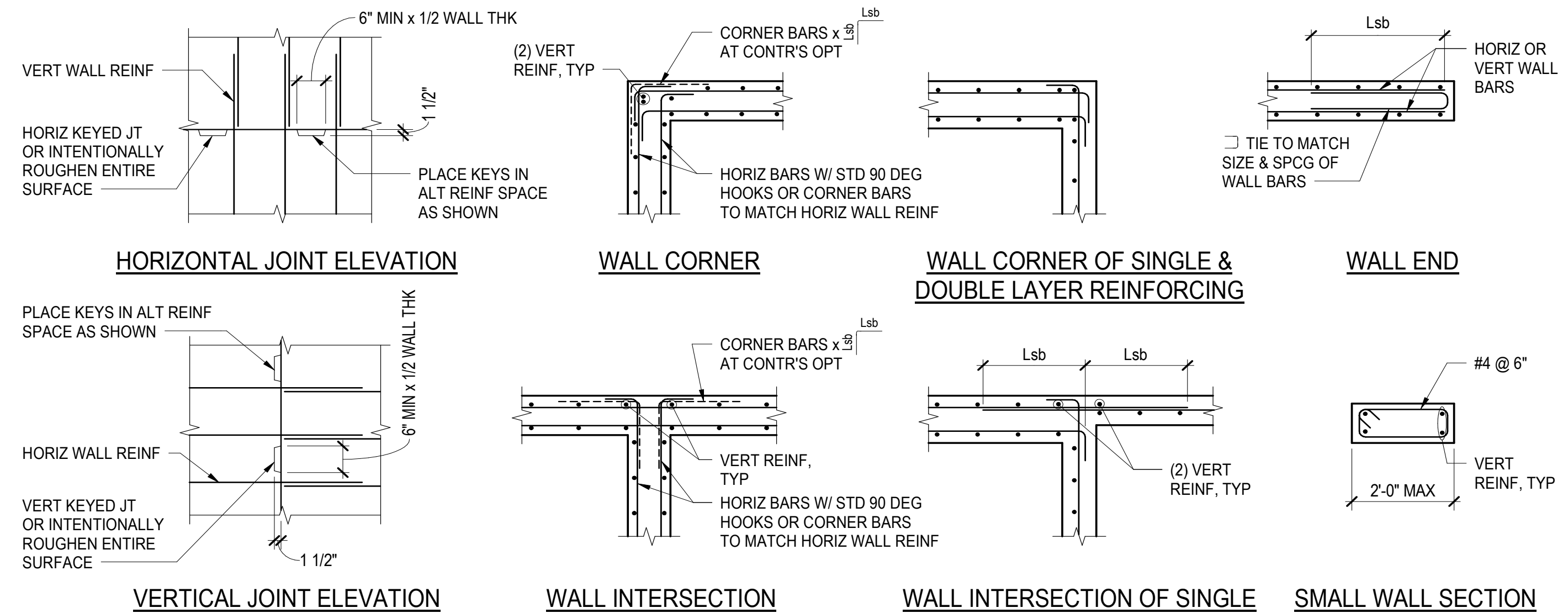


NOTES:

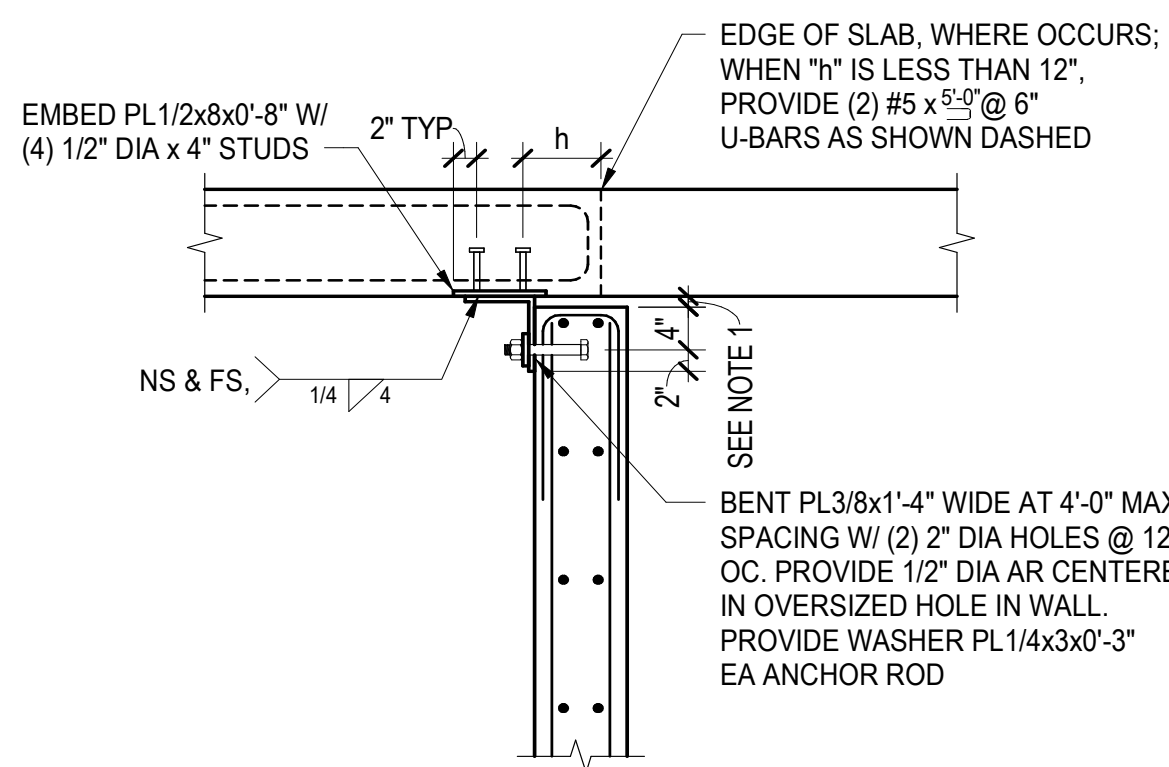
- UNLESS NOTED OR SHOWN OTHERWISE, ALL WALLS ARE TO BE REINFORCED WITH MINIMUM REINFORCEMENT AS SHOWN IN THE FOLLOWING TABLE:

