

ABBREVIATIONS

#	POUNDS OR NUMBER
⊙	AT
A.B.	ANCHOR BOLTS
A.F.F.	ABOVE FINISH FLOOR
ADD'L	ADDITIONAL
APPLIC.	APPLICABLE
ARCH'L	ARCHITECTURAL
B.N.	BOUNDARY NAILING
B.O.D.	BOTTOM OF DECK
BLKG.	BLOCKING
B.M.	BEAM
BOT.	BOTTOM
BRNG.	BEARING
BTWN.	BETWEEN
C	CAMBER
C.F.S.	COLD FORMED STEEL
C.J.P.	COMPLETE JOINT PENETRATION
CL	CENTERLINE
CLR.	CLEAR
CMU	CONCRETE MASONRY UNIT
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CONT.	CONTINUOUS
COORD.	COORDINATE
D.B.A.	DEFORMED BAR ANCHOR
DBL.	DOUBLE
DET.	DETAIL
DL	DEAD LOAD
D.P.	DEEP
DWLS.	DOWELS
E.A.	EPOXY ANCHOR
E.B.	EXPANSION BOLT
E.N.	EDGE NAILING
EA.	EACH
ELEV.	ELEVATION
E.A.	EDGE SCREWING
EMBED.	EMBEDMENT
EXIST.	EXISTING
EXT.	EXTERIOR
F.N.	FIELD NAILING
FN.	FOUNDATION
FIN.	FINISH
FLR.	FLOOR
FRMG.	FRAMING
FTG.	FOOTING
G.S.N.	GENERAL STRUCTURAL NOTES
G.A.	GAUGE
GLB	GLU-LAM BEAM
H.A.S.	HEADED ANCHOR STUD
H.S.B.	HIGH STRENGTH BOLT
HORIZ.	HORIZONTAL
INFO.	INFORMATION
INT.	INTERIOR
J.A.	JOIST BEARING
JST.	JOIST
K	KIPS (1000 POUNDS)
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LVV	LONG LEG VERTICAL
LSL	LAMINATED STRAND LUMBER
LVL	LAMINATED VENEER LUMBER
M.A.	MACHINE BOLT
MAS.	MASONRY
MAX.	MAXIMUM
MECH'L	MECHANICAL
MFR.	MANUFACTURER
MIN.	MINIMUM
MISC.	MISCELLANEOUS
N.T.S.	NOT TO SCALE
NO.	NUMBER
O.C.	ON CENTER
O.H.	OPPOSITE HAND
O.W.S.J.	OPEN WEB STEEL JOIST
OPNG.	OPENING
P.D.F	POWDER DRIVEN FASTENER
P.T.	PRESSURE TREATED
PERP.	PERPENDICULAR
PL.	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLAM
PT.	POINT
REINF.	REINFORCING
REQ'D.	REQUIRED
SCHED.	SCHEDULE
SHT.	SHEET
SHTG.	SHEATHING
SIM.	SIMILAR
S.J.	SLAB JOINT
SPECS.	SPECIFICATIONS
SQ.	SQUARE
STAGG.	STAGGERED
STD.	STANDARD
STIFF.	STIFFENER
STL.	STEEL
T.A.S.	THREADED ANCHOR STUD
T.N.	TOE NAIL
T.O.F.	TOP OF FOOTING
T.O.M.	TOP OF MASONRY
T.O.S.	TOP OF STEEL
TYP.	TYPICAL
U.N.O	UNLESS NOTED OTHERWISE
VERT.	VERTICAL
V.I.F.	VERIFY IN FIELD
W.F.	WIDE FLANGE (BEAM)
W.P.	WORK POINT
W/	WITH
W/O	WITHOUT
WD.	WOOD
W.W.R.	WELDED WIRE REINF.

GENERAL STRUCTURAL NOTES (G.S.N.)

GENERAL

THE GENERAL CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK. THE ARCHITECT AND STRUCTURAL ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCY. THESE STRUCTURAL DRAWINGS ARE INTENDED TO PRESENT SUFFICIENT DIMENSIONS TO INDICATE MAJOR PLAN SIZES AND TO LOCATE PRIMARY STRUCTURAL COMPONENTS. THE CONTRACTOR SHALL COORDINATE LOCATION OF SECONDARY ELEMENTS, WALLS, OR MEMBERS RELATED TO OTHER DISCIPLINES. USE DETAILS MARKED "TYPICAL" WHEREVER APPLICABLE. CHANGES, OMISSIONS OR SUBSTITUTIONS ARE NOT PERMITTED WITHOUT THE WRITTEN APPROVAL OF THE ARCHITECT AND STRUCTURAL ENGINEER. REFER TO SPECIFICATIONS FOR FURTHER REQUIREMENTS. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2015 INTERNATIONAL BUILDING CODE (IBC). THE DESIGN, ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE STRUCTURAL ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE PRIOR TO THE COMPLETION OF ALL SHEAR WALLS, ROOF AND FLOOR DIAPHRAGMS AND FINISH MATERIALS. THE CONTRACTOR SHALL PROVIDE THE NECESSARY BRACING TO PROVIDE STABILITY PRIOR TO THE APPLICATION OF THE ABOVE-MENTIONED COMPONENTS. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.

