

**SHOP DRAWINGS**

- PROVIDE SHOP DRAWINGS TO ARCHITECT FOR:
  - STRUCTURAL STEEL
  - CONCRETE MIX DESIGN
  - REINFORCING STEEL
- SHOP DRAWINGS MUST BE MARKED:
  - NO EXCEPTIONS TAKEN (OR)
  - EXCEPTIONS NOTED PRIOR TO COMMENCING FABRICATION AND ERECTION
- SHOP DRAWINGS MARKED:
  - EXCEPTIONS NOTED RESUBMIT (OR)
  - RESUBMIT MUST BE CORRECTED AND RETURNED TO ARCHITECT FOR REVIEW. NO FABRICATION AND ERECTION CAN COMMENCE UNTIL REREVIEWED UNDER ITEM #2 ABOVE.
- SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF (1) BL SET AND (1) REVERSE READING PAPER SERIAL SET TO THE L ARCHITECT. THE COST OF REPRODUCTION OF THE SHOP DRAWINGS SHALL BE BORNE BY THE CONTRACTOR.
- SUBMIT CONCRETE TESTS BY ACI CERTIFIED LAB FOR 7/14/28 DAY (1) RESERVE CYL (1) SET PER (20) CYD CONC
- ALL SHOP DRAWINGS SHOULD BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE L ARCHITECT. UNREVIEWED MATERIALS WILL BE RETURNED TO THE CONTRACTOR WITHOUT REVIEW BY THE ENGINEER.
- PROVIDE TESTING FOR REPRESENTATIVE SAMPLE OF ALL WELDS AND CONNECTIONS

**DESIGN CRITERIA**

BUILDING CODE: IBC (2006) AND LOCAL AMENDMENTS (CURRENT AASHTO)

LOAD CRITERIA: ROOF LIVE LOAD..... 20 PSF  
 FLOOR/DECK LIVE LOAD..... 100 PSF  
 WIND (LATERAL) TO 30 FT ABOVE GRADE: 20.8 PSF  
 WIND (LATERAL) TO 50 FT ABOVE GRADE: 28.6 PSF

SOIL BEARING PRESSURE: 1500 PSF (MINIMUM IN RESIDUUM AND ENGINEERED FILL (IF ALLOWED BY SOIL'S ENGINEER))  
 VERIFIED BY A SOIL'S ENGINEER REGISTERED IN THE STATE OF GEORGIA PRIOR TO CONSTRUCTION

SOIL'S REPORT: CCG (01FEB2012)

COMPACTION: FOOTINGS..... 98% STD PROCTOR  
 SLABS-IN-GRADE..... 95% STD PROCTOR  
 (UNLESS OTHERWISE RECOMMENDED BY SOIL'S ENGINEER OF RECORD)

FROSTLINE: 12" BELOW GRADE

**GENERAL NOTES**

- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TEMPORARY BRACING AND SHORING DURING CONSTRUCTION
- METHODS AND PROCEDURES FOR CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACT DOCUMENTS SPECIFY THE END PRODUCT ONLY, AND IN NO WAY DICTATE THE PROCEDURE FOR ACHIEVING SUCH PRODUCT.
- ANY DISCREPANCIES BETWEEN EXISTING SITE CONDITIONS AND THOSE DELINEATED ON THE CONTRACT DOCUMENTS SHOULD BE REPORTED TO THE ENGINEER AT ONCE, PRIOR TO ENGAGING IN WORK AFFECTED BY THE DISCREPANCY.

**FENCE NOTES**

- ALL FENCING TO BE PER NOTES ON DWGS
- COLOR TO BE BLACK
- COVERING TO BE VINYL (ALL COMPONENTS)
- ALL PARTS OF SYSTEM TO BE PROVIDED
- INSTALL PER MRF'S RECC'S
- PROVIDE COLOR/PROFILE/MATERIAL SAMPLE PRIOR TO FABRICATION

**ROOF NOTES**

- ALL METAL ROOFING TO BE ALUMINUM ANODIZED ULTRA SEAM US 100 CS STANDING SEAM (.040 ALUM)
- COLOR TO BE DARK BRONZE
- ALL CLIPS/COVERS FASTENERS, DRIPS ETC TO BE PROVIDED
- AT ANGLES AT BENTS, DETAIL TAPERED PANELS
- INSTALL PER MRF'S RECC'S USING 30# FELT UNDER ROOF SKIN
- PROVIDE COLOR/PROFILE/MATERIAL SAMPLE PRIOR TO FABRICATION

