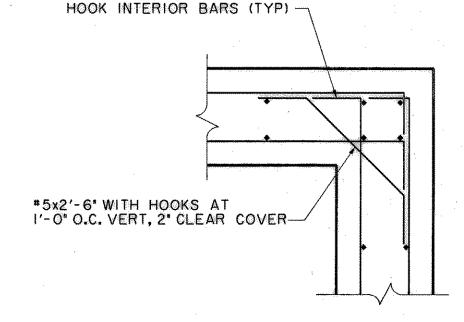
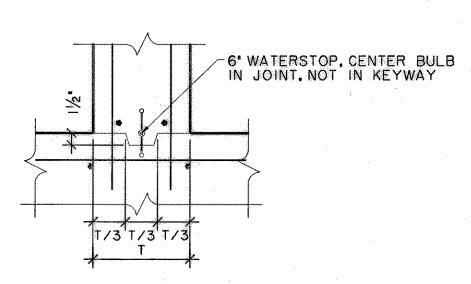


- I. REFER TO SPECIFICATIONS FOR RESTRAINT OF MECHANICAL JOINTS AT CONCRETE STRUCTURES.
- 2. ANY COMBINATION OF END CONNECTIONS OTHER THAN SHOWN ABOVE ARE POSSIBLE. FOR COMBINATIONS TO BE USED, REFER TO PLANS.
- 3. PROVIDE TEMPORARY PLUGS FOR BOLT HOLES IN WALL PIPE TO FACILITATE INSTALLATION OF STUD BOLTS AFTER WALL IS POURED.
- 4. PROVIDE STUD BOLTS WITH WASHERS AND NUTS AT ALL MECHANICAL JOINT WALL PIPES.

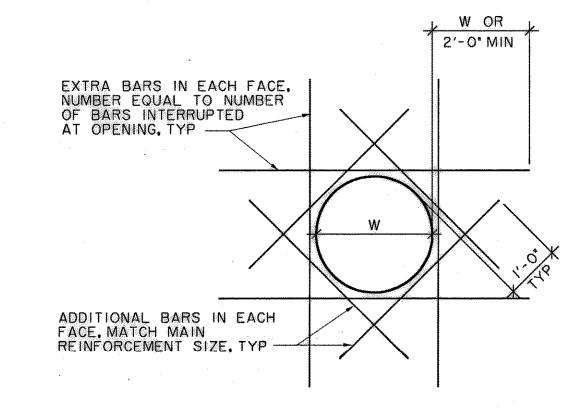




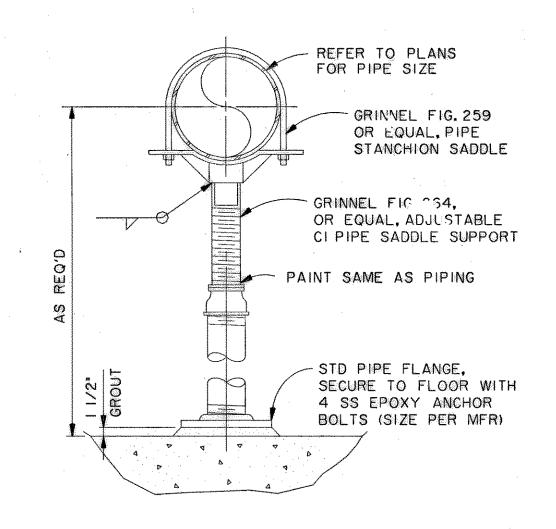
TYPICAL CORNER DETAIL



TYPICAL CONSTRUCTION $\sqrt{3}$ JOINT AT BASE



TYPICAL REINFORCING AROUND OPENINGS



PROVIDE HALF-ROUND, RIGID INSULATION AND INSULATION PROTECTION SHIELD, SIMILAR TO GRINNELL FIG 168, WHERE PIPING IS INSULATED.



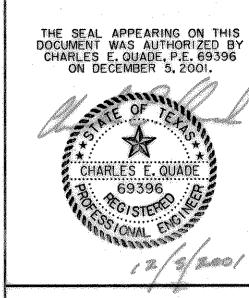
RECORD DRAWINGS JANUARY 13, 2003 THIS RECORD DOCUMENT HAS BEEN PREPARED BASED ON INFORMATION PROVIDED BY OTHERS. THE CONSULTANT HAS NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THIS INFORMATION AND SHALL NOT BE RESPONSIBLE FOR ANY ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS.

