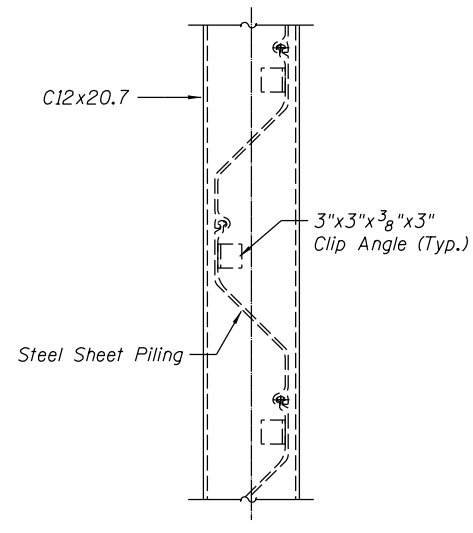
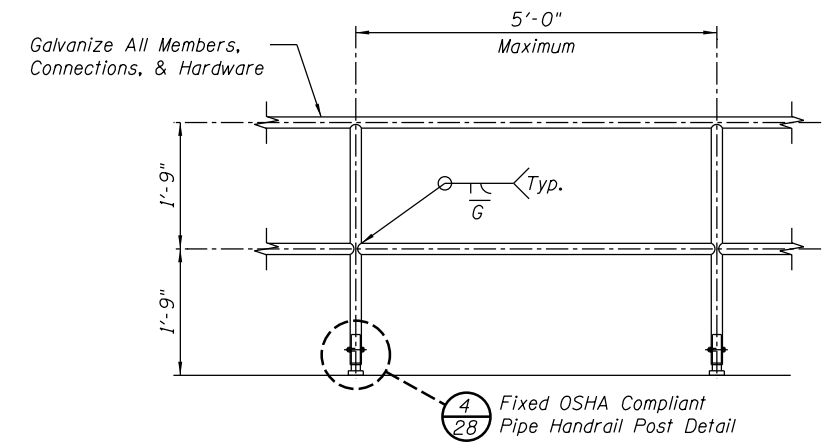


