

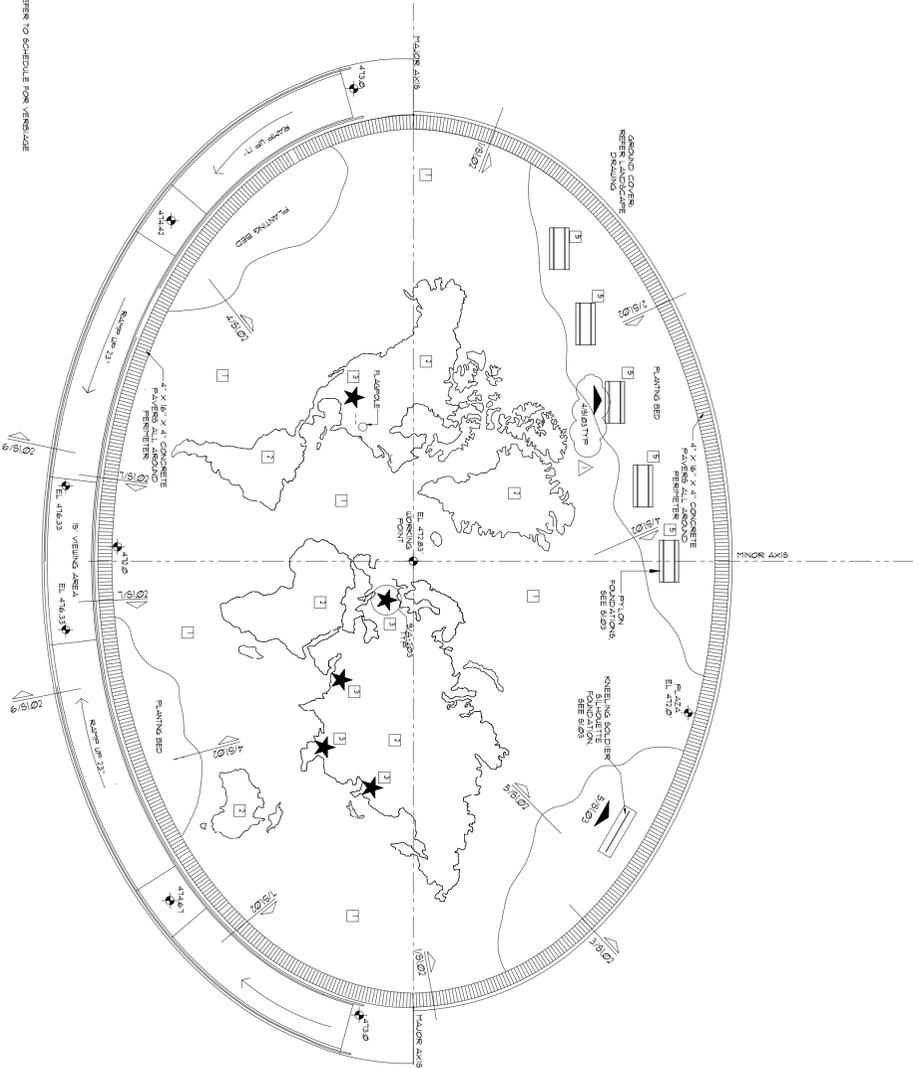


# VETERANS MEMORIAL PLAZA

## CITY OF CARROLLTON KELLER SPRINGS RD CARROLLTON, TEXAS

JOB NO. A1730  
DATE: 08/15/24

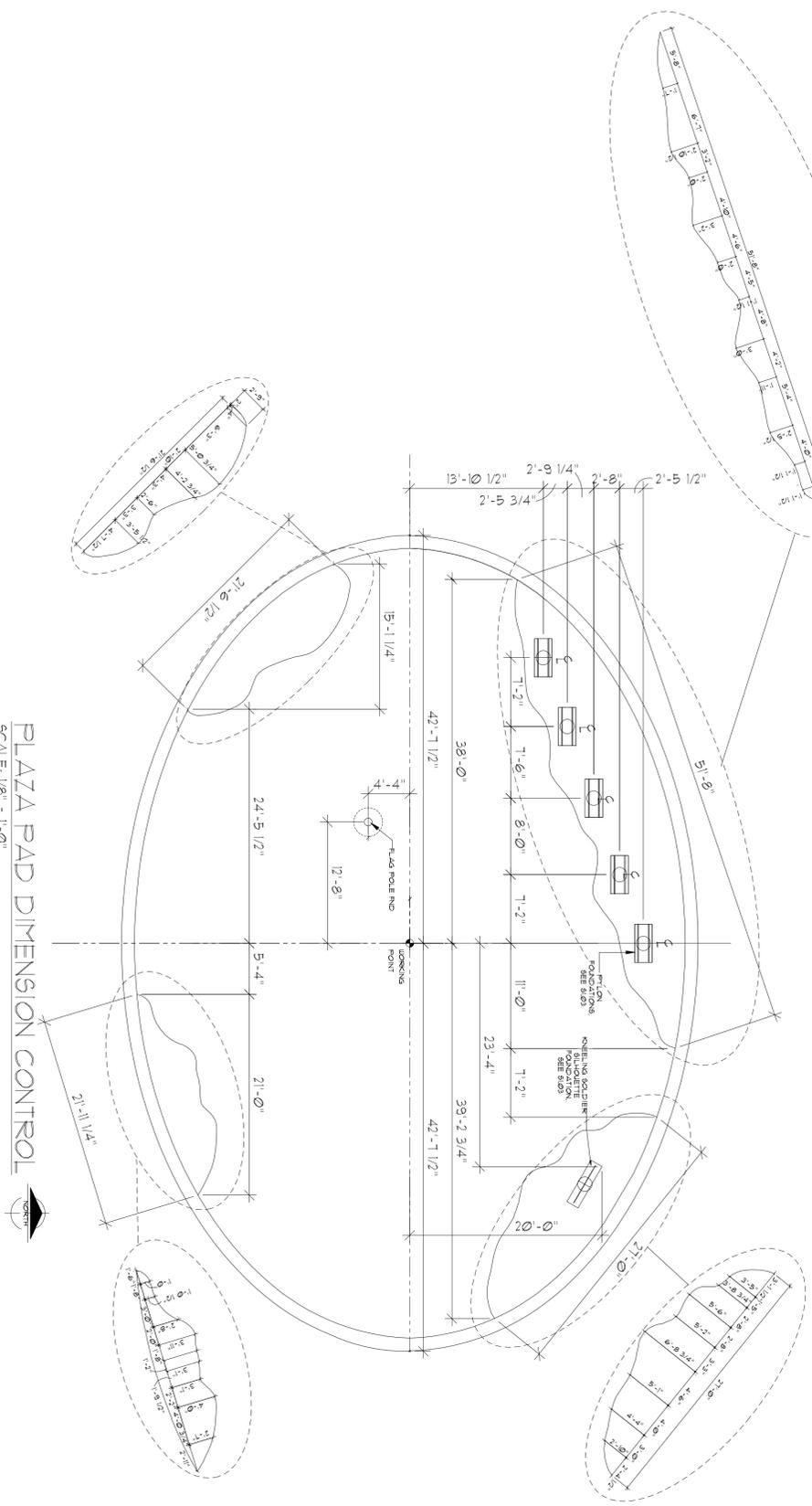
SHEET NO.  
**S1.01**



**KEY NOTES**

- 1 INTERIALLY COLORED CONCRETE W/ SANDBLASTED FINISH
- 2 INTERIALLY COLORED CONCRETE W/ SANDSCAPE FINISH
- 3 STAIR RAMPWALK 0.15 TYPE GRIP BRONZE PLATE INFILTRATION PLATES REFER TO SCHEDULE FOR FINISH
- 4 BENCH FINISHED AND INSTALLED BY OWNER SEE A-102
- 5 INTERIOR UT. ADDED FORCES PILEON WITH CONCRETE BASE REFER A-103

**FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"



**PLAZA PAD DIMENSION CONTROL**  
SCALE: 1/8" = 1'-0"

**SLAB NOTES:**

- 1 SLAB SHALL BE A MINIMUM OF 6" THICK THROUGHOUT THE PLAZA FOOT PRINT AND WILL CONTAIN CHANGES IN DEPTHS AND THICKNESSES AS SHOWN ON THE CORRESPONDING SECTIONS.
- 2 ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4000 PSI.
- 3 THE SLAB SHALL BE REINFORCED WITH MINIMUM #4 BARS AT 12" O.C. ALL AND WILL CONTAIN ADDITIONAL REINFORCING AS SHOWN ON THE CORRESPONDING SECTIONS.
- 4 THE FOUNDATION DESIGN SHOWN IS BASED ON A FIVE NO GREATER THAN ONE INCH AND WILL BE SUPPORTED ON SUBGRADE PREPARED AS STATED IN THE SUBGRADE PREPARATION NOTES AS LISTED ON THIS SHEET.