| MINIMUM WALL REINFORCEMENT | | | |
|----------------------------|-----------------|---------------|------------|
| WALL THICKNESS | HORIZONTAL BARS | VERTICAL BARS | LOCATION |
| 6" & UNDER | #4 @ 12" | #4 @ 12" | CENTERLINE |
| OVER 6-8" | #5 @ 15" | #5 @ 15" | CENTERLINE |
| OVER 8-10" | #5 @ 12" | #5 @ 12" | CENTERLINE |
| OVER 10-12" | #4 @ 12" | #4 @ 12" | EACH FACE |
| OVER 12-14" | #5 @ 18" | #5 @ 18" | EACH FACE |
| OVER 14-16" | #5 @ 15" | #5 @ 15" | EACH FACE |
| OVER 16-20" | #5 @ 12" | #5 @ 12" | EACH FACE |
| OVER 20-24" | #5 @ 10" | #5 @ 10" | EACH FACE |

- LAP VERTICAL WALL REINFORCING Lsb AND HORIZONTAL WALL REINFORCING Lsb AT SPLICES.
- ALL VERTICAL REINFORCING IN CONCRETE WALLS SHALL BE CONTINUOUS FROM STRUCTURAL FLOOR TO STRUCTURAL FLOOR, OR FROM FOOTING TO FIRST STRUCTURAL FLOOR ABOVE UNLESS NOTED OTHERWISE.
- START HORIZONTAL AND VERTICAL BARS 1 INCH CLEAR OF EDGE OF OPENINGS. SPACE REINFORCING BARS AT EQUAL SPACES NOT TO EXCEED REQUIRED SPACING.
- SMALL WALL SECTION DETAILS APPLY BOTH IN HORIZONTAL AND VERTICAL DIRECTIONS.
- WALL DETAILS APPLY TO FOUNDATION AND MISC CONCRETE WALLS SHOWN ON THE STRUCTURAL DRAWINGS. FOR APPLICATION TO OTHER WALLS, CONTACT THE ENGINEER FOR APPROVAL.



