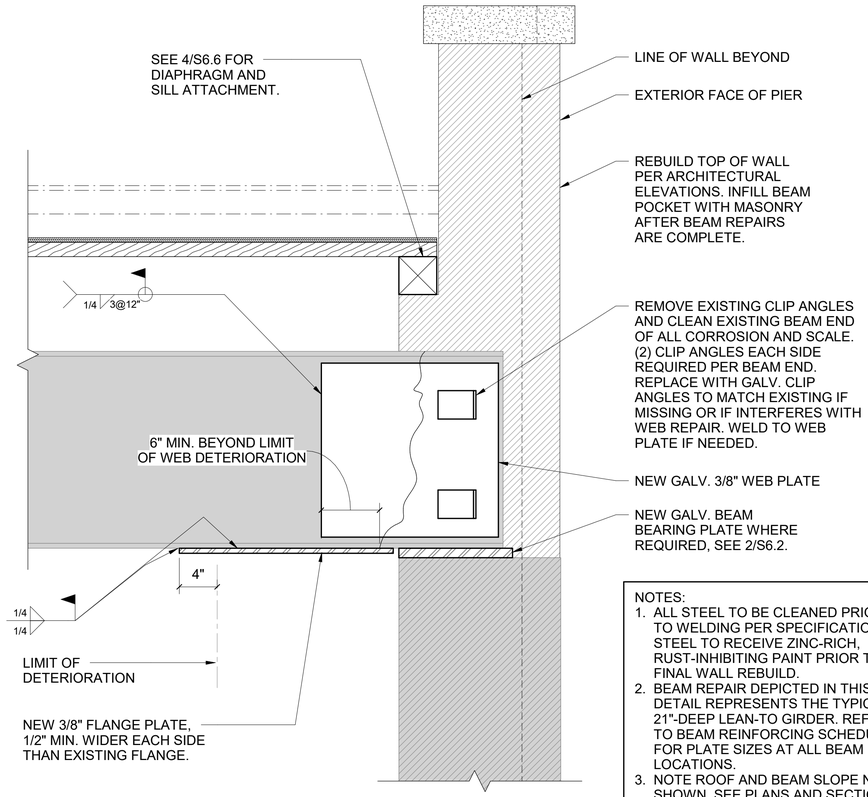


PROVIDE TEMPORARY SHORING AS REQUIRED

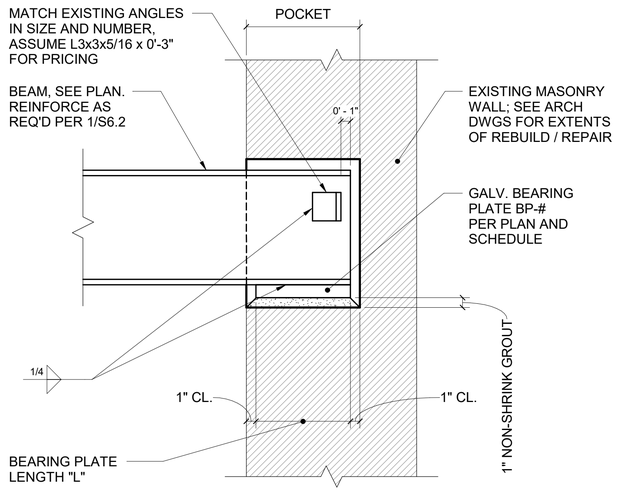
NOTES:
1. ALL STEEL TO BE CLEANED PRIOR TO WELDING PER SPECIFICATIONS. STEEL TO RECEIVE ZINC-RICH, RUST-INHIBITING PAINT PRIOR TO FINAL WALL REBUILD.
2. BEAM REPAIR DEPICTED IN THIS DETAIL REPRESENTS THE TYPICAL 21"-DEEP LEAN-TO GIRDER. REFER TO BEAM REINFORCING SCHEDULE FOR PLATE SIZES AT ALL BEAM LOCATIONS.
3. NOTE ROOF AND BEAM SLOPE NOT SHOWN, SEE PLANS AND SECTIONS.
4. ASSUME WEB PLATES AND NEW CLIP ANGLES WILL BE REQUIRED WHERE INDICATED ON PLAN. PROVIDE UNIT COST FOR ADD.

