF CIVIL ENGINEERS (ASCE) 7, THE INTERNATIONAL BUILDING CODE (IBC) AND NFPA 13 FOR SEISMIC DESIGN CATEGORY (SDC = "C") AND IMPORTANCE FACTOR (Ip = 1.5). REFER TO DETAILS ON THIS SHEET FOR ADDITIONAL REQUIREMENTS.
2. DEFERRED STRUCTURAL SUBMITTALS SHALL BE SIGNED AND SEALED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE IN WHICH THE PROJECT IS LOCATED.
3. DEFERRED STRUCTURAL SUBMITTALS SHALL BE SUBMITTED TO THE BUILDING OFFICIAL BY THE CONTRACTOR FOR REVIEW AND APPROVAL UPON REVIEW AND APPROVAL BY THE ARCHITECT-OF-RECORD AND STRUCTURAL ENGINEER-OF-RECORD.
4. DEFERRED STRUCTURAL SUBMITTAL ITEMS SHALL NOT BE FABRICATED OR INSTALLED UNTIL THEY HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT-OF-RECORD, STRUCTURAL ENGINEER-OF-RECORD, AND BUILDING OFFICIAL.

STRUCTURAL SHEET INDEX

SHEET NUMBER	SHEET TITLE
S-001	STRUCTURAL GENERAL NOTES
S-002	STRUCTURAL GENERAL NOTES
S-003	STRUCTURAL GENERAL NOTES
S-004	STRUCTURAL WIND LOADING DIAGRAM
S-005	STRUCTURAL SNOW LOADING DIAGRAM
S-006	STRUCTURAL ISOMETRIC VIEW
SD-101	STRUCTURAL FOUNDATION DEMOLITION PLAN
S-101	STRUCTURAL FOUNDATION PLAN
S-102	STRUCTURAL LEVEL TWO FRAMING PLAN
S-103	STRUCTURAL LEVEL THREE FRAMING PLAN
S-104	STRUCTURAL ROOF FRAMING PLAN
S-301	STRUCTURAL CONCRETE TYPICAL DETAILS
S-302	STRUCTURAL CONCRETE TYPICAL DETAILS
S-310	STRUCTURAL CONCRETE DETAILS
S-311	STRUCTURAL CONCRETE DETAILS
S-401	STRUCTURAL CONCRETE MASONRY TYPICAL DETAILS
S-501	STRUCTURAL STEEL TYPICAL DETAILS
S-502	STRUCTURAL STEEL TYPICAL DETAILS
S-510	STRUCTURAL STEEL DETAILS

