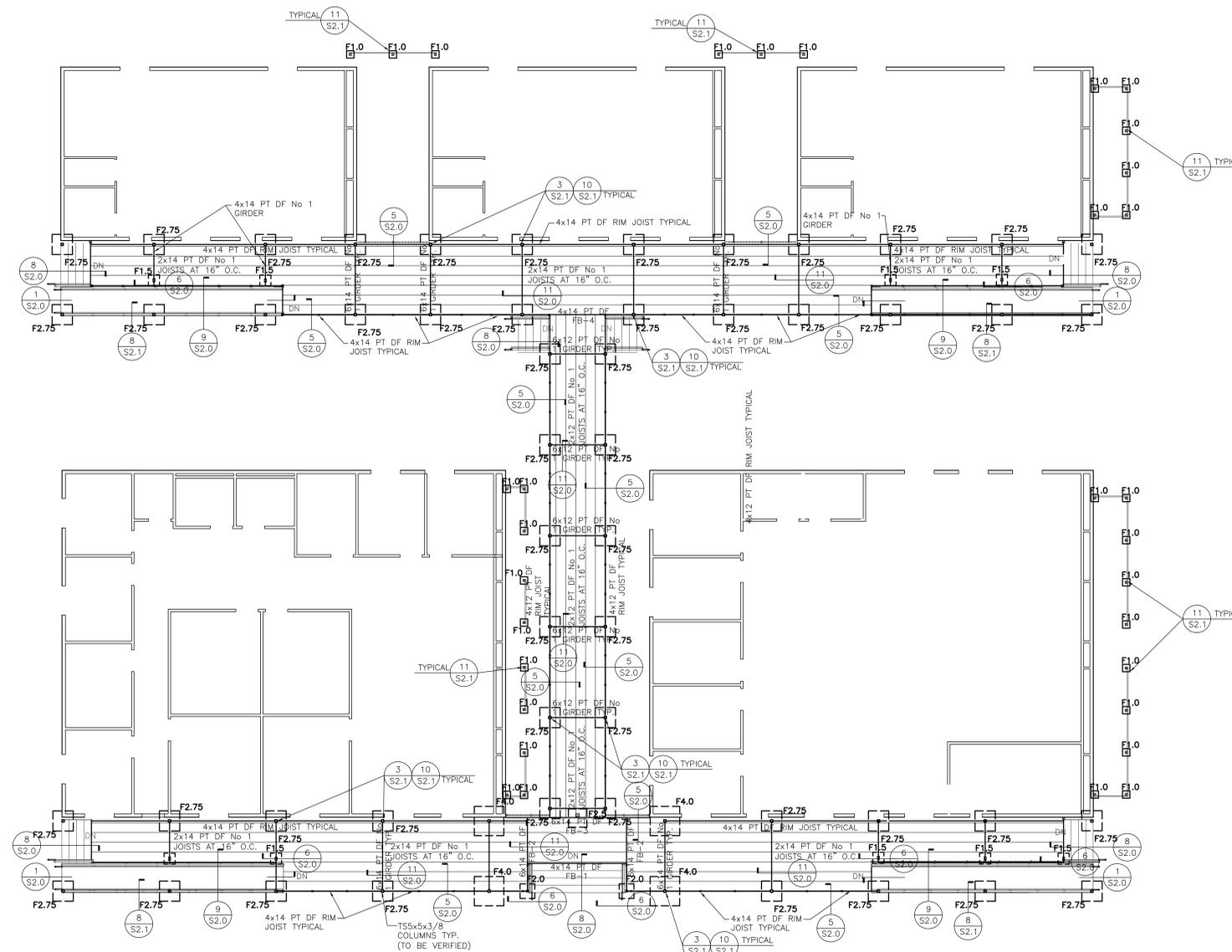


FOUNDATION NOTES

1. FOOTINGS SHALL BE SEATED A MIN. OF 18" BELOW GRADE & 24" BELOW GRADE AT MOMENT FRAME FOOTINGS & BE SEATED IN COMPETENT SOIL.
2. ALL HOLDOWN ANCHORS SHALL BE TIED IN PLACE PRIOR TO CALLING FOR A FOUNDATION INSPECTION.



PAD FOOTING SCHEDULE	
TYPE	SIZE
F1.0	12" SQ. x 18" THICK W/ 2-#4 BARS EA WAY TOP & BOTTOM
F1.5	18" SQ. x 18" THICK W/ 2-#4 BARS EA WAY TOP & BOTTOM
F2	2'-0" SQ. x 18" THICK W/ 2-#4 BARS EA WAY TOP & BOTTOM
F2.5	2'-6" SQ. x 18" THICK W/ 3-#4 BARS EA WAY TOP & BOTTOM
F2.75	2'-9" SQ. x 24" THICK W/ 3-#5 BARS EA WAY TOP & BOTTOM
F3	3'-0" SQ. x 24" THICK W/ 3-#5 BARS EA WAY TOP & BOTTOM
F3.5	3'-6" SQ. x 24" THICK W/ 4-#5 BARS EA WAY TOP & BOTTOM
F4	4'-0" SQ. x 24" THICK W/ 4-#5 BARS EA WAY TOP & BOTTOM

A FOUNDATION AND WALKWAY FRAMING PLAN
SCALE: 1/8" = 1'-0"

three inches = one foot
 one and one half inches = one foot
 one inch = one foot
 three quarters inch = one foot
 one half inch = one foot
 three eighths inch = one foot
 one quarter inch = one foot
 one eighth inch = one foot

Revisions:	Date
(13-247)ISSUE FOR COUNTY REVIEW	02/03/14
(13-245)ISSUE FOR 95% DESIGN DEVELOPMENT	01/29/14
(13-222)ISSUE FOR 35% SCHEMATIC DESIGN	10/29/13

CONSULTANTS:

KEY PLAN



ARCHITECT/ENGINEERS:

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BCA Project No. 14208

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Drawing Title:
FOUNDATION AND WALKWAY FRAMING PLAN

