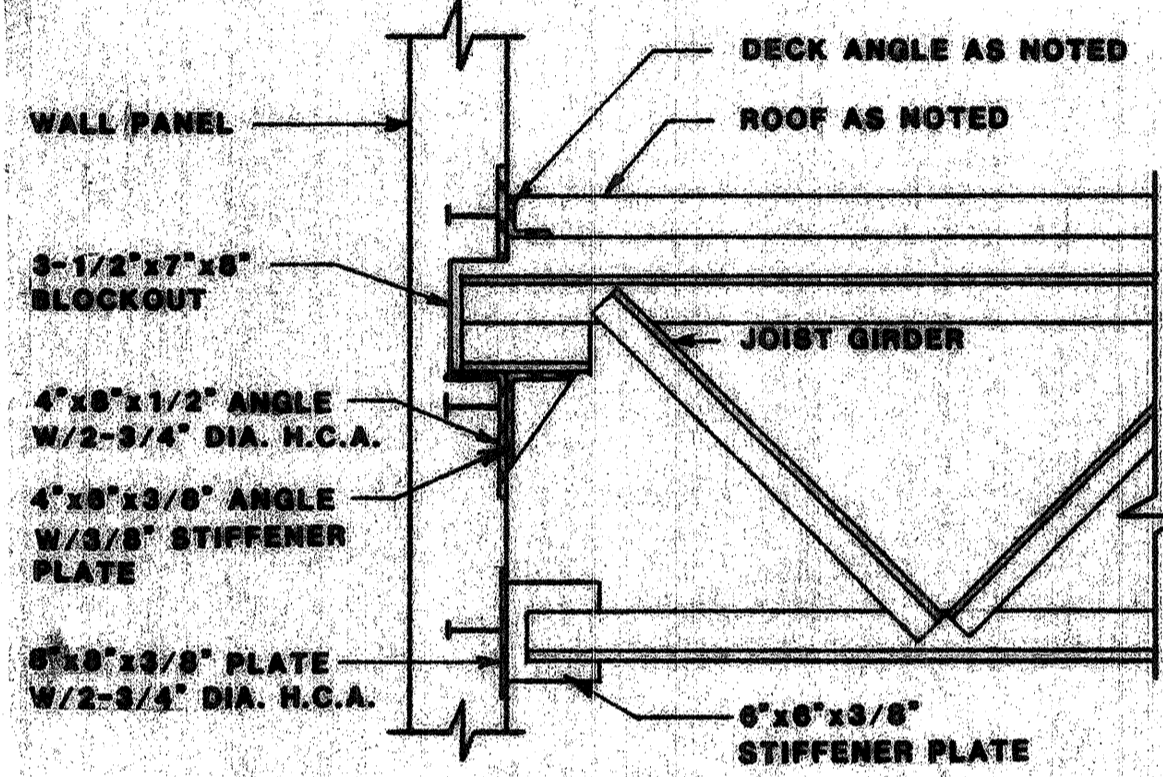