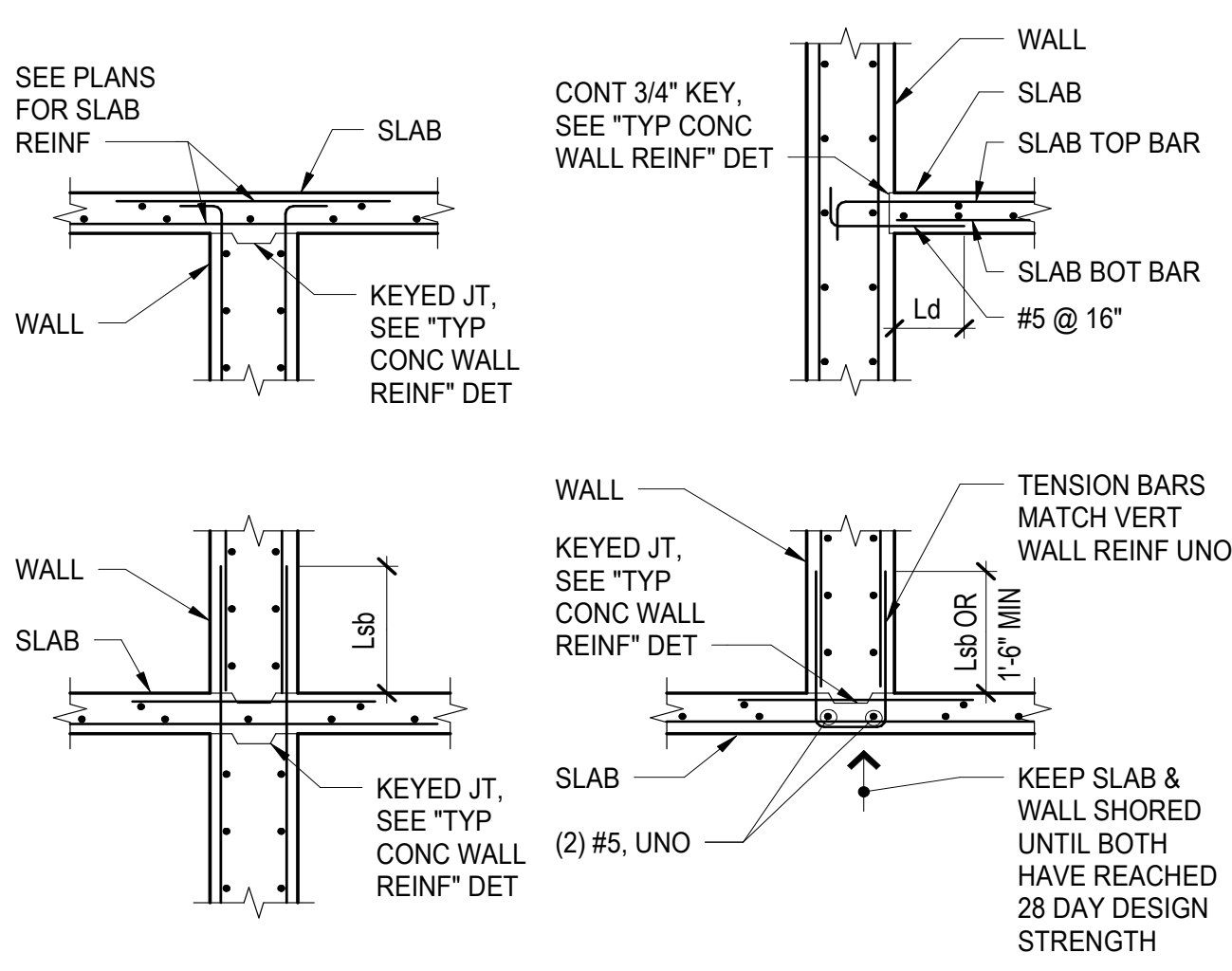
3 TYPICAL CONCRETE WALL REINFORCING



NOTES:

- PROVIDE 1 INCH CLEAR MINIMUM, 1-1/2 INCHES CLEAR MAXIMUM BETWEEN TOP OF WALL AND BOTTOM OF PLATE, DECK, OR FIREPROOFING ON BEAMS.
- MINIMUM (2) CONNECTIONS PER WALL. CONNECTIONS TO BE PROVIDED NO MORE THAN 18 INCHES FROM END OF CONCRETE WALL.