Approved: Project Director

Project Title:
RENOVATE STOCKTON MODULAR FOR AESTHETIC IMPROVEMENTS

Project Number:
640-13-180C

Building Number:
TRAILERS

Location:
STOCKTON CBQC

Date: 02/03/14
Checked: G. Clifford
Drawn: W. Shaffer

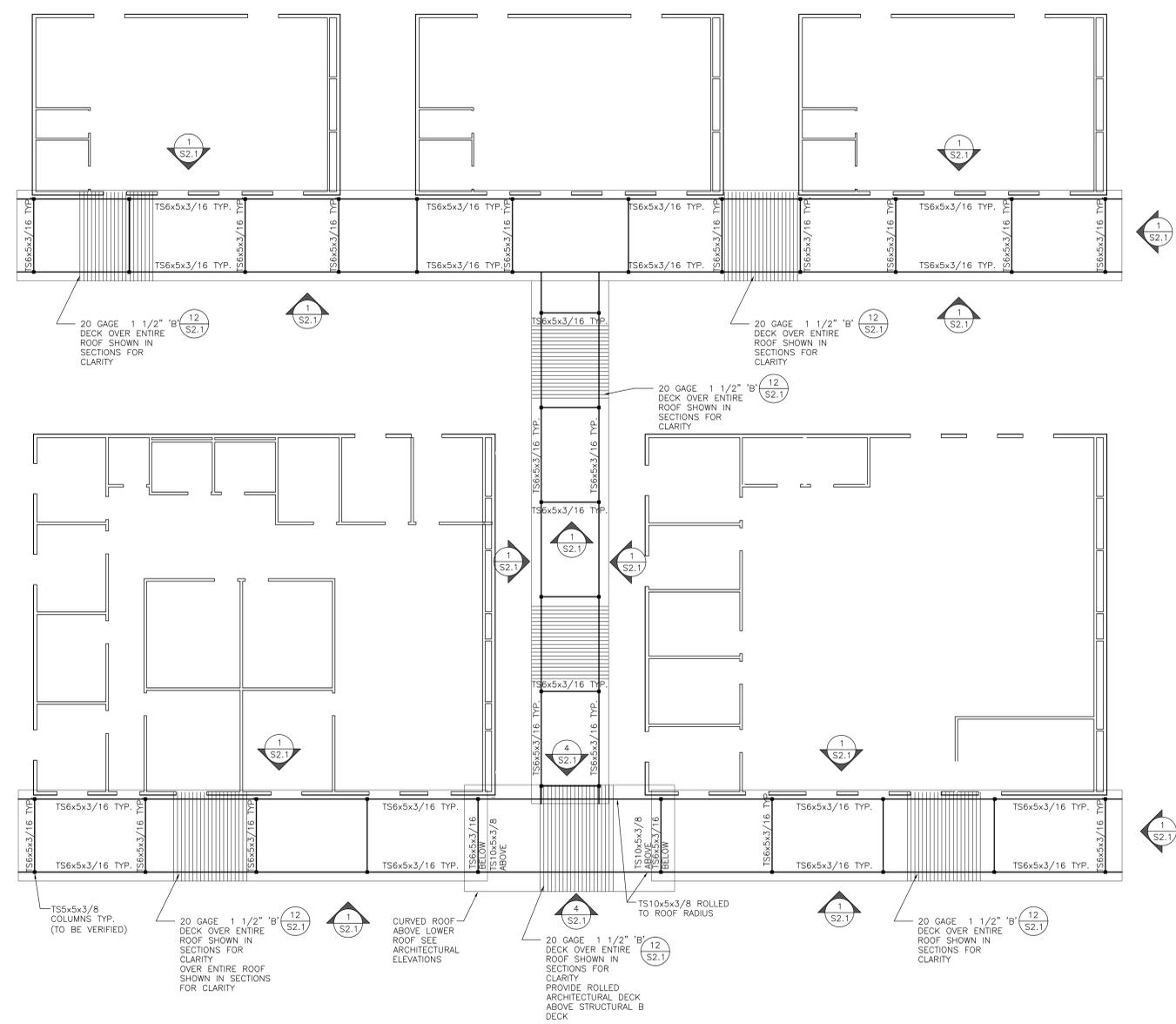
Dwg. of: **S-40-1.0**



STEEL DECK NOTES

- ROOF DECK: 36 WIDE B x 20 ga.
- HILTI X-EDN19 SCREWS OR SIMILAR WITH NEOPRENE WASHER 4 PER SHEET WITH SIDE LAP SCREWS AT 18" O.C. ATTACH TO PARALLEL BEAMS WITH SCREWS AT 12" O.C.

12
S2.1



A CANOPY ROOF FRAMING PLAN
SCALE: 1/8" = 1'-0"

three inches = one foot
one and one half inches = one foot
one inch = one foot
three quarters inch = one foot
one half inch = one foot
three eighths inch = one foot
one quarter inch = one foot
three sixteenths inch = one foot
one eighth inch = one foot

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KEY PLAN

STAMP

 2/10/2014

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Checked: G. Clifford

Drawn: W. Shaffer

Dwg. of: **S-40-1.1**

Office of Facilities Management
 Department of Veterans Affairs

STRUCTURAL NOTES

- A. GENERAL**
1. ALL WORK SHALL CONFORM TO CURRENT CALIFORNIA BUILDING CODES, FEDERAL, STATE AND LOCAL CODE REQUIREMENTS, LAWS AND ORDINANCES.
 2. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS AT THE JOB SITE AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN ACTUAL CONDITIONS AND WHAT IS SHOWN ON THE DRAWINGS BEFORE PROCEEDING WITH THE WORK.
 3. ANY OMISSIONS OR CONFLICTS BETWEEN THE ARCHITECTURAL, STRUCTURAL AND MECHANICAL DRAWINGS SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT BEFORE ANY RELATED WORK IS STARTED.
 4. SHOP DRAWINGS REQUIRED BY THE SPECIFICATIONS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FABRICATION, AND ALLOW REASONABLE TIME FOR REVIEW AND APPROVAL BY THE STRUCTURAL ENGINEER.
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE SAFETY OF THE BUILDING DURING THE CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ADEQUATE SHORING, BRACING AND GUYS IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES. ANY DEVIATIONS MUST BE APPROVED PRIOR TO ERECTION.
 6. MECHANICAL EQUIPMENT MUST BE FIRMLY ATTACHED TO THE STRUCTURE. ALL MECHANICAL EQUIPMENT INTENDED TO BE SUPPORTED ON, OR FROM THE STRUCTURE, UNLESS INDICATED WITHIN STRUCTURAL DRAWINGS, SHALL BE SUBMITTED TO THE ARCHITECT FOR ENGINEER'S APPROVAL PRIOR TO INSTALLATION.
 7. ALL CONDITIONS NOT CLEARLY SHOWN OR DETAILED SHALL BE OF THE SAME TYPE AND CHARACTER AS THOSE SHOWN FOR SIMILAR CONDITIONS.

