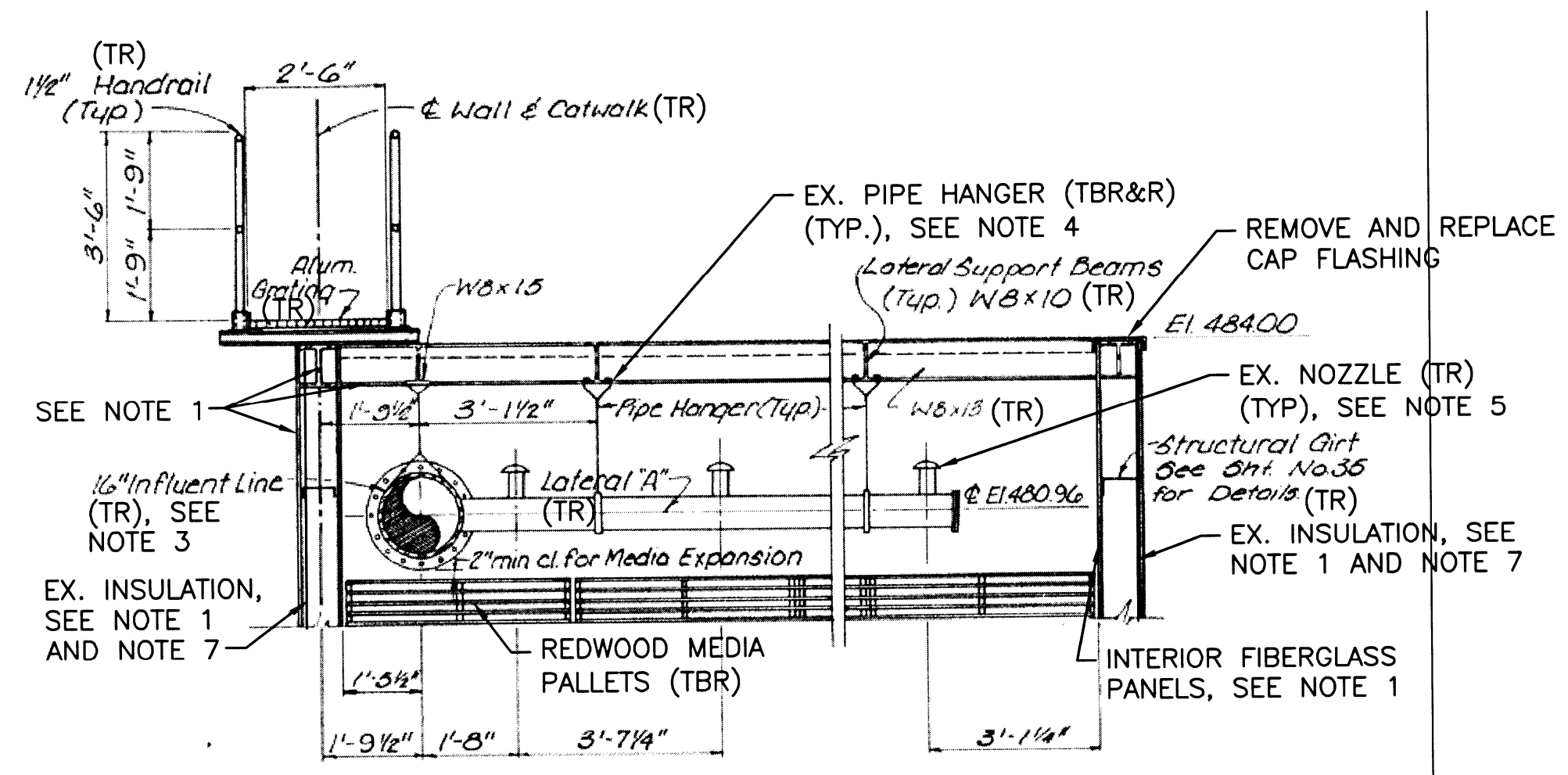
