

- GENERAL NOTES:**
- CONTRACTOR SHALL COORDINATE BETWEEN ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, AND OTHER DRAWINGS. ANY DISCREPANCIES OR CONFLICTS BETWEEN DRAWINGS OF DIFFERENT DISCIPLINES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. CONTRACTOR SHALL NOT PROCEED WITH SHOP DRAWING PREPARATION OR ANY CONSTRUCTION UNTIL THE ARCHITECT HAS GIVEN DIRECTION OF RESOLUTION OF THE DISCREPANCY OR CONFLICT.
 - CONSTRUCTION METHODS, PROCEDURES AND SEQUENCES ARE THE CONTRACTOR'S RESPONSIBILITY. THE CONTRACTOR SHALL TAKE ALL THE NECESSARY MEANS TO MAINTAIN AND PROTECT THE STRUCTURAL INTEGRITY OF ALL CONSTRUCTION, NEW AND EXISTING, AT ALL STAGES.
 - COORDINATE WITH THE ARCHITECTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS AND VERIFY THE LOCATIONS AND SIZES OF CHASES, INSERTS, OPENINGS, SLEEVES, FINISHES, DEPRESSIONS AND OTHER PROJECT REQUIREMENTS.
 - USE MANUFACTURER'S CERTIFIED DRAWINGS AND SPECIFICATIONS FOR EQUIPMENT ANCHORAGE AND DETAILS.
 - ALL CONSTRUCTION JOINTS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE INCORPORATED INTO THE STRUCTURE. ADDITIONAL CONSTRUCTION JOINTS TO FACILITATE CONSTRUCTION SHALL BE LOCATED AND DETAILED ON THE SHOP DRAWINGS FOR REVIEW.
 - CONSTRUCTION JOINTS IN CONCRETE BEAMS AND SLABS SHALL BE AT OR NEAR MIDSPAN. ALL CONSTRUCTION JOINTS TO BE KEVED.
 - HORIZONTAL CONSTRUCTION JOINTS SHALL NOT BE PERMITTED IN WALLS AND BEAMS, UNLESS SHOWN ON THE STRUCTURAL DRAWINGS.
 - ALL STRUCTURAL MEMBERS, AS SHOWN, HAVE BEEN DESIGNED TO CARRY IN PLACE DESIGN LOADS ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SUPPORT OF ANY ADDITIONAL LOADS AND FORCES IMPOSED DURING CONSTRUCTION, TRUCKING, ERECTING AND HANDLING.
 - ALL EXPOSED CONCRETE EDGES SHALL BE CHAMFERED. SEE ARCHITECTURAL DRAWINGS.
 - ALL THE CONTRACTOR'S PROPOSED SUBSTITUTIONS SHALL BE APPROVED BY ARCHITECT/ENGINEER PRIOR TO ANY PERTINENT WORK.

- SITE AND FOUNDATION:**
- EXCAVATE, WHERE REQUIRED, TO BUILDING AND STRUCTURE SUBGRADE.
 - PROOF-ROLL THE AREA UNDER THE BUILDING, PLUS 5'-0" ON ALL SIDES. A LOADED DUMP TRUCK TO LOCATE ANY SOFT AREAS. THE GEOTECHNICAL ENGINEER IS TO BE PRESENT DURING THIS OPERATION. ANY SOFT AREAS DETECTED ARE TO BE UNDERCUT AND REPLACED WITH ENGINEERED FILL.
 - ACCEPTABLE FILL MATERIAL SHALL BE FREE OF ORGANICS, AND HAVE A P.I. OF LESS THAN 30, L.L. OF LESS THAN 50 AND A MAXIMUM DRY DENSITY OF GREATER THAN 100 PCF. CRUSHED STONE BACKFILL TO MEET REQUIREMENTS OF A.H.D. No. 57 STONE.
 - FILL, WHERE REQUIRED, IS TO BE PLACED IN 8" LOOSE LIFTS AND COMPACTED TO 98% STANDARD PROCTOR (ASTM D-698), WITHIN ±2% OF OPTIMUM MOISTURE CONTENT.
 - FOOTINGS SHALL BEAR ON MATERIAL CAPABLE OF SUPPORTING A MINIMUM OF 2500 PSF. THE GEOTECHNICAL ENGINEER SHALL VERIFY ALL FOOTING EXCAVATIONS.

