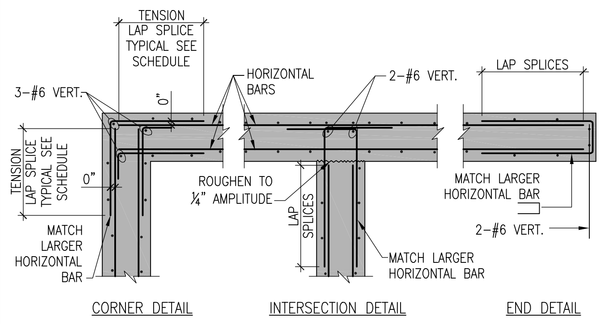
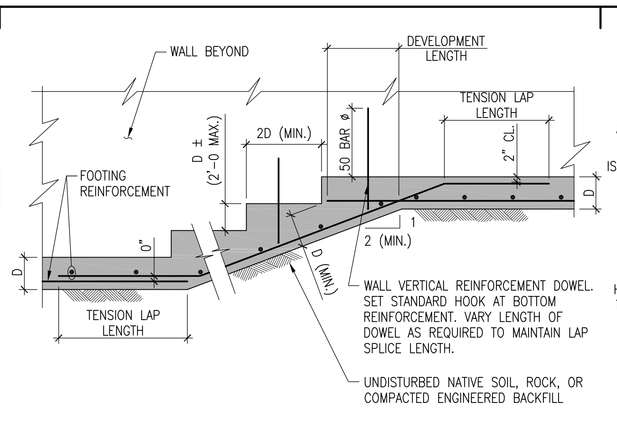


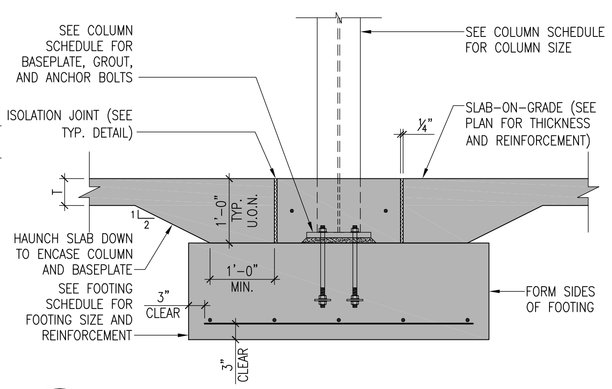
TC–1 HORIZONTAL WALL REINFORCEMENT DETAILS

N.T.S.



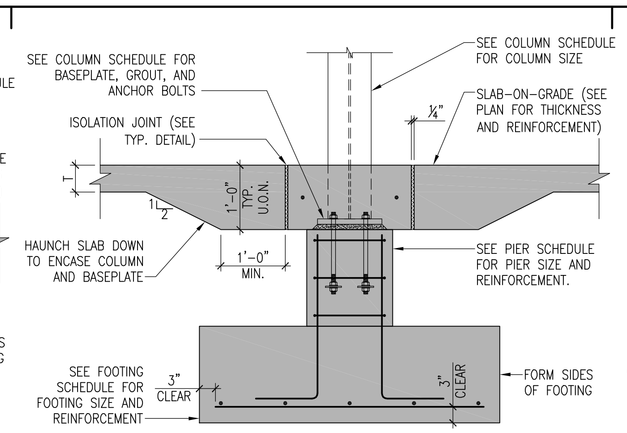
TC–2 STEPPED WALL FOOTING

N.T.S.



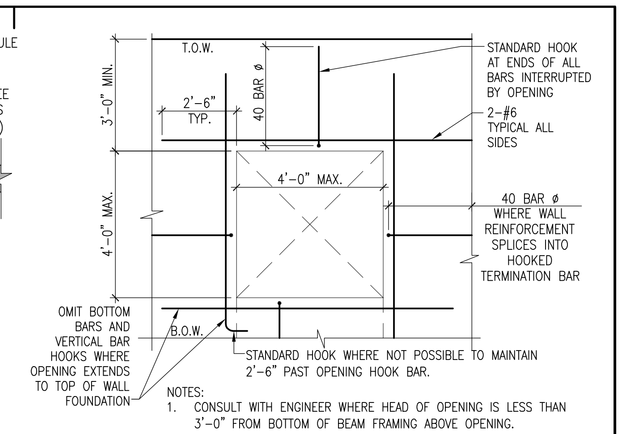
TC–3 INTERIOR STEEL COLUMN FOOTING

N.T.S.



