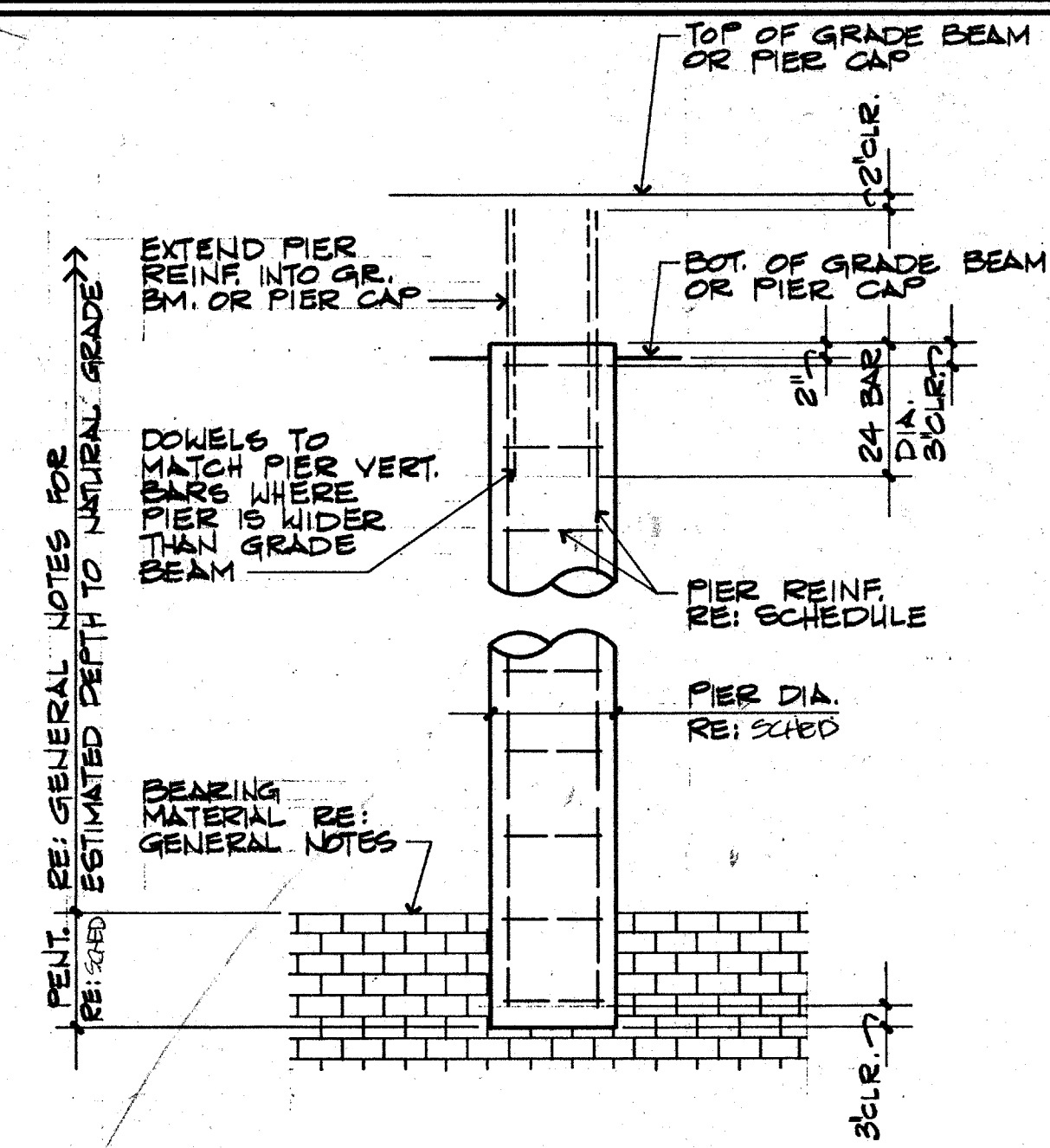
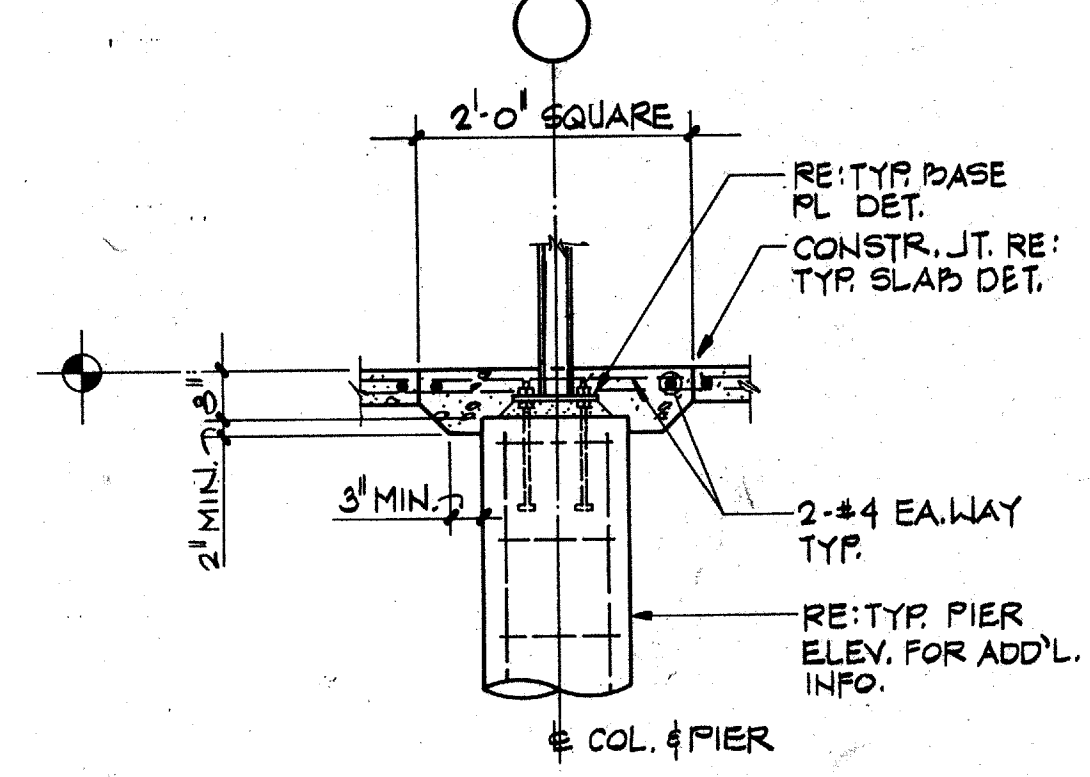


