1 GENERAL NOTES

1.1 CODES AND DESIGN CRITERIA.
- a BUILDING CODE: INTERNATIONAL BUILDING CODE 2012
- b RISK CATEGORY II

1.2 GENERAL REQUIREMENTS
- a DEFINITIONS:
  - PRIMARY STRUCTURAL SYSTEM IS THE COMPLETED COMBINATION OF ELEMENTS WHICH SERVE TO SUPPORT THE BUILDING'S SELF-WEIGHT, THE APPLICABLE LIVE LOAD, AND THE ENVIRONMENTAL LOADS SUCH AS WIND, SEISMIC.
  - STRUCTURAL ENGINEER OF RECORD (SER) IS THE STRUCTURAL ENGINEER WHO IS LEGALLY ELIGIBLE TO SEAL THE STRUCTURAL DOCUMENTS FOR A BUILDING PROJECT. THE SER IS RESPONSIBLE FOR THE DESIGN OF THE PRIMARY STRUCTURAL SYSTEM.
  - SPECIALTY STRUCTURAL ENGINEER (SSE) IS A LICENSED PROFESSIONAL/STRUCTURAL ENGINEER, NOT THE SER, WHO IS RESPONSIBLE FOR SEALING PLANS AND DESIGNS FOR PRE-ENGINEERED STRUCTURAL ELEMENTS WHICH ARE NECESSARY FOR THE STRUCTURE TO BE COMPLETED AND THE OWNER HAS DESIGNATED AS DESIGN DELEGATED ITEMS.
  - PRE-ENGINEERED STRUCTURAL ELEMENTS ARE STRUCTURAL ELEMENTS WHICH ARE SPECIFIED BY THE OWNER AS DESIGN DELEGATED ITEMS TO BE THE DESIGN RESPONSIBILITY OF A SPECIALTY STRUCTURAL ENGINEER (SSE)
  - SPECIAL INSPECTION IS INSPECTION PERFORMED BY A QUALIFIED PERSON, APPROVED BY THE BUILDING OFFICIAL, FOR THE TYPES OF WORK REQUIRING INSPECTION PER THE GOVERNING CODES AND CONTRACT DOCUMENTS.
  - DESIGNATED REPRESENTATIVE FOR CONSTRUCTION (DRC - I.E., CONSTRUCTION MANAGER OR GENERAL CONTRACTOR) IS RESPONSIBLE FOR THE OVERALL CONSTRUCTION OF THE PROJECT INCLUDING PROJECT SCHEDULING, JOB SITE SAFETY AND MEANS AND METHODS OF CONSTRUCTION.
  - SPECIAL INSPECTOR: A QUALIFIED PERSON EMPLOYED OR RETAINED BY AN APPROVED AGENCY AND APPROVED BY THE BUILDING OFFICIAL AS HAVING THE COMPETENCE NECESSARY TO INSPECT A PARTICULAR TYPE OF CONSTRUCTION REQUIRING SPECIAL INSPECTION.
- b THE DRC SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY OF ANY DISCREPANCIES TO AVOID THE POSSIBILITY OF UNNECESSARY FUTURE PROBLEMS AND POSSIBLE FIELD ORDERS. FAILURE TO DO SO WILL PUT THE FULL RESPONSIBILITY OF CORRECTION ON THE DRC.
- c THE DRC SHALL COORDINATE THE WORK OF ALL TRADES AND MAKE NECESSARY INVESTIGATIONS AND FIELD MEASUREMENTS.
- d DO NOT SCALE DRAWINGS.
- e THE SER HAS NO SUPERVISORY RESPONSIBILITY, HAS NO CONTROL OF OR RESPONSIBILITY FOR THE MEANS, METHODS, TECHNIQUES, PROCEDURES OR SEQUENCE OF CONSTRUCTION, HAS NO RESPONSIBILITY FOR THE FAILURE OF ANY CONTRACTOR TO PERFORM THE WORK IN ACCORDANCE WITH THE DESIGN DOCUMENTS AND NO RESPONSIBILITY TO DEVISE, IMPLEMENT OR ENFORCE ANY SAFETY PRECAUTIONS OR PROGRAMS FOR THE PROJECT