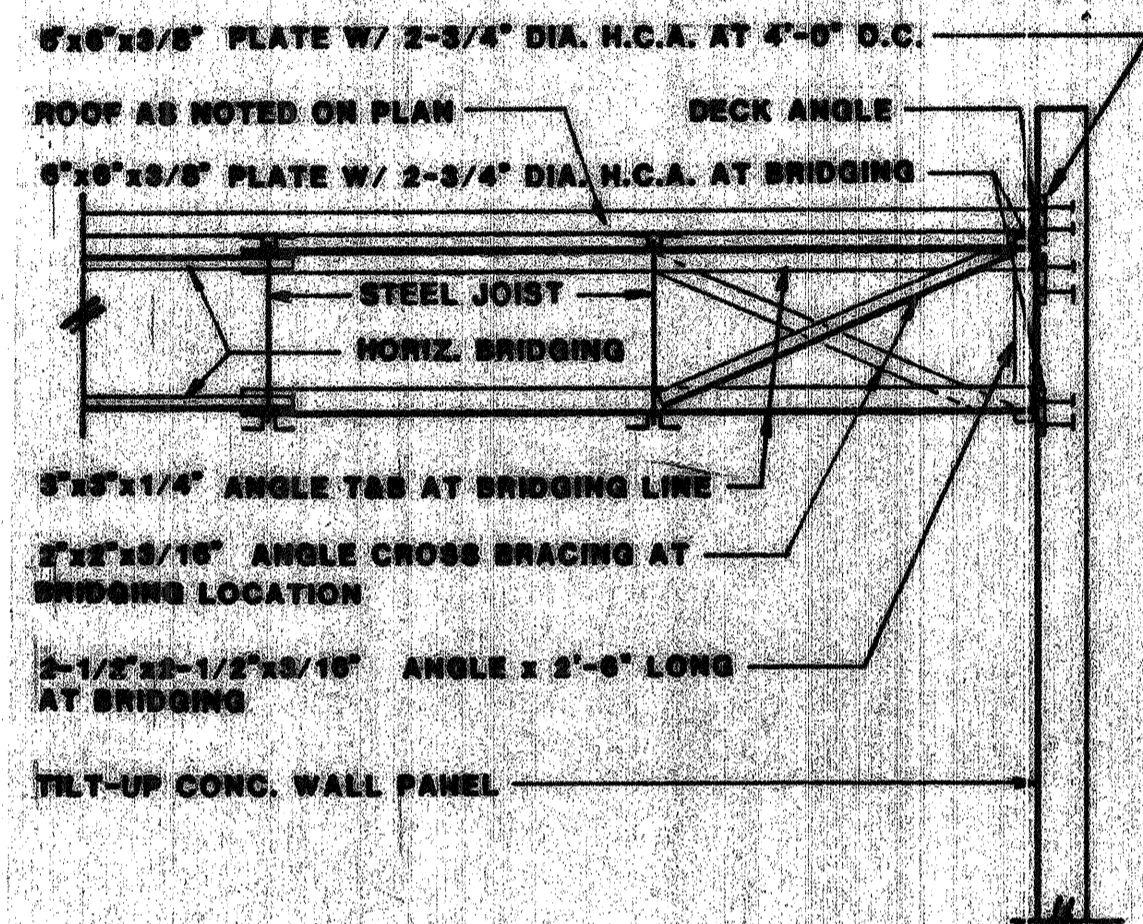
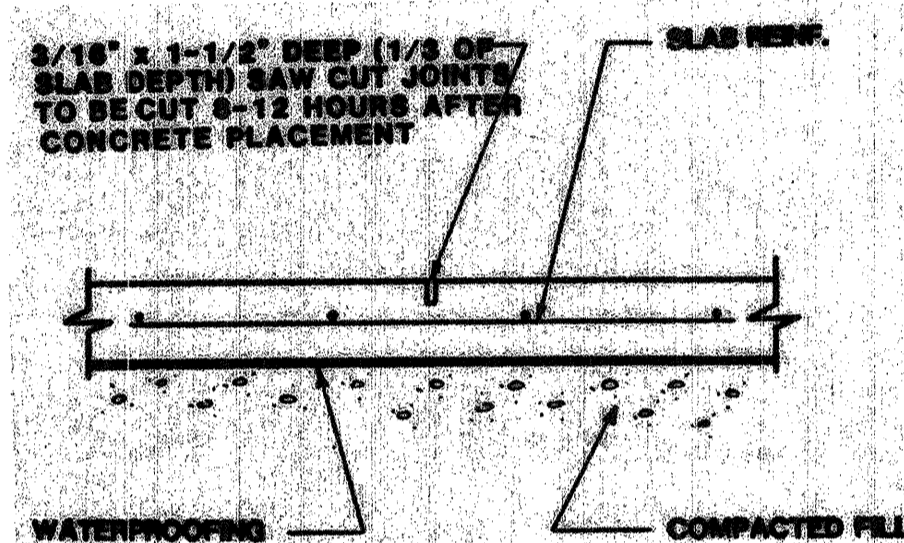
