

GENERAL NOTES:

1. THE GENERAL CONTRACTOR IS RESPONSIBLE TO VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE SITE. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER OF RECORD BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. THIS INCLUDES DISCREPANCIES BETWEEN THESE PLANS AND ANY OTHER PLANS OR CONTRACT DOCUMENTS.
2. WHERE DIMENSIONS ARE NOT SHOWN ON THESE PLANS, THE DIMENSIONS SHOWN ON OTHER RELEVANT PLANS SHALL BE USED.
3. SHOP DRAWINGS FOR ALL FABRICATED MATERIALS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO FABRICATION.
4. ALL WORK SHALL BE PERFORMED BY QUALIFIED PERSONS PROPERLY LICENSED AS REQUIRED BY THE STATE.

DESIGN LOADS

THIS STRUCTURE IS DESIGN IN ACCORDANCE TO THE INTERNATIONAL BUILDING CODE (IBC) 2009 EDITION TO CARRY ALL DEAD LOAD AND THE FOLLOWING MINIMUM LIVE LOADS:

WALKWAY & ELEVATED PLATFORMS 60 PSF

BASIC GROUND SNOW LOAD

GROUND SNOW LOAD, $P_g = 50$ PSF

$C_e = 1.0$

$I = 1.0$

$C_t = 1.2$

WIND LOADS DESIGN DATA

BASIC WIND SPEED = 100 MPH

$I = 1.0$

EXPOSURE CATEGORY = B

INTERNAL PRESSURE COEFFICIENT = ± 0.18

SEISMIC

SITE CLASS C, DESIGN CATEGORY B

$S_{as} = .3665$, $S_{ms} = .440$

$S_1 = .0806$, $S_1 = .137$

SOIL BEARING

1. ALL WORK AND MATERIALS RELATING TO EXCAVATION, STRUCTURAL FILL, AND BACKFILL SHALL CONFORM TO NHDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LAST REVISED 2006), DIVISION 300, AS APPLICABLE, OR AS SHOWN ON THIS PLAN AND THE SPECIFICATIONS.
2. THE ENGINEER SHALL INSPECT THE SOILS AFTER ALL FOUNDATION EXCAVATION HAS BEEN COMPLETED AND PRIOR TO PLACING ANY FORMWORK OR CONCRETE. IN THE CASE THAT THE SOIL IS NOT CONSIDERED SUITABLE, A GEOTECHNICAL ENGINEER SHALL INSPECT THE SOILS. IN NO CASE SHALL THE FOUNDATION CONSTRUCTION PROCEED WITHOUT THE ENGINEER'S APPROVAL. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING THIS INSPECTION.
3. THE DESIGN SOIL BEARING CAPACITY IS 2,000 PSF BASED ON THE ENGINEER'S ASSESSMENT AND GEOTECHNICAL REPORT. AFTER EXCAVATION AND PRIOR TO CONSTRUCTING THE FOOTINGS, THE FULL WIDTH OF THE TRENCH SHALL BE SMOOTHED TO OBTAIN A UNIFORM SURFACE TO PLACE FORMS. ALL SUBGRADE PREPARATIONS SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.
4. ALL UNSUITABLE MATERIAL INCLUDING BUT NOT LIMITED TO TOPSOIL, ORGANIC LADEN SOIL, FILL, ABANDON FOUNDATIONS, INTERSECTING UTILITIES, ETC. SHALL BE REMOVED PRIOR TO PLACING ANY FILL OR FOOTINGS. SUBGRADE UNDER THE SLAB SHALL ALSO BE COMPACTED WITH A VIBRATORY COMPACTOR PRIOR TO PLACING FILL.
5. ANY SOIL CONDITIONS, WORSE THAN THE DESIGN CONDITION, ENCOUNTERED DURING THE CONSTRUCTION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO PROCEEDING WITH THE AFFECTED WORK.
6. NO FOOTINGS SHALL BE PLACED IN WATER OR ON FROZEN GROUND. ALL EXTERIOR WALLS SHALL HAVE A MINIMUM OF 4" OF COVER FROM THE OUTSIDE FINISH GRADE TO BOTTOM OF FOOTING. IF THIS IS NOT POSSIBLE, THEN INSULATION SHALL BE PROVIDED ON THE EXTERIOR OF THE FOUNDATION WALLS. THIS IS SHOWN ON THE FOUNDATION SECTIONS LOCATED IN THE AFFECTED AREAS.
7. FOUNDATION BACKFILL MATERIAL SHALL BE STRUCTURAL FILL.
8. ALL UNSUPPORTED SOIL EXCAVATIONS SHALL BE CUT TO A SLOPE OF 1.5 HORIZONTAL TO 1 VERTICAL (OR FLATTER). ALL EXCAVATION WORK SHALL BE IN ACCORDANCE WITH OSHA REGULATIONS, AND IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT COMPLIANCE IS BEING MET.