1.4 SLEEVES, ANCHORAGES, OPENINGS, ETC.
- a IN GENERAL, STRUCTURAL DRAWINGS DO NOT SHOW EQUIPMENT PADS, DRAINS, HOLES, ANCHORAGES, INSERTS AND SLEEVES FOR ITEMS PASSING THROUGH OR ATTACHED TO CONCRETE OR FRAMING. ADJUST EQUIPMENT PADS AND SUB FRAMING TO FIT EQUIPMENT FURNISHED.

1.5 STRUCTURAL STABILITY AND CONSTRUCTION
- a INDIVIDUAL STRUCTURAL COMPONENTS ARE DESIGNED TO SUPPORT LOADS IN THEIR FINAL ERECTED POSITION AS PART OF THE TOTAL COMPLETED STRUCTURE.
- b DRC TO PROVIDE TEMPORARY GUYING AND BRACING AS REQUIRED UNTIL ALL CONSTRUCTION AFFECTING LATERAL STABILITY IS COMPLETED.
- c DRC SHALL BE SOLELY RESPONSIBLE FOR STABILITY OF STRUCTURE, ITS PARTS BY USE OF GUYING, BRACING, SHORING, BARRICADES, SAFETY RAILINGS AND DEVICES DURING THE ENTIRE PERIOD OF CONSTRUCTION.
- d DRC SHALL BE SOLELY RESPONSIBLE FOR ALL JOB SITE SAFETY AND MEANS AND METHOD OF CONSTRUCTION.

1.6 SHOP DRAWINGS AND TEST REPORTS
- a DRC SHALL CHECK ALL SHOP DRAWINGS BEFORE SUBMITTAL TO SER FOR REVIEW.
- b DRC SHALL PREPARE A SHOP DRAWING SUBMITTAL SCHEDULE WITH A MINIMUM OF TWO WEEKS INCLUDED FOR THE SER'S REVIEW OF EACH SUBMITTAL LISTED BELOW.
- c REVIEW BY SER WILL BE FOR CONFORMANCE TO GENERAL LAYOUT AND DESIGN INTENT ONLY.
- d CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ACCURACY OF DIMENSIONS, FABRICATION, FIT UP OF PARTS AND BILLS OF MATERIALS.
- e CONTRACTOR SHALL COORDINATE WORK OF VARIOUS TRADES AND MAKE NECESSARY FIELD MEASUREMENTS.
- f THE CONTRACT SPECIFICATIONS PROVIDE A COMPLETE LISTING OF SUBMITTALS. THE FOLLOWING IS A SUMMARY OF THE REQUIRED SUBMITTALS:
  - CONCRETE
    - CONCRETE MIX DESIGNS WITH ASSOCIATED HISTORICAL TEST DATA
    - REINFORCING STEEL PLACEMENT DRAWINGS PER ACI 315
  - CONCRETE MASONRY
    - PRODUCT DATA SHEETS
    - REINFORCING STEEL PLACEMENT DRAWINGS
  - MISCELLANEOUS METALS (STAIRS/HANDRAIL/GUARD RAIL/LADDERS ETC.)
    - STRUCTURAL STEEL SHOP DRAWINGS
    - DESIGN CALCULATIONS SIGNED AND SEALED BY LICENSED SSE.
  - UNDERPINNING/SHORING
    - PROCEDURES AND/OR SHOP DRAWINGS
    - DESIGN CALCULATIONS SIGNED AND SEALED BY LICENSED SSE.

