1. CONTRACTOR SHALL BE RESPONSIBLE FOR SHORING AND BRACING ALL WORK DURING CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL OSHA REGULATIONS ON THE PROJECT SITE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS SHOWN AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO FABRICATION AND CONSTRUCTION.

- 2. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES OF CONSTRUCTION SELECTED BY THE CONTRACTOR OR THE SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL TO THE WORK OF THE CONTRACTOR. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE FAILURE OF THE CONTRACTOR TO PERFORM THE CONSTRUCTION WORK IN ACCORDANCE WITH DRAWINGS. THE COST OF ANY TESTS OR WORK REQUIRED BECAUSE OF CONTRACTOR'S FAILURE TO PERFORM IN ACCORDANCE WITH THE DRAWINGS SHALL BE BORNE BY THE CONTRACTOR.
- 3. ALL MATERIAL, WORKMANSHIP, AND DESIGN SHALL CONFORM TO THE INTERNATIONAL BUILDING CODE, CURRENT
- 4. REFERENCE TO STANDARD SPECIFICATIONS OF ANY TECHNICAL SOCIETY, ORGANIZATION, OR ASSOCIATION, OR TO CODES OF LOCAL OR STATE AUTHORITIES, SHALL MEAN THE LATEST STANDARD, CODE, SPECIFICATION, UNLESS SPECIFICALLY STATED OTHERWISE.
- 5. BOTH BAILEY AND SON ENGINEERING, INC. AND THE ENGINEER WHOSE PROFESSIONAL SEAL IS AFFIXED TO THESE CONTRACT DRAWINGS DISCLAIM ANY IMPLIED WARRANTIES OF ANY KIND WHATSOEVER INCLUDING THE IMPLIED WARRANTY OF MERCHANTABILITY, THE IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE AND ANY IMPLIED WARRANTY OF FITNESS OF THESE DRAWINGS AND/OR SPECIFICATIONS.
- 6. THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS PRIOR TO FORWARDING TO THE ENGINEER OF RECORD. DRAWINGS SHALL BEAR THE CONTRACTOR'S APPROVAL STAMP ACCEPTING RESPONSIBILITY FOR DIMENSIONS, QUANTITY, AND COORDINATION WITH ALL DISCIPLINES.
- 6. THE REHABILITATION OF AN EXISTING STRUCTURE REQUIRES ASSUMPTIONS TO BE MADE REGARDING EXISTING CONDITIONS. THESE ASSUMPTIONS MAY NOT BE VERIFIABLE WITHOUT ADDITIONAL COST OR WITHOUT DESTROYING OTHERWISE SERVICEABLE PORTIONS OF THE STRUCTURE. THE ENGINEER SHALL NOT BE LIABLE FOR ANY COST ARISING FROM THE DISCOVERY OF UNKNOWN CONDITIONS IN THE EXISTING STRUCTURE.

CONCRETE AND REINFORCING NOTES:

- 1. ALL CONCRETE WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH ACI 318, INCLUDING HOT WEATHER CONCRETING PROCEDURES IN ACI 305 AND COLD WEATHER CONCRETING PROCEDURES IN ACI 306.
- 2. MATERIALS SHALL MEET THE FOLLOWING REQUIREMENTS, UNLESS NOTED OTHERWISE:

SLAB ON GRADE CONCRETE.....4000 PSI* - MIN. COMPRESSIVE STRENGTH @ 28 DAYS - PROVIDE 6% AIR ENTRAINING IN CONCRETE EXPOSED TO WEATHER. - CONCRETE IN WALLS TO ALSO HAVE A HIGH RANGE WATER REDUCER (HRWR). SLUMP FOR WALLS TO BE 3 INCHES BEFORE ADDING HRWR. SLUMP FOR FOOTINGS TO BE 2 TO 4 INCHES. REINFORCING BARS...... ...ASTM A615, GRADE 60

WELDABLE REINFORCING BARS.....ASTM A706, GRADE 60 ANCHOR BOLTS, SLEEVES, AND OTHER EMBEDDED STEEL.....ASTM A36 WELDED WIRE FABRIC..... ...ASTM A185 CONCRETE AGGREGATE.....

