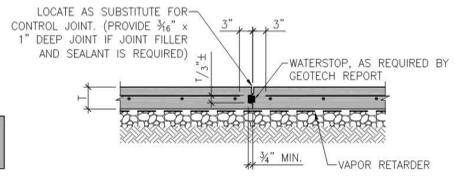


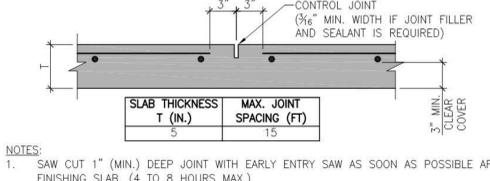
- NOTES:**
- SEE PLANS FOR SLAB-ON-GRADE CONSTRUCTION.
 - SEE ARCH DRAWINGS AND SPECIFICATIONS FOR VAPOR BARRIER.
 - SEE PLANS, GENERAL NOTES AND/OR SPECIFICATIONS FOR SUB-BASE AND/OR SUBGRADE REQUIREMENTS.
 - SEE GENERAL NOTES FOR ADDITIONAL REINFORCING BAR CONCRETE COVER REQUIREMENTS.
 - SEE ARCHITECTURAL DRAWINGS FOR INSULATION REQUIREMENTS.

1 TYPICAL SLAB-ON-GRADE DETAIL N.T.S.



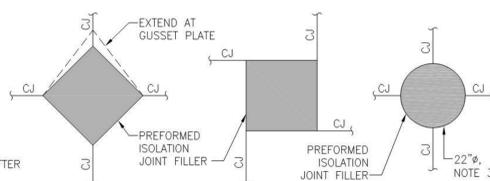
- NOTES:**
- PROVIDE FORMED KEY AT CONSTRUCTION JOINT.
 - DETAIL REINFORCEMENT TO STOP AT JOINT.
 - SEE SPECIFICATIONS FOR JOINT FILLER AND SEALANT REQUIREMENTS.
 - SEE ARCHITECTURAL DRAWINGS FOR INSULATION REQUIREMENTS.

2 SLAB-ON-GRADE CONSTRUCTION JOINT N.T.S.



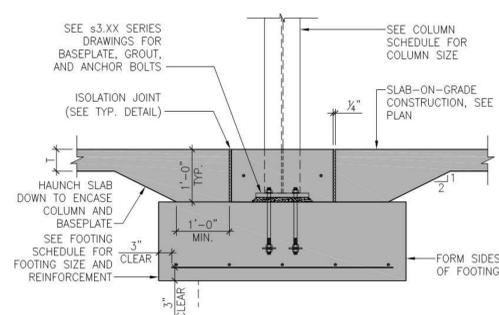
- NOTES:**
- SAW CUT 1" (MIN.) DEEP JOINT WITH EARLY ENTRY SAW AS SOON AS POSSIBLE AFTER FINISHING SLAB. (4 TO 8 HOURS MAX.)
 - DETAIL REINFORCEMENT TO STOP AT JOINTS AS INDICATED.
 - LOCATE CONTROL JOINTS ON A RECTANGULAR GRID AND SUBMIT LAYOUT OF CONTROL JOINTS FOR APPROVAL UNLESS JOINT LOCATIONS ARE OTHERWISE SPECIFIED. NO RE-ENTRANT CORNERS ARE PERMITTED. CM TO ENSURE CONTROL JOINT GEOMETRY IS CONSISTENT WITH SEALANT REQUIREMENTS.
 - ASPECT RATIO OF RECTANGLES SHALL NOT EXCEED 1.25.
 - SEE PLANS, GENERAL NOTES AND/OR SPECIFICATIONS FOR JOINT FILLER REQUIREMENTS. VERSA FLEX SEALANT AT BASEMENT AND LOADING DOCK; SIKO SEALANT AT OTHER INTERIOR SPACES. REFER TO DIVISION 7 SPECIFICATION.
 - SEE PLANS FOR SLAB CONSTRUCTION.
 - SEE GENERAL NOTES FOR ADDITIONAL REINFORCING BAR CLEAR COVER REQUIREMENTS.

