GENERAL NOTES

1. THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE WHEN COMPLETED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE PROCEDURES FOR ERECTION AND CONSTRUCTION SEQUENCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING AND ITS OCCUPANTS THROUGHOUT CONSTRUCTION.

FOUNDATIONS AND EARTHWORK

1. FOUNDATIONS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL PROVIDING A PRESUMED BEARING CAPACITY OF 2000psf (MIN). MATERIAL AT BEARING ELEVATIONS WHICH DOES NOT CONFORM WITH THESE REQUIREMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE A/E FOR REVIEW AND DETERMINATION.
2. FILL UNDER BUILDING SLABS, PAVINGS, CURBS, WALKS, ETC. SHALL BE MADE WITH COARSE SAND, GRAVEL, OR CRUSHED STONE COMPACTED TO NOT LESS THAN 95% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557.
3. THE STABILITY AND POSITION OF WALLS SHALL BE MAINTAINED DURING BACKFILLING BY BRACING OF THE WALL OR PLACEMENT OF THE FILL SHALL BE SUCH THAT THE HEIGHT OF FILL ON EACH SIDE OF THE WALL IS APPROXIMATELY EQUAL.
4. FOR WALLS SPANNING FROM GROUND FLOORS TO THE FIRST SUPPORTED FLOOR OR ROOF (BASEMENTS), THE GROUND FLOOR SLAB AND THE FLOOR OR ROOF STRUCTURE AT THE TOP SHALL BE IN PLACE BEFORE BACKFILL IS PLACED AGAINST THE WALL.
5. UNLESS OTHERWISE NOTED IN THE CONTRACT DOCUMENTS FOUNDATIONS SHALL EXTEND BELOW LOCAL FROST DEPTHS.

CONCRETE

1. DESIGN, FURNISH, AND PLACE CONCRETE IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF THE ACI.
2. UNLESS NOTED OR SPECIFIED OTHERWISE, CONCRETE SHALL BE CONTROLLED STONE OR GRAVEL CONCRETE. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM 28 DAY COMPRESSIVE STRENGTHS:

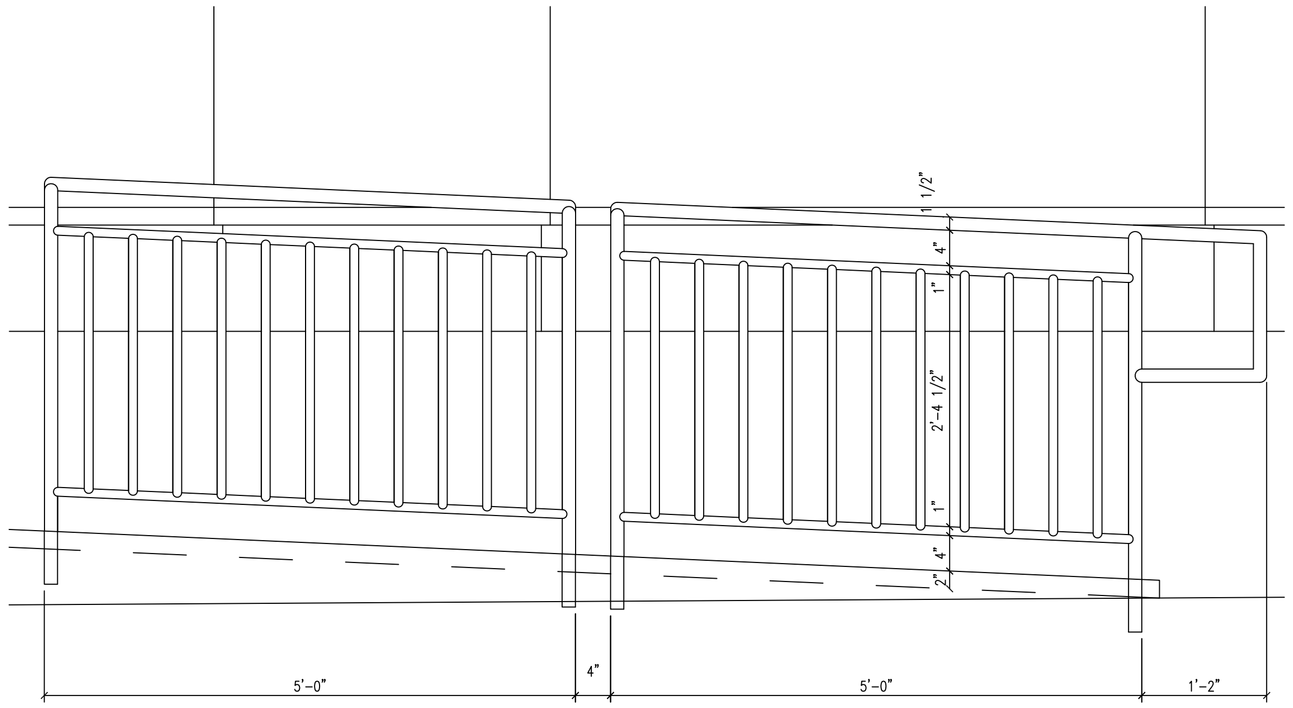
   UNEXPOSED FOUNDATIONS 3000 psi

   FLOORS AND EXPOSED WORK 4000 psi

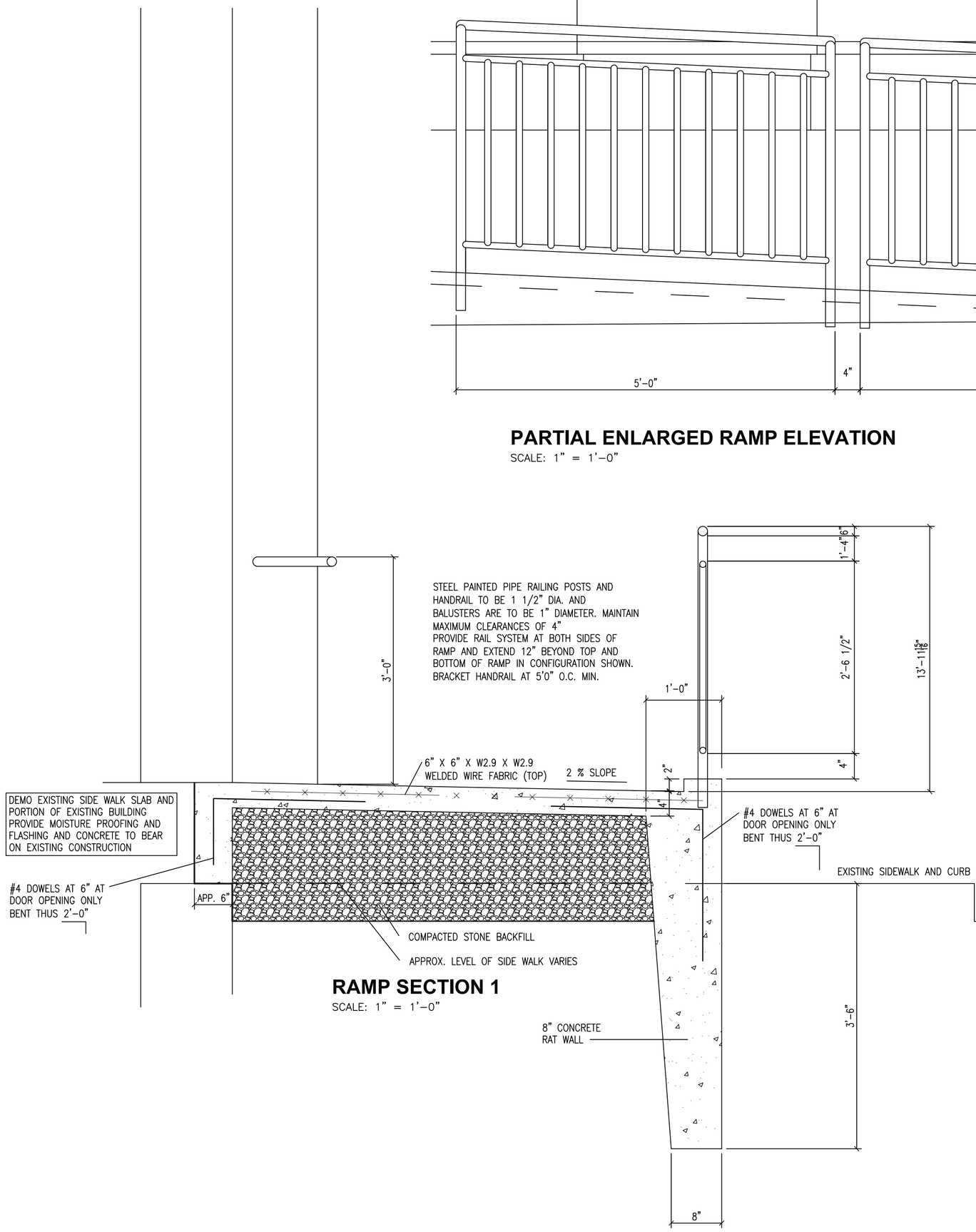
3. EXTERIOR CONCRETE OR CONCRETE SUBJECT TO FREEZE-THAW CYCLING SHALL BE AIR-ENTRAINED (6% ±1%).
4. DESIGN, DETAIL, FABRICATE, AND ERECT REINFORCING STEEL ACCORDING TO THE LATEST ACI AND CRSI SPECIFICATIONS FROM ASTM A-615, GRADE 60 MATERIAL.
5. WALL AND FOOTING REINFORCING SHALL BE HOOKED AROUND CORNERS A MINIMUM OF 30 BAR DIAMETERS OR SEPARATE CORNER BARS SHALL BE PROVIDED
6. REINFORCING BARS SHALL LAP A MINIMUM OF 30 BAR DIAMETERS, BUT NOT LESS THAN 12".
7. PROVIDE A 1" NOMINAL CHAMFER AT ALL EXPOSED CORNERS OF BEAMS, COLUMNS, AND WALLS.
8. AT ALL CONSTRUCTION JOINTS PROVIDE KEYWAYS 1 1/2" DEEP BY 1/3 THE WIDTH OF THE MEMBER (3 1/2" MIN).
9. PROVIDE CONTROL JOINTS IN FLOOR SLABS AT 20' c/c MAXIMUM EACH WAY UNLESS OTHERWISE NOTED ON DRAWINGS.
10. PROVIDE THE FOLLOWING PROTECTION (COVER) OVER REINFORCING:

COLUMNS, BEAMS, AND GIRDERS	1 1/2"
SLABS AND WALLS	3/4"
MEMBERS IN CONTACT WITH OR OVER WATER	2"
FORMED MEMBERS IN CONTACT WITH EARTH	2"
MEMBERS PLACED AGAINST EARTH	3"

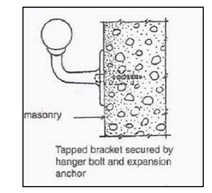
11. PROVIDE #3 HORIZONTAL DOWELS IN FLOOR SLABS AT ALL RE-ENTRANT CORNERS AND COLUMN LOCATIONS. DOWELS SHALL LAP 1'-0" MIN. PAST EACH POINT OF CROSSING AT COLUMNS AND EXTEND 1'-0" EACH WAY PAST EACH RE-ENTRANT CORNER.

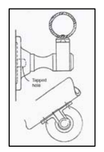


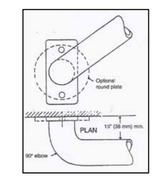
PARTIAL ENLARGED RAMP ELEVATION
SCALE: 1" = 1'-0"

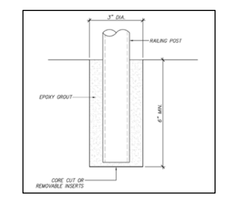


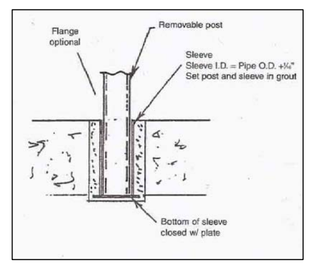
RAMP SECTION 1
SCALE: 1" = 1'-0"











RAILING POST AND BRACKET DETAILS
NO SCALE

GENERAL NOTES FOR RAMPS

- DEMO EXISTING CONCRETE WALK AND STEPS AND BACKFILL AS NECESSARY TO BEAR NEW CONCRETE CONSTRUCTION FOR RAMP
- STEEL PAINTED PIPE RAILING POSTS AND HANDRAIL TO BE 1 1/2" DIA. AND BALUSTERS ARE TO BE 1" DIAMETER. MAINTAIN MAXIMUM CLEARANCES OF 4" PROVIDE RAIL SYSTEM AT BOTH SIDES OF RAMP AND EXTEND 12" BEYOND TOP AND BOTTOM OF RAMP IN CONFIGURATION SHOWN
- EMBED VERTICAL POSTS 6" DEEP AT 5'-4" MAX. O.C. AND GROUT INTO 3" DIA. CORE
- RAMP TO BE 4000PSI CONCRETE RAMP 1:20 SLOPE-LIGHT BROOM FINISH
- PROVIDE 2" HIGH X 6 " WIDE CONCRETE CURB AT EDGE OF RAMP FOR EDGE PROTECTION
- INSERTED BOXED IMAGES REPRESENT ALUMIRAMP A*COM RAMP SYSTEM PROVIDE ON WOODWARD SIDE OF BUILDING CONTACT ALUMIRAMP 1-800-800-3864
- CONTRACTOR TO PROVIDE ADHEREANCE TO ALL APPLICABLE CODES

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Registration Seal

STATE OF MICHIGAN
GREGORY RICHARD KISSNER
ARCHITECT
No. 51389
LICENSED ARCHITECT

RAMP DETAILS	2013 03 14
PERMITS	2012 11 30
BIDS	2012 09 19
OWNER REVIEW	2012 09 07

Project
6438 WOODWARD AVE RENOVATION PROJECT

Drawing Title
FIRST FLOOR PLAN

Project Number: 2011158
Drawn By: TW/RAMP BY GRK Approved By: RH
Scale: AS NOTED

Drawing No.
A1.2.1 DTL