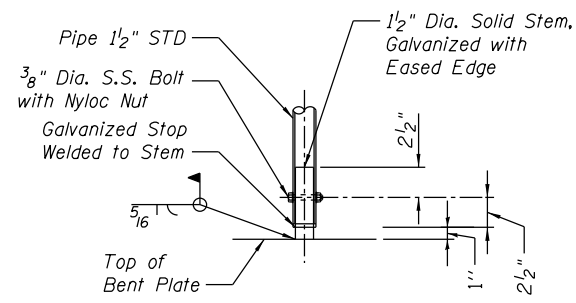
1/28 DETAIL



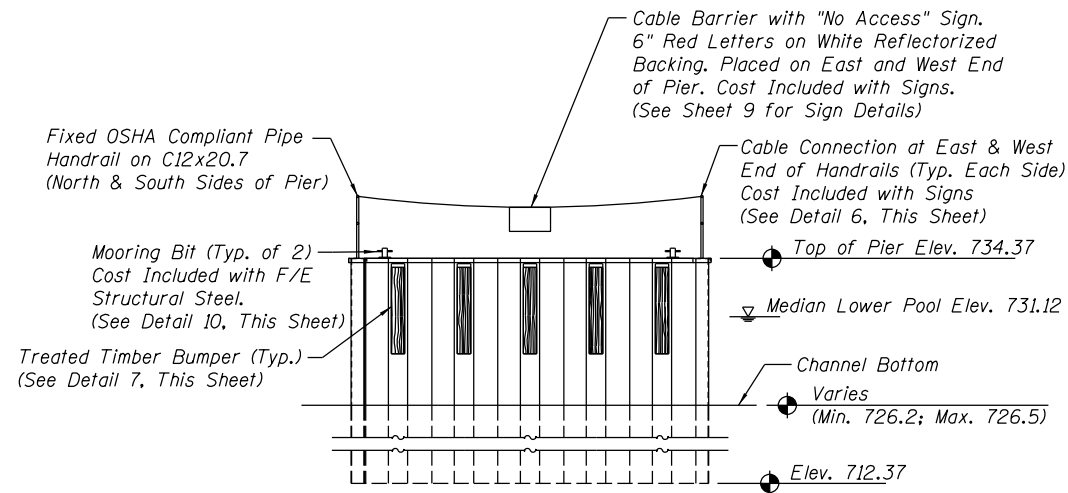
2/28 SECTION



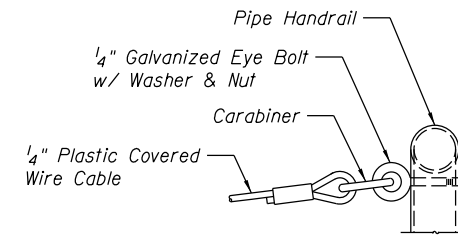
3/28 TYPE 'A' PIPE HANDRAIL



4/28

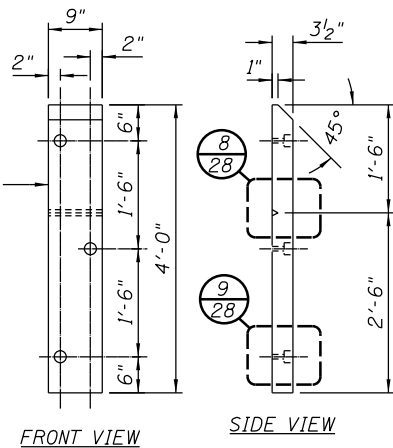


5/28 ELEVATION MAINTENANCE DOCKING PIER



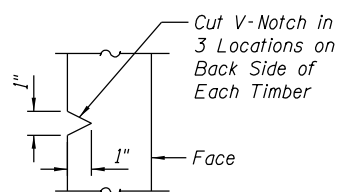
6/28 CABLE CONNECTION DETAIL

5 Each Required (Including 1 Spare) Timbers Shall be Red Oak (Commercial) Treated per Specifications



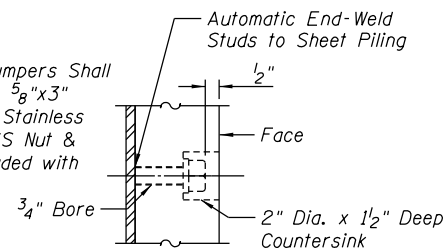
7/28 BUMPER TIMBER DETAILS

Note: Bumper Timbers Shall Extend Below Elevation 730.00.

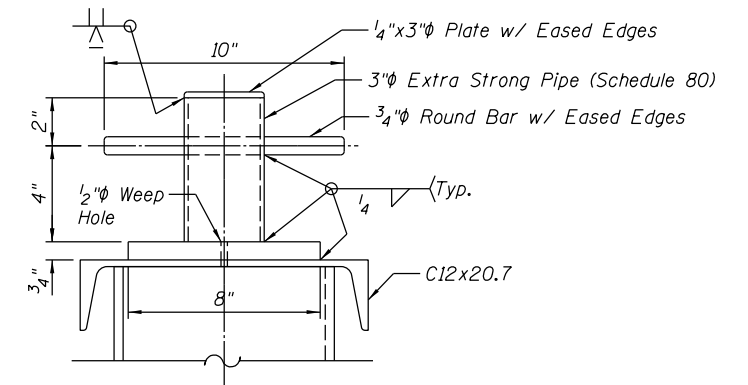


8/28 V-NOTCH DETAIL

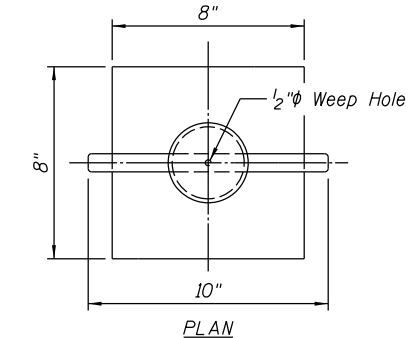
Note: Treated Timber Bumpers Shall Be Attached Using 5/8"x3" Partially Threaded Stainless Steel Studs with SS Nut & Washer. Cost Included with Treated Timber.