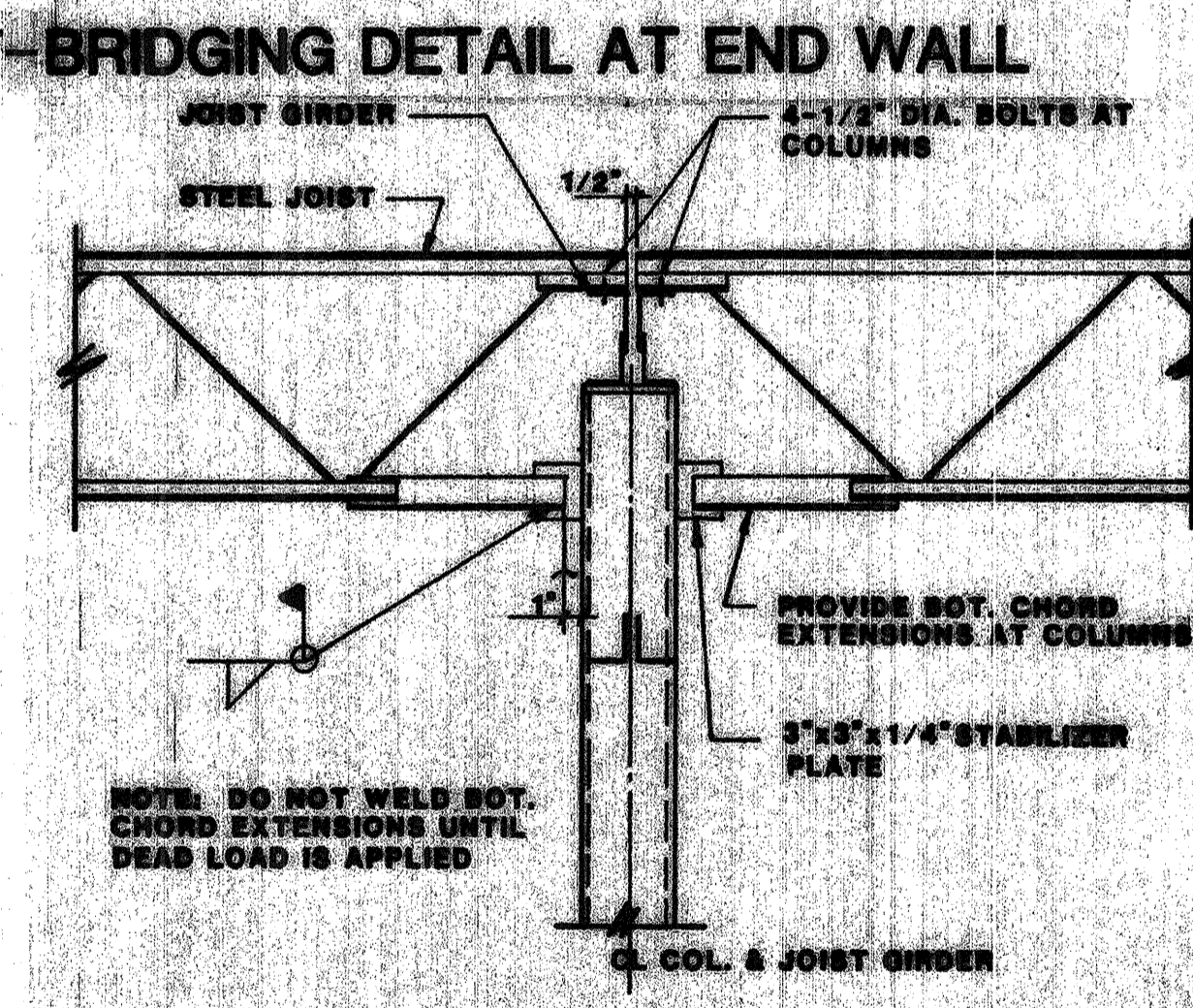