SHOP DRAWINGS/SUBMITTALS

SHOP DRAWINGS AND SUBMITTALS ARE TO BE CHECKED AND APPROVED BY THE GENERAL CONTRACTOR PRIOR TO SUBMITTING FOR STRUCTURAL REVIEW. ANY REQUEST FOR MODIFICATION TO THE DRAWINGS MUST BE SUBMITTED IN WRITING. THIS MAY BE ACCOMPLISHED THROUGH THE SHOP DRAWINGS ONLY IF THE CHANGE IS CLEARLY REPRESENTED, CLOUDED AND NOTED AS BEING A REQUESTED CHANGE REQUIRING THE STRUCTURAL ENGINEER APPROVAL. CHANGES TO THE DRAWINGS BY WAY OF THE SHOP DRAWINGS THAT ARE NOT CLEARLY NOTED AS STATED ABOVE, DO NOT CONSTITUTE AN AUTHORIZED CHANGE EVEN THOUGH THE DRAWINGS HAVE BEEN STAMPED WITH THE STRUCTURAL ENGINEER REVIEW STAMP. GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION AND COORDINATION OF DIMENSIONS AND DETAILS FOR EACH SUBCONTRACTOR.

SHOP DRAWINGS SHALL INCLUDE PLANS, DETAILS AND ELEVATIONS AS NECESSARY TO INDICATE UNDERSTANDING OF THE CONTRACT DOCUMENTS. SUBMITTALS SHALL INCLUDE CURRENT PRODUCT ICC/AMPO REPORTS WHERE APPLICABLE AND INDICATED LOCATIONS FOR USAGE FOR THE PRODUCT. ENSURE SHOP DRAWINGS/SUBMITTALS ARE ROUTED THROUGH THE CONTRACTOR AND ARCHITECT FOR STRUCTURAL ENGINEER'S REVIEW.

SUBMITTALS ARE REQUIRED FOR THE FOLLOWING:

- MORTAR TOPPING
- CONSTRUCTION ADHESIVE

DESIGN LOADS

FLOOR LIVE LOAD	40 PSF
CORRIDOR AND STAIR LIVE LOAD	100 PSF
GROUND SNOW LOAD, P_g	20 PSF
FLAT-ROOF SNOW LOAD, P_f	25 PSF
SNOW EXPOSURE FACTOR, C_e	1.0
IMPORTANCE FACTOR (SNOW) I_s	1.0
THERMAL FACTOR, C_t	1.1
RISK CATEGORY PER IBC	I
BASIC WIND SPEED, V_{ref}	115 MPH (3 SEC GUST), EXPOSURE B
COMPONENTS & CLADDING DESIGN PRESSURE	31.37 PSF
IMPORTANCE FACTOR (SEISMIC) I_e	1.0
S_s	0.3091
S_1	0.1052
SITE CLASS	D
S_{ps}	0.320
S_{p1}	0.167
SEISMIC DESIGN CATEGORY	C
SEISMIC FORCE RESISTING SYSTEM	LIGHT FRAMED WALL SHEATHED WITH WOOD STRUCTURAL PANELS
SEISMIC RESPONSE COEFFICIENT, C_s	0.0492
RESPONSE MODIFICATION FACTOR, R	6.5

STRUCTURAL AND MISC. STEEL

CHANNELS, ANGLES, PLATES AND BARS: ASTM A36, $F_y = 36$ KSI MINIMUM.
 HOLLOW STRUCTURAL SHAPES (HSS): ASTM A500, GRADE B, $F_y = 46$ KSI (RECTANGULAR SECTIONS), $F_y = 42$ KSI (ROUND SECTIONS).
 BOLTS: ASTM A325 HIGH STRENGTH BOLTS (H.S.B.) UNLESS NOTED AS ASTM A307 MACHINE BOLTS (M.B.).
 FIELD WELDS: WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED IN THE SHOP WHENEVER PRACTICAL. AN EFFORT HAS BEEN MADE TO INDICATE WELDS THAT CAN BE OR SHOULD BE FIELD WELDED. IT IS, HOWEVER, THE FABRICATOR'S RESPONSIBILITY TO DECIDE WHERE AND HOW THE WELDING IS TO BE ACCOMPLISHED TO ACHIEVE THE INTENDED RESULT.