- B. FOUNDATION**
1. FOUNDATION DESIGN IS BASED ON A SOIL BEARING CAPACITY OF 1500 PSF PER C.B.C. TABLE 1806.2.
 2. FOUNDATION EXCAVATIONS SHALL BE CLEAN AND FREE OF DEBRIS AND FOUNDED COMPETENT SOIL AT A MINIMUM 18" BELOW LOWEST ADJACENT GRADE BEFORE ADDING STEEL OR CONCRETE.

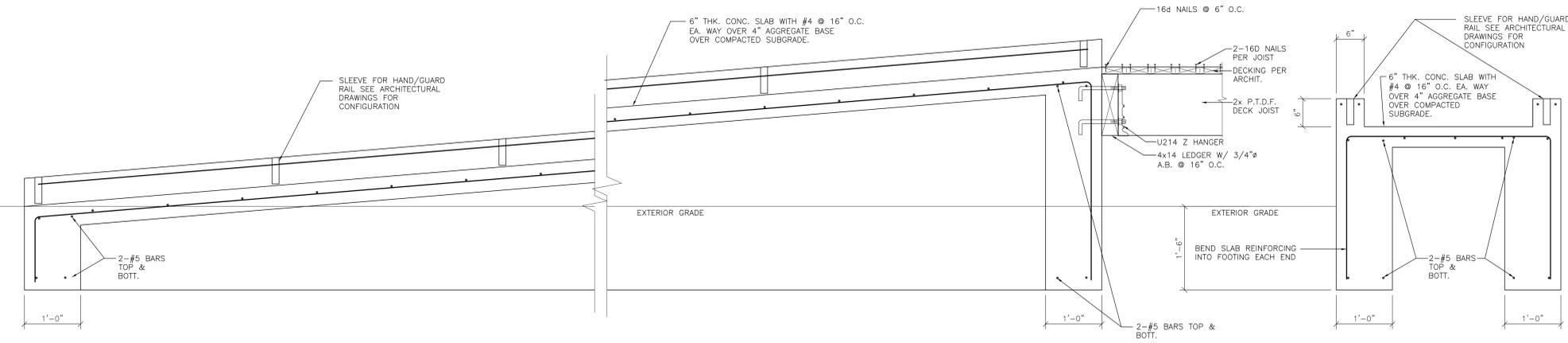
- C. CONCRETE**
1. ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS.
 2. CONCRETE SHALL BE REGULAR WEIGHT HARD ROCK TYPE (150#/CF). AGGREGATE SHALL CONFORM TO ASTM C33, U.N.O.
 3. CEMENT SHALL CONFORM TO ASTM C150, TYPE 1 OR 2.
 4. PLACEMENT OF CONCRETE SHALL BE IN CONFORMANCE WITH ACI 318.
 5. CONCRETE SHALL BE MACHINE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C-94. SUBMIT MIX DESIGN TO THE ARCHITECT FOR APPROVAL PRIOR TO PLACING CONCRETE.
 6. PROVIDE MINIMUM CLEAR COVER OF CONCRETE OVER REINFORCING AS FOLLOWS:
 - A) AGAINST EARTH FORM - 3 INCHES
 - B) EXPOSED TO EARTH BUT POURED AGAINST FORM - 2 INCHES

- D. REINFORCING STEEL**
1. ALL REINFORCING STEEL SHALL CONFORM TO ASTM SPECIFICATION A615 GRADE 60 UNLESS OTHERWISE NOTED IN THESE PLANS. SPLICES SHALL BE LOCATED AS DETAILED IN THE PLANS. STAGGER ALL LAPS AND SPLICES.
 2. ALL REINFORCING STEEL SHALL BE LAPPED AS NOTED BELOW. SEE 7/51.2 UNLESS OTHERWISE NOTED IN THESE PLANS. STAGGER ALL LAPS AND SPLICES.
 3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A82 AND A185.
 4. ANCHOR BOLTS, DOWELS AND OTHER EMBEDDED ITEMS SHALL BE SECURELY TIED IN PLACE BEFORE CONCRETE IS PLACED. USE CUT THREAD ANCHOR BOLTS ONLY.

- E. STRUCTURAL AND MISCELLANEOUS STEEL**
1. FABRICATION AND ERECTION TO BE IN ACCORDANCE WITH LATEST AISC SPECIFICATIONS. STRUCTURAL STEEL SHALL BE ASTM A36, EXCEPT TUBE COLUMNS WHICH ARE ASTM A500, GRADE B.
 2. ALL WELDING SHALL BE PERFORMED WITH E-70 ELECTRODES BY WELDERS CERTIFIED TO COMPLETE THE WELDS SPECIFIED ON THESE PLANS. ALL WELDING SHALL CONFORM TO THE STRUCTURAL WELDING CODE (AWS-D1.1-2004) OF THE AMERICAN WELDING SOCIETY.
 3. ALL PLATES, ETC., TO BE BOLTED TO CONCRETE ELEMENTS, SHALL NOT BE FABRICATED UNTIL THE BOLTS HAVE BEEN LOCATED IN THE FIELD.
 4. BOLTS SHALL BE ASTM A307 TYPE. THREADS MAY BE INCLUDED IN THE SHEAR PLANES.
 5. STEEL TO BE SHOP PRIMED FOR, EXCEPT WHERE EMBEDDED IN CONCRETE OR TO BE WELDED.
 6. ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY AN INDEPENDENT INSPECTOR APPROVED BY THE BUILDING DEPARTMENT.

