FIELD NOTES

HALE BOGGS MEMORIAL BRIDGE
(MAIN CABLE STAYED STRUCTURE
AND TOWER SUPPORTS)

I-310
OVER
MISSISSIPPI RIVER

ST. CHARLES PARISH
DISTRICT 2
LULING- DESTREHAN, LA

PERFORMED FOR

LOUISIANA'S ON THE MOVE... DOTD BUILDS THE WAY

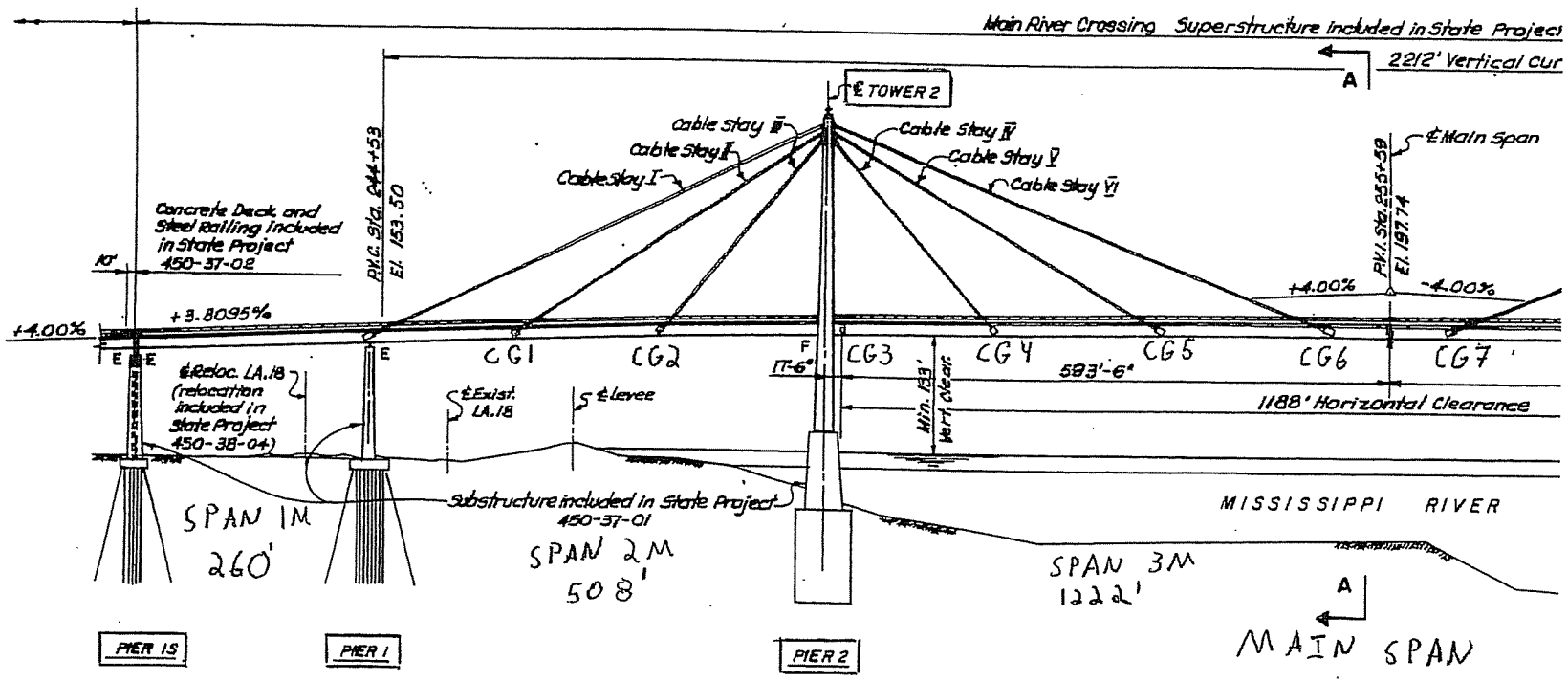
CTL GROUP

INSPECTION APRIL 2008

TABLE OF CONTENTS

COVER	1
TOC	2
BRIDGE ELEVATION	3-4
TOP OF DECK	5-16
EAST BOX GIRDER	17-64
EAST WIND FAIRING (INTERIOR)	65-71
WEST BOX GIRDER	72-115
WEST WIND FAIRING (INTERIOR)	116-122
CROSS GIRDERS	123-136
PIN & HANGERS	137-142
EXPANSION JOINT MEASUREMENTS	143-145
TOWER 2	146-229
TOWER 3	230-294
PHOTO LOGS	295-333

← Luling



333 2

CTLGroup
NOTES BY:

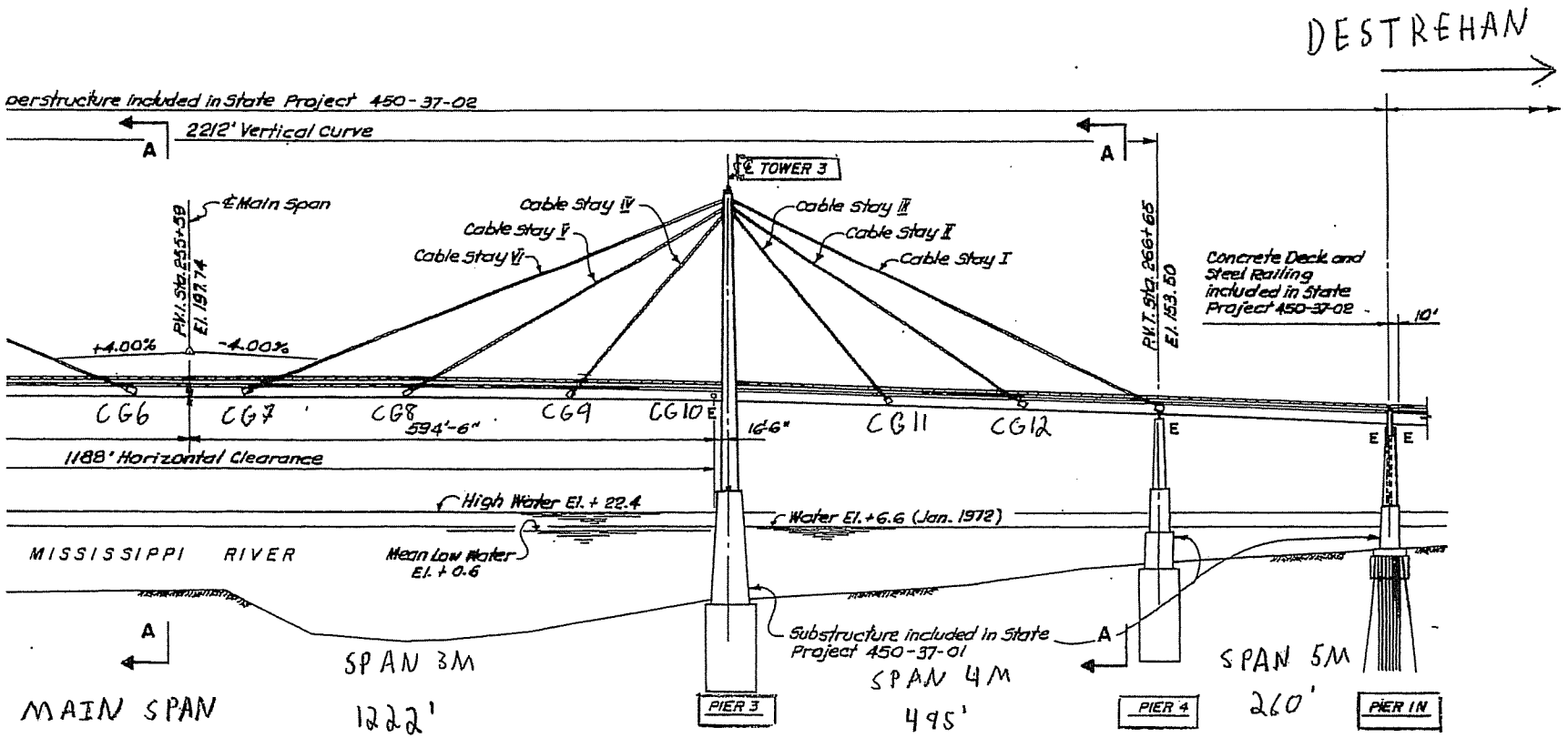
Bridge No: Luling Bridge
City/Town: Luling, LA

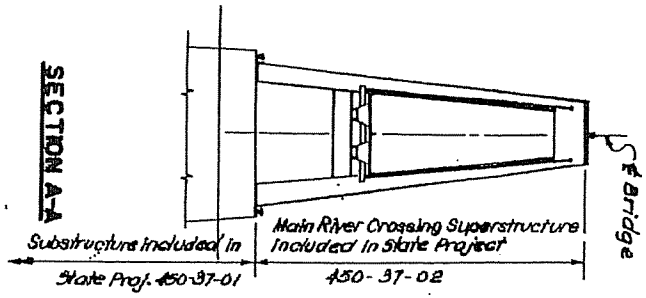
Train Systems

ELEVATION

JOB: P71007001 9

CREW: NB DATE: 4-11-08 SHEET: 1 of 2 of





Bridge No: Luling Bridge
City/Town: Luling, LA

CTLGroup
NOTES BY:

TranSystems

ELEVATION

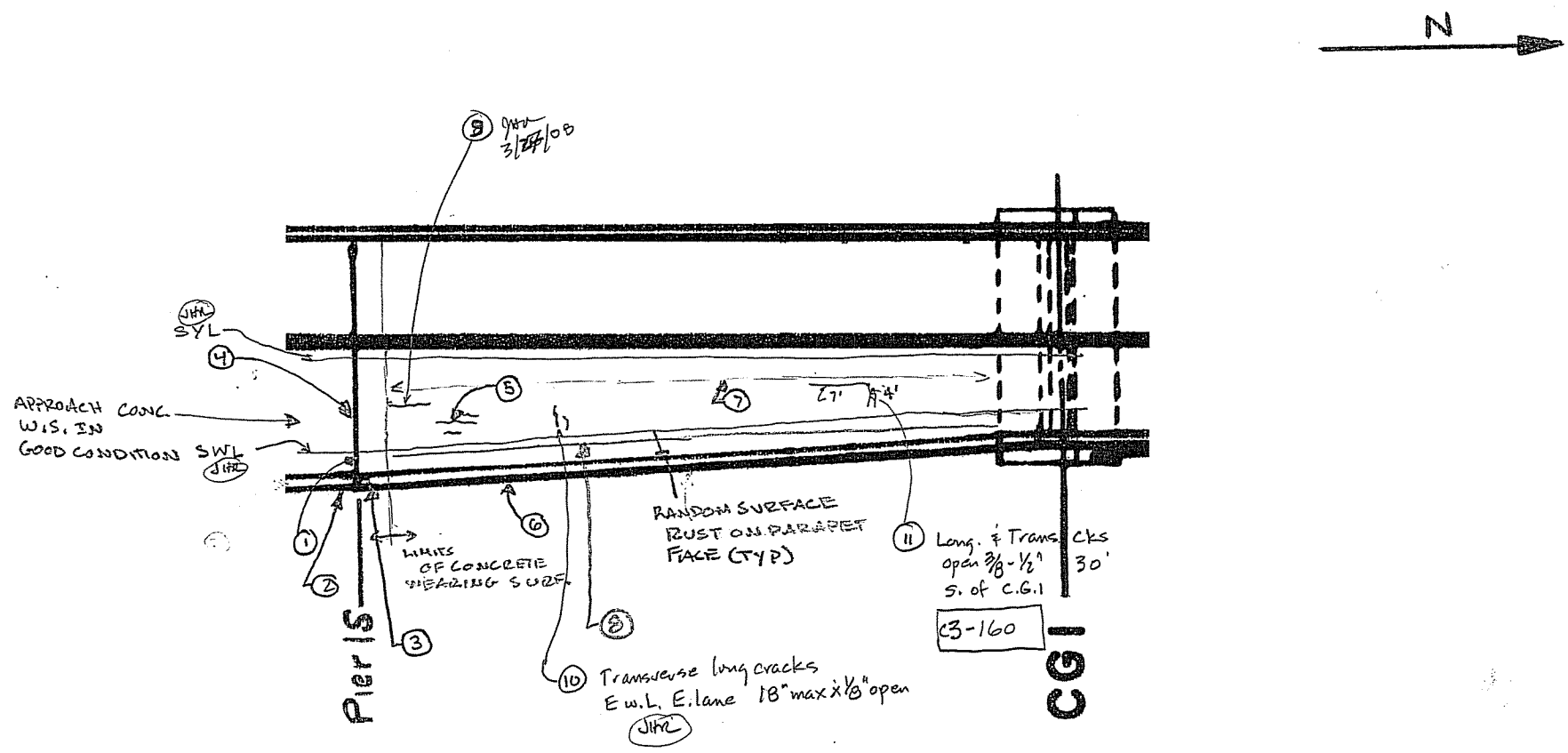
JOB: P710070019

CREW: NB

DATE: 4-11-08

SHEET: 2 of 2 of

4
333

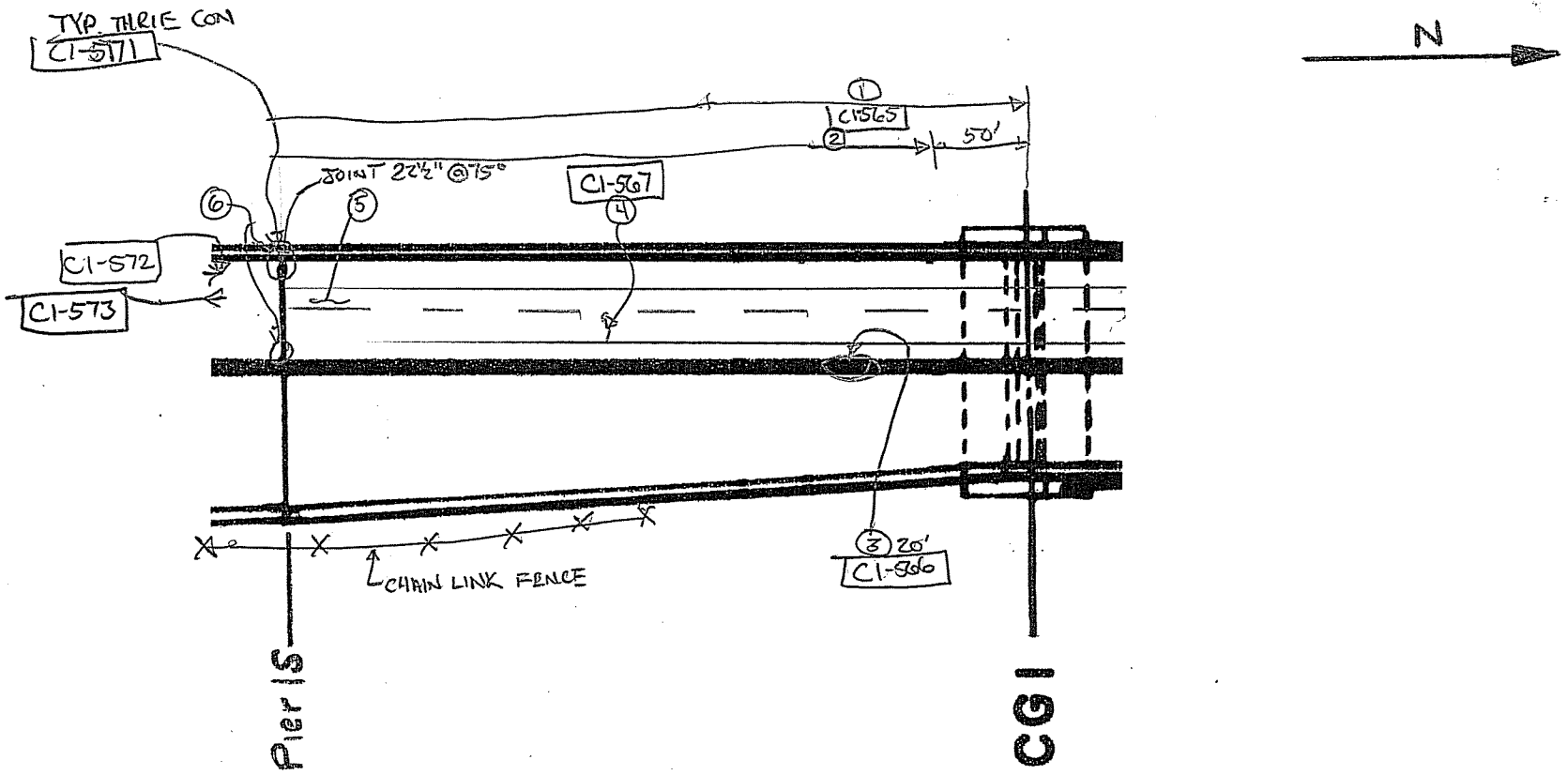


Additional Notes taken by JHR on 3/27/08

1. HEAVY SAND & DEBRIS X FULL WIDTH OF JOINT C3-150/152
2. MISSING NUT ON RAILING ANCHOR 10' SOUTH OF JOINT C3-153
3. RAILING PIECE w/ 0/4 BOLTS / SPALL ON PARAPET 11" L x 8" W x 2" D C3-154/55
4. NO NOTICABLE SETTLEMENT AT BRIDGE TRANSITION
5. 3 CRACKS : 19", 55", 21" X UP TO 3/8" WIDE C3-157 (≈ 22'-6" W of br. rail JHR 3/27/08)
6. MISSING NUTS ON RAILING ANCHOR (4 missing JHR 3/27/08)
7. MINOR RUTTING / HAIRLINE long. JHR CRACKS IN WHEEL PATH
8. UP TO 1/2" LIP AT ROADWAY - SHOULDER ASPHALT CHANGE
9. ≈6'- long long ck starting at jt. conc. and going N. ≈ 1' E. of lane line. C3-159

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
TOP OF DECK		
JOB: P7100700019		
CREW:	DATE:	SHEET:
CRS	3/20/08	1 of 1
JHR	3/27/08	1 of 2

5
333



(1) LONG. CRACK BTWN SHOULDER PVT & LANE PVT (TYP. ~10'L WITH 3' SPACE) C1-565

(2) TYP. 1' CR TO RIGHT OF EDGE, SPACED EVERY 15'

(3) IMPACT/RUBBING ALONG BARRIER

(4) TRANSVERSE CR.

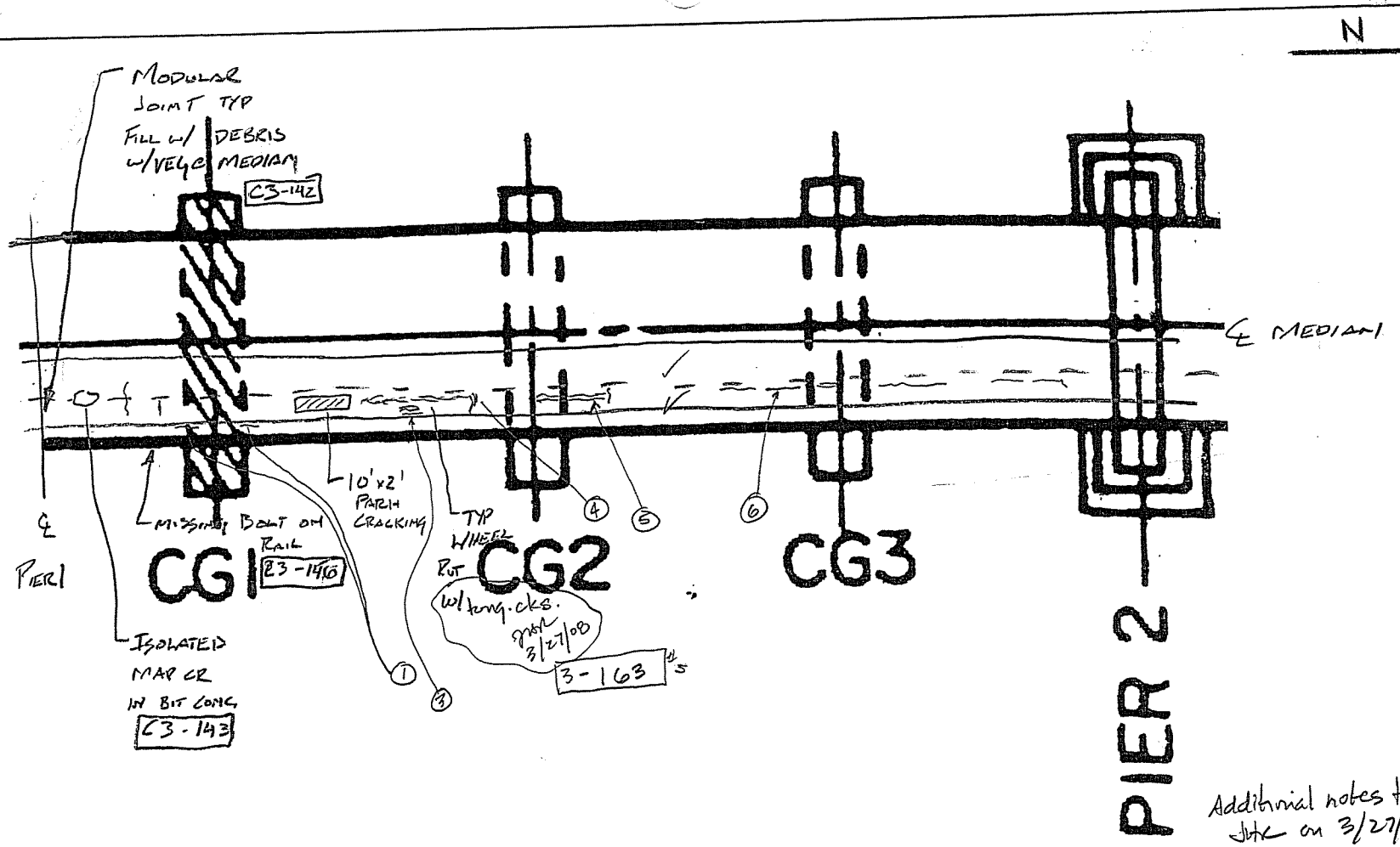
(5) LONG. CRACKS 3'-4' CR IN SERIES

(6) HVY DEBRIS IN E.J. SHOULDER C1-569/570

(7) MODULAR E.J. IN LEFT LANE MOVES TO THE SOUTH C1-568

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
TOP OF DECK	
JOB: P7100700019	

CREW:	DATE:	SHEET:
BKC, JHR	4/2/08	2 of 4
		of



Additional notes taken by JHK on 3/27/08

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems

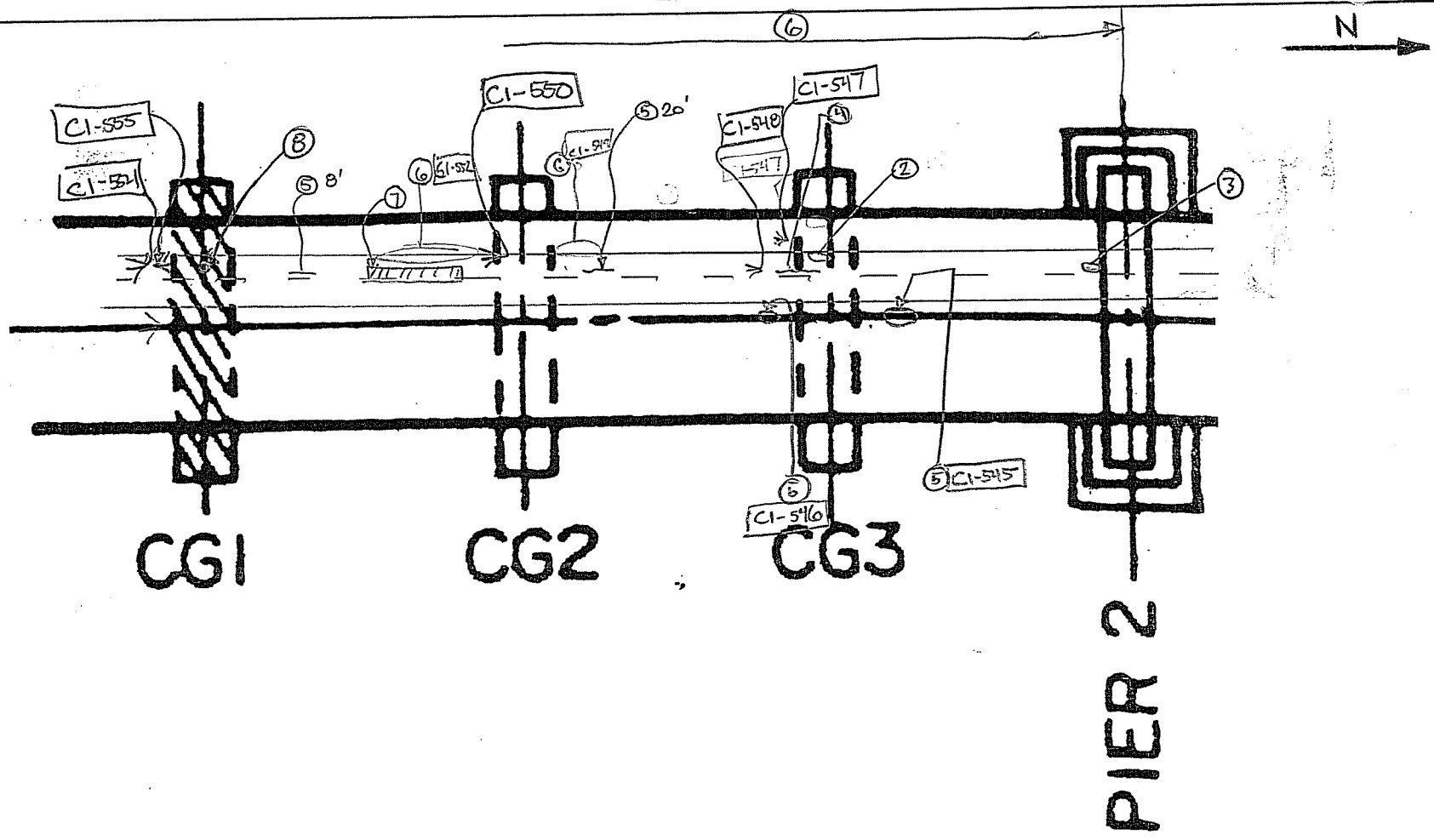
TOP OF DECK

JOB: P7100700019

CREW:	DATE:	SHEET:
WRW	3/20/08	1 of 1
JHK	3/27/08	2 of 2

1. short long cks on SWL just S of and at CG. #1 JHK 3/27/08 3-161
2. ≈ 60'N of CG#1 req. short long. cks. start and go to Pier 2 along SWL 3-162 3-164 #6
3. 6' long long cks E. w. Line E. Lane NB ≈ 45's CG#2
4. transverse long cks ≈ 30' So. CG#2 from Lane lines east ≈ 4'
5. long cks from CG#2 N ≈ 22' ending at short 4' long transverse cks; all in west W.L. E. Lane NB
6. long cks in W. W. L. E. Lane; ll cks are 6" to 8" apart.

