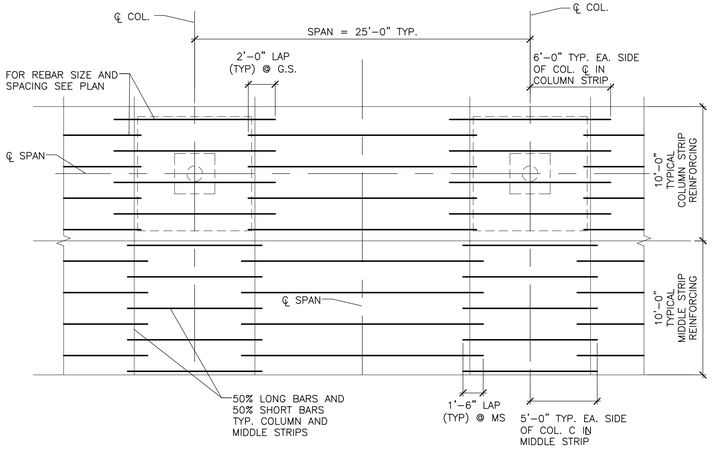
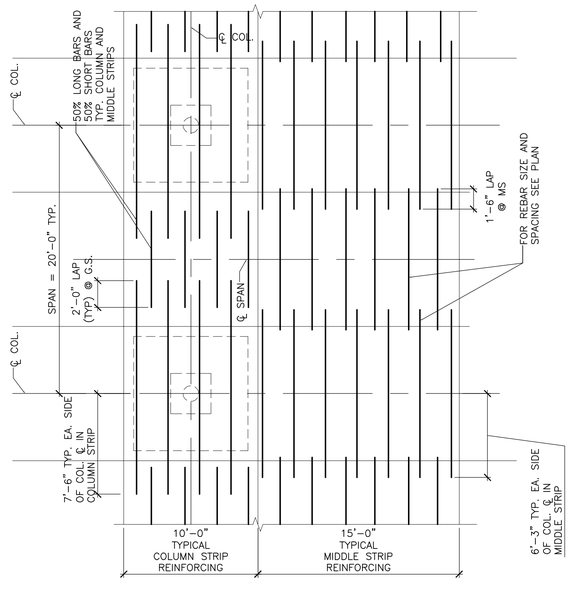


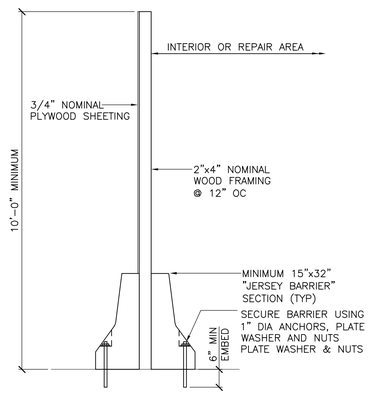
7 / S-401 TYPICAL N-S SLAB TOP REINFORCEMENT LAYOUT

SCALE: 3/16"= 1'-0"



6 / S-401 TYPICAL E-W SLAB TOP REINFORCEMENT LAYOUT

SCALE: 3/16"= 1'-0"

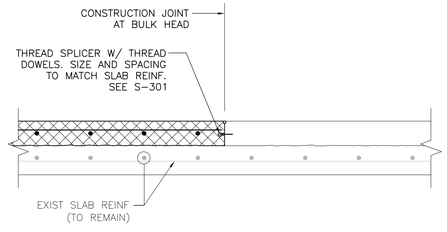


NOTES:

1. THE TEMPORARY CONC JERSEY BARRIER SHOWN SHALL BE CHEMICALLY ANCHORED TO THE EXISTING SLAB. THIS WILL CONSIST OF DRILLING HOLES INTO EXISTING CONCRETE, PLACING ANCHORS INTO HOLE, AND SECURING WITH PRE-APPROVED CHEMICAL ANCHOR MATERIAL.
2. A MINIMUM OF 4 ANCHOR BOLTS FOR EVERY 20 LINEAR FEET OF EACH TEMPORARY CONCRETE JERSEY BARRIER.
3. UPON REMOVAL OF TEMPORARY CONCRETE JERSEY BARRIER, THE ANCHOR BOLTS WILL BE CUT BELOW THE SURFACE OF THE EXISTING CONCRETE SLAB AND FILL THE TOP OF THE HOLE WITH NON-SHRINK GROUT.

4 / S-101 / S-102 / S-103 / S-104 / S-105 / S-106 TEMORARY CONSTRUCTION BARRIER DETAIL

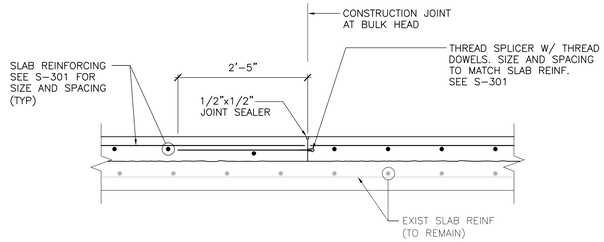
SCALE: 1/2" = 1'-0"



– LIMITS OF EXIST. SLAB TO BE REMOVED.