BEAM REINFORCING PLATE SCHEDULE
(ESTIMATES - FOR PRICING PURPOSES)

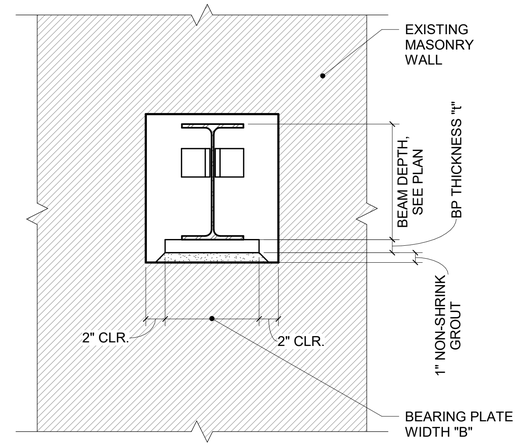
BEAM SIZE	WEB DOUBLER PLATE		FLANGE PLATE	
	L (IN)	H (IN)	L (IN)	B (IN)
21" CB 55#	24	19	24	9
16" B 45#	12	14	16	8.5
4" I 7.7#	12	3	16	4
C10 x 15.3#	12	8	16	4
C8 x 11.5#	12	6	16	3.5

1

1 S6.2 TYPICAL LEAN-TO BEAM FLANGE AND WEB REPAIR
SCALE: NTS



SECTION



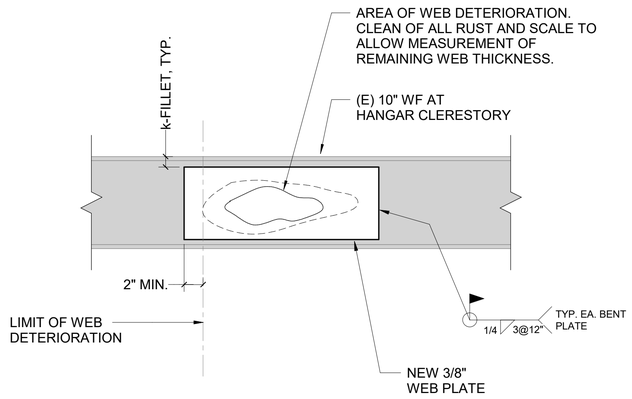
ELEVATION

BEAM BEARING PLATE SCHEDULE

BEAM SIZE	MARK	L (IN)	B (IN)	t (IN)	NOTES
21" CB 55#	BP-1	12	12	0.75	
16" B 45#	NO BP	-	-	-	BEARS DIRECTLY ON 2C LINTEL
4" I 7.7#	BP-3	6	6	0.50	
C10 x 15.3#	BP-4	8	6	0.50	
C8 x 11.5#	BP-5	8	6	0.50	

NOTES:
1. PROVIDE TEMPORARY SHORING TO UNDERSIDE OF BEAM NEAR BEARING END PRIOR TO REPLACING BEARING PLATE.
2. CUT POCKET IN WALL AS SHOWN.
3. FILL HOLLOWS IN WALL UNDER BEARING PLATE SOLID WITH MORTARED BRICK BEFORE PLACING PLATE. (MINIMUM 2 COURSES)
4. AFTER BEAM IS REPAIRED / REINFORCED AND BEARING PLATE IS REPLACED, BRICK UP POCKET SOLID. FULL MORTAR BEDDING IN ALL H & V BRICK JOINTS, TO POCKET FACES AND TO BEAM. (ALTERNATE: GROUT SOLID)
5. ASSUME ALL BEARING PLATES WILL NEED TO BE REPLACED WHERE INDICATED ON PLAN. PROVIDE UNIT COST FOR ADD.

2 S6.2 EXISTING BEAM BEARING REPAIR
SCALE: NTS



NOTES:
1. ALL STEEL TO BE CLEANED PRIOR TO WELDING PER SPECIFICATIONS. STEEL TO RECEIVE ZINC-RICH, RUST-INHIBITING PAINT PRIOR TO FINAL WALL REBUILD.
2. LOCATIONS NOTED ON PLAN INDICATE THOSE TO HAVE RUSTED THROUGH THE BEAM WEB AS OBSERVED FROM THE GROUND. ONCE THE STEEL HAS BEEN CLEANED AND OBSERVED FROM BOTH SIDES UP CLOSE, ADDITIONAL LOCATIONS WILL LIKELY BE IDENTIFIED. ASSUME (12) ADDITIONAL LOCATIONS IN ADDITION TO THOSE INDICATED ON PLAN. ASSUME A 36"-LONG WEB PLATE AT EACH LOCATION FOR PRICING AND PROVIDE A UNIT COST FOR ADDITIONAL LOCATIONS THAT MAY BE IDENTIFIED DURING CONSTRUCTION.

3 S6.2 TYPICAL HANGAR BEAM WEB REPAIR
SCALE: NTS

DESIGNED: JCT / EB / PA	SUB SHEET NO.	TITLE OF SHEET: STEEL BEAM REPAIR DETAILS	DRAWING NO. 646 190066
CADD: MAS	S6.2		PMIS/PKG NO. GATE 308504
TECH. REVIEW: NF			SHEET 111 OF 150
DATE: 12/19/2025		HANGARS 3 & 4 REHABILITATION	

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