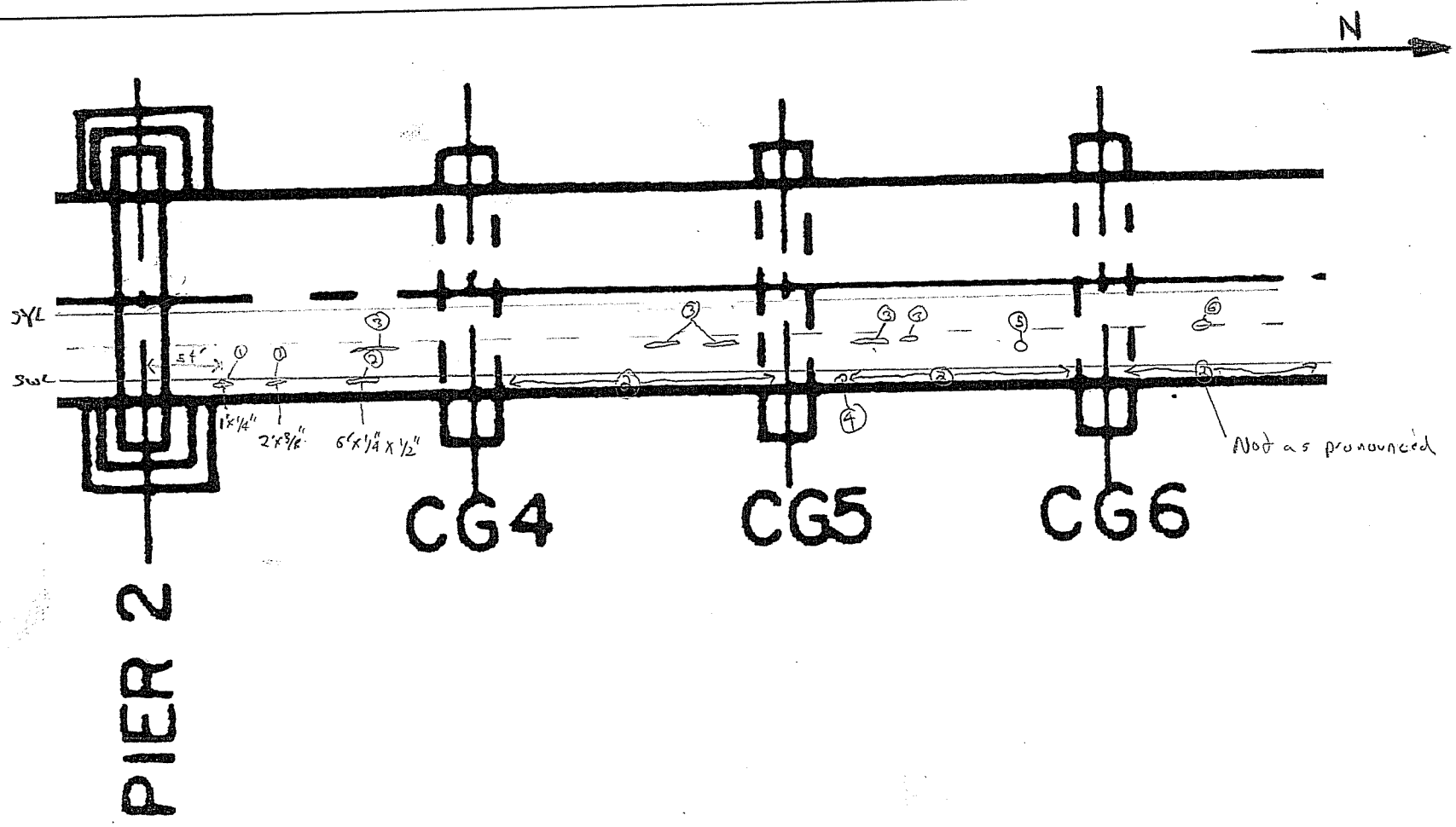
7
333



(1) TYP. LONG. CRS SPACED @ 15' APROX 1' LONG 1/8" WIDE (100. INSTANCES 1-2' LONG)
(2) LONG CRACK. ALONG RIGHT EDGE LINE 10'L x 1/4" WIDE C1-543
(3) 4' LONG CR. IN LEFT WHEEL LINE
(4) LONG CR. LEFT WHEEL LINE 20' x 1/16" C1-544
(5) VEHICLE RUBBING/IMPACT ALONG RAILING
(5) LONG CR. LEFT WHEEL LINE _'L
(6) TYP. CO. AT EDGE OF SHOULDER PVMT/LANE PVT APPROX 10'L W/3-4' SPACING C1-549 C1-552
(7) 55'L x 2'W PATCH C1-551
(8) POT. PVT SAMPLE LOC. C1-553

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOP OF DECK		
JOB: P7100700019		
CREW:	DATE:	SHEET:
BKC, JHR	4/12/08	1 of 4
		of

333



C1-417 Typical looking north C1-420 Typical, median barrier & deck looking N.

(1) Long. Cracking in pavement (length x width) typical. Follow note #2.

(2) Long. cracking in pave. F. SWL 2" from SWL, spaced approx. 15'-6" apart looking S. Typical C1-418

(3) Long. cracking in pavement, east lane, west wheel line, 2 cracks 6" apart 8'-10' L Typical C1-419

(4) 1st drain N. CG5, plugged

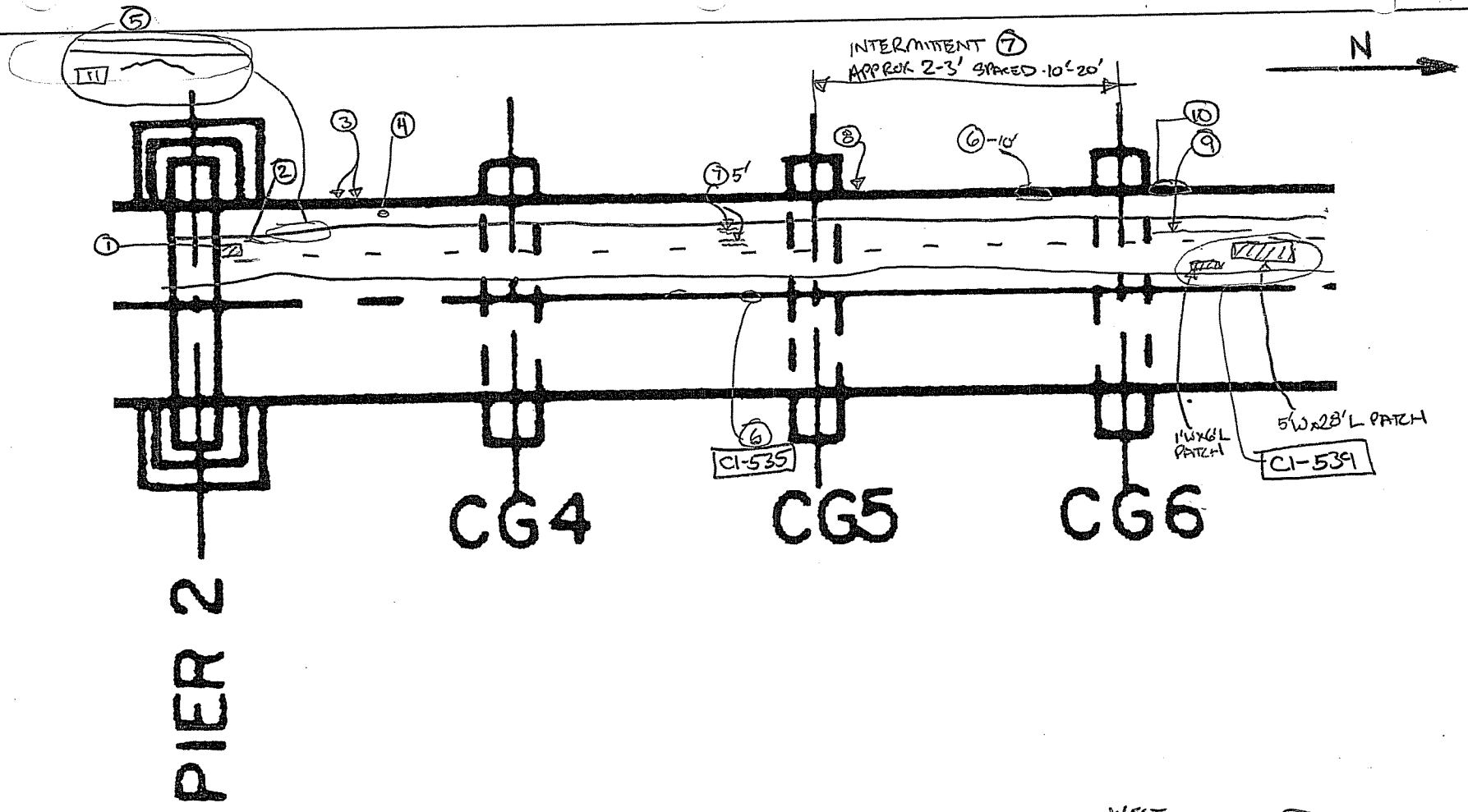
(5) East lane, middle of lane, gouge 4"x 1½"x 3/4"

(6) 6 lane reflectors missing CG6 - CG7

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
TOP OF DECK	
JOB: P7100700019	

CREW:	DATE:	SHEET:
Jtr SGB	3/26/08	1 of 2
		of

4
333



333 01

TYP. WEST RAILING COND. C1-536

(1) 4'W x 9'L PATCH C1-531

(2) 3' LONG. CR 1/8" WIDE, BY EDGELINE

(3) MISSING NUT ON [illegible] ANCHOR

(4) CLOGGED SCUPPER C1-532

(5) TYP. 1/4" WIDE x 2'L CR. TO W. OF EDGE LINE SPACED AT 15' INTERVALS C1-534

(6) MINOR SCRAPING / RUBBING FROM IMPACT

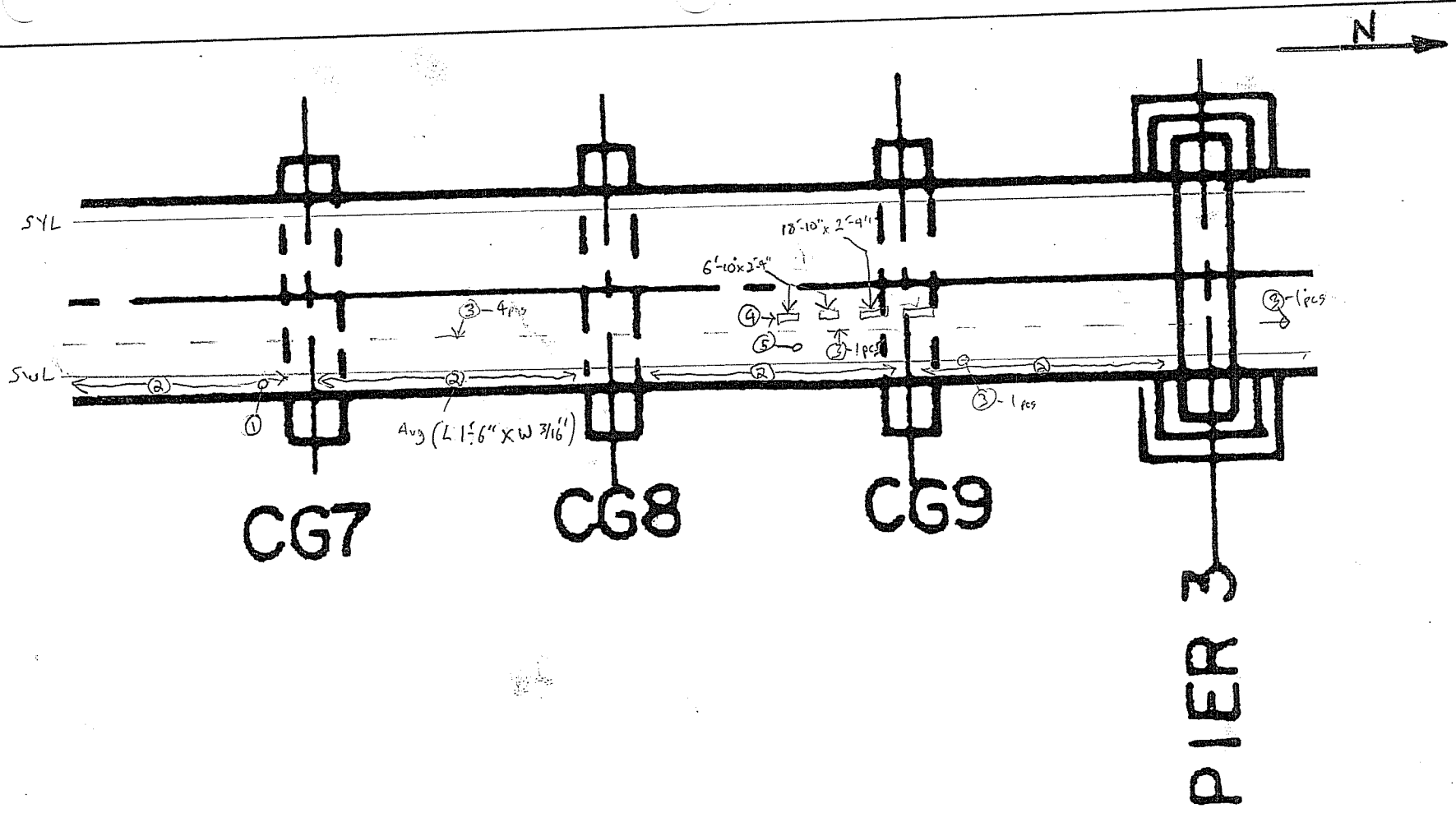
(7) LONG. MAP CRACKING IN WHEEL LINES ~L'

(8) BENT 8 ON WIND FERRING 8'L x 3" BENT C1-537

(9) LONG. CR. IN RTLANE 2' FROM LANE LINE, RUNS ~50' C1-538

(10) BENT [illegible] ND FERRING, 1½" UP OVER 2'

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOP OF DECK		
JOB: P7100700019		
CREW:	DATE:	SHEET:
BR SHR	4/1/08	3 of 4
		of



① 1st Drain opening south of CG7 in plugged.

② Lon. cracking (pave.) approx. 2" E. SWL, spaced approx. 15'-6" apart [C1-437]

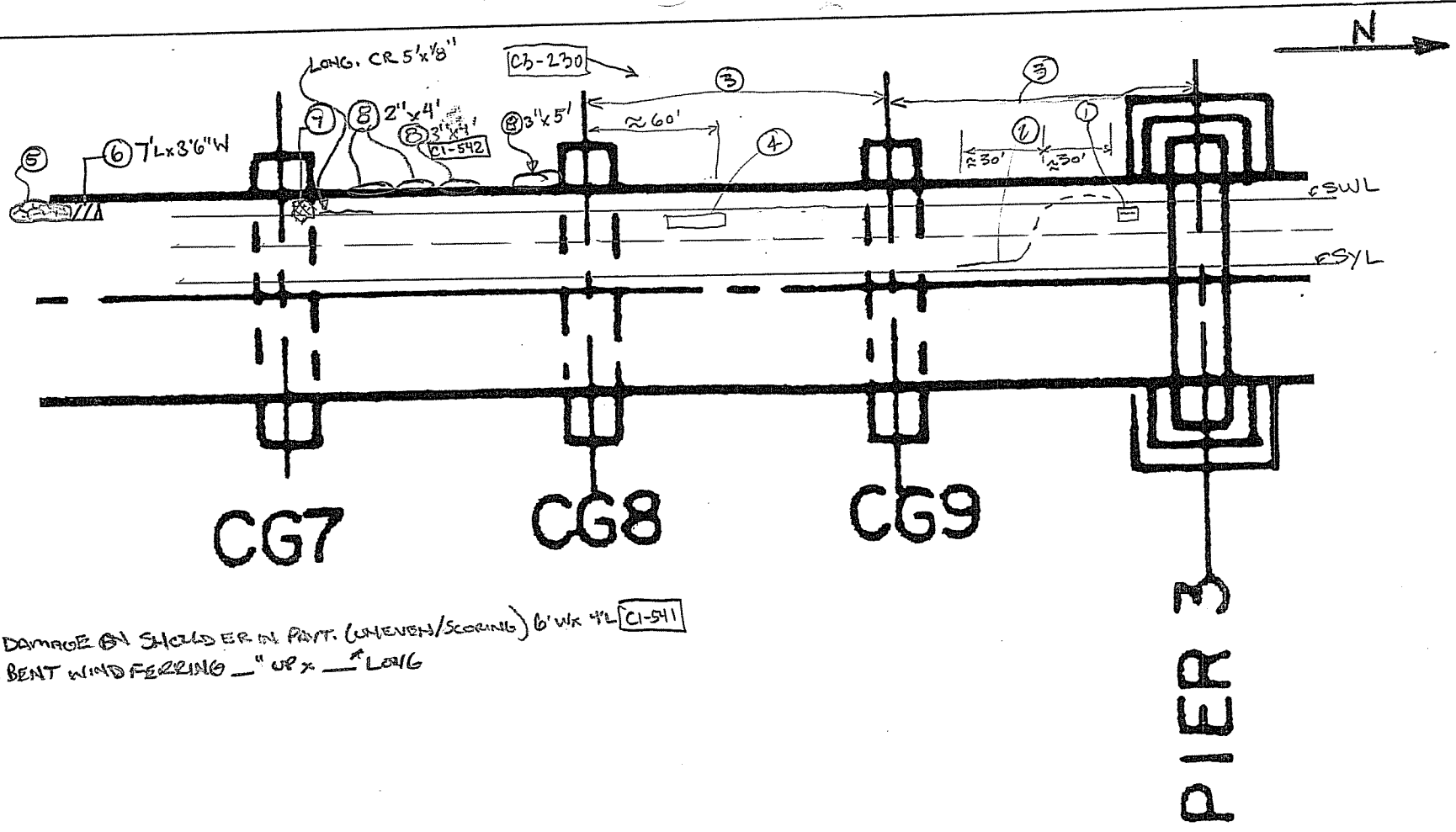
③ Ln reflector damaged between lanes

④ West Ln. pavement removal and replacement locations avg L 6'-10" x W 2'-4" [C1-439]

⑤ East Ln pavement popout (1" x 3½" x ¾") [C1-442] 25' S. CG9

⑥ Lon. cracking in pavement E. Ln. W. wheel line, 2 cracks running 23', 6" apart [C1-445]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
TOP OF DECK	
JOB: P7100700019	
CREW: SGB, JHR	DATE: 3/27/08
	SHEET: 1 of 3

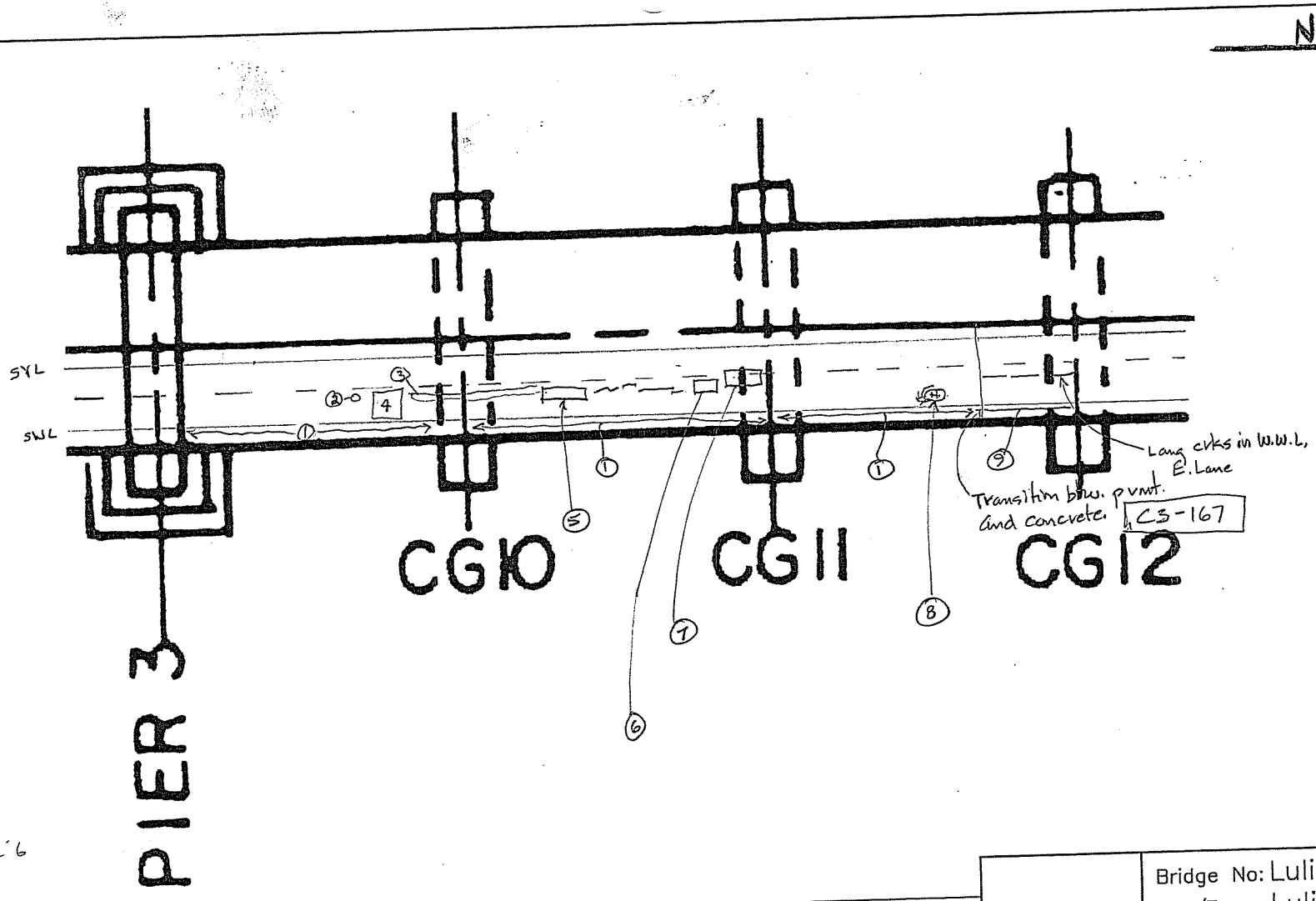


⑦ DAMAGE ON SHOULDER IN PAVT. (UNEVEN/SCORING) 6' Wx 4'L C1-541
⑧ BENT WIND FERRING __" UP x __" LONG

12
333

① 2'-8" w x 5' long patch w/ long. crks in W.W.L. W. Lane. C3-224
② transverse and long. gouge in E.W.L. West lane through East lane and along E.W.L. E. Lane C3-225
approximately 30' long. 1/2" deep some gouges also in breakdown
lane for another 30' ft. C3-226
③ intermittant long crks at SWL (EDGE LINE) on ≈ 15' c's. <1' in length C3-227
④ 3½' wide x 20' long patch in W.W.L. West Lane w/ long cracks C3-228/229
⑤ MAP CRACKING ALONG SHOULDER FOR 20' L C1-540
⑥ PATCH [illegible]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
TOP OF DECK		
JOB: P7100700019		
CREW:	DATE:	SHEET:
JHR	3/31/08	3 of 3
BKC, JHR	4/1/08	4 of. 4



13
333

① Lon. cracking in pavement, approx. 2" E. SWL, spaced approx. 15'-6" apart

② E. Ln., W. wheel line, single crack 2'-6" x 1/8-1/2", 60' S. CG10 C1-447

③ E. Ln, W. wheel line, slight wheel rutting w/ multiple cracks parrallel C1-448 CL=

④ E. Ln, pavement replacement L 14'-6" x 12'-6". C1-496

⑤ E Ln, patch W.W.L. 2'-6" x 13'-6"

⑥ patch W.W.L. E. Lane 2'-6" W. x 6' Long.