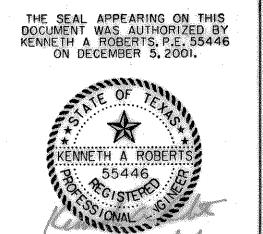
DESIGN CRITERIA						
NOTE		DESCRIPTION				
l.	THE STRUCTURAL BUILDING CODE. IS APPLICABLE REGU	994 EDITION.	WITH AMENI	DMENTS AND ALL		
2.	DESIGN LOADS:					
	ROOF LOAD -		LIVE	I50 PSF		
	SPECIALITY LOAD	DS: RAW	SEWAGE	64 pcf		
	DEAD LOAD -	SELF WT OF	MATLS AN	D EQUIPMENT.		
	SNOW LOADS:	DO NOT EXC LOADS.	EED THE M	INIMUM ROOF LIV	'E	
	WIND LOADS:		SPEED OF	CALCULATED FOR 90 MPH, EXPOSUR CTOR 1.0.		
	SESIMIC LOADS:	BASED ON S	EISMIC ZON	E 0.		

CONCRET	E
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DESCRIPTION

- UNLESS OTHERWISE NOTED, ALL DETAILING, FABRICATION AND PLACING OF REINFORCING STEEL SHALL CONFORM TO THE "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" (A.C.I. 315).
- UNLESS OTHERWISE NOTED, ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 4200 P.S.I. IN 28 DAYS.
- 3. UNLESS OTHERWISE NOTED, CONCRETE COVER OVER STEEL REINFORCEMENT SHALL CONFORM TO THE MINIMUMS REQUIRED BY CURRENT EDITION OF ACI 318.
- UNLESS OTHERWISE NOTED, ALL REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60, INCLUDING SUPPLEMENTARY REQUIREMENTS.
- ALL REINFORCING BAR SPLICES SHALL BE CLASS "B" TENSION LAP SPLICES (1'-4" MIN). UNLESS OTHERWISE SHOWN ON THE DRAWINGS.
- WIRE MESH REINFORCING SHALL LAP TWO FULL SPACINGS OF THE CROSS WIRES AND BE SECURELY WIRED AT EACH SIDE AND END.
- CHAMFER ALL EXPOSED EXTERNAL CORNERS OF CONCRETE WITH 1/2 x 45° CHAMFER, UNLESS OTHERWISE NOTED.
- ALL REINFORCING BAR HOOKS SHOWN ON DRAWINGS SHALL BE A.C.I. STANDARD 90° HOOKS, UNLESS OTHERWISE NOTED.
- SPLICE TOP BARS AT CENTER OF SPAN AND BOTTOM BARS AT THE SUPPORT.
- PROVIDE TWO #5 BARS ON ALL SIDES OF OPENINGS IN CONCRETE WALLS WHERE LARGEST DIMENSION EXCEEDS 1'-O'. EXTEND BARS 2'-0' BEYOND EDGE OF OPENINGS.
- II. ALL SLOTS, SLEEVES AND OTHER EMBEDDED ITEMS SHALL BE SET BEFORE CONCRETE IS PLACED. SEE ARCHITECTURAL, MECHANICAL. ELECTRICAL AND VENDOR'S DRAWINGS FOR SIZE AND LOCATIONS.
- 12. SUBSTITUTION OF EXPANSION ANCHORS FOR EMBEDDED ANCHORS SHOWN ON DRAWINGS WILL NOT BE PERMITTED.
- 13. PROVIDE 2-#4 x 4'-0" LONG DIAGONAL BARS IN TOP FACE AT ALL REENTRANT CORNERS IN SLABS.
- 14. ALL REINFORCING BARS AT REENTRANT CORNERS SHALL EXTEND FOR THE FULL EMBEDMENT LENGTH PAST THE CORNER, UNLESS OTHERWISE NOTED.





STRUCTURAL NOTES & DETAILS

LINE 'C' - LIFT STATION

SIGNAL RIDGE

CITY OF ROCKWALL, TEXAS

Huitt-Zollars, Inc. Daltas, Ft Worth, Houston, El Paso, Albuquerque, Denver, Phoenix, Tustin, Ontario, Seattle, Tacoma DATE PROJECT NO. SCALE DESIGN DRAWN DEC 2001 HZI 01258401 HZI

NOTED

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