CONCRETE:

A. CONCRETE SCHEDULES

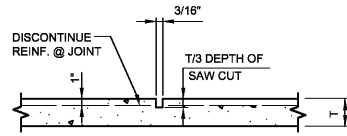
ITEM	28 DAY COMPRESSIVE STRENGTH
1. CONCRETE IN CMU CELLS	3000 PSI PEA GRAVEL
2. ALL OTHER CONCRETE	3000 PSI NORMAL WEIGHT

B. CONCRETE COVER OVER REINFORCING (U.N.O.)

- UNFORMED SURFACE IN CONTACT WITH EARTH: 3 IN.
- UNFORMED SURFACE OVER VAPOR BARRIER: 2 IN.
- FORMED SURFACES EXPOSED TO EARTH OR WEATHER:
 - #6 AND LARGER: 2 IN.
 - #5 AND SMALLER: 1 1/2 IN.
- FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:
 - WALLS, SLABS: 3/4 IN.
 - COLUMNS, BEAMS: 1 1/2 IN. TO TIES

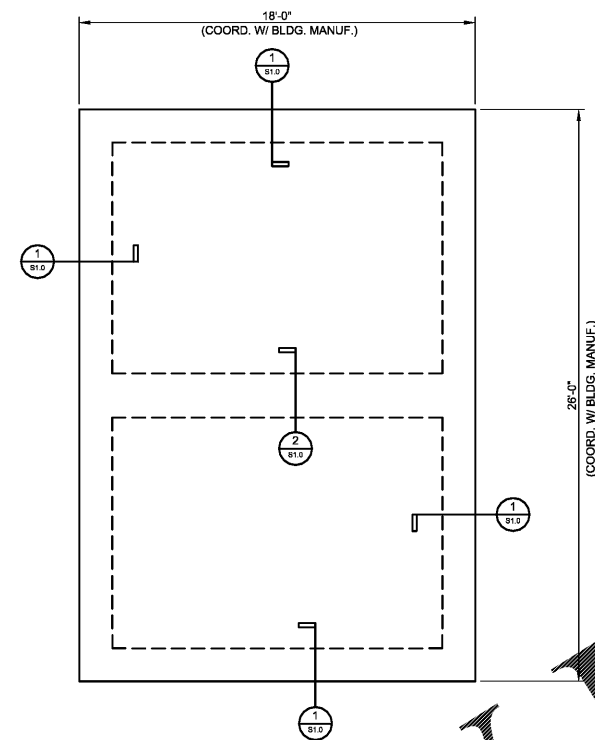
- REINFORCING:**
- ALL REINFORCING SHALL CONFORM TO THE LATEST REVISION OF A.S.T.M. SPECIFICATION A615, GRADE 60.
 - ALL REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH A.C.I. STANDARD 315, OF LATEST REVISION.
 - SPLICES FOR REINFORCING ARE SHOWN SPECIFICALLY ON STRUCTURAL DRAWINGS. WHERE SPLICES ARE NECESSARY OTHER THAN SPECIFICALLY SHOWN, PROVIDE CLASS "B" TENSION LAP SPLICES. REVIEW WITH STRUCTURAL ENGINEER AS NECESSARY.
 - NO REINFORCING BAR SHALL BE WELDED IN ANY MANNER, UNLESS SPECIFICALLY SHOWN OR NOTED ON THE DRAWINGS.
 - PROVIDE FULL EMBEDMENT FOR ALL DOWELS. IF NOT OTHERWISE SPECIFIED, DOWEL SIZE AND SPACING SHALL BE THE SAME AS MAIN REINFORCING.
 - WHERE SPLICES ARE NECESSARY, REINFORCING SHALL BE LAPPED 30 DIAMETERS, BUT NOT LESS THAN 1'-0".
 - WALL VERTICAL REINFORCING SHALL BE LAPPED WITH A CLASS "B" SPLICE AND WALL HORIZONTAL REINFORCING SHALL BE LAPPED 30 DIAMETERS AT SPLICE POINTS. PROVIDE CORNER BARS FOR WALLS.
 - ALL WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. WELDED WIRE FABRIC SHALL BE LAPPED A MINIMUM OF 1'-0" AND SHALL BE FURNISHED IN SHEETS ONLY (NO ROLLS).