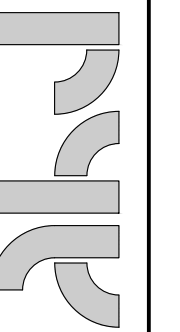
WOOD

GENERAL:
 ALL WOOD BEARING ON CONCRETE OR MASONRY, IF LESS THAN 4'-0" ABOVE GRADE, SHALL BE PRESSURE TREATED DOUGLAS FIR.
 STRUCTURAL MEMBERS SHALL NOT BE CUT FOR PIPES, ETC., UNLESS SPECIFICALLY NOTED OR DETAILED.
 SAWN LUMBER: NO. 2 & BETTER DOUGLAS FIR-LARCH, WPA GRADING RULES.
 SHEATHING: APA RATED SHEATHING, APA RATED STURD-I-FLOOR, EXPOSURE-1, NER-108.
 FRAMING ANCHORS AND CONNECTORS: "SIMPSON STRONG TIE" OR USP PRODUCT THAT MEETS OR EXCEEDS SIMPSON PRODUCTS OR APPROVED EQUIVALENT AS INDICATED ON DRAWINGS. INSTALL AND CONNECT PER MANUFACTURER'S REQUIREMENTS.

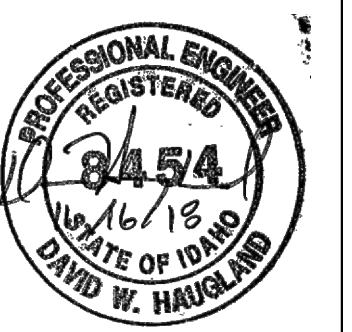
FASTENERS IN CONTACT WITH PRESSURE PRESERVATIVE-TREATED (PPT) AND FIRE-RETARDANT-TREATED WOOD ARE TO BE HOT-DIPPED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER. CONNECTIONS SHOULD NOT INCORPORATE DISSIMILAR METALS OR METALLIC COATINGS IN CONTACT WITH EACH OTHER. PRODUCTS IN WHICH THE COATINGS HAVE BEEN DAMAGED OR COMPROMISED DURING SHIPPING, STORAGE OR INSTALLATION SHOULD BE DISCARDED OR OTHERWISE EFFECTIVELY RESTORED (IBC SECTION 2304.10.5, IRC SECTION R317.3).

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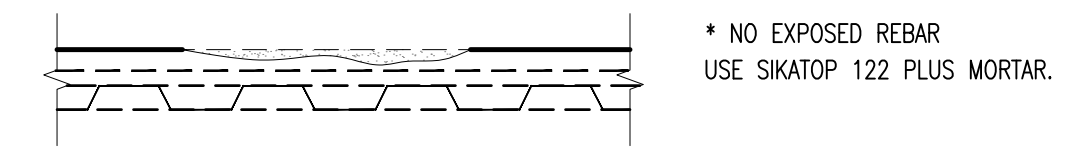
REVISIONS

SHORLINE PLAZA APARTMENTS
BOISE, ID 83702

JOB NO.	18097.00
DATE:	10/01/2018
DRN. BY:	G.V.
CHKD. BY:	D.H.