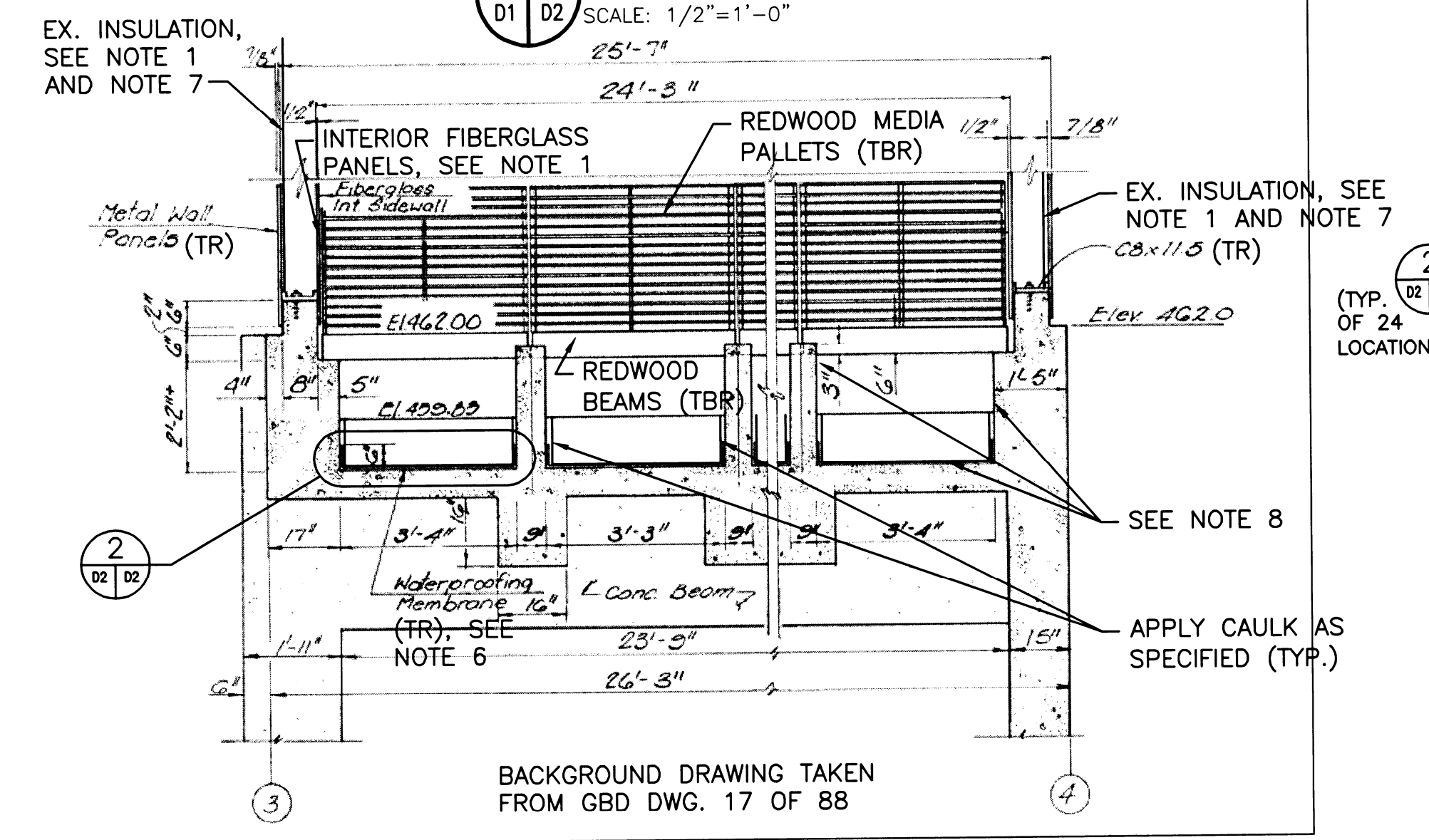