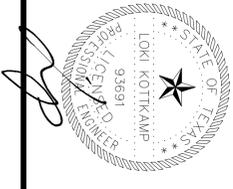
**SUBGRADE PREPARATION NOTES:**

- 1 THESE SOIL PREPARATION RECOMMENDATIONS ARE BASED ON THE GEOTECHNICAL REPORT NO. 197610 BY EGS SOUTHWEST, LLP (EGS), DATED 02/14/19. THE CONTRACTOR SHALL BE THOROUGHLY FAMILIAR WITH ALL THE RECOMMENDATIONS CONTAINED IN THE REFERENCED REPORT PRIOR TO COMMENCEMENT OF ANY SITE WORK.
- 2 REMOVE VEGETATION, DEMOLISHED STRUCTURE, EXISTING FOUNDATION DEBRIS, DELETERIOUS MATERIALS, AND SOFT AND LOOSE SOIL IN THE CONSTRUCTION AREAS. THE DEPTH OF THE REMOVAL OF THE SOILS SHALL BE DETERMINED BY EGS AT THE TIME OF THE CONSTRUCTION EXTENDING AT LEAST 5'-0" BEYOND THE PLAZA AND RAMP BOUNDARIES.
- 3 AFTER STRIPPING AND EXCAVATING TO THE PROPOSED SUBGRADE LEVEL, THE BUILDING PAD AREA SHALL BE PROOF-ROLLED, AND ANY SOILS WITH EXCESSIVE DEFLECTION GREATER THAN 1/4" INCH SHALL BE UNDERROUT AND RECOMPACTED WITHIN THE BUILDING PLAZA AND RAMP AREAS. THE SLAB SHALL BE SUPPORTED ON RE-COMPACTED & STABILIZED EXISTING SOILS OR SELECT FILL.
- 5 REFER TO THE GEOTECHNICAL REPORT ABOVE, PAGES 13 THROUGH 16, FOR ALL SUBGRADE PREPARATION FILL PLACEMENT, COMPACTION AND TESTING REQUIREMENTS.
- 6 PLACE THE PLAZA SLAB OVER MIN. 15 MIL. POLYETHYLENE MOISTURE BARRIER OVER 4" OF GRANULAR SOIL.
- 1 THE DESIGN BEARING PRESSURE FOR THE FOUNDATION IS 2500 PSF FOR FOOTINGS AND 2500 PSF FOR CONTINUOUS GRADE BEAMS/FOOTINGS.

**SHRINKAGE CRACK CONTROL NOTES:**

- 1 PROPER CURING METHODS SHALL BE USED TO ELIMINATE NORMAL SHRINKAGE CRACKING THROUGHOUT THE PLAZA FOUNDATION AS WELL AS SECONDARY STRUCTURES SUCH AS RAMPS AND STAIRS.
- 2 CURING METHODS CAN INCLUDE APPROVED CHEMICAL ADMIXTURES AS WELL AS TYPICAL PHYSICAL METHODS SUCH AS WATER CURING AND PLASTIC SHEETING.
- 3 WATER CURING METHODS CAN INCLUDE WET COVERING SUCH AS BURLAP, SAND OR STRAW THAT WILL REMAIN CONTINUOUSLY DAMP DURING THE CURING PROCESS.
- 4 REACTIVE CONTROL JOINTS CAN BE PLACED TO DIRECT SHRINKAGE CRACKING AS A SECONDARY OPTION. CONTROL JOINTS MUST BE 25 PERCENT OF THE SLAB THICKNESS DEEP AND PLACED IN STRATEGIC LOCATIONS AGREED UPON BY THE ARCHITECT, STRUCTURAL ENGINEER AND GENERAL CONTRACTOR.
- 5 PRIOR TO POURING, ALL METHODS SHALL BE DISCUSSED AND AGREED UPON BY THE ARCHITECT, STRUCTURAL ENGINEER AND GENERAL CONTRACTOR.