S1.0
 GENERAL STRUCTURAL
 NOTES

CONCRETE DECK REPAIR SEQUENCE

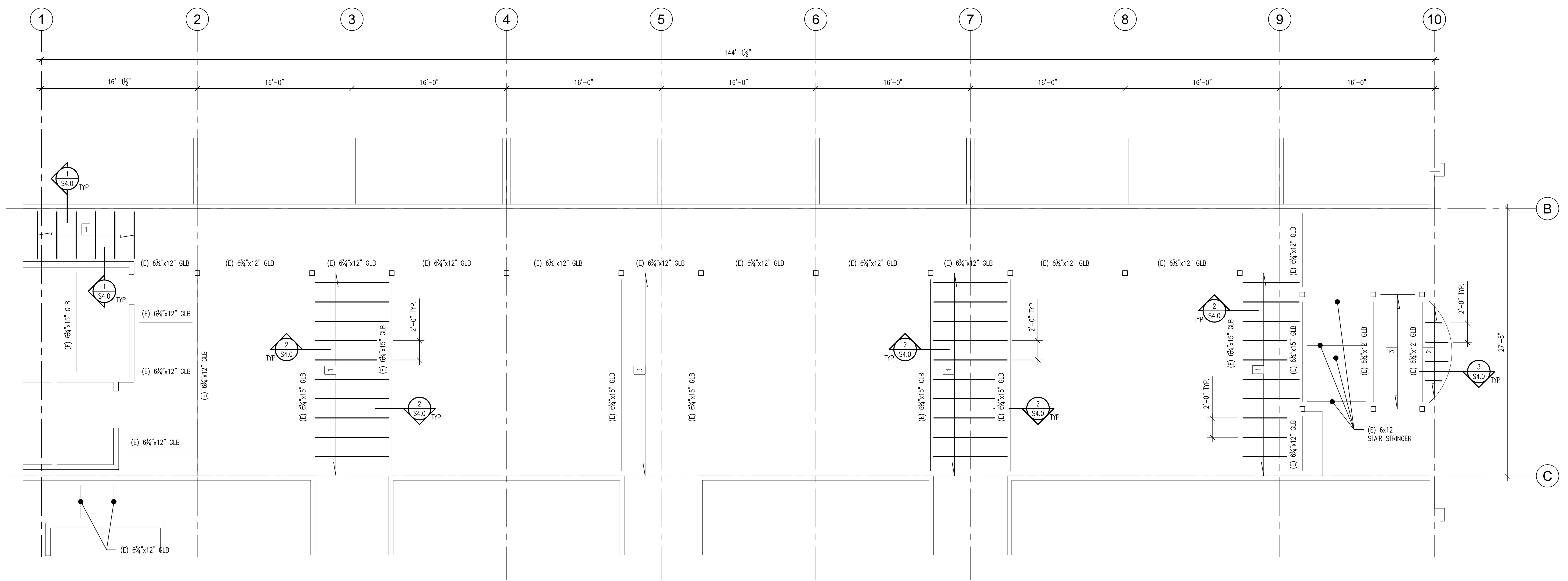


APPLICATION OF SIKATOP MORTAR

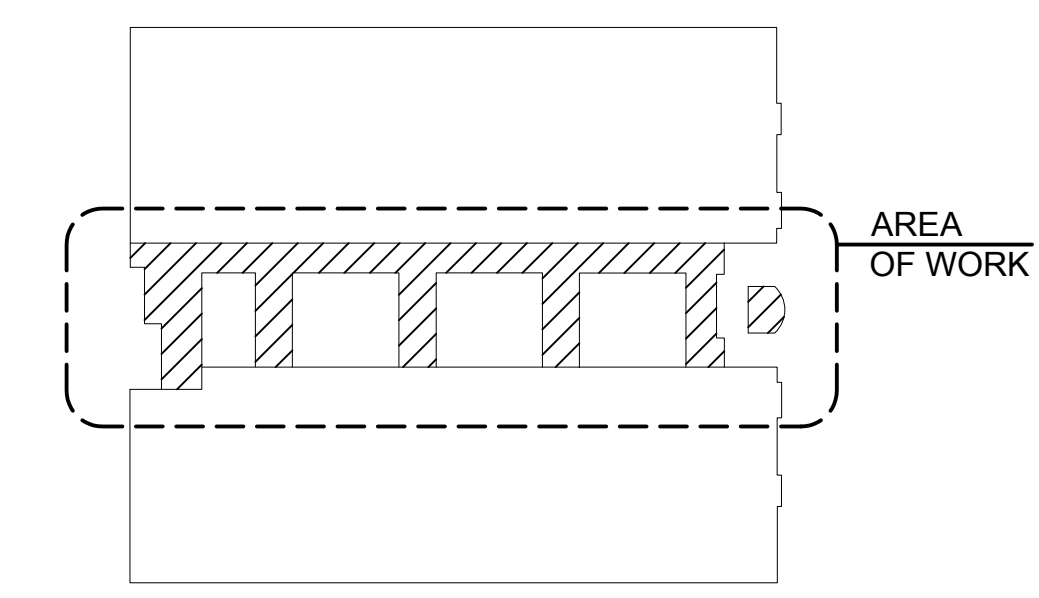
1. IDENTIFY ALL AREAS OF DETERIORATED CONCRETE AND DETERMINE COST OF REPAIR USING SIKATOP 122 PLUS PER 100SF.
2. REMOVE ALL DETERIORATED CONCRETE, DIRT OIL AND OTHER BOND INHIBITING MATERIALS FROM SURFACE. PREPARATION SHALL BE DONE WITH HIGH PRESSURE WATER BLAST, SAND BLASTING OR OTHER MECHANICAL MEANS TO EXPOSE AGGREGATE SURFACE. SATURATE SURFACE TO SSD CONDITION WITH CLEAN WATER.
3. PRIME PREPARED SURFACE WITH A BRUSHED COAT OF SIKA ARMATEC 110 EPOCEM, ALTERNATIVELY PRIME WITH A BRUSHED COAT OF SIKA TOP 122 PLUS MORTAR. THE REPAIR MORTAR MUST BE APPLIED BEFORE PRIME DRIES.
4. MIX SIKA TOP 122 PLUS MORTAR AS PER MIXING INSTRUCTION.
5. SIKA TOP 122 PLUS MUST BE SCRUBBED INTO THE SUBSTRAIGHT, FILLING ALL PORES AND VOIDS. FORCE MATERIAL TO EDGES AND WORK TOWARD CENTER. ALLOW MORTAR TO SET TO DESIRED THICKNESS, FINISH WITH WOOD OR SPONGE. FLOAT AND BROOM FOR ROUGH FINISH.
6. CURE WET WITH BURLAP AND POLYETHYLENE A FINE MIST OF WATER OR WATER BASED CURING COMPOUND. MOIST CURING SHOULD TAKE PLACE IMMEDIATELY AFTER FINISH.
7. PROTECT FINISHED MATERIAL FROM DIRECT SUNLIGHT, WIND RAIN AND FROST FOR FIRST 24 HOURS.