RECOMMENDED SOIL GRADATION AND COMPACTION SPECIFICATIONS

SUITABLE STRUCTURAL FILL SHALL BE CLEAN, NON-FROST SUSCEPTIBLE, SAND AND GRAVEL FREE OF ORGANICS AND OTHER DELETERIOUS MATERIALS MEETING THE FOLLOWING GRADATION:

CLEAN GRANULAR FILL	
SIEVE SIZE	% PASSING BY WEIGHT
3 INCH	100
3/4 INCH	60-90
NO. 40	20-70
NO. 200	2-8

STRUCTURAL FILL	
SIEVE SIZE	% PASSING BY WEIGHT
5 INCH	100
2 INCH	60-100
NO. 4	20-80
NO. 200	0-10

ALL CLEAN GRANULAR FILL OR STRUCTURAL FILL SHALL BE PLACED IN MAXIMUM 8" LIFTS AND COMPACTED TO 95% MAXIMUM DRY DENSITY.

CAST IN PLACE CONCRETE

1. REFER TO SHEET C12 FOR CAST IN PLACE CONCRETE REQUIREMENTS

REINFORCING STEEL

1. REFER TO SHEET C12 FOR REINF. STEEL REQUIREMENTS.

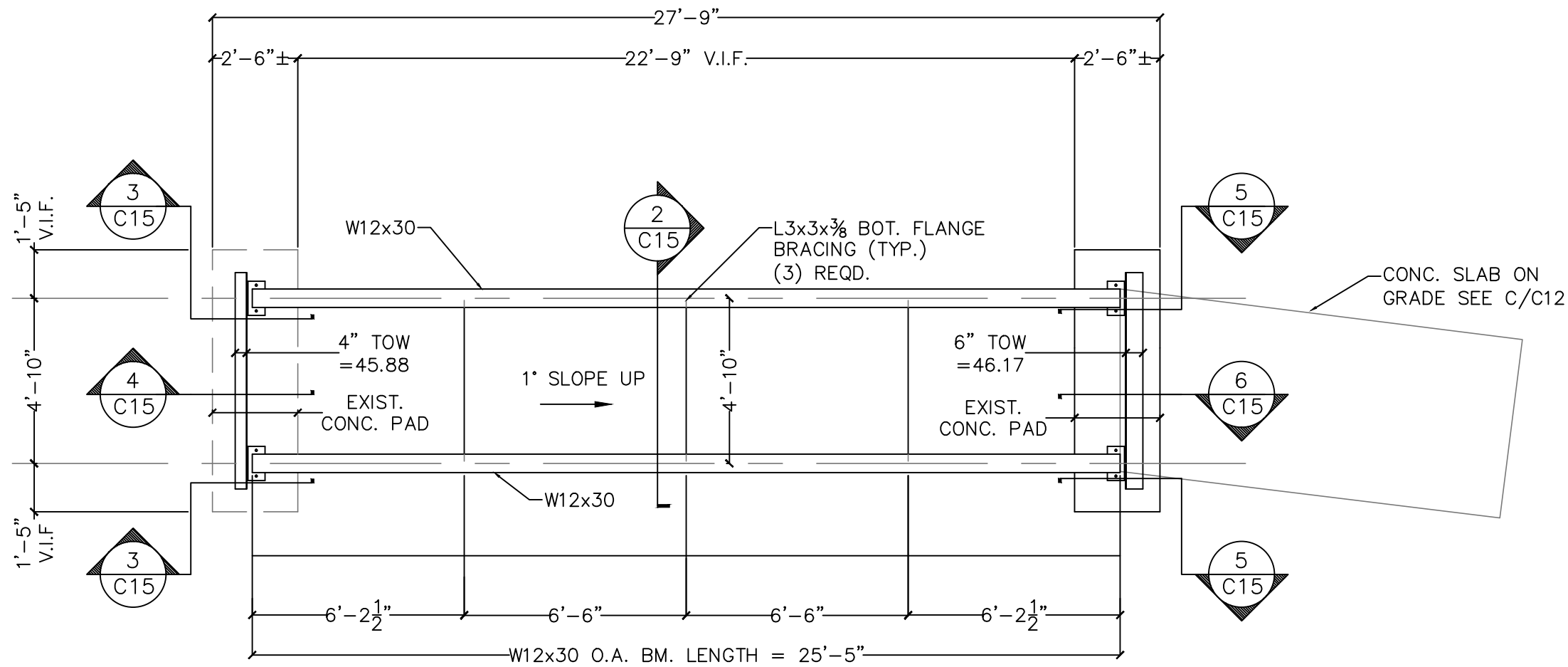
STRUCTURAL STEEL

1. THE DESIGN, FABRICATION, AND ERECTION OF ALL STRUCTURAL STEEL SHALL BE COMPLETED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2009 IBC AND ALL OTHER APPLICABLE STRUCTURAL STEEL CODES.
2. THE FOLLOWING MATERIALS AND STEEL GRADES SHALL BE USED FOR THIS PROJECT (UNLESS NOTED OTHERWISE):

MATERIAL TYPE
W FLANGE STEEL
CHANNELS & PLATES
FIELD BOLTS
WELD ELECTRODES
3. ALL BOLTED CONNECTIONS SHALL BE DESIGNED, FABRICATED, AND INSTALLED IN ACCORDANCE WITH RSCC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS". ALL BOLTS SHALL BE TIGHTENED SNUG AND SHALL BE NEW BOLTS.
