

GENERAL NOTES

BUILDING CODE:
MASSACHUSETTS STATE BUILDING CODE, 9TH EDITION.

REFERENCED STANDARD:
CONCRETE: ACI, 318-08

DESIGN LOADS:
A. LIVE LOADS: 100 PSF

EXISTING CONDITIONS:
EXISTING CONDITIONS INCLUDING DIMENSIONS AND LAYOUT SHOWN ON THE PLANS WERE ESTABLISHED FROM LIMITED FIELD INVESTIGATIONS AND ARE NOT GUARANTEED. A DETAILED SURVEY HAS NOT BEEN PERFORMED. THE CONTRACTOR SHALL DETERMINE AND ESTABLISH ALL DIMENSIONS AND EXISTING DETAILS NECESSARY FOR COMPLETION OF ALL WORK BY FIELD MEASUREMENTS AND SURVEY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUACY AND ACCURACY THEREOF AND SHALL NOT ORDER ANY MATERIAL OR COMMENCE ANY FABRICATION UNTIL HE HAS MADE THE REQUIRED MEASUREMENTS ON THE ACTUAL STRUCTURE, HAS OBTAINED APPROVAL ON SHOP DRAWINGS.

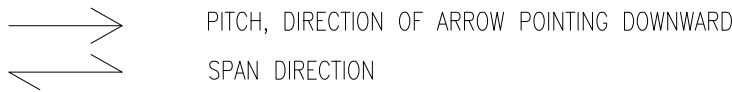
MATERIAL PROPERTIES:
CONCRETE: f'c = 5,000 PSI AT 28 DAYS WITH MAXIMUM WATER/CEMENTITIOUS MATERIALS RATIO 0.40 AND 6% AIR ENTRAINMENT. ALL CONCRETE SHALL HAVE A MAXIMUM DRY UNIT WEIGH OF 145 POUNDS PER CUBIC FOOT.
REINFORCEMENT STEEL: ASTM A615, GRADE 60 ALL REINFORCING BARS SHALL BE EPOXY COATED.
WELDED WIRE FABRIC: ASTM A185
STRUCTURAL STEEL: ASTM A36, GRADE 36

- CONCRETE NOTES:
- ALL CONCRETE WORK SHALL CONFORM TO ACI 301 "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS"
 - REINFORCING SHALL BE DETAILED IN ACCORDANCE WITH ACI 315 "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES".
 - REINFORCING BARS SHALL BE PROTECTED BY THE FOLLOWING THICKNESS OF CONCRETE COVER:
A. CONCRETE PLACED AGAINST EARTH..... 3"
B. CONCRETE PLACED IN FORMS BUT EXPOSED TO EARTH OR WEATHER..... 2"
(EXCEPT FOR NO. 5 BARS OR SMALLER, 1 1/2").
C. SLABS AND STAIRS EXPOSED TO THE GROUND OR WEATHER..... 2"
D. IN ALL CASES THE THICKNESS OF CONCRETE OVER THE REINFORCEMENT SHALL BE AT LEAST EQUAL TO THE DIAMETER OF THE REINFORCEMENT.
 - CONTRACTOR SHALL COORDINATE LOCATIONS AND DETAILS OF ALL OPENINGS AND EMBEDDED ITEMS WITH THE VARIOUS TRADES.
 - CONSTRUCTION JOINTS SHALL BE DETAILED AND LOCATED ON SHOP DRAWINGS AND APPROVED BY ENGINEER. UNLESS SHOWN OTHERWISE, CONSTRUCTION JOINTS ARE TO BE KEYED AND PROVIDE FOR CONTINUITY OF REINFORCING STEEL. CONSTRUCTION JOINTS ARE TO BE LOCATED WHERE CONSTRUCTION OPERATIONS ARE SUSPENDED FOR 30 MINUTES OR MORE.
 - ALL PERMANENTLY EXPOSED CONCRETE SURFACES SHALL HAVE RUBBED SMOOTH FINISH.
 - REINFORCEMENT STEEL SHALL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION.