PLAN NOTES

1. FOR GENERAL STRUCTURAL NOTES (G.S.N.), SEE SHEET S1.0.
2. THE DIMENSIONS SHOWN HERE ARE ASSUMED ACCURATE. FIELD VERIFY ANY DIMENSIONS NOT NOTED.
3. PROVIDE 3/4" P.T. PLYWOOD DECKING UNDER STEEL DECK SUPPORTED BY 2x8 DF#2 OR BETTER JOIST AT 24" O.C.
4. PROVIDE 3/4" P.T. PLYWOOD DECKING UNDER STEEL DECK SUPPORTED BY HSS3x3x1/8" JOIST AT 24" O.C.
5. INDICATES AREA SHOWING SIGNS OF INITIAL DETERIORATION WHICH MAY NEED FUTURE REINFORCEMENT OF DECK.



KEYPLAN

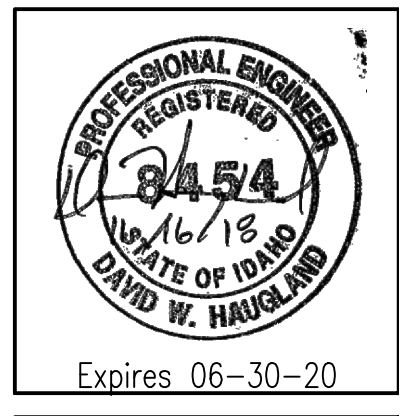


SECOND FLOOR FRAMING PLAN
3/16"=1FT

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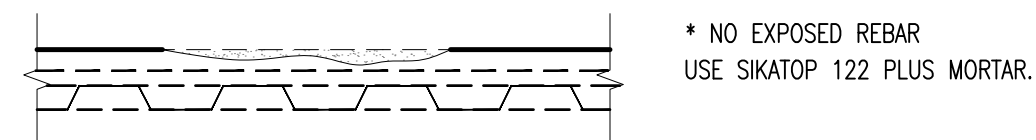
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S2.0
SECOND FLOOR
FRAMING PLAN