THE ENGINEER'S SEAL ON THIS PLAN WAS ELECTRONICALLY AFFIXED BY LOKI KOTTKAMP, LICENSE NO. 93691 ON 04-20-2018

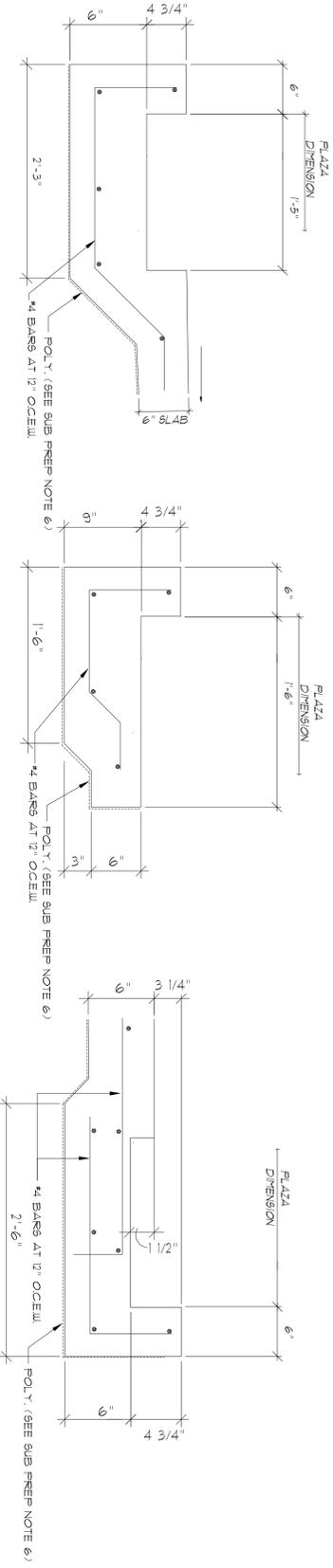


# VETERANS MEMORIAL PLAZA

## CITY OF CARROLLTON KELLER SPRINGS RD CARROLLTON, TEXAS

JOB NO. A1730  
DATE: 06/11/2018

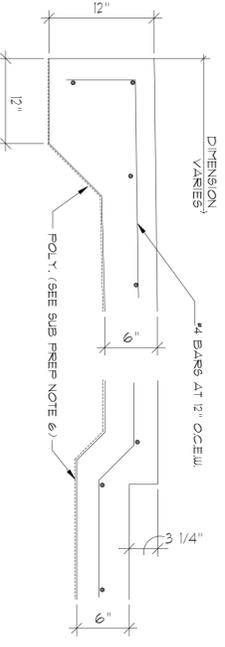
SHEET NO.  
**S1.02**



SECTION 1  
PAVEMENT DETAIL

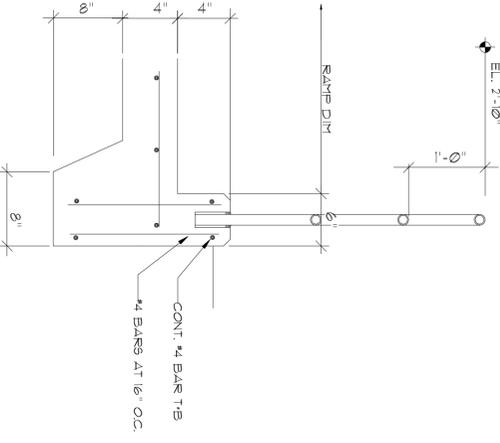
SECTION 2  
PAVEMENT DETAIL

SECTION 3  
PAVEMENT DETAIL

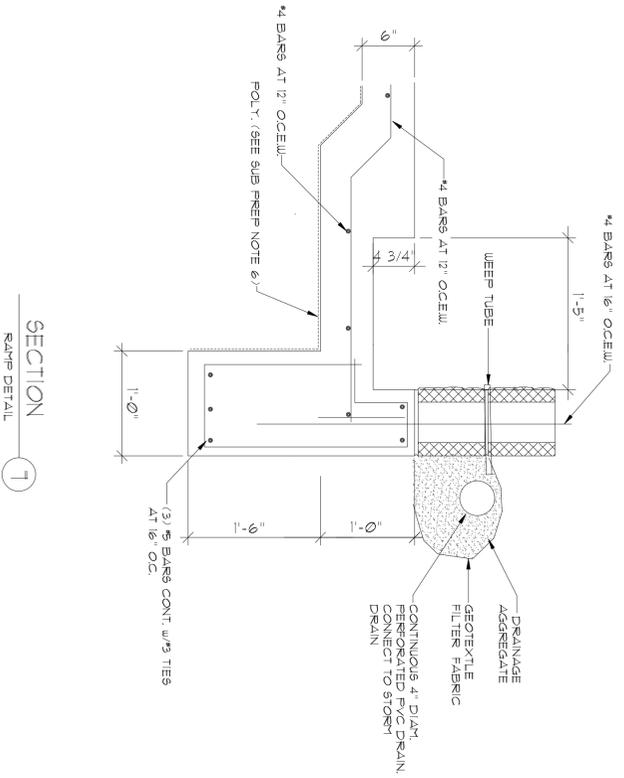
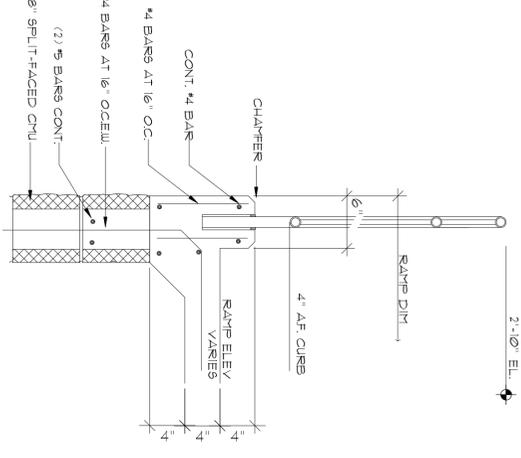


