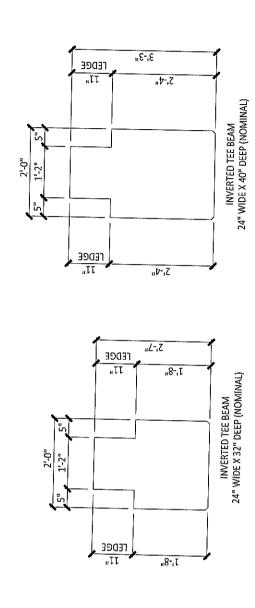
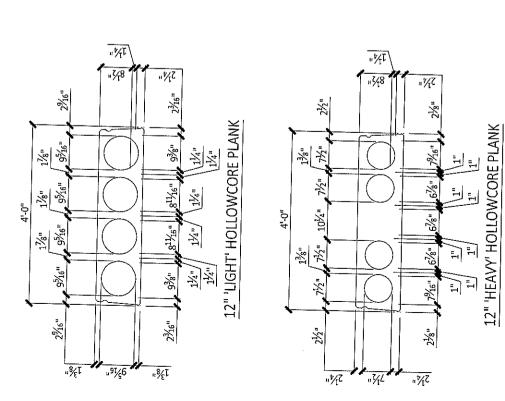


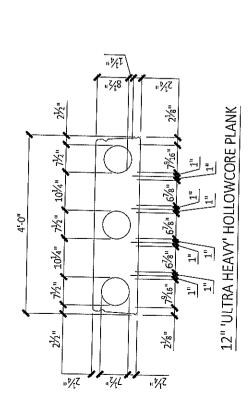
BEAM FRAME SLIGHNENT 2 CONCRETE B WELL Bear 2 levels (24IT40) 241732 241732) 24 1740 241532 _0-5" -0'-5" 05" 1-911 1/911 11-8" DETAIL 3W SEE 11-8 DETAGL 2-4" coucrete wall -60mm 16" 16" ALL COUNTS PRELAST COWNN SECTION 6-4 SECTION B-B CORBERS (pretiminary 1-2" 16" 3 E CI 16" ERBEL 21-0" COLUMN 16" x 16" 2'-0" 1611 STEEL BEAM BLIGHMENT I. BEAN POCKET. -0'-5" STEEL BEAN -INVECTED T BEAN 24IT32. CHU WALL W18×119 11" 2011 fleding motor base plate. SECTION C-C base larding mortal anchor bolts CONCRETE 45/8" 1911 COLUMN -anchor bolts

16"

11 1/1







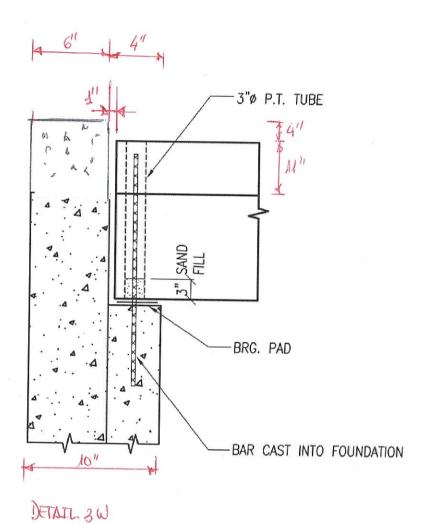


Figure 142 Inverted tee beam to basement wall

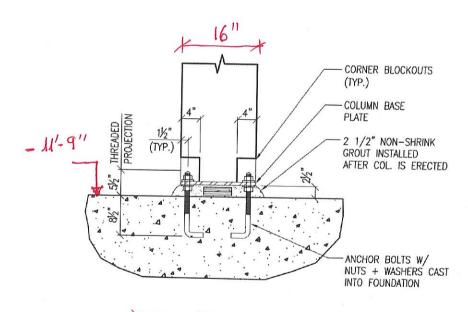
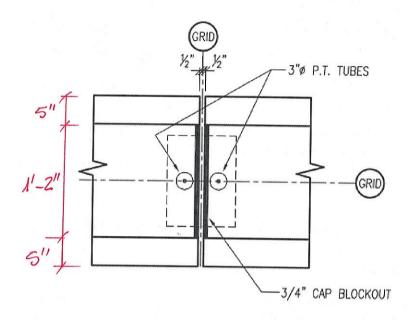