- PRE-ENGINEERED METAL BUILDING:**
- THE PRE-ENGINEERED METAL BUILDING MANUFACTURER IS RESPONSIBLE FOR THE STRUCTURAL DESIGN OF THE PRE-ENGINEERED METAL BUILDING. ALL DESIGN DRAWINGS FOR THE PRE-ENGINEERED METAL BUILDING SHALL BE SIGNED AND SEALED BY A REGISTERED PROFESSIONAL ENGINEER, REGISTERED IN THE STATE OF ALABAMA.
 - THE PRE-ENGINEERED METAL BUILDING AND COMPONENTS SHALL BE DESIGNED IN ACCORDANCE WITH THE GRAVITY AND LATERAL DESIGN LOAD REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE. IN ADDITION, THE FOLLOWING DESIGN REQUIREMENTS SHALL ALSO APPLY:
 - DESIGN METAL BUILDING FRAME FOR 20 PSF LIVE LOAD (WITHOUT REDUCTION) AND 8 PSF COLLATERAL LOAD.
 - LIMIT LATERAL DEFLECTION OF METAL BUILDING FRAME TO L/240.
 - DESIGN FOR ALL ARCHITECTURAL DEAD LOADS. COORDINATE WITH ARCHITECTURAL DRAWINGS TO ESTIMATE THESE LOADS.
 - DESIGN FOR ANY MECHANICAL UNITS OR FANS. COORDINATE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
 - THE FOUNDATIONS AND DETAILS SHOWN ON THESE DRAWINGS ARE BASED UPON PRELIMINARY LOADING AND ARE SHOWN FOR BID PURPOSES ONLY. WHEN THE PRE-ENGINEERED METAL BUILDING MANUFACTURER HAS BEEN SELECTED, AND THE FINAL DESIGN FOR THE METAL BUILDING IS COMPLETED, THE PRE-ENGINEERED METAL BUILDING ENGINEER SHALL FURNISH FINAL BUILDING REACTIONS AND NECESSARY DETAILS TO FOUNDATION ENGINEER FOR REVIEW AND MODIFICATION OF THE FOUNDATION DESIGN, IF REQUIRED.
 - THE PRE-ENGINEERED METAL BUILDING MANUFACTURER SHALL DESIGN AND FURNISH ALL ANCHOR BOLTS FOR THE METAL BUILDING COLUMNS. COORDINATE WITH THE STRUCTURAL DRAWINGS FOR CONCRETE STRENGTHS AND EMBEDMENT RESTRICTIONS.



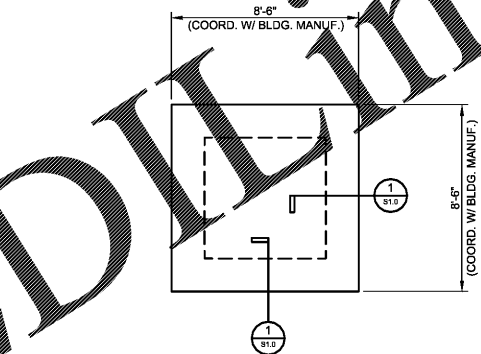
TYPICAL SAWED CONTROL JOINT

- NOTES:**
- USE SAWS, BLADES AND SKID PLATES BY SOFF-CUT INTERNATIONAL OR EQUAL.
 - SEE PLAN FOR JOINT LAYOUT.
 - START CUTTING SAWED JOINTS AS SOON AS CONCRETE HAS HARDENED SUFFICIENTLY TO PREVENT RAVELING OR DISLODGING OF AGGREGATES. THIS WILL TYPICALLY BE FROM 1 HOUR IN HOT WEATHER TO 4 HOURS IN COLD WEATHER AFTER COMPLETING FINISHING OF SLAB IN THAT JOINT LOCATION. EXTEND SAWED JOINT TO THE SLAB BOUNDARIES AND ABUTMENTS, INCLUDING COLUMNS, DRAINS AND OTHER PENETRATIONS IN THE PATH OF A DEFINED JOINT. IMPLEMENT METHODS AND TIMING OF THE SAW CUT BEYOND THE LIMITS OF THE SOFF-CUT SAW REACH TO PROVIDE A CONSISTENT DEPTH OF CUT WITH MINIMAL RAVELING OF JOINT EDGES.