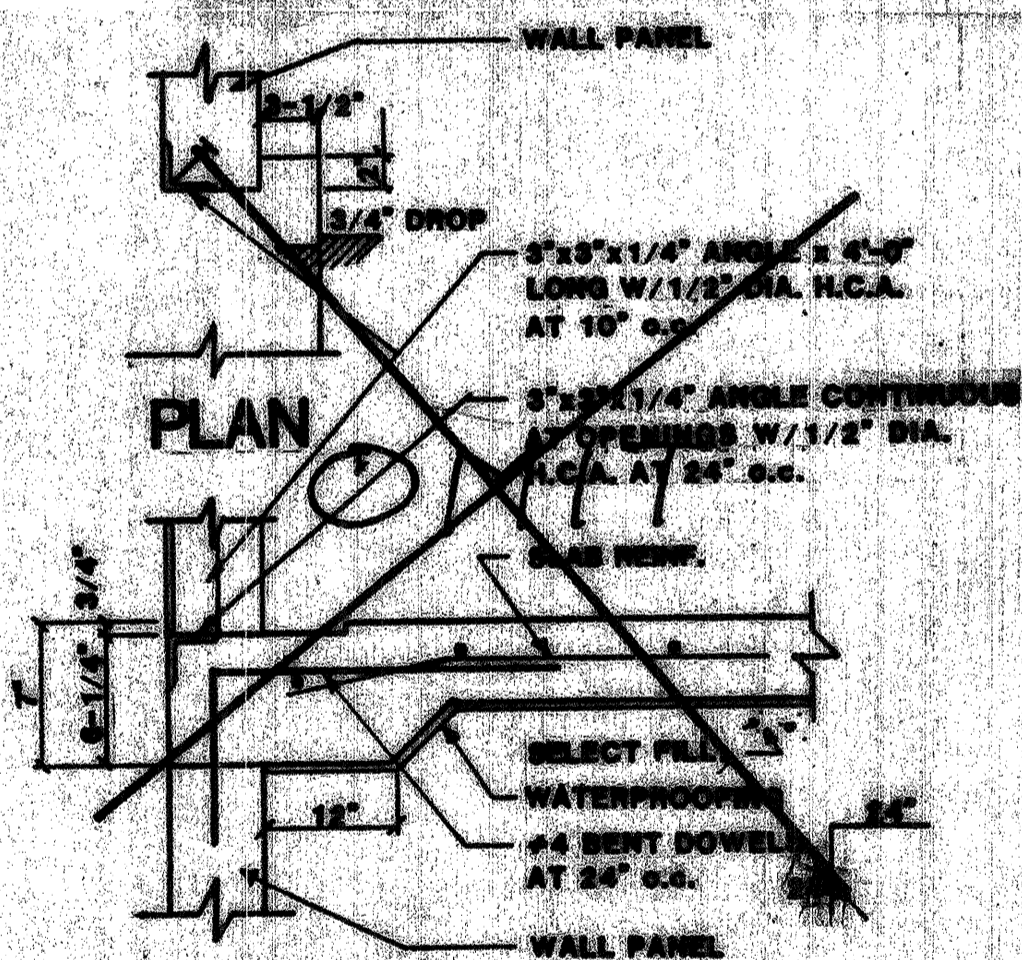


