TYPICAL REINFORCING BAR DETAIL

4D (2½" MIN.) <u>OFFSET</u> <u>HOOK</u> <u>LAP</u> <u>BEND</u> INSIDE R: 3D FOR #3 THRU #8 4D FOR #9 THRU #11

WIRE LAPS TIGHTLY TOGETHER

COMPRESSION LAP SPLICE LENGTH (COLUMNS ONLY)=30D

DEVELOPMENT LENGTH SPLICE LENGTH (CLASS B) BAR SIZE TOP BARS OTHER BARS TOP BARS OTHER BARS 18" #4 25 25 #5 31 24 40' 31" #6 37" 48" 37" 28" 54 70 54 42 #8 62" 47' 80' 62" #9 69" 53" 90" 69" #10 77 100 #11 85" 65 110" 85"

VERTICAL CONSTRUCTION JOINT

WALL REINF AND/

REINFORCING LAP SPLICE(

OR DOWELS

WALL ELEVATION

L=TYP. LAP SPLICE, X=24"

2X

NOTES:

STAGGER TYPICAL LAP SPLICES

AS SHOWN FOR ALL WALLS AT LIQUID CONTAINING STRUCTURES.

2. MINIMUM STAGGER BETWEEN SPLICES OF OUTER AND INNER CURTAINS OF HOR. REINFORCING

SHALL BE 2L (L= SPLICE LENGTH).

CONFORMANCE WITH UBC 1912.2.3.1,

1. fy=60 ksi; fc=4000 psi 2. CLEAR SPACING BETWEEN BARS ≥ 2D 3. CONCRETE COVER ≥ D CONCRETE COVER >
TOP BAR IS DEFINED SUCH THAT MORE THAN 12 INCHES OF FRESH CONCRETE IS CAST IN THE MEMBER BELOW.
FOR ALL OTHER CASES SEE UBC 1912.2.2 WHERE APPLICABLE.

ELASTOMERIC SEALANT - ½" CHAMFER SEE DETAIL (3) JP 320L RETROFIT WATERSTOP (TRIM TO FIT), BY JP SPECIALITIES, INC. OR APPROVED EQUAL S.S. ALL-THREAD ROD ¼" x 3" @ 12" O.C. SET IN CONC. ADHESIVE REFER TO PLAN FOR REINF. PER MANUFACTURER SPECS 0.0000 EXISTING 4" CONC. SLAB - S.S. PLATE ¾6" x 1½" x CONT. EPOXY GEL BED -(APPROX. 1/8" THICK) SAWCUT EXISTING SLAB

JOINT AT (E) 4" CONCRETE SLAB

Scale: NO SCALE

ELASTOMERIC SEALANT

SEE DETAIL (3) S.S. ALL-THREAD ROD -¼" x 3" @ 12" O.C. SET IN CONC. ADHESIVE NOTES:

JP 320L RETROFIT WATERSTOP (TRIM TO FIT), BY JP SPECIALITIES, INC. OR APPROVED EQUAL

NEW SLAB REFER TO PLAN FOR REINF.

THE DETAILS ON THIS SHEET ARE "TYPICAL" DETAILS WHICH ARE TO BE USED BY THE CONTRACTOR WHERE THESE VARIOUS GENERAL CONDITIONS EXIST. THESE DETAILS ARE NOT NECESSARILY REFERENCED ANYWHERE ELSE IN THIS SET OF CONSTRUCTION DOCUMENTS. PRIOR TO STARTING WORK, THE CONTRACTOR IS TO CONFIRM WITH THE ENGINEER THAT THESE DETAILS ARE PROPERLY INTERPRETED AND APPLIED TO THE APPROPRIATE CONDITIONS.

0.0000 0.00000 EXISTING SLAB w/6"-- S.S. PLATE ¾6" x 1½" x CONT. OR 8" THICKENED EDGE SAWCUT EXISTING SLAB EPOXY GEL BED $\mbox{\em 4"}$ FROM EXISTING JOINT (APPROX. 1/8" THICK) JOINT AT (E) 6" & 8" CONCRETE SLAB Scale: NO SCALE S3 1" TYP. 1" TYP. 1/4" THICK PLATE FLANGE (SAME MATERIAL AS SLEEVE) CAULK W/ BRAIDED YARN OR COTTON ROPE ELASTOMERIC SEALANT 1/4" THICK SLEEVE (A316 STAINLESS STEEL) C PIPE PACK W/ NON-SHRINK GROUT 1/4" THICK SLEEVE (A316 STAINLESS STEEL) ELASTOMERIC SEALANT-40 (TYP BOTH ENDS) 1/4" THICK PLATE FLANGE -EQ. EQ. EQ. EQ. (SAME MATERIAL AS SLEEVE) PIPE PENETRATION THRU WALI PIPE PENETRATION THRU WALL S3 S3 DRY CONDITION WET CONDITION

2

MDW SI RΖ

STANDARD DETAILS

S3