9/28 ATTACHMENT DETAIL



ELEVATION



10/28 MOORING BIT DETAILS

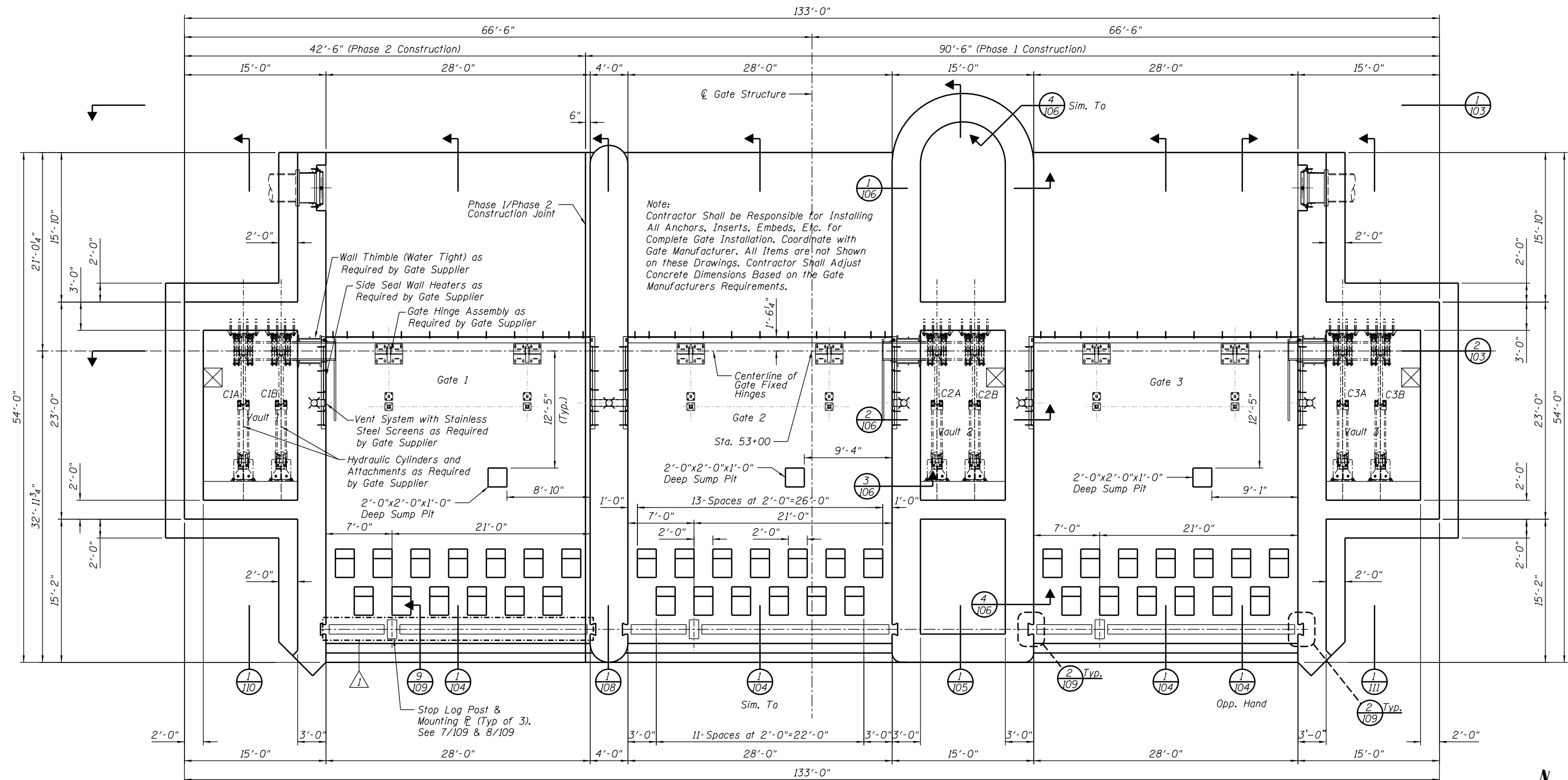
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		CHECKED - RGC	REVISED -
	PLOT SCALE =	DRAWN - SKB/EJM	REVISED -
	PLOT DATE = SEPTEMBER 18, 2013	CHECKED - RGC	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF NATURAL RESOURCES

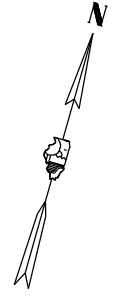
MAINTENANCE DOCKING PIER SECTIONS & DETAILS  
STRATTON LOCK & DAM - LOCK & GATE STRUCTURE IMPROVEMENTS