Figure 15: Column to foundation



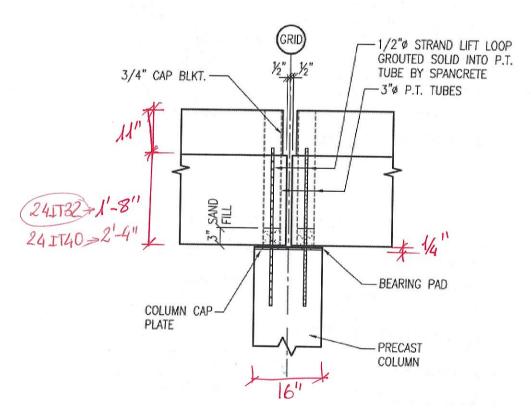
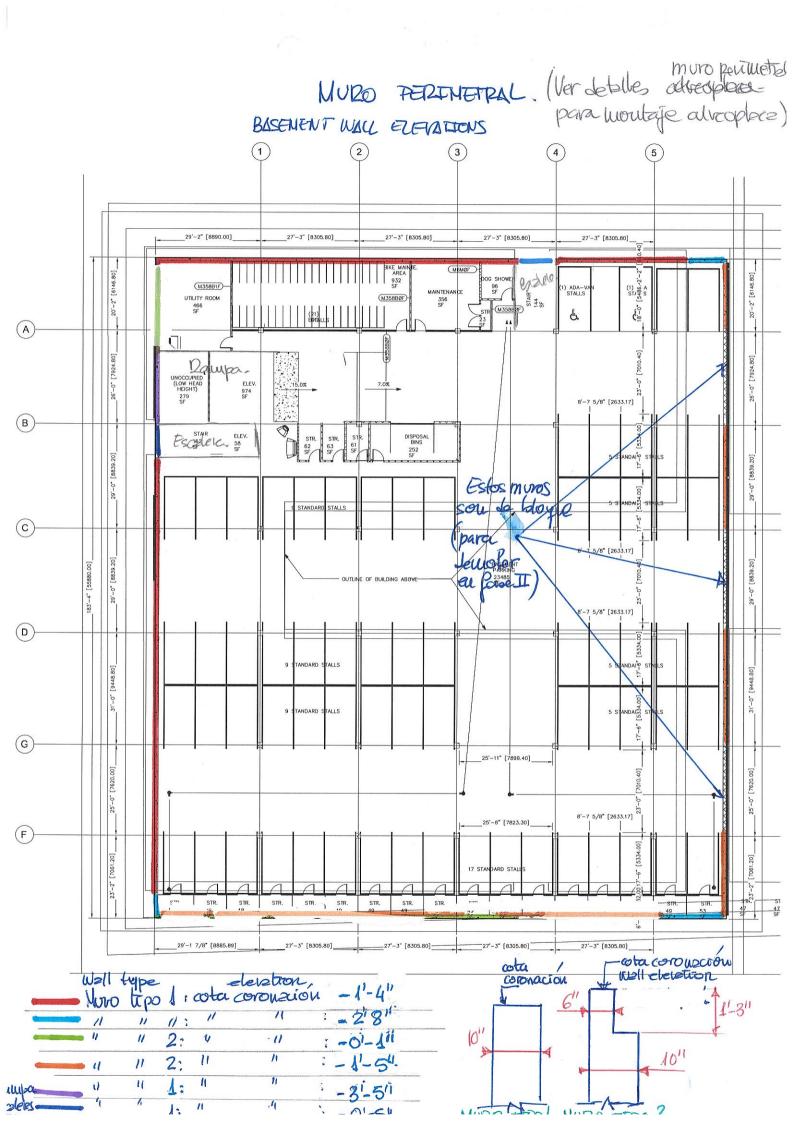
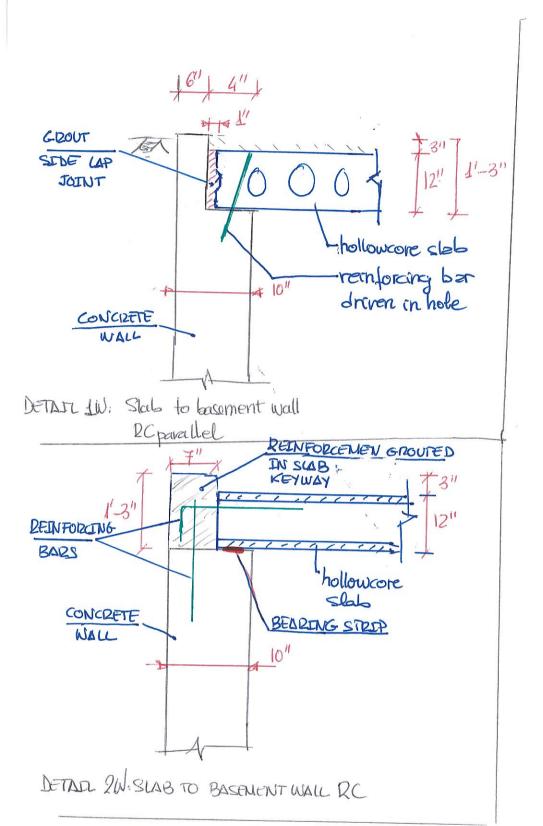


Figure 13: Inverted tee beam to column



DETALLES MURO PERINETRAL.