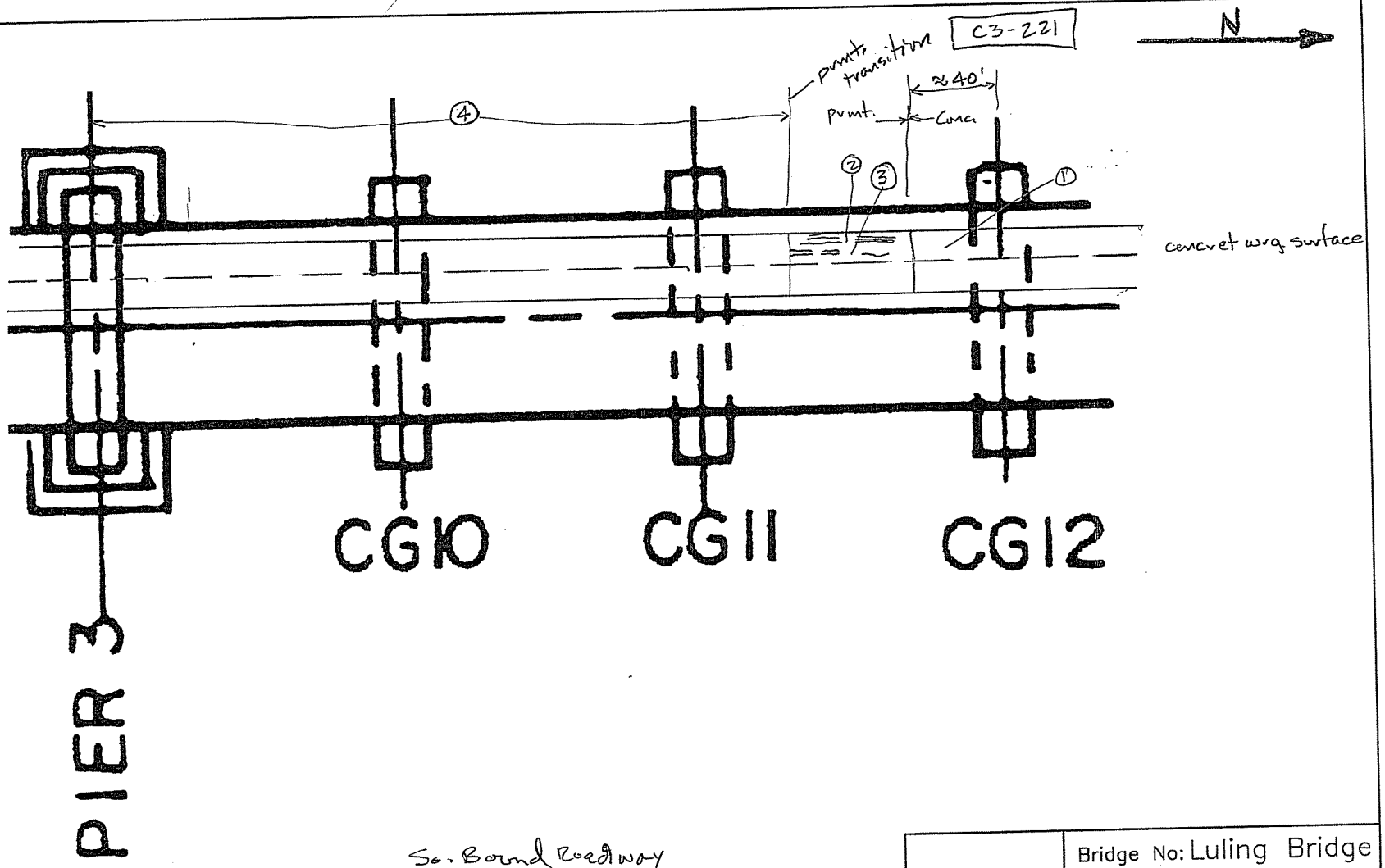
⑦ patch w/ long crk. 3'-6" W. x 14'-6" long.; long ck. open 3/16" C3-165

⑧ 2'-6" x 4' long depression in E.W.L. E. Lane ≈90' S. CG #12 w alegator cracking; 3/4"+ deep. C3-166

⑨ long crk. continues in conc. wearing surface to C.G. #12 C3-168 (hair line crk.) Crk meanders but is more or less continuous.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
TOP OF DECK	
JOB: P7100700019	

CREW:	DATE:	SHEET:
SGB, JHR	3/27/08	2 of 3
		of



So. Bound Roadway

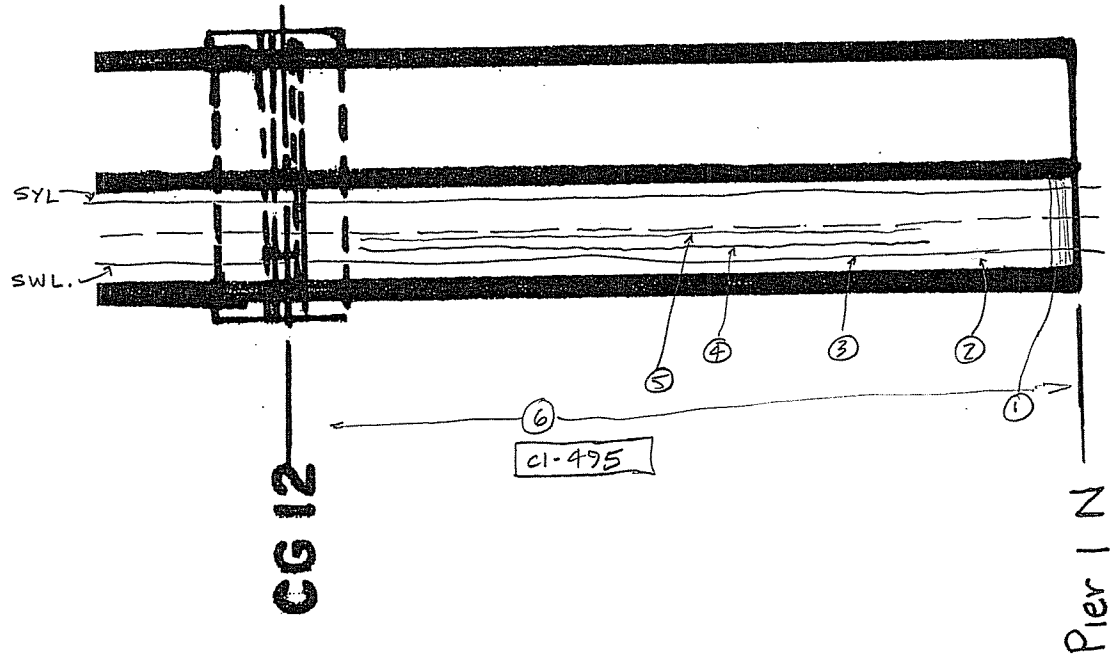
① No long crks at SWL in Conc. Wearing Surface

② IN West lane there is heavy long/alegator crking in West W.L. [C3-219]

③ IN West lane there is mod. long cracking in East W.L. [C3-220]

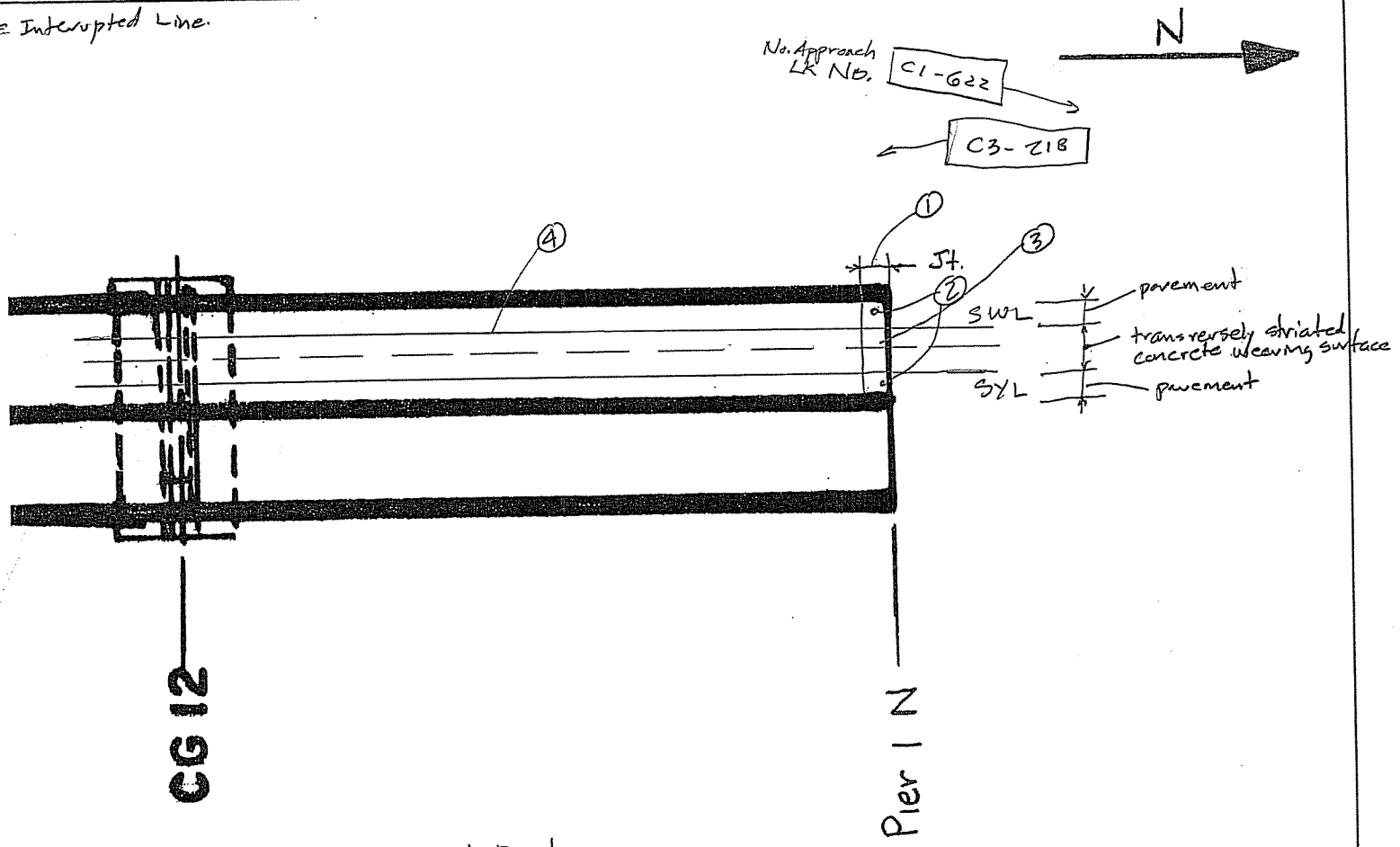
④ Uniformly spaced long crks at or just West of SWL [C3-222/223]
Crk length varies from ≈10' to 2.5', in length (longer to North)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
TOP OF DECK	
JOB: P7100700019	
CREW:	DATE: / SHEET:
JHR	3/31/08 / 2 of 3
	/ of



① br. jt. at PIN filled w/ fines E. end.; missing steel armor section 3rd from N.; crk in steel armor 2nd from N both in E. travel lane. C3-169 C3-170 C3-171 C3-172 Jt. rides rough (see notes of Wes & Shawn)	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
② CI-480 - Meander in h.l. crk at SWL ~30's, PIN.	NOTES BY:	TranSystems
③ h.l. crk at SWL through out length from CG 12 to PIN	TOP OF DECK	
④ h.l. crk 3-4' west of SWL " " " " CI-481	JOB: P7100700019	
⑤ h.l. crks in the West W.L. E.L. of N. Bd. CI-482	CREW:	DATE: / SHEET:
⑥ typical p.o. btw. CG 12 and Pier 1 N 15-20 p.o. primarily in E.L. of N. bd.	JHR	3/27/08 / 3 of 3
	JHR	3/28/08 / 3 of 3

I.L. = Interrupted Line.



So. Bound Deck

C3-214

① Jt armor is intact, but alignment of north sections in both lanes is to the N.

② Jt is filled with fines in the N. brake down and E. shoulder C3-216 C3-215

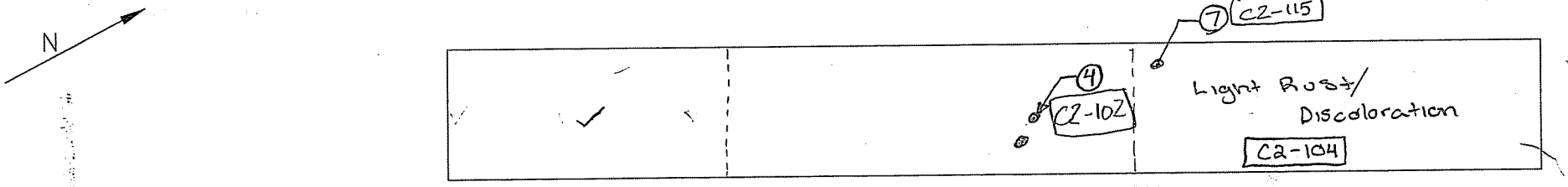
③ Wedge Comp. Seal coming out of jt armor for ~1' section just west of I.L. C3-217

④ No longitudinal crack at SWL throughout

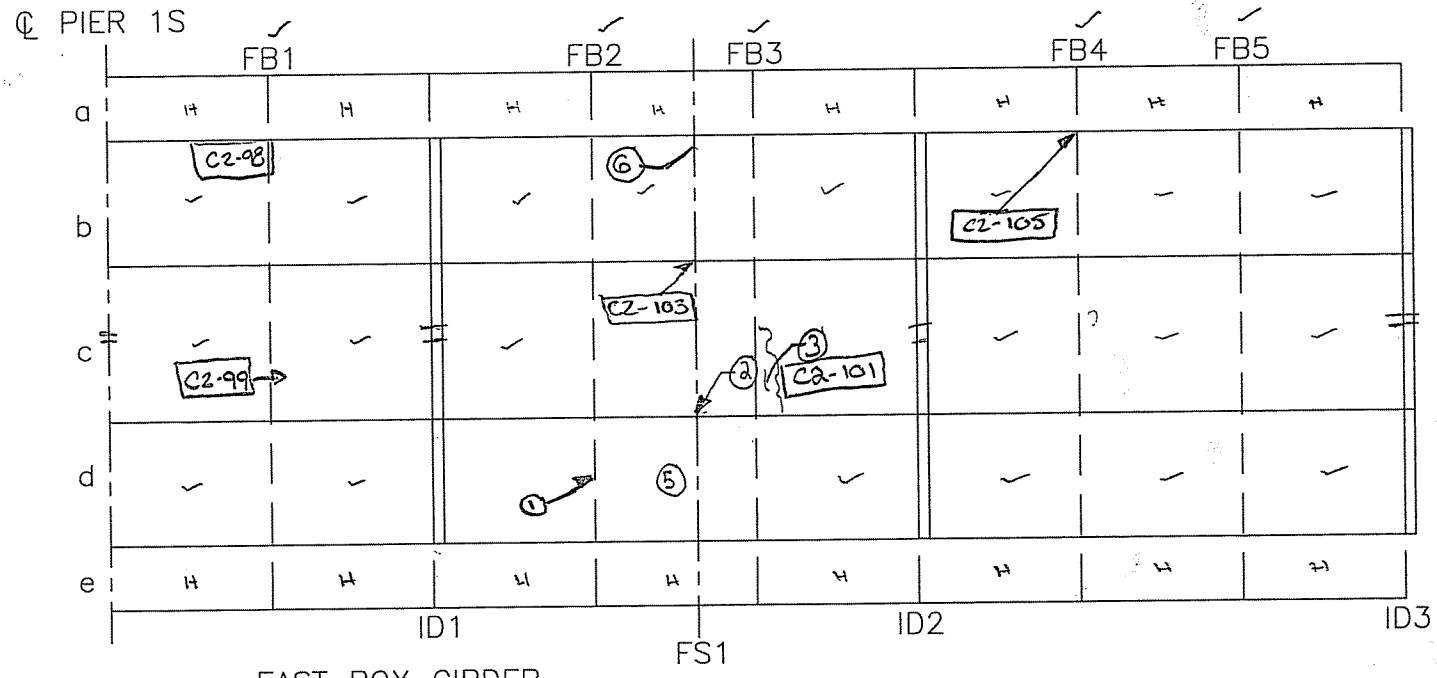
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
TOP OF DECK	
JOB: P7100700019	

CREW:	DATE:	SHEET:
JHL	3/31/08	1 of 3
		of

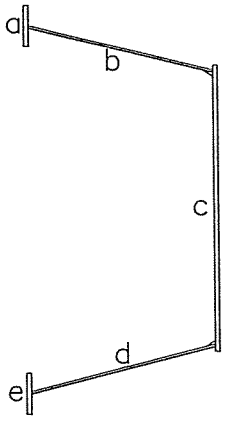
16
233



UNDERSIDE OF DECK



EAST BOX GIRDER



17 333

① Missing Bolt / Washer on Conduit Box

② Heavy Rust on Bolts / Web @ Web to Base Angle @ Field Splice C2-100

③ Collection of Asphalt C2-101

④ Drill Holes in Deck causing a collection of Fallen Asphalt C2-102

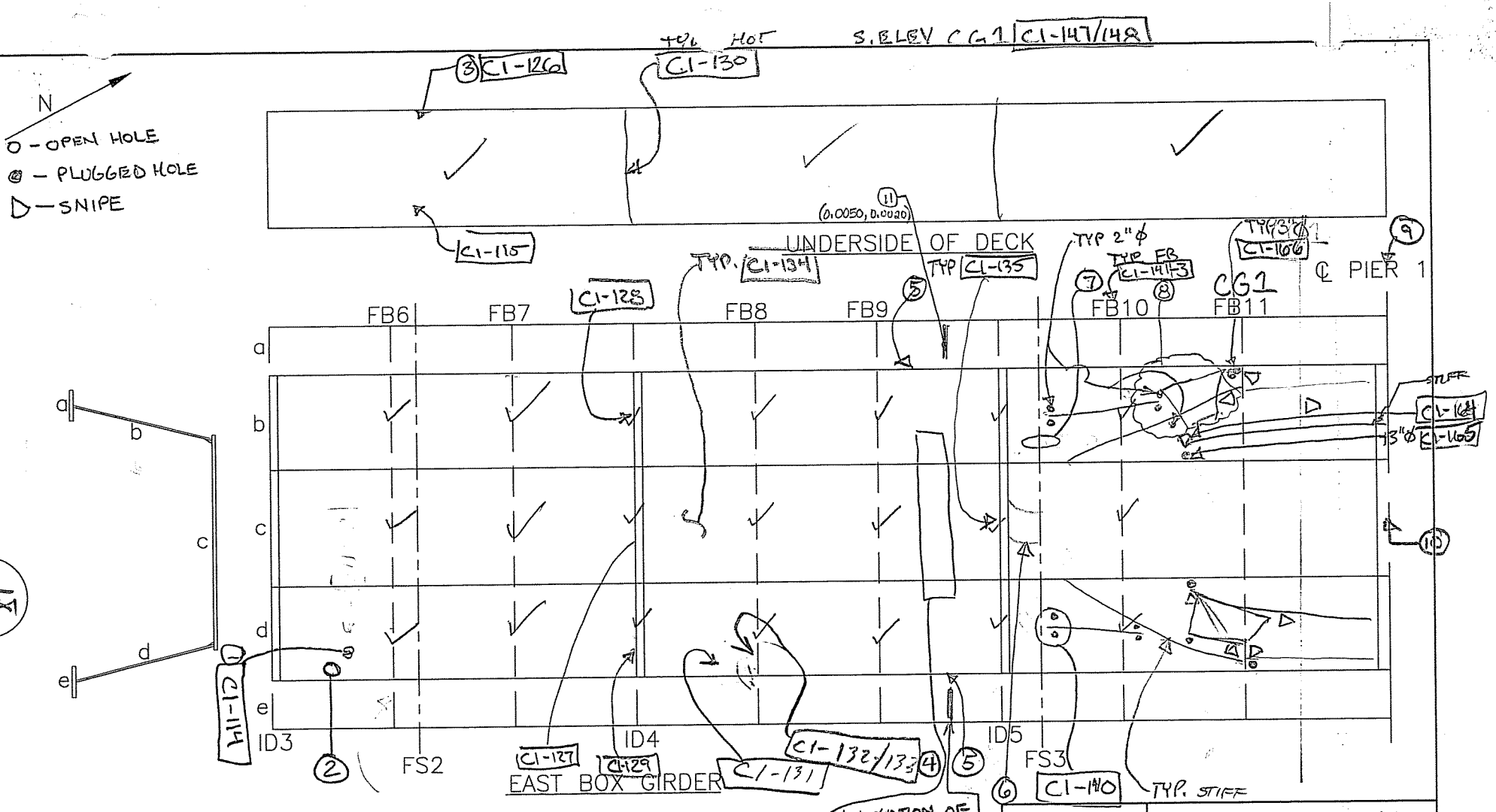
⑤ Flaky Rust on web around Field Splice

⑥ Angle Plate not Flush w/ web stiffner @ FS1 C2-114

⑦ Dent in Deck / Ceiling C2-115

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 1M	
JOB: P710070019	

CREW:	DATE:	SHEET:
CRS/MJS	3/6	9 of 9
MJJ/CRS	3/7	2 of 2



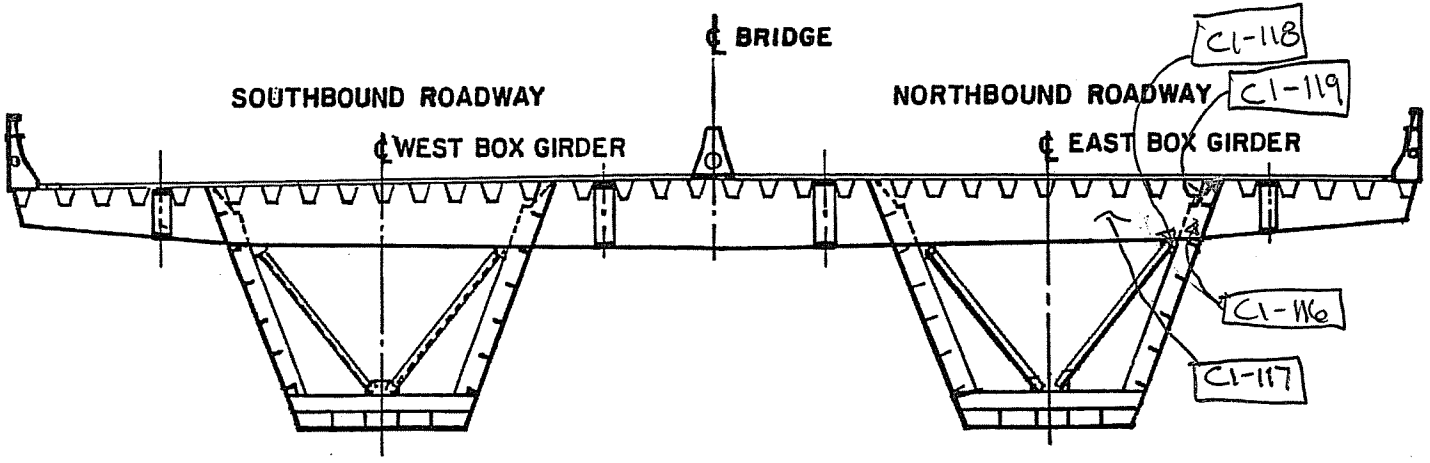
1. CONDUIT MISSING TOP, LOOSE WIRES
2. OPEN CONDUIT HOLE W/ WIRE MESH 4" ϕ
3. MISSING BOLT AT FS2 BY W1 WEB
4. POOR QUALITY WELD W/ IRREGULARITIES IN THROAT SIZE & SLAG BTWN X-BRACE / I WEB
5. TYP. ISO. LENGTHS 6"-1' UNDERCUTTING, BTWN TOP FL & WEB C1-136/137
6. STIFF. BEND TO EAST 2½" AT DIA. 5 C1-138
7. 3 LOOSE BOLTS AT SPLICE C1-139
8. GEN SHOT AREA C1-144; DTL 2 x 2" ϕ PLUGGED C1-145; DTL 6" ϕ PLUGGED C1-146
9. PIGEON DEBRIS ALL IN PIER 1 BTWN E-W C1-168-170
10. TYP. PIN/HANGER IN GOOD COND. C1-167
11. Plunger Test location, Readings in inches (Max, Min) Max is deflection down, Min is deflection up

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 1M	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC, BS	3/6/08	10 of 12
BKC, BS	3/7/08	1 of 3

1 BKC, MJS 4/9/08

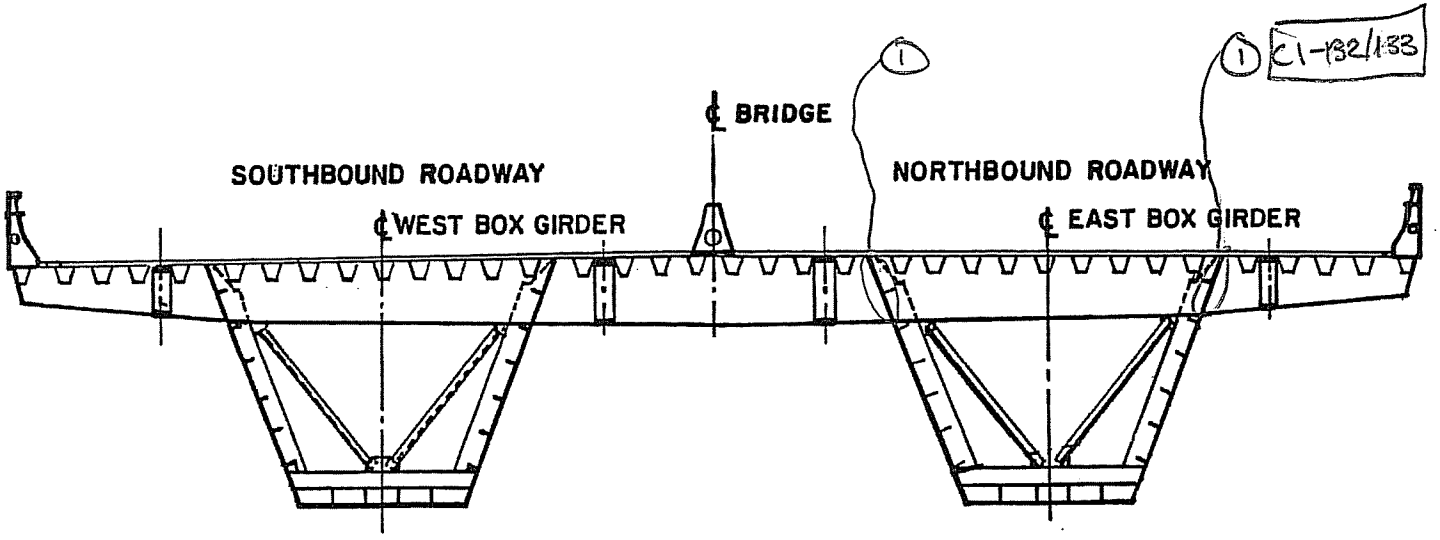
2 BKC, CTY 4/10/08



TYPICAL CROSS SECTION

FLOORBEAM 6
SPAN 1

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TYPICAL CROSS SECTION		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/6/08	11 of 12
		of



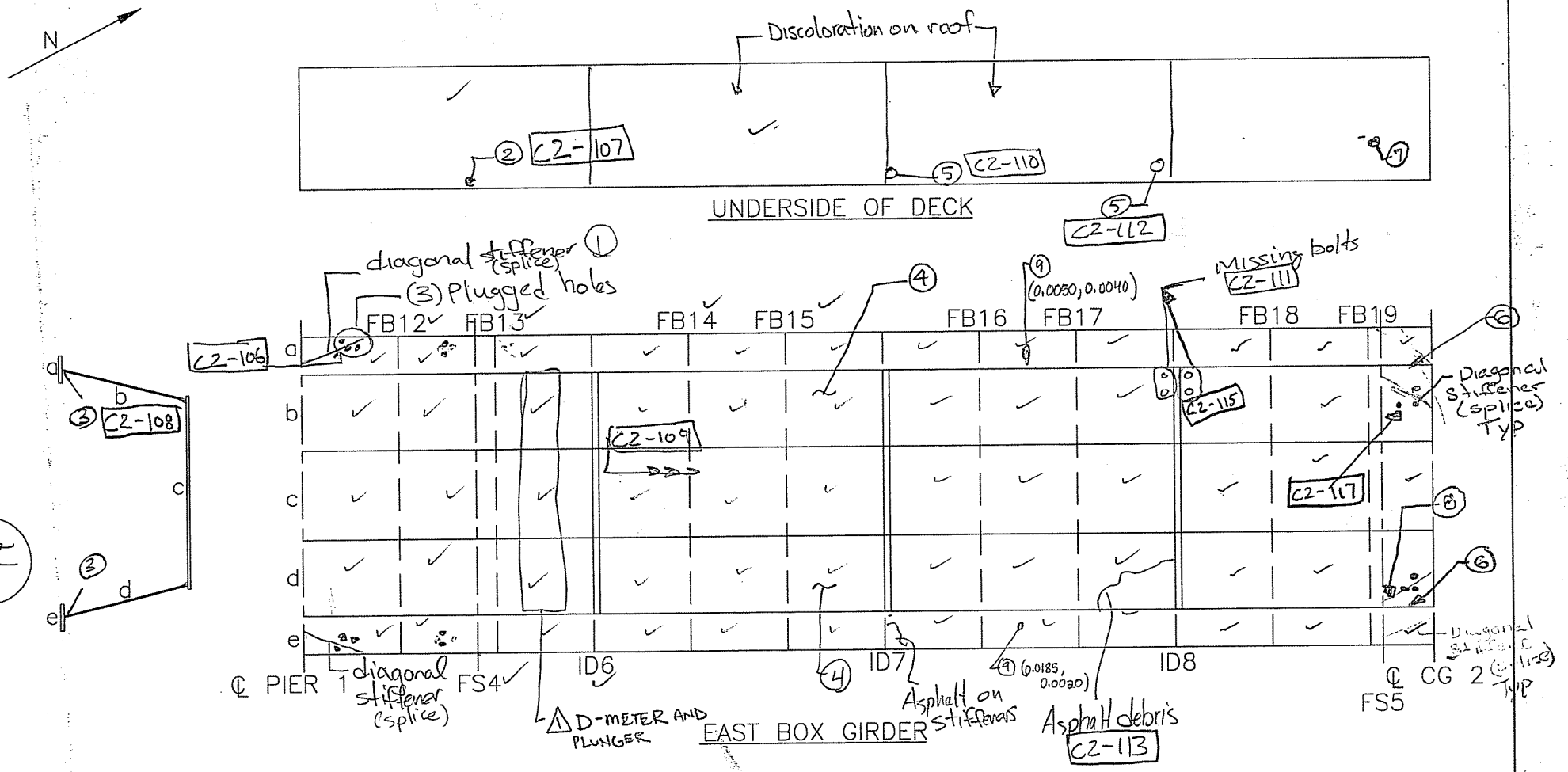
TYPICAL CROSS SECTION

FLOORBEAM 7
SPAN 1

1 POOR QUALITY WELD W/ IRREG. THROAT SIZE W/EXCESS SLAG (S. FACE ONLY BTWN FB 6-WEB)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
TYPICAL CROSS SECTION	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC, BS	3/6/08	12 of 12
		of



① One bolt missing in diagonal stiffener splie. drift pin installed

② Missing hut in orthotropic deck splice, E side of box beam. F.S. 4

③ Undercut noted at several stiffener to floor field welds

④ Minor rust flaking at top of longitudinal stiffeners.