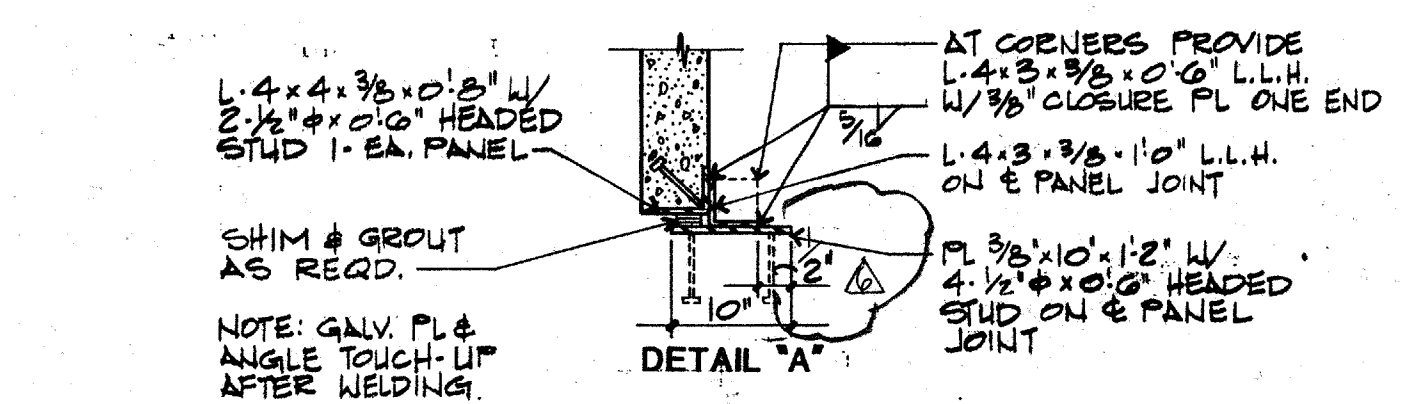
GENERAL NOTES & TYPICAL DETAILS



TYPICAL PIER ELEVATION



TYPICAL INTERIOR PIER

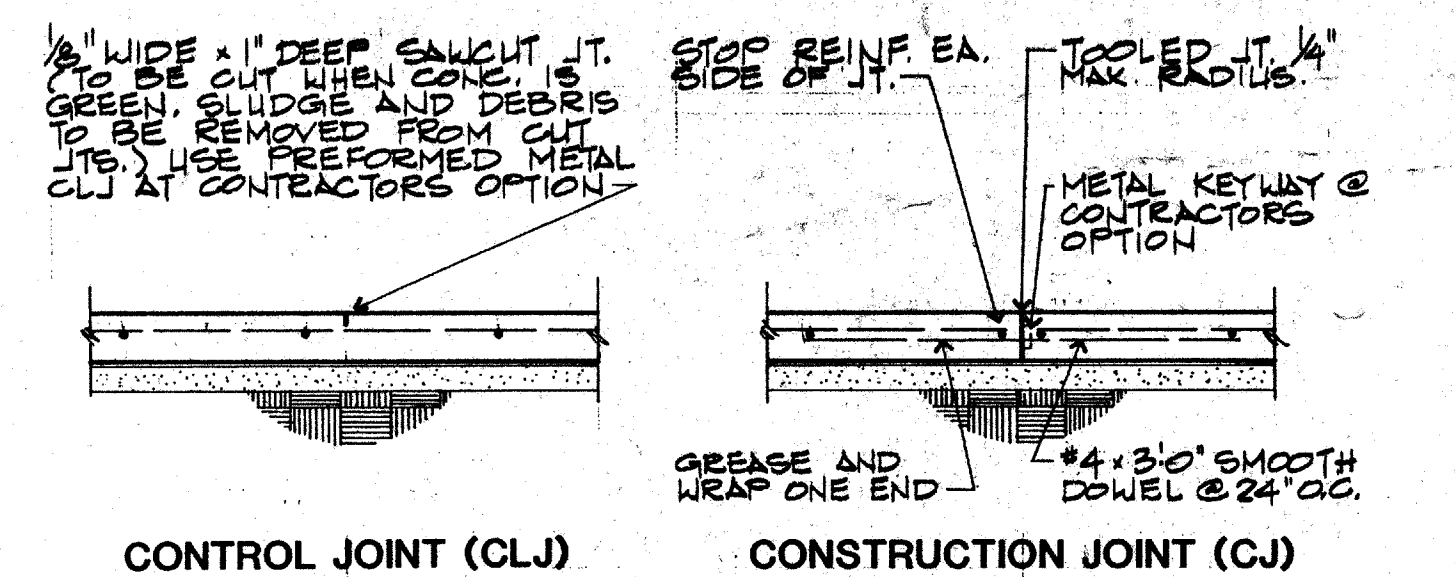


TYPICAL PIER AT TILT WALL PANEL

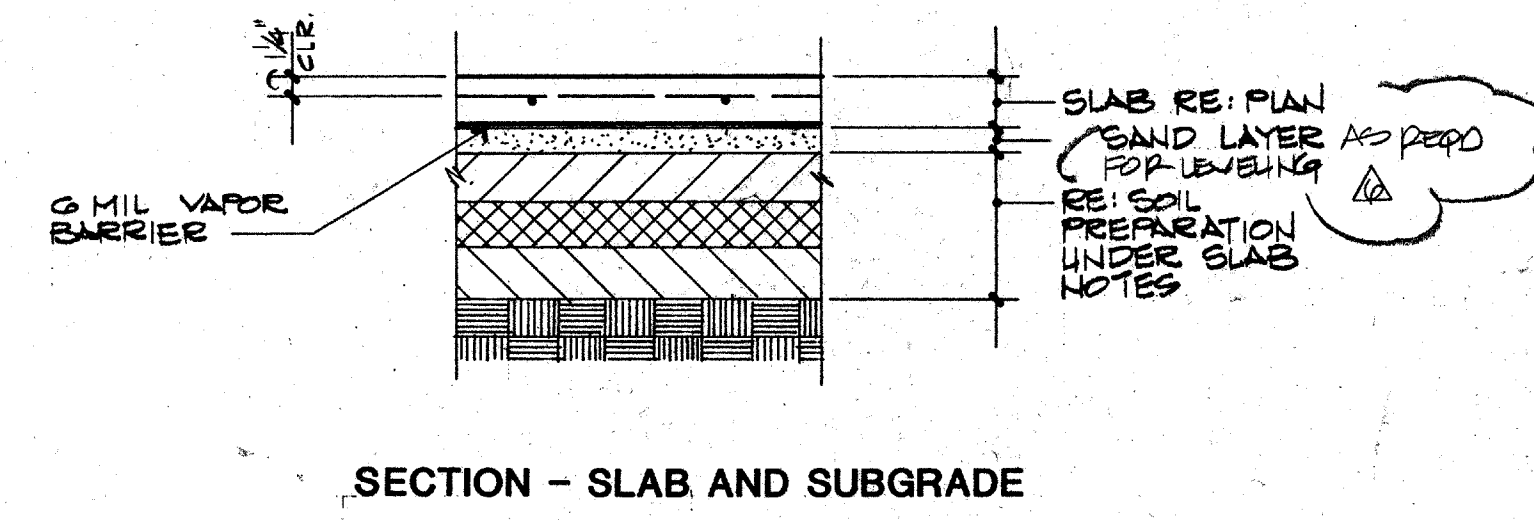
PIER SCHEDULE				
MK	SHAFT DIA./PENETRATION	VERT. REINF.	TIE SIZE & SPACING	REMARKS
P1	18"/12"	6 #5	#3@10"	
P2	18"/24"	6 #5	#3@10"	
P3	12"/12"	1 #7	#3@10"	
P4	18"/10"	6 #5	#3@10"	
P5				

PIER NOTES

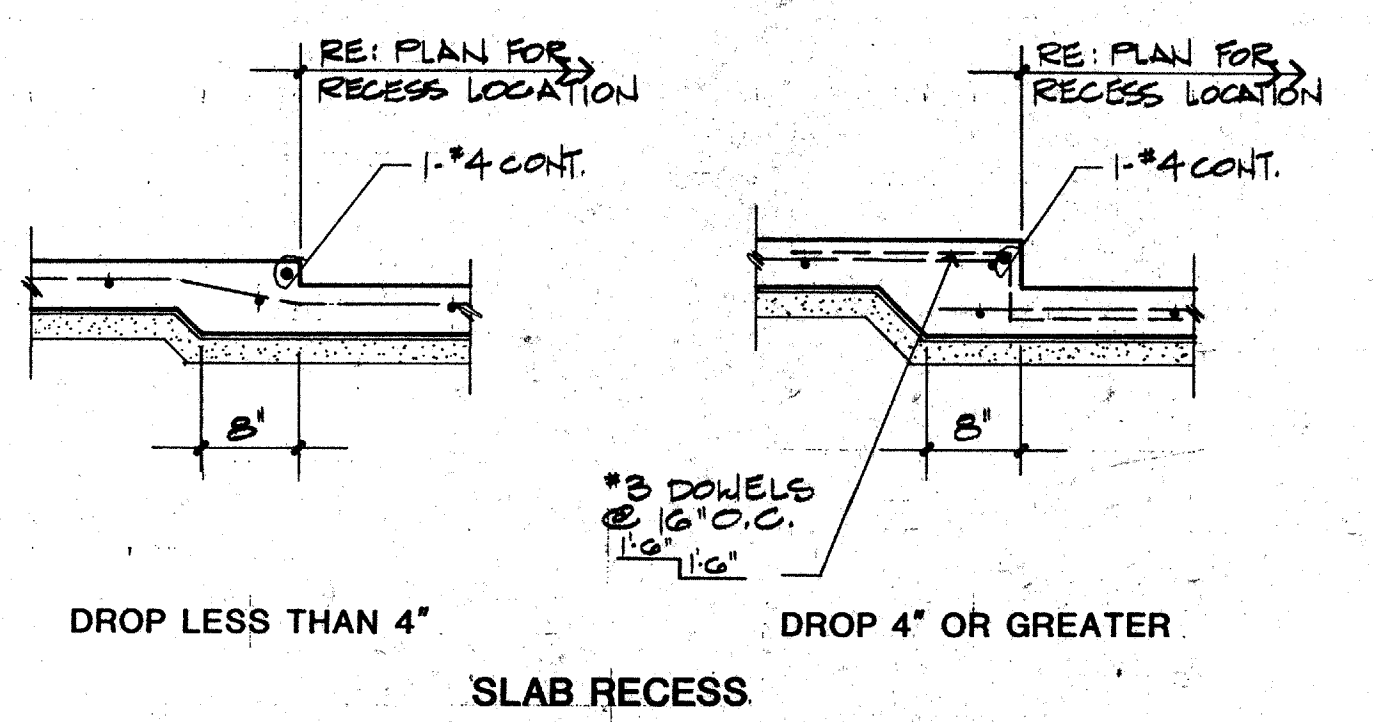
- THE CONTRACTOR SHALL VERIFY DEPTHS OF PIERS BEFORE PIER STEEL IS CUT. PIER STEEL SHALL BE DELIVERED TO THE JOB SITE IN STANDARD 60"-0" LENGTHS AND CUT AS REQUIRED. 30 BAR DIA. LAPS WILL BE ALLOWED IN THE PIER STEEL IF NO MORE THAN 50 PERCENT OF THE BARS ARE LAPPED IN ANY 5'-0" LENGTH OF THE PIER.
- THE OWNER'S TESTING AGENCY SHALL MAKE ACCURATE MEASUREMENTS OF THE DEPTH OF PENETRATION INTO THE BEARING STRATA TO BE ASSURED OF CONFORMANCE WITH THE DEPTH OF PENETRATION REQUIRED BY THE TYPICAL PIER DETAIL AND SUBMIT A REPORT OF DEPTHS OF PENETRATION DRILLED TO THE ARCHITECT AND ENGINEER.
- PIER HOLES SHALL BE CONCRETED WITHIN 8 HOURS AFTER DRILLING.