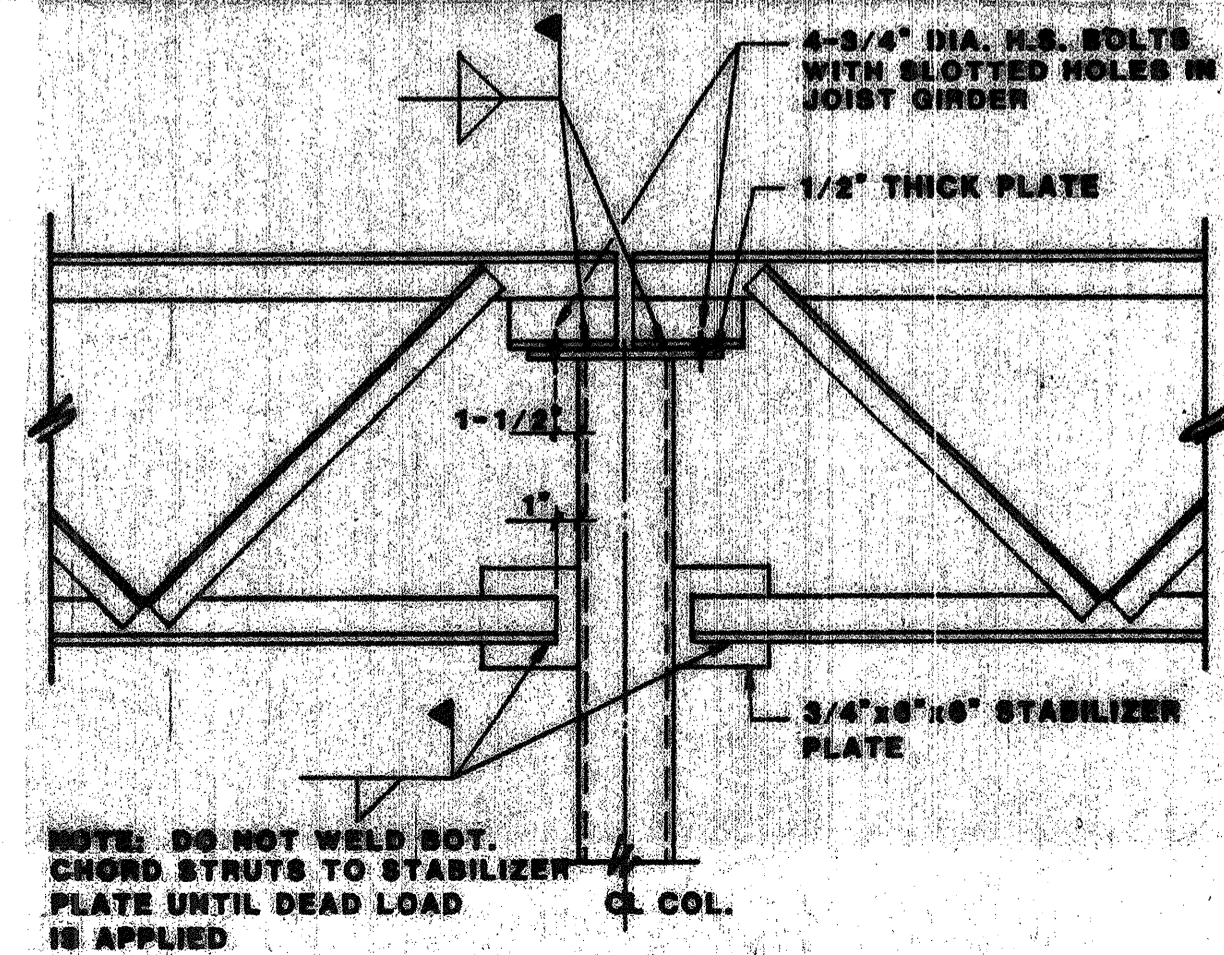
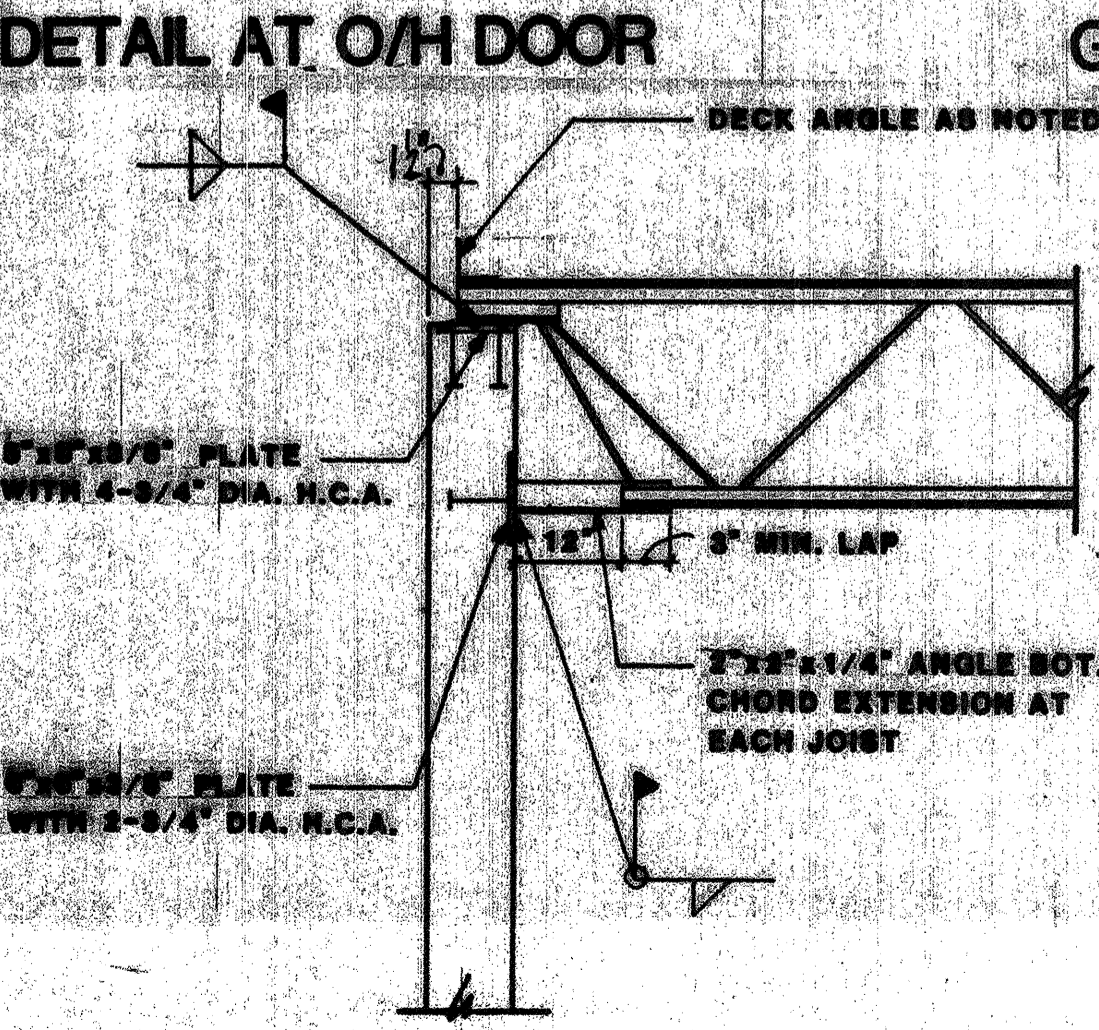
A-TYP. SLAB CONSTRUCTION JOINT E-TYP. JOIST BEARING SEAT AT PANEL J-PANEL CONNECTION DETAIL