ILLINOIS DEPARTMENT  
OF NATURAL RESOURCES  
OFFICE OF WATER RESOURCES

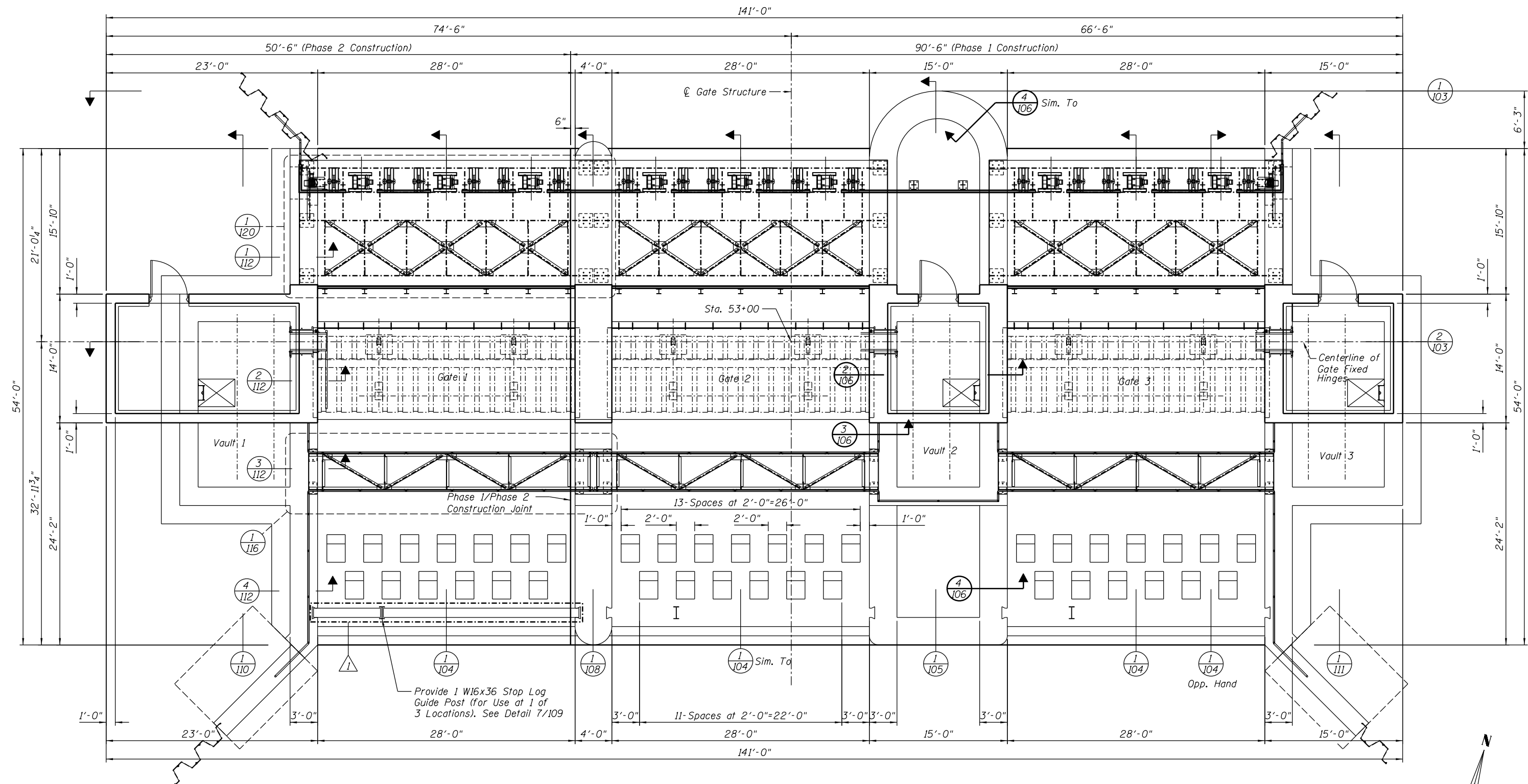
COUNTY	TOTAL SHEETS	SHEET NO.
McHENRY	238	28
PROJECT FR-435		



**GATE STRUCTURE PLAN AT EL. 731'-6"**



FILE NAME = S-2102-GATE 	USER NAME = PLOT SCALE = PLOT DATE = SEPTEMBER 18, 2013	DESIGNED - MAE CHECKED - JGT DRAWN - MAE/EJM CHECKED - JJT	REVISED -  2/21/2014 EJM REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF NATURAL RESOURCES</b>	<b>GATE STRUCTURE PLAN AT ELEVATION 731'-6"</b> <b>STRATTON LOCK &amp; DAM - LOCK &amp; GATE STRUCTURE IMPROVEMENTS</b>	ILLINOIS DEPARTMENT OF NATURAL RESOURCES OFFICE OF WATER RESOURCES	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td>McHENRY</td> <td>238</td> <td>100</td> </tr> </table>	COUNTY	TOTAL SHEETS	SHEET NO.	McHENRY	238	100
COUNTY	TOTAL SHEETS	SHEET NO.											
McHENRY	238	100											



GATE STRUCTURE PLAN AT EL. 745'-6"