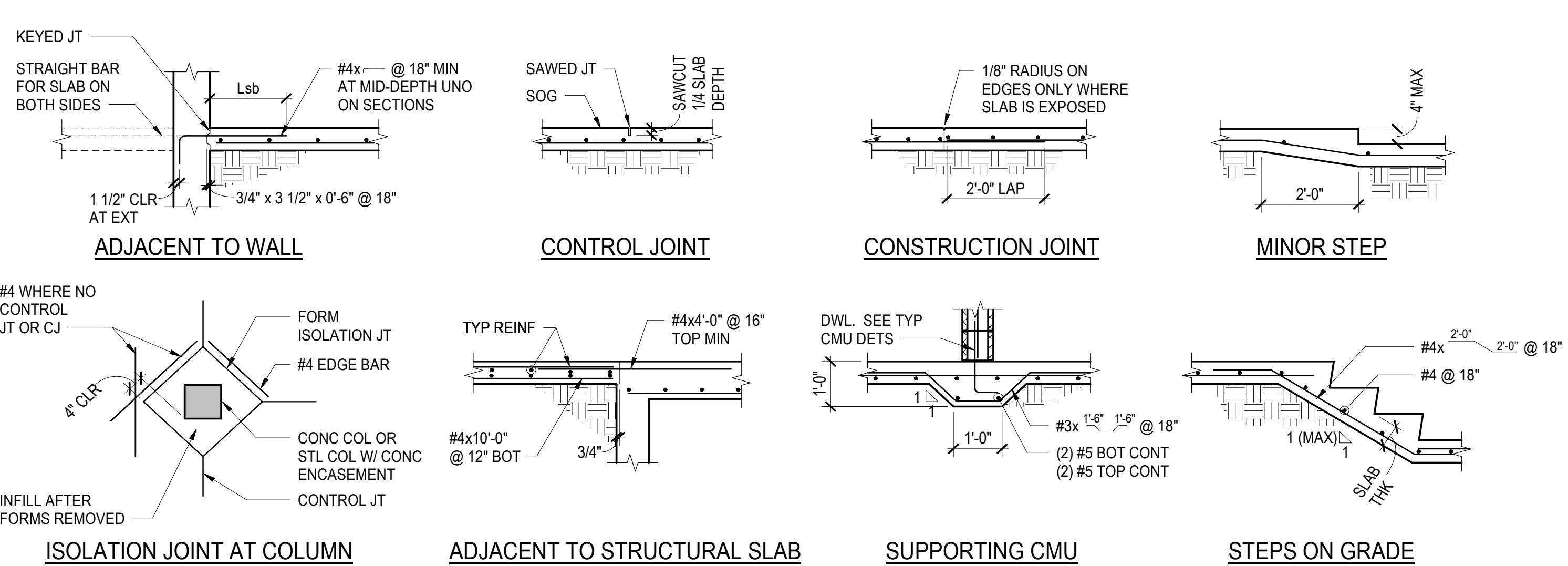
6 TYPICAL ONE-SIDED TOP OF NON-LOAD BEARING CONCRETE WALL DETAIL



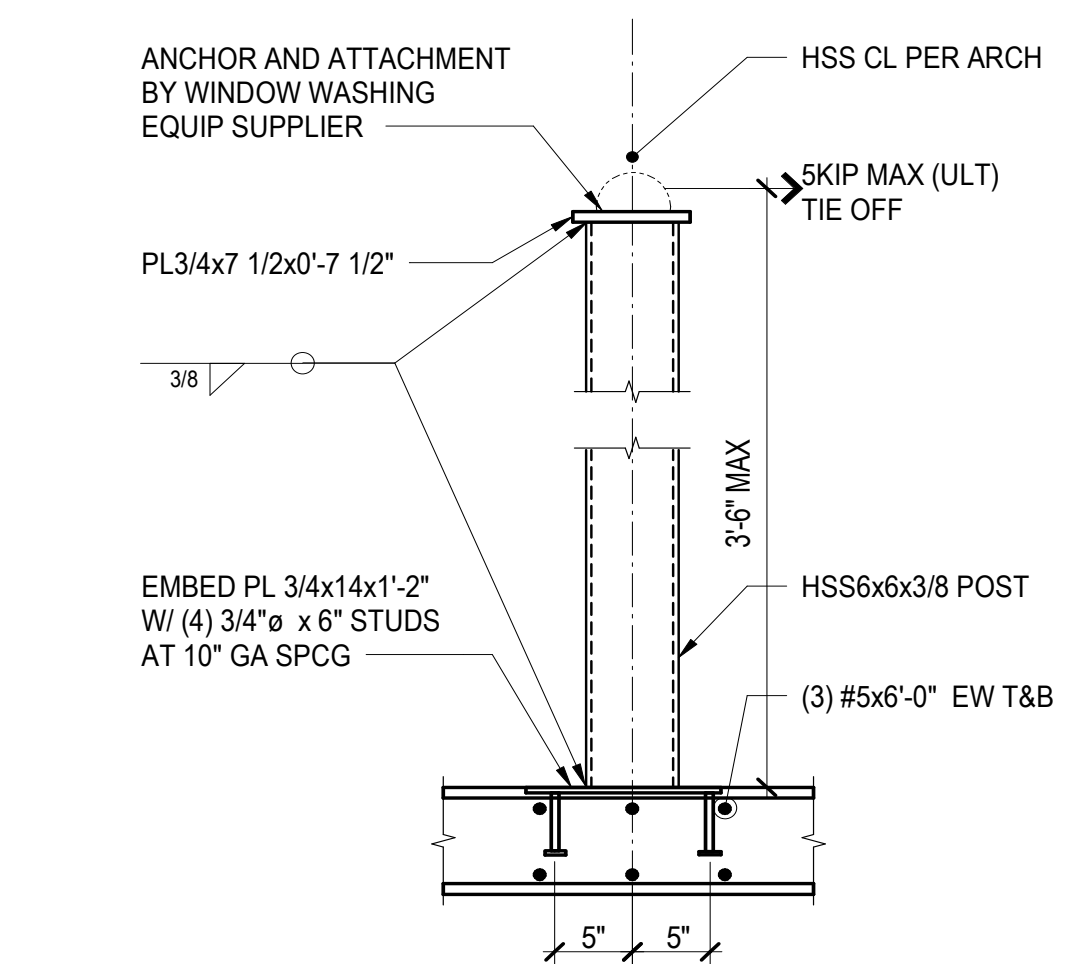
7 TYPICAL CONCRETE REINFORCING AT INTERSECTION OF SLABS AND WALLS

NOTES:

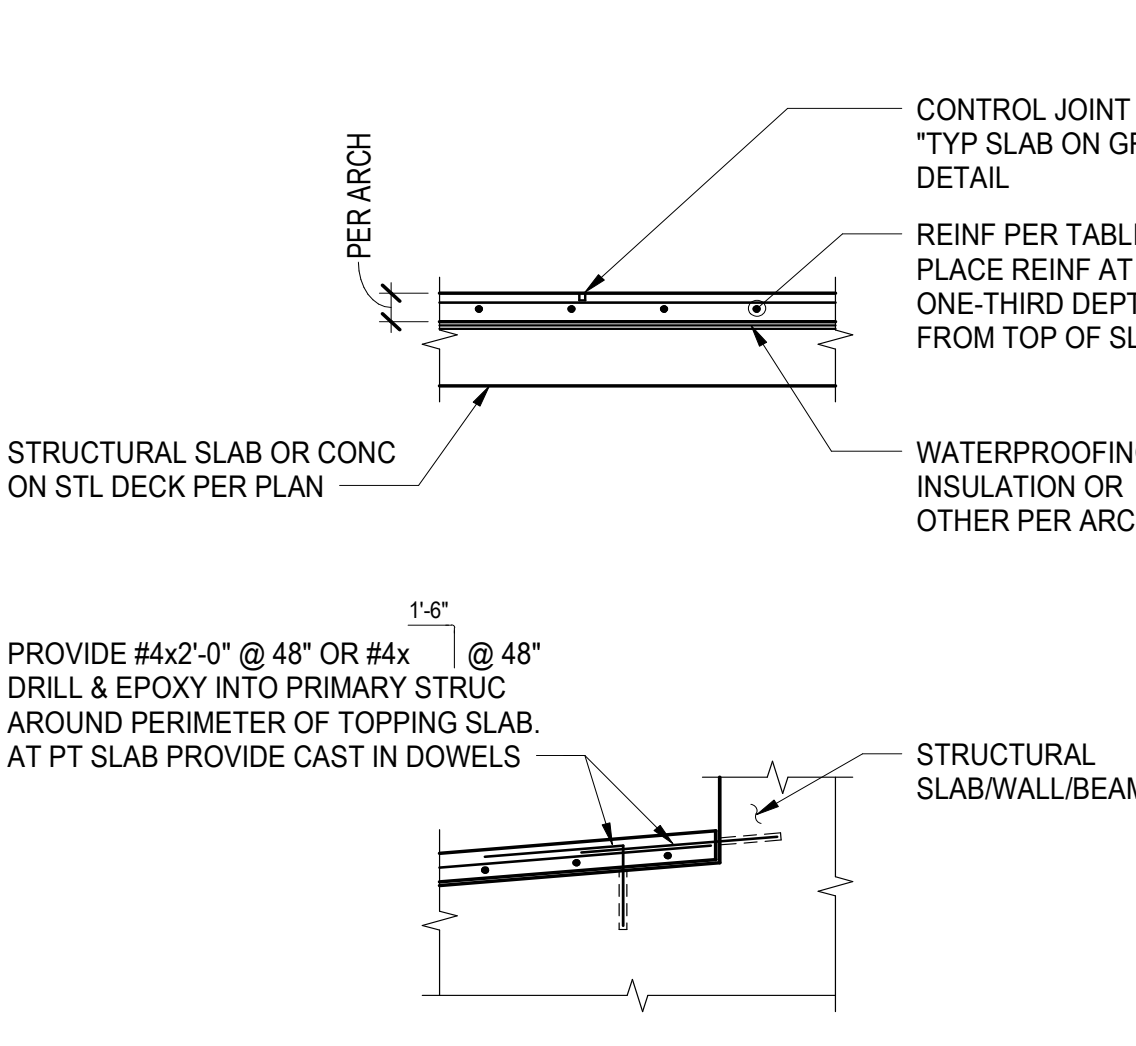
- SLAB ON GRADE IS 5 INCHES THICK UNLESS NOTED OTHERWISE.
- LOCATE CONSTRUCTION JOINTS UNDER PARTITIONS OR ON COLUMN LINES. PROVIDE CONTROL JOINTS ON ALL COLUMN LINES AND AT A MAXIMUM SPACING OF 30 x SLAB THICKNESS EACH WAY IN BETWEEN. PROVIDE CONTROL JOINTS AT ALL RE-ENTRANT CORNERS. CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO ARCHITECT FOR REVIEW.
- SAWED JOINTS SHALL BE MADE AS SOON AS THE CONTROL JOINT CAN BE CUT WITHOUT EDGES RAVELING AND WITHIN 24 HOURS OF SLAB PLACEMENT. SAWED JOINTS SHALL BE FILLED WITH SEALANT AS COORDINATED WITH THE ARCHITECT.
- LOCATE REINFORCING AT MID-DEPTH OF SLAB UNO.
- TYPICAL SLAB REINFORCING:
4" - 6" SLAB: #4 @ 18" EACH WAY
GREATER THAN 6" SLAB: #5 @ 18" EACH WAY BOT
#4 @ 18" EACH WAY TOP