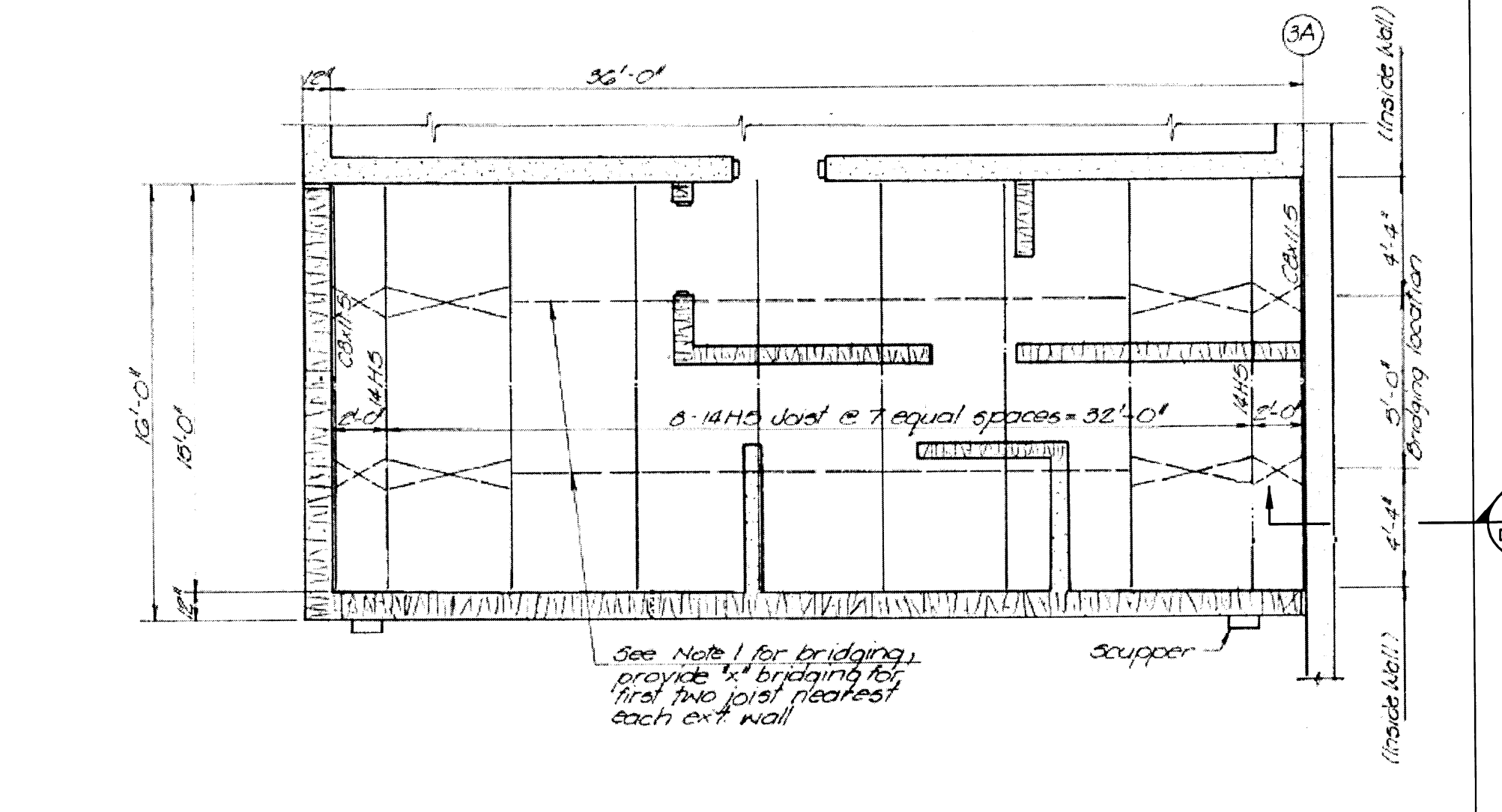
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 CTB: Hs_fullsize.ctb
 PAGE SETUP NAME: 1/14/2008 7:51:02 AM
 OPERATOR: RUSKINE
 PLOT DATE: 1/14/2008 7:51:02 AM