⑤ Holes drilled through slab and ceiling. Asphalt has fallen through to box girder.

⑥ No weld at stiffner to U/S Deck (Typ) @ Both Sides C2-119

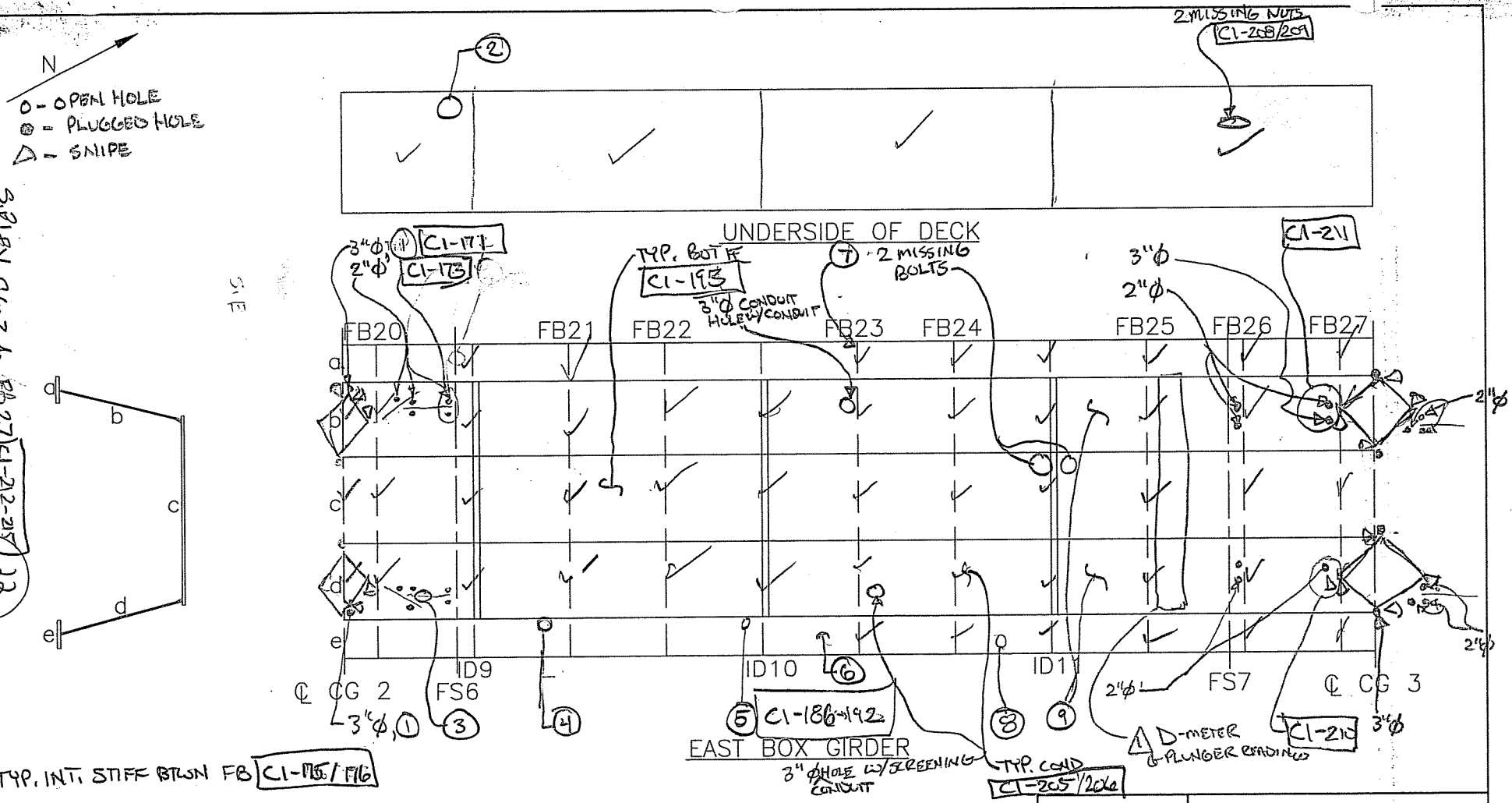
⑦ Missing Nut/Washer @ FS5 C2-116 • Plugged hole

⑧ Gap in Stiffener Due to Diagonal Splice Plates C2-118

⚠2 ⑨ Location of Plunger Test. Readings in inches (Max, Min) ↑ deflection up ↓ deflection down

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 2M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJJ/CRS	3/7/08	1 of 2
⚠1 BKC/MJJ	4/8/08	of
⚠2 BKC/CTY	4/10/08	



TYP. INT. STIFF BTWN FB C1-175/176

1. STIFF. TO S. OF HOLE CUT AT 90° TO AVOID INT. WELDS
2. MISSING NUT AT FS 6 ALONG DECK C1-172
3. TWO LOOSE BOLTS AT HORIZ. STIFF C1-174
4. 1" CR WELD MAT. BTWN TRAN. STIFF/TOP FF AT 2ND STIFF N. OF ID 9 C1-177-186
5. 1½" CR WELD MAT./BASE METAL TRAN STIFF/TOP FF INTO TOP FF STIFF S OF ID 10.
6. 1" CR WELD MAT. VISUAL INDICATES POT. IN FF C1-194 thru 198 (SINGLE HASH WELD IMPT, DOUBLE POT. IN BASE)
7. UNDER CUT IN WELD BTWN FB 6 TOP FF AT WEB. C1-199 - C1-201
8. 1½" CR WELD MAT. 6 TOP FF TRAN STIFF/TOP FF 2 STIFF S. OF ID 11 C1-202 thru 204
9. LARGE SHEETS OR DELAM. RUST C1-207

CTLGroup

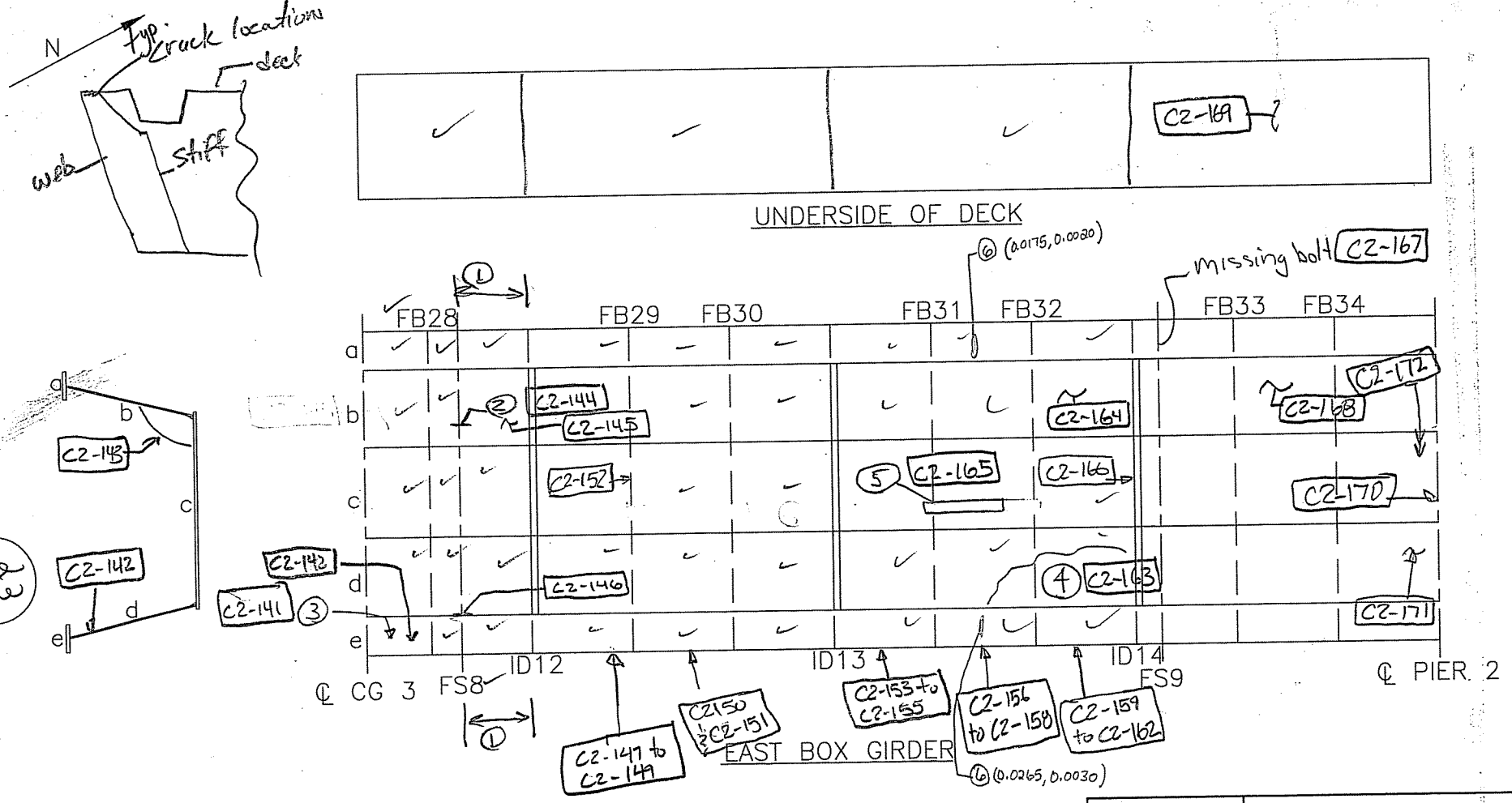
Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

FRAMING SPAN 2M

JOB: P710070019

CREW:	DATE:	SHEET:
BKC, BS	3/7/08	3 of 3
BKC, MJS	4/8/08	of



① Heavy rust sheeting from field splice 8 to ID12. Rust has accumulated on top of hor. stiffners and on floor.

② Loose bolt in FS 8 connection at stiffener (West web wall) C2-144

③ Bent splice connection on top of plate A C.G. #3, connection to East box girder. Approx. Gap width is 25" L x 3/16" (max) W C2-141

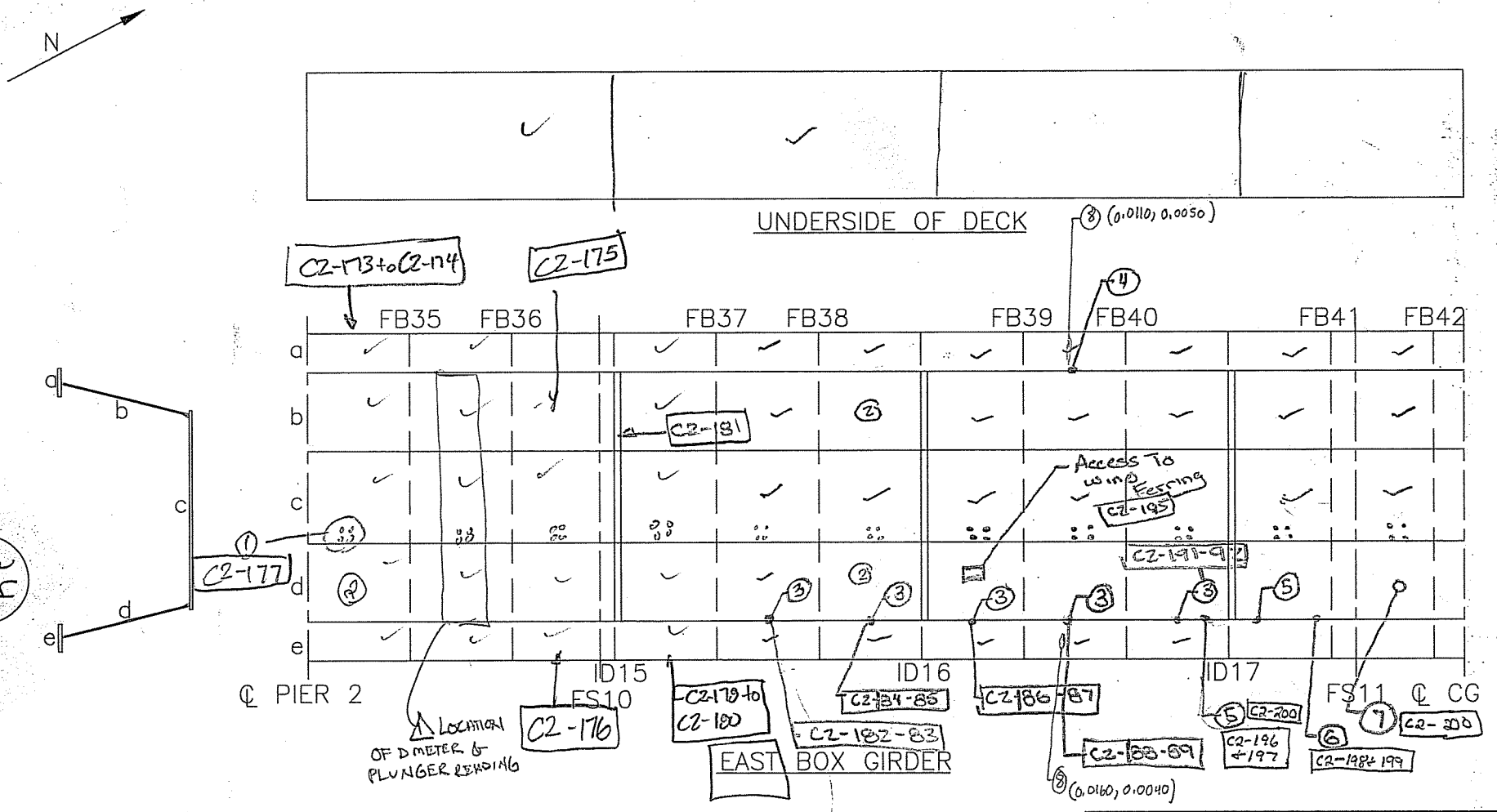
④ Sand debris Along floor

⑤ Cabletray has top off for approximately 12' section

⚠1 ⑥ Location of plunger tests, Readings are in inches (Max, Min) Max. is deflection down, Min is up

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 2M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJS/CRS	3/10/08	1 of 2
⚠1 BKC/CTV	4/10/08	of



(1) Typical location of missing bolts with holes in bottom of girder C2-177

(2) Heavy rust shedding / flaking of webs - Occurs on both web walls

(3) Small crack @ Deck - web Stiffener weld wrapping around Both sides

(4) Deep Undercut @ Deck - web Stiffener weld C2-190

(5) Small crack @ Deck - web Stiffener @ North side of weld C2-193-94

(6) 1/8" T.H. @ u/s Deck & Near 1ST Stiffener South of FB41; East Web

(7) Missing Plug @ Hole; East Wall B/T FB41-42 @ Diagonal Splice

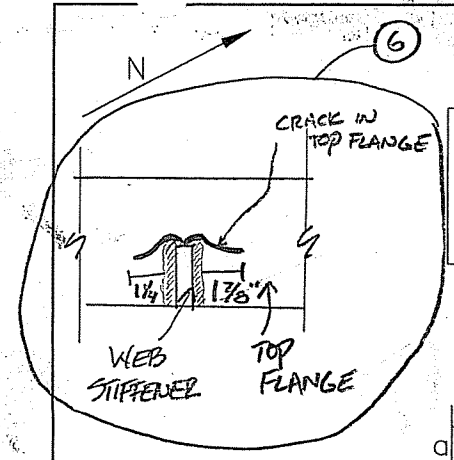
⚠ (8) Location of Plunger Test, Readings in inches (Max def. down, Min (Max def. up.))

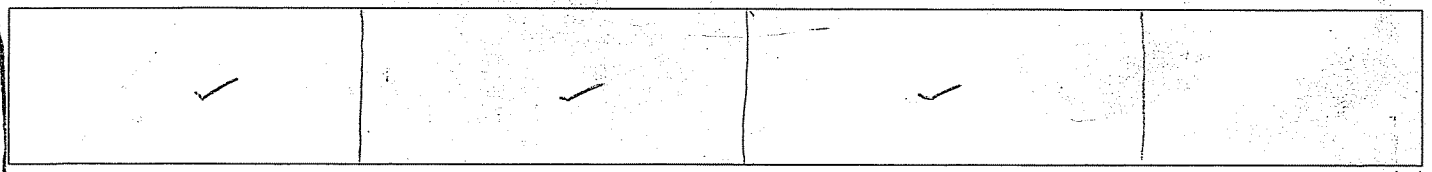
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJJ/CTY	3/10/08	2 of 2
CRS/CTY	3/11/08	1 of 2

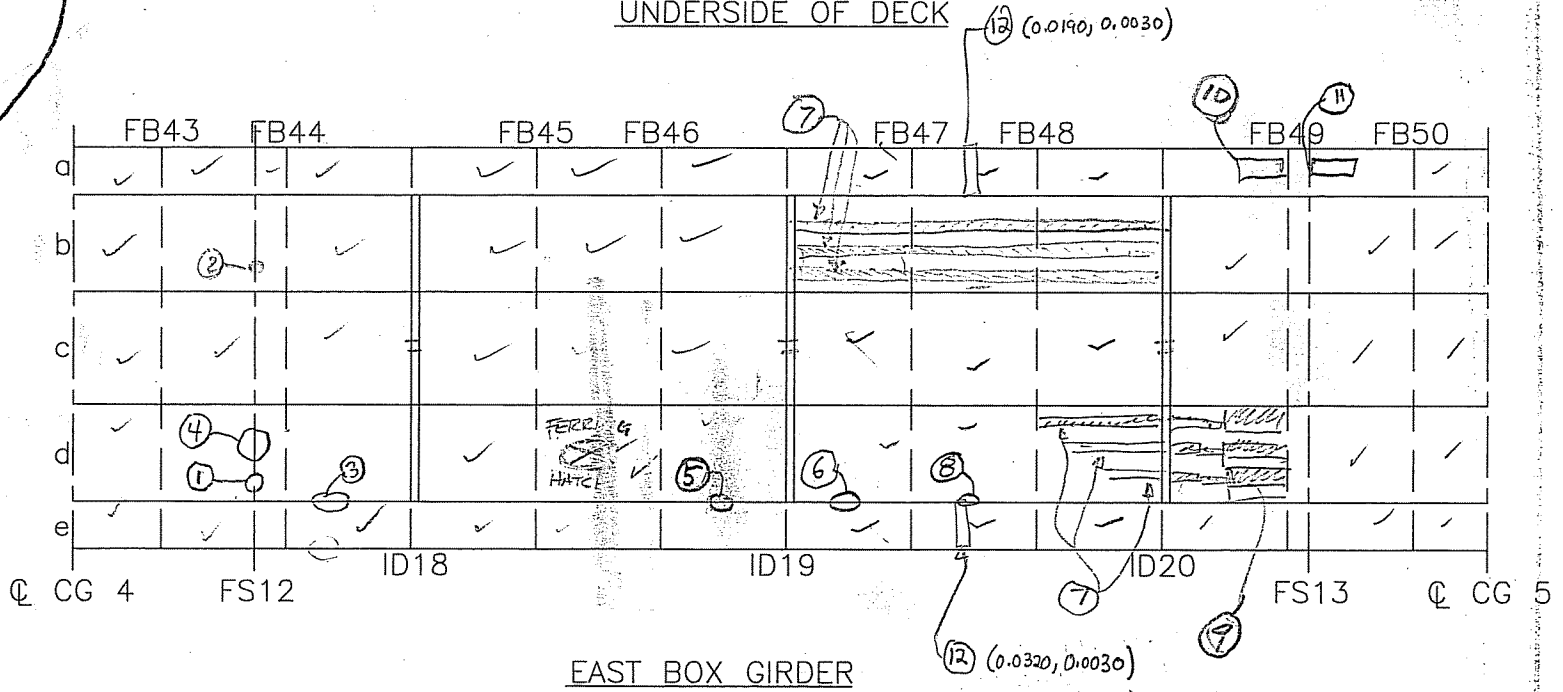
⚠1 BKC, MJJ 4/9/08

⚠2 BKC, CTY 4/10/08

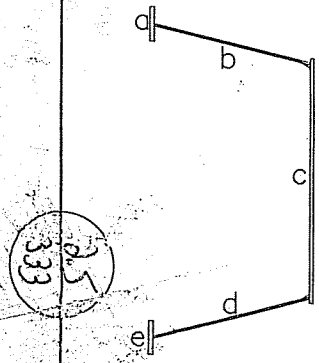




UNDERSIDE OF DECK



EAST BOX GIRDER

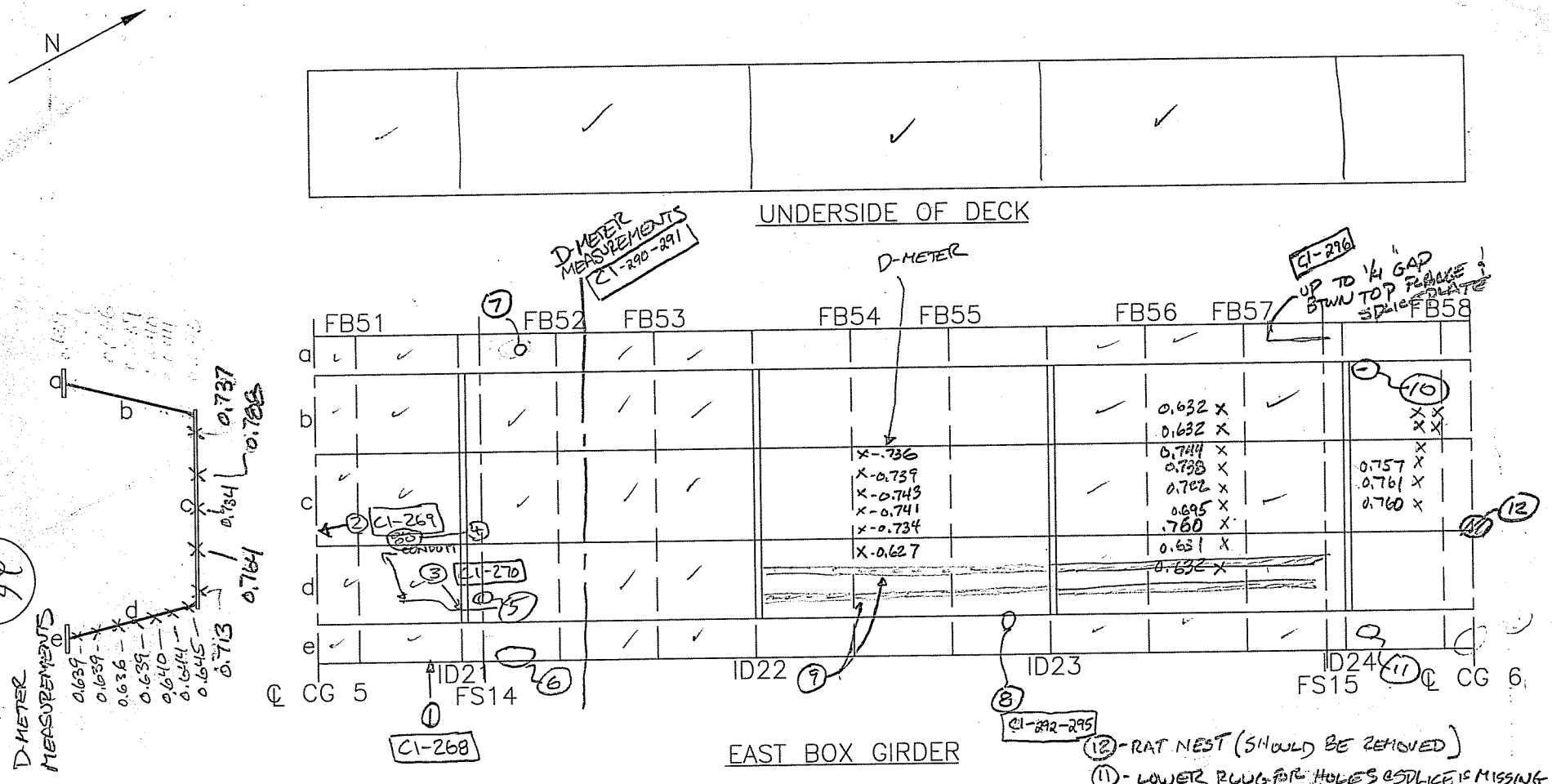


1. 2 BOLTS @ FS12 ARE UNDER THREADED C2-224
2. 1 BOLT MISSING C2-225
3. WELD @ TOP OF STIFFENER IS UNDERCUT & BOLT MISSING @ TOP FLANGE C2-226, 227
4. 5 BOLTS IN A ROW OF 10 UNDER THREADED
5. CRACK @ STIFFENER WELD, CRACK PROPAGATED 7/8" INTO BASE METAL C2-228 → C2-232
6. CRACKS @ STIFFENER WELD, N. CRACK PROP 1¼" INTO BASE METAL, S. CRACK PROP 1⅞" INTO BASE METAL
7. MED. GRAINED / FLAKING RUST UP TO 10" HIGH ABOVE EACH LONG. STIFFENER C2-237
8. CRACK @ STIFFNER WELD, NOT PROPAGATED INTO BASE METAL C2-238
9. MED. GRAINED/FLAKING RUST UP TO FULL HEIGHT BTWN STIFFENERS
10. 1/8" GAP BTWN TOP FLANGE/DECK & SPLICE PLATE C2-239
11. 1/8" GAP BTWN TOP FLANGE/DECK & SPLICE PL W/ UNDERTHREADED BOLT C2-240

△ (12) Location of Plunger Test, Readings in inches (Max def. down, Max. def. up)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SWB/CRS	3/12/08	1 of 2
~~BKC/SPM~~	~~4/9/08~~	of
△ BKC/CTY	4/10/08	



(12) - RAT NEST (SHOULD BE REMOVED)

(11) - LOWER PLUG FOR HOLES @ SPLICE IS MISSING

(1) EVIDENCE OF WATER LEAKING THROUGH TOP SPLICE PLATE. IMPACTED RUST (3/16") between splice plate and deck, B) Bolts are moderately rusted with minor section loss C1-268

(2) BROKEN LADDER CLIP FROM C.G. 5 INTO BAY. C1-269

(3) CONDUIT THROUGH ID21 IS RUBBING ON DIAPHRAGM CAUSING WEARING OF CONDUIT C1-270

(4) (4) BOLT HOLES IN BOTTOM FLANGE OF GIRDER NEXT TO PLATE D, NO BOLTS

(5) 1 LOOSE BOLT @ FS14 (6) GAP BTWN TOP FLG. & SPLICE PLATE, UP TO 1/8"