3 CONTROL JOINT IN SLAB-ON-GRADE N.T.S.

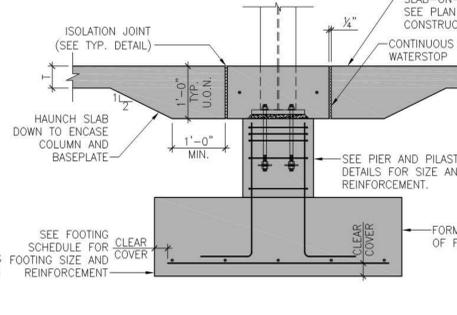


- NOTES:**
- REMOVE TOP INCH OF PREFORMED ISOLATION JOINT FILLER AND SEALANT AS REQUIRED FOR CONTROL JOINTS.
 - AT PINWHEEL PATTERN, CONTRACTOR HAS OPTION OF PLACING ISOLATION JOINT TIGHT TO COLUMN AND SAW CUT PINWHEEL PATTERN.
 - COORDINATE SIZE WITH ARCHITECTURAL DRAWINGS

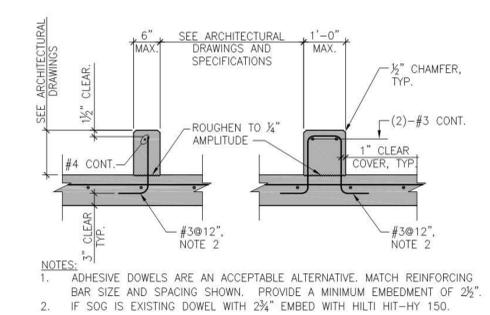
4 SLAB-ON-GRADE ISOLATION JOINT N.T.S.



5 STEEL COLUMN FOOTING N.T.S.

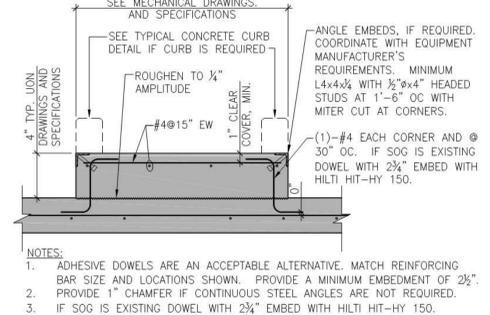


6 STEEL COLUMN FOOTING WITH PIER N.T.S.



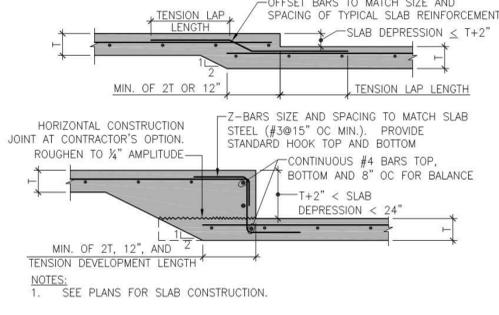
- NOTES:**
- ADHESIVE DOWELS ARE AN ACCEPTABLE ALTERNATIVE. MATCH REINFORCING BAR SIZE AND LOCATIONS SHOWN. PROVIDE A MINIMUM EMBEDMENT OF 2 1/2".
 - IF SOG IS EXISTING DOWEL WITH 2 3/4" EMBED WITH HILTI HIT-HY 150.

7 CONCRETE CURB AT SLAB-ON-GRADE N.T.S.



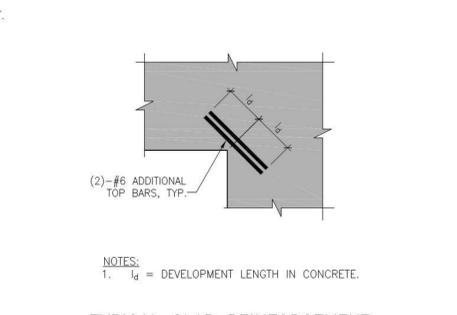
- NOTES:**
- ADHESIVE DOWELS ARE AN ACCEPTABLE ALTERNATIVE. MATCH REINFORCING BAR SIZE AND LOCATIONS SHOWN. PROVIDE A MINIMUM EMBEDMENT OF 2 1/2".
 - PROVIDE 1" CHAMFER IF CONTINUOUS STEEL ANGLES ARE NOT REQUIRED.
 - IF SOG IS EXISTING DOWEL WITH 2 3/4" EMBED WITH HILTI HIT-HY 150.