STATEMENT OF SPECIAL INSPECTIONS

1. ALL REFERENCES TO INTERNATIONAL BUILDING CODE (IBC) WITHIN THIS DOCUMENT SPECIFICALLY REFER TO THE EDITION OF THE INTERNATIONAL BUILDING CODE AS SPECIFIED IN THE PRIMARY CODES AND SPECIFICATIONS SECTION OF THESE GENERAL NOTES.
2. THIS STATEMENT OF SPECIAL INSPECTIONS IS SUBMITTED IN ACCORDANCE WITH THE SPECIAL INSPECTIONS AND TESTS REQUIREMENTS STED IN SECTION 1704 OF THE INTERNATIONAL BUILDING CODE. IT INCLUDES A SCHEDULE OF SPECIAL INSPECTIONS AND TESTS APPLICABLE TO THIS PROJECT. IF APPLICABLE, IT ALSO INCLUDES REQUIREMENTS FOR SEISMIC RESISTANCE AND/OR REQUIREMENTS FOR WIND RESISTANCE.
3. SPECIAL INSPECTIONS AND STRUCTURAL TESTING SHALL BE PROVIDED FOR THE ITEMS IDENTIFIED IN THIS SECTION AND IN OTHER AREAS OF THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS.
4. THE NAMES AND CREDENTIALS OF THE SPECIAL INSPECTORS TO BE USED SHALL BE SUBMITTED TO AUTHORITY HAVING JURISDICTION FOR APPROVAL.
5. DUTIES OF THE SPECIAL INSPECTOR:
A. THE SPECIAL INSPECTOR SHALL REVIEW ALL WORK LISTED BELOW FOR CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AND THE INTERNATIONAL BUILDING CODE.
B. THE SPECIAL INSPECTOR SHALL FURNISH SPECIAL INSPECTION REPORTS TO THE ENGINEER-OF-RECORD, CONTRACTOR, AND AUTHORITY HAVING JURISDICTION ON A WEEKLY BASIS, OR MORE FREQUENTLY AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION. ALL ITEMS NOT IN COMPLIANCE SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION, AND IF UNCORRECTED, TO THE ENGINEER-OF-RECORD AND THE AUTHORITY HAVING JURISDICTION.
C. ONCE CORRECTIONS HAVE BEEN MADE BY THE CONTRACTOR, THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT TO THE AUTHORITY HAVING JURISDICTION STATING THAT THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE SPECIAL INSPECTOR'S KNOWLEDGE, IN CONFORMANCE WITH THE APPROVED CONSTRUCTION PLANS AND SPECIFICATIONS AS WELL AS THE APPLICABLE WORKMANSHIP PROVISIONS OF THE INTERNATIONAL BUILDING CODE.
6. DUTIES AND RESPONSIBILITIES OF THE CONTRACTOR:
A. THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE AUTHORITY HAVING JURISDICTION PRIOR TO THE COMMENCEMENT OF WORK. IN ACCORDANCE WITH IBC 1704.4, THE STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF THE SPECIAL INSPECTION REQUIREMENTS CONTAINED WITHIN THIS "STATEMENT OF SPECIAL INSPECTIONS".
B. THE CONTRACTOR SHALL NOTIFY THE RESPONSIBLE SPECIAL INSPECTOR THAT WORK IS READY FOR INSPECTION AT LEAST ONE WORKING DAY (24 HOURS MINIMUM) BEFORE SUCH INSPECTION IS REQUIRED.
C. ALL WORK REQUIRING SPECIAL INSPECTION SHALL REMAIN ACCESSIBLE AND EXPOSED UNTIL IT HAS BEEN OBSERVED BY THE SPECIAL INSPECTOR.
7. THE FOLLOWING TABLE IDENTIFIES THE MATERIALS, SYSTEMS, COMPONENTS, AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS OR TESTS BY THE BUILDING SPECIAL INSPECTOR RESPONSIBLE FOR EACH PORTION OF THE WORK. THE FREQUENCY OF EACH SPECIAL INSPECTION OR TEST SHALL BE PERFORMED IN ACCORDANCE WITH THE NOTATION USED IN THE REFERENCED STANDARD WHERE THE INSPECTIONS OR TESTS ARE DEFINED. REFER TO THE STRUCTURAL GENERAL NOTES AND PROJECTS SPECIFICATIONS FOR ADDITIONAL INSPECTION AND TESTING REQUIREMENTS. WHERE CONFLICTS OCCUR, THE MOST STRINGENT REQUIREMENT SHALL CONTROL.

SPECIAL INSPECTIONS AND TESTS PER NOTE 1		
CHECKED IF APPLICABLE	MATERIALS, SYSTEMS, COMPONENTS, AND WORK REQUIRED TO HAVE SPECIAL INSPECTIONS OR TESTS BY THE SPECIAL INSPECTOR RESPONSIBLE FOR EACH PORTION OF THE WORK	SPECIAL INSPECTIONS AND TESTS SHALL BE PREFORMED PER IBC SECTION
☒	STRUCTURAL STEEL	1705.2.1
☒	COLD-FORMED STEEL DECK	1705.2.2
☒	CONCRETE CONSTRUCTION	1705.3
☒	MASONRY CONSTRUCTION	1705.4
☒	SOILS	1705.6
☒	FABRICATED ITEMS	1705.10