TC–4 INTERIOR STEEL COLUMN FOOTING WITH PIER

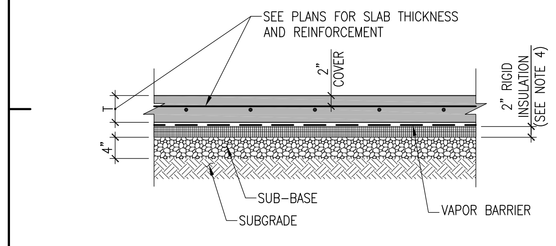
N.T.S.



NOTES:
1. CONSULT WITH ENGINEER WHERE HEAD OF OPENING IS LESS THAN 3'–0" FROM BOTTOM OF BEAM FRAMING ABOVE OPENING.

TC–5 TYPICAL REINFORCEMENT AT OPENINGS

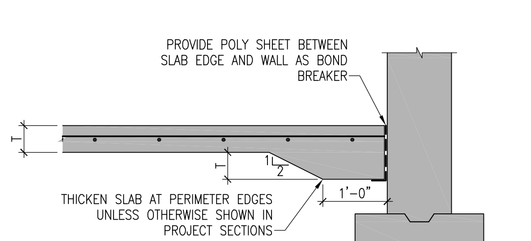
N.T.S.



NOTES:
1. PROVIDE #4 SUPPORT BARS AT 4'–0" OC SUPPORTED OFF GRADE WITH PRECAST SUPPORTS AT 4'–0" OC.
2. SEE SPECIFICATIONS FOR VAPOR BARRIER.
3. SEE SPECIFICATIONS FOR SUB–BASE AND/OR SUBGRADE REQUIREMENTS.
4. ADD RIGID INSULATION LAYER WHERE NOTED ON PLAN. USE 2 LAYERS AND STAGGER SEAMS. EXTEND 4'–0" BEYOND SLAB EDGE.

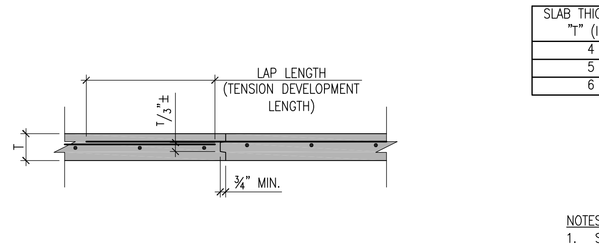
TC–6 TYPICAL SLAB–ON–GRADE DETAIL

N.T.S.



TC–6A THICKENED SLAB–ON–GRADE AT PERIMETER EDGES

N.T.S.

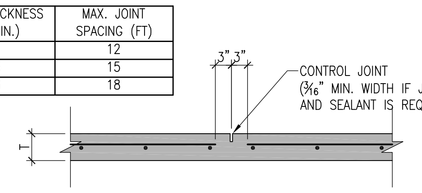


NOTES:
1. SUBMIT LOCATIONS OF CONSTRUCTION JOINTS FOR APPROVAL.
2. ALLOW A MINIMUM OF 72 HOURS BETWEEN ADJACENT POURS.

TC–7 SLAB–ON–GRADE CONSTRUCTION JOINT

N.T.S.

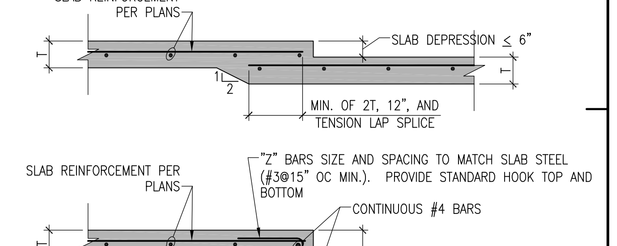
SLAB THICKNESS "T" (IN.)	MAX. JOINT SPACING (FT)
4	12
5	15
6	18



NOTES:
1. SAW CUT MIN. 1" DEEP JOINT WITH EARLY ENTRY SAW AS SOON AS POSSIBLE AFTER FINISHING SLAB. (4 TO 8 HOURS MAX. – PROPER TIMING IS DICTATED BY THE RATE OF CONCRETE HARDENING)
2. MAXIMUM SPACING OF JOINTS IN FEET IS 3–TIMES THE SLAB THICKNESS IN INCHES (SEE CHART).
3. LOCATE CONTROL JOINTS ON A RECTANGULAR GRID AND SUBMIT LAYOUT OF CONTROL JOINTS FOR APPROVAL UNLESS JOINT LOCATIONS ARE OTHERWISE SPECIFIED. NO RE–ENTRANT CORNERS ARE PERMITTED.
4. DETAIL REINFORCEMENT TO STOP AT JOINTS.
5. SEE SPECIFICATIONS FOR JOINT FILLER AND SEALANT REQUIREMENTS.

