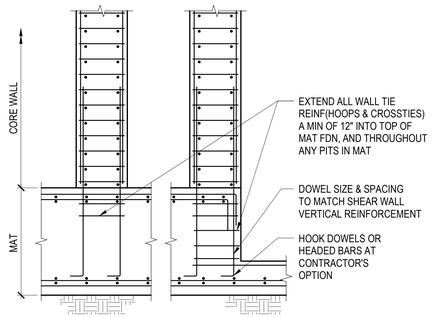
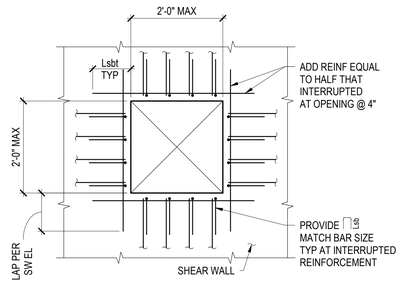


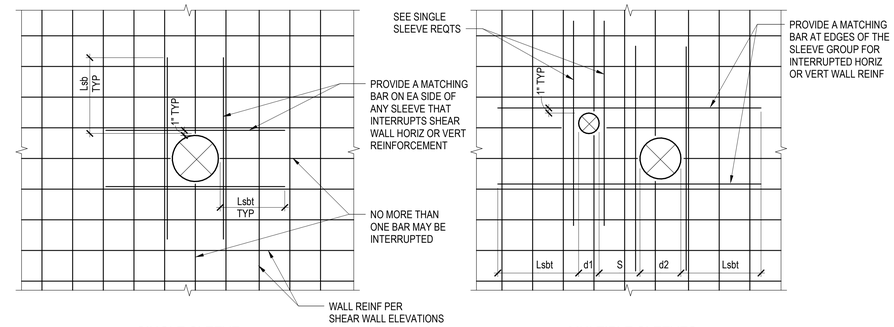
1 TYPICAL SHEAR WALL DOWEL



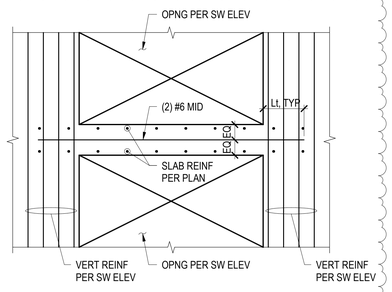
2 TYPICAL SMALL SHEAR WALL OPENING

NOTES:

1. MULTIPLE SLEEVES CONFIGURATION IS SHOWN FOR INTERRUPTED FIELD HORIZONTAL REINFORCEMENT. DETAIL IS SIMILAR FOR INTERRUPTED FIELD VERTICAL REINFORCEMENT. NO COUPLING BEAM REINFORCEMENT MAY BE INTERRUPTED BY SLEEVES.
2. DETAIL APPLIES FOR SLEEVES UP TO 12" DIAMETER. ALL SLEEVES TO BE MINIMUM 4'-0" FROM EDGE OF SHEAR WALLS.
3. "S" SHALL BE EQUAL OR GREATER THAN THE GREATER OF d1, d2, OR 3". IF REQUIRED LAYOUT CANNOT CONFORM TO THESE REQUIREMENTS, CONSIDER GROUPING AS ONE COMBINED OPENING AND REFER TO THE "TYPICAL SMALL SHEAR WALL OPENING" DETAIL.
4. ALL SLEEVES NOTES SHOWN ON SHEAR WALL ELEVATIONS SHALL BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL.

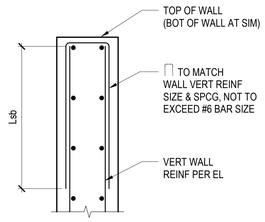


3 TYPICAL SLEEVE PLACEMENT REQUIREMENTS IN SHEAR WALLS



TYP SLAB WITHOUT COUPLING BEAM AT STACKED WALL OPENINGS

13

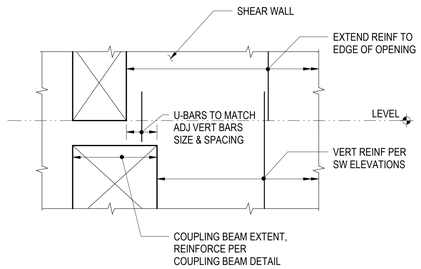


WALL TOP AND BOTTOM

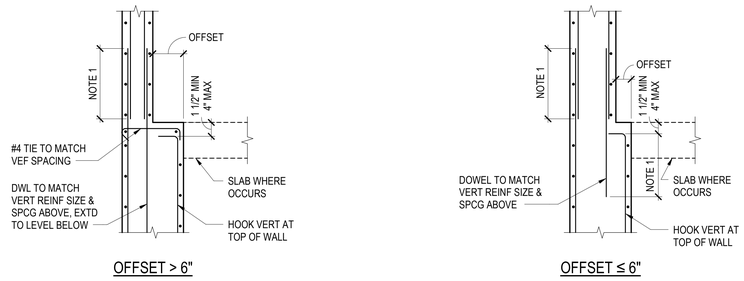
NOTES:

1. SEE "SHEAR WALL SECTIONS" FOR FURTHER REQUIREMENTS.

7 TYP SHEAR WALL EDGE REINFORCEMENT



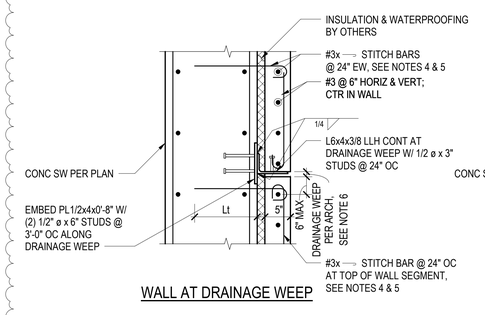
8 TYPICAL CONC WALL OPENING TRANSITION



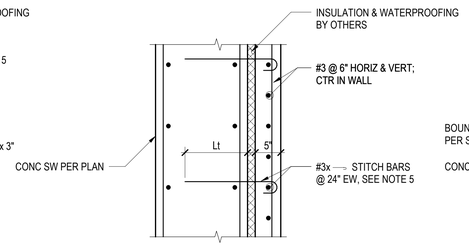
NOTES:

1. SEE THE SHEAR WALL REINFORCEMENT NOTES FOR LAP LENGTH.
2. SEE PLAN AND WALL ELEVATIONS FOR ADDITIONAL INFORMATION.

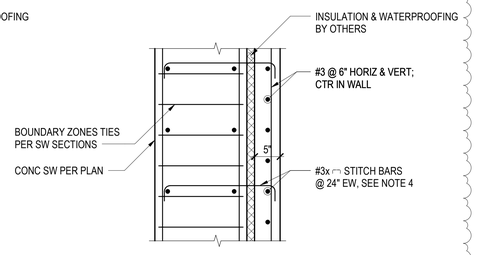
9 TYPICAL REINFORCEMENT AT WALL THICKNESS CHANGE



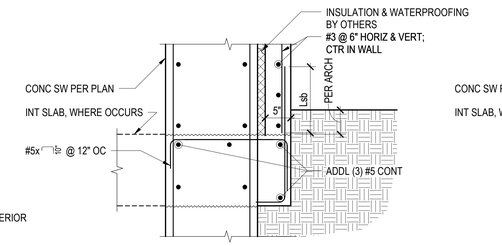
WALL AT DRAINAGE WEEP



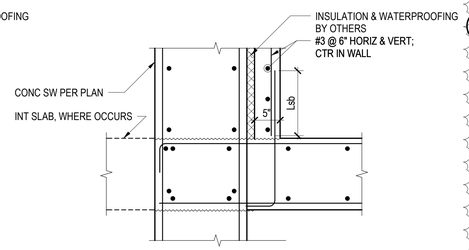
WALL AWAY FROM BOUNDARY ZONE



WALL AT BOUNDARY ZONE



BASE OF WALL AT PERIMETER WALL

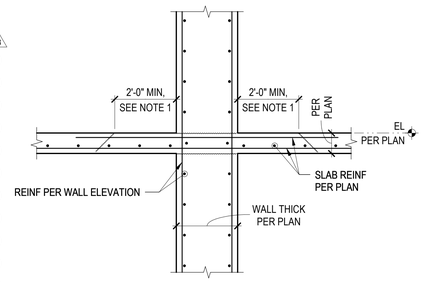


BASE OF WALL AT SLAB

NOTES:

1. DETAILS APPLY AT INSULATED BOARD-FORMED CONCRETE WALLS AROUND EXTERIOR PORTIONS OF CORE WALLS OF TOWERS A AND B.
2. GENERAL CONTRACTOR TO COORDINATE ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
3. WATERPROOFING BY OTHERS.
4. AT BOUNDARY ZONES PER SHEAR WALL SECTIONS, DOWELS FOR HORIZONTAL STITCH BARS ALONG HEIGHT OF THERMOMASS WALL ARE TO BE CAST-IN, WITH FORMSAVERS AS NEEDED. DRILL AND EPOXY NOT ACCEPTABLE.
5. AWAY FROM BOUNDARY ZONES, ACCEPTABLE FOR HORIZONTAL STITCH BARS TO BE CAST-IN OR DRILL AND EPOXY. AT CONTRACTOR'S OPTION, DRILL AND EPOXY TO BE 5-INCH MINIMUM EMBEDMENT WITH HILTI HY-200 OR APPROVED EQUAL. NO REBAR IN SHEAR WALLS IS TO BE DAMAGED BY DRILLING, AND ANY ABANDONED HOLES ARE TO BE FILLED WITH EPOXY OR GROUT.
6. CONCRETE TO BE UNINTERRUPTED VERTICALLY AT CORNERS AND ENDS OF WALLS FOR 3'-6" MINIMUM EACH LEG, WITH NO DRAINAGE WEEP.

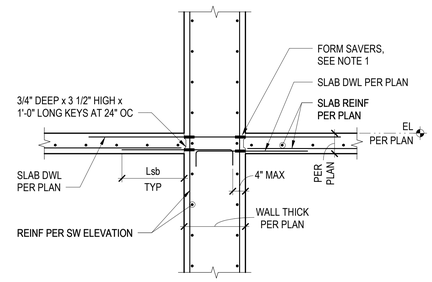
16 TYPICAL THERMOMASS AT CORE WALL DETAILS



NOTES:

1. WHERE SHEAR WALL f'c EXCEEDS SLAB f'c, PROVIDE SLAB CONCRETE WITH f'c TO MATCH AT ALL SHEAR WALL TO SLAB JOINTS. THE REMAINING FLOOR SLAB CONCRETE SHALL BE PLACED WHILE THE HIGHER STRENGTH CONCRETE IS STILL PLASTIC AND THE REGION SHALL BE ADEQUATELY VIBRATED TO PROVIDE PROPER INTEGRATION.

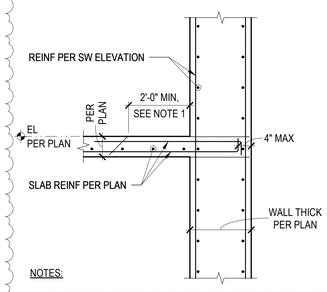
14 TYP SHEAR WALL TO CONTINUOUS SLAB



NOTES:

1. FORM SAVERS TO BE AT EACH END OF STRAIGHT BAR, OR AT CONTRACTOR'S OPTION, ACCEPTABLE TO PROVIDE HOOKS EACH SIDE IN LIEU OF STRAIGHT BAR.

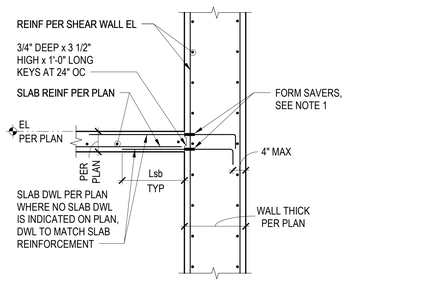
15 TYP JUMP-FORMED SW TO CONT SLAB



NOTES:

1. WHERE SHEAR WALL f'c EXCEEDS SLAB f'c, PROVIDE SLAB CONCRETE WITH f'c TO MATCH AT ALL SHEAR WALL TO SLAB JOINTS. THE REMAINING FLOOR SLAB CONCRETE SHALL BE PLACED WHILE THE HIGHER STRENGTH CONCRETE IS STILL PLASTIC AND THE REGION SHALL BE ADEQUATELY VIBRATED TO PROVIDE PROPER INTEGRATION.

19 TYPICAL SHEAR WALL TO SLAB AT OPENING



NOTES:

1. FORM SAVERS SHALL HAVE Ld STRAIGHT EMBED OR HOOK WITH Ldh EMBED WHERE WALL THICKNESS WILL NOT ALLOW FULL Ld DISTANCE.

20 TYP JUMP-FORMED SW TO SLAB AT OPNG

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Reserved for permit stamp

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8	04/04/2025	ASI-009
	04/08/2024	IFC SET 1 OF 3
	11/18/2022	95% CD

IFC SET 2 OF 3

05/17/2024

TYPICAL SHEAR WALL DETAILS

S4.08