- F. WOOD FRAME CONSTRUCTION**
1. GENERAL WOOD FRAMING: WOOD FRAMING THROUGHOUT THE BUILDING SHALL BE CONSTRUCTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE (2013) AND THE STANDARD PRACTICES RECOMMENDED BY AMERICAN INSTITUTE OF TIMBER CONSTRUCTION AND WCLA GRADING. FOR NAILING SEE 2304.9.1. BOLTS IN WOOD FRAMING SHALL BE STANDARD MACHINE BOLTS WITH SQUARE 2x2x3/16 WASHERS.
 2. JOIST HANGER AND MISCELLANEOUS CONNECTORS: MEMBERS NOT RESTING ON, OR FRAMED OVER THEIR SUPPORT SHALL BE SUPPORTED BY MEANS OF "SIMPSON STRONG-TIE" JOIST HANGERS. HANGERS SHALL COMPLY WITH AND BE NAILED IN ACCORDANCE WITH MANUFACTURER'S ICC APPROVALS.
 3. WOOD PLATES: BEARING DIRECTLY UPON CONCRETE SHALL BE PRESSURE TREATED D.F.
 4. UNLESS OTHERWISE NOTES ON DRAWINGS OR IN SPECIFICATIONS FRAMING MEMBERS SHALL HAVE THE FOLLOWING GRADING:
 - A) ALL BEAMS, COLUMNS, POSTS AND CANTILEVER JOISTS AT BALCONIES: DOUGLAS FIR, GRADE MARK - NO. 1.
 - B) FRAMING: JOISTS, STUDS, PLATES, RAFTERS: DOUGLAS FIR, GRADE MARK - NO. 2.
 5. PLYWOOD SHEATHING: SHALL BE DFPA CDX OR OSB OR EQUAL UNLESS OTHERWISE NOTED ON DRAWINGS. SOFTWOOD PLYWOOD USED STRUCTURALLY SHALL CONFORM TO PRODUCT STANDARDS PS 1-95 AND SHALL BEAR THE DFPA GRADE - TRADEMARK OF THE AMERICAN PLYWOOD ASSOCIATION. ROOF SHEATHING SHALL BE 5/8 INCHES THICK (32/16), 5 PLY. FLOOR SHEATHING SHALL BE 3/4 INCHES THICK (48/24), TONGUE AND GROOVED AND SHALL BE GLUED AND NAILED. WALL SHEATHING SHALL BE A MIN. OF 1/2 INCHES THICK, U.N.O.
 6. FRAMING CONTRACTOR SHALL PROTECT HIS WORK FROM ANY DAMAGES DUE TO WEATHER CONDITIONS AT TIME OF CONSTRUCTION.

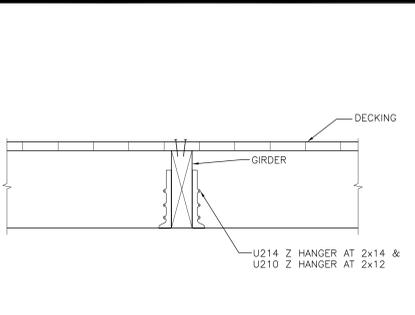
- G. NAIL SCHEDULE**
1. WOOD MEMBERS SHALL BE CONNECTED WITH NAILING INDICATED IN NDS-SDPSW TABLE 4.3A (WALL), TABLE 4.2A (ROOF) & CBC 2304.9.1 FASTENING SCHEDULE UNLESS GREATER SIZES AND NUMBER OF NAILS ARE SHOWN OR NOTED ON DRAWINGS. NAILS EXPOSED TO WEATHER SHALL BE GALVANIZED. NAILS SHALL BE COMMON WIRE NAILS; HOLES FOR NAILS SHALL BE PROVIDED WHERE THE WOOD MEMBERS TEND TO SPLIT; WOOD MEMBERS SHALL BE REPLACED AND REMOVED FROM JOB PROMPTLY. SHORT PLYWOOD NAILS FOR EQUIVALENT SHEAR VALUE MAY BE USED. SEE PLANS FOR NAIL SPACING, ROOF SHEATHING 8d AT 6 INCHES O.C. AT SUPPORTED EDGES, 8d AT 12 INCHES O.C. INTERMEDIATE SUPPORTS. FLOOR SHEATHING 8d AT 6 INCHES O.C. AT BOUNDARIES AND PANEL EDGES AND 8d AT 10 INCHES O.C. AT INTERMEDIATE SUPPORTS. PLYWOOD WALL SHEATHING SHALL BE NAILED PER SHEAR WALL SCHEDULE AT SHEAR WALLS, AND AT A MINIMUM OF 8d AT 6 INCHES O.C. ALL OTHER EDGES.
 2. AT PRESSURE TREATED LUMBER USE HOT-DIPPED GALVANIZED, STAINLESS STEEL, SILICON BRONZE, OR COPPER. CBC 2304.9.5



DETAIL AT RAMP

1"=1'-0"

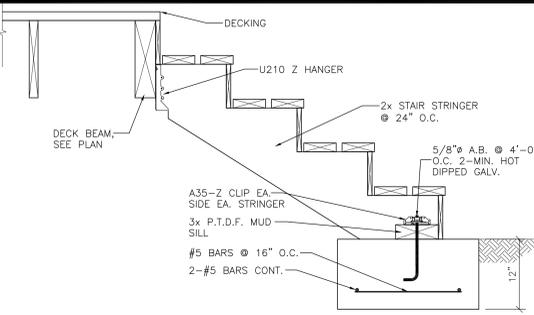
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DETAIL AT GIRDER

1"=1'-0"

