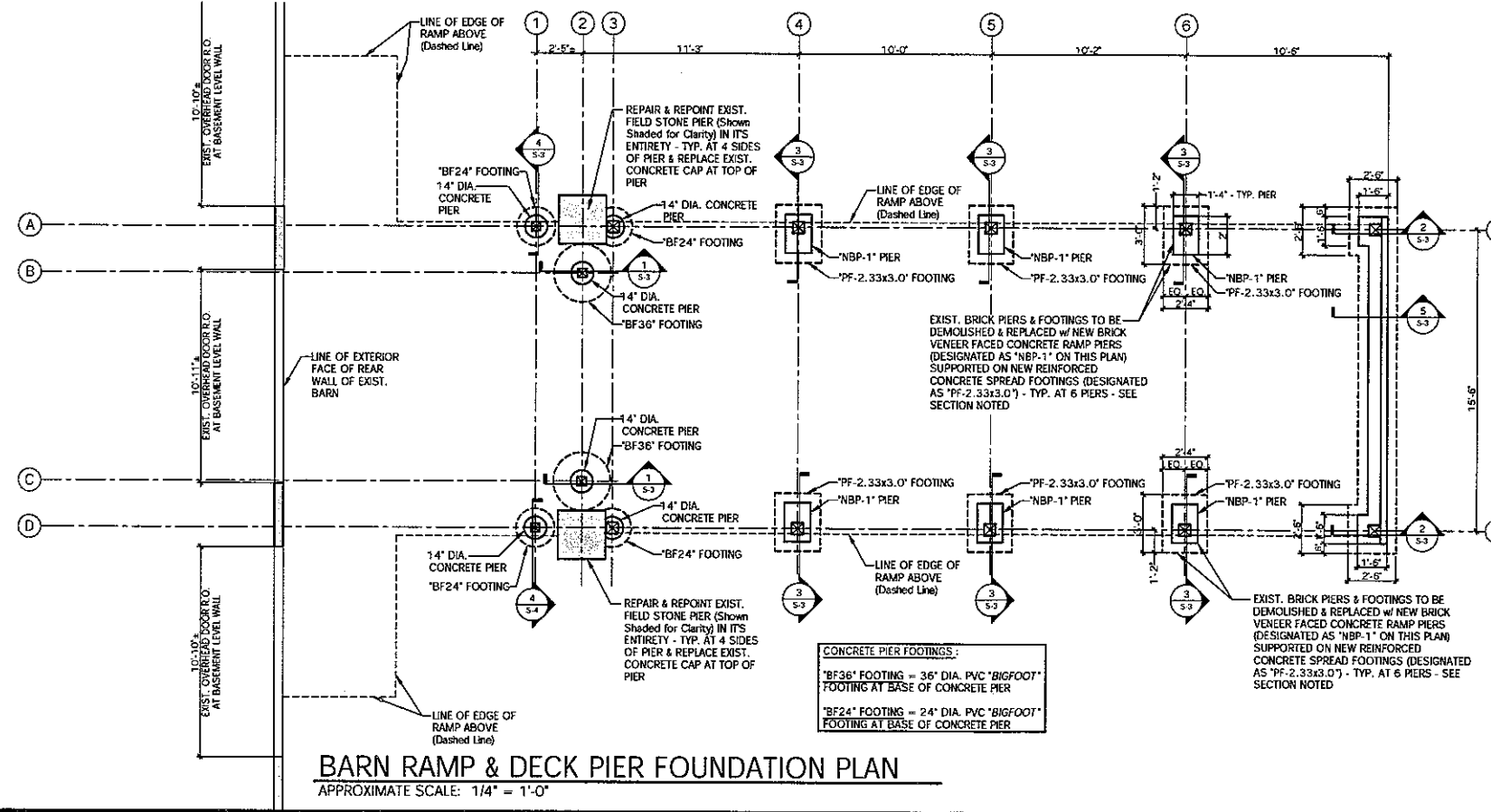
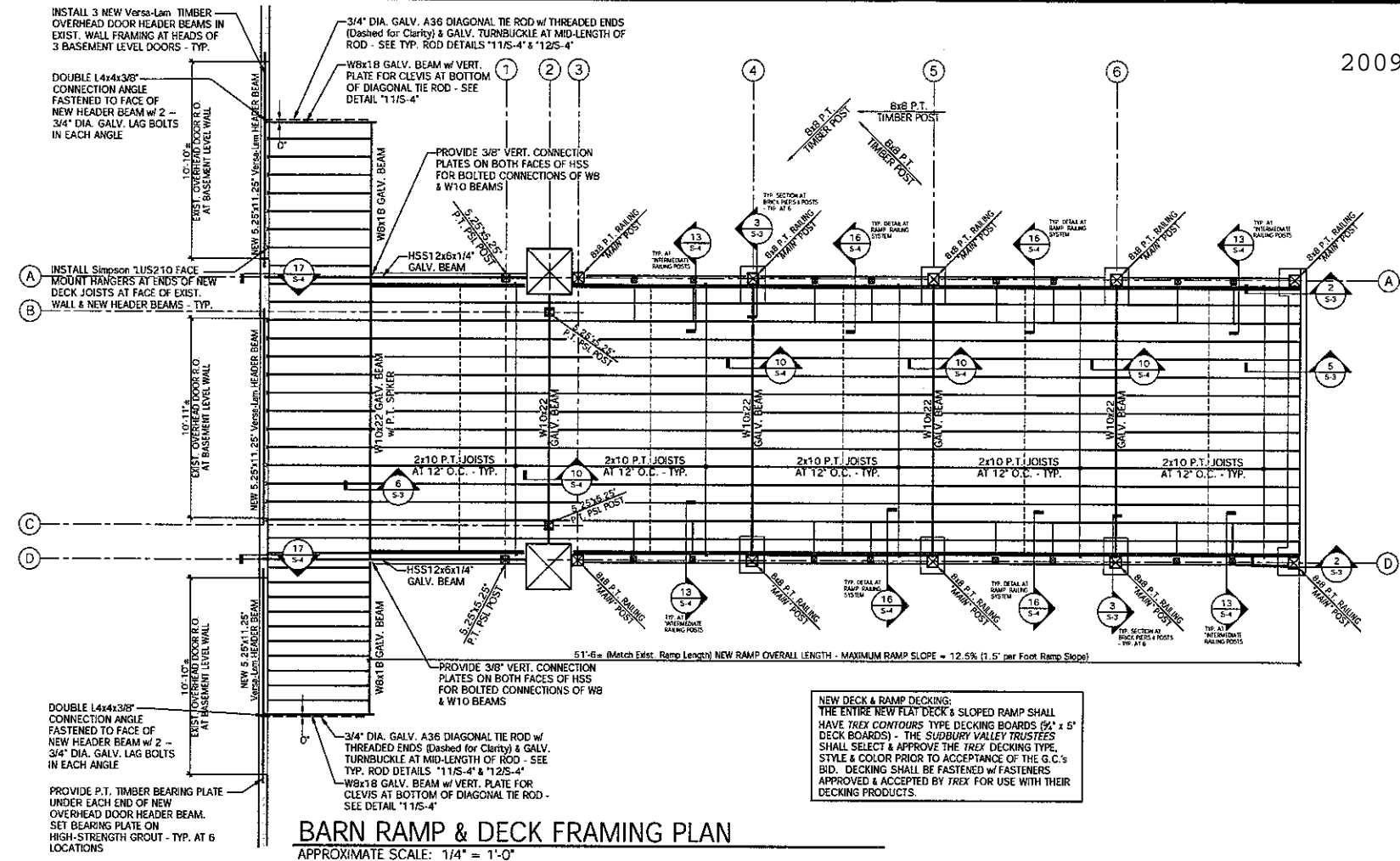