CONTRACTOR NOTE:
 PROVIDE CONTROL JOINTS OR CONSTRUCTION JOINTS WHERE INDICATED ON PLAN. CONSTRUCTION JOINTS MAY BE SUBSTITUTED FOR CONTROL JOINTS AT CONTRACTOR'S OPTION, BUT AT NO TIME SHOULD CONTROL JOINTS BE SUBSTITUTED FOR CONSTRUCTION JOINTS UNLESS APPROVED BY ENGINEER.

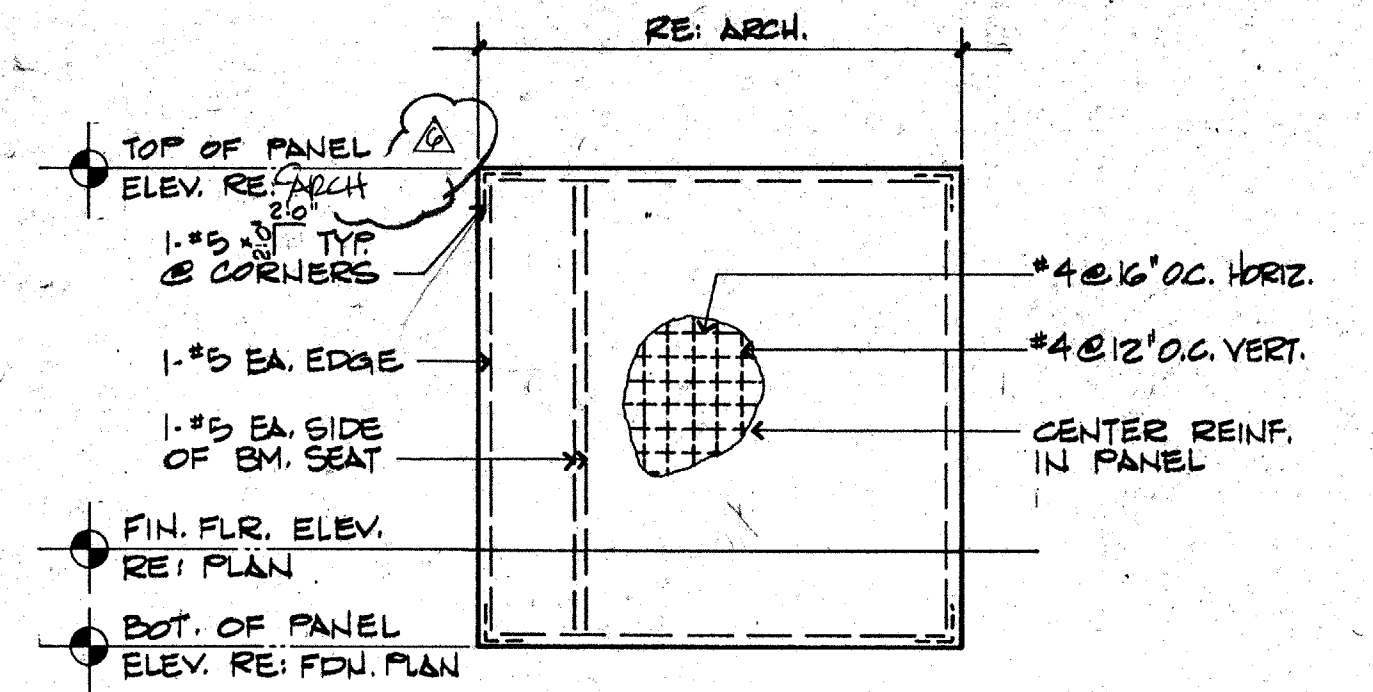


SECTION - SLAB AND SUBGRADE

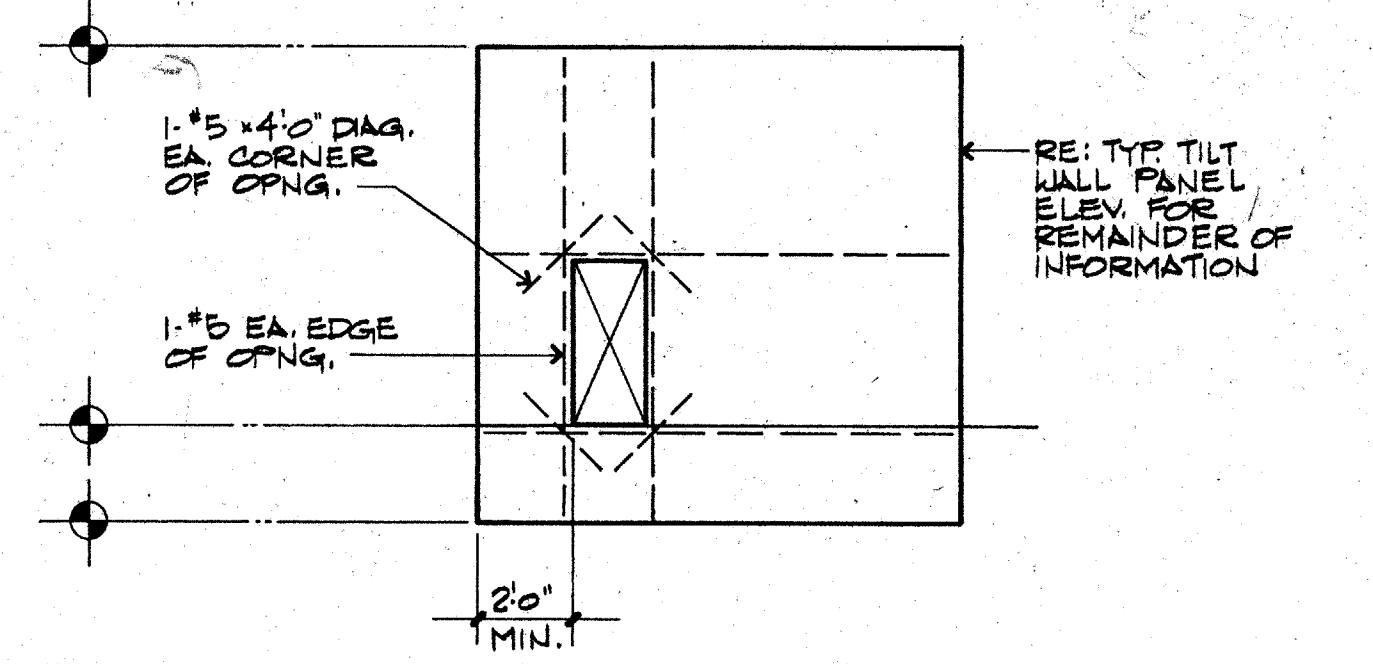


SOILS PREPARATION UNDER SLAB NOTES

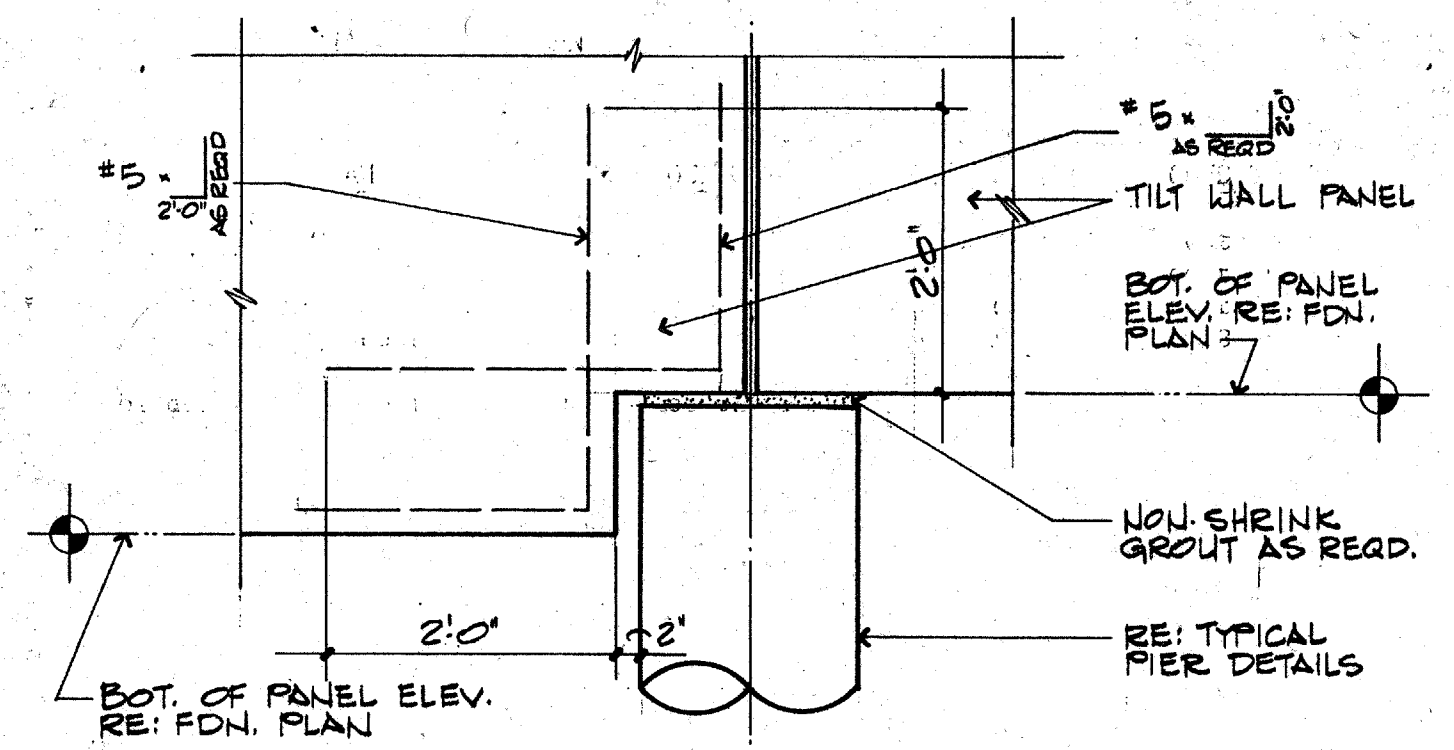
- PLACE ALL FLOOR SLABS ON A MINIMUM OF TWO AND ONE-HALF (2.5) FEET OF SELECT FILL. USE SELECT FILL HAVING A PLASTICITY INDEX BETWEEN FOUR (4) AND TWELVE (12). PLACE SELECT FILL IN LOOSE LIFTS NOT TO EXCEED EIGHT (8) INCHES. UNIFORMLY COMPACT SELECT FILL TO A MINIMUM OF NINETY-FIVE (95) PERCENT OF STANDARD PROCTOR DRY DENSITY (ASTM D-698) AND AT LEAST OPTIMUM MOISTURE CONTENT. REFERENCE SOILS REPORT FOR SPECIFIC FILL REQUIREMENTS.
- PRIOR TO SELECT FILL PLACEMENT, THE SUBGRADE SHALL BE SCRAPPED TO A DEPTH OF SIX (6) INCHES AND RECOMPACTED TO AT LEAST NINETY-FIVE (95) PERCENT OF STANDARD PROCTOR DRY DENSITY (ASTM D-698) AND A MOISTURE CONTENT OF AT LEAST THE OPTIMUM VALUE, AS DEFINED BY ASTM D-698.
- USE SAME SELECT FILL FOR BACKFILLING UNDERSLAB UTILITY TRENCHES; REFER TO THE SOILS REPORT FOR SPECIFIC REQUIREMENTS. BACKFILL AT ALL EXTERIOR GRADE BEAMS WITH EXISTING SITE SOIL.