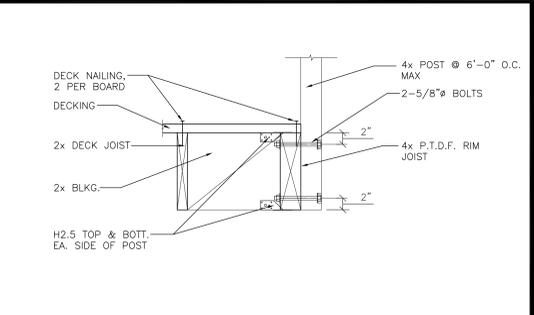
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STAIR DETAILS

1"=1'-0"

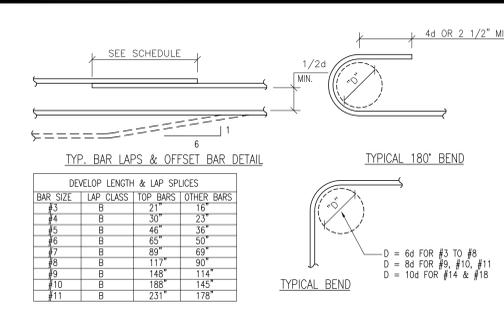
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DETAIL AT EDGE OF WALKWAY

1"=1'-0"

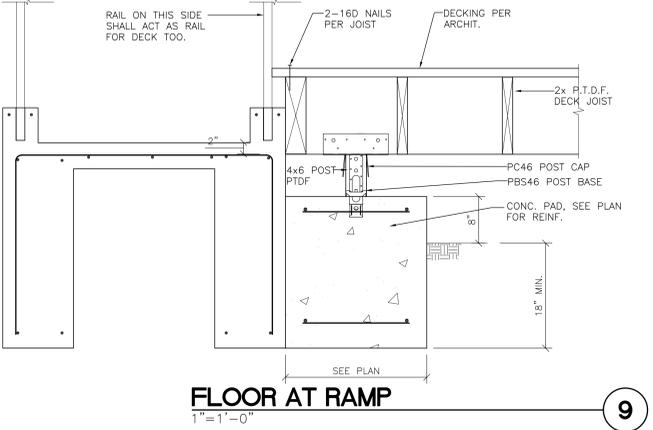
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TYP. BAR LAPS AND OFFSETS

1"=1'-0"

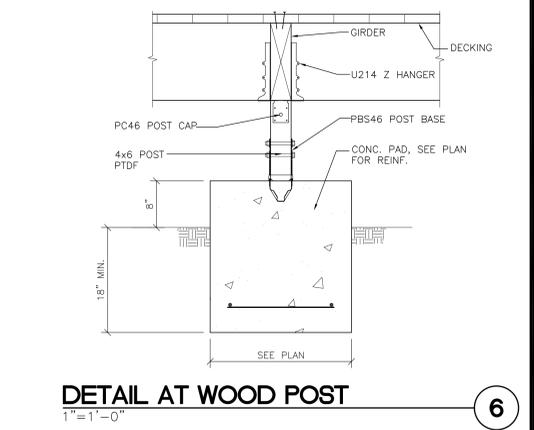
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FLOOR AT RAMP

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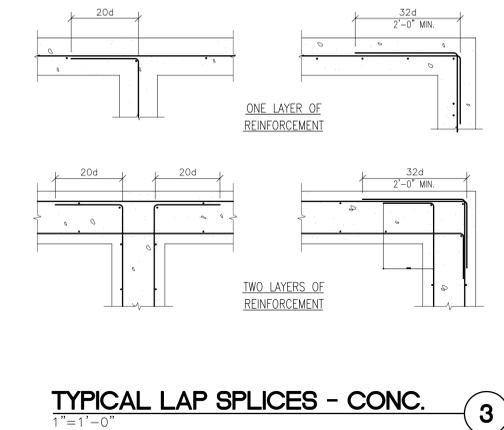
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DETAIL AT WOOD POST

1"=1'-0"

6



TYPICAL LAP SPLICES - CONC.

1"=1'-0"

3

SPECIAL INSPECTION

1. FIELD WELDING
2. EPOXY - SET ANCHOR BOLTS
3. CONCRETE AND REINFORCING PLACEMENT

DESIGN INFORMATION

ROOF LOAD DL = 15 PSF LL = 20 PSF
 FLOOR LOAD DL = TO SUIT CONDITION LL = 40 PSF
 CODE: 2013 CBC, 2012 IBC ASCE 7-10
 ANALYSIS PROCEDURE: SIMPLIFIED METHOD
 SEISMIC DESIGN CATEGORY = C
 $R = 1.00$ LESS THAN 250 OCCUPANTS
 $F_a = 1.5$
 $S_s = 0.968$ $S_1 = 0.396$
 $S_{ms} = 1.077$ $S_{ds} = 0.718$ $S_{d1} = 0.396$
 SITE CLASS = C
 $V = \frac{SDS W}{R}$ $F = 0.205W$
 $V = 0.147 W$ WORKING STRESS
 WIND LOAD = 85 MPH EXP. B. $\lambda = 1.00$ AND $lw = 1$

CONSULTANTS:

Issue Number	Date
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(13-222)ISSUE FOR 35% SCHEMATIC DESIGN	10/29/13

KEY PLAN

STAMP



ARCHITECT/ENGINEERS:

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 BCA Project No. 14208

Project Title:

STRUCTURAL NOTES AND STRUCTURAL DETAILS
 Approved: Project Director

Project Title:

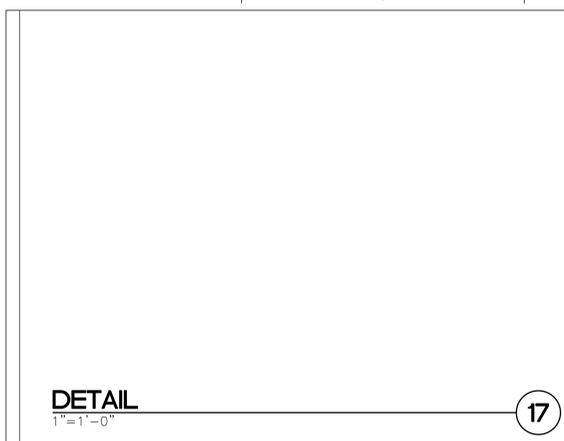
RENOVATE STOCKTON MODULAR FOR AESTHETIC IMPROVEMENTS TRAILERS
 Location: **STOCKTON CBOC**
 Date: 02/03/14
 Checked: G. Clifford
 Drawn: W. Shaffer