2009 - SVT Barn Ramp B



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NOTE:
1. The Contractor is responsible for verifying all dimensions, elevations, layout and conditions in the field & that they conform to the Engineering, Inc. (the Structural Engineer) of all discrepancies and/or conflicts on this drawing prior to the commencement of construction.
2. All Structural Drawings are dimensioned, and any notes on the drawing for dimensions, elevations, sizes or other measurements. Only written dimensions, elevations, and sizes shall be used. All dimensions & elevations shall be coordinated in the field.

REVISIONS:

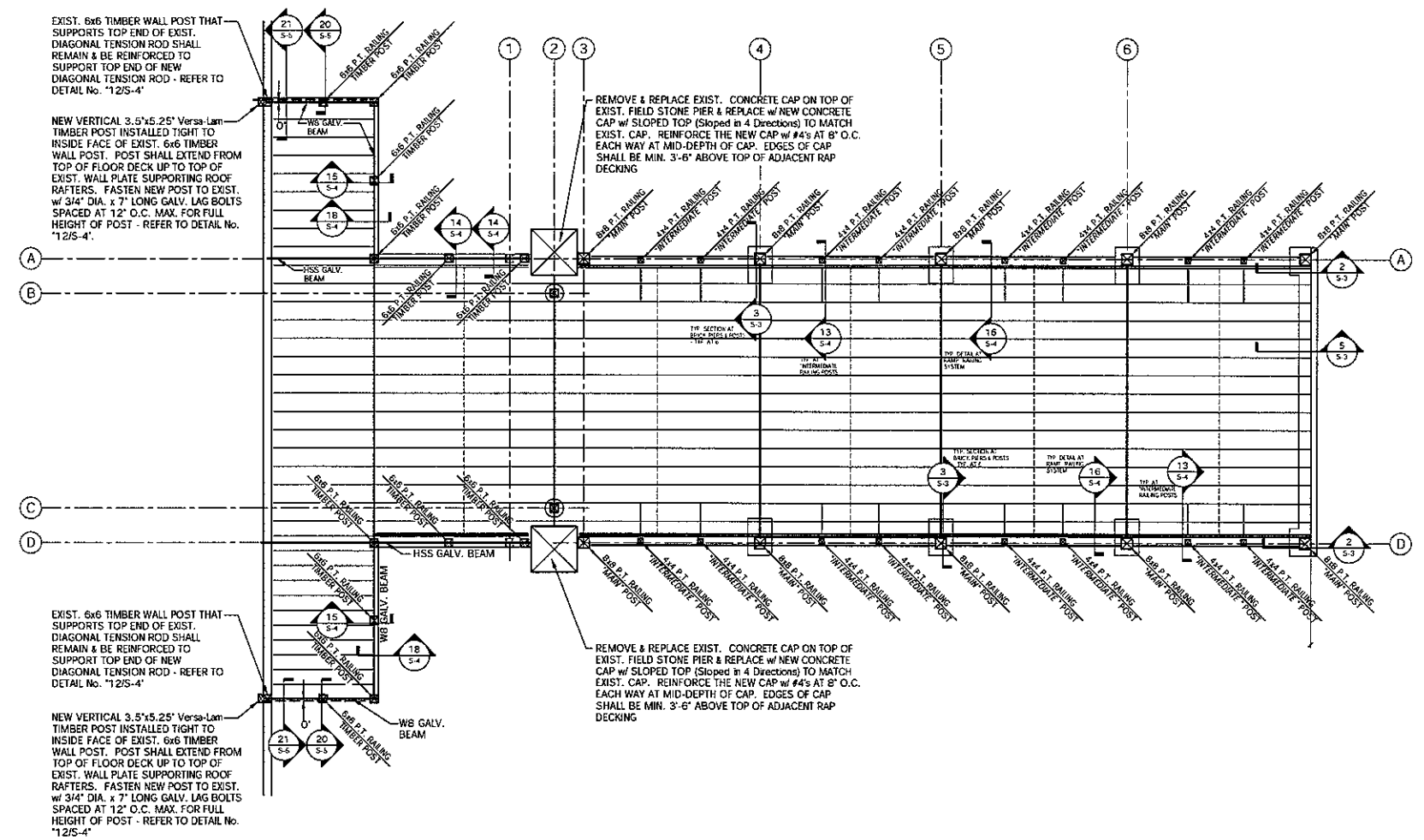
PROJECT:
SUDBURY VALLEY TRUSTEES
BARN RAMP & DECK REPLACEMENT
18 WOLBACH ROAD
SUDBURY, MA 01776