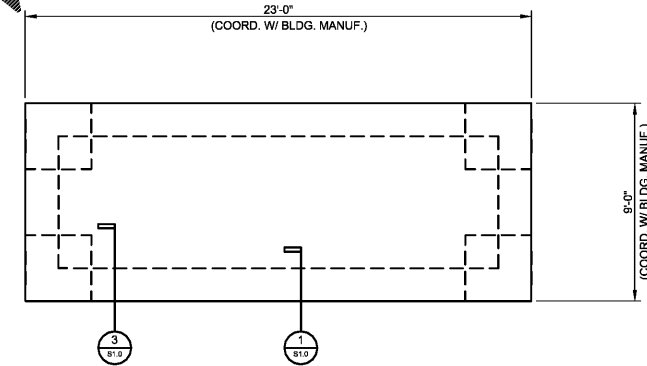
CONCESSIONS FOUNDATION & FLOOR PLAN
1/4" = 1'-0"

FLOOR CONSTRUCTION:
5" CONC. SLAB ON DRAINAGE FILL
REINF. W/ #4@12" OCEW.



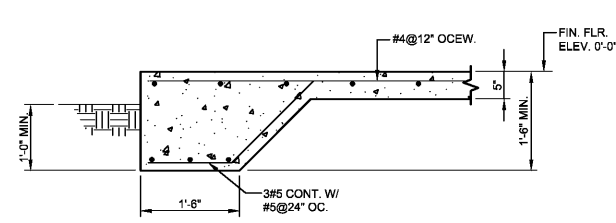
GUARDHOUSE FOUNDATION & FLOOR PLAN
1/4" = 1'-0"

FLOOR CONSTRUCTION:
5" CONC. SLAB ON DRAINAGE FILL
REINF. W/ #4@12" OCEW.

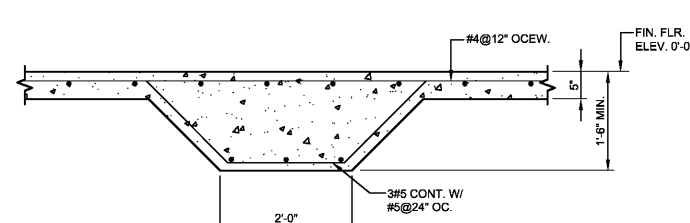


CHEMICAL STORAGE BUILDING FOUNDATION & FLOOR PLAN
1/4" = 1'-0"

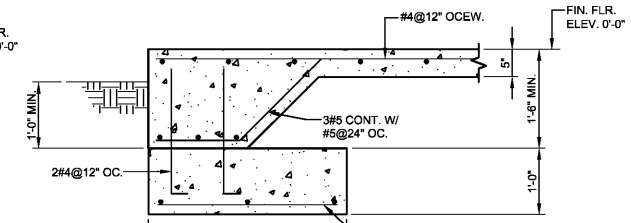
FLOOR CONSTRUCTION:
5" CONC. SLAB ON DRAINAGE FILL
REINF. W/ #4@12" OCEW.



SECTION 1
3/4" = 1'-0"



SECTION 2
3/4" = 1'-0"



SECTION 3
3/4" = 1'-0"

PROJECT TITLE
**CITY OF BIRMINGHAM
PARKS & RECREATION
PRE-FABRICATED
BUILDINGS PACKAGE**

STAMP



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NOLANDA HATCHER & CREIG HOSKINS

REVISIONS

Revision	Date	Description

SHEET TITLE
**GENERAL NOTES,
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& SECTION
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S1.0

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201626

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