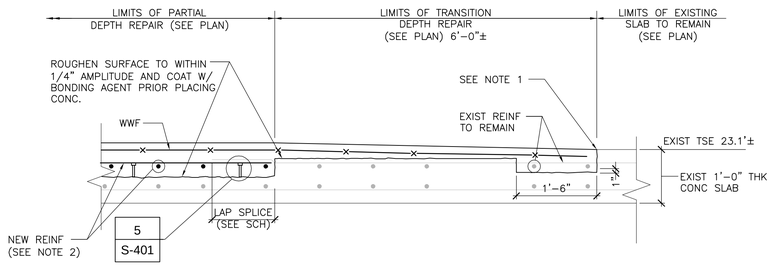
3A / S-201 TYPICAL CONSTRUCTION JOINT DETAIL

SCALE: 3/4" = 1'-0"



3 / S-202 TYPICAL CONSTRUCTION JOINT DETAIL

SCALE: 3/4" = 1'-0"



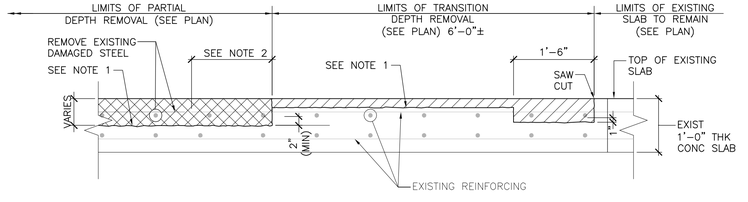
2 / S-201 2 / S-202 2 / S-203 2 / S-204 SECTION

SCALE: 3/4" = 1'-0"

MINIMUM REINFORCEMENT BAR LAP SPLICE LENGTHS	
BAR SIZE	LAP SPLICE LENGHTS (INCHES)
#5	24
#6	29
#7	42
#8	48

NOTES:

1. PROVIDE SMOOTH TRANSITION BETWEEN NEW CONCRETE SURFACE AND EXISTING CONCRETE FLOOR BY VARYING TRANSITION SLOPE TO APPROXIMATELY MATCH CONTOUR OF EXISTING CONCRETE. ABRUPT HIGH POINTS IN EXISTING PROFILE SHALL BE GROUND TO PROMOTE A SMOOTH TRANSITION.
2. PROVIDE NEW REINFORCEMENT TO MATCH THE SIZE AND SPACING OF REINFORCEMENT SHOWN ON DRWGS NO S301 OR S302. NEW REINFORCEMENT SHALL BE INSTALLED WITH TOP OF EXISTING STEEL ELEVATION 23.000± FOR UPPER MAT AND ELEVATION 22.420± FOR LOWER MAT.
3. MECHANICAL COUPLES MAY BE SUBSTITUTED FOR LAP SPLICES AT THE CONTRACTORS OPTION AND EXPENSE.



– INDICATES REMOVAL OF EXIST DETERIORATED CONCRETE AND EXIST REINFORCING STEEL BARS.

– INDICATE REMOVAL OF EXIST DETERIORATED CONCRETE.

NOTES:

1. ROUGHEN CONCRETE SURFACE TO 1/4" AMPLITUDE AND COAT WITH BONDING AGENT PRIOR TO PLACING CONCRETE.
2. MAINTAIN LAP SPLICE AT EXIST REINFORCING STEEL AS PER SCHEDULE. CLEAN STEEL OF ALL RUST AND EXISTING CONCRETE DEBRIS PRIOR TO PLACEMENT OF NEW REINFORCING STEEL.
3. AT FIRST 1'-6" OF TRANSITION AREA DELINEATE PERIMETER WITH 1" DEEP SAW CUT REMOVE THE EXISTING CONCRETE TO 1" BELOW EXIST REINFORCING STEEL AS SHOWN.
4. CLEAN ALL CONCRETE SURFACE BEFORE APPLYING BONDING AGENT ANY DAMAGE TO EXISTING REINFORCING STEEL TO REMAIN DURING DEMOLITION OPERATION, WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR WITH NO ADDITIONAL COST TO THE OWNER.

1 / S-101 1 / S-102 1 / S-103 1 / S-104 SECTION

SCALE: 3/4" = 1'-0"

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URS
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ROCKY HILL, CT. 06067
1-(860)-529-8882

A&E SEAL

REVISIONS

NUMBER	DATE	REMARKS

MID-CONNECTICUT PROJECT
MSW FLOOR REPAIR

MAXIM ROAD
HARTFORD, CT.

PROJECT NO: 36937394
DRAWN BY: MMM
CHECKED BY: PJG
DATE: 10/24/07
CADD FILE: S401.DWG

CONCRETE SLAB REPAIR DETAILS

S-401