DRAWING TITLE:
NEW BARN RAMP PIER FOUNDATION PLAN & FRAMING PLAN

DATE: OCT. 21, 2008
SCALE: As Noted

I.R.E.I. PROJECT No.: IR-0221

DRAWING ISSUE: PERMIT
Drawing No.: S-1



BARN RAMP & DECK RAILING SYSTEM POST LAYOUT PLAN
 APPROXIMATE SCALE: 1/4" = 1'-0"

NOTE:
 THE GENERAL CONTRACTOR SHALL RAISE THE ELEVATION OF THE EXISTING GRADE AS RECD AT AREA OF THE SITE ADJACENT TO AND SURROUNDING THE END OF THE NEW RAMP AS REQD TO ACCOMMODATE THE CODE REQD SLOPE OF THE NEW RAMP SLOPE WHICH IS SHALLOWER SLOPE THAN THAT OF THE EXISTING RAMP STRUCTURE. THE GENERAL CONTRACTOR SHALL REGRADE THE AREA AROUND THE END OF THE NEW RAMP AS REQD TO PROVIDE THE NECESSARY GRADE SLOPES AND GRADIENTS IN ACCORDANCE WITH ALL APPLICABLE CODES. THE DETERMINATION & DESIGN OF THE NEW GRADING & GRADE ELEVATION IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR & HAS NOT BEEN DESIGNED BY OR THE RESPONSIBILITY OF IPSWICH RIVER ENGINEERING, INC.

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NOTE:
 1. The Contractor is responsible for verifying all dimensions, elevations, layout and configuration in the field & shall notify Ipswich River Engineering, Inc. (the Structural Engineer) of all discrepancies and/or conflicts on this drawing prior to the commencement of construction.
 2. All Structural Drawings are diagrams, and are not to be scaled for dimensions, elevations, area or other measurements. Only written descriptions, elevations, and notes shall be used. All dimensions & elevations shall be coordinated to the text.

REVISIONS:

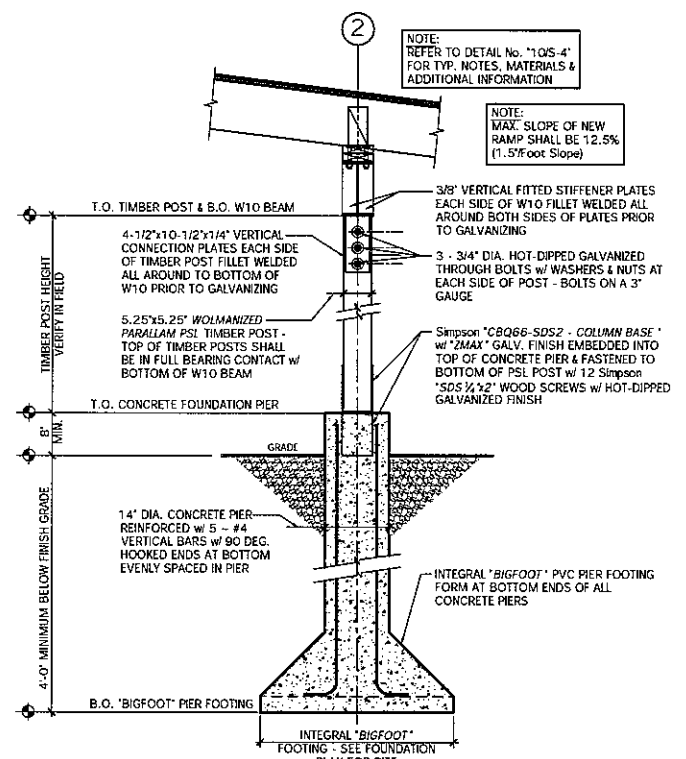
PROJECT:
 SUDBURY VALLEY
 TRUSTEES
 BARN RAMP & DECK
 REPLACEMENT
 18 WOLBACH ROAD
 SUDBURY, MA 01776