SECTION 4  
PLAZA EDGE

SECTION 5  
PAVEMENT DETAIL

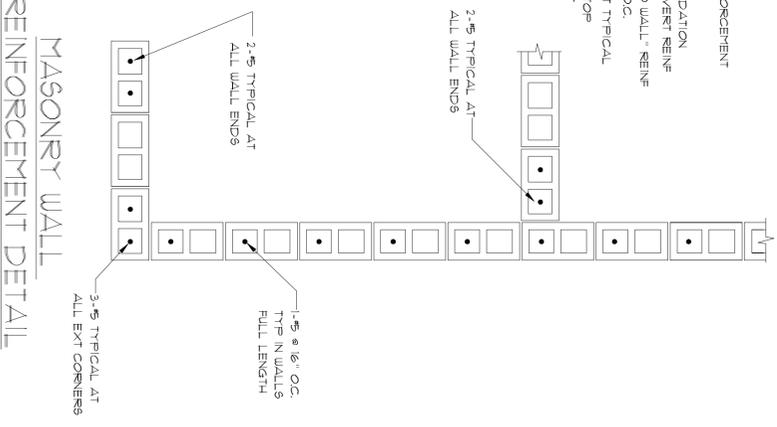


SECTION 6  
RAMP



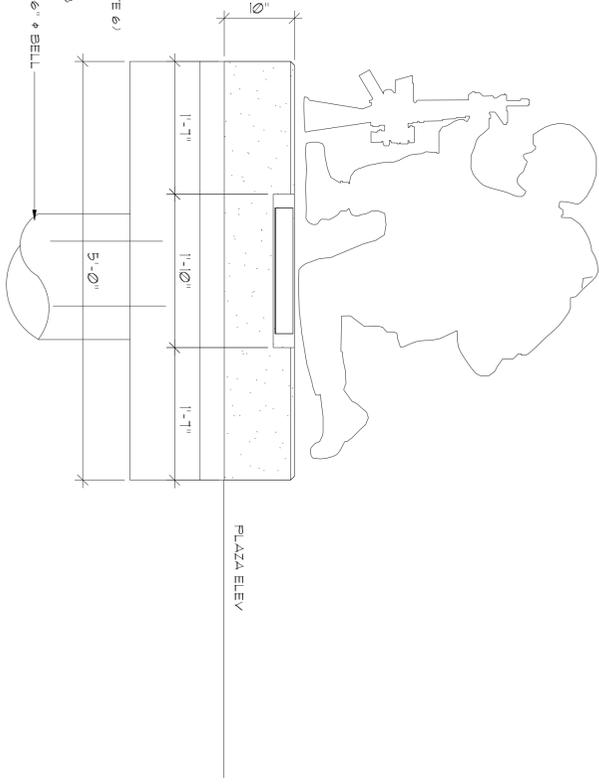
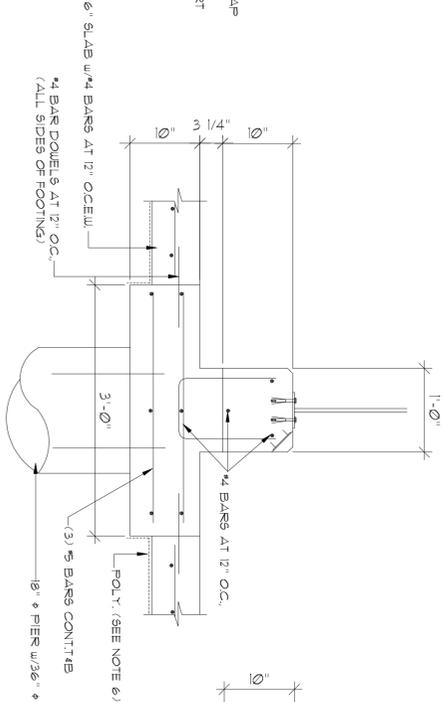
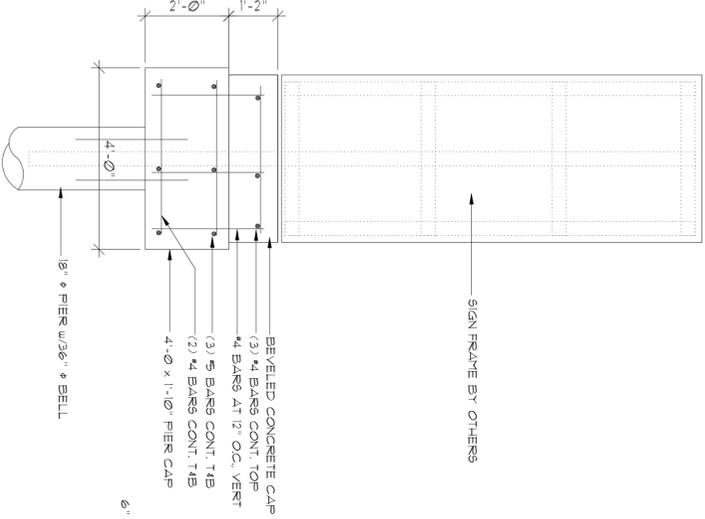
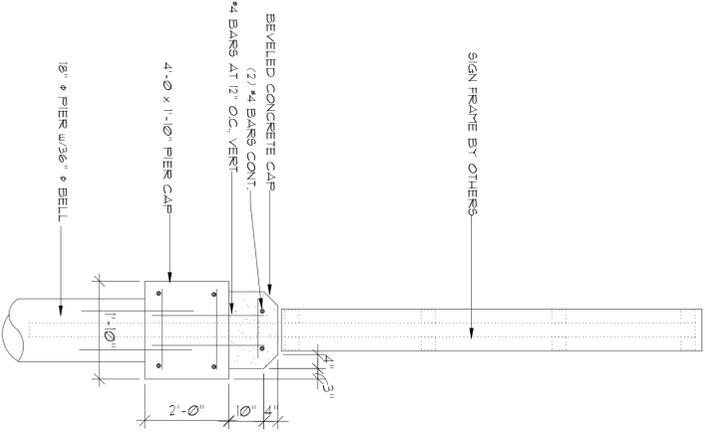
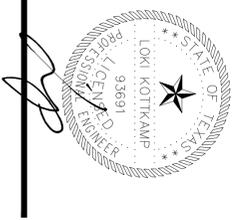
SECTION 8  
RAMP DETAIL