JOIST GIRDER TO PANEL CONN.



G-TYP. JOIST TO GIRDER CONN. AT COL.



D-TYP. JOIST TO PANEL CONNECTION H-TYP. JOIST GIRDER TO COL. CONN.

GENERAL NOTES FOR CONCRETE FOUNDATIONS

- Strip top soil a minimum of 6" and remove all organic material, roots, grass, etc. from the site prior to starting foundation work.
- Compact the exposed subgrade to a minimum depth of 6" to a minimum dry density of 95% of the maximum dry density as determined by standard proctor test at optimum moisture content.
- Select fill below the slab shall be compacted inert granular material (FI less than 15, liquid limit less than 30, % passing #200 sieve equal to 50%) Fill shall be 12" minimum thickness and compacted in the field not to exceed 8" lifts to a minimum 95% of the dry density as determined by the Texas Highway Department test procedure TEX-113-E.
- Beam soffits shall penetrate the compacted exposed subgrade surface a minimum of 6".
- Waterproofing below all slab areas shall be equal to 6 mil "visqueen" with all joints lapped 12".
- All reinforcing steel shall be continuous with splices lapped 40 diameters. Grade 60 KSI.
- All concrete shall develop 3000 PSI in compression in 28 days (minimum cement content equals 4.5 SKS/cu.yds.)
- All concrete shall receive "pozzolith" admix as per manufacturers specifications.
- All conduit or plumbing lines in slab shall be placed below slab reinforcing.
- Backfill around perimeter to provide positive drainage away from slab a minimum of 15" in all directions.
- Provide a minimum concrete cover over all reinforcing 1 1/2".
- Provide #4 "z" bars @ 12" o.c. where slab steps down. "z" bars to lap main slab reinforcing 40 diameters.
- All openings in slab (for piping, tub trap, etc.) shall be sealed with 12" min. of hot tar or asphalt.

TILT-UP CONCRETE PANELS

- All concrete shall develop a minimum comp. strength of 2400 psi before lifting is begun. Minimum 28-day compressive strength shall be 3000 psi.
- All reinforcing steel shall be continuous with all splices lapped 40 diameters. All reinf. steel shall comply with the requirements of ASTM A-615, Grade 60.
- All lifting inserts shall be "Richmond Maxilift" inserts (or equal).
- Use "silica seal" form release bond breaker on interface between slab and wall panels before placing concrete for wall panels.
- Provide 2 #5 bars around perimeter of all openings and/or indentations and extend bars 24" minimum past openings.
- Provide 3 #4x48" diagonal bars at all corners of openings.
- Provide 3 #4 bars each way at all pick-up points in addition to typical reinforcement. (Bars to be full length of width of panel.)
- Provide 2 #5 bottom of panel 36" x 36".
- Panel dimensions shown on panel elevations are nominal. (Include 1/2" joint between panels.)
- Panel height shall be 1" less than height detailed on panel elevations to allow for shimming. Shimming material shall be 4"x4" minimum steel plate thickness as required for plumbness of panel.
- Verify size and locations of all openings required in panels prior to placing concrete.
- Provide temporary wall bracing, minimum 2 per panel, to resist temporary excess loads. (See "Richmond Maxi-Brace" Manual.) Provide anchors in floor slab/foundation for same temporary bracing. Bracing to remain in place until final wall and roof connections have been made, provide 3 per panel if panel width is greater than 25'0".
- Provide #4 bent dowels at 24" o.c. from wall to foundation slab.

Typical Wall Panel Reinforcement shall be centered in panel thickness. Reinforcement shall be:

- #4 at 12" o.c. vertical
 - #4 at 12" o.c. horizontal
- Panel elevations are drawn looking at the inside of the panel.
 - Mitered panel edges not shown on elevations. Refer to plans.
 - To avoid cracking and damaging of concrete panels, provide strongback shore arrangement (see "Richmond" Tilt-up Construction handbook).

STEEL ROOF DECK

- Roof deck shall be Tensilyent 75 - 26 gage galvanized form deck as manufactured by Wheeling Corrugating Company or approved equal.
- End laps shall be a minimum of 2" and shall always occur over supports. Side laps shall require a minimum of one-half flute.
- Deck units shall be attached to the structural supports at end lap joints by welds not less than 3/4 inches in diameter, spaced not more than 12 inches o.c. across the width. Attachment at interior supports shall be by welds not less than 3/4 inches in diameter spaced not more than 18 inches o.c. across the width. Welds shall penetrate all thicknesses of material.
- Side laps of adjacent units shall be fastened by tack welding at not more than 33 inches o.c., located at structural supports and at appropriate intervals between.

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SUPER "S" GROCERY STORE
GERALD W. WILEY, INC.
UVALDE & BANDERA, TEXAS

date:
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drawn by: JB
checked by:
revisions:

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