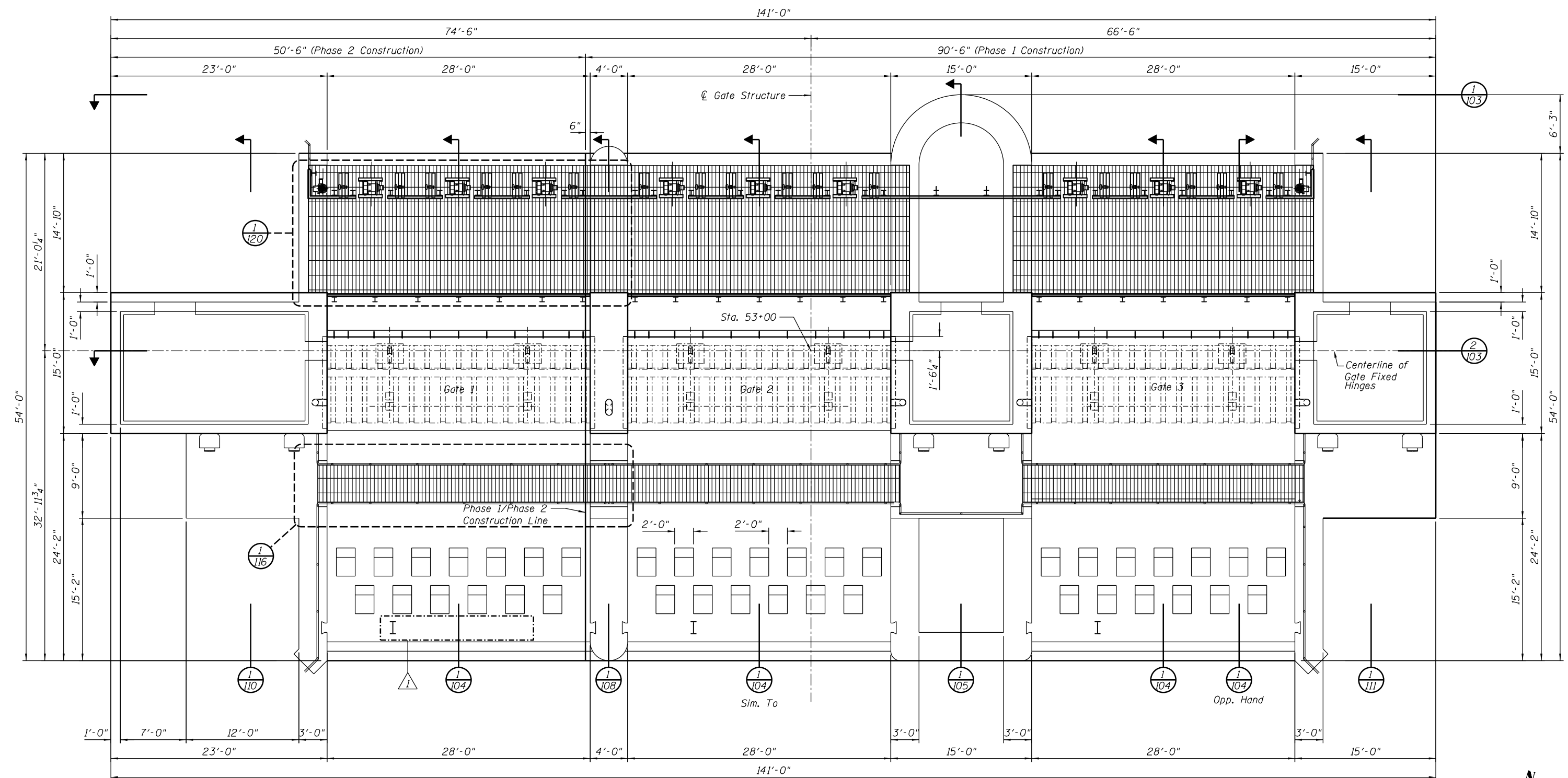
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USER NAME =	CHECKED - JGT	REVISED -
PLOT SCALE =	DRAWN - MAE/EJM	REVISED -
PLOT DATE = SEPTEMBER 18, 2013	CHECKED - JJT	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF NATURAL RESOURCES

GATE STRUCTURE PLAN AT ELEVATION 745'-6"  
STRATTON LOCK & DAM - LOCK & GATE STRUCTURE IMPROVEMENTS

ILLINOIS DEPARTMENT  
OF NATURAL RESOURCES  
OFFICE OF WATER RESOURCES

COUNTY	TOTAL SHEETS	SHEET NO.
McHENRY	238	101
PROJECT FR-435		



GATE STRUCTURE PLAN AT EL. 756'-6"