BACKGROUND DRAWING TAKEN FROM GBD DWG. 17 OF 88
A SECTION
 D1 D2 SCALE: 1/2"=1'-0"

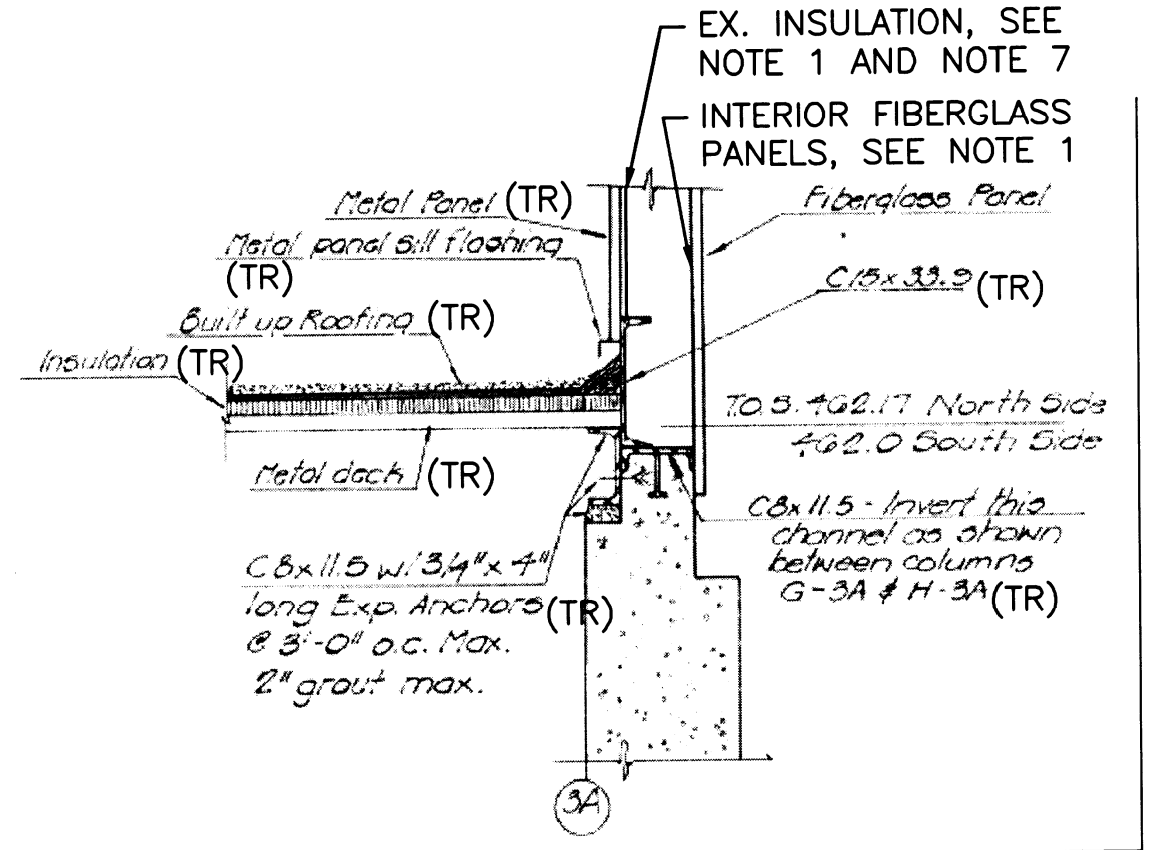


BACKGROUND DRAWING TAKEN FROM GBD DWG. 17 OF 88
B SECTION
 D1 D2 SCALE: 1/2"=1'-0"