1.7 DEFERRED SUBMITTALS - OWNER SPECIFIED DESIGN DELEGATED COMPONENTS.
- a CERTAIN COMPONENTS OF THE COMPLETED CONSTRUCTION ARE DESIGN DELEGATED TO THE MANUFACTURER OF THE COMPONENT. THE MANUFACTURER'S SSE SHALL BE RESPONSIBLE FOR THE DESIGN OF THE COMPONENT. THE FOLLOWING ARE DESIGNATED TO BE DESIGN DELEGATED COMPONENTS ON THIS PROJECT:
  - MISCELLANEOUS METALS (STAIRS, GUARDRAIL, HANDRAIL, LADDERS, ETC.)
  - TEMPORARY SHORING AND BRACING
  - TEMPORARY EARTH RETENTION SYSTEMS
  - OTHER WORK AS LISTED ON DRAWINGS, SPECIFICATIONS AND CUSTOMARY INDUSTRY STANDARDS. WHERE DELEGATION OF DESIGN IS SPECIFIED,
- b THE MANUFACTURER SHALL BE RESPONSIBLE FOR RETAINING THE SERVICES OF A LICENSED SPECIALTY STRUCTURAL ENGINEER (SSE) IN THE STATE HAVING JURISDICTION. THE SSE SHALL DESIGN AND DETAIL COMPONENTS TO MEET GOVERNING BUILDING CODES, STANDARDS AND THE SPECIFIED PERFORMANCE CRITERIA. SIGNED AND SEALED CALCULATIONS SHALL BE SUBMITTED FOR RECORD. THE DESIGN DELEGATED SSE SHALL BE SOLELY RESPONSIBLE FOR THE DESIGN OF THE COMPONENT.
- c SSE SUBMITTALS WILL BE REVIEWED BY THE SER FOR LOADING CRITERIA AND GENERAL CONFORMANCE TO THE PRIMARY STRUCTURAL SYSTEM.

1.8 DEMOLITION.
- a THE ARCHITECTURAL/STRUCTURAL DEMOLITION DRAWINGS INDICATE THE GENERAL AREAS OF DEMOLITION. THE DRC SHALL VERIFY IN THE FIELD ALL ITEMS TO BE REMOVED TO MEET THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- b THE DRC SHALL CAREFULLY REMOVE ONLY THE EXISTING ITEMS IDENTIFIED ON THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.
- c IN NO CASE SHALL THE REMOVAL OF ANY PORTION OF THE EXISTING STRUCTURE BE PERFORMED IN SUCH A WAY AS TO AFFECT THE STRUCTURAL INTEGRITY OF THE REMAINING PORTION OF THE BUILDING.
- d THE CONTRACTOR SHALL NOTIFY THE SER IMMEDIATELY OF ANY STRUCTURAL ITEMS WHICH NEED TO BE DEMOLISHED BUT ARE NOT CLEARLY IDENTIFIED ON THE STRUCTURAL OR ARCHITECTURAL DRAWINGS.
- e THE CONTRACTOR SHALL MINIMIZE THE EXTENT OF THE DEMOLITION TO THE EXISTING STRUCTURE TO ONLY THAT REQUIRED TO INSTALL THE NEW BUILDING MODIFICATIONS.
- f THE CONTRACT SPECIFICATIONS PROVIDE A COMPLETE LISTING OF SUBMITTALS. THE FOLLOWING IS A SUMMARY OF THE REQUIRED SUBMITTALS:
  - CONCRETE
    - CONCRETE MIX DESIGNS WITH ASSOCIATED HISTORICAL TEST DATA
    - REINFORCING STEEL PLACEMENT DRAWINGS PER ACI 315
  - CONCRETE MASONRY
    - PRODUCT DATA SHEETS
    - REINFORCING STEEL PLACEMENT DRAWINGS
  - MISCELLANEOUS METALS (STAIRS/HANDRAIL/GUARD RAIL/LADDERS ETC.)
    - STRUCTURAL STEEL SHOP DRAWINGS
    - DESIGN CALCULATIONS SIGNED AND SEALED BY LICENSED SSE.
  - UNDERPINNING/SHORING
    - PROCEDURES AND/OR SHOP DRAWINGS
    - DESIGN CALCULATIONS SIGNED AND SEALED BY LICENSED SSE.