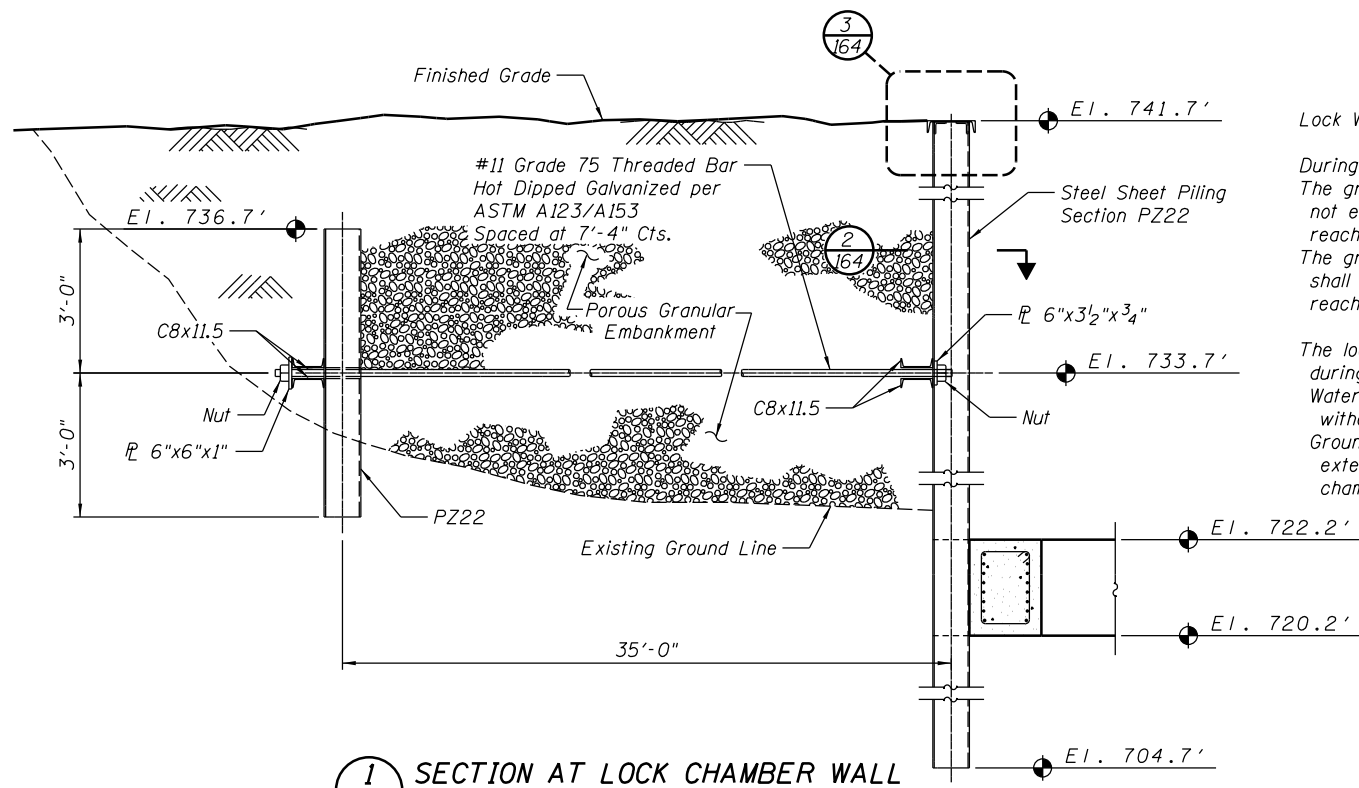
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		CHECKED - JGY	REVISED -
PLOT SCALE =		DRAWN - MAE/EJM	REVISED -
PLOT DATE = SEPTEMBER 18, 2013		CHECKED - JJT	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF NATURAL RESOURCES