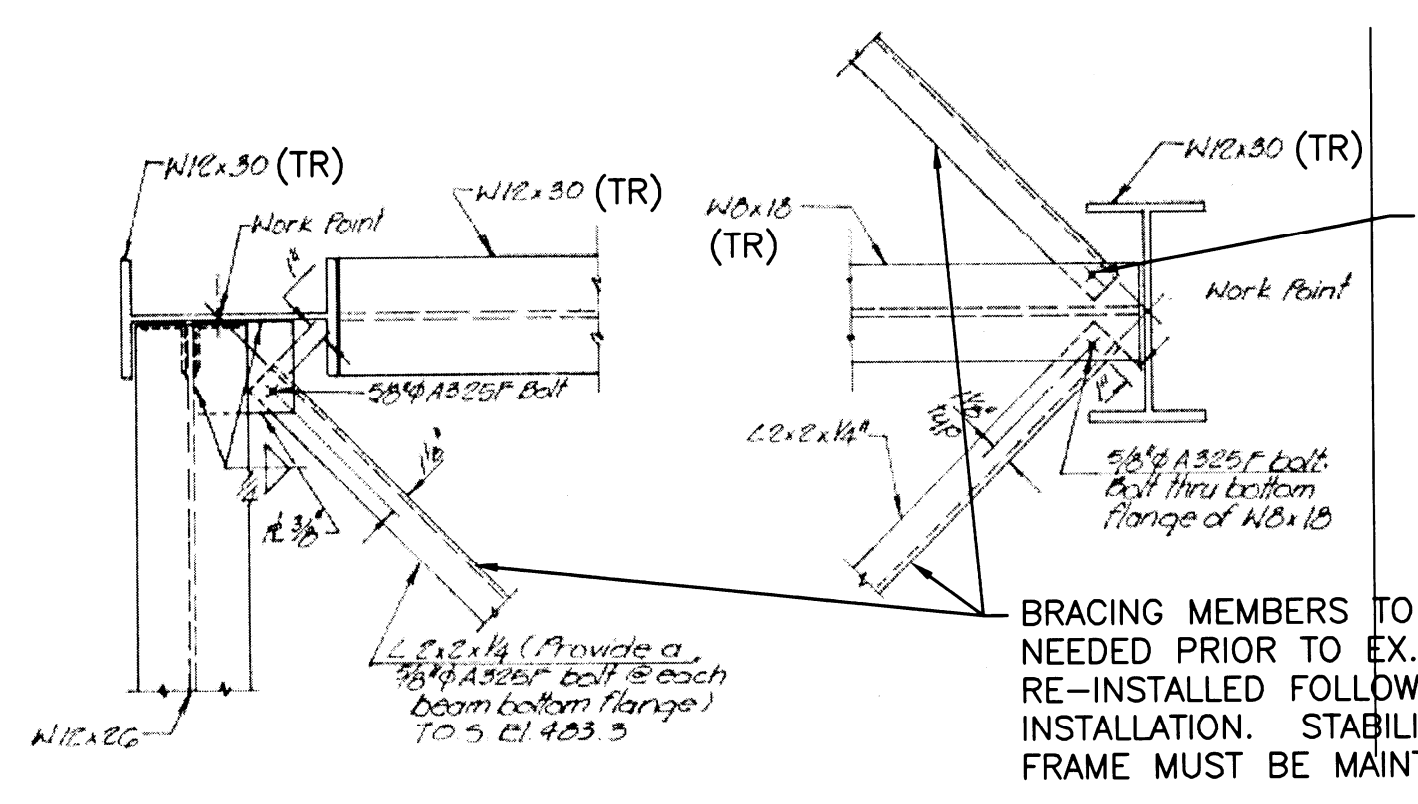


BACKGROUND DRAWING TAKEN FROM GBD DWG. 27 OF 88
C SECTION
 D1 D2 SCALE: 1/4"=1'-0"