8 EQUIPMENT PAD AT SLAB-ON-GRADE N.T.S.

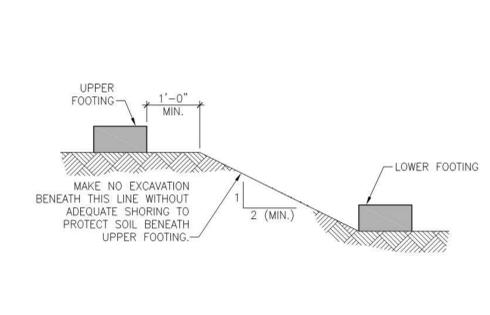


- NOTES:**
- SEE PLANS FOR SLAB CONSTRUCTION.

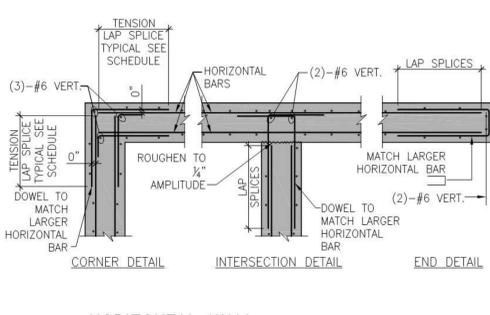
8 DEPRESSIONS AT SLAB-ON-GRADE N.T.S.



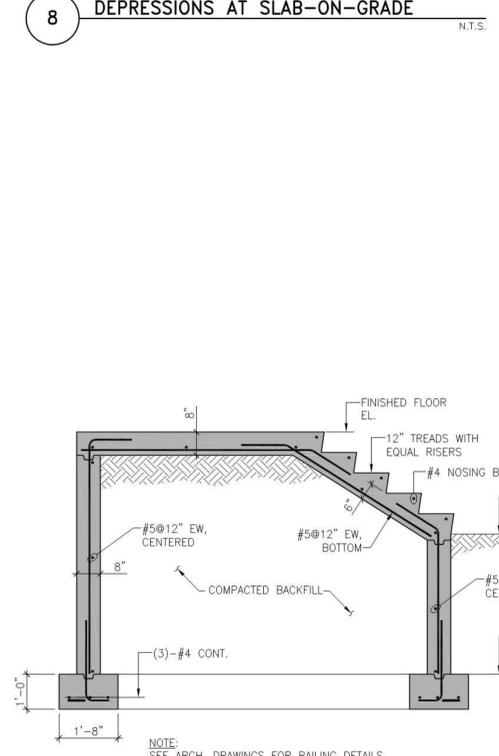
9 TYPICAL SLAB REINFORCEMENT AT RE-ENTRANT CORNER N.T.S.