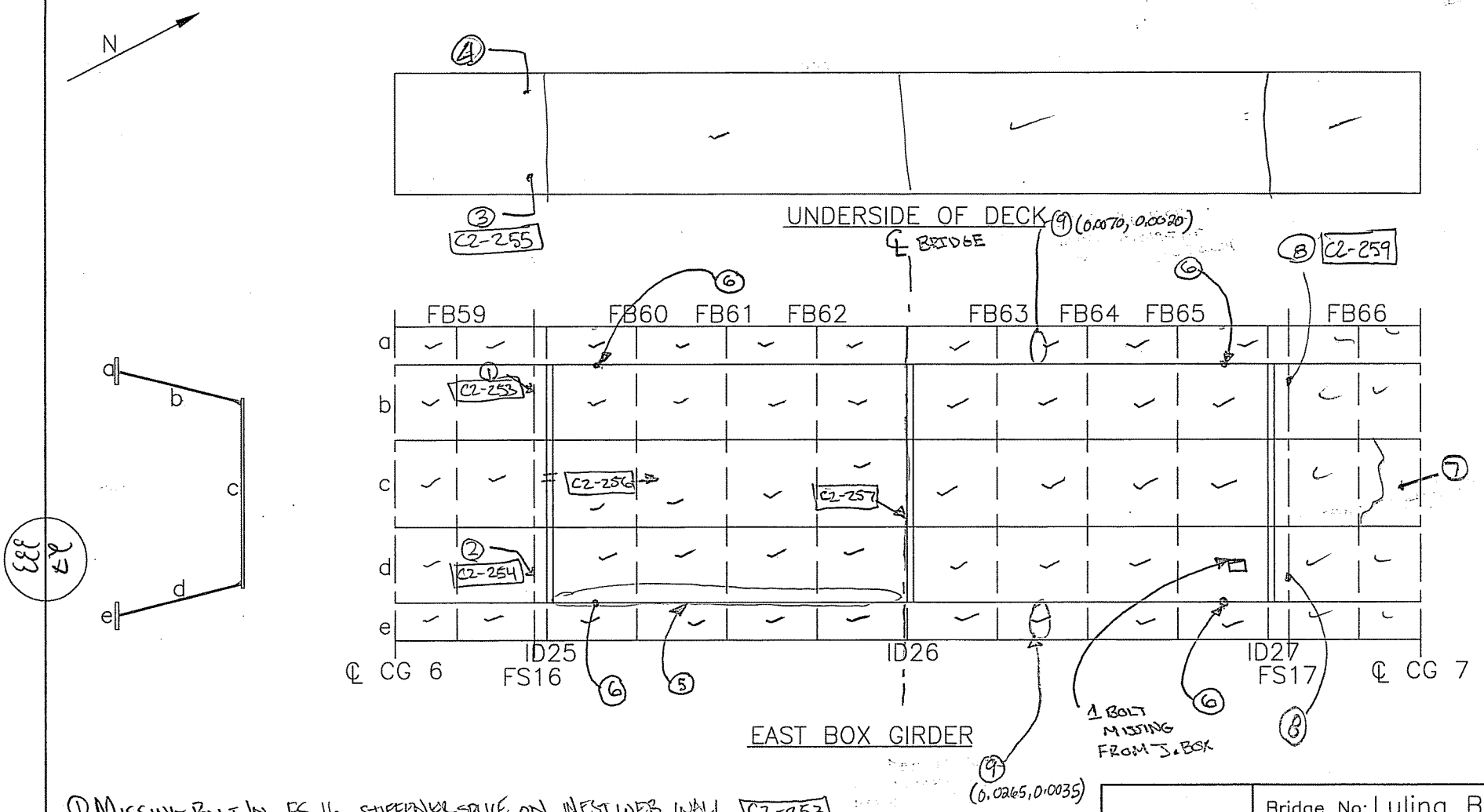
(7) Nut Missing from AL attached to underside of deck (8) CRACK @ TOP OF STIFFENER WELD, PROPAGATED 1" INTO FLANGE

(9) MED. GRAINED / FLAKING RUST UP TO 8" HIGH ABOVE LONG. STIFFENERS

(10) GOUGE IN WEST WEB @ ID24, NEAR TOP FLANGE 2" LONG UP TO 1/16" DEEP C1-297

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJJ/CTY	3/12/08	1 of 3
SUB/PGN/CTY	3/13/08	1 of 2



① MISSING BOLT IN FS 16, STIFFENER SPLICE ON WEST WEB WALL C2-253

② LOOSE BOLT IN FS 16, EAST WALL SPLICE PLATE C2-254

③ LOOSE BOLT IN FS 16, DECK SPLICE PLATE, C2-255

④ MISSING NUT IN FS 16, DECK SPLICE PLATE

⑤ STIFFENER - FLANGE WELDS GOOD

⑥ 2 BOLTS @ STIFFENER - FLANGE WELD LOCATION C2-258 (TYP)

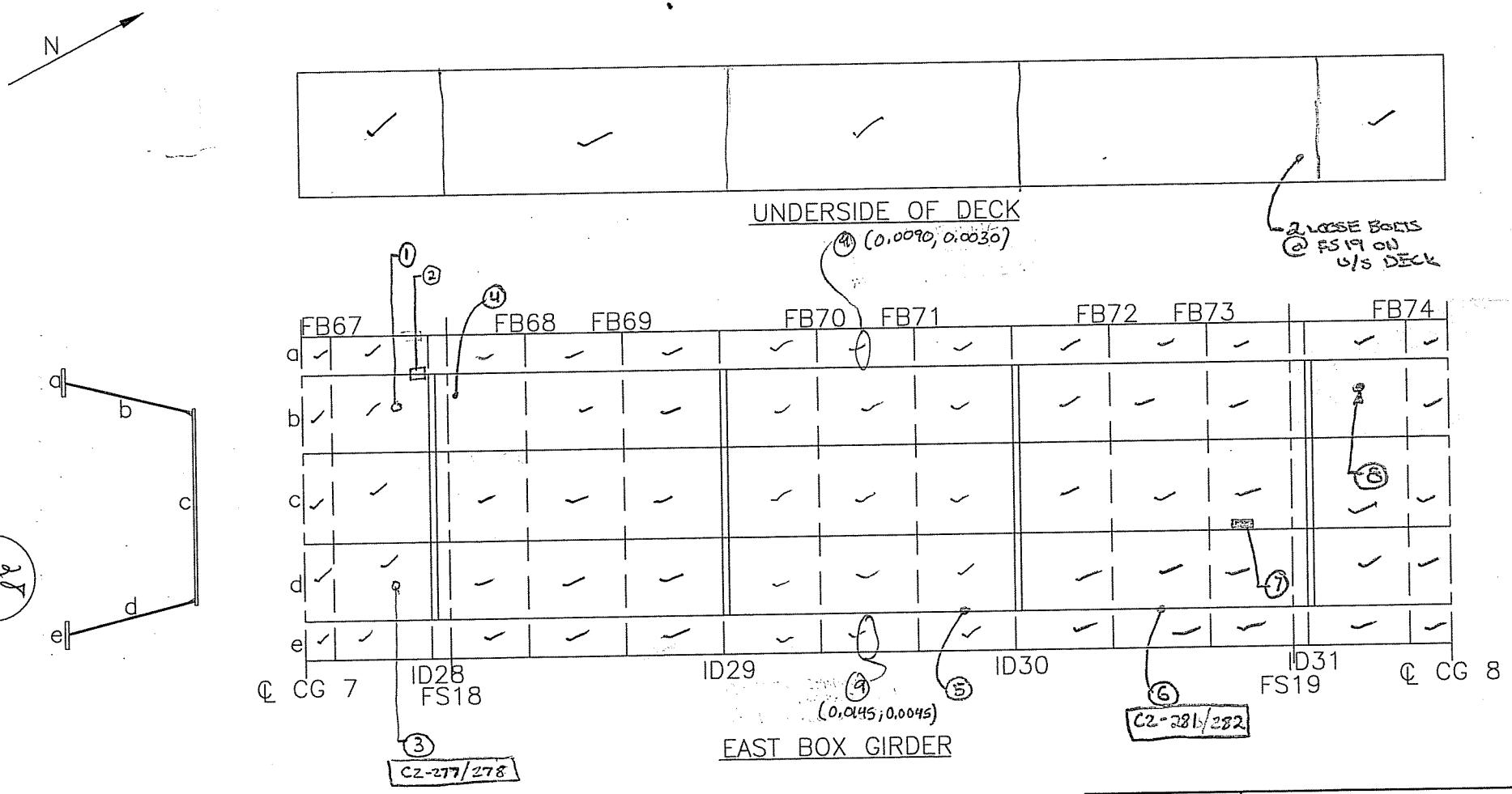
⑦ HEAVY ACCUMULATION RAT DEBRIS AND DIRT AT C.L. 7 LOCATION

⑧ MISSING BOLT IN FS 17, STIFFENER SPLICE ON WEB WALL C2-259

⚠ (9) Plunger test location. Readings in inches (Max defl. down, Max defl. up)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJJ/CES	3/14/08	2 of 3
~~BKC/CTY~~	~~4/9/08~~	of
⚠ BKC/CTY	4/10/08	



2F 333

(1) Missing plug in crack arrest hole

(2) 1/8" gap between underside deck and bolted PL

(3) 1/2" LONG CRACK ~~PROPAGATING FROM~~ @ CRACK ARREST HOLE EXTENDING TO SPLICE GAP BELOW

(4) 1ST/2ND STIFFENER DOWN FROM FLANGE, LAST 2 SHIMS @ NORTH SIDE OF FS18 CUT DUE TO PROXIMITY TO STIFFENER CZ-279 | CZ-280

(5) CRACK AT STIFFENER - FLANGE WELD W/ NO PROPAGATION INTO BASE METAL

(6) CRACK AT STIFFENER - FLANGE WELD / PROPAGATING 3/8" INTO FLANGE ON SOUTH SIDE

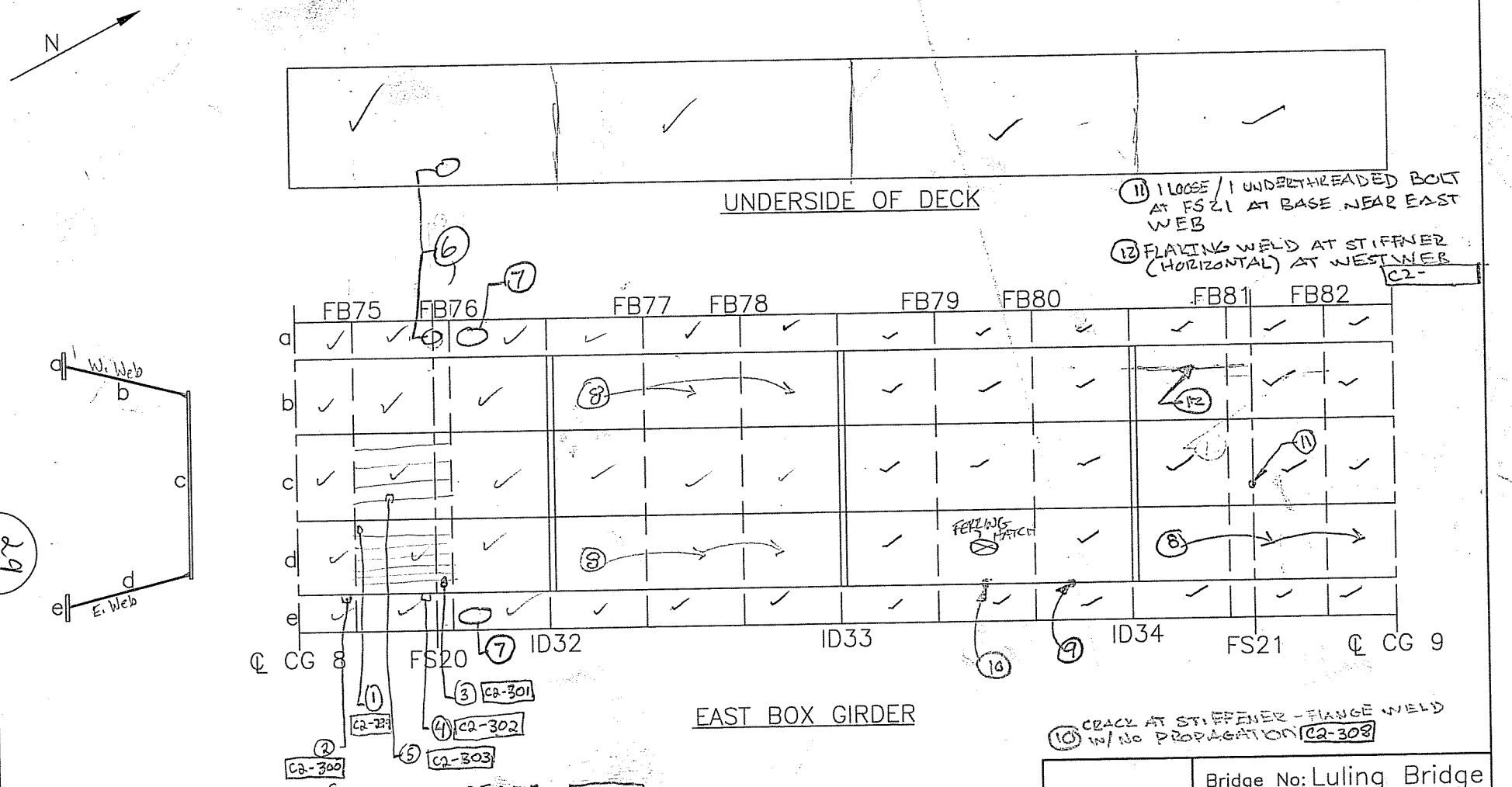
(7) 3 FT² AREA W/ UP TO 1/8" FLAKING RUST @ BASE CZ-283

(8) 3 LOOSE BOLTS AT GIRDER SPLICE CZ-284

⚠(9) Plunger Test Location, Readings in inches (Max defl. down, Max defl. up)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
CBS, CTY, SGB	3/17/08	1 of 3
⚠ BKC, CTY	4/10/08	of



29 333

(1) Missing bolt on E. Web. near floor just to N. of FB 75 [C2-299]

(2) Bolt sheared off of PL @ underside of deck FS 20. South of Stiffener which is South of FB76 E. Side [C2-300]

(3) At F.S. 20 E. Web on underside of Top long. Stiff. Angle is deflected 1/4" & bolt is out of hole 1/4" (-) [C2-301]

(4) At F.S. 20 E. Web @ underside of deck 1 nut backed off from bolt (tar leaking through) [C2-302]

(5) Bolt sheared off @ F.S. 20 on Floor in between first 2 long. Stiff W. of E. Web [C2-303]

(6) 3 LOOSE BOLTS IN WEST DECK RIB @ SPLICE

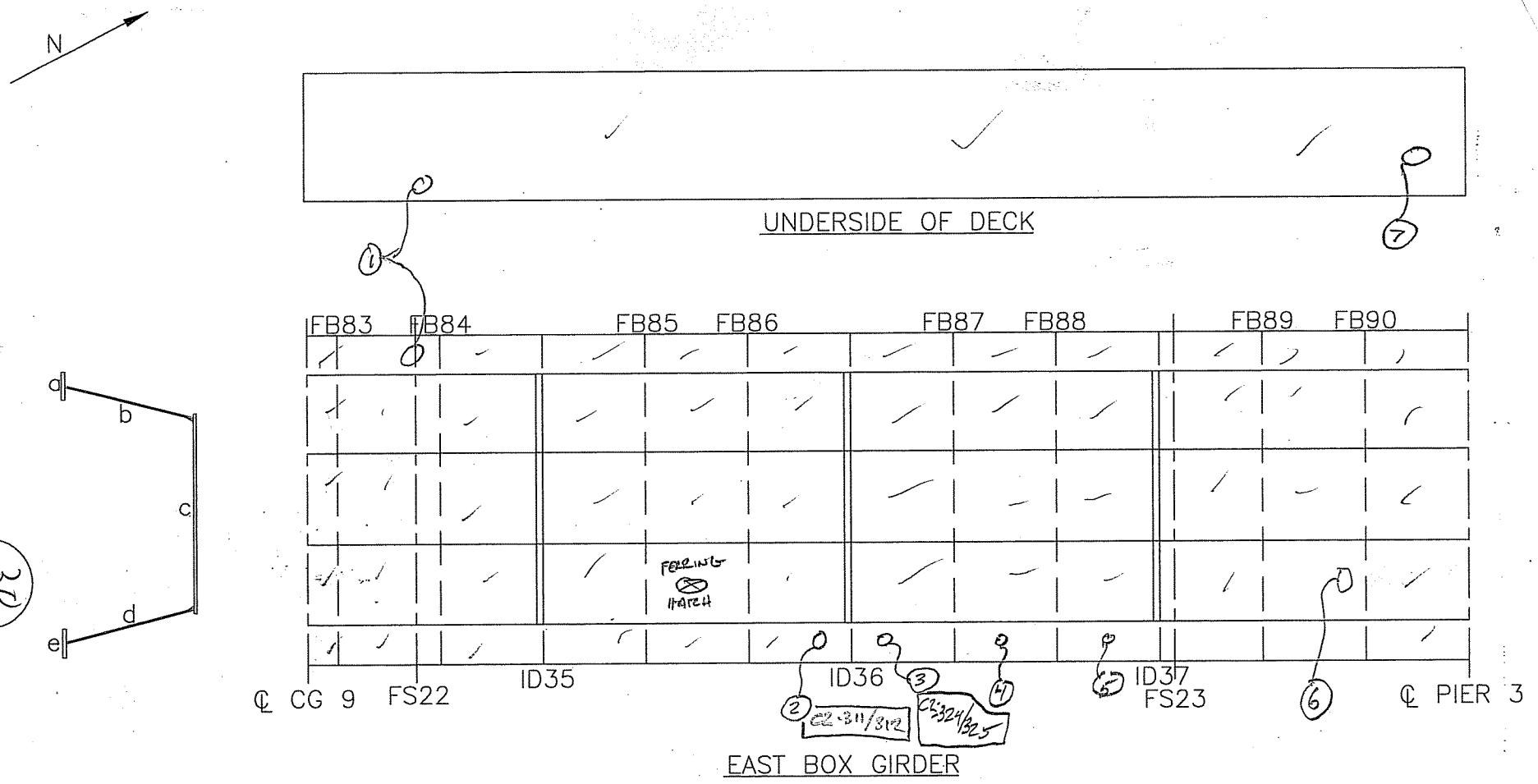
(7) ALL NUTS @ TOP FLANGE SPLICE UNDERTHREADED W/ A GAP UP TO 1/8"

(8) FLAKING RUST UP TO 3" HIGH ABOVE EACH STIFFENER W/ FLAKED OFF BUILD-UP OF RUST ON BOT FLANGE

(9) CRACK AT STIFFENER TO FLANGE WELD PROPAGATING 1 1/2" INTO FLANGE ON BOTH SIDES [C2-304-307]

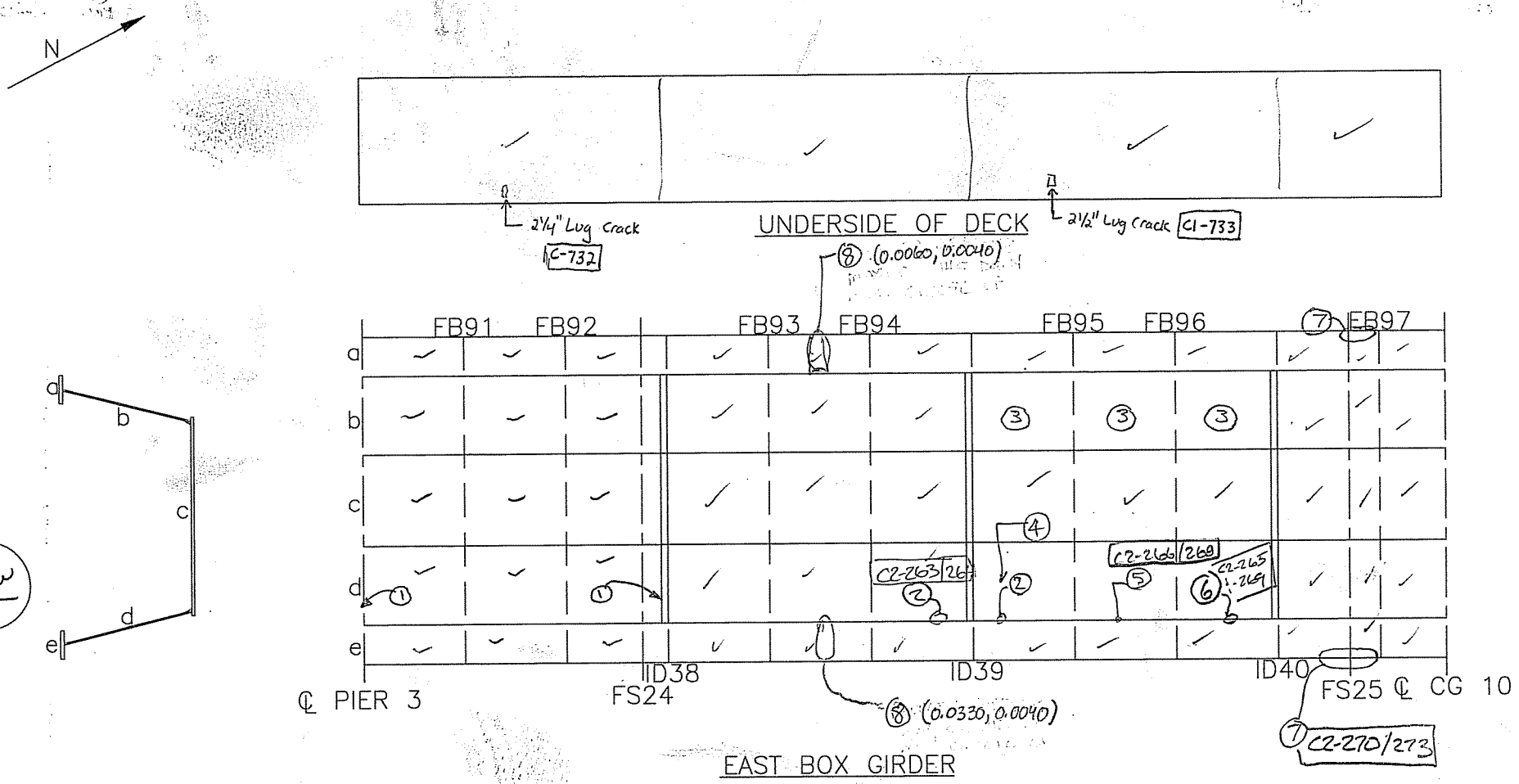
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN: 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SUB/CBS/CTY/SGB	3/18/08	2 of 6
		of



1. MISSING NUT @ TOP FLANGE SPLICE
2. CRACK IN TOP WELD @ 1ST STIFFENER SOUTH OF ID36, PROPAGATED 1/4" INTO FLANGE ON SOUTH
3. CRACK IN TOP WELD @ 1ST STIFFENER NORTH OF ID36, PROP. 1 1/8" INTO FLANGE ON NORTH
4. CRACK IN TOP WELD @ STIFFENER BTWN FB87-88, PROP 1" INTO FLANGE ON SOUTH
5. CRACK IN TOP WELD @ 1ST STIFFENER SOUTH OF ID37
6. CONDUIT DISCONNECTED @ JOINT NEAR EAST WEB
7. INSTRUMENTATION ATTACHED TO UNDERSIDE OF TOP FLANGE

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
SWB/CRS/CTY/SGB	3/18/08	6 of 6
SWB/CRS/CTY/SGB	3/19/08	2 of 4



(1) CONDUIT RUBBING AGAINST CONDUIT ACCESS HOLE w/ INDICATES IT IS LOOSE (TYP) C2-262

(2) WELD @ TOP OF WEB STIFFENER CRACKED C2-263 - 264

(3) THIN FLAKING RUST UP TO FULL HEIGHT B/T WEB STIFFENERS (TYP)

(4) LOOSE CONDUIT BRACKET ATTACHMENT TO STIFFENER

(5) WELD @ TOP OF WEB STIFFENER CRACKED AND EXTENDS INTO BASE METAL. 7/8" NORTH OF WELD AND 1 1/8" SOUTH OF WELD. C2-266 268

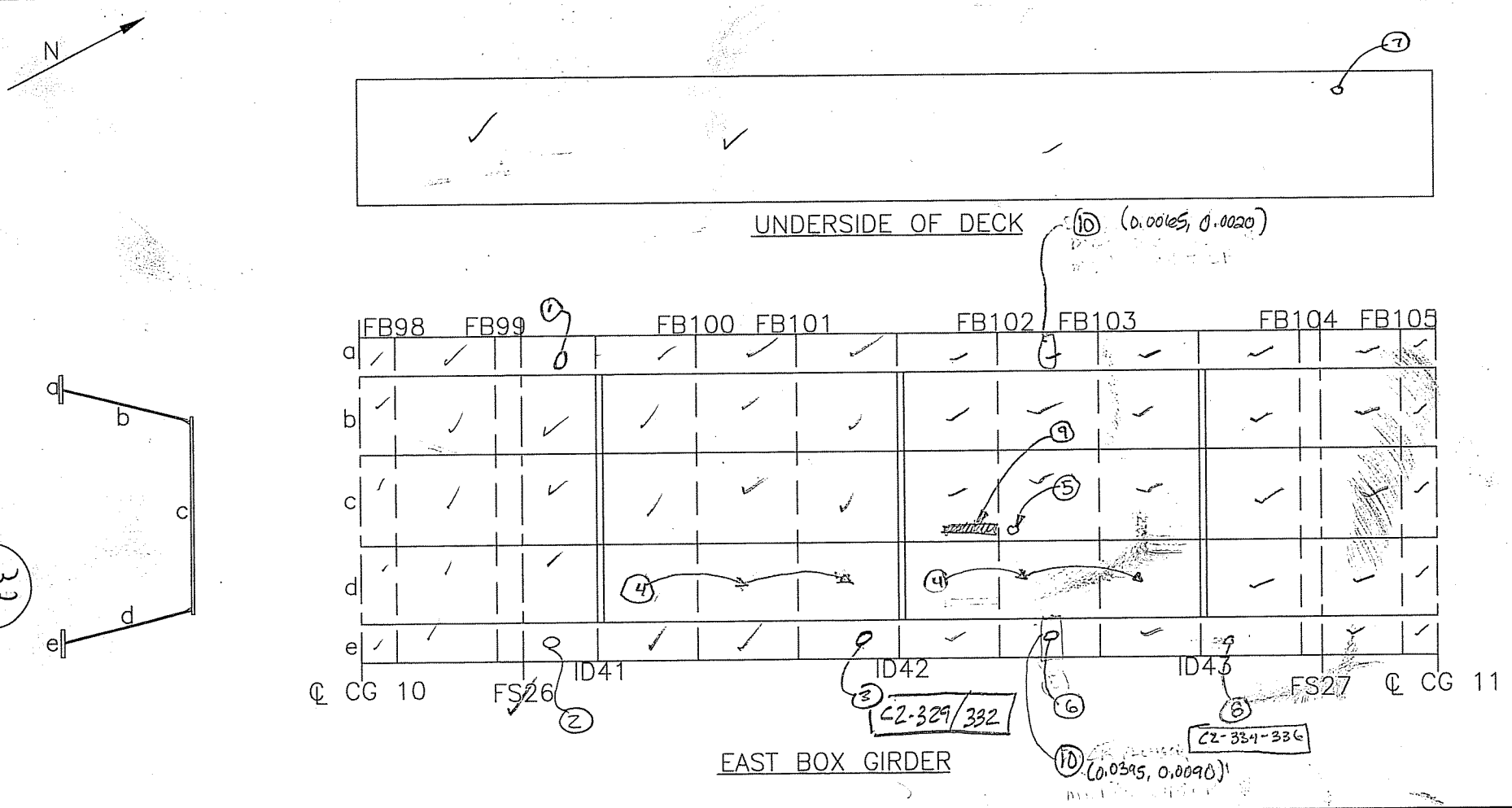
(6) WELD @ TOP OF STIFFENER CRACKED AND HAS PROPAGATED INTO TOP FLANGE 3/4" NORTH OF STIFFENER C2-265 & C2-269