- 3. CONCRETE CURING COMPOUND SHALL MEET ASTM C1315 WITH A MIN. OF 25% SOLIDS CONTENT BY VOLUME.
- 4. ALL REINFORCING SPLICES SHALL BE CLASS "B" PER ACI 318, UNLESS NOTED OTHERWISE.
- 5. REFER TO PLAN VIEW A2/S1.0 FOR LOCATIONS OF SLAB SLOPES.
- 6. LIMIT USE OF FLY ASH TO NOT EXCEED 20% OF CEMENTITIOUS MATERIAL BY WEIGHT (CEMENT + FLY ASH).
- 7. USE TYPE K EXPANSIVE CEMENT AND 3/8" MAXIMUM AGGREGATE SIZE FOR THE WEARING SERVICE IN LIEU OF CONTROL JOINTS.

STRUCTURAL STEEL NOTES:

1. DESIGN, FABRICATION, AND ERECTION OF ALL STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH THE AISC MANUAL OF STEEL CONSTRUCTION, FOURTEENTH EDITION, UNLESS NOTED OTHERWISE.

2. MATERIALS SHALL MEET THE REQUIREMENTS OF THE FOLLOWING SPECIFICATIONS:

WIDE FLANGE STRUCTURAL STEEL.....ASTM A992, GRADE 50 STRUCTURAL STEEL...ASTM A36 STRUCTURAL TUBING.....ASTM A500, GRADE B, FY (MIN) = 46 KSI BOLTS.....ASTM A325-N WELDING ELECTRODES.... ...AWS-A5.1, E70XX LOW HYDROGEN (OR EQUAL)ASTM A53, TYPE E OR S, GRADE B STEEL PIPE.....

3. ALL WELDING SHALL BE MADE BY A CERTIFIED WELDER IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN WELDING SOCIETY SPECIFICATIONS D1.1. MINIMUM SIZE OF FILLET WELD SHALL BE 1/16" SMALLER THAN MATERIAL THICKNESS OF THICKER PART JOINED, UNLESS NOTED OTHERWISE.

ELECTRODE STORAGE FOR LOW-HYDROGEN ELECTRODES SHALL BE STORED @ 250° WHEN EXPOSURE EXCEEDS REQUIREMENTS OF COLUMN A, TABLE 51 OF AWS. WELD CLEANING AND PAINTING OF COMPLETED WELDS SHALL BE IN ACCORDANCE WITH AWS.

4. ALL BOLTED CONNECTIONS SHALL BE BEARING-TYPE USING 3/4" DIAMETER AND BROUGHT TO A SNUG TIGHT CONDITION. A325-N BOLTS WITH THREADS INCLUDED IN SHEAR PLANE, UNLESS NOTED OTHERWISE.

5. SURFACE PREPARATIONS FOR STRUCTURAL STEEL SUBJECT TO EXTERIOR ENVIRONMENTAL CONDITIONS SHALL BE CLEANED AND HOT DIPPED GALVANIZED. STEEL NOT SUBJECT TO EXTERIOR ENVIRONMENTAL CONDITIONS SHALL BE CLEANED IN ACCORDANCE WITH SSPC - SP2 (HAND TOOL CLEANING). AND PRIMER WITH SSPC PAINT 15, OR BETTER, 2 MILS DFT AND SHALL BE COMPATIBLE WITH OVERCOAT.

6. WELDS ON GALVANIZED MATERIALS SHALL BE CLEANED AND PAINTED WITH TWO COATS OF ZINC ENRICHED COLD GALVANIZING PAINT.

EXTERIOR INSULATION & FINISH SYSTEM NOTES:

1. PROVIDE AND INSTALL STO QUIK® SILVER NEXT SYSTEM COMPOSITE WALL FINISH SYSTEM CONSISTING OF WATERPROOFING/AIR BARRIER, BASE COAT, REINFORCING MESH AND FINISH COAT APPLIED TO A CEMENT BOARD COMPLYING WITH ASTM C 1325. 1/2" CEMENT BOARD IS ATTACHED TO FRAMING OVER 5/8" DENS GLASS SHEATHING THAT IS PROTECTED WITH THE WATERPROOFING/AIR BARRIER.

- 2. MECHANICAL FASTENERS MINIMUM # 8 TYPE S-12 WAFER HEAD FULLY THREADED CORROSION RESISTANT SCREWS WITH MINIMUM 3/8 INCH (10 MM) PENETRATION INTO STUDS.
- 3. STARTER TRACK VENT SCREEN TRAC®, A RIGID PVC (POLYVINYL CHLORIDE) PLASTIC TRACK WITH DOUBLE ROW OF DRAINAGE HOLES, PART NO. VST-75 AS FURNISHED BY PLASTIC COMPONENTS, INC.
- 4. INSTALL CEMENT BOARD STUCCO SYSTEM IN CONFORMANCE WITH MANUFACTURER'S PUBLISHED INSTRUCTIONS.
- 5. PROVIDE MANUFACTURER'S STANDARD WARRANTY.