GATE STRUCTURE PLAN AT ELEVATION 756'-6"  
STRATTON LOCK & DAM - LOCK & GATE STRUCTURE IMPROVEMENTS

ILLINOIS DEPARTMENT  
OF NATURAL RESOURCES  
OFFICE OF WATER RESOURCES

COUNTY	TOTAL SHEETS	SHEET NO.
McHENRY	238	102
PROJECT FR-435		

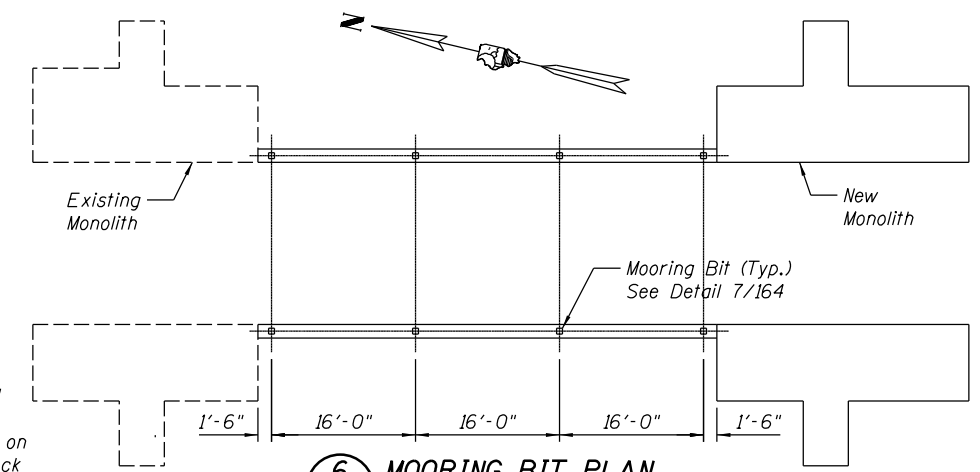


**1 SECTION AT LOCK CHAMBER WALL**  
164

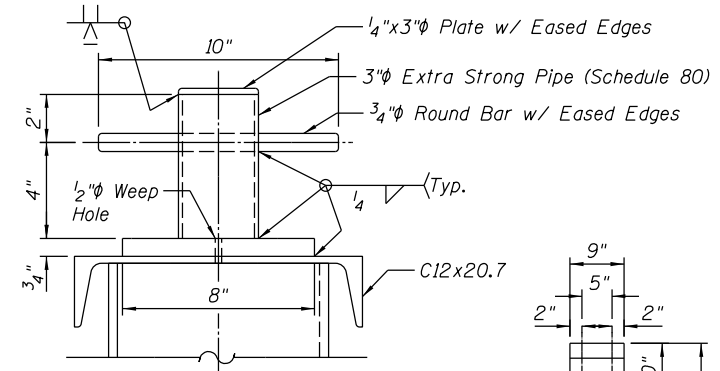
**Lock Wall Staging Notes:**

During construction of the lock chamber walls:  
The ground line on the exterior side of the diffuser basin shall not exceed Elevation 722.2 until the diffuser basin floor slab has reached design strength.  
The ground line on the exterior side of the lock chamber wall shall not exceed Elevation 724.7 until the lock chamber floor has reached design strength.

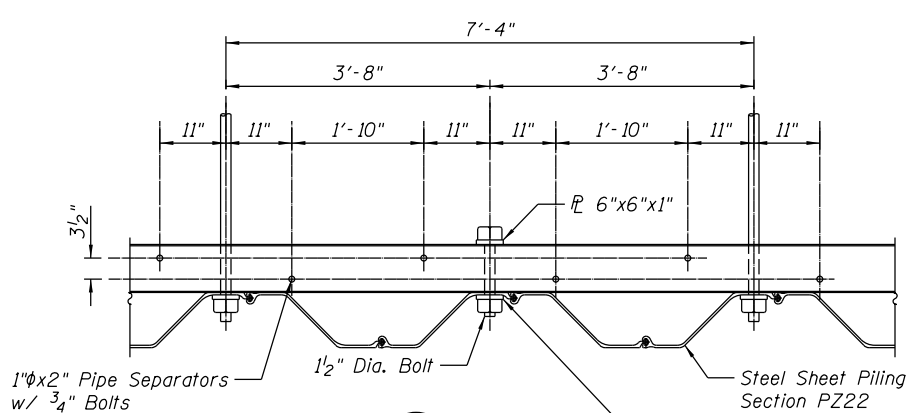
The lock chamber walls may be left in a partially completed state during the navigation season if all of the following are satisfied.  
Water levels on both sides of the sheet pile are passively equalized without intervention by the contractor.  
Ground line is equal on both sides of the sheet pile or ground line on exterior side is not more than 2.5 feet above top of completed lock chamber floor.