- MASONRY WALL NOTES:**
1. GROUT CELLS SOLID AT REINFORCEMENT FULL HEIGHT OF WALL
  2. PROVIDE JOISTS FROM FOUNDATION SAME SIZE AND SPACING AS VERT REINF
  3. PROVIDE TIEBARS TYPE "DUR-O-WALL" REINF IN HORIZONTAL JOINTS @ 16" O.C.
  4. PROVIDE #5 @ 16" FULL HEIGHT TYPICAL
  5. PROVIDE CONT BOND BEAT TOP OF ALL WALLS WITH 2-#5 CONT



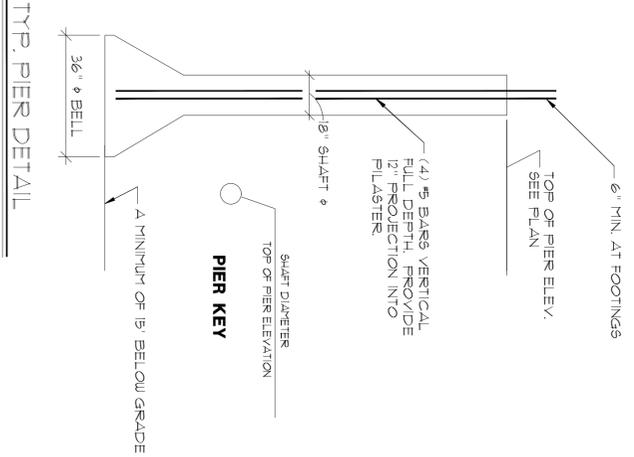
MASONRY WALL  
REINFORCEMENT DETAIL

THE ENGINEER'S SEAL ON THIS  
PLAN SHALL BE ELECTRONICALLY  
AFFIXED BY LOKI KOTTKAMP,  
LICENSE NO. 93691 ON  
04-30-19



PYLON FOUNDATIONS 4  
PAYER DETAIL

SILHOUTTE FOUNDATION 5  
PAYER DETAIL



**VETERANS MEMORIAL PLAZA**  
CITY OF CARROLLTON  
KELLER SPRINGS RD  
CARROLLTON, TEXAS

JOB NO. A1730  
DATE: 08/14/2019

SHEET NO.  
**S1.03**



**MASONRY NOTES**

ALL MASONRY WORK SHALL CONFORM TO THE 2006 INTERNATIONAL BUILDING CODE. COMPLETELY FILL ALL HEAD AND BED JOINTS WITH MORTAR. JOINTS ARE TO BE TOOLED CONCAVE OR CUT FLUSH.