10 SLOPE BETWEEN FOOTINGS N.T.S.

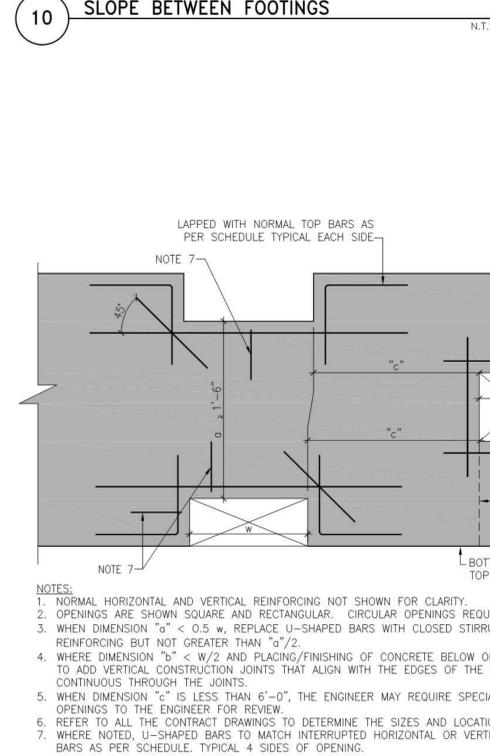


11 HORIZONTAL WALL REINFORCEMENT DETAILS N.T.S.



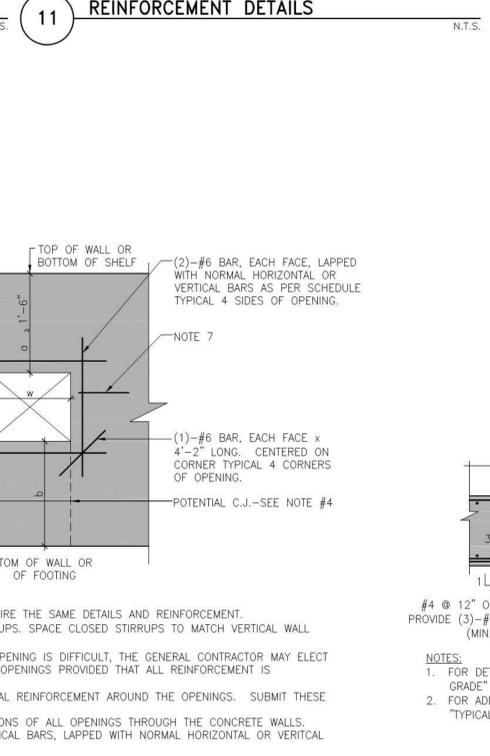
- NOTE:** SEE ARCH. DRAWINGS FOR RAILING DETAILS

12 CIP CONCRETE STAIRS N.T.S.



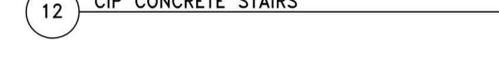
- NOTES:**
- NORMAL HORIZONTAL AND VERTICAL REINFORCING NOT SHOWN FOR CLARITY.
 - OPENINGS ARE SHOWN SQUARE AND RECTANGULAR. CIRCULAR OPENINGS REQUIRE THE SAME DETAILS AND REINFORCEMENT.
 - WHEN DIMENSION "a" < 0.5 w, REPLACE U-SHAPED BARS WITH CLOSED STIRRUPS. SPACE CLOSED STIRRUPS TO MATCH VERTICAL WALL REINFORCING BUT NOT GREATER THAN "a"/2.
 - WHERE DIMENSION "b" < w/2 AND PLACING/FINISHING OF CONCRETE BELOW OPENING IS DIFFICULT, THE GENERAL CONTRACTOR MAY ELECT TO ADD VERTICAL CONSTRUCTION JOINTS THAT ALIGN WITH THE EDGES OF THE OPENINGS PROVIDED THAT ALL REINFORCEMENT IS CONTINUOUS THROUGH THE JOINTS.
 - WHEN DIMENSION "c" IS LESS THAN 6'-0", THE ENGINEER MAY REQUIRE SPECIAL REINFORCEMENT AROUND THE OPENINGS. SUBMIT THESE OPENINGS TO THE ENGINEER FOR REVIEW.
 - REFER TO ALL THE CONTRACT DRAWINGS TO DETERMINE THE SIZES AND LOCATIONS OF ALL OPENINGS THROUGH THE CONCRETE WALLS.
 - WHERE NOTED, U-SHAPED BARS TO MATCH INTERRUPTED HORIZONTAL OR VERTICAL BARS, LAPPED WITH NORMAL HORIZONTAL OR VERTICAL BARS AS PER SCHEDULE, TYPICAL 4 SIDES OF OPENING.

13 OPENING THROUGH CONCRETE WALL DETAIL N.T.S.



- NOTES:**
- FOR DETAILS NOT NOTED, SEE "TYPICAL CONDITIONS FOR PIPES BELOW GRADE" DETAIL.
 - FOR ADDITIONAL INFORMATION, SEE "TYPICAL PIPE SLEEVE DETAIL" AND "TYPICAL ADDITIONAL REINFORCEMENT @ PIPE SLEEVE" DETAIL.

14 TYPICAL PENETRATION THROUGH FOOTING N.T.S.



KEY PLAN

DATE: 10/19/2015
SCALE: _____
DRAWN BY: _____
PROJECT NUMBER: SAR15A.00
DRAWING TITLE: CONCRETE TYPICAL DETAILS (1 OF 2)
DRAWING NUMBER: S-010

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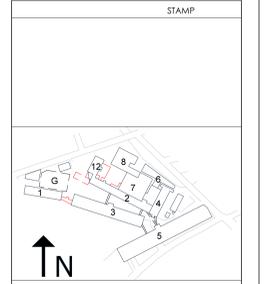
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REVISIONS		
NUMBER	DESCRIPTION	DATE



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