DRAWING TITLE:
 NEW BARN RAMP
 & DECK RAILING
 SYSTEM LAYOUT
 PLAN

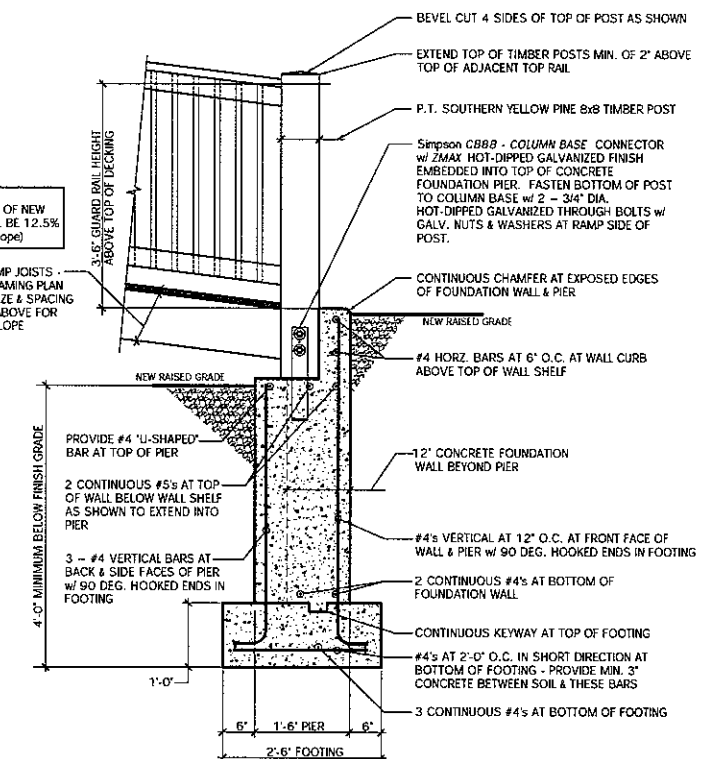
DATE: OCT. 21, 2008 **SCALE:** As Noted

I.R.E.I. PROJECT No.: IR-0221

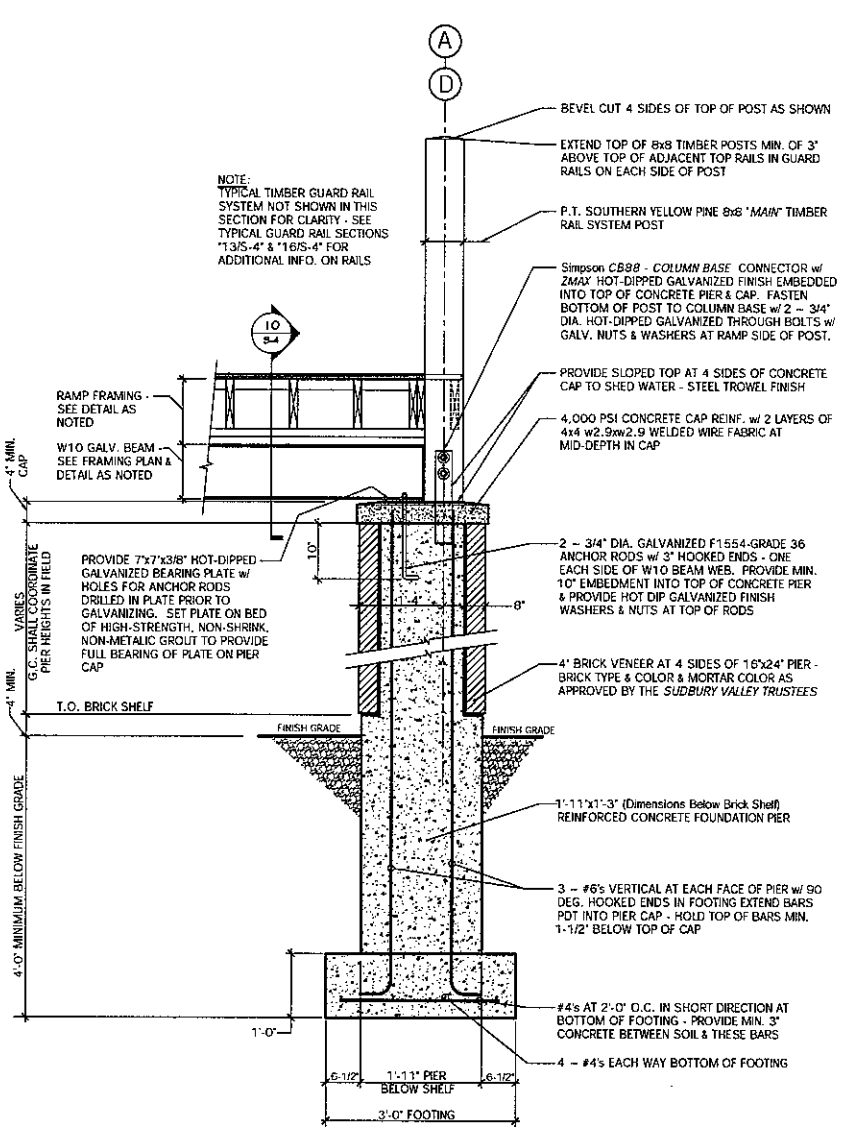
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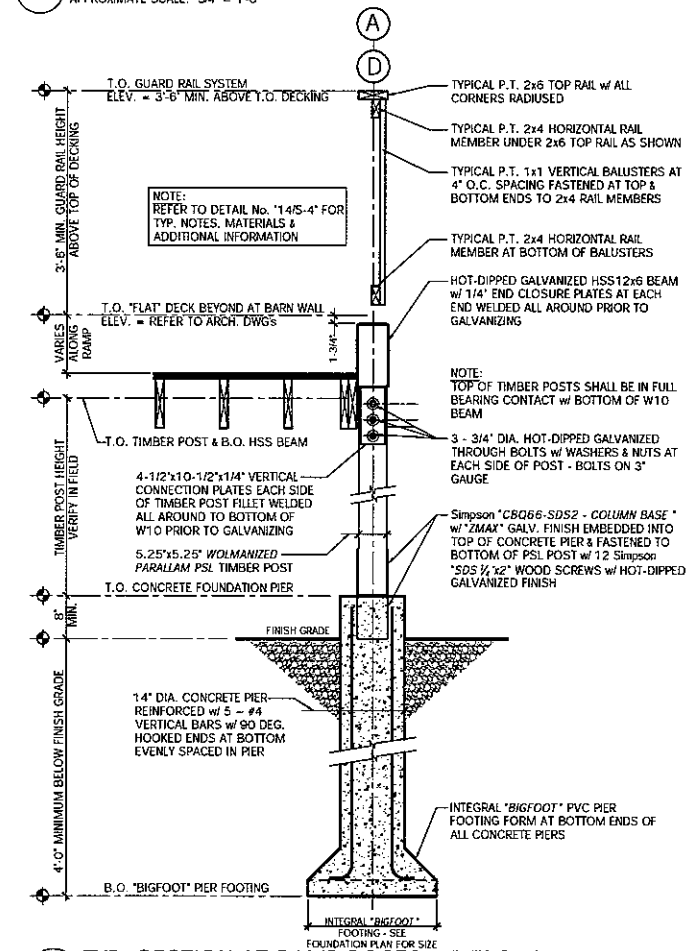
1 TYP. SECTION AT RAMP POSTS & PIERS AT "2-B" & "2-C"
APPROXIMATE SCALE: 3/4" = 1'-0"