(7) GAP UP TO 1/16" BTWN SPLICE; TOP FLANGE @ NW, NE; SE PLATES; NE; NW PLATE MOST NUTS UNDERTHREADED C2-270/273

(8) Location of Plunge Test, Readings in inches (Max defl down, Max defl up)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 4M	
JOB: P710070019	

CREW:	DATE:	SHEET:
CRD/SWB/CTY/MJJ	3/15/08	1 of 2
⚠1 BHC CTY	4/10/08	of



(1) POOR QUALITY WELD, POSSIBLE CRACK @ TYP STIFFENER WELD, 1st STIFF SOUTH OF ID41 - SHOULD BE TESTED

(2) TWO MISSING NUTS @ TOP FLANGE SPLICE

(3) WELD @ TOP OF STIFFENER CRACKED w/ CRACK PROPAGATED INTO FLANGE 3/4" NORTH & 1 1/4" SOUTH

(4) UP TO 8" Ø HOLE FLAKING RUST FROM THE BASE OF EACH HORIZONTAL STIFFENER

(5) MISSING NUT ON FLOOR NEAR EAST WEB

(6) WELD @ TOP OF STIFFNER CRACKED w/ NO PROPAGATION

(7) LOOSE BOLT AT FS 27 @ U/S DECK; INTERIOR OF RIB NEAR WEST WEB

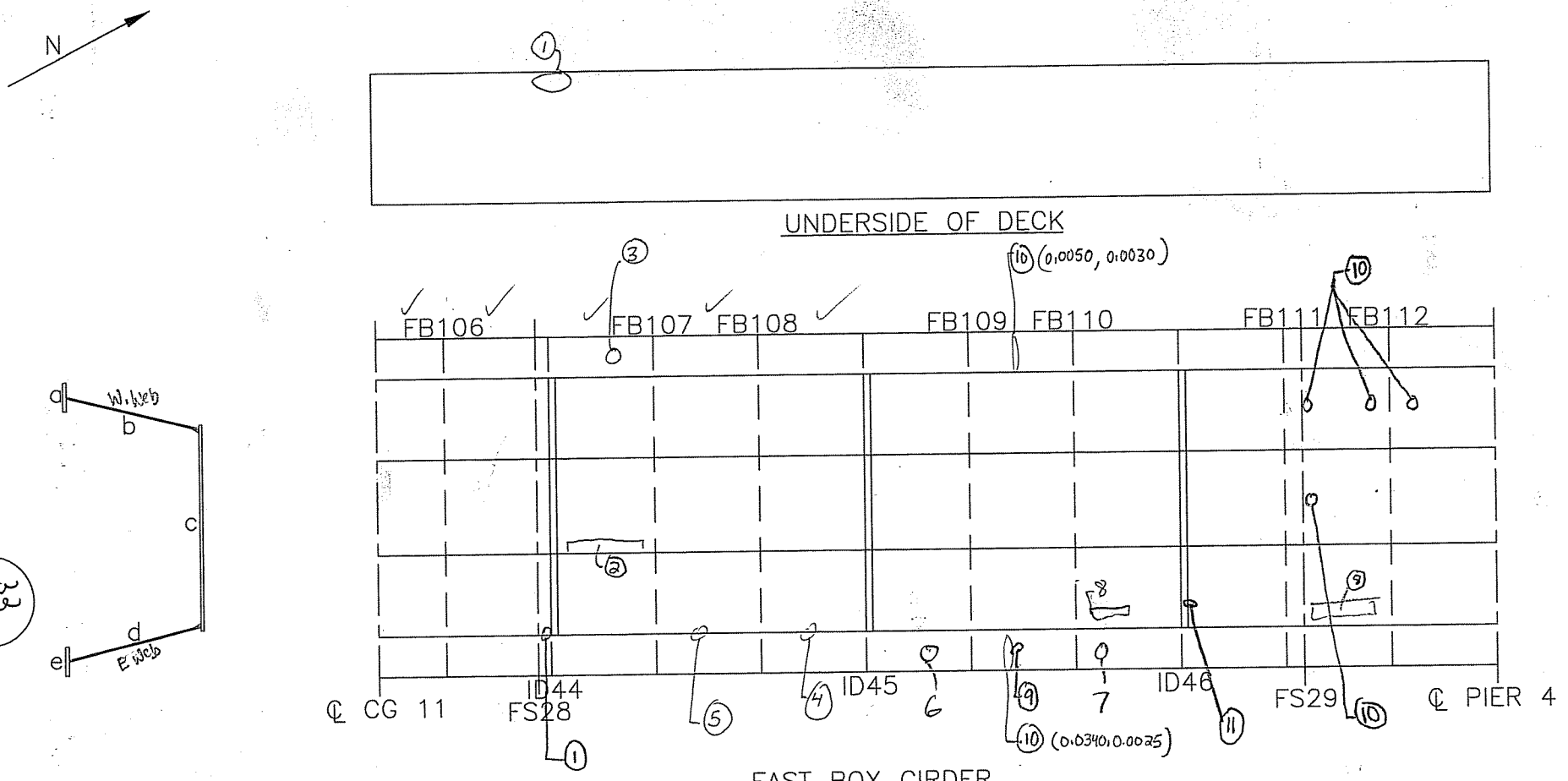
(8) WELD @ TOP OF STIFFENER CRACKED w/ CRACK PROPAGATED ± INTO FLANGE 3/4" NORTH & SOUTH

(9) MISSING CABLE TRAY COVER

⚠ (10) Location of plunger Test, Readings in inches (Max defl down, Max defl up)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 4M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SUB/CRS/CTJ/SGB	3/19/08	1 of 4
ABKC/CTY	4/10/08	of



(1) 3 loose nuts @ splice in deck Rib

(2) Missing cover on section of cable Tray

(3) Gap up to 1/2" @ top flange [C2-338]

(4) 1st Stiff. S. ID45 Crack at top Weld 1/8" prop. between side welds [C2-339-340]

(5) 1st Stiff. N. FB107 Crack at top weld / Prop 3/4" into South Flange [C2-341-342]

(6) E.G., E.ST., 1st stiffner north of ID 45 weld cracked prop. int Flange 1" B.S. [C2-344-349]

(7) 1st Stiff. N. FB110, Crack at top weld prop. B.S., 1" on north, 3/4" on south [C2-346]

(8) Cover missing on cable tray / broken cover

(9) Crack @ top of Stiff N. FB109 E. Web. N. & S. side of St. separate welds but crack propagated in Ft. btwn the 2 welds [C2-347-348]

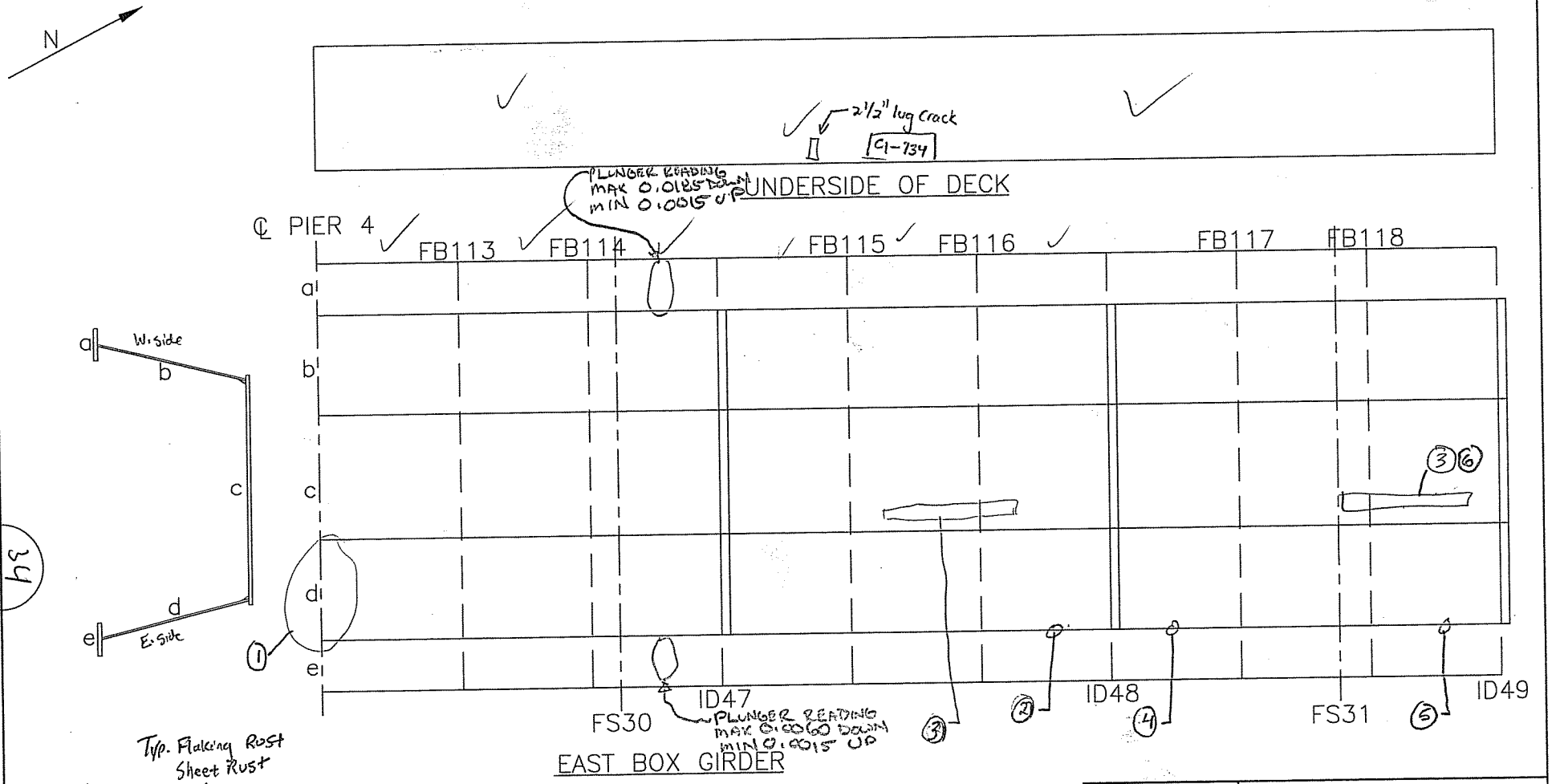
(10) Missing Plug in hole

(11) Missing Weld between N. side ID 46 and Top of 11th long. web Stiff. from bottom [C2-349-350]

⚠ (10) Location of Plunger, Reading in inches (Max defl. down, Max defl up)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 4M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SWB/CRS/CM/SGB	3/19/08	4 of 4
SWB/CRS/CM/SGB BKC/CTY	3/20/08 4/10/08	1 of 3



Typ. Flaking Rust
Sheet Rust

(1) Rat Activity / dead Rat

(2) Crack in Weld South Side of Stiffener (no prop. into FT) E. side @ top

(3) Broken Cable Tray Cover

(4) Cracks in Welds @ top of St. N. ID48 N. & S. Sides E. Side

(5) crack @ top St. S. of ID 49 South side only in weld + prop. into FL ≈ 1/2" E. Side

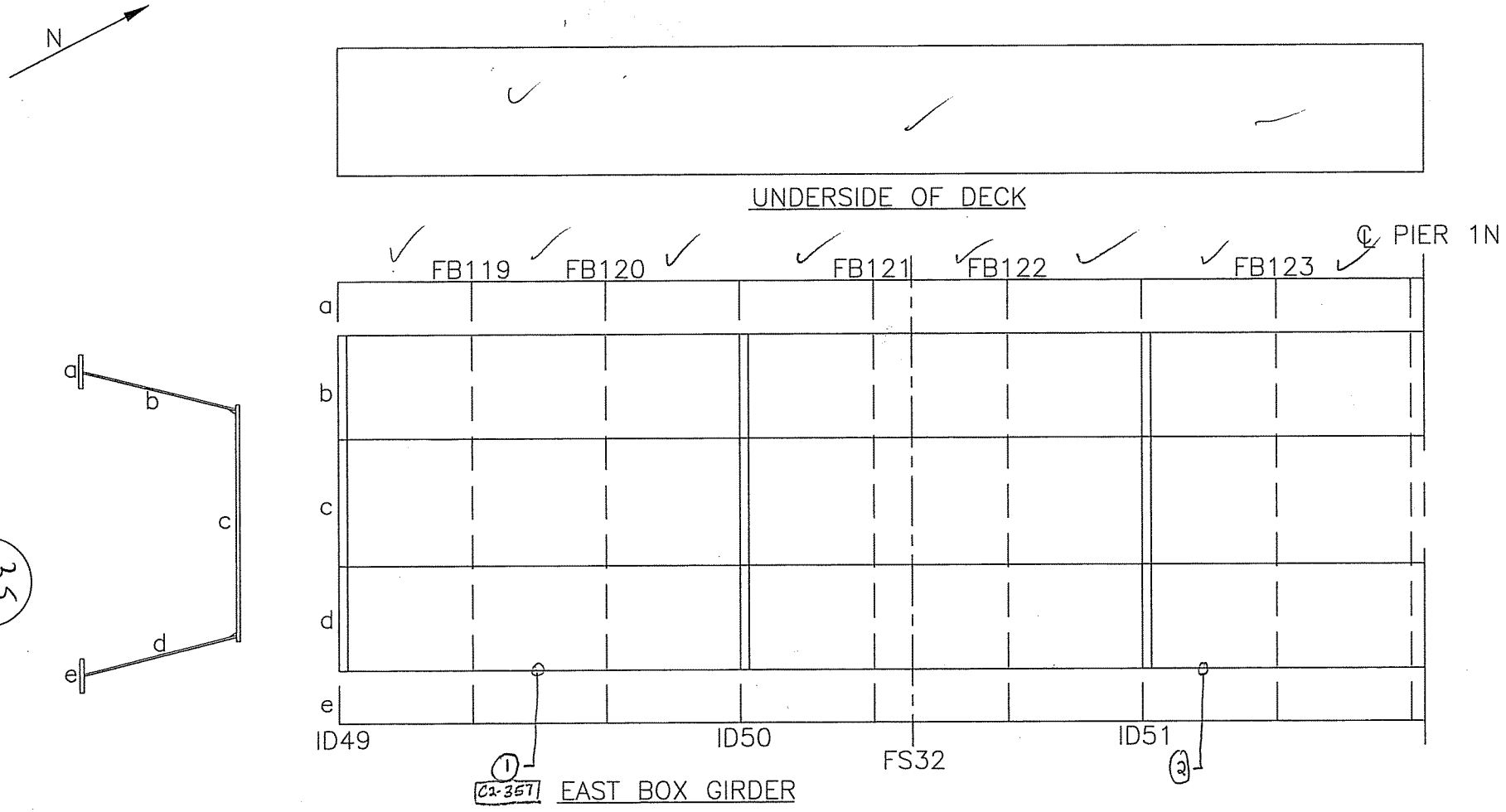
(6) Rats chewed cords in conduit-tray

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems

FRAMING SPAN 5M

JOB: P710070019

CREW:	DATE:	SHEET:
SGB/CTY	3/20/08	3 of 3
SGB/CTY/WRW	3/21/08	1 of 2
BKC, SMD	4/9/08	



35
333

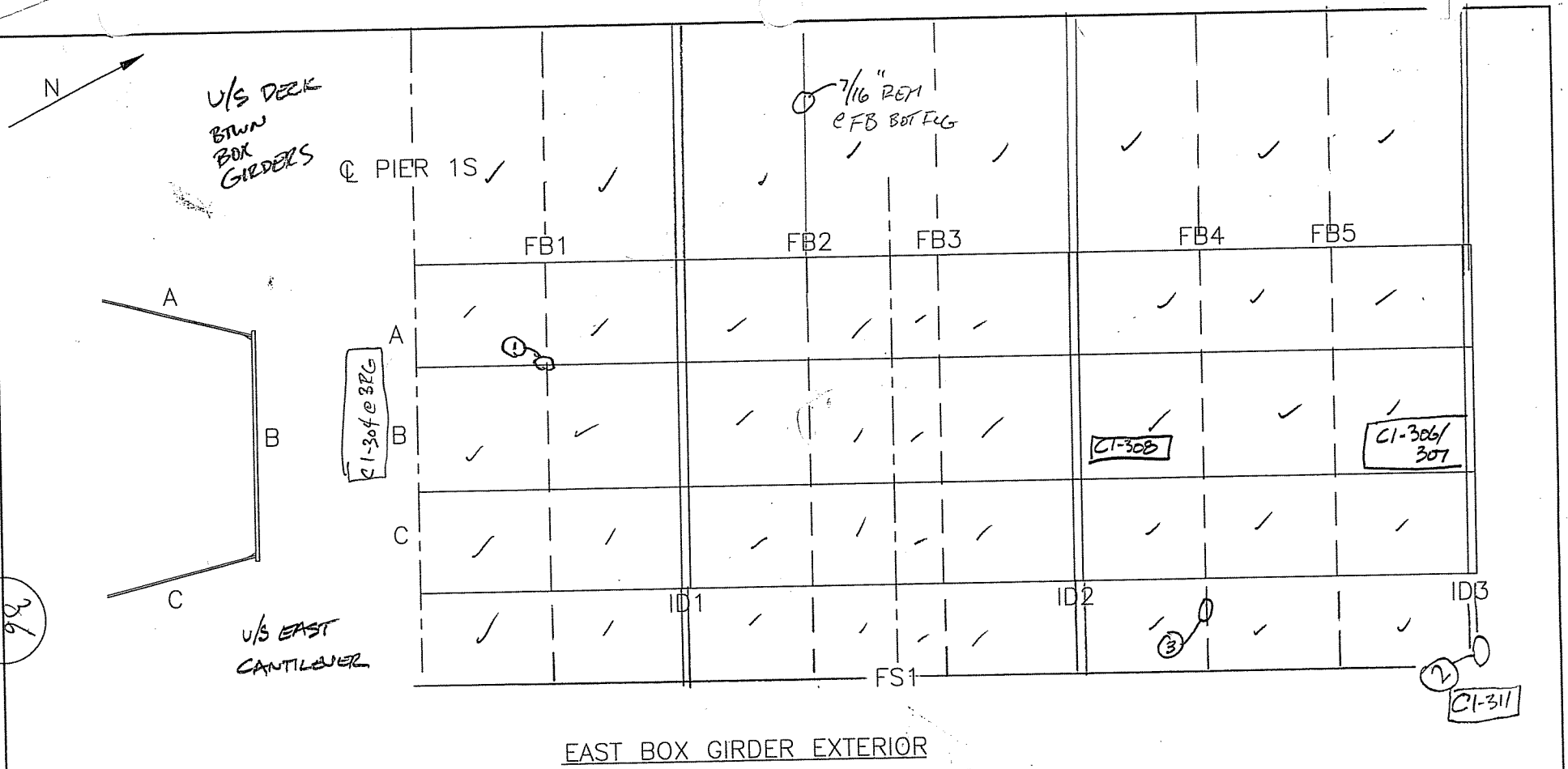
Typical flaking rust / sheet rust on floor from web all bays

(1) CR. in Weld @ top of St. Prop into F 1" S., 1/2" N. side E. side C2-357

(2) CR. in Weld @ top of St. (horseshoe shape)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	Tran Systems
FRAMING SPAN 5M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SGB/CPY/WRW	3/21/08	2 of 2
		of



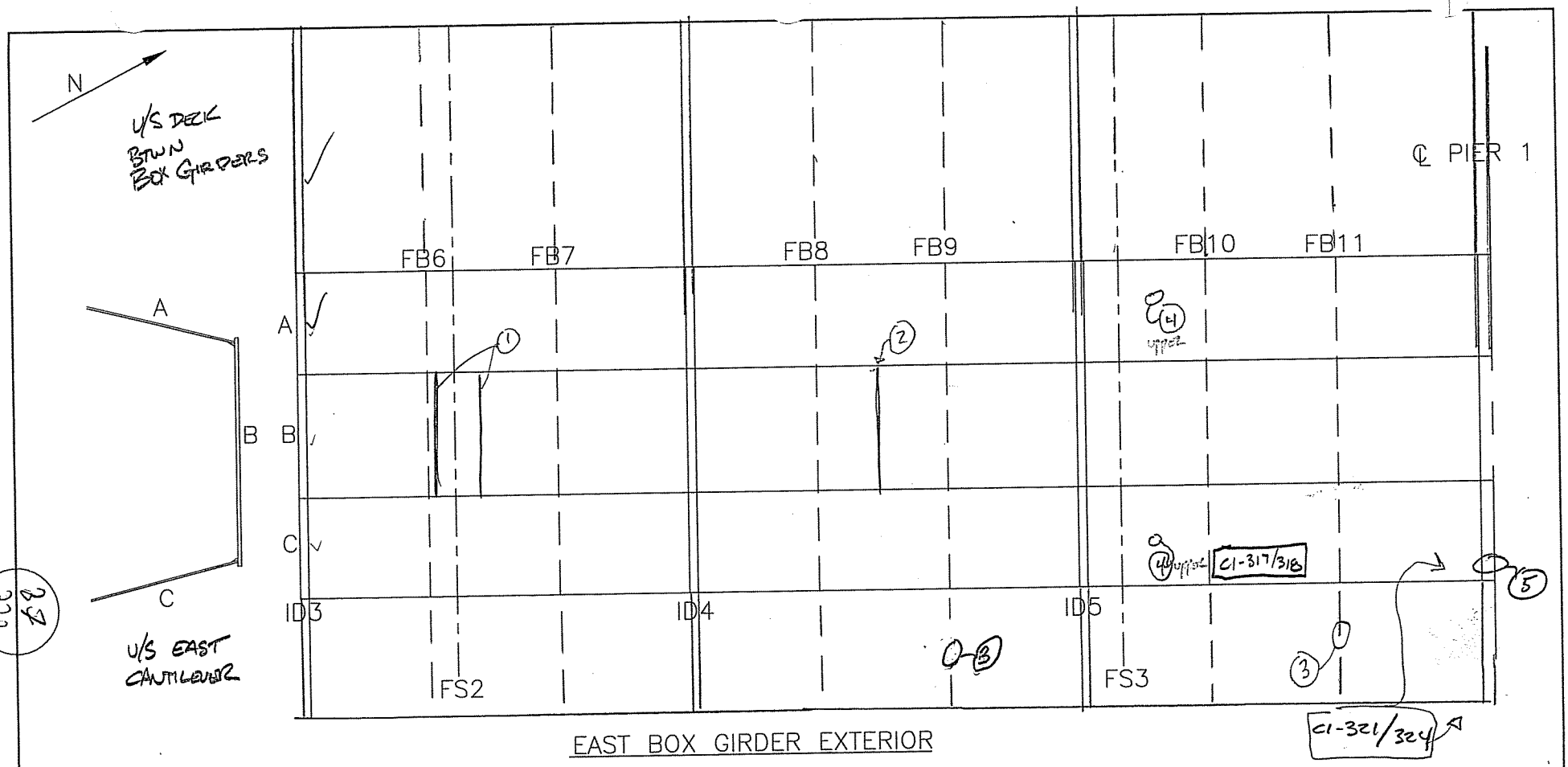
EAST BOX GIRDER EXTERIOR

① 2" WIDE x 5/8" DEEP GOUGE IN OUTSTANDING PART OF BOTTOM FLANGE PLATE C1-305

② GAP IN WELD FB WEB / TOP FLANGE ! SIGNS OF LEAKAGE C1-311/312

③ MISALIGNMENT @ BOTTOM FLANGE OF FLOORBEAM @ SPLICE C1-309

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 1M	
JOB: P710070019	
CREW: SWB (w/ OPER)	DATE: 3/17/08
	SHEET: 1 of 4
	of



EAST BOX GIRDER EXTERIOR

(1) WELDED BOT. FLG TRANSITION 60"+/- FROM SPLICE (FROM 7/8" TO 1"), IN GOOD COND.