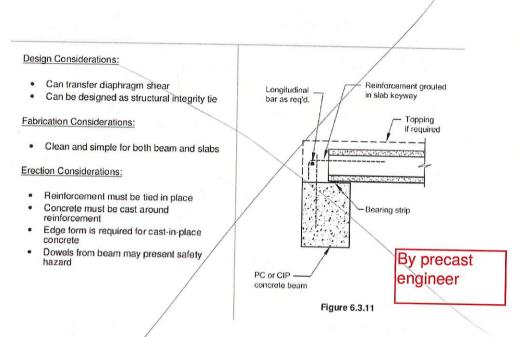


Figure 5: Slab to basement wall (RC beam over CMU)

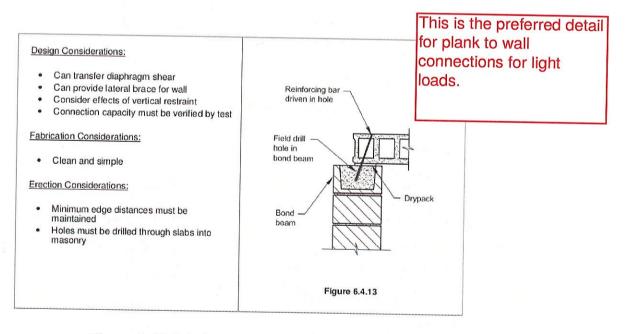


Figure 6: Slab to basement wall CMU parallel

Design Considerations:

- Can transfer diaphragm shear
- Provides lateral brace for steel beam
- Potential torsion on steel beam should be considered
- Will develop volume change restraint forces that must be considered in design of connection

Fabrication Considerations:

Slab manufacturing system must allow for installation of bottom weld anchors

Erection Considerations:

- Welding of slabs to beam should be done as erection proceeds to brace beam
- Spacer may be required to make weld

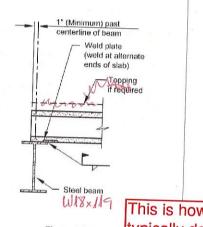


Figure 6.5.4

This is how we typically detail

Figure 10: Slab to steel beam single

Detail H1

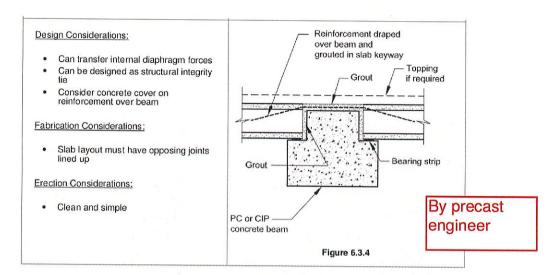
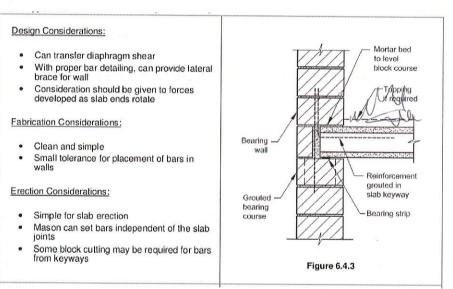


Figure 2: Slab to inverted tee beam



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DETAIL 4W

Figure 3: Slab to ramp wall CMU

Design Considerations:

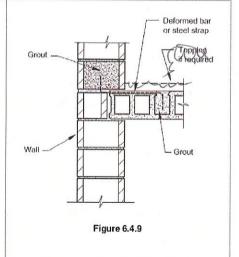
- · Can transfer diaphragm shear
- Can provide lateral brace for wall
- Consideration should be given to forces developed from deflection or camber growth
- · Consider axial load path

Fabrication Considerations:

- If not done in field, slots and holes must be cut for steel
- In stack casting system, slots and holes might not be practically cut in plant

Erection Considerations:

- · Allowance must be made for slab camber
- If not done in plant, holes and slots must be cut for steel
- Wall is not braced until steel is grouted



more perindral detalle le.



JETAJI SW

Figure 4: Slab to ramp wall CMU parallel

Design Considerations: Reinforcement grouted Can transfer diaphragm shear Løngitudinal in slab keyway Can be designed as structural integrity tie bar as reg'd. Topping Fabrication Considerations: if required · Clean and simple for both beam and slabs Erection Considerations: Reinforcement must be tied in place Bearing strip Concrete must be cast around reinforcement Edge form is required for cast-in-place concrete Dowels from beam may present safety hazard PC or CIP **#wall** Figure 6.3.11

Figure 7: Slab to basement wall RC Grout side **Design Considerations:** lap joint Wall thrust from earth pressure can be resisted Can transfer diaphragm shear only with special detailing of keyway and reinforcement For long spans consider effects of restraint of vertical movement Fabrication Considerations: We would · Clean and simple PC or CIP dowel this as **Erection Considerations:** well Edge joint must be grouted which may not be standard practice Figure 6.4.10

Figure 8: Slab to basement wall RC parallel

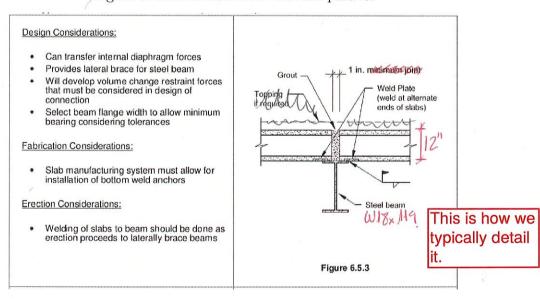


Figure 9: Slab to steel beam double