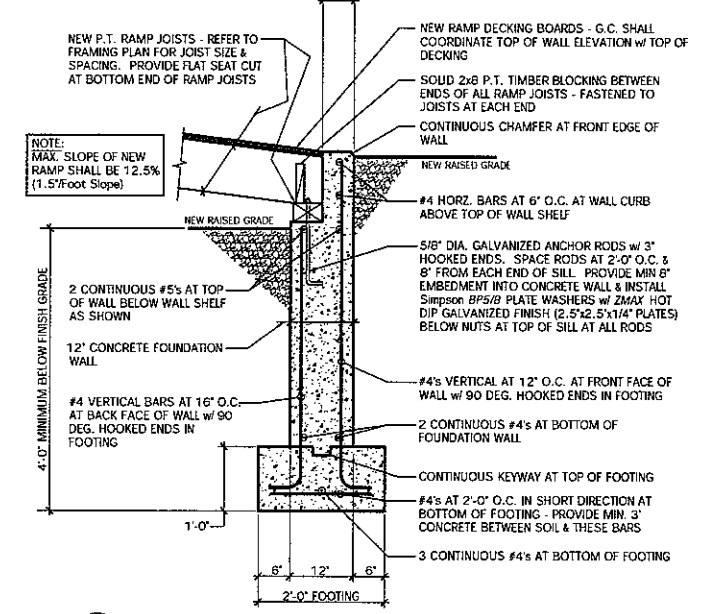
2 TYP. SECTION AT RAMP END WALL FOUNDATION PIER
APPROXIMATE SCALE: 3/4" = 1'-0"



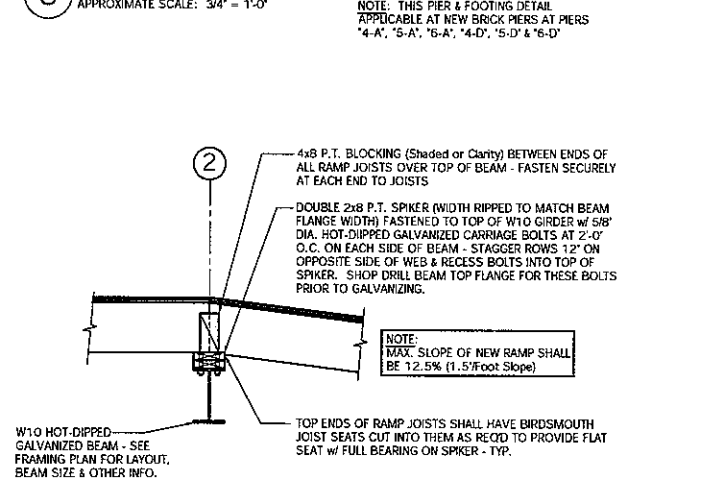
3 TYP. SECTION AT BRICK RAMP PIERS & FOOTINGS
APPROXIMATE SCALE: 3/4" = 1'-0"



4 TYP. SECTION AT RAMP POSTS & PIERS AT "1-A" & "1-D"
APPROXIMATE SCALE: 3/4" = 1'-0"



5 TYP. SECTION AT RAMP END FOUNDATION WALL
APPROXIMATE SCALE: 3/4" = 1'-0"



6 TYP. SECTION AT DECK & RAMP FRAMING
APPROXIMATE SCALE: 3/4" = 1'-0"

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NOTE:
1. The Contractor is responsible for verifying all dimensions, elevations, heights and configurations in the field in strict conformity with the Engineering, Inc. the Structural Engineer of all discrepancies and/or conflicts on this drawing prior to the commencement of construction.
2. All Structural Drawings are diagramsmatic, and are not to be scaled for dimensions, elevations, sizes or other measurements. Only written descriptions, elevations, and sizes shall be used. All dimensions & elevations shall be coordinated in the field.