Project Number: **640-13-180C**
 Building Number: **TRAILERS**

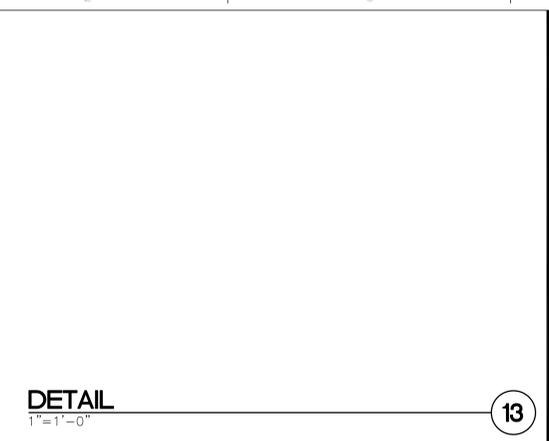
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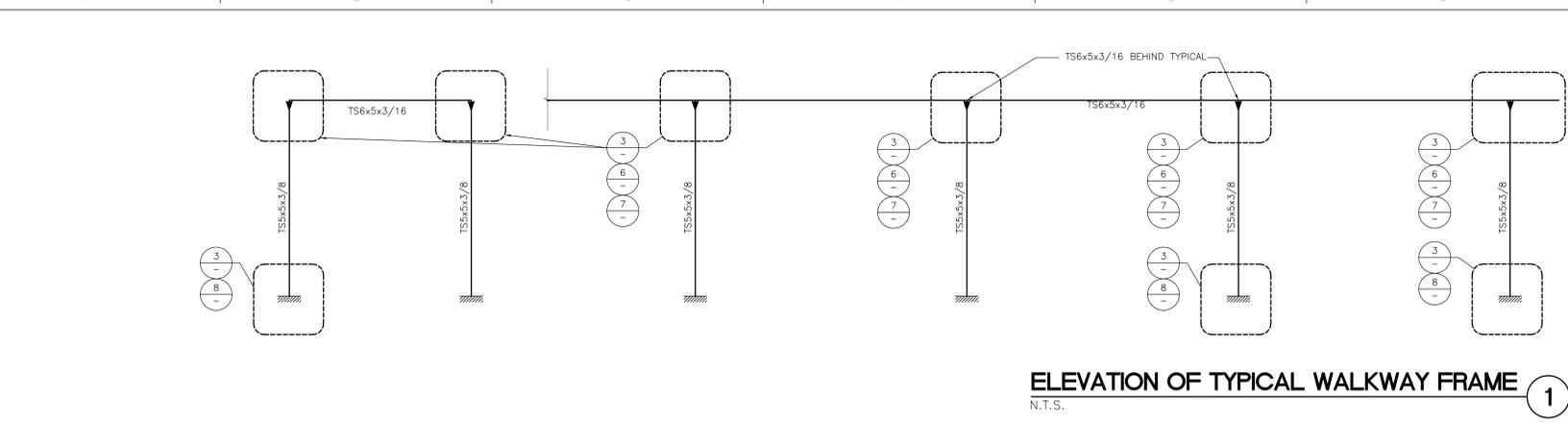
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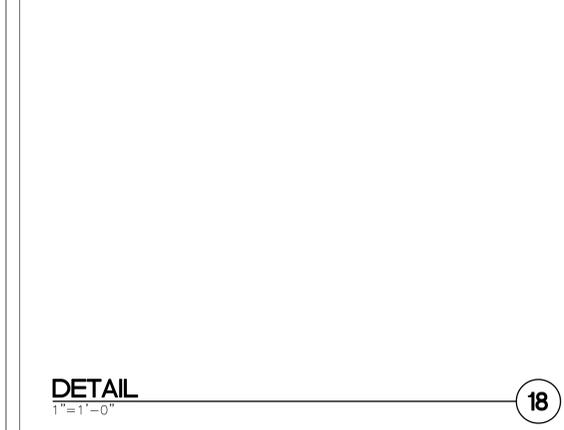
DETAIL
 1"=1'-0" **17**



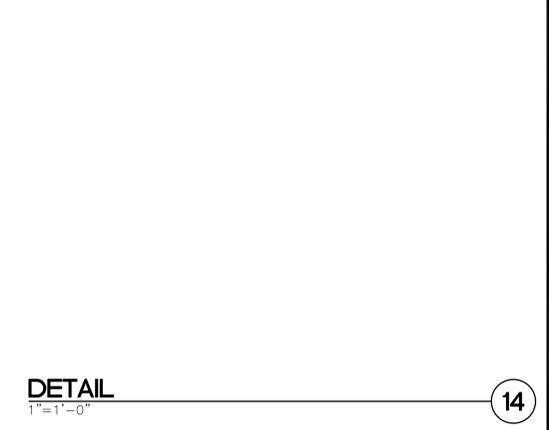
DETAIL
 1"=1'-0" **13**



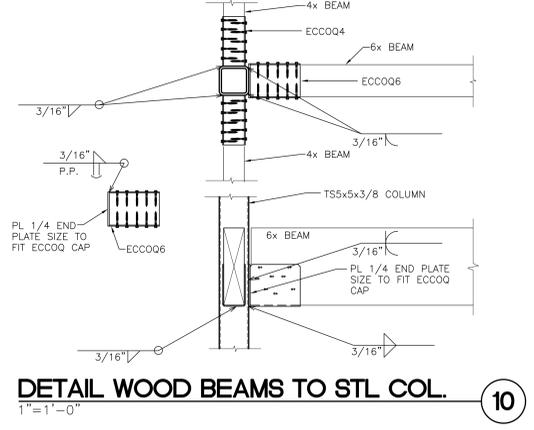
ELEVATION OF TYPICAL WALKWAY FRAME
 N.T.S. **1**



