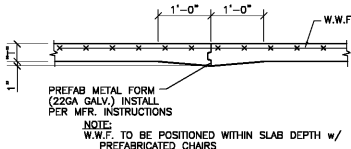


1 SAWED CONTROL JOINT
SCALE: NONE
SLAB ON GRADE

CONTROL JOINT NOTES:

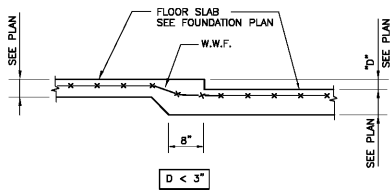
1. PROVIDE CONTROL/CONSTRUCTION JOINTS AT BETWEEN THE COLUMN LINES SUCH THAT THE JOINT SPACING DOES NOT EXCEED 15 FEET IN EACH DIRECTION UNLESS NOTED OTHERWISE ON PLANS
2. MAKE SAW CUT AS SOON AS SLAB IS ABLE TO SUPPORT WEIGHT OF WORKERS AND SAWING EQUIPMENT WITHOUT DAMAGE TO FINISH SURFACE OF SLAB. SAW CUTS MUST BE DONE ON THE SAME DAY THE SLAB IS POURED



2 TYP. CONSTRUCTION JOINT
SCALE: NONE
SLAB ON GRADE

CONSTRUCTION JOINTS NOTES:

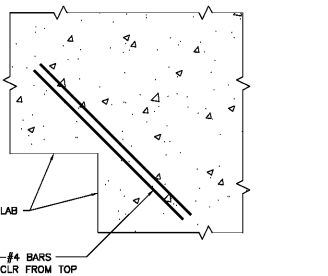
1. SEE PLAN FOR SLAB THICKNESS (T) AND REINFORCEMENT
2. SLAB REINFORCEMENT SHALL BE CHAINED BY SOIL-SUPPORTED SLAB BOLSTERS
3. DO NOT USE KEY JOINT FOR SCREEDING BREAK BOND BETWEEN NEW AND PREVIOUSLY PLACED SLAB BY SPRAYING OR PAINTING EXPOSED SIDE OF KEY AND DOWEL WITH A CURING COMPOUND, ASPHALTIC EMULSION, OR FORM OIL.
4. REFER TO SPECIFICATIONS AND DRAWINGS FOR SUB FLOOR DRAINAGE SYSTEM, SUBGRADE PREPARATION AND/OR MUD SLAB ON VAPOR BARRIER REQUIREMENTS
5. SUBGRADE SHALL BE FREE OF STANDING WATER AT THE TIME OF CONCRETE PLACEMENT
6. CONTROL JOINTS SHALL BE PLACED AT ALL CORNERS WHERE SLAB EDGES CHANGE DIRECTION AND ON 4 SIDES OF COLUMN LOCATIONS AS SHOWN ABOVE. INTERMEDIATE JOINTS SHALL BE PLACED SO THAT THE AREA DOES NOT EXCEED 225 SQ. FT. AND RATIO OF SIDES SHALL NOT EXCEED 1.5:1. SEE GENERAL NOTES FOR ADDITIONAL REQUIREMENTS.



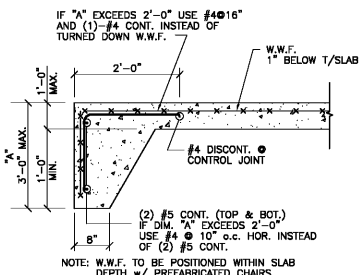
3 TYP. DEPRESSED SLAB ON GRADE
SCALE: NONE

NOTE:

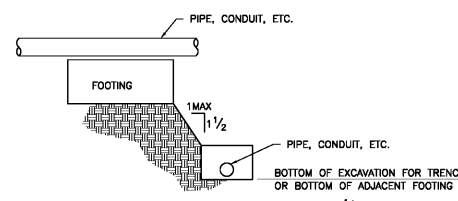
1. W.W.F. TO BE POSITIONED WITHIN SLAB DEPTH w/ PREFABRICATED CHAIRS
2. COORDINATE DEPTHS AND LOCATIONS OF ALL FLOOR DEPRESSIONS WITH ARCHITECTURAL DRAWINGS
3. PROVIDE (1)-#4 4"-0" TOP @ INTERIOR CORNERS OF ALL DEPRESSIONS