METAL COPING SYSTEM:

1. FURNISH AND INSTALL A FACTORY FABRICATED AND FINISHED PERMASNAP DOUBLE SLOPED COPING SYSTEM, WITH GALVANIZED STEEL ANCHOR CLEATS AND CHAIRS AS MANUFACTURED BY A.W.P. HICKMAN COMPANY. THE SYSTEM SHALL BE WATERTIGHT, MAINTENANCE FREE, AND NOT REQUIRE EXPOSED FASTENERS OR SEALANT. JOINTS SHALL BE BUTT YPE WITH CONCEALED SPLICE PLATES.

- 2. CORNERS AND END CAPS SHALL BE FABRICATED BY THE COPING MANUFACTURER.
- 3. FINISH SHALL BE STANDARD PRECOATED KYNAR-500 FROM MANUFACTURER'S COLOR LIST.
- 4. SUBMIT PRODUCT SHOP DRAWINGS FOR REVIEW BEFORE INSTALLATION.
- 5. PROVIDE MANFACTURER'S 20 YEAR EXCELL WARRANTY.

- 1. TEST VERTICAL AND HORIZONTAL MORTAR JOINTS WITH HAMMER AND CHISEL AND CUT OUT ALL WEAK, LOOSE, BROKEN OR OTHERWISE STRUCTURALLY DEFECTIVE MORTAR.
- 2. CUTTING SHALL BE DONE BY MEANS THAT WILL AVOID SPALLING THE EDGES OF THE BRICK.
- 3. THE JOINTS SHALL BE CLEANED OUT AND BACK PACKED WITH NON-SHRINKING MORTAR TO WITHIN 1/2" OF THE SURFACE.
- 4. THE BALANCE OF THE JOINTS SHALL BE CLEANED WITH STIFF WIRE BRUSHES TO REMOVE DUST AND DIRT AND TO LEAVE A CLEAN SURFACE FOR THE NEW MORTAR TO BOND.
- 5. WASH DOWN THOROUGHLY TO REMOVE CUTTING DUST.
- 6. WHILE THE MASONRY IS DAMP, ALL JOINTS SHALL BE POINTED SOLIDLY WITH NON-SHRINKING MORTAR, FLUSH WITH THE BRICK SURFACES.
- 7. NEW JOINTS SHALL BE LEFT UNDER A LIGHTLY TOOLED FINISH TO MATCH EXISTING MORTAR

WATERPROOFING MEMBRANE:

- 1. WATERPROOFING MEMBRANE SHALL BE BITUTHENE SYSTEM 4000 OR APPROVED EQUIVALENT.
- 2. MANUFACTURER'S REPRESENTATIVE SHALL BE CONSULTED PRIOR TO INSTALLATION TO INSURE THAT WATERPROOFING MEMBRANE IS PROPERLY INSTALLED.
- 3. PREPARE THE SURFACE RECEIVING THE WATERPROOFING MEMBRANE PER THE MANUFACTURER'S REPRESENTATIVE TO INSURE AGAINST PUNCTURING THE WATERPROOFING
- 4. BITUTHENE SYSTEM 4000 SURFACE CONDITIONER SHALL BE APPLIED PER MANUFACTURER'S
- 5. APPLY MEMBRANE FROM THE LOW POINT TO THE HIGH POINT SO THAT LAPS SHED WATER. OVERLAP ALL SEAMS AT LEAST 2". STAGGER ALL END LAPS.
- 6. ROLL THE ENTIRE MEMBRANE FIRMLY AND COMPLETELY AS SOON AS POSSIBLE.

STRUCTURAL DRAWING INDEX				
DWG. NO.	DRAWING TITLE			
S0.1	PROJECT NOTES & DRAWING INDEX			
S1.0	PLAN, SECTIONS AND DETAILS			
S1.1	PLAN, ELEVATIONS, SECTIONS AND DETAILS			



	11/13/14 AHC	DATE	DESIGNED BY: AC DRAWN BY: JSD CHECKED BY: AC
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	ISSUED FOR BID		REVISIONS
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DRAWING NUMBER S0.

BaSE Project No. 14105