CONCRETE DECK REPAIR SEQUENCE

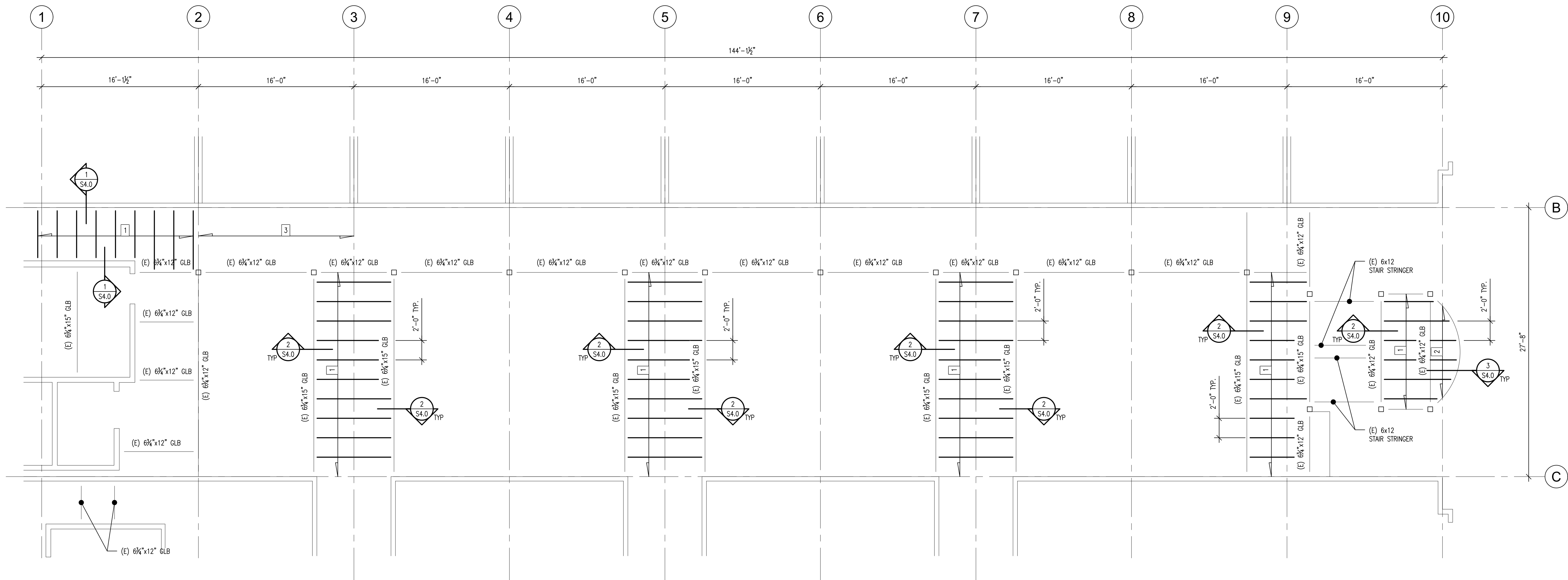


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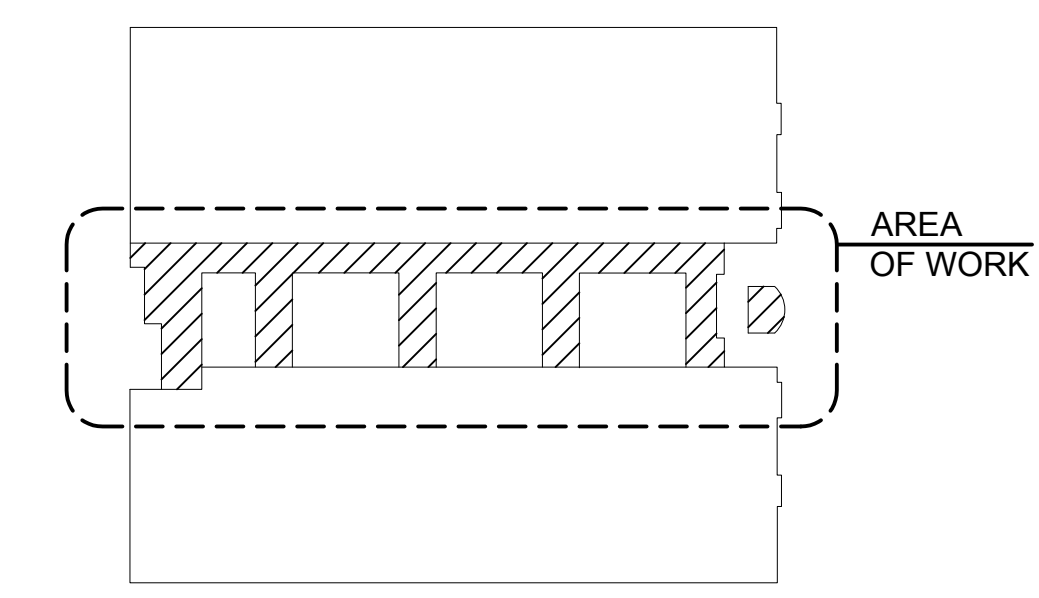
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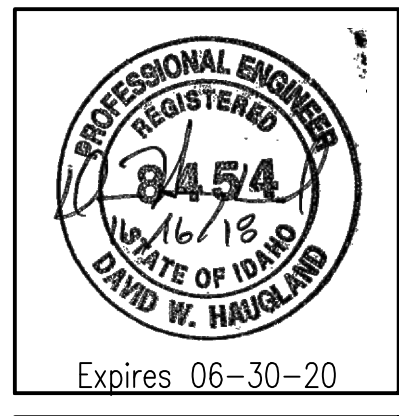


