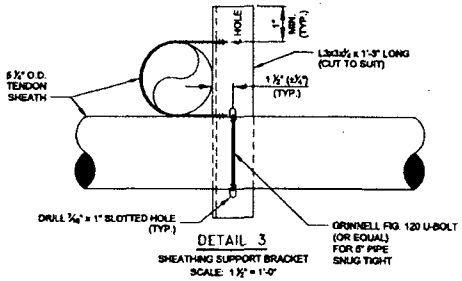
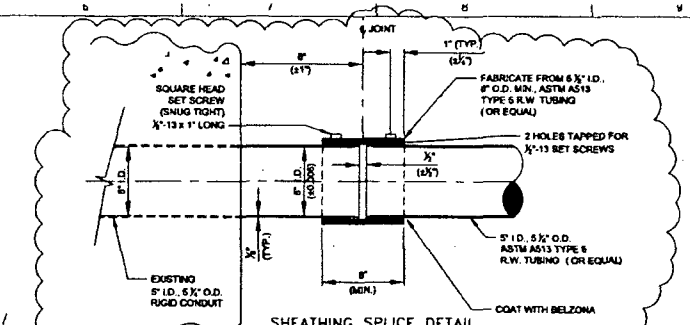
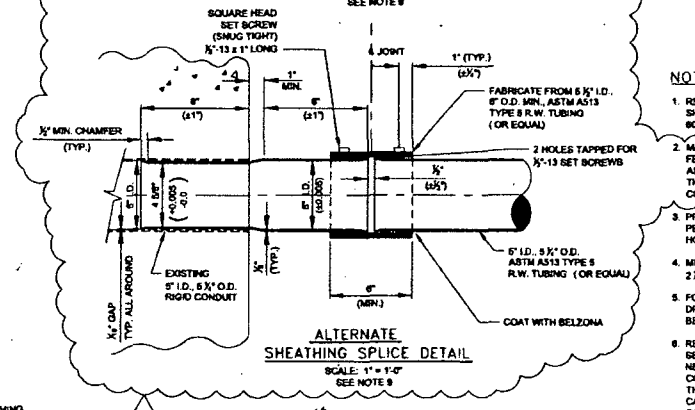
LEGEND:
I.R. = INSIDE RADIUS
O.S. = OUTSIDE
O.D. = DIAMETER
T.L. = TANGENT LINE



DETAIL 3
SHEATHING SUPPORT BRACKET
SCALE: 1½" = 1'-0"



SHEATHING SPLICE DETAIL
SCALE: 1" = 1'-0"
SEE NOTE 8



ALTERNATE
SHEATHING SPLICE DETAIL
SCALE: 1" = 1'-0"
SEE NOTE 9

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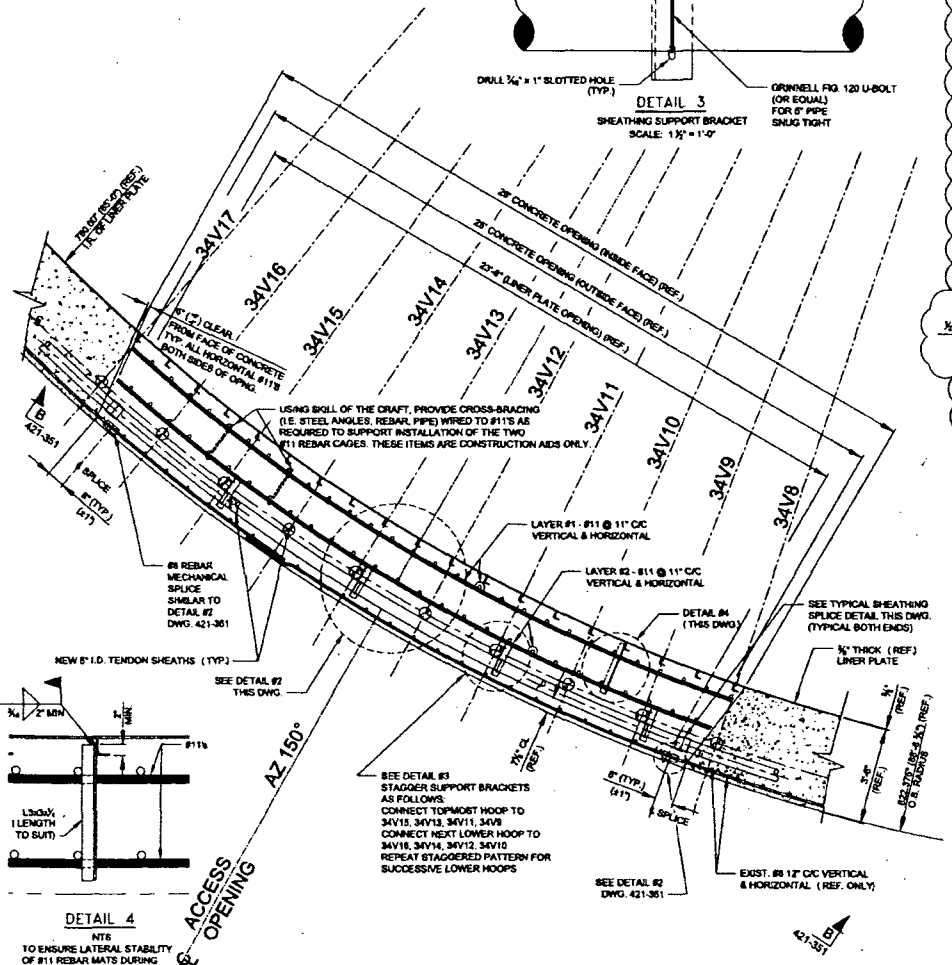
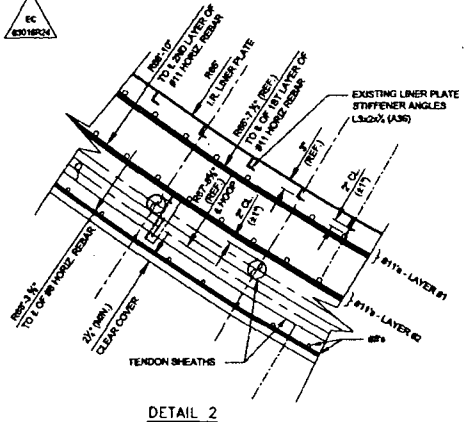