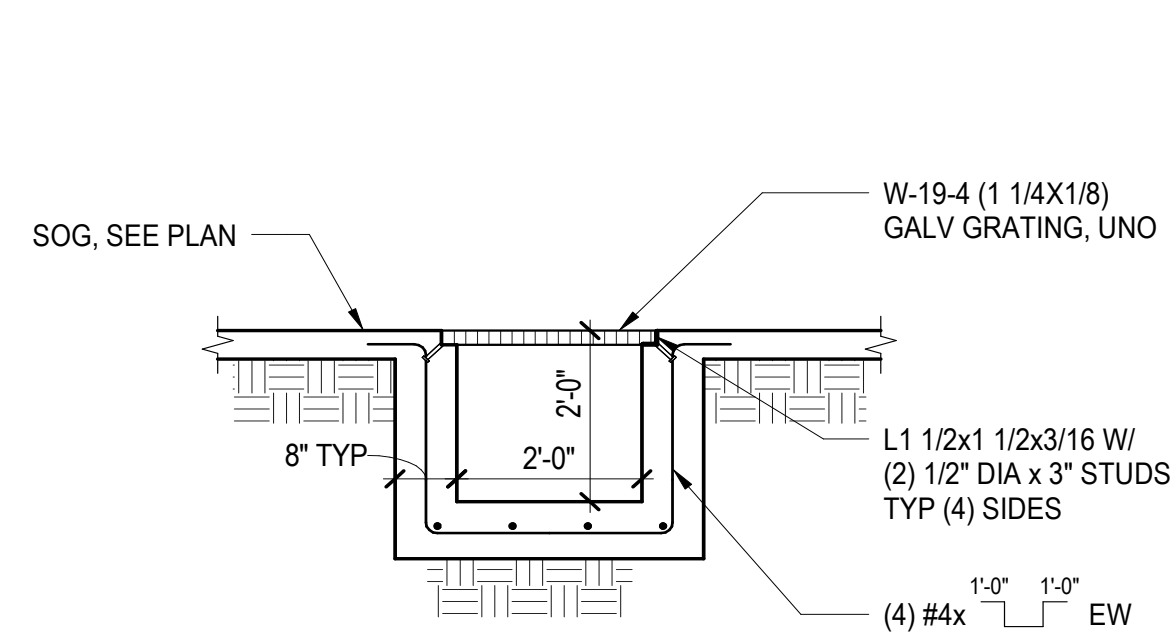
8 TYPICAL SLAB ON GRADE



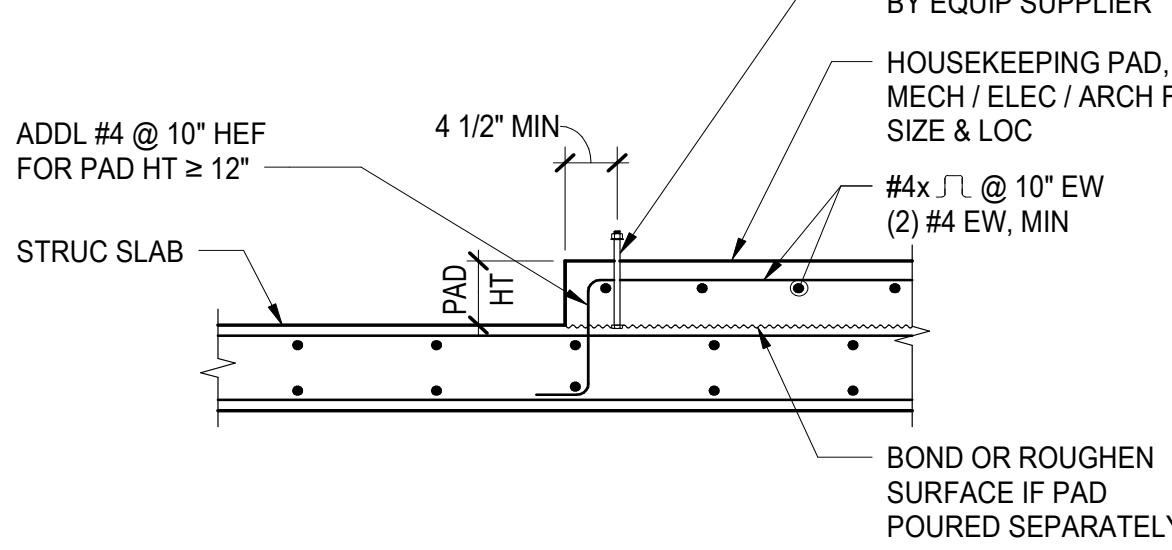
11 TYPICAL FALL ARREST POST



PERIMETER



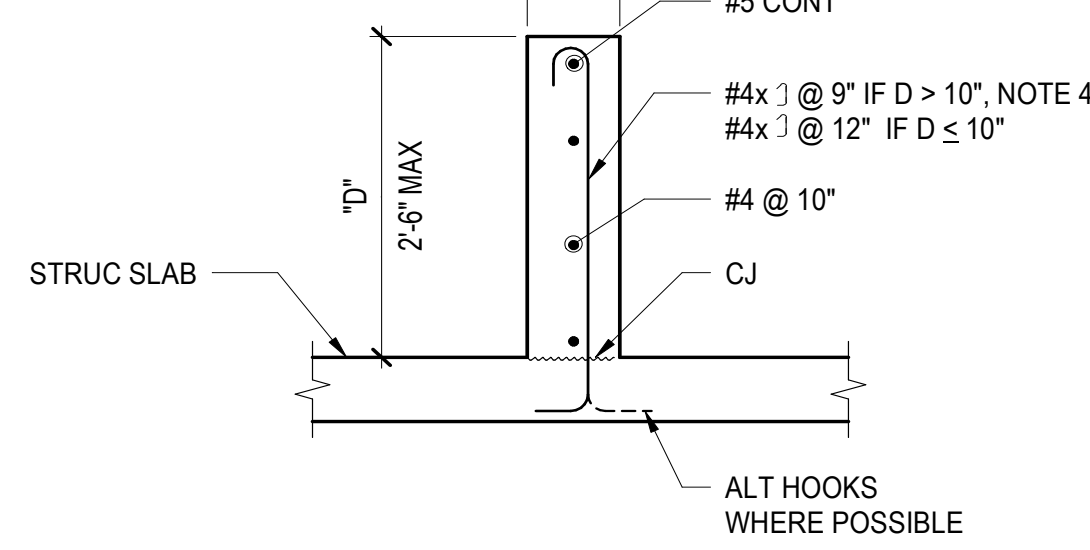
13 TYPICAL SUMP PIT



NOTES:

- HOUSEKEEPING PADS ON SLAB-ON-GRADE AND COMPOSITE SLABS SIMILAR.