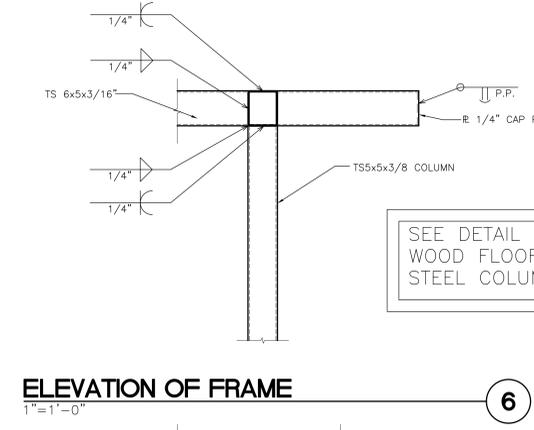
DETAIL
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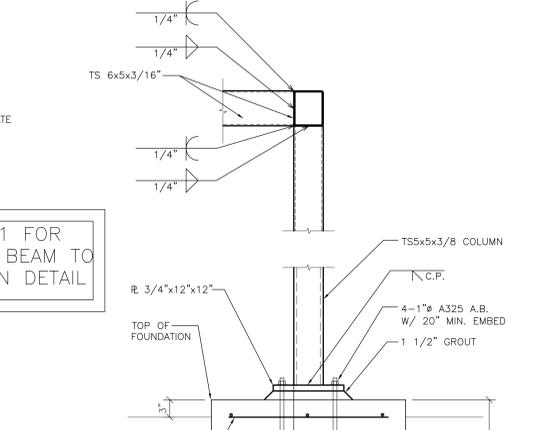
DETAIL
 1"=1'-0" **14**



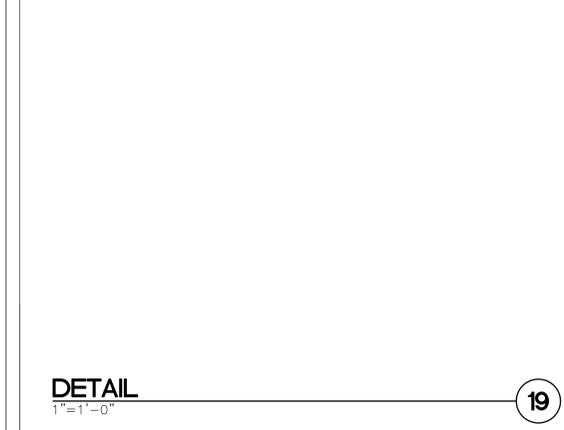
DETAIL WOOD BEAMS TO STL COL.
 1"=1'-0" **10**



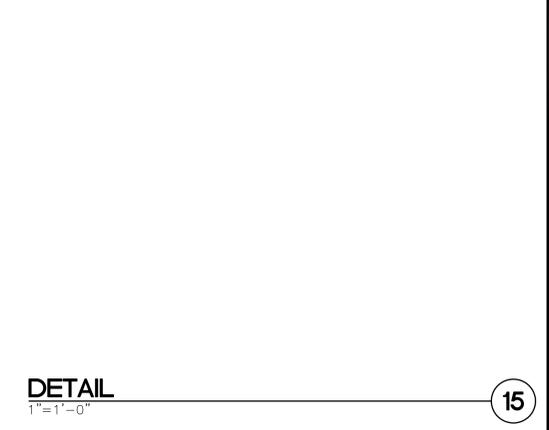
ELEVATION OF FRAME
 1"=1'-0" **6**



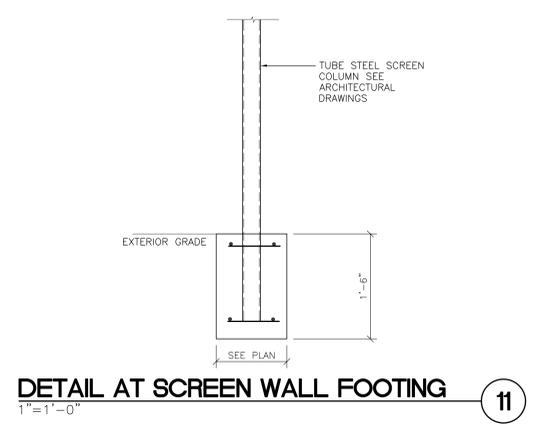
SECTION AT FRAME
 1"=1'-0" **3**



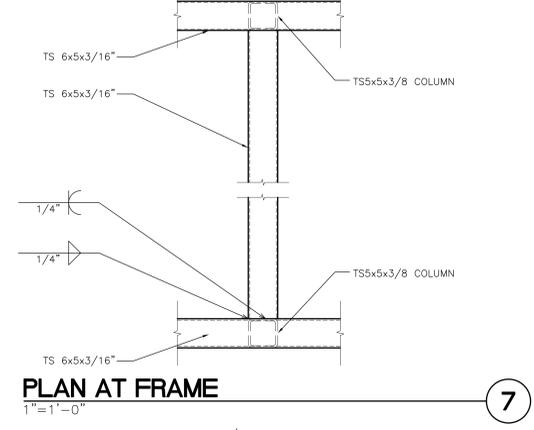
DETAIL
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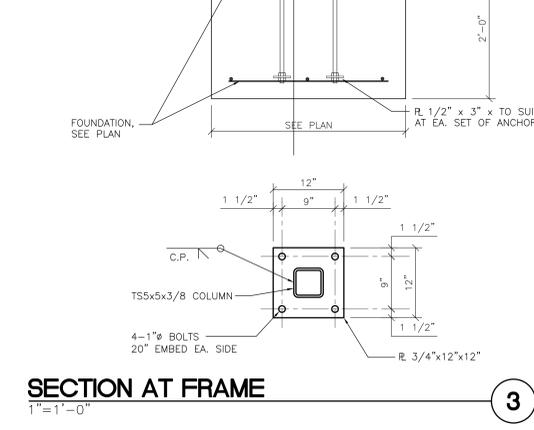
DETAIL
 1"=1'-0" **15**