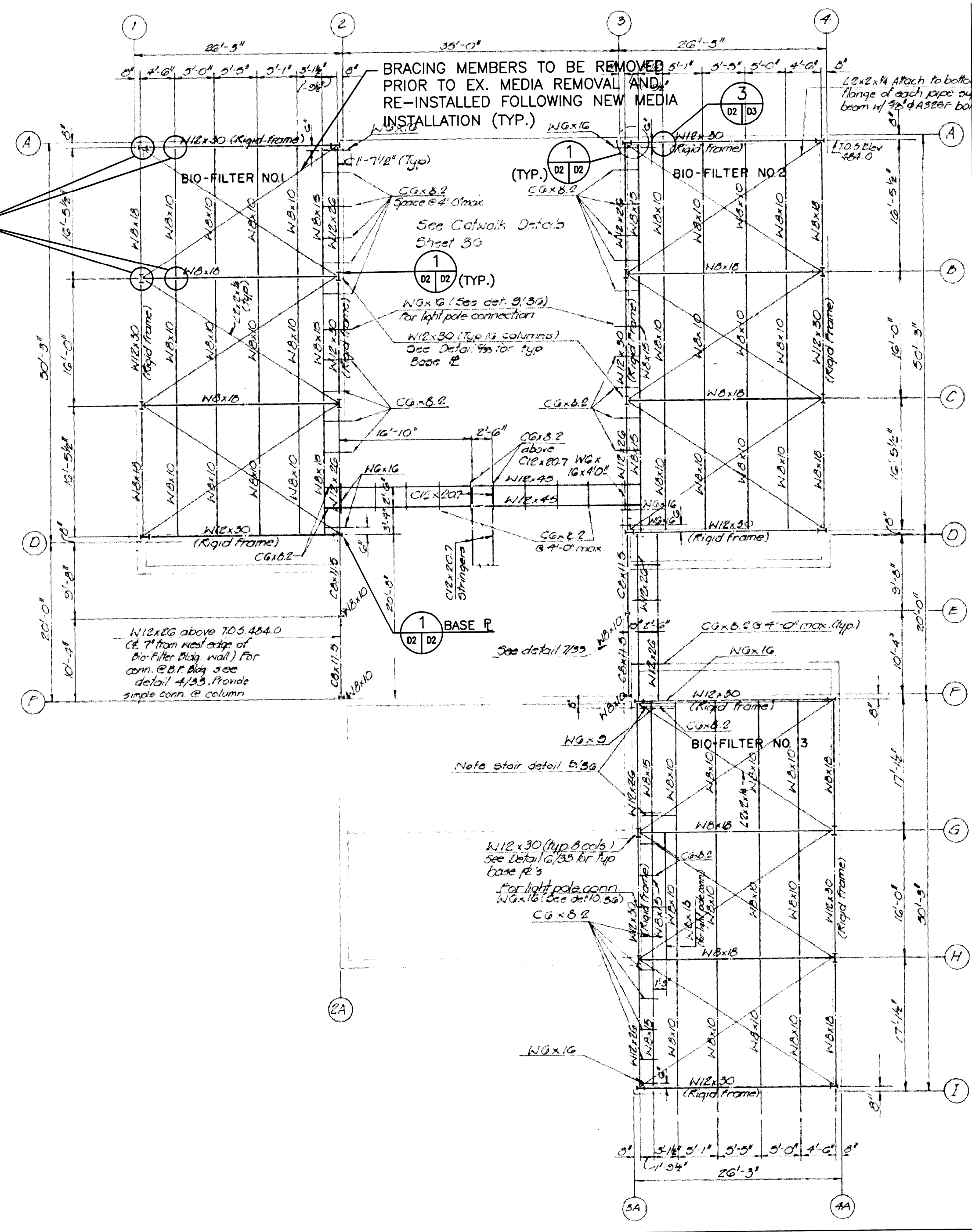
OPERATING FLOOR-ROOF FRAMING PLAN
 SCALE: 1/4"=1'-0"



BACKGROUND DRAWING TAKEN FROM DETAIL 4/30, GBD DWG. 30 OF 88
C SECTION
 D2 D2 SCALE: 1/2"=1'-0"