DETAIL 4
NTS
TO ENSURE LATERAL STABILITY OF #11 REBAR MATS DURING ERECTION & CONCRETE POUR, FIELD IS TO INSTALL ANGLES (AS SHOWN) AND TIE WIRE ANGLES TO #11's. CONSTRUCTION IS TO DETERMINE OPTIMAL LOCATIONS OF ANGLES.

PLAN VIEW OF OPENING
CONCRETE, REBAR & TENDON SHEATHING RESTORATION
SCALE: ⅛" = 1'-0"



DETAIL 2
SCALE: ½" = 1'-0"

NOTES:

1. REPLACEMENT CONCRETE FOR THE ACCESS OPENING SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 6000 PSI AT 5 DAYS AND 7000 PSI AT 28 DAYS.
2. MAXIMUM POUR RATE OF CONCRETE SHALL BE 4 FEET/HOUR UNLESS FORM PRESSURES ARE MONITORED AND MAXIMUM PRESSURE IS MAINTAINED AT OR LESS THAN 1300 PSF. CONCRETE SHALL BE PLACED IN ONE CONTINUOUS POUR. MAXIMUM LIFT HEIGHT IS 18".
3. PRESOAK EXISTING CONCRETE SURFACE WITHIN PERIMETER OF THE OPENING FOR A MINIMUM OF 24 HOURS PRIOR TO POURING NEW CONCRETE.
4. MINIMUM CONCRETE COVER TO THE #8 REBARS SHALL BE 2 ½". MINIMUM COVER TO A SPLICE COUPLER IS 1½".
5. FORMWORK SHALL BE INSTALLED PER VENDOR SUPPLIED DRAWINGS. MAXIMUM VERTICAL SPACING OF TIES SHALL BE 3'-0", MAXIMUM HORIZONTAL SPACING SHALL BE 1'-6".
6. REFER TO DRAWING 421-352 FOR TENDON RETENSIONING SEQUENCE. RETENSIONING CANNOT START UNTIL THE NEWLY PLACED CONCRETE HAS REACHED A MINIMUM COMPRESSIVE STRENGTH OF 6000 PSI. TENSIONING OF THE NEW REPLACEMENT TENDONS WITHIN THE OPENING CANNOT START UNTIL THE MINIMUM CONCRETE COMPRESSIVE STRENGTH IS 6000 PSI.
7. NEW STEEL REINFORCEMENT BARS SHALL CONFORM TO ASTM A615 GRADE 60.
8. MECHANICAL REBAR SPLICES FOR #8 REBAR SHALL BE BARGRIP XL - NUCLEAR/TYPE 2 SERIES, COLD SWAGED STEEL COUPLERS, MANUFACTURED BY BARSPLICE PRODUCTS, INC.
9. CONSTRUCTION HAS THE OPTION OF USING EITHER OF THE TENDON SHEATHING SPLICE DETAILS SHOWN ON THIS DRAWING.

EC 63016R24

EC 63016
ATTACHMENT Z10R24

Progress Energy

SGR DESIGN ENGINEERING
CR3
CRYSTAL RIVER
REACTOR BUILDING
TEMPORARY ACCESS OPENING FOR SGR RESTORATION
SHEET 1 OF 4
EC 63016R24

LPM			08/06/2008	1/2"=1'-0"
	1			
		421-350		0

RESTORATION

KEY NO.: DKEYNO

8/35