4. ALL BASE PLATES SHALL BE SHIMMED LEVEL. VOIDS SHALL BE FILLED WITH NON-SHRINK GROUT PRIOR TO APPLYING LOADS.
5. ALL WELDED CONNECTIONS SHALL BE MADE BY QUALIFIED AWS WELDERS. AWS WELD FILLER SHALL CONFORM TO E70XX-X.
6. NO PREFABRICATED STRUCTURAL STEEL SHALL BE MODIFIED OR CUT WITHOUT PRIOR APPROVAL BY THE ENGINEER OF RECORD.
7. ALL STRUCTURAL STEEL SHALL BE ADEQUATELY BRACED DURING CONSTRUCTION.
8. ALL STRUCTURAL STEEL SHALL BE PLUMB AND SQUARE PRIOR TO WELDING OR BOLTING CONNECTIONS.
9. ALL STRUCTURAL STEEL SHOP DRAWINGS SHALL BE DESIGNED BY STEEL MANUFACTURER AND SUBMITTED FOR REVIEW AND APPROVAL BY THE ENGINEER OF RECORD.
10. ALL STRUCTURAL STEEL SHALL BE HOT DIPPED GALVANIZED (HDG) AFTER FABRICATION.
11. THE STEEL FABRICATOR SHALL BE AISC CERTIFIED. ALL WELDING SHALL BE DONE BY AISC CERTIFIED WELDER.
12. THE TESTING AGENCY SHALL PROVIDE VISUAL INSPECTION OF ALL SHOP AND FIELD WELDS. SEE SPECIAL INSPECTION SECTION ON THIS SHEET.

PRESSURE TREATED LUMBER

1. ALL PRESSURE TREATED LUMBER SHALL USE THE ACQ TREATMENT PROCESS SUITABLE FOR EXTERIOR USE.
2. ALL SILL PLATES ON FOUNDATION WALLS OR SLABS ON GRADE SHALL BE SOUTHERN YELLOW PINE PT.
3. ALL ANCHOR BOLTS SHALL BE HOT DIPPED GALVANIZED AND ALL POWER ACTUATED FASTENERS SHALL BE CORROSION RESISTANT TO FASTEN PT PLATES TO CONCRETE. HOT DIPPED GALVANIZED NAILS SHALL BE USED FOR FRAMING CONNECTIONS WITH PT.



ELEVATED PEDESTRIAN WALKWAY #2 PLAN

SCALE: 3/4"=1"