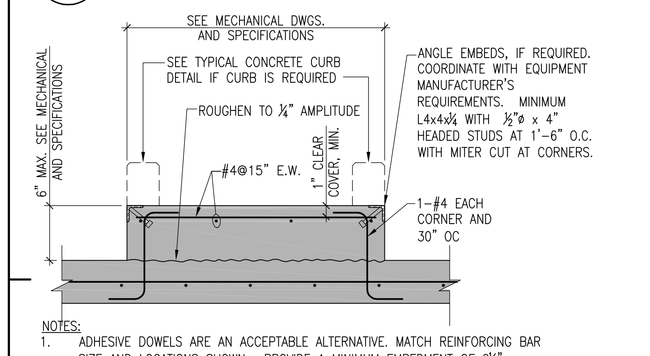
TC–8 CONTROL JOINT IN SLAB–ON–GRADE

N.T.S.



TC–9 DEPRESSIONS AT SLAB–ON–GRADE

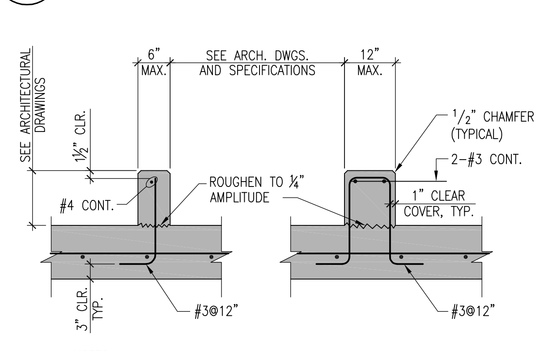
N.T.S.



NOTES:
1. ADHESIVE DOWELS ARE AN ACCEPTABLE ALTERNATIVE. MATCH REINFORCING BAR SIZE AND LOCATIONS SHOWN. PROVIDE A MINIMUM EMBEDMENT OF 2½".
2. PROVIDE 1" CHAMFER IF CONTINUOUS STEEL ANGLES ARE NOT REQUIRED.

TC–10 EQUIPMENT PAD AT SLAB–ON–GRADE

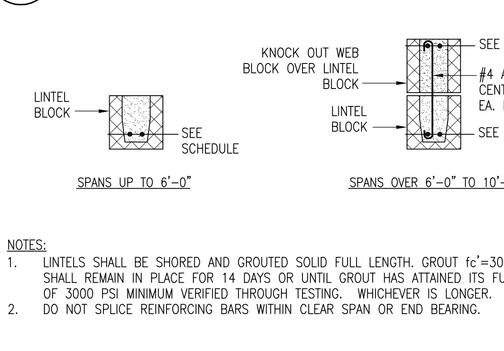
N.T.S.



NOTES:
1. ADHESIVE DOWELS ARE AN ACCEPTABLE ALTERNATIVE. MATCH REINFORCING BAR SIZE AND SPACING SHOWN. PROVIDE A MINIMUM EMBEDMENT OF 2½".

TC–11 CONCRETE CURB

N.T.S.



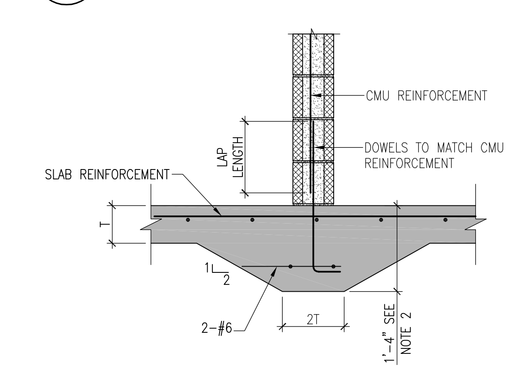
NOTES:
1. LINTELS SHALL BE SHORED AND GROUTED SOLID FULL LENGTH. GROUT f'c'=3000 PSI MINIMUM. SHORING SHALL REMAIN IN PLACE FOR 14 DAYS OR UNTIL GROUT HAS ATTAINED ITS FULL COMPRESSIVE STRENGTH OF 3000 PSI MINIMUM VERIFIED THROUGH TESTING. WHICHEVER IS LONGER.
2. DO NOT SPLICE REINFORCING BARS WITHIN CLEAR SPAN OR END BEARING.

TC–12 REINFORCED LINTELS FOR CMU WALLS

N.T.S.