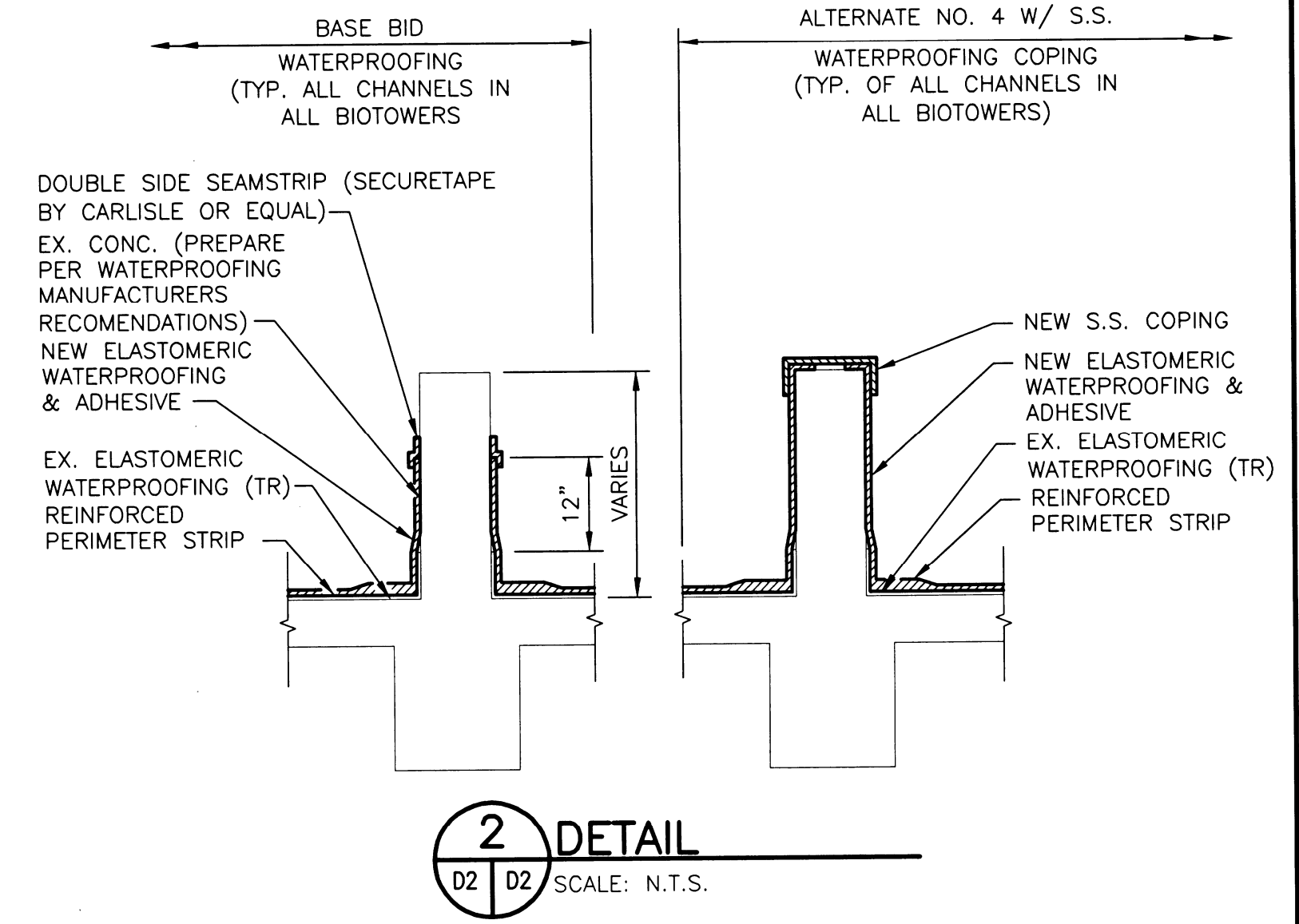


BACKGROUND DRAWING TAKEN FROM DETAIL 2/33, GBD DWG. 33 OF 88
1 DETAIL
 D2 D2 SCALE: 1/2"=1'-0"



BACKGROUND DRAWING TAKEN FROM GBD DWG. 33 OF 88
BIOTOWER FRAMING PLAN
 SCALE: 1/8"=1'-0"

