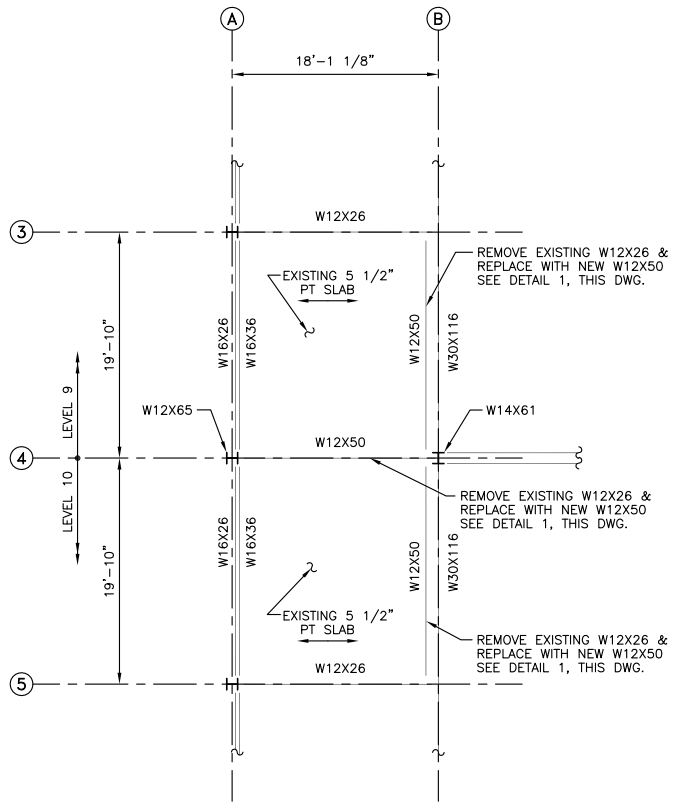
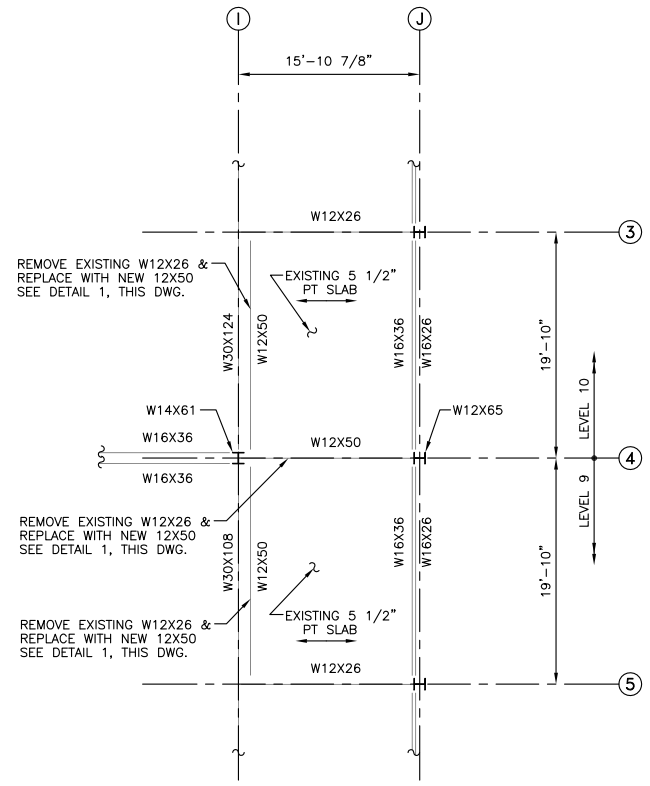