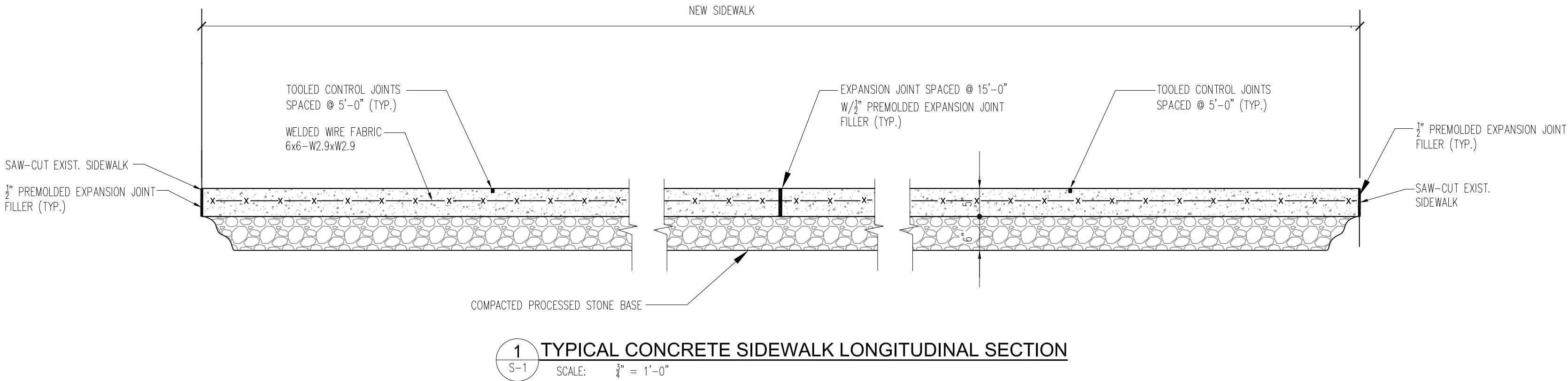
- STRUCTURAL STEEL NOTES:
- PRIOR TO WELDING CLEAN EXISTING STRUCTURAL STEEL WITH WIRE WHEEL AND GRINDER TO BARE STEEL PER AWS REQUIREMENTS.
 - ALL NEW STEEL ELEMENTS AND FRAMING SHALL BE PRIMED AND PAINTED AFTER INSTALLATION. PRIMER & PAINT SHALL BE LEAD & CHROMATE FREE & RUST INHIBITING.
 - STRUCTURAL STEEL SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO CONSTRUCTION. SHOP DRAWINGS SHALL INCLUDE ALL DETAILED CONNECTIONS WITH COMPLETE DIMENSIONS.

ABBREVIATION AND SYMBOLS
(SPECIFIC TO STRUCTURAL WORK)

©	AT
ARCH	ARCHITECTURAL
C = X"	CAMBER
CANT.	CANTILEVERED
C.J.	CONTRACTION JOINT
CL	CENTERLINE
CONT.	CONTINUOUS
DWGS	DRAWINGS
EA.	EACH
E.J.	EXPANSION JOINT
EL.	ELEVATION
EXP.	EXPANSION
EXT.	EXTERIOR
F.F.	FINISH FLOOR
FTG.	FOOTING
GALV.	GALVANIZED
K	KIPS
MAX.	MAXIMUM
MIN.	MINIMUM
O.C.	ON CENTER
P.L.F.	POUNDS PER LINEAR FOOT
P	PLATE
P.S.F.	POUNDS PER SQUARE FOOT
SIM.	SIMILAR
S.F.	STEPPED FOOTING
TYP.	TYPICAL-INDICATES MATERIAL OR REQUIREMENT NOTED SHALL BE CONSIDERED AS CALLED FOR AT ALL SIMILAR LOCATIONS
T.O.P.	TOP OF PIER
T.O.W.	TOP OF WALL
T.S.E.	TOP OF SHELF ELEVATION
U.D.	UNDER DRAIN
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN THE FIELD
W/	WITH
W.W.F	WELDED WIRE FABRIC
(0'-0")	BOTTOM OF FOOTING



PITCH, DIRECTION OF ARROW POINTING DOWNWARD
SPAN DIRECTION



HOLDING CELL AREA
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COURTHOUSE

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MECH ENGINEERS

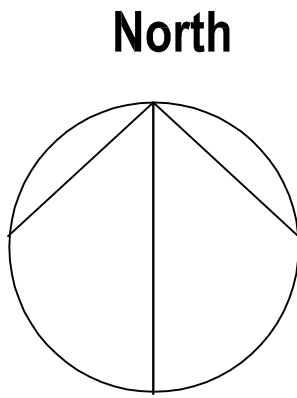
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