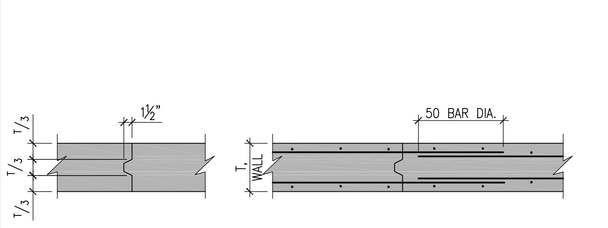
REQUIRED REINFORCEMENT FOR CLEAR SPAN

CLEAR SPAN (L) FEET	6" WALL	8" WALL	10" WALL	12" WALL	END BEARING
< 4'–0"	(2) #4	(2) #4	(2) #4	(2) #4	8"
< 5'–0"	(2) #4	(2) #4	(2) #4	(2) #4	8"
< 6'–0"	(2) #5	(2) #5	(2) #5	(2) #5	8"
< 7'–0"	(2) #5	(2) #5	(2) #5	(2) #5	16"
< 8'–0"	(2) #6	(2) #6	(2) #6	(2) #6	16"
< 9'–0"	(2) #6	(2) #6	(2) #6	(2) #6	16"
< 10'–0"	(2) #7	(2) #7	(2) #7	(2) #7	16"
< 11'–0"	(2) #7	(2) #7	(2) #7	(2) #7	16"
< 12'–0"	(2) #8	(2) #8	(2) #8	(2) #8	16"
< 13'–0"	(2) #8	(2) #8	(2) #8	(2) #8	16"
< 14'–0"	(2) #8	(2) #9	(2) #9	(2) #9	16"



TC–13 THICKENED SLAB–ON–GRADE AT MASONRY PARTITIONS

N.T.S.

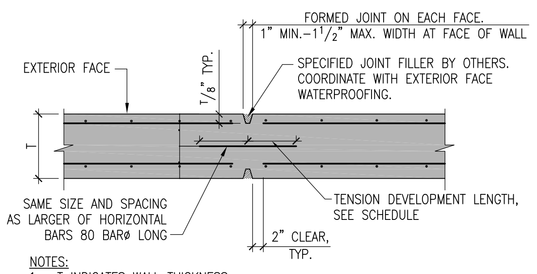


TYPICAL KEY

NOTES:
1. 60' MAXIMUM SPACING TO NEXT CONTROL OR CONSTRUCTION JOINT.

TC–14 VERTICAL CONSTRUCTION JOINT IN CONCRETE WALL

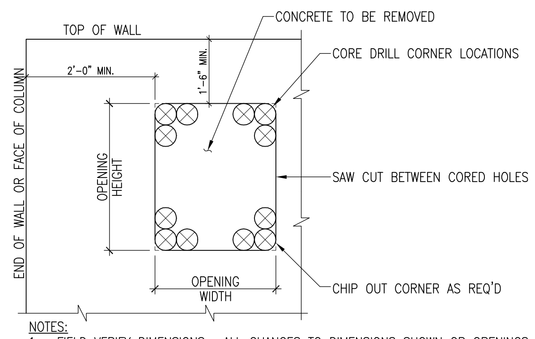
N.T.S.



NOTES:
1. T INDICATES WALL THICKNESS.
2. 60' MAXIMUM SPACING BETWEEN CONTROL AND/OR CONSTRUCTION JOINTS.
3. PROVIDE JOINTS WITHIN 5 FT. OF ALL CORNERS AND/OR INTERSECTIONS.

TC–15 VERTICAL CONTROL JOINT

N.T.S.



NOTES:
1. FIELD VERIFY DIMENSIONS. ALL CHANGES TO DIMENSIONS SHOWN OR OPENINGS LARGER THAN 6'–0" MUST BE APPROVED IN WRITING BY EOR.
2. MASONRY OPENINGS MUST HAVE LOOSE LINTEL PER TYPICAL SCHEDULE.

TC–16 TYPICAL OPENING DETAIL THRU (E) CONCRETE WALL

OPENING THRU (E) MASONRY OPENING SIM.

N.T.S.

General Notes:

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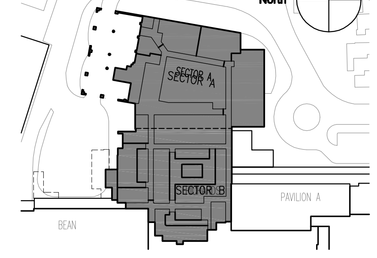

Key Plan

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Maine Medical Center
ED Expansion and Renovation
Portland, Maine MMC Project No. 21843

Drawing Title

TYPICAL CONCRETE DETAILS

Drawn By	MJB	Commission No.	4696
Approved By	JHT	Date Issued	12/14/07

Phase / Package Number	Sheet Number
	S100

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