THIRD FLOOR FRAMING PLAN
3/16"=1FT

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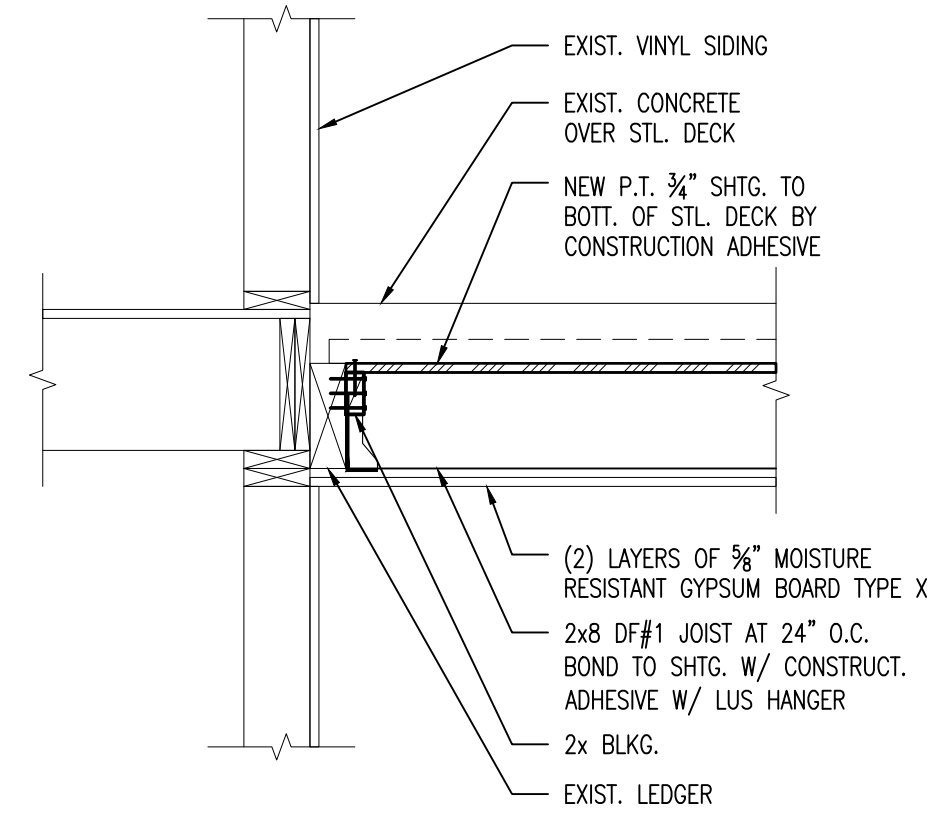