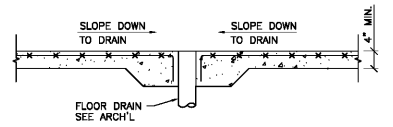
4 SLAB RE-ENTRANT CORNER
SCALE: 3/4" = 1'-0"



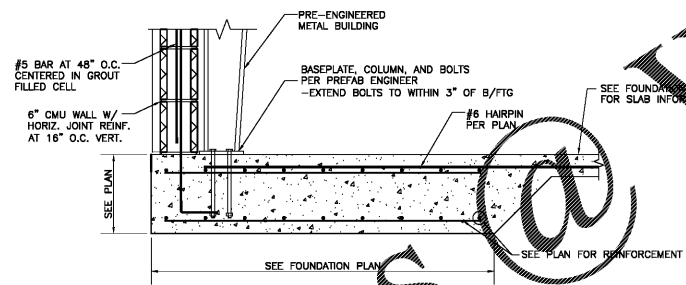
5 TYP. TURNED DOWN SLAB
SCALE: NONE



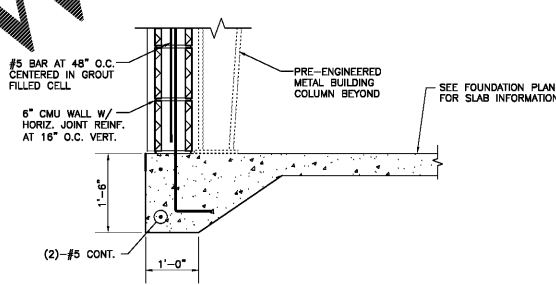
6 TYPICAL FOUNDATION INFLUENCE DETAIL
SCALE: NONE



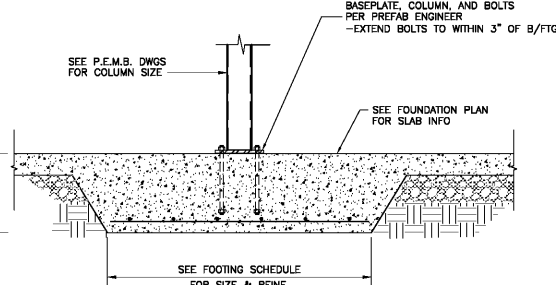
7 TYP. SLAB @ FLOOR DRAIN DETAIL
SCALE: NONE



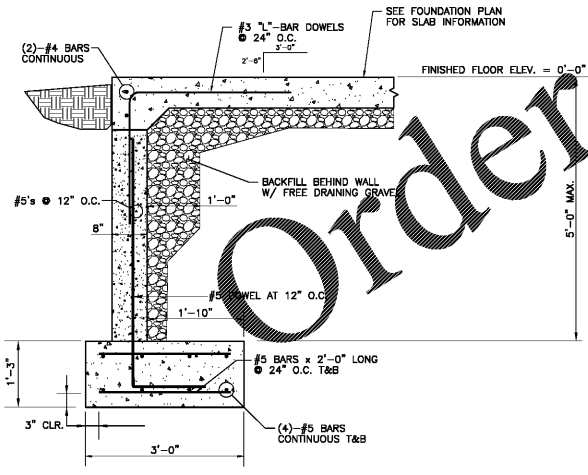
8 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