2 FOUNDATIONS

2.1 GENERAL
- a SUMMARY OF GEOTECHNICAL DESIGN VALUES:
  - SHALLOW STRIP AND SPREAD FOOTINGS
    - ALLOWABLE SOIL BEARING PRESSURE: 3,000 PSF
    - DEPTH OF FOOTING BELOW FINISHED GRADE: 42".
  - BASEMENT (RESTRAINED), RETAINING WALLS (UN-RESTRAINED) WALLS
    - BACKFILL: GRANULAR
    - DENSITY: 115 PCF
    - ACTIVE LATERAL PRESSURE (UN-RESTRAINED): 45 PSF/FT
    - AT REST LATERAL PRESSURE (RESTRAINED): 65 PSF/FT
    - SURCHARGE COEFFICIENT (UN-RESTRAINED): 0.3 X LOAD(PSF) - PSF
    - SURCHARGE COEFFICIENT (RESTRAINED): 0.5 X LOAD (PSF) - PSF
    - COEFFICIENT OF SLIDING RESISTANCE: 0.4
- b CONTRACTOR SHALL LOCATE ALL EXISTING BELOW GRADE UTILITIES AND INTERFERENCES PRIOR TO START OF WORK. NOTIFY THE SER OF ANY INTERFERENCE.
- c PROTECT ALL EXPOSED SURFACES.
- d MAINTAIN ALL EXCAVATIONS FREE OF WATER CONTINUOUSLY.
- e DRC SHALL BE RESPONSIBLE FOR ALL SHORING/BRACING OF EXCAVATIONS.
- f ALL SHALLOW FOUNDATIONS SHALL BE LOCATED SHALL BEAR AT SUFFICIENT DEPTH TO PROVIDE ADEQUATE FROST COVERAGE PER LOCAL REQUIREMENTS.
- g A GEOTECHNICAL TESTING SERVICE SHALL CONFIRM ALL SOIL BEARING CAPACITIES PRIOR TO PLACEMENT OF CONCRETE FOUNDATIONS.

3 CONCRETE CONSTRUCTION

3.1 CAST IN PLACE CONCRETE
- a GENERAL REQUIREMENTS.
  ALL WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301-10, SPECIFICATION FOR STRUCTURAL CONCRETE, EXCEPT AS MODIFIED BY THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
  SUBMITTALS:
  - CONCRETE MIXES WITH HISTORICAL TEST DATA.
  - MATERIAL CERTIFICATES: CEMENT, AGGREGATES, ADMIXTURES, REINFORCING STEEL
  - REINFORCING STEEL PLACEMENT DRAWINGS
- b PRODUCTS.
  REINFORCING BARS: ASTM A615 GRADE 60
  REINFORCING BARS WELDABLE: ASTM A706 GRADE 60
  PLAIN WIRE FABRIC: ASTM A185
  PORTLAND CEMENT: ASTM C150 TYPE I OR II, GREY.
  AGGREGATES: ASTM C33
  WATER: POTABLE ASTM C94
  ADMIXTURES:
  - AIR ENTRAINING ASTM C260
  - CHEMICAL ADMIXTURES ASTM C 494

  AIR CONTENT FOR CONCRETE EXPOSED TO WEATHER: 4 TO 7%.
  SLUMP: 4"
  CONCRETE STRENGTH: F'C 4,000 PSI AT 28 DAYS
  MIXING: PER ASTM C94
  CURING COMPOUNDS: ASTM C309 OR C1315
- c EXECUTION.
  CONCRETE COVER
  - CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH 3"
  - CONCRETE EXPOSED TO EARTH OR WEATHER 2"
  - CONCRETE NOT EXPOSED TO WEATHER 1-1/2"