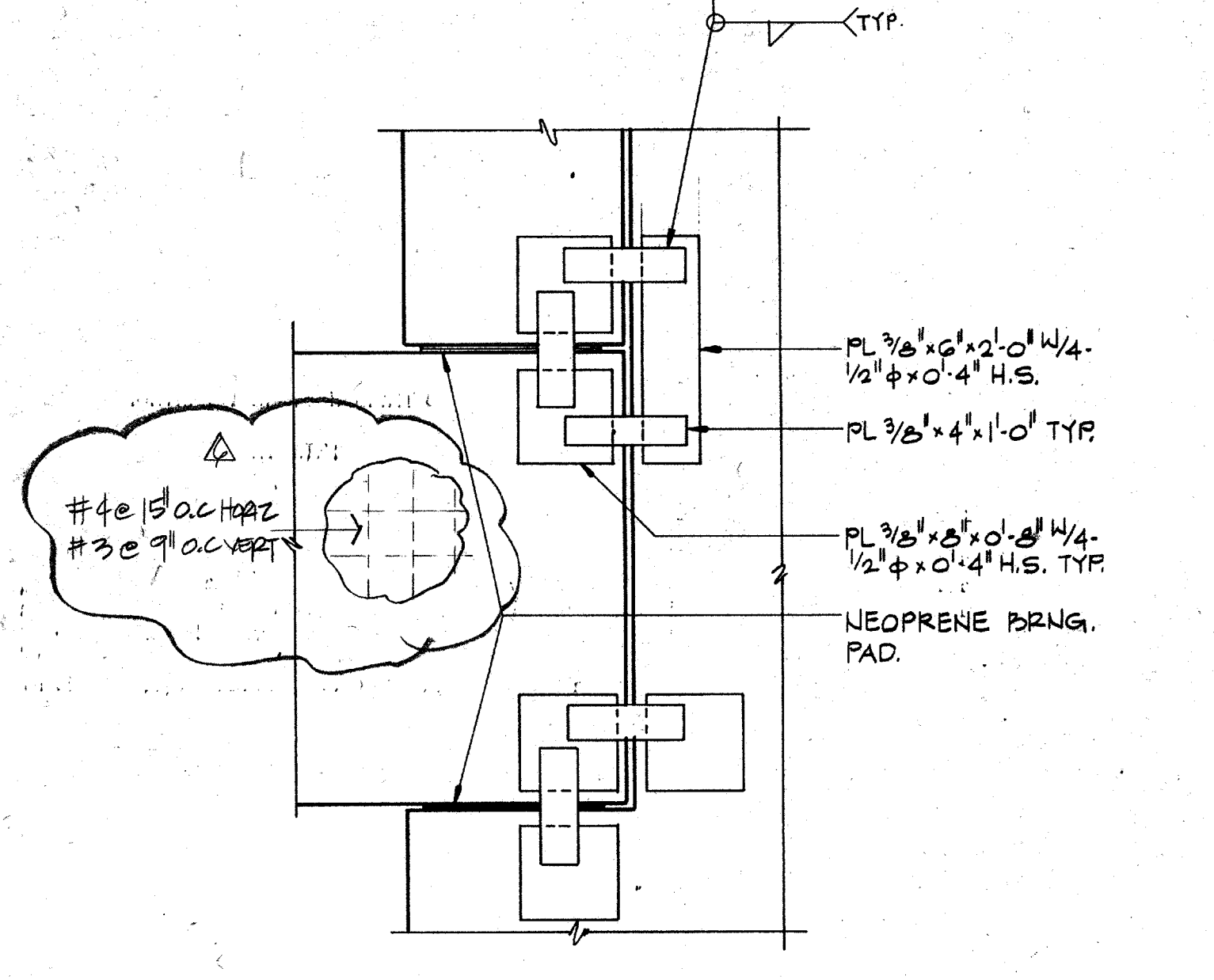
TYPICAL TILT WALL PANEL ELEVATION



TYPICAL TILT WALL PANEL ELEVATION WITH OPENING



TYPICAL TILT WALL PANEL DETAIL AT STEP IN BOTTOM OF PANEL ELEVATION



CONNECTION AT SUSPENDED PANELS

TILT WALL PANEL NOTES

- PANEL THICKNESS SHALL BE 7-1/4" TYPICAL. REI. PLAN FOR PANELS.
- REINFORCING STEEL COVERAGE IN PANELS SHALL BE 3/4" MINIMUM.
- SEE STRUCTURAL DETAILS FOR ALL DOWELS TO SLAB, CONNECTIONS FOR STEEL BEAMS AND STEEL JOISTS, ANGLES SUPPORTING DECK, ETC.
- CONTRACTOR SHALL SUBMIT TO ENGINEER, THE METHOD OF LIFTING PANELS PRIOR TO POURING PANELS, AND SHALL FURNISH AND INSTALL LIFTING INSERTS AND ANY ADDITIONAL REINFORCING REQUIRED BY LIFTING METHOD.
- SEE ARCHITECTURAL, MECHANICAL, ELECTRICAL AND STRUCTURAL DRAWINGS AND DETAILS FOR ALL BOLTS, PLATES, DOWELS, REGLETS, CHAMBERS, REVEALS, FINISHES, CONDUIT, BOXES, ETC. TO BE CAST INTO PANELS. CONTRACTOR SHALL COORDINATE THE PLACEMENT OF ALL SUCH MATERIALS TO BE CAST INTO PANELS.