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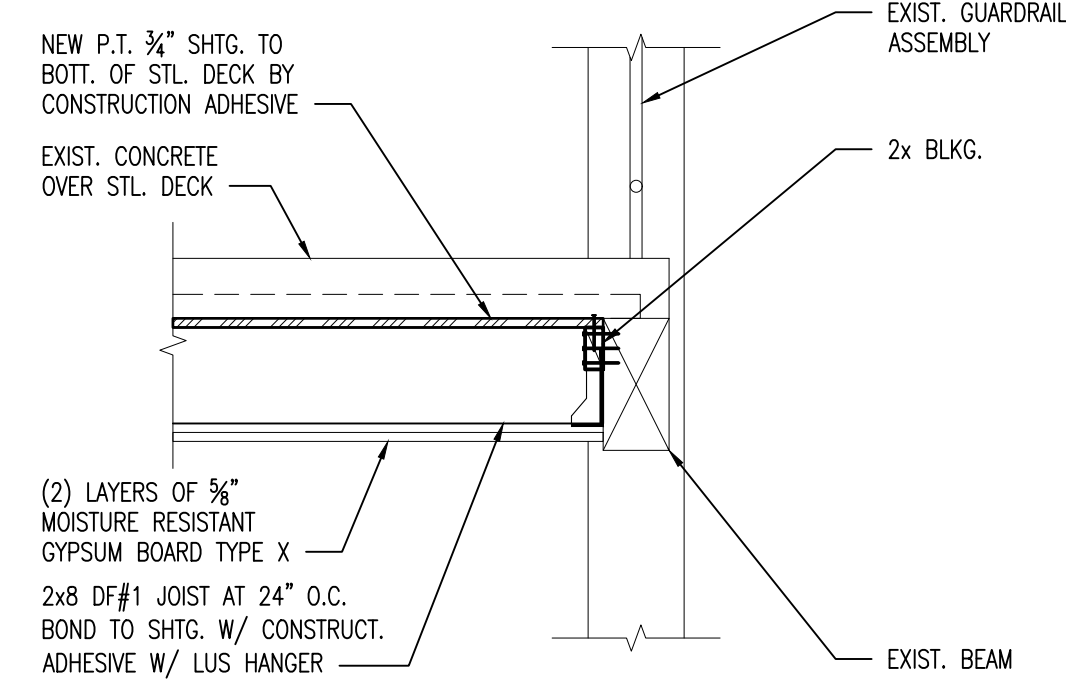
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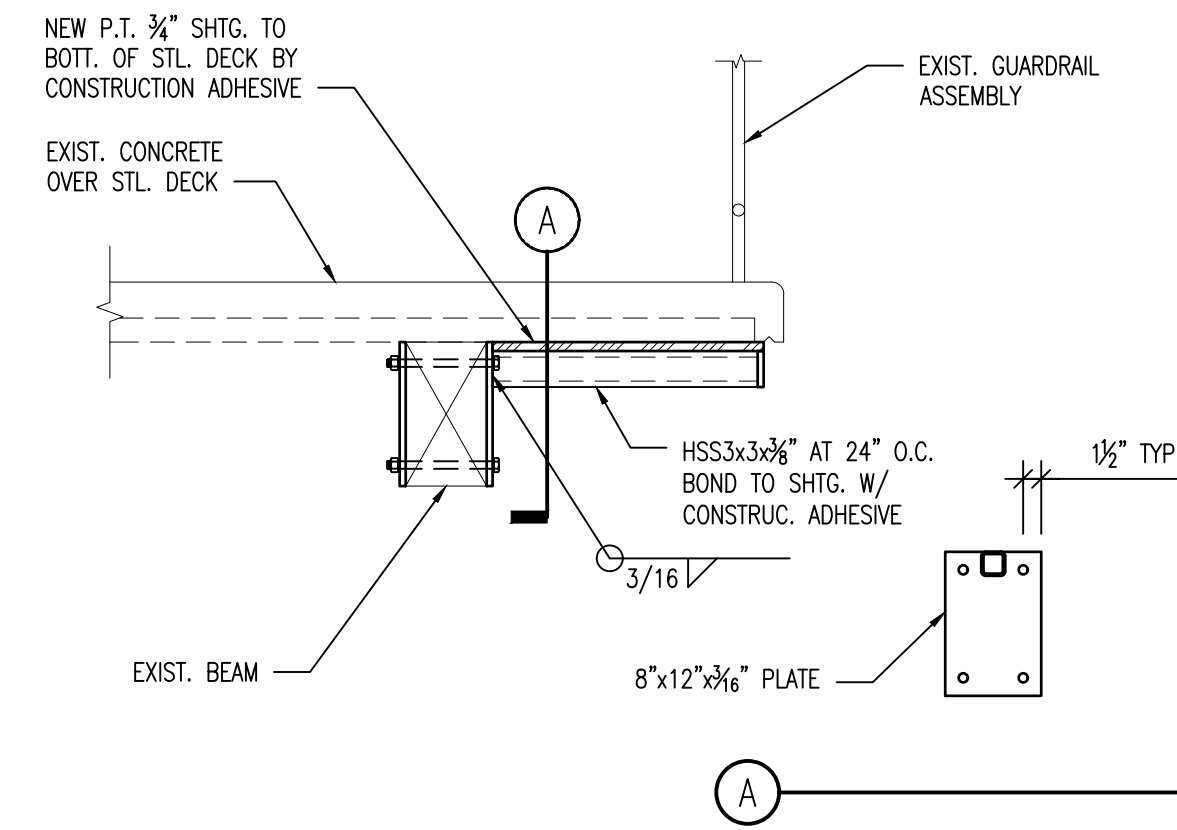
S3.0
THIRD FLOOR
FRAMING PLAN



1 ELEVATED WALKWAY AT BUILDING SCALE: NONE

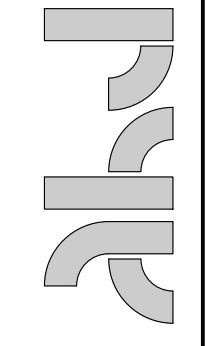


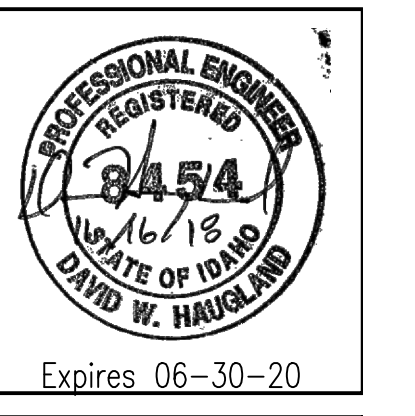
2 ELEVATED WALKWAY AT BEAM SCALE: NONE



3 CANTILEVER SECTION SCALE: NONE

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