  ALL FOOTINGS, WALL FOOTINGS, GRADE BEAMS AND PILE/CAISSON CAPS SHALL BE FORMED UNLESS NOTED.
  LAP SPLICE LENGTHS PER ACI 318 CHAPTERS 12 USING A CLASS B SPLICE.
  ALL WELDED WIRE FABRIC SHALL BE LAPPED ONE GRID MINIMUM.
  LOCATE JOINTS AS SHOWN ON PLANS; WHERE NOT SHOWN, CONTROL OR CONSTRUCTION JOINTS SHALL BE PLACED IN ACCORDANCE WITH ACI RECOMMENDATIONS I.E., A MAXIMUM PANEL SIZE (IN FEET) EQUAL TO APPROXIMATELY THREE TIMES THE THICKNESS OF THE SLAB (IN INCHES) IN BOTH DIRECTIONS.
  HOOK ENDS OF BARS INTERRUPTED BY OPENINGS.
  HOOK TOP BARS AT ALL CONCRETE EDGES.
  PROVIDE 2-#5 BARS X OPENING WIDTH PLUS 4 FEET (2 FEET EACHSIDE) EACH FACEAT ALL WALL AND SLAB OPENINGS, UNLESS SHOWN OTHERWISE.
  PLACEMENT OF CONCRETE IN COLD WEATHER SHALL COMPLY WITH ACI306.
  PLACEMENT OF CONCRETE IN HOT WEATHER SHALL COMPLY WITH ACI305.
  TOLERANCES SHALL MEET ACI 117, ACI 301 AND ACI 318 AS A MINIMUM.

4 MASONRY CONSTRUCTION

4.1 UNIT MASONRY
- a GENERAL
  MASONRY CONSTRUCTION AND MATERIALS, INCLUDING COMPOSITION, QUALITY, STORAGE, HANDLING, PREPARATION AND PLACEMENT OF MATERIALS, QUALITY ASSURANCE FOR MATERIALS AND MASONRY, AND CONSTRUCTION OF MASONRY SHALL COMPLY TO ALL REQUIREMENTS OF "SPECIFICATIONS FOR MASONRY STRUCTURES" (ACI 530.1/ASCE 6/TMS 602) EXCEPT AS MODIFIED BY THE FOLLOWING NOTES.
  REFER TO THE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
  FULL ALLOWABLE STRESSES WERE USED FOR THE ASD DESIGN OF THE MASONRY THEREFORE ALL MASONRY WORK SHALL BE INSPECTED AND QUALITY ASSURANCE MEASURES WILL BE IMPLEMENTED.
  DEFINITIONS (SEE ACI 530.1)
  REFERENCES (SEE ACI 530.1)
  COMPRESSIVE STRENGTH OF MASONRY F'M SHALL BE 1,500 PSI. (MINIMUM).
  SUBMITTALS:
  - MIX DESIGNS AND TEST RESULTS FOR MORTAR TO COMPLY WITH ASTM C270
  - MIX DESIGNS AND TEST RESULTS FOR GROUT TO COMPLY WITH ASTM C476