REINFORCE ALL MASONRY WITH:

- a. #5 VERTICAL BARS AT 48 INCHES ON CENTER AND 9 GAUGE LADDER OR TRUSS REINFORCING HORIZONTALLY AT 16 INCHES ON CENTER. ALL REINFORCING IS TO BE CONTINUOUS AT ALL WALL INTERSECTIONS AND AROUND CORNERS.
- b. ALL REINFORCING MUST BE FULLY GROUTED IN PLACE.

MASONRY BLOCK SHALL BE 8" THRU-THE-WALL UNIT MANUFACTURED BY ENDCOTT CLAY PRODUCTS CO. ALLOWABLE COMPRESSION ON THE NET AREA MUST EXCEED 2000 PSI.  $f_m' = 1350$  PSI.

MORTAR MIX SHALL BE IBC TYPE S ASTM C270, F = 1800 PSI. PROPORTIONS SHALL BE BY VOLUME AS FOLLOWS:

- 1 PART PORTLAND CEMENT
- 1/4 PART LIME
- 3 1/4 PARTS DAMP LOOSE MORTAR SAND

GROUT MIX ASTM C416. PROPORTIONS SHALL BE AS FOLLOWS:

- 1 PART PORTLAND CEMENT
  - 1/2 PART HYDRATED LIME
  - 3 PARTS DAMP LOOSE SAND
  - 2 PARTS OR LESS PE4 GRAVEL, COARSE AGGREGATE.
- WATER IS TO BE USED IN SUFFICIENT QUANTITY TO PRODUCE A FLUID MIX WITHOUT SEGREGATION OF MATERIALS.

GROUTING SHALL BE DONE IN EITHER 4 FOOT OR 8 FOOT LIFTS.

IF 8 FOOT LIFTS ARE USED:

- a. A CLEANOUT OPENING MUST BE PROVIDED AT THE BOTTOM OF EACH LIFT.
- b. SET MASONRY TO THE LIFT HEIGHT. REINFORCING HORIZONTALLY AS REQUIRED. FACE SHELL AND WEB ADJACENT TO GROUT SPACES SHALL BE SET IN MORTAR.
- c. SMOOTH ALL OBSTRUCTIONS AND MORTAR IN GROUT SPACES BY PULLING WADDING UP IN SPACE AS EACH COURSE IS LAID.
- d. REMOVE ALL MORTAR OR OTHER OBSTRUCTIONS OR DEBRIS FROM GROUT SPACES AND CLOSE CLEANOUT.
- e. INSERT VERTICAL BARS IN CENTER OF WALL WITH PROJECTIONS FOR SPlicing TO THE NEXT LIFT.
- f. GROUT ALL REINFORCING IN PLACE AND CONSOLIDATE GROUT BY PUDDLING BEFORE PLASTICITY IS LOST.
- g. CONTINUE LAYING MASONRY TO THE BOTTOM OF THE NEXT LIFT OR BOND BEAM FOLLOWING THE ABOVE PROCEDURES.
- IF 4 FOOT LIFTS ARE USED:

- a. SET MASONRY TO LIFT HEIGHT. REINFORCING HORIZONTALLY AS REQUIRED. FACE SHELL AND WEB ADJACENT TO GROUT SPACE SHALL BE SET IN MORTAR.
- b. GROUT SPACES SHALL BE KEPT CLEAN DURING ERECTING BY PULLING A SPONGE OR OTHER SUITABLE MATERIAL CONTINUOUSLY UP THROUGH THE VOIDS PRIOR TO THE MORTAR TAKING A SET.
- c. INSERT VERTICAL BARS IN THE CENTER OF THE WALL WITH PROJECTIONS FOR TO THE NEXT LIFT.
- d. GROUT ALL REINFORCING IN PLACE. GROUT SHALL BE CONSOLIDATED BY PUDDLING BEFORE PLASTICITY IS LOST.

PLACE A CONTINUOUS BOND BEAM REINFORCED WITH 2-#5 BARS AT THE TOP OF ALL WALLS.

PROVISIONS MUST BE MADE BY THE CONTRACTOR TO BRACE THE WALLS DURING AND AFTER CONSTRUCTION AND UNTIL THE FLOORS AND ROOF ARE IN PLACE.

**CONCRETE**

ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND THE ACI SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS.