REVISIONS:

NO.	DESCRIPTION

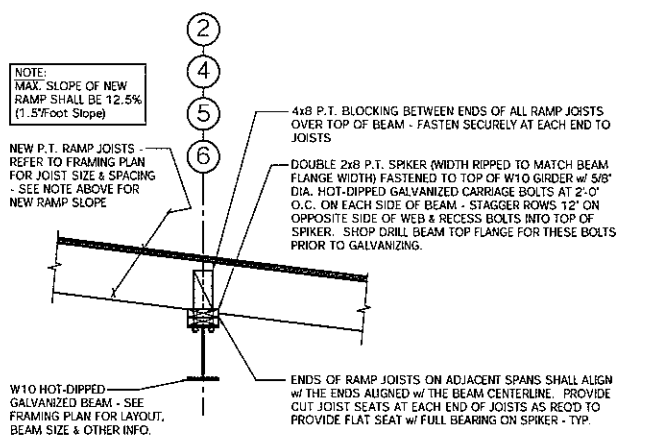
PROJECT:
SUDBURY VALLEY TRUSTEES
BARN RAMP & DECK REPLACEMENT
18 WOLBACH ROAD
SUDBURY, MA 01776

DRAWING TITLE:
NEW BARN RAMP & DECK FOUNDATION & FRAMING DETAILS

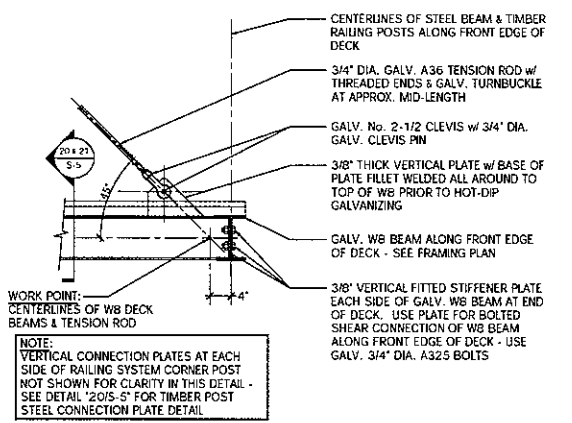
DATE: OCT. 21, 2008 **SCALE:** As Noted

I.R.E.I. PROJECT No.: IR-0221

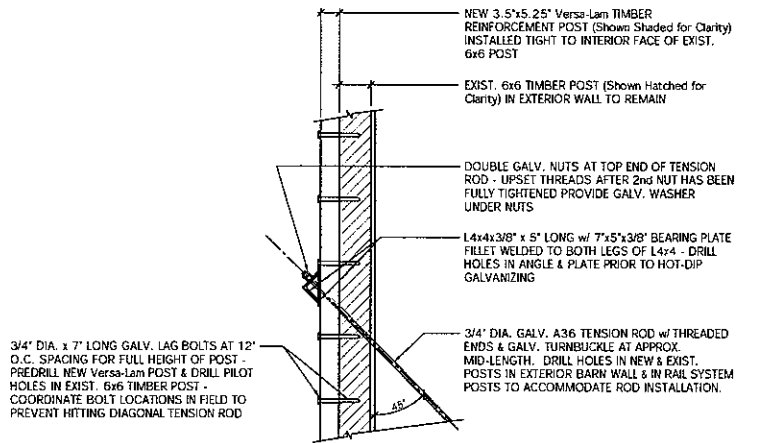
DRAWING ISSUE: PERMIT **Drawing No.:** S-3



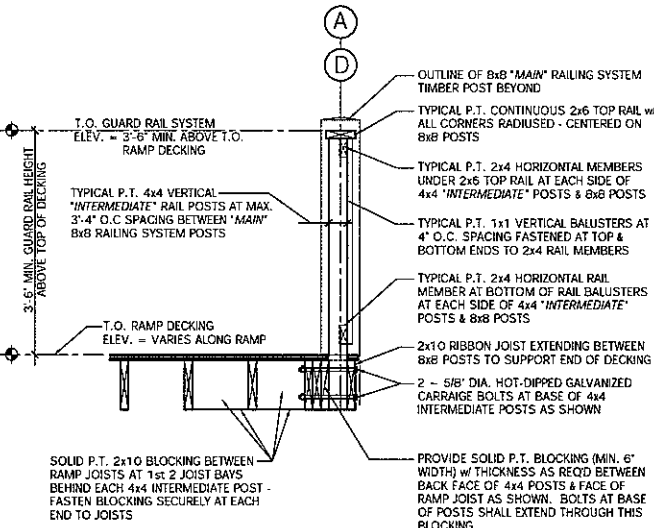
10 TYP. SECTION AT W10x22 RAMP BEAMS
APPROXIMATE SCALE: 3/4" = 1'-0"



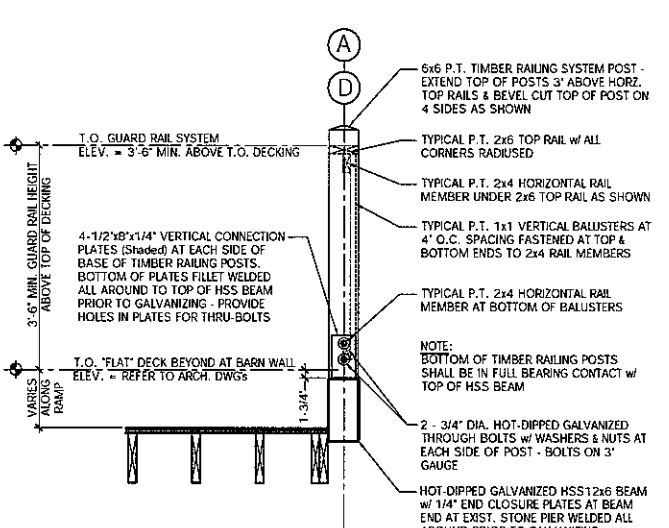
11 TYP. SECTION AT BASE OF TENSION ROD
APPROXIMATE SCALE: 3/4" = 1'-0"



