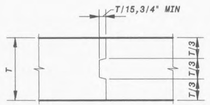
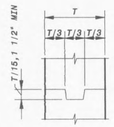
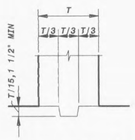


SLABS

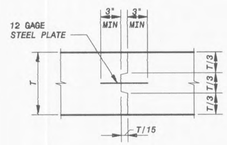


WALLS

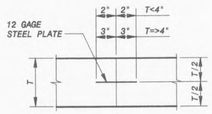


BASE OF WALLS

JOINTS WITHOUT WATERSTOPS

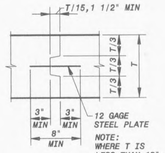


SECTION
T=>12"



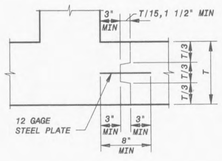
SECTION
T<12"

SLABS

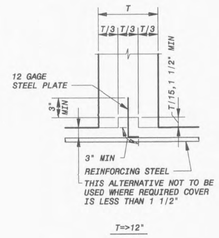


T=>12"

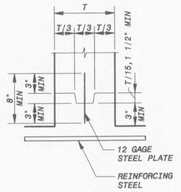
WALLS



CORNERS

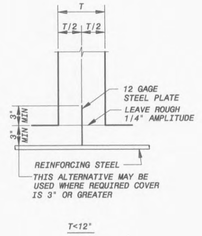


T=>12"



ALTERNATIVE
T=>12"
APR 97

ALTERNATIVE
T<12"
APR 97



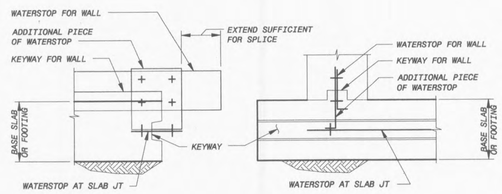
T<12"

BASE OF WALLS

JOINTS WITH WATERSTOPS

NOTES

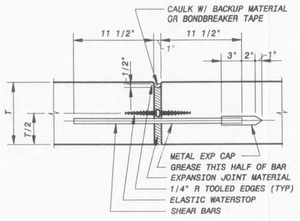
1. DETAILS ON THIS DRAWING APPLY TO ALL DRAWINGS UNLESS OTHERWISE NOTED.
2. WORK THIS DRAWING WITH THE STANDARD CONCRETE REINFORCING DETAILS.



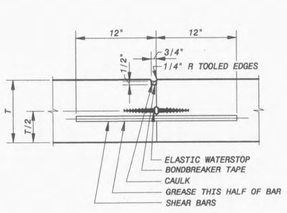
WATERSTOP INTERSECTION AT BASE SLAB CONSTRUCTION JOINT

TYPICAL CONSTRUCTION JOINTS

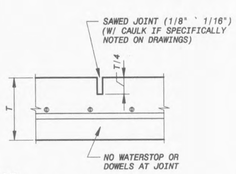
NOTE:
1. REINFORCING STEEL IS CONTINUOUS THROUGH ALL CONSTRUCTION JOINTS
2. "CSJ W/WS" - WITH WATERSTOP
3. "CSJ" - WITHOUT WATERSTOP



SLABS



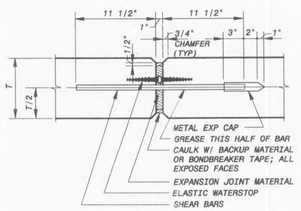
SLABS



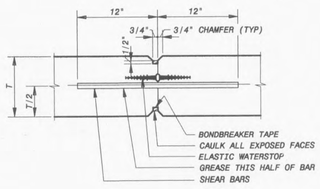
NOTE:
IF SINGLE LAYER REINFORCEMENT, EVERY OTHER BAR IS DISCONTINUOUS AT JOINT. IF 2 LAYER REINFORCEMENT, TOP LAYER IS COMPLETELY DISCONTINUOUS AT JOINT.

SAWED CONTRACTION JOINT
SLAB-ON-GRADE

NOTES:
1. TYPICAL CONTROL JOINT NOTES 1 THRU 3 NOT APPLICABLE
2. "SJ" - NO WATERSTOP
3. JOINT FORMED WITH TOOL OR INSERT STRIP MAY BE SUBSTITUTED FOR SAWED TYPE ONLY WITH PRIOR ACCEPTANCE BY THE ENGINEER.



WALLS



WALLS

EXPANSION JOINTS

NOTE:
"EJ W/WS" - WITH ELASTIC WATERSTOP
"EJ" - WITHOUT ELASTIC WATERSTOP

CONTRACTION JOINTS

NOTE:
"CJ W/WS" - WITH ELASTIC WATERSTOP
"CJ" - WITHOUT ELASTIC WATERSTOP

TYPICAL CONTROL JOINTS

NOTES:
1. PROVIDE 3/4" SHEAR BARS @ 1'-6" CTRS ACROSS JOINT UNLESS NOTED OTHERWISE
2. REINFORCING STEEL SHALL NOT BE EXTENDED ACROSS JOINT UNLESS NOTED OTHERWISE
3. SHEAR BARS SHALL BE SMOOTH, FREE FROM RUST OR SCALE, AND GREASED TO PREVENT BOND (ONE HALF OF BAR ONLY)

NO.	BY	CK	APP
2			
1			

CONFORMED TO CONSTRUCTION RECORDS
ADDENDUM
REVISIONS AND RECORD OF ISSUE

DATE
CYGNET ID: 97515-300-S-T00000FLH
SAVED: BOM14813, 3/26/2003 3:09:18 PM
DMG VER #: 7.0
PLOTTED: IVA44289, 10/14/2004 10:16:35 AM
USER: BOM14813

XREF1 ID:
XREF2 ID:
XREF3 ID:
XREF4 ID:
XREF5 ID:
SW: ACAD-2000i

"THIS DRAWING WAS ORIGINALLY APPROVED FOR CONSTRUCTION BY WILLIAM F. RILEY, ON 11/08/01 AND SIGNED BY WILLIAM F. RILEY A LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MISSOURI, NO. E-20758"

BLACK & VEATCH Corporation
St. Louis, Missouri

CITY OF O'FALLON, MISSOURI
WATER TREATMENT PLANT

STRUCTURAL
STANDARD CONCRETE JOINT DETAILS

DESIGNED:	WFR
DETAILED:	EAJ
CHECKED:	MER
APPROVED:	WFR
DATE:	OCT. 8, 2001

PROJECT NO.
97515

I2

SHEET
40 OF 96

F097515
D97515