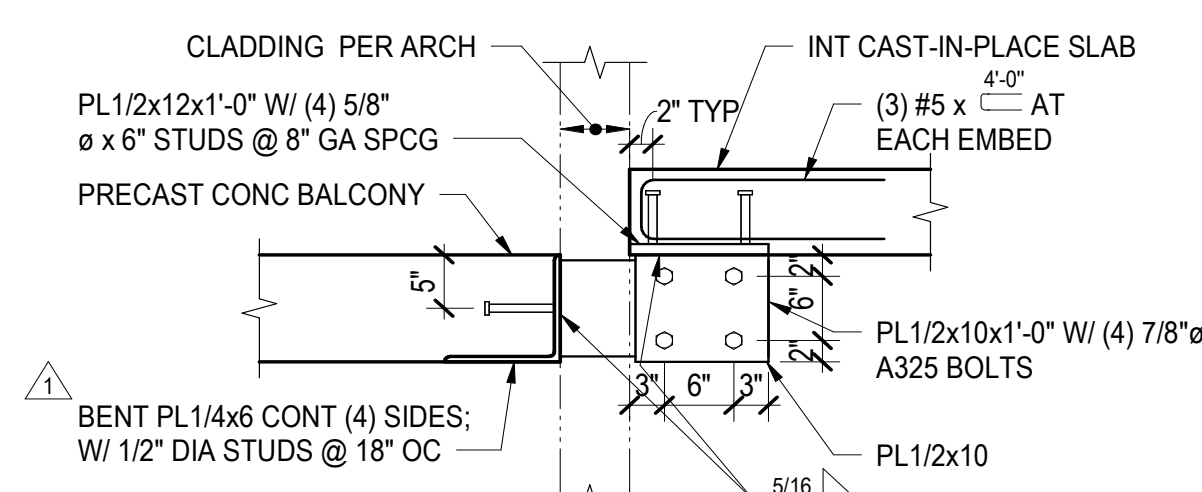
14 TYPICAL HOUSEKEEPING PAD



NOTES:

- T = 6" MINIMUM OR 10" MAXIMUM. IF T > 10", SEE "TYPICAL HOUSEKEEPING PAD" DETAIL.
- SEE ARCHITECTURAL FOR T AND D DIMENSIONS AND CURB LOCATIONS.
- CONCRETE CURBS ON SLAB-ON-GRADE AND FORMED SLABS ARE SIMILAR.

15 TYPICAL CONCRETE CURB



16 TYPICAL PRECAST BALCONY CONNECTION

| TABLE A | |
|----------------|------------------------------------|
| THICKNESS (IN) | MINIMUM REINFORCING |
| 2 | #3 @ 12" EW OR WWR 6X6 - W2.5XW2.5 |
| 3 | #3 @ 12" EW OR WWR 6X6 - W3.5XW3.5 |
| 4 | #3 @ 12" EW OR WWR 6X6 - W4.5XW4.5 |
| 5 | #3 @ 12" EW OR WWR 6X6 - W5.5XW5.5 |
| 6 | #4 @ 12" EW OR WWR 6X6 - W6.5XW6.5 |
| 7 | #4 @ 12" EW OR WWR 6X6 - W8XW8 |
| 8 | #4 @ 12" EW OR WWR 6X6 - W9XW9 |

NOTES:

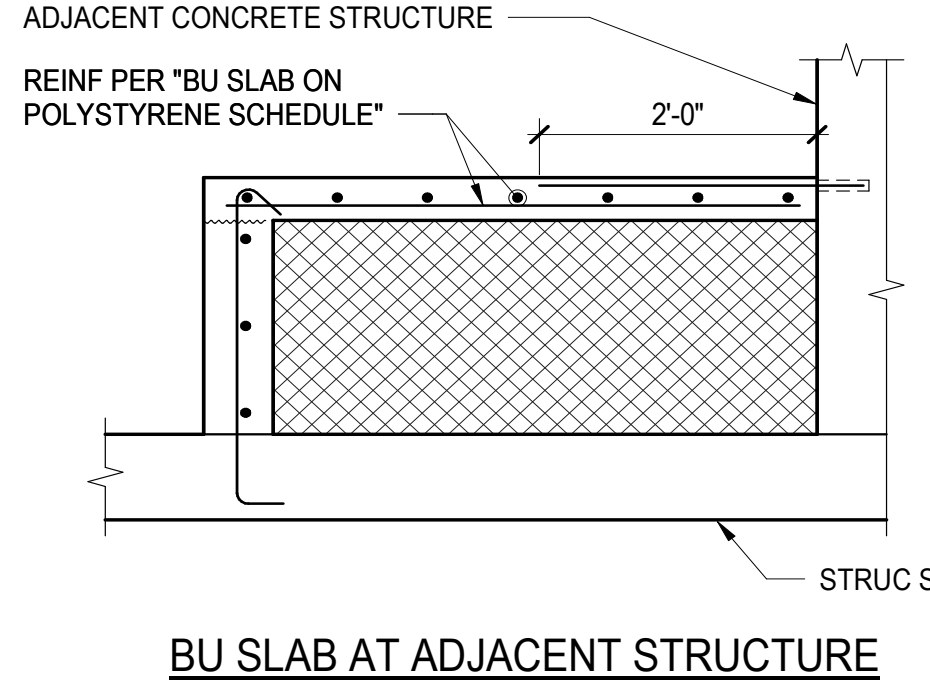
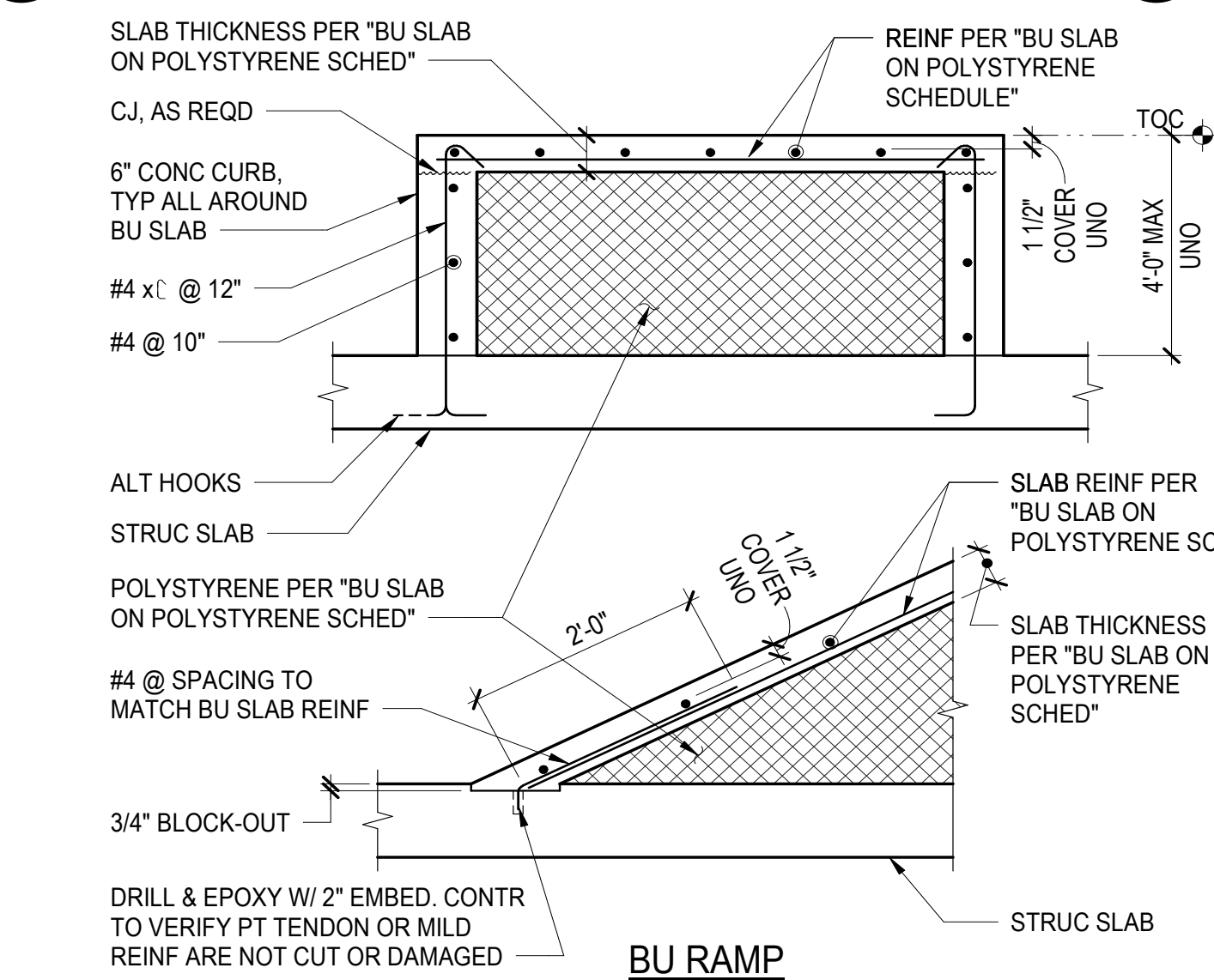
- SEE "TYPICAL SLAB ON GRADE" DETAILS FOR ADDITIONAL INFORMATION.
- AT CONTRACTORS OPTION, AT DEPRESSED AREAS, ACCEPTABLE TO PROVIDE CONCRETE TOPPING OF MINIMUM THICKNESS REQUIRED PER ARCHITECTURAL (4" MIN) ON POLYSTYRENE PER "TYPICAL BUILT-UP SLAB ON POLYSTYRENE."

17 TYPICAL TOPPING SLAB

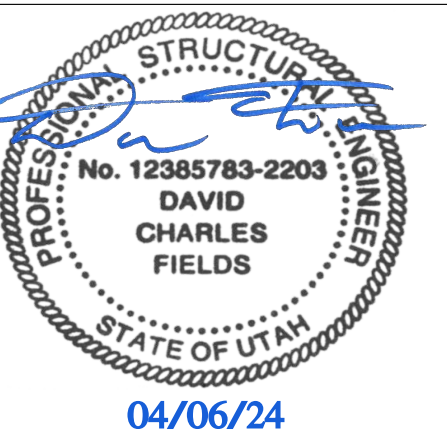
NOTES:

- RIGID CELLULAR POLYSTYRENE WITH MINIMUM COMPRESSIVE RESISTANCE INDICATED AT 1% DEFORMATION CONFORMING TO ASTM D6817 OR ASTM C578 OR APPROVED EQUIVALENT.
- PROVIDE 3/4" DEEP SAWCUT CONTROL JOINTS AT MAXIMUM SPACING OF 30 TIMES THE SLAB THICKNESS ON CENTER EACH WAY. PROVIDE CONTROL JOINTS AT ALL RE-ENTRANT CORNERS. CONTRACTOR SHALL SUBMIT A JOINTING PLAN TO THE ARCHITECT FOR REVIEW.
- FOR MECHANICAL EQUIPMENT EXCEEDING 1000 POUNDS SUPPORTED ON THE SLAB, CONTACT THE ENGINEER FOR APPROVAL.
- BUILT-UP SLAB AND CURB MINIMUM fc = 4000 PSI.

18 TYPICAL BUILT-UP SLAB ON POLYSTYRENE



SLAB AT ADJACENT STRUCTURE



Reserved for permit stamp

Olson Kundig

SOMMET BLANC - ABC
DEER VALLEY, UTAH

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checked by _____
job no. 20052
date 04/08/2024
revisions: _____

ISSUED FOR CONSTRUCTION
SET 1 OF 3
04/08/2024

TYPICAL
CONCRETE
DETAILS

S4.02