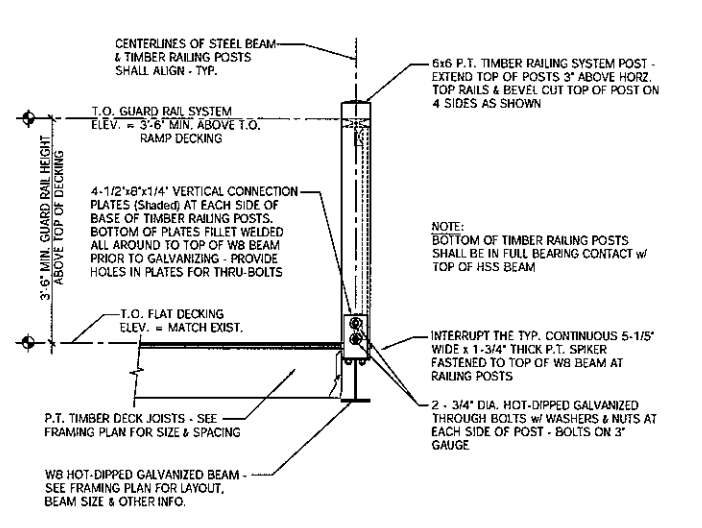
12 TYP. SECTION AT TOP END OF TENSION ROD
APPROXIMATE SCALE: 3/4" = 1'-0"



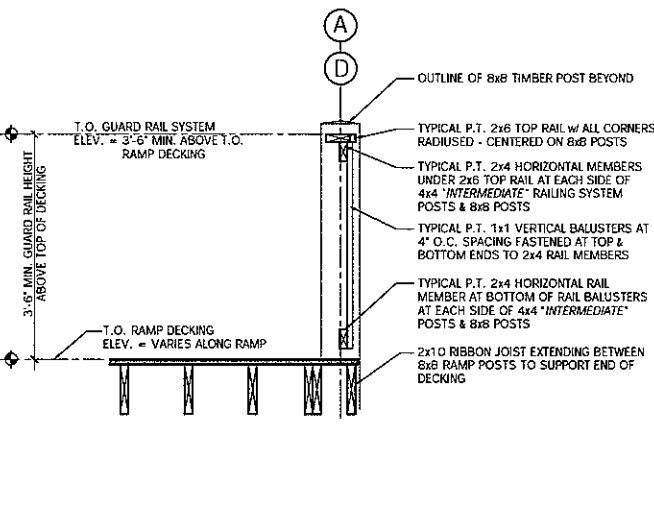
13 TYP. SECTION AT RAMP GUARDRAIL RAILING SYSTEM
APPROXIMATE SCALE: 3/4" = 1'-0"



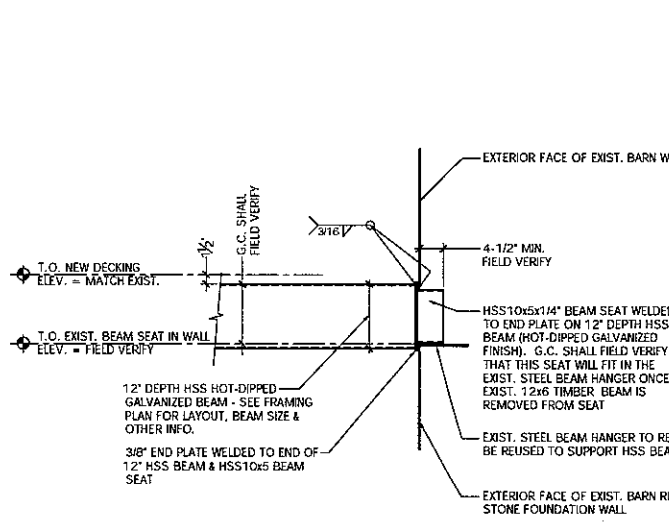
14 TYP. SECTION AT RAMP GUARDRAIL RAILING SYSTEM
APPROXIMATE SCALE: 3/4" = 1'-0"



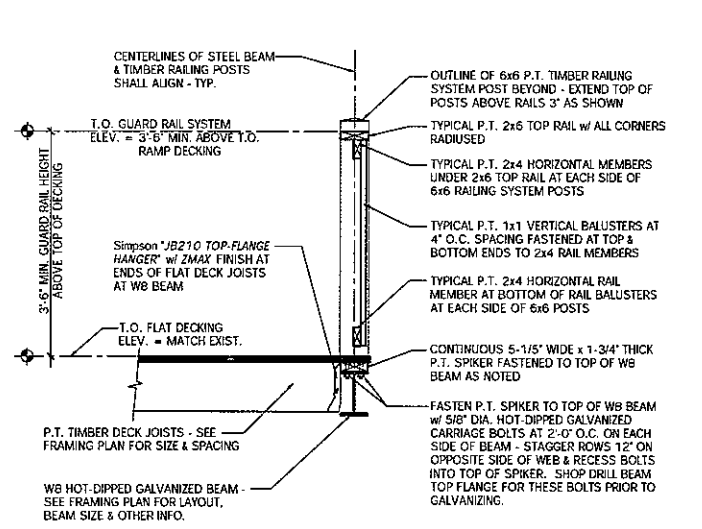
15 TYP. SECTION AT RAILING POSTS AT "FLAT" DECK
APPROXIMATE SCALE: 3/4" = 1'-0"



16 TYP. SECTION AT RAMP GUARDRAIL RAILING SYSTEM
APPROXIMATE SCALE: 3/4" = 1'-0"



17 TYP. SECTION AT END OF HSS BEAMS AT BARN WALL
NOT TO SCALE



18 TYP. SECTION AT EDGE OF "FLAT" DECK
APPROXIMATE SCALE: 3/4" = 1'-0"

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2. All Structural Drawings are approximate, and are not to be scaled for dimensions, elevations, sizes or other measurements. Only written dimensions, elevations, and sizes shall be used. All elevations & dimensions shall be coordinated in the field.