PARTIAL FRAMING PLAN

LEVEL 9/10

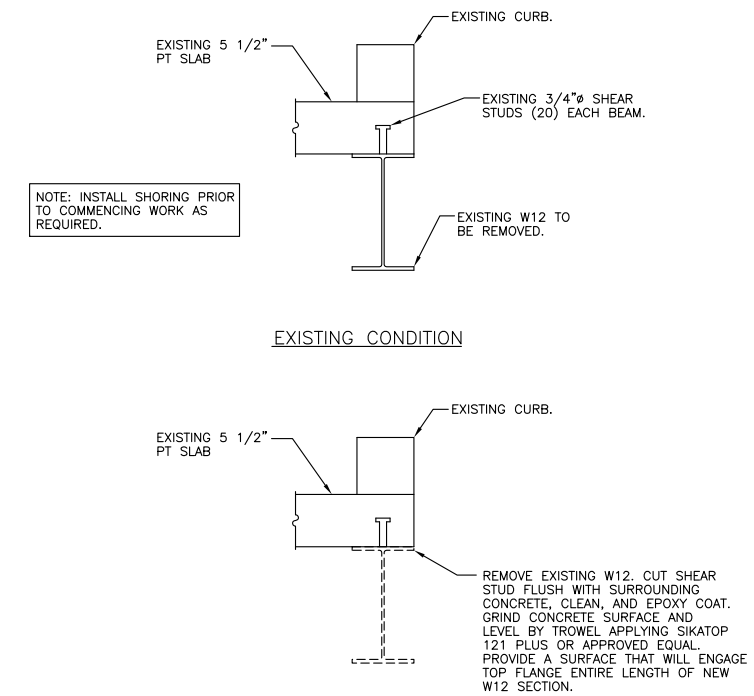
N



PARTIAL FRAMING PLAN

LEVEL 9/10

N



1 BEAM REPAIR DETAIL

GENERAL NOTES

1. COORDINATE ALL DRAWINGS FOR INFORMATION RELATED TO STRUCTURAL WORK. ANY CHNAGES TO THE BUILDING STRUCTURAL SYSTEM SHALL BE REDESIGNED BY DESMAN. ALL CHANGES MUST HAVE PRIOR AUTHORIZATION OF THE OWNER AND DESMAN.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS RELATED TO EXISTING CONSTRUCTION, EXISTING SERVICES, AND THE SITE BEFORE BEGINNING WORK.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND THE FINAL CLEARANCE OF ANY TEMPORARY NEEDLING, UNDERPINNING, SHORING, OR BRACING OF EXISTING STRUCTURES. SHORING SHALL DESIGNED BY A LICENSED PROFESSIONAL ENGINEER.
4. CONSTRUCTION LOADS SHALL NOT EXCEED DESIGN LIVE LOADS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL DESIGN REQUIRED TO SUPPORT CONSTRUCTION EQUIPMENT USED IN CONSTRUCTING THIS PROJECT. SHORING AND RESHORING IS THE RESPONSIBILITY OF THE CONTRACTOR.
5. IF THE FABRICATOR HAS BEEN AUTHORIZED TO USE THE ENGINEER'S (DESMAN) DRAWINGS AS ERECTION DRAWINGS, THE FABRICATOR MUST REMOVE ALL TITLE BLOCKS, PROFESSIONAL SEALS AND ANY OTHER REFERENCES TO THE ENGINEER (DESMAN) FROM THAT ERECTION DRAWING. THE FABRICATOR'S NAME AND TITLE SHALL BE PLACED ON THE ERECTION DRAWINGS.

STRUCTURAL STEEL

1. ALL STRUCTURAL STEEL WORK SHALL CONFORM TO THE REQUIREMENTS OF AISC SPECIFICATIONS (ASD) AND CODES OF STANDARD PRACTICE, AWS D1.1 (STRUCTURAL WELDING CODE – STEEL), AND THE THE CONTRACT DOCUMENTS.
2. THE LOCATION, SIZE AND CONDITION OF EXISTING STRUCTURES, EQUIPMENT, UTILITIES, SERVICES AND OTHER RELEVANT ENGINEERING FEATURES SHALL BE VERIFIED PRIOR TO FABRICATION OR ERECTION TO DETERMINE CLEARANCES, DIMENSIONS AND FABRICATION OR ERECTION PROCEDURES. ADEQUATE BRACING AND TEMPORARY SUPPORTS FOR THE STABILITY OF ALL EXISTING RELEVANT FEATURES SHALL BE PROVIDED BY THE CONTRACTOR.
3. STRUCTURAL STEEL: ASTM A36; SHAPES (EXCEPT WIDE FLANGE), PLATES, BARS, AND ROD
   ASTM A992, GRADE 50, WIDE FLANGE SHAPES
4. BOLTS: 3/4" DIAMETER MINIMUM, UNLESS NOTED OTHERWISE
   ASTM A325, TYPE 1, FOR ALL BEAM AND COLUMN CONNECTIONS. CONNECTIONS DESIGNED AS BEARING TYPE, WITH THREADS INCLUDED IN THE SHEAR PLANE.
   ASTM F1554 GRADE 36 FOR ALL ANCHOR RODS.
5. WELDING SHALL CONFORM WITH AWS E–70 ELECTRODES, MINIMUM.
6. CONNECTIONS: WELD OR BOLT CONNECTIONS, AS INDICATED.
   A. CONNECTIONS NOT DETAILED ON THE DRAWINGS SHALL CONFORM TO THE REQUIREMENTS OF THE CITED AISC SPECIFICATIONS.
   B. WHERE THE REACTION VALUES OF BEAMS AND GIRDERS ARE NOT SHOWN ON THE DRAWINGS, THE CONNECTIONS SHALL BE DESIGNED TO SUPPORT THE END REACTION DERIVED FROM THE ALLOWABLE UNIFORM LOAD TABLE IN PART 2, NINTH EDITION, OF THE AISC ASD MANUAL OF STEEL CONSTRUCTION FOR THE GIVEN MEMBER SIZE, SPAN, AND YIELD STRENGTH.
   C. THE MINIMUM LENGTH OF CONNECTION ANGLES SHALL BE EQUAL TO ONE–HALF THE DEPTH OF THE MEMBER TO BE SUPPORTED
   D. ONE–SIDED CONNECTIONS WILL NOT BE PERMITTED, UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS.
   E. THE MINIMUM NUMBER OF BOLTS IN BOLTED CONNECTIONS SHALL BE 2.
   F. DO NOT FINAL WELD OR BOLT UNTIL MEMBERS ARE IN PROPER ALIGNMENT.
7. ALL NEW STEEL SHALL SHOP PAINTED PER THE FOLLOWING:
   PRIMER (3.0–5.0 mils dft): MACROPOXY 646 BY SHERWIN WILLIAMS
   HIGH BUILD EPOXY (4.0–6.0 mils dft): MACROPOXY 646 BY SHERWIN WILLIAMS
   FINISH (3.0–5.0 mils dft): ACROLON 215 HS BY SHERWIN WILLIAMS

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DESMAN Design Management

STRUCTURAL STEEL FRAMING REPAIRS
OF THE
WOOD–ALLIES PARKING GARAGE
PITTSBURGH, PA

ISSUE		
NO.	DESCRIPTION	DATE

DRAWING TITLE:

DRAWING NO.
SK–01

SCALE: 1/8"=1'–0"
DATE: 05/05/16
PROJECT NO : 51–14126

DES.	DRWN.	CK'D.
NAC	MWR	MWR