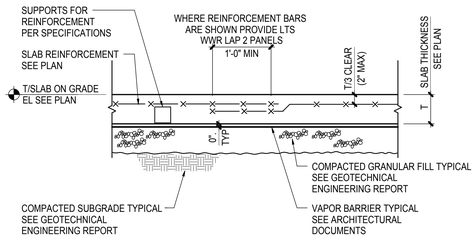
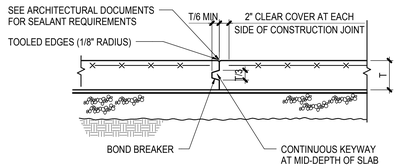
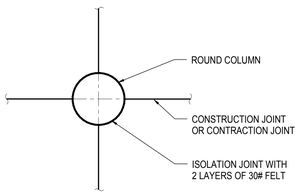


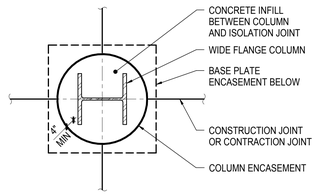
SLAB ON GRADE



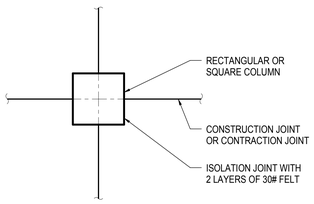
CONSTRUCTION JOINT



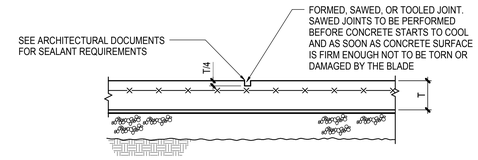
ROUND COLUMN



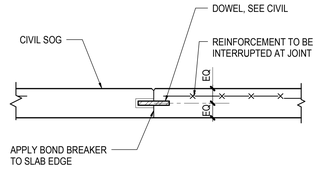
CONCRETE ENCASED COLUMN AND BASE PLATE WHERE INDICATED ON PLAN



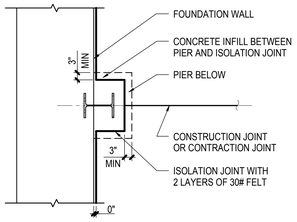
RECTANGULAR COLUMN NO FLOOR FINISH



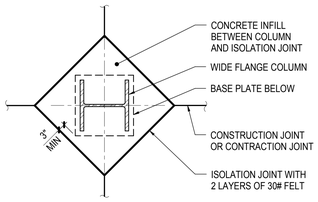
CONTRACTION JOINT



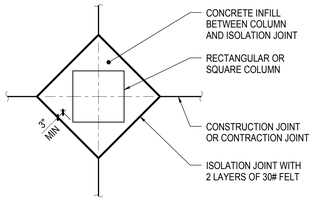
DOWELED SOG INTERFACE (WHERE INDICATED BY CIVIL)



PILASTER



TYPICAL BASE PLATE WITHIN CONCRETE INFILL UON



RECTANGULAR COLUMN WITH FLOOR FINISH

NOTE:

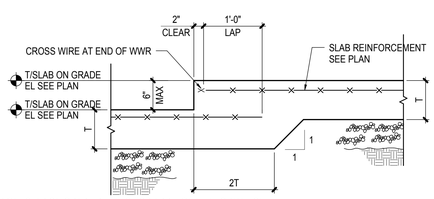
1. REFER TO ARCHITECTURAL FINISH DRAWINGS FOR JOINT PATTERNS/LOCATIONS IN AREAS WITH EXPOSED CONCRETE FLOOR.
2. WHERE NOT INDICATED ON DRAWINGS PROVIDE JOINTS AT COLUMN CENTERLINES AND BETWEEN COLUMN CENTERLINES WITH SPACING OF JOINTS NOT TO EXCEED 36 TIMES THE SLAB THICKNESS (T-INCHES).

1 TYPICAL SLAB ON GRADE DETAILS
NOT TO SCALE

NOTES:

1. SEE TYPICAL SLAB ON GRADE DETAILS FOR JOINT SPACING REQUIREMENTS.
2. CONCRETE INFILL BETWEEN COLUMN AND ISOLATION JOINT TO BE POURED AFTER ALL THE SLABS SUPPORTED BY THE COLUMN HAVE BEEN POURED.

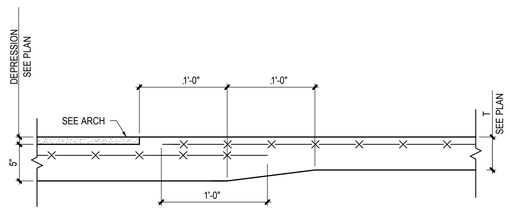
2 TYPICAL ISOLATION JOINT DETAILS AT SLAB ON GRADE
NOT TO SCALE



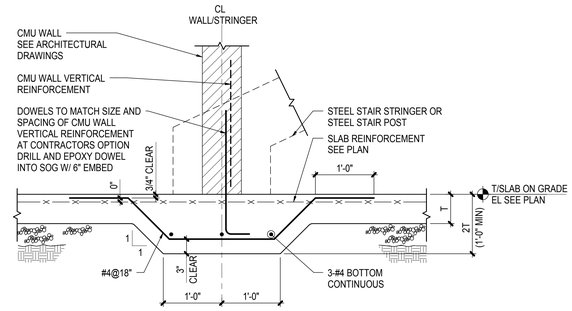
NOTE:

1. SEE TYPICAL SLAB ON GRADE DETAILS FOR ADDITIONAL INFORMATION.

3 TYPICAL SLAB ON GRADE STEP 6" MAXIMUM
NOT TO SCALE



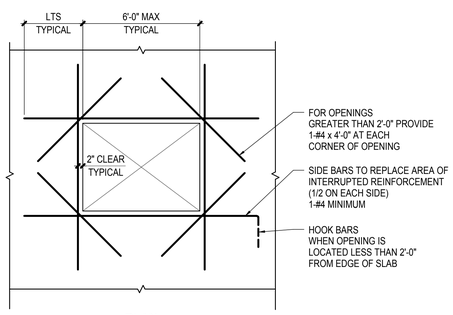
4 SLAB ON GRADE TRANSITION AT SLAB DEPRESSION (SLAB THICKNESS CHANGE, SIM)
1 1/2" = 1'-0"



NOTES:

1. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS OF WALLS AND STAIRS.
2. SEE TYPICAL SLAB ON GRADE DETAILS FOR MORE INFORMATION.

5 TYPICAL THICKENED SLAB ON GRADE AT NON-BEARING CMU WALL STAIR STRINGER OR STEEL STAIR POST
NOT TO SCALE

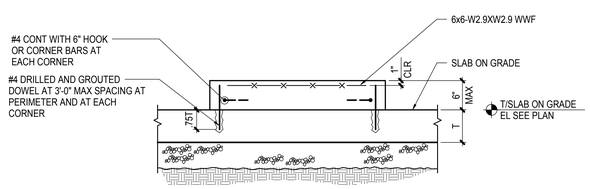


PLAN

NOTES:

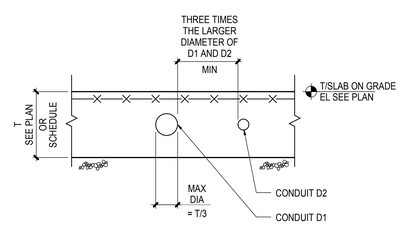
1. FOR SIZE OF OPENINGS SEE ARCHITECTURAL DRAWINGS.
2. ADDITIONAL REINFORCEMENT IS NOT REQUIRED AT OPENINGS THAT DO NOT INTERRUPT THE TYPICAL REINFORCEMENT

6 TYPICAL SLAB ON GRADE DETAIL OF ADDITIONAL REINFORCEMENT AT ANY OPENINGS OR AT STEP GREATER THAN 6" UP TO 3'-0"
NOT TO SCALE



NOTE:
COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL AND/OR MECHANICAL DRAWINGS

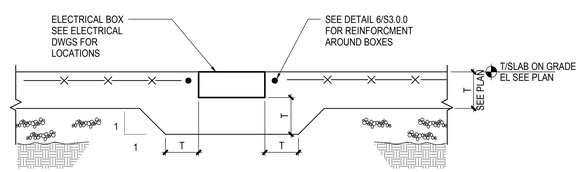
7 TYPICAL HOUSEKEEPING PAD AT SLAB ON GRADE
1" = 1'-0"



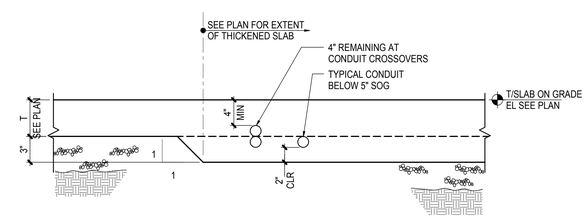
NOTES:

1. PLACE CONDUITS BELOW WWR AND AT MID-DEPTH OF SLAB ON GRADE.
2. CROSSOVER OF CONDUITS AND/OR PIPES IS NOT PERMITTED WITHOUT PRIOR WRITTEN APPROVAL BY SER. IF CROSSOVER REQUIRED, SLAB MAY REQUIRE THICKENING (SEE 8/S3.0.0 SIM).
3. USE OF ALUMINUM CONDUITS IS NOT PERMITTED
4. ANY DEVIATIONS FROM THE ABOVE STATED CONDITIONS REQUIRE WRITTEN APPROVAL BY THE SER

9 TYPICAL CONDUITS IN SLAB ON GRADE
1 1/2" = 1'-0"



8 THICKENED SLAB ON GRADE AT ELECTRICAL BOX
1 1/2" = 1'-0"



10 THICKENED SLAB ON GRADE AT CONFERENCE ROOM CONDUIT
1 1/2" = 1'-0"

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SEALS AND SIGNATURES

PROJECT NORTH

REV. NO.	DESCRIPTION	BY	APVD	DATE
	ISSUED FOR CONSTRUCTION			07/03/12

Argonne NATIONAL LABORATORY

FMS
Facilities Management Services

PROJECT TITLE: ADVANCED PROTEIN CRYSTALLIZATION FACILITY, ARGONNE NATIONAL LABORATORY

PROJECT NO: C10539.00

DRAWING TITLE: TYPICAL SLAB ON GRADE DETAILS

DESIGNED: Designer	A/E CADD FILE: S3.0.0	FACILITY NO(S)
DRAWN: Author	A/E DWG. NO.: S3.0.0	
CHECKED: Checker	CAD NO:	
PROJECT MANAGER: ANL - JESSE ADAMS, DATE - 08/31/11	DWG STATE	
	BIND ORDER	
FACILITY DOCUMENT NUMBER: J446-101-W-		REV. NO.: S3.0.0

Plot Date: 6/27/2012 5:18:02 PM