REVISIONS:

PROJECT:
SUDBURY VALLEY TRUSTEES BARN RAMP & DECK REPLACEMENT
18 WOLBACH ROAD
SUDBURY, MA 01776

DRAWING TITLE:
NEW BARN RAMP & FRAMING DETAILS

DATE: OCT. 21, 2008 SCALE: As Noted

I.R.E.I. PROJECT No.: IR-0221

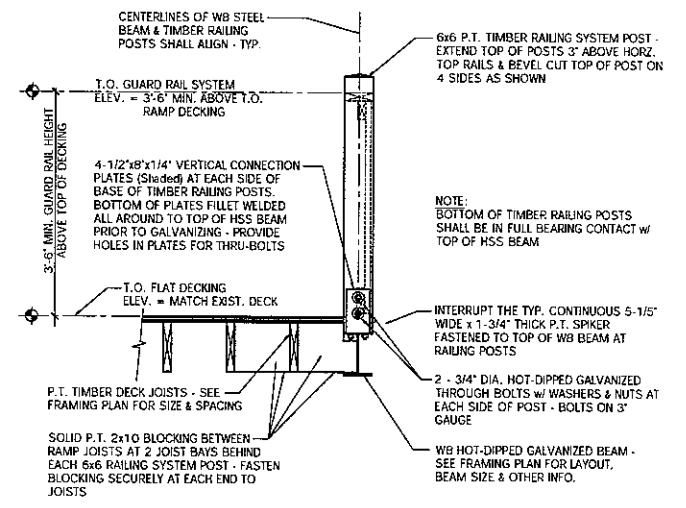
DRAWING ISSUE: PERMIT Drawing No.: S-4



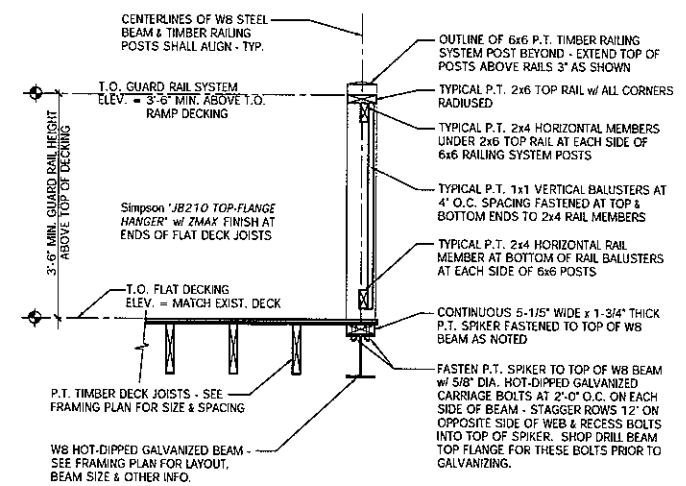
STRUCTURAL GENERAL NOTES

- 1. FOUNDATIONS: AT NEW FOOTINGS SHALL BEAR ON UNDISTURBED SOIL... 2. CONCRETE: ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH... 3. REINFORCING STEEL: ALL REINFORCING STEEL SHALL BE ASTM A615, GRADE 60... 4. TIMBER FRAMING: EXCEPT DESIGNATED POSTS AS NOTED ON THE PLANS... 5. PARALLEL STRAND LUMBER TIMBER POSTS - DESIGNATED AS 'PARALLAM' OR 'PSL' ON DRAWINGS... 6. LAMINATED VENEER LUMBER BEAMS AND JOISTS - DESIGNATED AS 'LV' OR 'Versa-Lam' ON DRAWINGS... 7. STRUCTURAL STEEL: ALL STRUCTURAL STEEL ROLLED SHAPES, PLATES, BARS, AND 'HSS' HOLLOW STRUCTURAL SECTIONS SHALL CONFORM TO THE FOLLOWING...

- 8) SHARP AND FIELD BOLTED CONNECTIONS SHALL BE BY HIGH-STRENGTH BOLTS WITH HOT-DIPPED GALVANIZED FINISH... 9) BOLTED CONNECTIONS SHALL BE MADE USING 3/4" DIAMETER A-325 HIGH STRENGTH BOLTS... 10) ALL STRUCTURAL STEEL SHALL BE SHOP PRIMED WITH A RUST-INHIBITIVE PRIMER... 11) ALL STRUCTURAL STEEL SHALL BE SHOP PRIMED WITH A RUST-INHIBITIVE PRIMER... 12) TEMPORARY SHORING AND BRACING: ALL TEMPORARY SHORING AND BRACING NECESSARY TO PROTECT THE EXISTING STRUCTURE... 13. MISCELLANEOUS: ALL MATERIAL, PRODUCT AND COMPONENT SUBSTITUTIONS SHALL BE PRE-APPROVED BY IPSWICH RIVER ENGINEERING, INC. AND MUST HAVE EQUAL PROPERTIES AND LOAD CARRYING CAPACITIES AS DOCUMENTED IN THE MANUFACTURERS CATALOGS...



20 TYP. SECTION AT RAILING POSTS AT 'FLAT' DECK APPROXIMATE SCALE: 3/4" = 1'-0"



21 TYP. SECTION AT EDGE OF 'FLAT' DECK & RAILING APPROXIMATE SCALE: 3/4" = 1'-0"

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Table with 2 columns: REVISIONS, and empty rows for recording changes.

PROJECT: SUDBURY VALLEY TRUSTEES BARN RAMP & DECK REPLACEMENT 18 WOLBACH ROAD SUDBURY, MA 01776

DRAWING TITLE: NEW BARN RAMP & DECK FRAMING DETAILS & STRUCTURAL GENERAL NOTES

DATE: OCT. 21, 2008 SCALE: As Noted I.R.E.I. PROJECT No.: IR-0221 DRAWING ISSUE: PERMIT Drawing No.: S-5