  MATERIAL CERTIFICATES:
  - QUALITY ASSURANCE

  TESTING AGENCY SHALL COMPLY WITH THE REQUIREMENTS OF ASTM C 1093.
- b MATERIALS.
  MORTAR: CONFORM TO ASTM C270 TYPE S PORTLAND CEMENT TYPE 1 OR 2, LOW ALKALI PER ASTM C150 NON AIR ENTRAINED OR HYDRATED LIME PER ASTM C207 TYPE S.
  GROUT: CONFORM TO ASTM C476 WITH A COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
  MASONRY UNITS NORMAL WEIGHT 2 CELLS PER ASTM C90 TYPE I OR TYPE II.
  REINFORCING STEEL PER ASTM A615
  JOINT REINFORCING PER ASTM A 951
  WELDED WIRE FABRIC PER ASTM A185
  ANCHOR BOLTS HEADED ASTM A307.
  STEEL LINTELS ASTM A36 (A992 WIDE FLANGE SHAPES). GALVANIZE ALL LINTELS IN EXTERIOR WALLS.
  ACCESSORIES (SEE ACI 530.1)
  MIXING (SEE ACI 530.1)
  FABRICATION
  ALL LINTELS AND STEEL CONSTRUCTION ADJACENT TO OR ABUTTING MASONRY SHALL BE PROVIDED WITH GALVANIZED MASONRY TIES AT 16" O.C. PROVIDE 5/8" DIAMETER X 4" STUDS @ 32" O.C. ON TOP OF ALL WIDE FLANGE AND CHANNEL LINTELS.
- c EXECUTION
  INSPECTION (SEE ACI 530.1)
  DO NOT WET CONCRETE MASONRY UNITS BEFORE PLACING REINFORCEMENT: PLACE REINFORCEMENT IN GROUT SPACES WITH REBAR POSITIONERS PRIOR TO PLACING GROUT.
  REINFORCEMENT SPLICES SHALL BE LAPPED 48 TIMES THE BAR DIAMETER BUT NOT LESS THAN18".
  MASONRY ERECTION
  CONSTRUCT MASONRY IN RUNNING BOND UNLESS NOTED.
  ALL MASONRY SHALL BE FULL BEDDED IN MORTAR (FACE AND WEBS).
  ALL MASONRY LOCATED BELOW GRADE SHALL BE GROUTED SOLID.
  PROVIDE CONTINUOUS GALVANIZED, HORIZONTAL MASONRY REINFORCING AT 16" ON CENTER (ALTERNATE CMU COURSES) MINIMUM.
  UNDER ALL BEAM AND JOIST BEARINGS, FILL UNITS 2 CMU COURSES DEEP X 32" WIDE MINIMUM
  PROVIDE A CONTINUOUS BOND BEAM UNDER ALL JOIST BEARINGS, AT ALL SILLS, AT TOPS OF ALL WALLS AND 8'-0" O.C. VERTICAL.
  CAST IN DOVETAIL ANCHOR SLOTS AT 16" O.C. HORIZONTALLY AT ALL CONCRETE WALLS ADJACENT TO OR ABUTTING MASONRY CONSTRUCTION.
  PROVIDE A MINIMUM OF 2 - #5 VERTICAL BARS FOR THE FULL HEIGHT OF MASONRY WALLS AT ENDS OF WALLS, EACH SIDE OF OPENINGS AND EACH SIDE OF CONTROL JOINTS UNLESS NOTED.
  PROVIDE VERTICAL CONTROL JOINTS AT A MINIMUM SPACING OF 1-1/2 TIMES THE HEIGHT OF THE WALL OR 20'-0" WHICHEVER IS LESS. REFER TO ARCHITECTURAL DRAWINGS.
  ALL OPENINGS IN MASONRY WALLS SHALL HAVE A LINTEL PER THE LINTEL SCHEDULE. LINTELS SHALL HAVE A MINIMUM BEARING OF 8" UNLESS NOTED.
  ALL NON-LOAD BEARING CMU WALLS SHALL BE CONSTRUCTED ON 10" THICK BY 24" WIDE.
  THICKENED SLABS, REINFORCE WITH 2-#5 CONTINUOUS BARS AND PROVIDE #5 DOWELS AT 24" ON CENTER FOR THE CMU REINFORCING UNLESS NOTED OTHERWISE.

STRUCTURAL STEEL CONSTRUCTION

5.1 MISCELLANEOUS METALS.
- a ALL MISCELLANEOUS METALS WORK (GRATING, STAIR TREADS, SAFETY PLATE, STAIR STRINGERS, LADDERS AND GUARDRAILS/HANDRAILS) ARE DESIGNATED AS DELEGATED DESIGN ITEMS TO BE DESIGNED BY THE DRC'S SSE.
- b MISCELLANEOUS METALS SHALL MEET THE DESIGN REQUIREMENTS OF THE BUILDING CODE NOTED ABOVE AND OSHA AND ASCE 7 SECTION 4.4.
- c GUARDRAIL/HANDRAIL SHALL BE DESIGNED TO MEET CODES LISTED ABOVE. POSTS AND RAILS SHALL BE A MINIMUM 1-1/2" DIAMETER STANDARD GALVANIZED PIPE (ASTM 453 GR B) WITH ALL WELDED JOINTS AND FIELDED BOLTED TO STRINGERS. POSTS SHALL BE SPACED NO GREATER THAN 4'-0" ON CENTER. SHOP FABRICATE IN AS LARGE OF SECTIONS AS POSSIBLE FOR EASE OF ERECTION. ALL EDGES SHALL BE ROUNDED AND WELDS GROUND SMOOTH.
- d GUARDRAIL AND HANDRAIL SHALL NOT BE USED AS LIFE LINE TIE OFFS.
- e SWING GATES AND CHAINS SHALL CONFORM TO ALL APPLICABLE CODES.