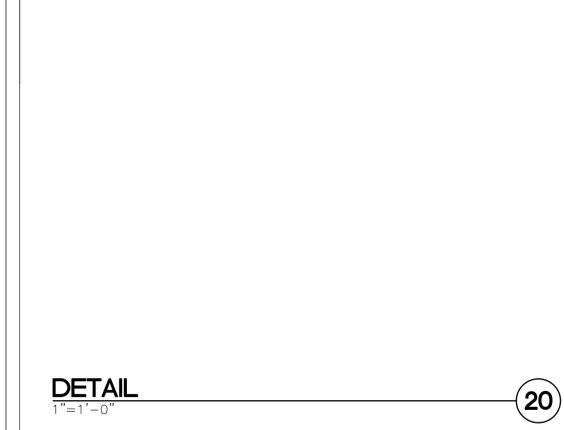
DETAIL AT SCREEN WALL FOOTING
 1"=1'-0" **11**



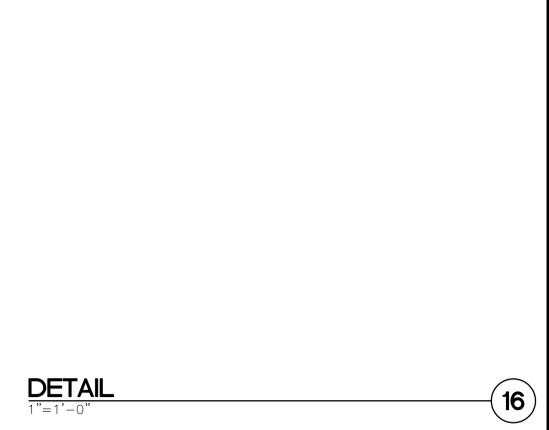
PLAN AT FRAME
 1"=1'-0" **7**



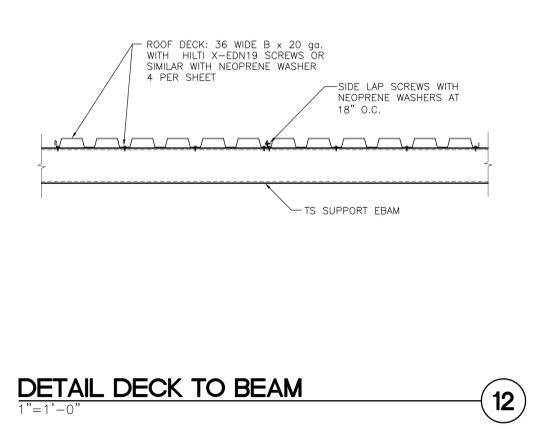
SECTION AT FRAME
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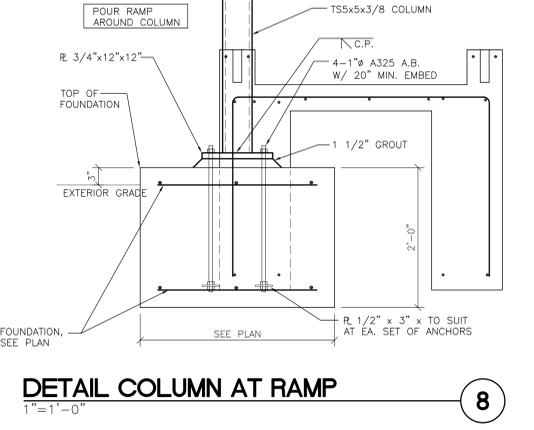
DETAIL
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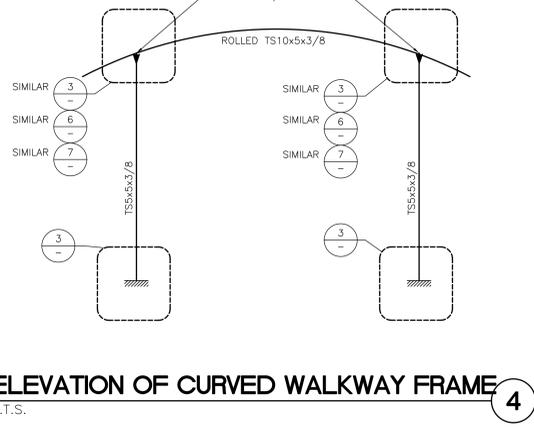
DETAIL
 1"=1'-0" **16**



DETAIL DECK TO BEAM
 1"=1'-0" **12**



DETAIL COLUMN AT RAMP
 1"=1'-0" **8**



ELEVATION OF CURVED WALKWAY FRAME
 N.T.S. **4**

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CONSULTANTS:	KEY PLAN

STAMP	ARCHITECT/ENGINEERS:
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ARCHITECT/ENGINEERS:	STRUCTURAL DETAILS
ONLY WET SIGNED DOCUMENTS CONSTITUTE ADVANCE DESIGN CONSULTANTS, INC. PROFESSIONAL WORK AND REPRODUCE OTHER REPRODUCIBLE DOCUMENTS. MAKE SURE YOU ARE WORKING WITH THE CORRECT DOCUMENT. IF THERE ARE ANY DIFFERENCES BETWEEN THE WET SIGNED DOCUMENTS AND ANY OTHER DOCUMENTS, THE WET SIGNED DOCUMENTS SHALL GOVERN. ADVANCE DESIGN CONSULTANTS, INC. IS NOT RESPONSIBLE FOR ANY MODIFICATIONS MADE TO OUR DOCUMENTS BY ANYONE OTHER THAN AUTHORIZED REPRESENTATIVES OF ADVANCE DESIGN CONSULTANTS, INC.	Drawing Title: STRUCTURAL DETAILS Approved: Project Director

PROJECT INFORMATION	DATE	CHECKED	DRAWN
Project Number: 640-13-180C Building Number: TRAILERS Drawing Number: S-40-2.1	02/03/14	G. Clifford	W. Shaffer

Office of Facilities Management
 Department of Veterans Affairs