REPRODUCTION NOTE

THE USE OF REPRODUCTIONS OF THESE CONTRACT DRAWINGS BY ANY CONTRACTOR, SUB-CONTRACTOR, ERECTOR, FABRICATOR, OR MATERIAL SUPPLIER IN LIEU OF PREPARATION OF SHOP DRAWINGS SHALL NOT BE PERMITTED.

- CODES & DESIGN SPECIFICATION
 - BUILDING CODE: UNIFORM BUILDING CODE, 1971
 - STRUCTURAL STEEL: 1978 SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
 - STRUCTURAL CONCRETE: 1983 BUILDING CODE FOR REINFORCED CONCRETE OF THE AMERICAN CONCRETE INSTITUTE (ACI 318-83)
- DESIGN LIVE LOADS

ROOF	20 PSF
OFFICE	50 PSF
PARTITION	20 PSF
MEZZANINE STORAGE	1100 PSF
BASIC WIND PRESSURE	13 PSF
- SOILS REPORT
 - IDENTIFICATION

"GEOTECHNICAL INVESTIGATION FOR 8400 SQUARE FOOT BUILDING, DOOLEY ROAD, ADDISON, TEXAS," BY SOUTHWESTERN LABORATORIES, DALLAS, TEXAS (80-286) DATED MARCH 24, 1980.
 - FOUNDATION SYSTEM
 - UTILIZE STRAIGHT DRILLED CONCRETE SHAPTS SITUATED WITHIN THE BLUE LIMESTONE STRATA WHICH WAS ENCOUNTERED AT A DEPTH OF APPROXIMATELY 12'-6" BELOW EXISTING GRADE.
 - DESIGN VALUES

a) END BEARING	50,000 PSF
b) SIDE FRICTION	6,000 PSF
- CONCRETE
 - ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE A.C.I. STANDARD "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (A.C.I. 318-83).
 - NORMAL-WEIGHT CONCRETE, (W-145PCF): AIR ENTRAINED, EXCEPT FOR PIERS, MINIMUM COMPRESSIVE STRENGTH: 4,000 PSI
 - SHRE PROPERLY BEFORE BACKFILLING AGAINST EARTH RETAINING WALLS.
 - FACES OF GRADE BEAMS NOT EXPOSED MAY BE EARTH FORMED, PROVIDED BEAM WIDTHS SHOWN ON THESE DRAWINGS ARE INCREASED BY 2".
 - DETAILS ON STRUCTURAL DRAWINGS REPRESENT CONCRETE WHICH IS NOT "EARTH-FORMED".
 - CONTRACTOR SHOULD MAKE ALLOWANCES, AS NOTED IN "D", BASED UPON THE INTENDED CONSTRUCTION PROCEDURE.
 - SEE ARCHITECTURAL DRAWINGS FOR FLOOR ELEVATIONS, SLOPES, AND THE LOCATION OF FLOOR DEPRESSIONS.
- REINFORCING STEEL
 - BARS - CONFORM TO ASTM A-615 - GRADE 60, DOWELS AND STIRRUPS - GRADE 40.
 - WELDED WIRE FABRIC - CONFORM TO ASTM A-185 OR A-497. FURNISH IN FLAT SHEETS.
 - DETAILING - CONFORM TO A.C.I. DETAILING MANUAL, 315-74. REINFORCING STEEL COVERAGE:

PIERS	3" BOTTOM AND SIDES
GRADE BEAMS	1-1/2" TOP, 3" BOTTOM, 2" SIDES
	(3" SIDES IF EARTH FORMED)
 - IAP CONTINUOUS UNSCHEDULED REINFORCING STEEL AS FOLLOWS:

BOTTOM BARS IN MEMBERS SUPPORTED BY COLUMNS OR PIERS - 12" AT SUPPORTS ONLY, ALL OTHERS - 36 BAR DIAMETERS AT MIDSPAN.
--
 - PROVIDE 90 DEGREE BENDS AND 12" RETURNS AT CORNERS FOR HORIZONTAL WALL REINFORCING.
 - SPACE STIRRUPS FROM FACE OF SUPPORT.
 - PROVIDE STANDARD BAR CHAIRS WITH SHEET METAL BASES AT SLABS ON GRADE. BAR CHAIRS SHALL BE SPACED AT 4' - 0" MAXIMUM CENTERS EACH WAY.
- STEEL FRAMING
 - STRUCTURAL STEEL SHALL CONFORM TO THE AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS: 1978 EDITION".
 - CONFORM TO ASTM A-36, A-53-B (FOR PIPE) AND A-500-B (FOR TUBING), AND THE STEEL INSTITUTE OF AMERICAN INSTITUTE OF STEEL CONSTRUCTION.
 - UNLESS NOTED OTHERWISE, PROVIDE FRAMED BEAM CONNECTIONS IN ACCORDANCE WITH PART 4, AISC MANUAL - 3/4" ASTM A-325 BOLTS. DESIGN FOR SHEARS IN TABLES FOR ALLOWABLE LOADS ON BEAMS, PART 2.
 - FIELD CONNECTIONS SHALL BE EQUIVALENT TO STANDARD RIGID CONNECTIONS USING 3/4" ASTM A-325 BOLTS UNLESS OTHERWISE SHOWN. CONNECTIONS SHALL BE BOLTED OR WELDED - SEE DETAILS.
 - WELDING SHALL CONFORM TO THE "CODE FOR WELDING IN BUILDING CONSTRUCTION" BY THE AMERICAN WELDING SOCIETY, LATEST EDITION. WELDS NOT CALLED OUT ON DRAWINGS SHALL BE 3/16" CONTINUOUS FILLET WELDS. WELDING ELECTRODES SHALL CONFORM TO AWS A5.1 OR A5.5 E70XX.
 - ANCHOR BOLTS SHALL CONFORM TO ASTM A-307 FOR HEADED A.B. AND A-36 FOR UNHEADED AND HOOKED A.B., AND SHALL BE SET USING RIGID TEMPLATES.
 - PREGRouting OF BASE PLATES WILL NOT BE PERMITTED.
- OPEN-WEB JOISTS
 - DESIGN, FABRICATION AND ERECTION OF OPEN-WEB JOISTS SHALL CONFORM TO SPECIFICATIONS OF THE STEEL JOIST INSTITUTE.
 - UNLESS SHOWN OTHERWISE, JOISTS SHALL BE WELDED TO SUPPORTING BEAMS WITH A 3/16" FILLET WELD, 1-1/2" LONG, ON EACH SIDE OF EACH END. AT COLUMNS NOT FRAMED WITH BEAMS IN BOTH DIRECTIONS, PROVIDE BOLTED CONNECTION FOR NEAREST ADJACENT JOIST.
 - PROVIDE BRIDGING FOR JOISTS AS SHOWN ON DRAWINGS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE STANDARD SPECIFICATIONS OF THE STEEL JOIST INSTITUTE.
 - JOISTS SHALL BE CAMBERED AS SPECIFIED BY THE STEEL JOIST INSTITUTE, UNLESS NOTED OTHERWISE.
- STEEL DECK
 - DESIGN, FABRICATION AND ERECTION OF METAL DECK SHALL CONFORM TO THE STEEL DECK INSTITUTE "CODE OF RECOMMENDED STANDARD PRACTICE AND BASIC DESIGN SPECIFICATIONS", LATEST EDITION.
 - WELDING MATERIALS AND PROCEDURES SHALL BE MADE TO ENSURE AGAINST BURNING OF HOLES IN DECK.
 - MAJOR OPENINGS ARE SHOWN ON THE DRAWINGS. OPENINGS NOT SHOWN ON THE DRAWINGS AND LARGER THAN 12" SQUARE OR ROUND SHALL HAVE STRUCTURAL STEEL FRAMING AROUND OPENINGS FOR DECK SUPPORT. ALL OPENINGS SHALL BE SHOWN ON SHOP DRAWINGS, VERIFIED BY CONTRACTOR AS TO SIZE AND LOCATION.
 - COORDINATE MECHANICAL UNIT OPENINGS WITH UNIT MANUFACTURERS.
 - FLOOR DECK SHALL BE GALVANIZED CORRUGATED STEEL DECK WITH THE FOLLOWING TYPE GAGE AND PHYSICAL PROPERTIES (PER FOOT WIDTH):

GAGE:	28
MOMENT OF INERTIA:	0.011 IN 4/FT
SECTION MODULUS:	0.035 IN 3/FT
MINIMUM DEPTH:	19/32" (NOMINAL)
SLAB REIN.:	4 X 4 - W2.1 X W2.1
 - USE: VULCRAFT TYPE .628 OR APPROVED EQUAL.
 - FLOOR DECK WELDS SHALL CONFORM TO THE FOLLOWING PATTERNS:
 - SIDE LAPS: WELD AT EACH JOIST
 - AT END SUPPORTS: WELD AT 12" O.C.
 - ROOF DECK SHALL BE PAINTED STEEL DECK WITH THE FOLLOWING TYPE GAGE AND PHYSICAL PROPERTIES (PER FOOT WIDTH):

GAGE:	22
MOMENT OF INERTIA:	0.120 IN 4/FT
SECTION MODULUS:	0.111 IN 3/FT
MINIMUM DEPTH:	1-1/2" (NOMINAL)
 - USE: VULCRAFT 1.522 OR APPROVED EQUAL.
 - ROOF DECK WELDS SHALL CONFORM TO THE FOLLOWING PATTERNS USING STANDARD WELDING WASHERS AT SUPPORTING MEMBERS:
 - SIDE LAPS: #12 SELF TAPPING SCREWS AT 18" O.C.
 - AT INTERMEDIATE SUPPORTS: WELDS AT 12" O.C.
 - AT END SUPPORTS: WELDS AT 6" O.C.
 - AT PERIMETER OF ROOF: WELDS AT 12" O.C.

INTERFIELD ENGINEERING CO.
 CONSULTING ENGINEERS
 5401 N. CENTRAL EXPWY.
 SUITE 340
 DALLAS, TEXAS 75205
 (214) 626-6854

DRAWING TO BE USED FOR CONSTRUCTION

EDI ARCHITECTS, INC.
 ARCHITECTURE PLANNING ENGINEERING INTERIOR DESIGN
 8440 WALTON HILL LANE
 SUITE 100
 DALLAS, TEXAS 75246
 214 / 488-8300
 AUSTIN, TEXAS 78751
 512 / 488-8300

TOWN OF ADDISON

ADDITION

ADDITION TO PUBLIC WORKS SERVICE CENTER

Westgrove Road
 Addison Texas

DATE: 11 JUNE 86
 24 JULY 1986 - BID
 Rev 67 00286

SHERPOY OF DEVELOPMENT
 TOWN OF ADDISON
S1.1
 OF SHEETS
 JOB NO: 851-137