STRUCTURAL TESTS AND INSPECTIONS (IBC 2012)
- a AN INDEPENDENT APPROVED AGENCY SHALL PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION IN ACCORDANCE WITH CHAPTER 17 OF IBC 2012.
- b THE APPROVED AGENCY'S SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS.
- c THE APPROVED AGENCY SHALL KEEP RECORDS OF ALL SPECIAL INSPECTIONS AND TESTS AND SUBMIT REPORTS TO THE BUILDING OFFICIAL AND THE SER.
- d ALL DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE DRC FOR CORRECTION. IF UNCORRECTED, THE APPROVED AGENCY SHALL NOTIFY THE BUILDING OFFICIAL AND THE SER.
- e REFER TO IBC 2012 1704.5 FOR SUBMITTALS TO THE BUILDING OFFICIAL IN ADDITION TO THE REPORTS.
- f THE APPROVED AGENCY SHALL SUBMIT A FINAL REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS IN CONFORMANCE WITH THE APPROVED CONTRACT DOCUMENTS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THIS CODE.
- g JOB SITE VISITS BY THE SER DO NOT CONSTITUTE AN OFFICIAL SPECIAL INSPECTION.

STATEMENT OF SPECIAL INSPECTIONS:
- a REFER TO THE REFERENCED DOCUMENTS (IBC 2012 CHAPTER 17, AISC 360-10 CHAPTER N, ACI530-10 CHAPTER 3.) FOR ADDITIONAL DESCRIPTIONS OF REQUIREMENTS.
- b STRUCTURAL OBSERVATIONS FOR SEISMIC NOT REQUIRED.
- c STRUCTURAL OBSERVATIONS FOR WIND NOT REQUIRED.
- d THE FOLLOWING LIST OF MATERIALS AND WORK REQUIRE SPECIAL INSPECTIONS:
  (P) PERIODIC; (C) CONTINUOUS.

CONCRETE CONSTRUCTION (IBC 2012 TABLE 1705.3)
1. REINFORCEMENT PLACEMENT (P)
2. REINFORCING BAR WELDING (P)
3. ANCHORS CAST IN CONCRETE (P)
4. POST INSTALLED ANCHORS
   - a ADHESIVE (C)
   - b MECHANICAL (P)
5. VERIFY USE OF REQUIRED MIX (P)
6. STRENGTH, SLUMP, AIR, TEMPERATURE TEST OF CONCRETE PRIOR TO PLACEMENT (C)
7. CONCRETE PLACEMENT (C)
8. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES (P)
9. INSPECT ERECTION OF PRECAST MEMBERS INCLUDING CONNECTIONS (P)
10. INSPECT FORMWORK (P)