**CONCRETE NOTES**

- ALL CONCRETE (WALLS/FTGS) SHALL HAVE F'C = 4000 PSI AT 28 DAYS. ALL CONC (SLABS/CAISSONS) SHALL HAVE F'C = 4000 PSI AT 28 DAYS.
- ALL CONCRETE CONSTRUCTION SHALL BE ACCORDING TO ACI 318 (CURRENT EDITION).
- ALL CONCRETE SHALL HAVE #57 AGGREGATE (NORMAL WEIGHT) AND BE 150 PCF (SLABS #7 STONE AGGREGATE) (MED BROOM FINISH)
- ALL REINFORCING STEEL SHALL HAVE F'Y = 60 (40 FOR WELDABLE) KSI.
- ALL REINFORCING STEEL PLACEMENT TO BE ACCORDING TO CRSI STANDARD (CURRENT ADDITION).
- ALL REINFORCING STEEL SHALL BE FREE FROM RUST AND MILL SCALE PRIOR TO PLACEMENT.
- ALL REINFORCING STEEL SHALL BE 3" CLEAR FROM SOIL WHERE SOIL IS USED AS A FORM AND 2" CLEAR ON OTHER EXTERIOR SURFACES (UON).
- IF PIPE OR CONDUIT CONFLICTS WITH FOOTING LOCATION, LOWER FOOTING AND PASS PIPING THROUGH WALL. USE APPROPRIATE REINFORCEMENT OR LINTEL OVER PIPE. INSTALL 1" COMPRESSIBLE COLLAR AROUND PIPE AS IT PASSES THROUGH WALL.
- MAINTAIN MINIMUM 1'-0" OF COVER ON ALL PERIMETER FOOTINGS FROM FINISHED GRADE TO TOP OF FOOTING.
- ALL REINFORCING STEEL SHALL BE SHOP FABRICATED. NO STEEL TO BE BENT OR CUT IN FIELD WITHOUT CONSENT OF ENGINEER.
- WIRE BOLSTERS W/ PLASTIC FEET OF THE PROPER HEIGHT ARE TO BE USED TO OFFSET REINFORCEMENT AND WWF IN FOOTINGS AND S-D-G.
- SEE L ARCH FOR ANY SURFACE TEXTURING OR TINTING OF CONCRETE, IF REQUIRED.

**STEEL NOTES**

- ALL STRUCTURAL STEEL SHALL HAVE F'Y = 36 KSI, EXCEPT TS SECTIONS WHICH ARE TO BE F'Y = 46 KSI.
- ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO AISC STANDARD (CURRENT EDITION).
- ALL WELDING ROD TO BE E70XX, EXCEPT FOR THAT USED TO WELD WELDABLE REINFORCING STEEL (E60XX).
- ALL WELDING TO BE IN ACCORDANCE WITH AWS STANDARD (CURRENT EDITION).
- ALL STEEL POSTS TO RECEIVE (1) COAT RUST INHIBITIVE PRIMER (SHOP COAT) AND SHALL BE TOUCHED UP IN FIELD AFTER ERECTION, (EXCEPT EMBEDS). ALL CONNECTORS HOT DIPPED GALV
- ALL BOLTS TO BE A-325. LAGS A307, ROD A36
- ALL CONNECTIONS TO CONSIST OF (1) BOLT, (1) NUT, AND (1) WASHER (UNLESS OTHERWISE NOTED).
- ALL ANCHOR BOLTS TO BE A-36.
- BRACE STRUCTURAL FRAME UNTIL ALL PERMANENT BRACING, CONNECTIONS, DIAPHRAGMS, DECKING, SLABS, ETC. ARE IN PLACE.
- ALL CONNECTIONS TO BE DETAILED AND SUBMITTED FOR REVIEW

**WOOD NOTES**

- ALL WOOD TO BE #2 SYP PT AIR DRYED TO 15%
- NO CHECKS, SPLITS, TWISTS, MISSING KNOTS ALLOWED
- ALL WOOD (PT) FROM CERTIFIED WOOD PRESEVITIVE PLANT (SUBMIT CERTIFICATE)
- NO ARSENIC PT WOOD
- ALL CONNECTORS GALV (UON)
- DETAIL SAG RODS AND THEIR CONNECTIONS FOR REVIEW
- USE PT PLYWOOD FOR ROOF DECKING
- USE SIMPSON GALV CONNECTORS FOR 2X FRAMING APPROPRIATE TO APPLICATION
- ALL PT WOOD TO BE COATED PER MRF'S RECC'S W/ PENDFIN PENETRATING OIL(YOSEMITE COLOR) STAIN (DO NOT STAIN CONNECTORS) (2) COATS PROVIDE SAMPLE PRIOR TO INSTALLATION
- THRU BOLT GANGED 2X'S W/ (2) 1/2" DIA TB'S @ 24" OC
- ALL CONNECTIONS TO BE DETAILED, DETAILS PROVIDED ARE A GUIDE AND MAY BE MODIFIED FOR COORDINATION AND FITTING
- DECKING AT EXP JTS SHALL HAVE ALUM EXP PL TO COVER GAP OR LAPPED WOOD JOINT