(2) WELDED BOT. FLG. TRANSITION FROM 7/8" TO 1/2", IN GOOD CONDITION

(3) BOTTOM FLANGE OF FB9 BENT @ EAST EXTERIOR SPLICE C1-314/315

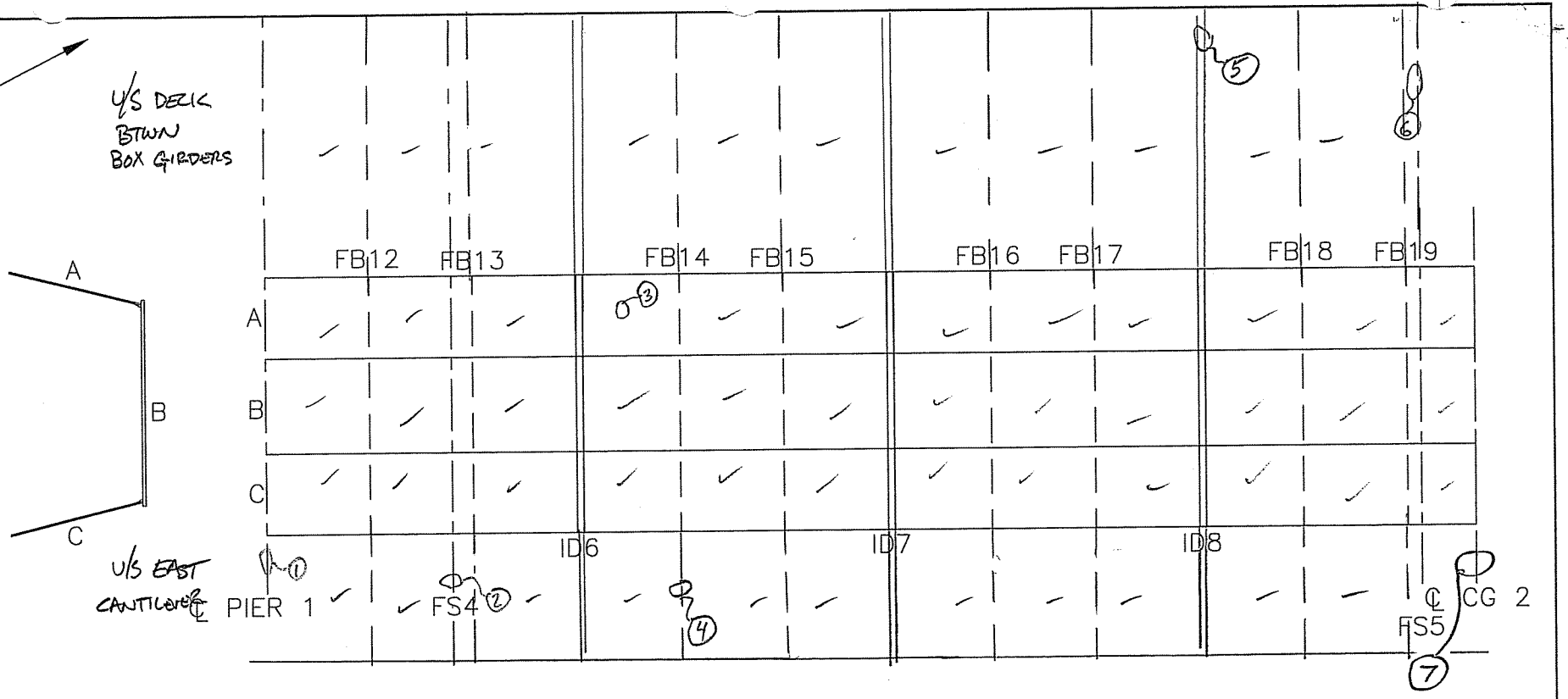
" " " FB11 " " " " " C1-316

(4) PREVIOUS CRACK IN GIRDER WEB @ SPLICE, FULLY ARRESTED W/ DRILLED HOLE C1-317/318

(5) GAP @ UPPER DIAGONAL PLATE @ CROSS GIRDER TO GIRDER CONNECTION C1-319/320

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 1M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SWB	3/19/08	2 of 4
		of



EAST BOX GIRDER EXTERIOR

(1) DEBRIS COLLECTED @ GIRDER/CROSS GIRDER CONNECTION C1-325

(2) MISSING SCREEN @ DECK RIB @ SPLICE

(3) TWO DENTS 2" LONG x ½" WIDE x UP TO 1/16" DEEP C1-326/327

(4) TWO VOIDS IN WELD @ FB WEB / TOP FLANGE 1x1" & 1x½" C1-228

(5) SIGNS OF LEAKAGE @ WEST SPLICE BTWN GIRDERS C1-329/330

(6) TWO MISSING SCREENS @ DECK @ SPLICE

(7) ¼" LOSS TO CROSS GIRDER @ CROSS GIRDER TO E.B.G CONNECTION, SEE SKETCH. C1-331/334

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

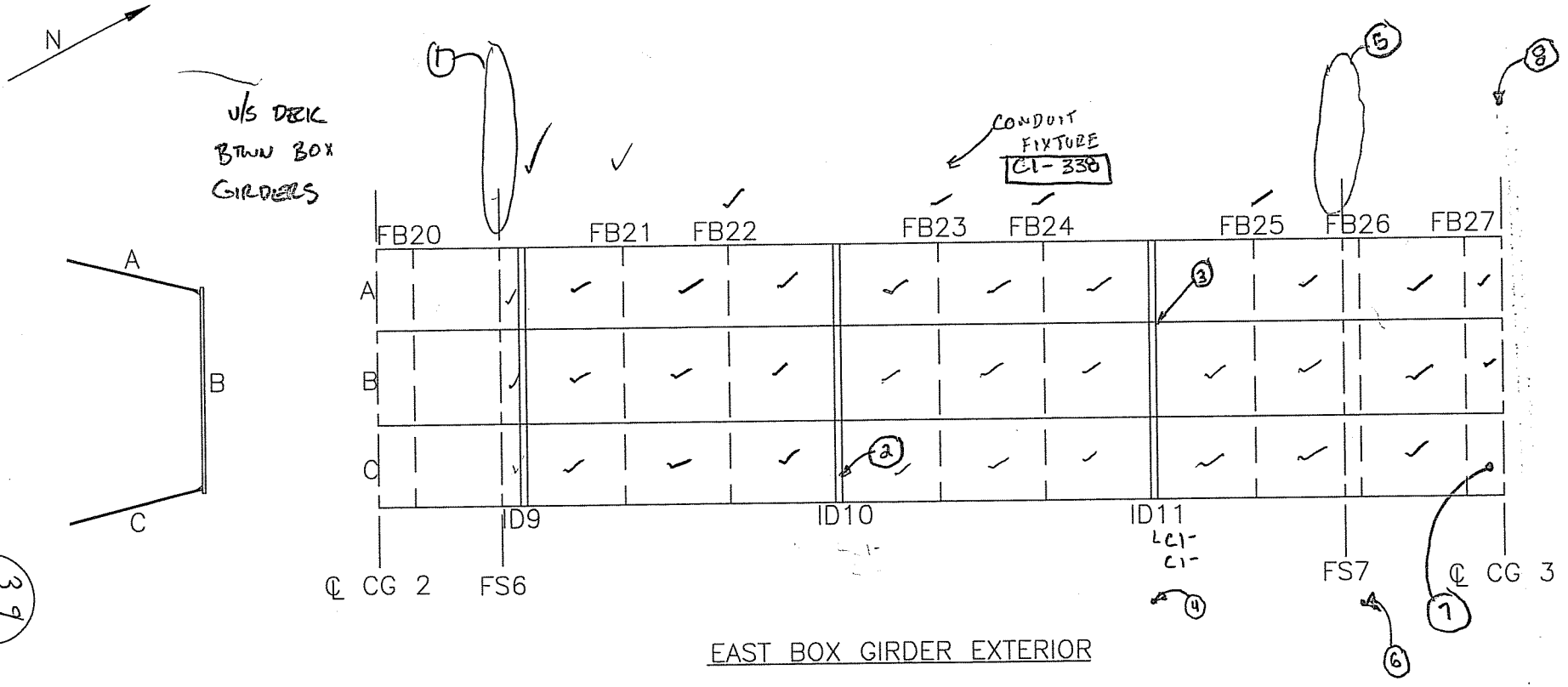
NOTES BY: TranSystems

FRAMING SPAN 2M

JOB: P710070019

CREW:	DATE:	SHEET:
SWB	3/17/08	3 of 4
		of

383



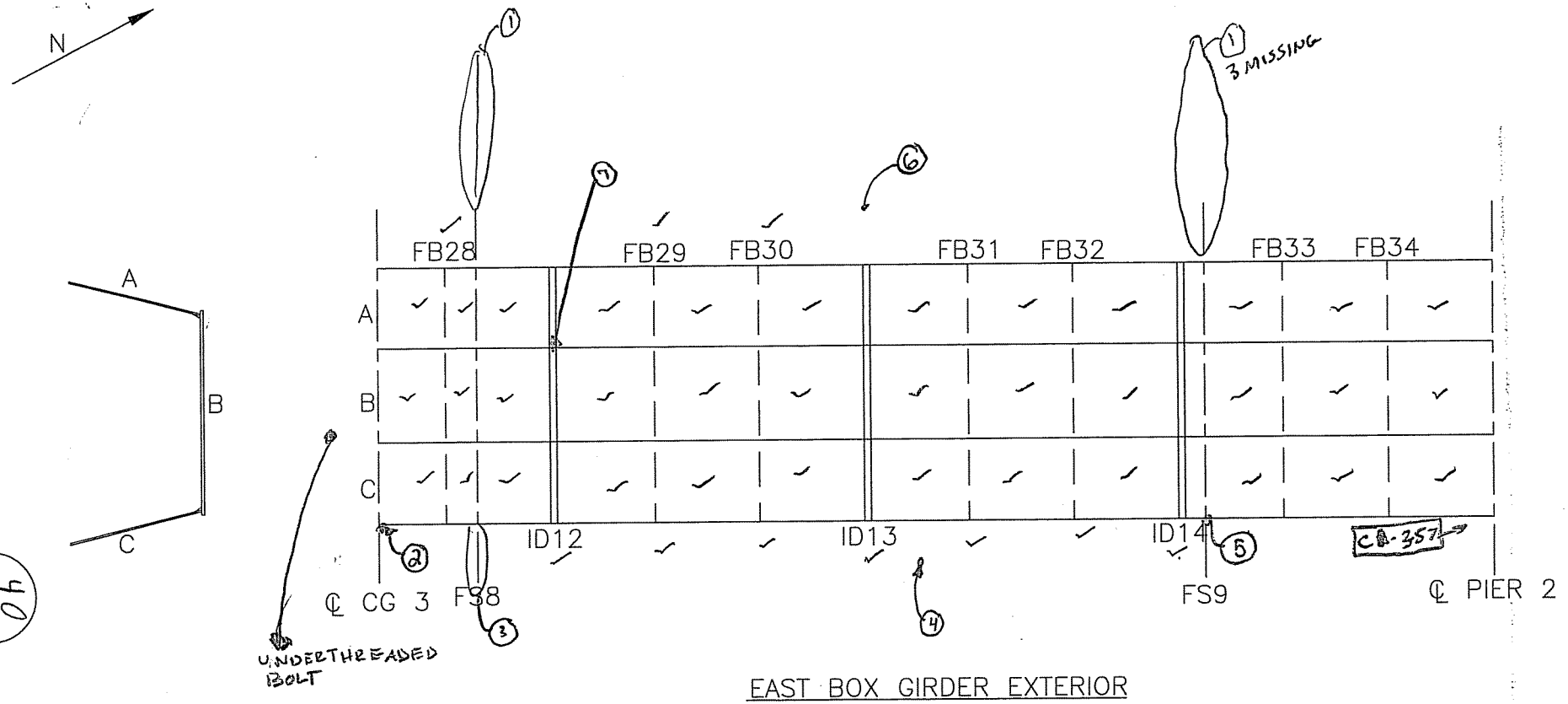
EAST BOX GIRDER EXTERIOR

37
333

(1) 6 of 8 SCREENS MISSING @ DECK RIBS @ SPLICE
(2) MINOR SHEET RUST AT HORIZONTAL STIFF. ON NORTH SIDE
(3) UP TO 1/4" I.R AT U/S FLANGE - ID11 SPLICE W/ 4 MISSING BOLTS C1- /
(4) CONST. DENT 1/8" BEND AT BOTTOM FLANGE AT FB/ID 11
(5) 1 of 8 SCREENS MISSING @ DECK RIBS @ SPLICE
(6) UP TO 1/8" BEND AT COVER PLATE W/ I.R. AT BOTTOM FLANGE (TYP) C1-
(7) 5/8" LONG CRACK AT INTERIOR OF ARREST HOLE C1- /
(8) SURFACE RUST W/ EFFLO AT CENTER OF CG3 AT SPLICE C1-
(9) 2 MISSING NUTS NEAR CG3 AT ANGLE GUSSET

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 2M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SWB/CRS	3/20/08	1 of 2
		of



EAST BOX GIRDER EXTERIOR

(1) 5 OF 8 PIGEON CAGES MISSING FROM RIBS OF DECK AT SPLICE

(2) 5/16" I.R. AT CG3 CORNER/SPLICE AT EAST WEB C1- /

(3) 2 OF 4 PIGEON CAGES MISSING FROM RIBS OF DECK AT SPLICE

(4) I.R. AT U/S DECK SPLICE PLATE C1-

(5) 3 UNDERTHREADED BOLTS W/ I.R. AT FS9 NEAR EAST WEB C1-

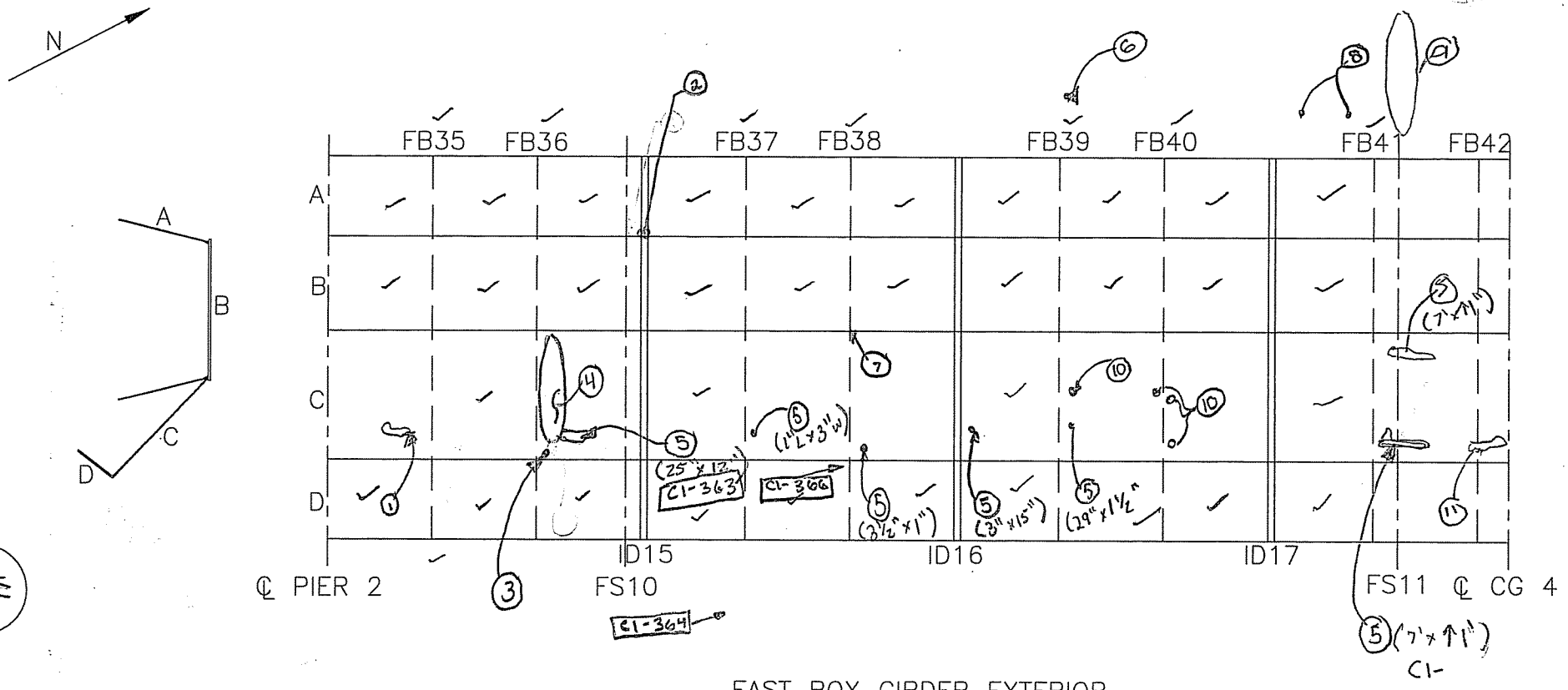
(6) SHEARED OFF BOLT AT BOTTOM FLANGE @ ID18 C1-

(7) 1/4" I.R. AT ID17 SPLICE W/ BOTTOM FLANGE E. GIRDER ; WEST WEB

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 2M	
JOB: P710070019	

CREW:	DATE:	SHEET:
CRS	3/20/08	2 of 2
		of

333 40



EAST BOX GIRDER EXTERIOR

(10) MULTIPLE THRU HOLES UP TO 3/4" Ø

(11) 100% LOSSES UPTO 1½" H x 3" L

(1) 100% LOSS 32" L x UPTO 5" HIGH C1-359

(2) 1/4" IR. AT DIAPHRAM - BOTTOM FLANGE OF BOX GIRDER PLATE (TYP)

(3) 2 CRACKS NEAR FB36 BRACING - BACK OF BOX GIRDER 1½" L & 3/4" L

(4) MULTIPLE THRU HOLES UP TO 1½" Ø C1-362 UP ALONG FB36

(5) 100% LOSS (#" L x #" H)

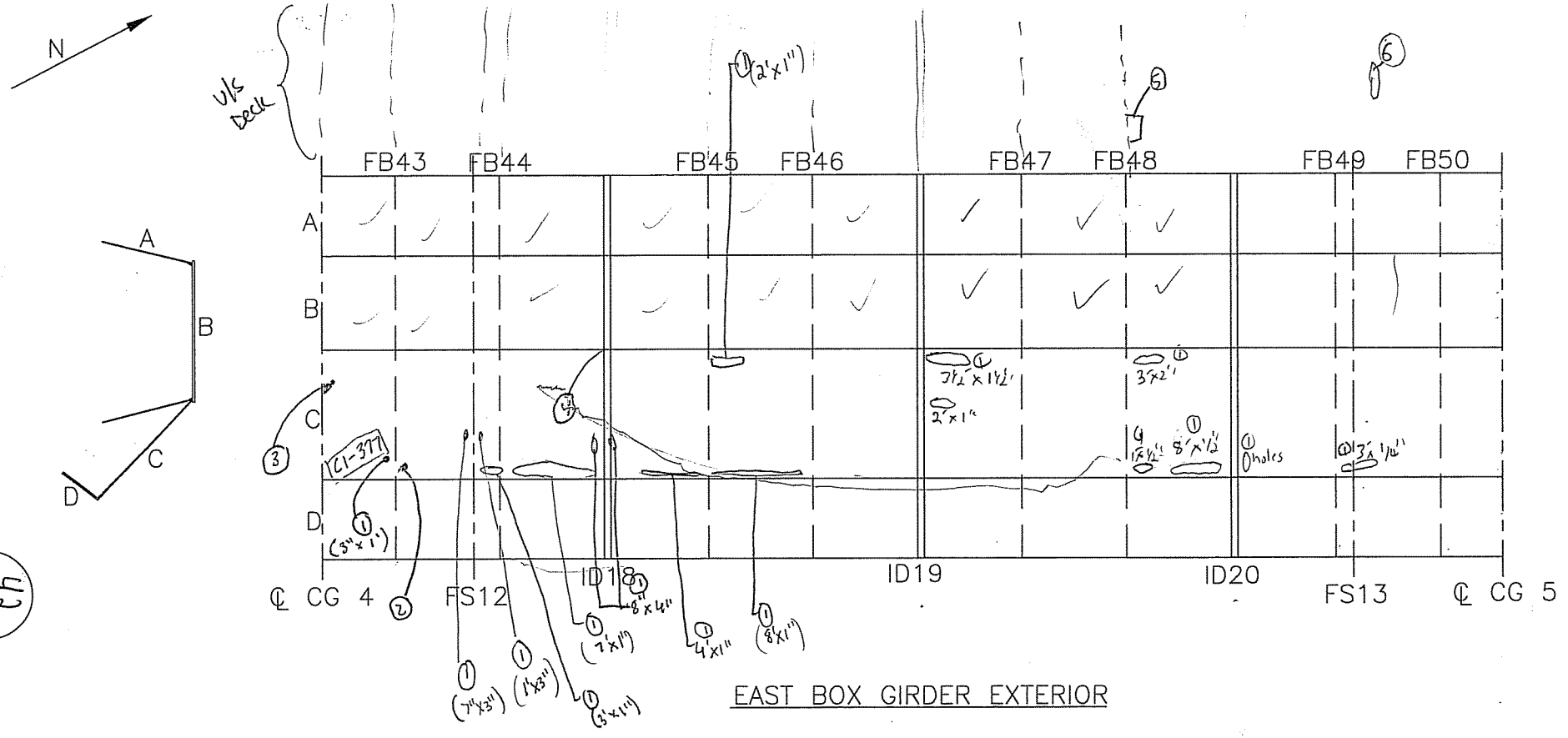
(6) 3/16" IR AT BOTTOM COVER PLATE AT FB 39 AT BOTTOM FLANGE C1-365

(7) BENT CORNER OF WIND FERRING AT GIRDER BASE C1-367

(8) 1/4" SCREW HOLE ON U/S DECK W/SURFACE RUST C1-368

(9) 3 OF 8 PIGEON CAGES MISSING FROM U/S DECK RIBS AT FS11

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS	3/21/08	of
		of



EAST BOX GIRDER EXTERIOR

(1) 100% LOSS (#'L x #'W) (TYPICAL)

(2) SEVERAL THROUGH HOLES UP TO 3/4" ∅

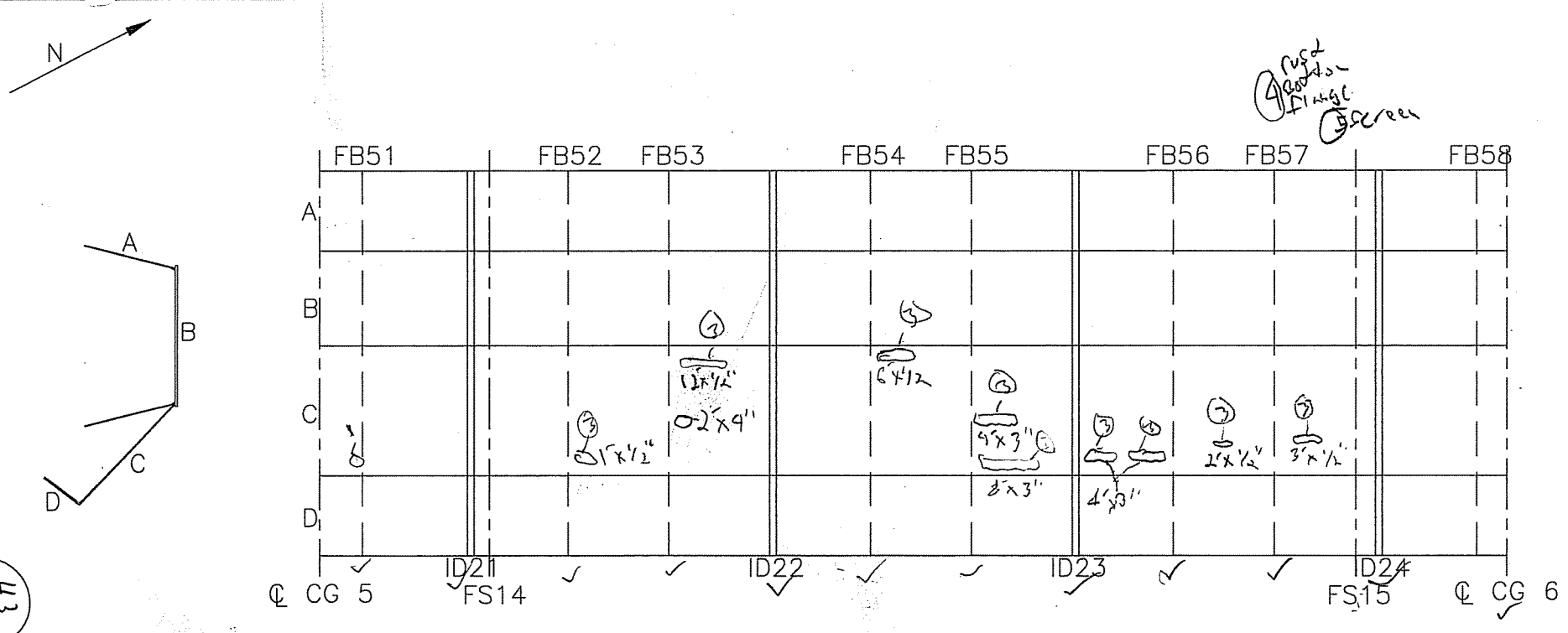
(3) 3/4" IMPACTED RUST AT SPLICE PLATE NEAR CG4 & EAST WIND FERRING (CI-378)

(4) 1/4" I.R. AT ID18 - BOTTOM FLANGE OF E.B.G. SPLICE PL

(5) 1/8" I.R. at FB48 North Face bottom FL

(6) missing 3 varmint screens on ribs of deck splice

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
CTY, SGB	3-22-08	of
WRW,		of



EAST BOX GIRDER EXTERIOR

⑥ missing bolts on plate. C1-380

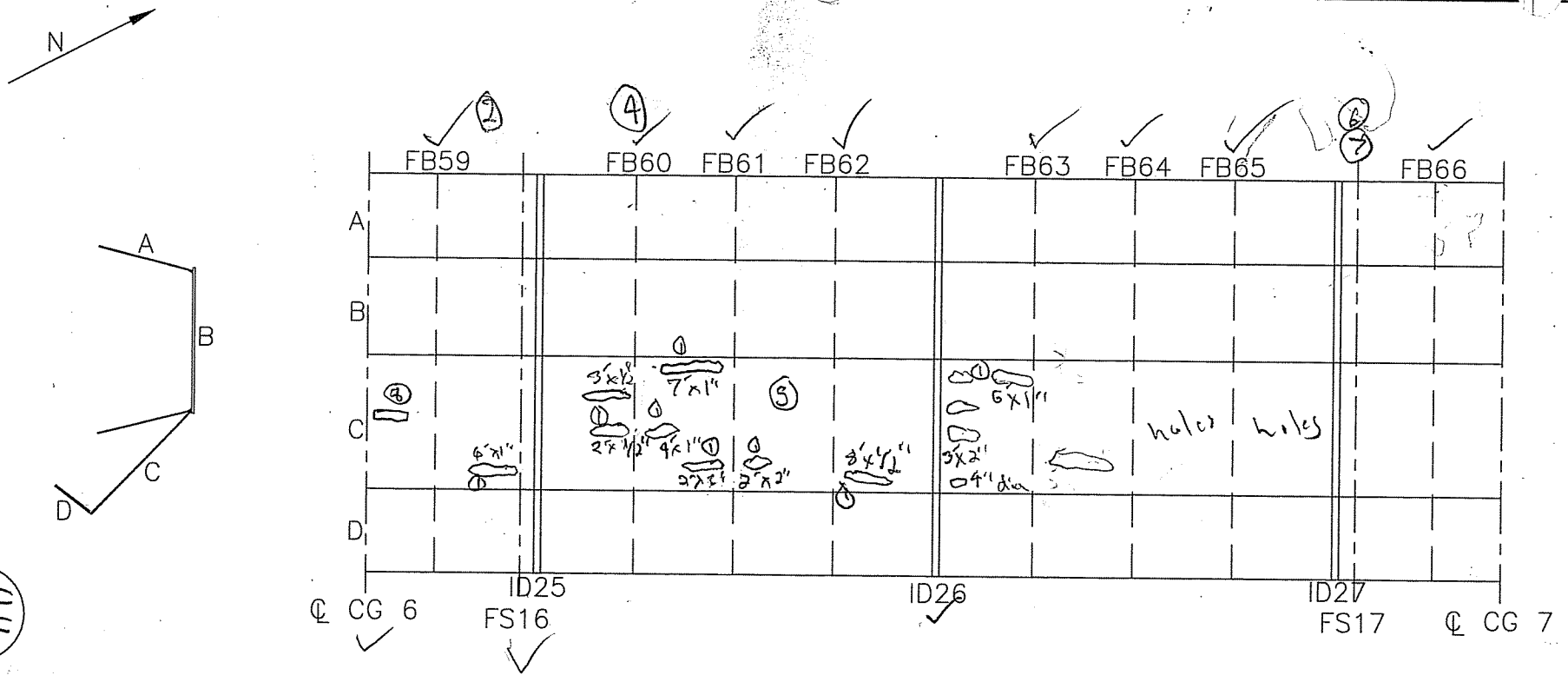
② 5/8" loss splice plate East connection plate FB 52 C1-381 Bottom flange

③ Rust on fencing 100% loss (length x width) typical

④ 3/16" loss on East connection plate on FB 57 C1-382 Bottom flange

⑤ Missing 4 screens on Deck rib connection splice.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
SGB	3/24/08	4 of 4
		of