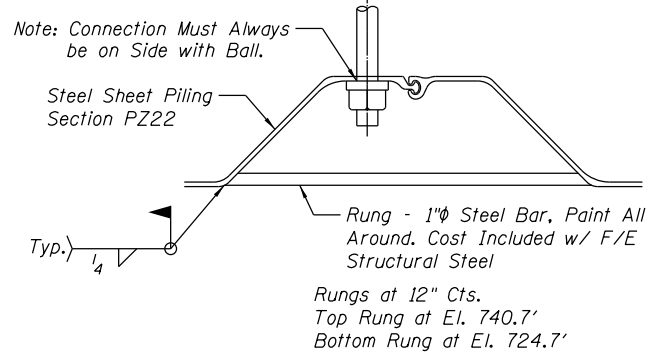
**6 MOORING BIT PLAN**  
164



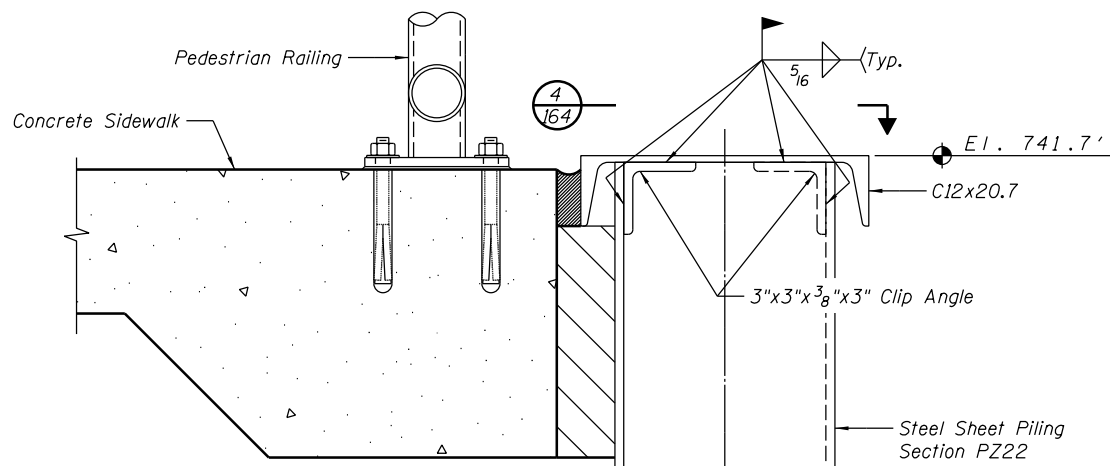
**7 MOORING BIT DETAILS**  
164



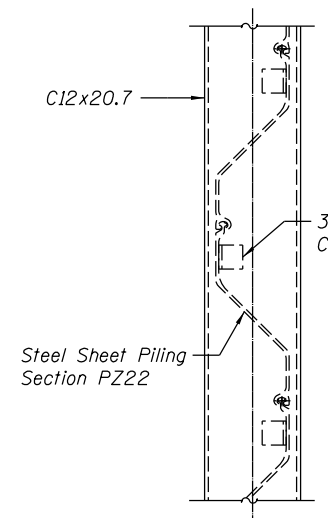
**2 SECTION**  
164



**5 LADDER DETAIL**  
164



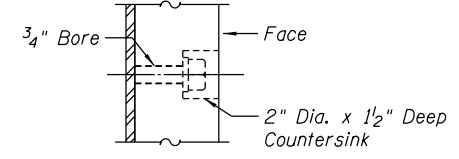
**3 DETAIL**  
164



**4 SECTION**  
164

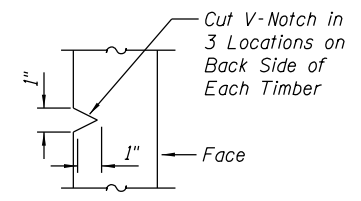
Red Oak Timbers Shall be Commercial Grade No. 3 or Better per the Design Values for Wood Construction, by the National Forest Products Association.

Note: Treated Timber Bumper Shall Be Attached Using 5/8\"/>

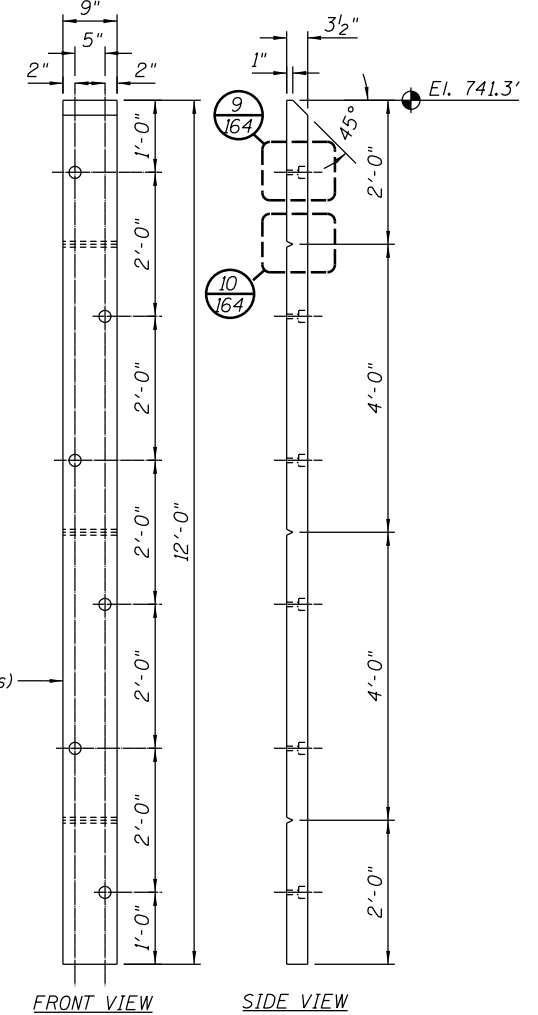


**9 ATTACHMENT DETAIL**  
164

31 Required (Including 3 Spares) Timbers Shall be Red Oak Treated per Specifications



**10 V-NOTCH DETAIL**  
164



**8 BUMPER TIMBER DETAILS**  
164

FILE NAME = S-5001-LOCK	USER NAME =	DESIGNED - RGC	REVISED - 2/21/2014 EJM
		CHECKED - DDO	REVISED -
	PLOT SCALE =	DRAWN - EJM	REVISED -
	PLOT DATE = SEPTEMBER 18, 2013	CHECKED - RGC	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF NATURAL RESOURCES

LOCK CHAMBER WALL DETAILS  
STRATTON LOCK & DAM - LOCK & GATE STRUCTURE IMPROVEMENTS

ILLINOIS DEPARTMENT  
OF NATURAL RESOURCES  
OFFICE OF WATER RESOURCES

COUNTY	TOTAL SHEETS	SHEET NO.
McHENRY	238	164
PROJECT FR-435		