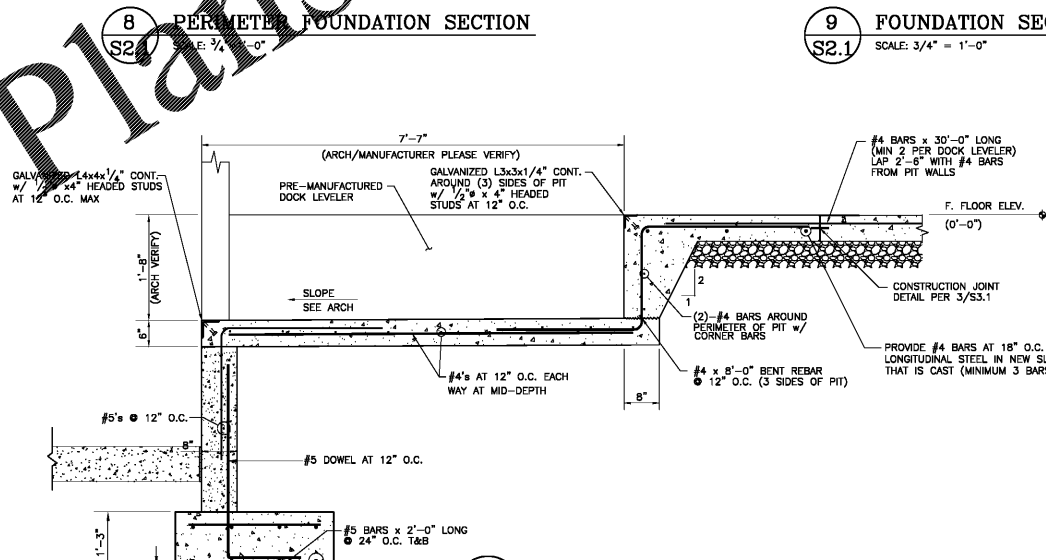
9 FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



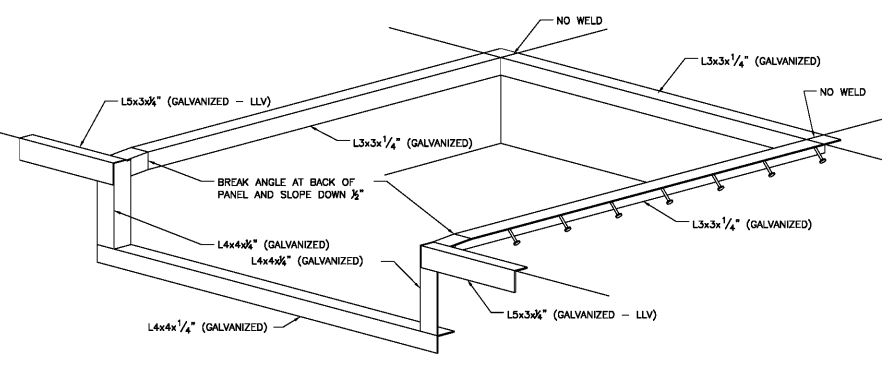
10 TYPICAL SECTION AT COLUMN
SCALE: 3/4" = 1'-0"



11 PERIMETER FOUNDATION SECTION
SCALE: 3/4" = 1'-0"



12 SECTION AT DOCK LEVELER PIT
SCALE: 3/4" = 1'-0"



13 DOCK ISOMETRIC
SCALE: 3/4" = 1'-0"

DESIGN:
BUILDING CODE: 2018 INTERNATIONAL BUILDING CODE WITH GEORGIA STATE AMENDMENTS.
GROUND SNOW LOAD: P_s = 5 PSF

WIND: ULTIMATE WIND SPEED (3-SECOND GUST) = 108 M.P.H.
NORMAL WIND SPEED (3-SECOND GUST) = 82 M.P.H.
WIND EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT = +/- 0.18
COMPONENT & CLADDING PRESSURE = 24.8 PSF

SEISMIC: SEISMIC OCCUPANCY CATEGORY = II
I_e = 1.0
S_{DS} = 0.178
S_{DI} = 0.129
S₁ = 0.169
S₁ = 0.08
SITE CLASS = D
SEISMIC DESIGN CATEGORY = B

SEISMIC RESISTING SYSTEM:
STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE, EXCLUDING CONTIGUOUS COLUMN SYSTEMS

MISCELLANEOUS:

1. THESE GENERAL NOTES SUPPLEMENT THE PROJECT SPECIFICATIONS. REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
2. STRUCTURAL DRAWINGS SHALL BE COORDINATED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING PERTINENT ASPECTS OF ALL DISCIPLINES INTO THEIR SHOP DRAWINGS AND WORK, AND SHALL NOTIFY ARCHITECT OF ANY DISCREPANCIES OR OMISSIONS.
3. WHERE A SECTION/DETAIL IS CUT ON THE PLAN, IT IS UNDERSTOOD TO BE REPRESENTATIVE OF ALL LIKE OR SIMILAR CONDITIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.
4. THE CONTRACTOR SHALL VERIFY ALL FLOOR AND ROOF MOUNTED MECHANICAL EQUIPMENT HEIGHTS, FLOOR AND/OR ROOF DRIVING SIZES AND LOCATIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS.
5. SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPE, AND LOCATION OF DEPRESSED FLOOR AREAS. THE CONTRACTOR SHALL COMPARE STRUCTURAL SECTIONS WITH THE ARCHITECTURAL SECTIONS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATING OR INSTALLING STRUCTURAL MEMBERS.
6. GROUT STRENGTH TO COMPLY WITH ASTM C 478 AND ACI 308/ACI 308.2. MINIMUM GROUT STRENGTH = 7% OF MASONRY FOR SPECIFICATIONS BUT NOT LESS THAN 2000 PSF.

SUBMITTALS:

1. REVIEW OF SUBMITTALS AND/OR SHOP DRAWINGS BY THE STRUCTURAL ENGINEER OF RECORD DOES NOT RELIEVE THE CONTRACTOR OF THE STRUCTURAL ENGINEER OF RECORD'S RESPONSIBILITY TO REVIEW AND CHECK SHOP DRAWINGS BEFORE SUBMITTAL TO THE STRUCTURAL ENGINEER OF RECORD. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ANY ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS AND DIMENSIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL DIMENSIONS AND PROCEDURES OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL DIMENSIONS AND PROCEDURES OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL DIMENSIONS AND PROCEDURES OF CONSTRUCTION.
2. THE USE OF REPRODUCTIONS OF THESE CONTRACT DOCUMENTS BY ANY CONTRACTOR, SUBCONTRACTOR, FABRICATOR, MATERIAL SUPPLIER OR OTHER PARTY WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT IS PROHIBITED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL DIMENSIONS AND PROCEDURES OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ACCURACY OF ALL DIMENSIONS AND PROCEDURES OF CONSTRUCTION.

CONCRETE:

MINIMUM CONCRETE COVER UNLESS NOTED OTHERWISE:
#11 REINFORCEMENT IN CONTACT WITH THE GROUND: 3 INCHES
BASEMENT WALLS: 2 INCHES EXTERIOR
3/4 INCHES INTERIOR

FORMED SURFACES EXPOSED TO EARTH OR WEATHER:
#6 BARS AND LARGER: 2 INCHES
#6 BARS AND SMALLER: 1-1/2 INCHES

FORMED SURFACES NOT EXPOSED TO EARTH OR WEATHER:
BEAMS, GIRDERS AND COLUMNS: 1-1/2 INCHES
SLABS, WALLS, AND JOISTS: 3/4 INCHES

WHERE DOWELS, BOLTS OR INSERTS ARE CALLED TO BE ANCHORED TO CAST IN PLACE OR PRECAST CONCRETE ELEMENTS USING EPOXY ADHESIVES, USE ANCHORAGE SYSTEM EQUAL TO THAT FOR DEVELOPING (DIF-200), FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS. ALTERNATE ANCHORAGE SYSTEMS MAY BE USED WITH ENGINEER'S PRIOR APPROVAL.

FOUNDATIONS:

1. SPREAD FOOTINGS SHALL BEAR ON SOIL CAPABLE OF SUSTAINING A NET ALLOWABLE BEARING CAPACITY OF 2.0 KSF FOR INDIVIDUAL COLUMN FOOTINGS AND 2.0 KSF FOR CONTINUOUS WALL FOOTINGS UNDER FULL SERVICE LIVE AND DEAD LOADS.
2. THE FOOTINGS HAVE BEEN POSITIONED AT THE ESTIMATED ELEVATION WHICH WILL PROVIDE SUFFICIENT BEARING. HOWEVER, IF ACCURATE BEARING CAPACITY IS NON-EXISTENT AT THESE ESTIMATED ELEVATIONS, THE FOOTING SHALL BE LOWERED TO AN ELEVATION WHERE THE PRESCRIBED SAFE BEARING CAPACITY EXISTS.
3. FOOTINGS MAY BE CAST INTO AN EXISTING TRENCH IF SOIL CONDITIONS PERMIT.
4. EXCAVATION FOR FOOTING SHALL BE CUT TO ACCURATE SIZE AND DIMENSIONS AS SHOWN ON PLANS. ALL SOIL BELOW SLABS AND FOOTINGS SHALL BE PROPERLY COMPACTED AND SUBGRADE BROUGHT TO A REASONABLE TRUE AND LEVEL PLANE BEFORE PLACING CONCRETE.
5. FOOTING CONCRETE SHALL BE CAST ON THE SAME DAY THE EXCAVATION IS APPROVED. IF THE BEARING SURFACE IS ALLOWED TO BECOME DISTURBED IN ANY WAY, IT SHALL BE REWORKED TO THE SATISFACTION OF THE TESTING ENGINEER PRIOR TO CASTING OF THE CONCRETE.
6. ALL BEARING MATERIAL SHALL BE INSPECTED BY THE INDEPENDENT TESTING AGENCY PRIOR TO CONCRETE PLACEMENT. THE INDEPENDENT TESTING AGENCY SHALL BE THE SOLE JUDGE AS TO THE SUFFICIENCY OF THE BEARING MATERIAL. FOOTING ELEVATIONS SHALL BE ADJUSTED AS REQUIRED.
7. BOTTOM OF EXTERIOR FOOTINGS SHALL BEAR A MINIMUM OF 1'-0" BELOW FINAL GRADE FOR FROST PROTECTION.
8. FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL REPORT NO. 18-20 AS PREPARED BY CONSTRUCTION MATERIALS TESTING AGENCY, INC. JOB NO. 20-1058.
9. NO EXCAVATION SHALL BE CLOSER THAN A SLOPE OF 1:2 HORIZONTAL TO 1 VERTICAL TO A FOOTING FOR EXCAVATION DEPTHS LESS THAN 10 FEET. BACK FILL SHALL BE PLACED AGAINST EXTERIOR WALLS WITH SLAB ON GROUND CONSTRUCTED AT 2:2:1 OR FLATTER. PROVIDE NECESSARY SHIELDING AND PROTECTION FOR EXCAVATION BANKS AS NECESSARY TO PREVENT SAFETY INCIDENTS DURING CONSTRUCTION.
10. ALL BEARING STRADA SHALL BE ACCESSIBLY DRAINED BEFORE FOUNDATION CONCRETE IS PLACED.
11. BACKFILL AGAINST WALLS SHALL BE PLACED IN 6" LIFTS AND SHALL BE DEPOSITED EVENLY AGAINST EACH SIDE OF WALL UNTIL THE LOWER FINAL GRADE IS REACHED. BACKFILL SHALL NOT BE PLACED AGAINST WALLS DEPENDENT UPON TOP AND BOTTOM WALLS UNLESS SPECIFICALLY NOTED ON PLANS. WALLS SHALL BE PROTECTED FROM EXCESSIVE SHORING AND BRACING DURING BACKFILLING.
12. COLUMN FOOTINGS AND WALL FOOTINGS SHALL BE POURED MONOLITHIC WITH TOPS OF ADJACENT FOOTINGS AT THE SAME ELEVATION.

THESE SHALL BE NO HORIZONTAL OR VERTICAL CONSTRUCTION JOINTS IN ANY FOUNDATION MEMBER WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER.

REVISIONS		
NO.	DATE	DESCRIPTION

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PROJECT:
HENRY COUNTY SCHOOLS - DISTRIBUTION CENTER

CLIENT:
HENRY COUNTY BOARD OF EDUCATION

SHEET TITLE:
FOUNDATION NOTES & DETAILS

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PROJECT NUMBER: 201827
DATE: 08.13.20
SCALE: AS NOTED
DRAWN BY: DSG
CHECKED BY: RWG
SHEET NO.: **S2.1**