MASONRY CONSTRUCTION (ACI 530-08 LEVEL B QUALITY ASSURANCE TABLE 3.1.2)
1. VERIFY COMPLIANCE WITH APPROVED SUBMITTALS (P)
2. AS MASONRY CONSTRUCTION BEGINS, VERIFY COMPLIANCE OF THE FOLLOWING:
   - a PROPORTIONS OF SITE-PREPARED MORTAR (P)
   - b CONSTRUCTION OF MORTAR JOINTS (P)
   - c GRADE AND SIZE OF REBAR (P)
   - d LOCATION OF REINFORCEMENT AND CONNECTORS 9P)
3. PRIOR TO GROUTING, VERIFY COMPLIANCE OF FOLLOWING:
   - a GROUT SPACE
   - b GRADE, TYPE AND SIZE OF REINFORCEMENT AND ANCHOR BOLTS (P)
   - c PLACEMENT OF REINFORCEMENT AND CONNECTORS (P)
   - d PROPORTIONS OF SITE PREPARED GROUT
   - e CONSTRUCTION OF MORTAR JOINTS (P)
4. VERIFY DURING CONSTRUCTION:
   - a SIZE AND LOCATION OF STRUCTURAL ELEMENTS (P)
   - b TYPE, SIZE AND LOCATION OF ANCHORS INCLUDING OTHER DETAILS OF ANCHORAGE TO MASONRY (P)
   - c WELDING OF REINFORCEMENT (C).
   - d PREPARTION, CONSTRUCTION AND PROTECTION OF MASONRY DURING COLD/HOT WEATHER (P)
   - e PLACEMENT OF GROUT (C)
5. OBSERVE PREPARATION OF GROUT SPECIMENS, MORTAR SPECIMENS AND/OR PRISMS. (P)
6. MINIMUM TESTS
   - a VERIFY SLUMP FLOW AND VISUAL STABILITY INDEX.
   - b VERIFICATION OF f ' m PRIOR TO CONSTRUCTION

SOILS (IBC 2015 TABLE 1705.6)
1. VERIFY BEARING CAPACITY BELOW SHALLOW FOUNDATIONS (P)
2. VERIFY EXCAVATIONS EXTEND TO PROPER DEPTH AND REACHED PROPER MATERIAL (P).
3. PERFORM CLASSIFICATION AND TESTING OF COMPACTED MATERIAL (P)
4. VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF COMPACTED MATERIAL (C).
5. PRIOR TO PLACEMENT OF COMPACTED FILL, INSPECT SUBGRADE AND VERIFY THAT SITE HAS BEEN PROPERLY PREPARED (P)
6. VERIFY SOIL IMPROVEMENT HAS BEEN PERFORMED PROPERLY (P)

DEMOLITION PLAN KEYNOTES:

A-S1.0: REMOVE EXISTING RAMP SLAB IN ITS ENTIRITY.

B-S1.0: REMOVE EXISITNG BRICK WALLS AND ASSCIATED FOUNDATIONS AS INDICATED.

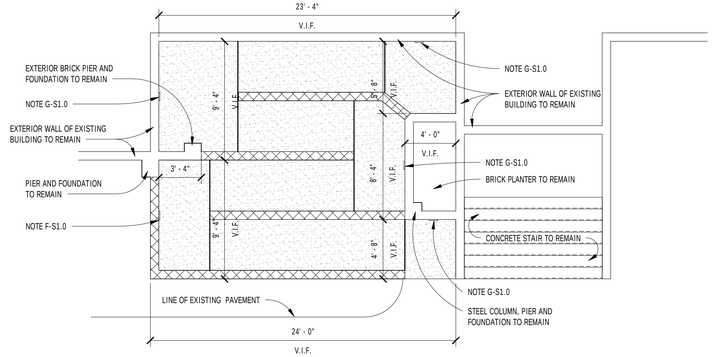
C-S1.0: REMOVE EXISTING HANDRAILS.

D-S1.0: VERIFY IN FIELD ALL DIMENSIONS OF EXISTING CONSTRUCTION.

E-S1.0: SALVAGE EXISTING BRICK AS REQUIRED FOR REPAIR OF EXISTING AREAS OF DAMAGE.

F-S1.0: EXISTING WALL MOUNTED LIGHT TO BE REMOVED. PROPERLY REMOVE WIRING BACK TO JUNCTIONAND CAP CONDUIT.

G-S1.0: EXISTING WALL MOUNTED LIGHT TO REMAIN.



1 DEMOLITION PLAN
3/16" = 1'-0"

10/19/18
KENT L. NOLAND 81-005364 LICENSED STRUCTURAL ENGINEER STATE OF ILLINOIS
License Exp. 11/30/18

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