ALL CONCRETE SHALL CONFORM TO APPROVED DESIGN MIXES. PROPOSED MIX DESIGNS SHALL BE SUBMITTED TO THE STRUCTURES AT LEAST TWO WEEKS PRIOR TO SCHEDULED CONCRETE PLACEMENT.

ALL POURED IN PLACE CONCRETE SHALL BE TRANSPORT MIXED (ASTM C94) MADE WITH TYPE I OR II CEMENT, HAVE 5% +/- 1% AIR ENTRAINMENT, AND A 4 INCH TO 6 INCH SLUMP.

REQUIRED 28-DAY COMPRESSIVE STRENGTHS ARE AS FOLLOWS:

SLABS-ON-GRADE, FOOTINGS, PIERS 4000 PSI

HOT WEATHER CONCRETING SHALL CONFORM TO ACI 305. COLD WEATHER CONCRETING SHALL CONFORM TO ACI 306.

ANY STOP IN CONCRETE WORK SHALL BE MADE WITH VERTICAL BULKHEADS AND HORIZONTAL KEYS. CONSTRUCTION JOINTS ARE TO BE AS DETAILED OR APPROVED BY THE STRUCTURES.

CONCRETE CURING SHALL BE DONE IN ACCORDANCE WITH ACI 308 AND SHALL BEGIN IMMEDIATELY AFTER PLACEMENT USING EITHER WATERPROOF SHEET MATERIAL OR A MEMBRANE CURING COMPOUND. CURING SHALL BE CONTINUOUS FOR A PERIOD OF 7 DAYS MINIMUM.

**GROUT**

GROUT SHALL BE NON-SHRINK CEMENT-BASED NON-METALLIC GROUT MIXED AND PLACED ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS. USE THE STRIPEST MIX POSSIBLE FOR THE REQUIRED APPLICATION.

**REINFORCING STEEL**

ALL REINFORCING SHALL BE ASTM A615 OR ASTM A706 GRADE 60. EXCEPT #3 BARS MAY BE GRADE 40.

FABRICATE AND PLACE REINFORCEMENT PER ACI 315 AND THE CRSI RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS.

PROVIDE ALL ACCESSORIES NECESSARY TO SUPPORT REINFORCING IN THE POSITIONS SHOWN.

NO SPLICES IN REINFORCEMENT SHALL BE MADE UNLESS DETAILED OR AUTHORIZED BY THE STRUCTURES. LAP SPLICES, WHERE PERMITTED, SHALL BE A MINIMUM OF 36 BAR DIAMETERS.

MINIMUM REINFORCEMENT PROTECTION SHALL BE AS FOLLOWS:

- CONCRETE POURED AGAINST THE EARTH 3"
- FORMED CONCRETE EXPOSED TO WEATHER OR EARTH 2"
- SLABS ON GRADE 1 1/2" FROM TOP

**TESTING AND INSPECTIONS**

THE CONTRACTOR SHALL NOTIFY THE TESTING LABORATORY SUFFICIENTLY IN ADVANCE TO SCHEDULE ALL TESTING AND INSPECTIONS.

THE TESTING LABORATORY SHALL PREPARE THE APPROPRIATE TEST AND INSPECTION RECORD DOCUMENTS AND DISTRIBUTE THEM TO THE CONTRACTOR, THE ARCHITECT AND THE STRUCTURES.

THE FOLLOWING INSPECTIONS ARE REQUIRED AS A MINIMUM. ADDITIONAL INSPECTIONS MAY BE REQUIRED AS CONDITIONS WARRANT:

FOUNDATION & WALL REINFORCING & PLACEMENT STRUCTURAL STEEL FRAMING.

THE FOLLOWING TESTS ARE REQUIRED AS A MINIMUM. ADDITIONAL TESTS MAY BE REQUIRED AS CONDITIONS WARRANT.

CONCRETE COMPRESSIVE STRENGTH. PREPARE A MINIMUM OF 4 SPECIMENS FOR EACH 500 CUBIC YARDS OR LESS OF EACH CONCRETE CLASS PER DAY IN ACCORDANCE WITH ASTM C31. TEST IN ACCORDANCE WITH ASTM C39.

CONCRETE SLUMP. PERFORM AT LEAST ONE SLUMP TEST FOR EACH SET OF COMPRESSIVE STRENGTH SPECIMENS. TEST IN ACCORDANCE WITH ASTM C143.

CONCRETE AIR CONTENT. DETERMINE AIR CONTENT FOR EACH STRENGTH TEST IN ACCORDANCE WITH EITHER THE PRESSURE METHOD, ASTM C231, THE VOLUMETRIC METHOD, ASTM C 119 OR THE GRAVIMETRIC METHOD, ASTM C138.

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