CONCRETE MIXES

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM TO THE LATEST EDITIONS OF THE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 318, ACI 301, AND AS NOTED ON THE STRUCTURAL DRAWINGS AND SPECIFICATIONS.
2. ALL CONCRETE MIXES SHALL BE DESIGNED BY QUALIFIED TESTING LABORATORIES WITH PROPER DATES AND APPROVED STAMPS FOR THE PROJECT FOR WHICH THESE DRAWINGS WERE DESIGNED.
3. CONCRETE SHALL CONSIST OF THE FOLLOWING PROPERTIES:
A. FOOTINGS
a. MIN 28-DAY STRENGTH, f_c. 4,000 PSI
b. MAX WATER-TO-CEMENT RATIO. 0.45
c. MAX AGGREGATE SIZE. 1"
d. TOTAL AIR CONTENT. 0%
e. SLUMP. 3" - 5"
B. SLAB-ON-GRADE
a. MIN 28-DAY STRENGTH, f_c. 4,000 PSI
b. MAX WATER-TO-CEMENT RATIO. 0.50
c. MAX AGGREGATE SIZE. 3/4"
d. TOTAL AIR CONTENT. 0% (4.5% AT EXTERIOR)
e. SLUMP. 3" - 5"
C. STEM WALLS, PEDESTALS, PILASTERS
a. MIN 28-DAY STRENGTH, f_c. 4,000 PSI
b. MAX WATER-TO-CEMENT RATIO. 0.45
c. MAX AGGREGATE SIZE. 3/4"
d. TOTAL AIR CONTENT. 4.5%
e. SLUMP. 5" - 7"
D. SLAB-ON-STEEL FLOOR DECK
a. MIN 28-DAY STRENGTH, f_c. 4,000 PSI
b. MAX WATER-TO-CEMENT RATIO. 0.45
c. MAX AGGREGATE SIZE. 3/4"
d. TOTAL AIR CONTENT. 4.5%
e. SLUMP. 3" - 5"

4. FINE AND COARSE AGGREGATES SHALL CONFORM TO ASTM C33 REQUIREMENTS AND TESTING PROCEDURES.
5. SLUMP SPECIFIED IS THE PLACEMENT SLUMP. WORKABILITY ADMXTURES MAY BE REQUIRED TO ACHIEVE THE REQUIRED PLACEMENT SLUMP.
6. CONCRETE MIXING OPERATIONS, DELIVERY, ETC SHALL CONFORM TO ASTM C94.
7. CONCRETE MEASURING, MIXING, TRANSPORTING, AND PLACEMENT SHALL CONFORM WITH ACI 304.
8. CEMENT SHALL BE TYPE I,II (ASTM C 150), OR II (ASTM C 595).
9. SECURELY POSITION ALL REINFORCING BARS, ANCHOR RODS, AND CONCRETE INSERT ITEMS PRIOR TO PLACING CONCRETE.
10. TARGET AIR CONTENT LISTED IS ±1.5%. DO NOT AIR-ENTRAIN INTERIOR FLOOR SLABS THAT ARE TO RECEIVE A HARD TROWEL FINISH.



DATE: SEPT. 2026
DESIGNED BY: JG
DRAWN BY: KNS
BUILDING NO.: 2600756
PROJECT NO.:

SHEET REF.: S-001

SHEET NO.: 1 OF XX

AIR MOBILITY COMMAND
19TH CIVIL ENGINEER SQUADRON
LITTLE ROCK, ARKANSAS

APPROVED
CHIEF ENGINEER
APPROVED
CIVIL ENGINEER

STRUCTURAL GENERAL
NOTES

NKAK 22-1076
B718 DORM
LITTLE ROCK AFB
DETAILS (1)

DESCRIPTION
REV #
DATE
APP'D