**ABBREVIATIONS AND SYMBOLS**

- CL - DENOTES 'CENTERLINE'
- AB - DENOTES 'ANCHOR BOLT'
- EA - DENOTES 'EACH'
- WWF - DENOTES 'WELDED WIRE FABRIC'
- LB - DENOTES 'LOAD-BEARING'
- ANG - DENOTES 'ANGLE'
- THK - DENOTES 'THICK'
- W - DENOTES 'WIDE'
- L - DENOTES 'LONG'
- HS - DENOTES 'HEADED STUD'
- S-D-G - DENOTES 'SLAB-ON-GRADE'
- FOB - DENOTES 'FACE OF CMU'
- CMU - DENOTES 'CONCRETE MASONRY UNIT' (CONCRETE BLOCK)
- REINF - DENOTES 'REINFORCEMENT'
- TFE - DENOTES 'TOP OF FOOTING ELEVATION' IN RELATIVE FEET AND HUNDRETHS OF FEET (INT FIN FLR EL = 0.00')
- L7?? - DENOTES 'LINTEL' (SEE SCHEDULE)
- ES - DENOTES 'EACH SIDE'
- EL - DENOTES 'ELEVATION'
- BRG - DENOTES 'BEARING'
- PL - DENOTES 'PLATE'
- T+B - DENOTES 'TOP AND BOTTOM'
- FJ - DENOTES 'FLOOR JOINT' (SEE DETAIL)
- TSEL - DENOTES 'TOP OF STRUCTURAL STEEL ELEVATION' IN RELATIVE FEET AND HUNDRETHS OF FEET
- TOP OF U-BLK EL - DENOTES 'TOP OF CHANNEL CMU ELEVATION' IN RELATIVE FEET AND HUNDRETHS OF FEET (SEE WALL SECTIONS FOR SPECIFIC CONDITIONS)
- D - DENOTES 'DEGREES AND HUNDRETHS OF DEGREES'
- STEP - DENOTES 'STEP IN FOOTING' (SEE TYPICAL DETAIL) CONTRACTOR SHALL COORDINATE STEPS WITH ACTUAL SITE CONDITIONS
- SPOT - DENOTES 'SPOT ELEVATION' TOP OF SLAB, WALL, ETC. IN RELATIVE FEET AND HUNDRETHS OF FEET
- - - DENOTES 'CONTINUOUS HORIZONTAL BRIDGING'
- = = - DENOTES 'DIAGONAL AND HORIZONTAL BRIDGING THIS BAY'
- F.P. - DENOTES STEEL FLITCH PLATE
- EE - DENOTES 'EACH END' OR IN RELATION TO TIES 'END-TO-END'
- TOW - INDICATES 'TOP OF WALL ELEVATION' IN RELATIVE FEET AND HUNDRETHS OF FEET
- S. J. - DENOTES 'STRUT JOIST' (LOCATE @ COLUMN CL)
- S. P. - DENOTES 'SPLICE POINT' (SEE TOP DETAIL)
- DIA - DENOTES 'DIAMETER'
- IF - DENOTES 'INSIDE FACE'
- OSF - DENOTES 'OUTSIDE FACE'

ALL COMPONENTS OF THE COVERED BOARDWALK SHALL BE PAID FOR, AS A LUMP SUM, UNDER PAY ITEM NUMBER 543-9000 COVERED BOARDWALK. THIS INCLUDES ALL MATERIALS AND LABOR FOR THE STRUCTURE, INCLUDING CAISSONS, SUBSTRUCTURE, DECKS, RAILINGS, ROOF, BLACK VINYL-COATED CHAIN LINK FENCE, FASTENERS AND HARDWARE, ETC. ALL MATERIALS, EQUIPMENT AND LABOR NECESSARY TO CONSTRUCT SHALL BE INCLUDED IN THE LUMP SUM COST.

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REVISION DATES	
21 DEC 2011	30% SCHEMATIC
07 MAR 2012	100% WORKING DRAWINGS
16 JUL 2012	RELEASED FOR CONSTRUCTION
31 AUG 2012	CHANGE COMPONENTS NOTE

STATE OF GEORGIA  
 DEPARTMENT OF TRANSPORTATION  
 OFFICE: TRAFFIC SAFETY & DESIGN

GENERAL NOTES  
 NORTHSIDE DRIVE SAFETY IMPROVEMENTS

35-001