- NOTES:
- ALL OF THE EXISTING INTERIOR FRP PANELS WILL BE REMOVED FOR INSPECTION ON THE FIRST BIOTOWER INSPECTED. BASED ON FINDINGS OF OBSERVATION BY ENGINEER FOLLOWING MEDIA REMOVAL, FRP PANELS MAY BE REPLACED, STRUCTURAL STEEL MAY BE PREPARED AND PAINTED, AND INSULATION MAY BE REPLACED AS UNIT PRICE WORK. THE BID FORM PROVIDES INFORMATION ON THE ASSUMPTIONS TO BE UTILIZED IN PREPARATION OF BIDS. ALL PANEL FASTENERS THAT ARE REMOVED SHALL BE REPLACED WITH SIMILAR STAINLESS STEEL FASTENERS WITH NEOPRENE WASHERS AND SEALS.
 - STRUCTURAL STEEL ABOVE MEDIA SHALL BE PREPARED AND PAINTED, IN ACCORDANCE WITH SPECIFICATION SECTION 09900, COATING SYSTEM 4, AND AS DIRECTED BY OWNER. ASSUMPTIONS CONCERNING THE EXTENT OF PAINTING REQUIRED FOR BIDDING PURPOSES ARE DESCRIBED IN THE BID FORM.
 - EXISTING STEEL PIPING MANIFOLD, FITTINGS AND APPURTENANCES SHALL BE PREPARED AND PAINTED, IN ACCORDANCE WITH SPECIFICATION SECTION 09900, COATING SYSTEM 4, AND AS DIRECTED BY OWNER. PAINTING SHALL BEGIN AT FLANGE INTERFACE BETWEEN 16" DIP AND 16" STEEL PIPE, PVC LATERALS ARE NOT TO BE PAINTED.
 - REMOVE AND DISPOSE OF ALL EXISTING PIPE HANGERS. REPLACE WITH STAINLESS STEEL HANGERS, AS SPECIFIED.
 - ALL NOZZLES SHALL REMAIN. OWNER AND THEIR OPERATIONS SHALL CLEAN AND REPLACE NOZZLES AS REQUIRED.
 - ELASTOMERIC SHEET WATERPROOFING OVERLAY SHALL BE INSTALLED IN ACCORDANCE WITH SPECIFICATION SECTION 07133, AND MANUFACTURER'S INSTRUCTIONS.
 - ORIGINAL DRAWINGS INDICATE INSULATION EXISTS IN THE VICINITY OF GARAGE ONLY. BEST AVAILABLE INFORMATION INDICATES THAT INSULATION WAS INSTALLED AROUND PERIMETER OF BIOTOWERS INSIDE OF THE EXTERIOR METAL PANELS.
 - CONCRETE REHABILITATION SHALL BE COMPLETED IN ACCORDANCE WITH SPECIFICATION 03730, AS DETAILED ON SHEET S1, AND AS DIRECTED BY OWNER. ASSUMPTIONS CONCERNING THE EXTENT OF THE REHABILITATION WORK REQUIRED FOR BIDDING PURPOSES ARE DESCRIBED IN THE BID FORM.



2 DETAIL
 D2 D2 SCALE: N.T.S.

NOTE:
 THE BASE BID PRICE SHALL BE BASED ON THE USE OF WATERPROOFING THAT EXTENDS 12" UP ON EACH WALL. THE CONTRACTOR SHALL PROVIDE PRICING IN "ALTERNATE NO. 4" TO EXTEND WATERPROOFING UP TO AND BEYOND THE TOP OF EACH WALL AND INSTALL S.S. COPING "CAP" ON THE TOP OF EACH WALL, AS SHOWN.

HORNER & SHIFRIN, INC. ENGINEERS	
CITY OF O'FALLON, MISSOURI BIOTOWER COMPLEX MEDIA REPLACEMENT CONTRACT NO. 07-006	
DEMOLITION AND REHABILITATION PLAN, SECTIONS AND DETAILS	
DATE:	1/14/2008
DESIGNED:	JTL
DRAWN:	JDG
CHECKED:	JEM
JOB NO. REF. NO.	07.083
SHEET 4 OF 12	
D2	