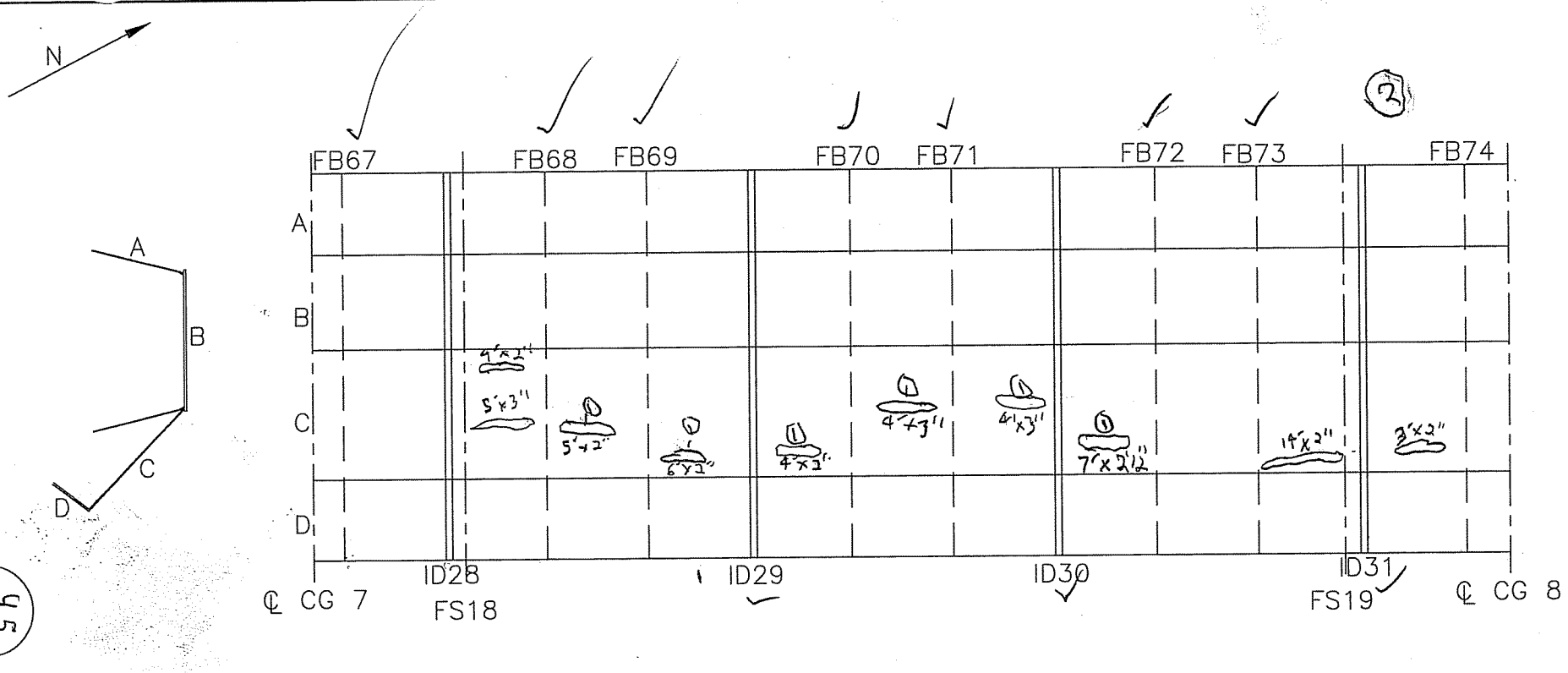


EAST BOX GIRDER EXTERIOR

① Rust on ferring 100% loss
② Missing 3 varmit screens on deck rib splice connection. FS16
③ Deck splice plate overlaps another plate [C1-383]
④ Misaligned connection on E. plate of FB60 [C1-384]
⑤ Wind ferring damaged [C1-385]
⑥ 1/8" loss on deck splice plate [C1-386]
⑦ ID27 bolts on splice plate rusted to no threads [C1-387]
⑧ Plate on ferring, loss around edges [C1-388]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	Trail Systems
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SGB	3/29/08	3 of 4
		of



EAST BOX GIRDER EXTERIOR

45
333

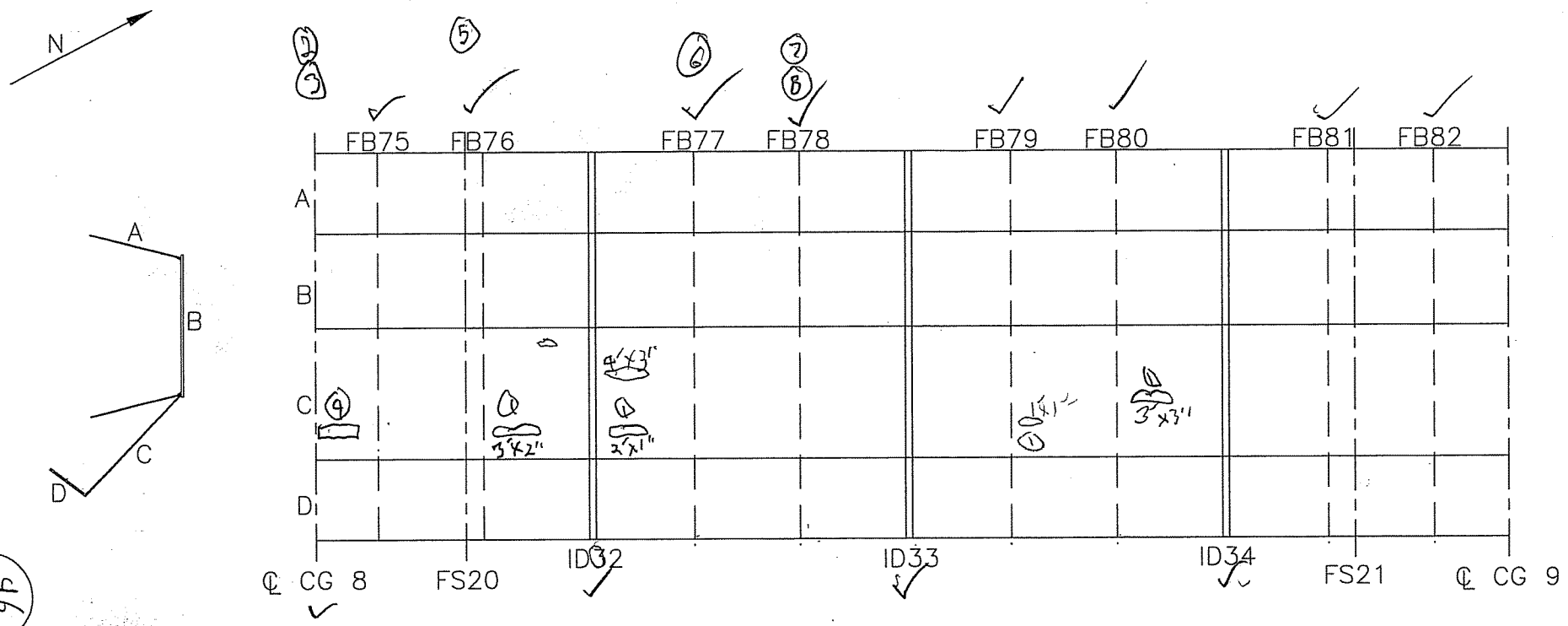
① 100% loss on ferring (Length x Width) typical

~~② Plate on farring, loss around edges C1-388~~

~~③ FS 16 deck rib missing 3 varnit screens, splice connection~~

② ④ Bracket for deck, gap on nut and plate C1-389 short bolts

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
SGB	3/29/08	2 of 4
		of

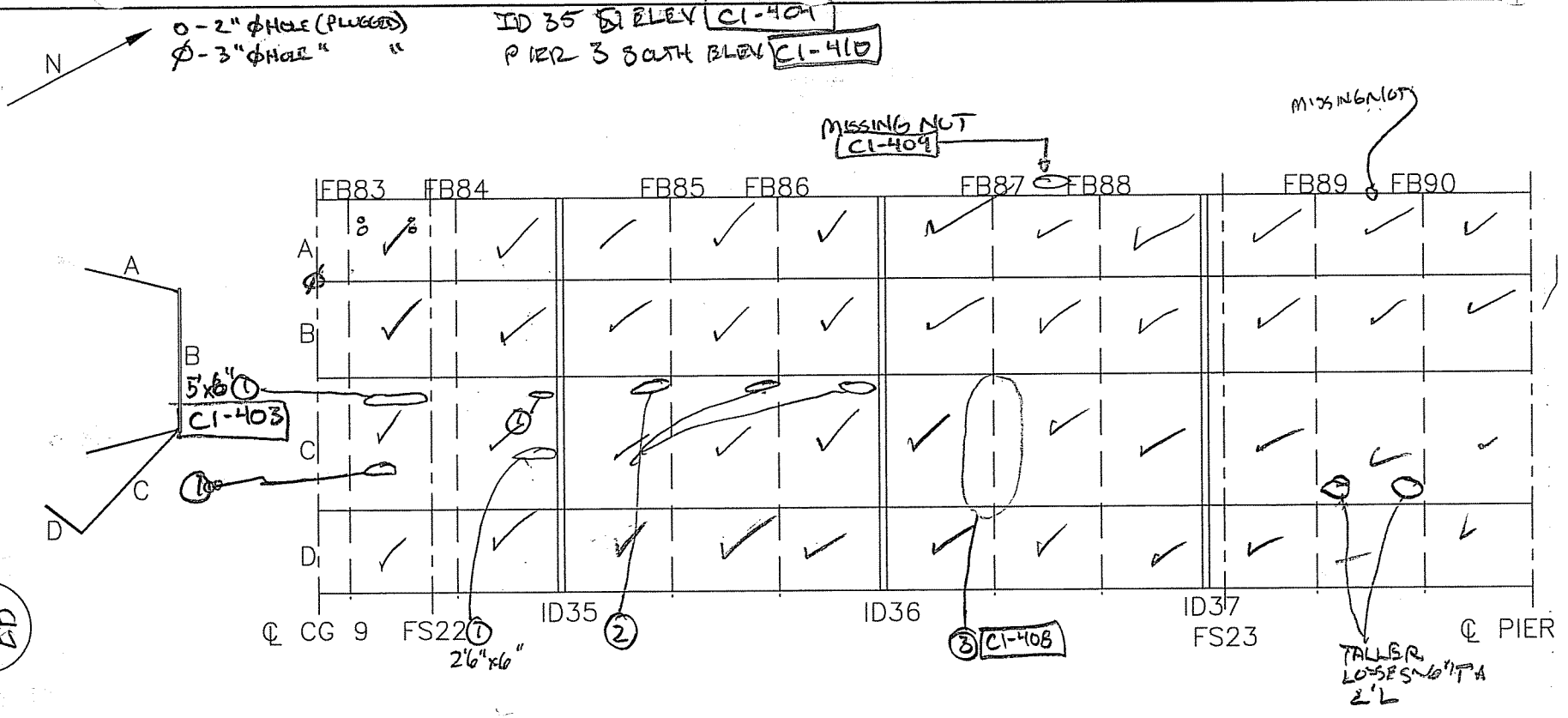


EAST BOX GIRDER EXTERIOR

46
333

① 100% loss
② Gap in caulking around cables C1-390
③ Caulk around cables cracking C1-391
④ Plate has a lot of loss around edges C1-392
⑤ Missing 4 varmit screens deck rib connection FS 20
⑥ FB 77 missing nut on bracket to deck C1-393
⑦ FB 78 missing bolt on splice plate C1-394
⑧ Missing nut, deck splice plate bolt
⑨ FS 21 deck rib connection, missing 1 varmit screen

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
SGB	3-24-08	1 of 4
		of



EAST BOX GIRDER EXTERIOR

TYP. BOLT COND. C1-405/406 THREADS VISIBLE/BUT SIGNS OF LOSS

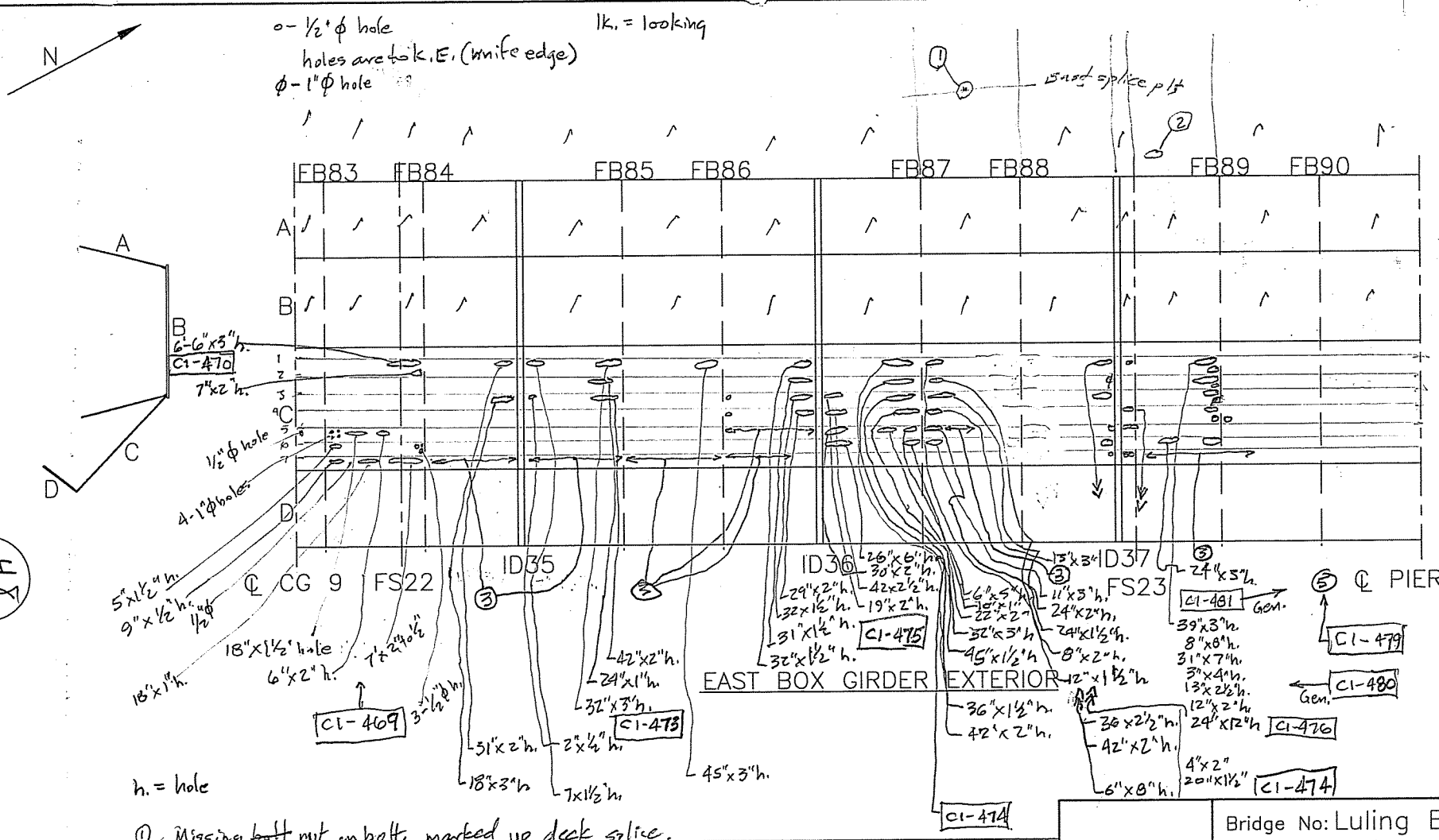
① 100% SEC. LOSS

② 100% SEC. LOSS FOR APPROX 2'6" x 3", TYP BY BOT & FB C1-407

③ 100% SEC LOSS FOR APPROX 2'6" x 3", TYP ALONG LONG STIFF AT FB C1-408

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
BHC, JHR	3-25-08	2 of 3
		of



① Missing bolt nut on bolt. marked up deck splice.

② Missing bird screen C1-468

③ General cond. of small ½" or < ϕ holes at rib btws. FB's and/or ID's C1-471 C1-472

④ Top of ferring D lk s to CG. 9 C1-477

⑤ Rusting at end FB90 Ferring Connections. C1-479

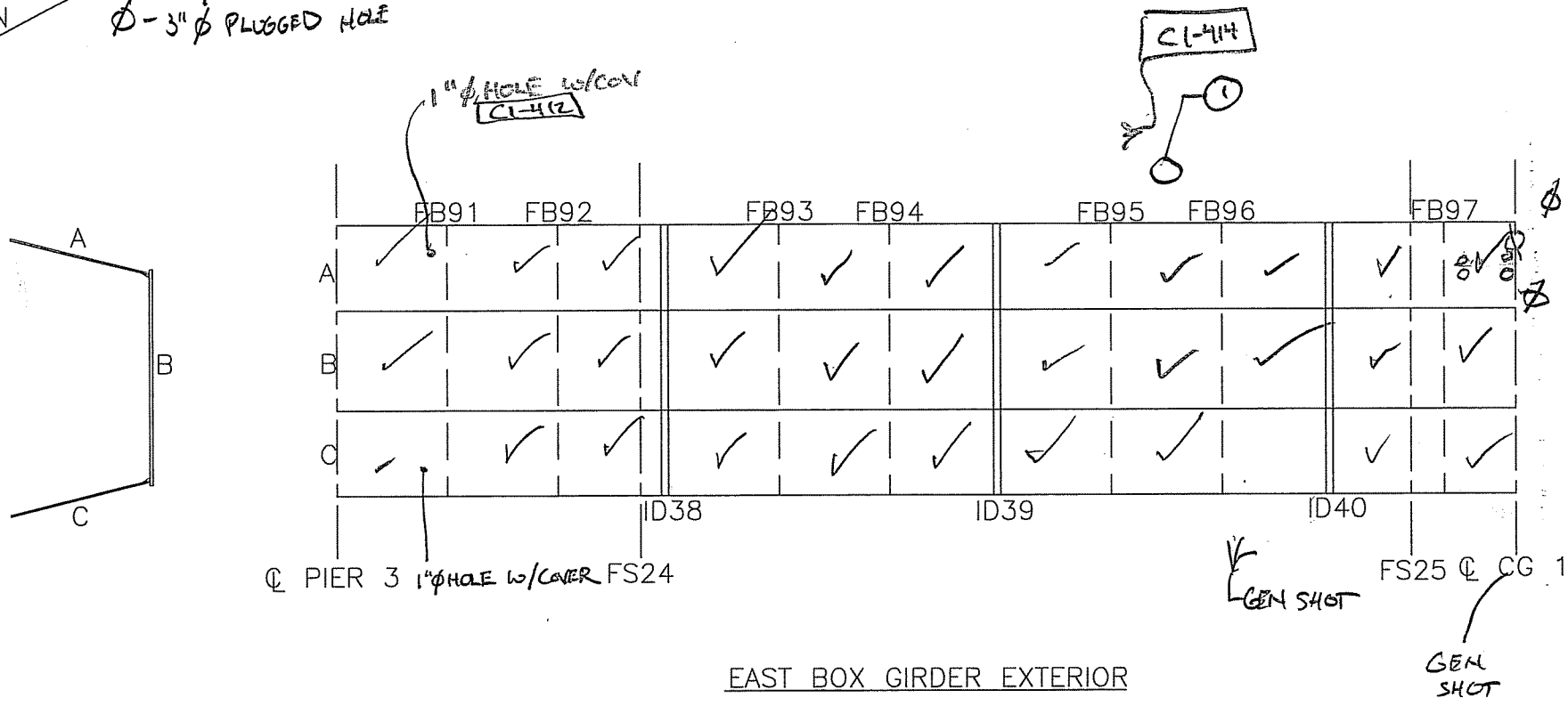
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
JHR	3/20/08	1 of 3
		of

33 47

N

O - 2" ϕ PLUGGED HOLE
ϕ - 3" ϕ PLUGGED HOLE



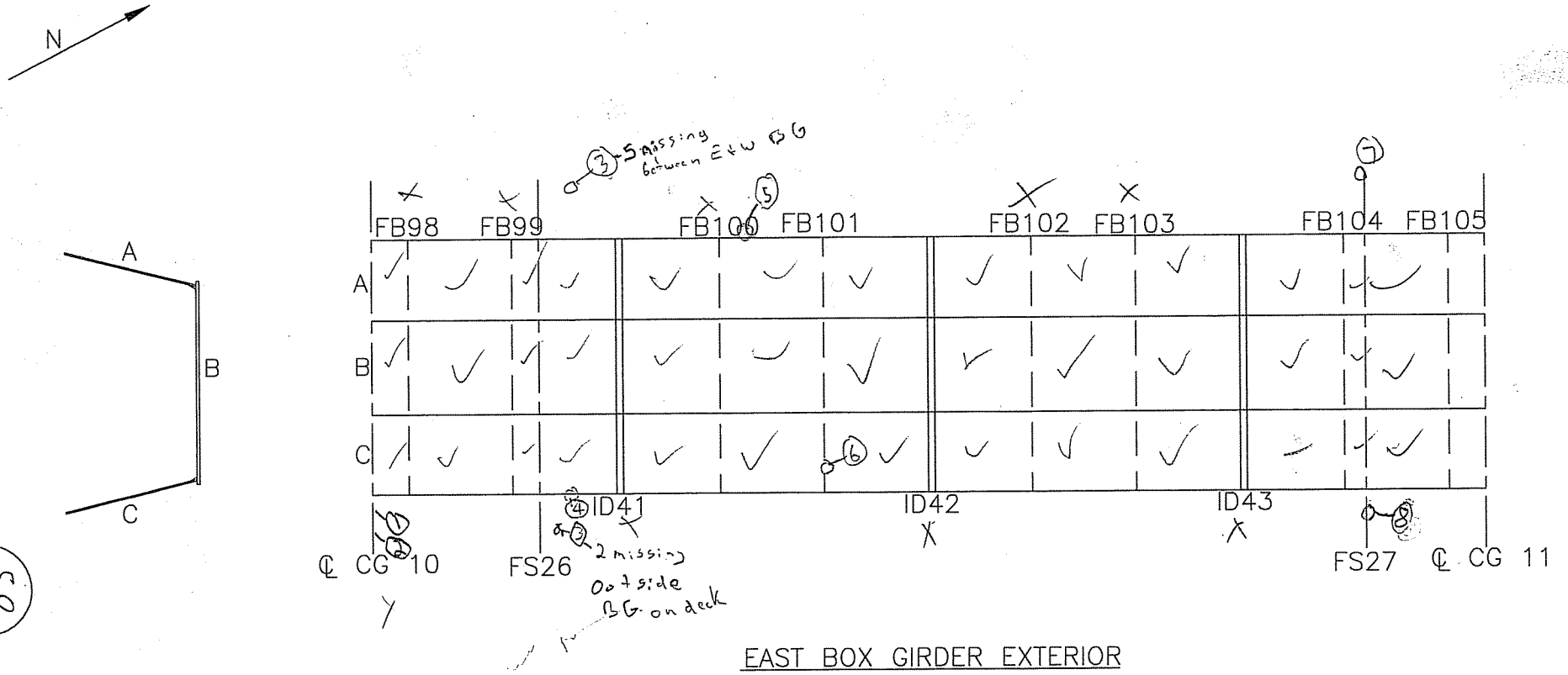
EAST BOX GIRDER EXTERIOR

49
333

NELEY FB95 C1-414
N. ELEY FB91 C1-411

(1) BRACKETS w/ BOLTS FROM DECK C1-413
(2) PLUGGED HOLE (MISSING BOLT) IN TOP FL KNEE BRACE CONN.

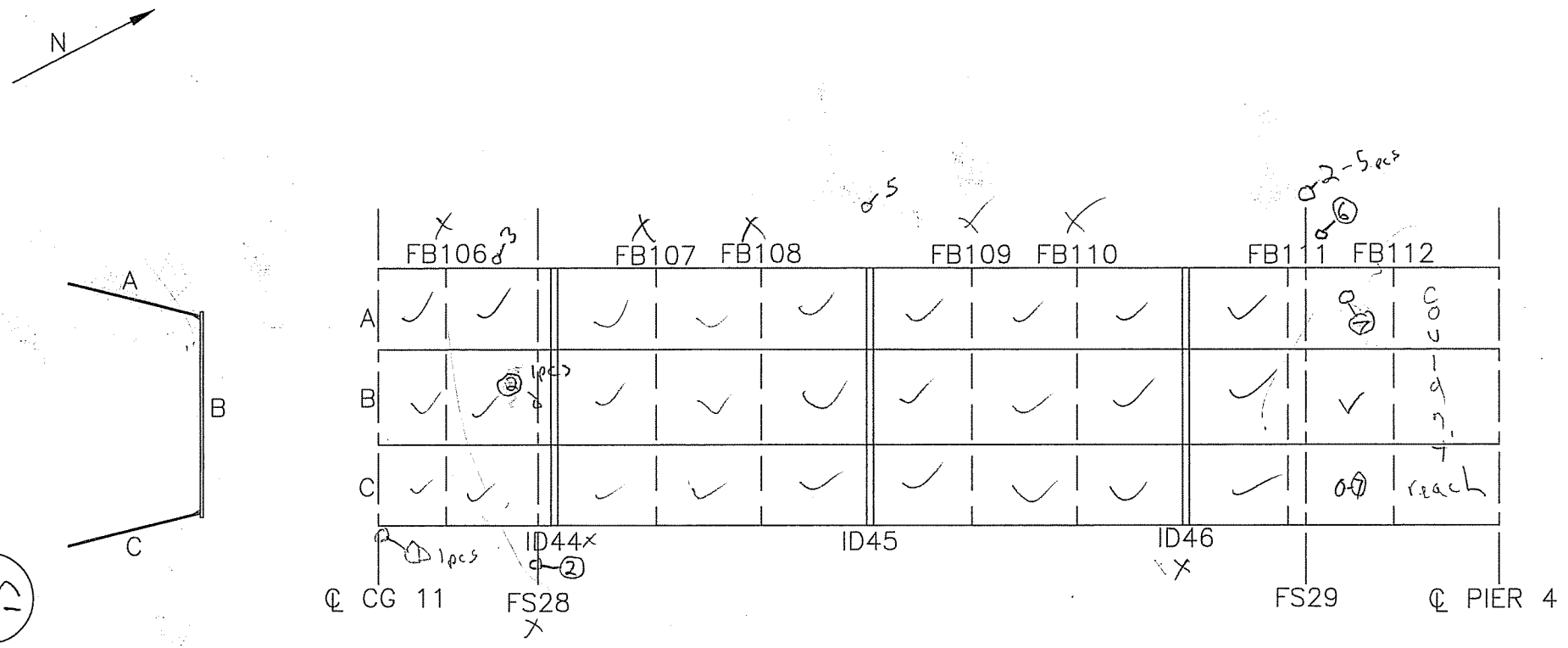
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 4M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BMC, JHR	3-25-08	3 of 3
		of



EAST BOX GIRDER EXTERIOR

(1) CG10 missing bolt bottom flange [C1-431]
(2) P.R. bottom of CG10 and flange connection [C1-432]
(3). Missing 7 varmit screens on deck rib N. of FS26
(4). missing 2 nuts out side bracket [C1-433] and heavy corrosion.
(5) missing 1 not on bracket E. of BG, N FB100 to connect BG to deck [C1-434]
(6) " " → N FB101 to connect FB to deck [C1-435] 1/8" Gap B to F
(7) missing 2 varmit screens on deck rib FS27 between E & W BG
(8) " 1 " " " FS27 E.S. of BG

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
FRAMING SPAN 4M		
JOB: P710070019		
CREW:	DATE:	SHEET:
$60/operator	3/26/08	of
		of

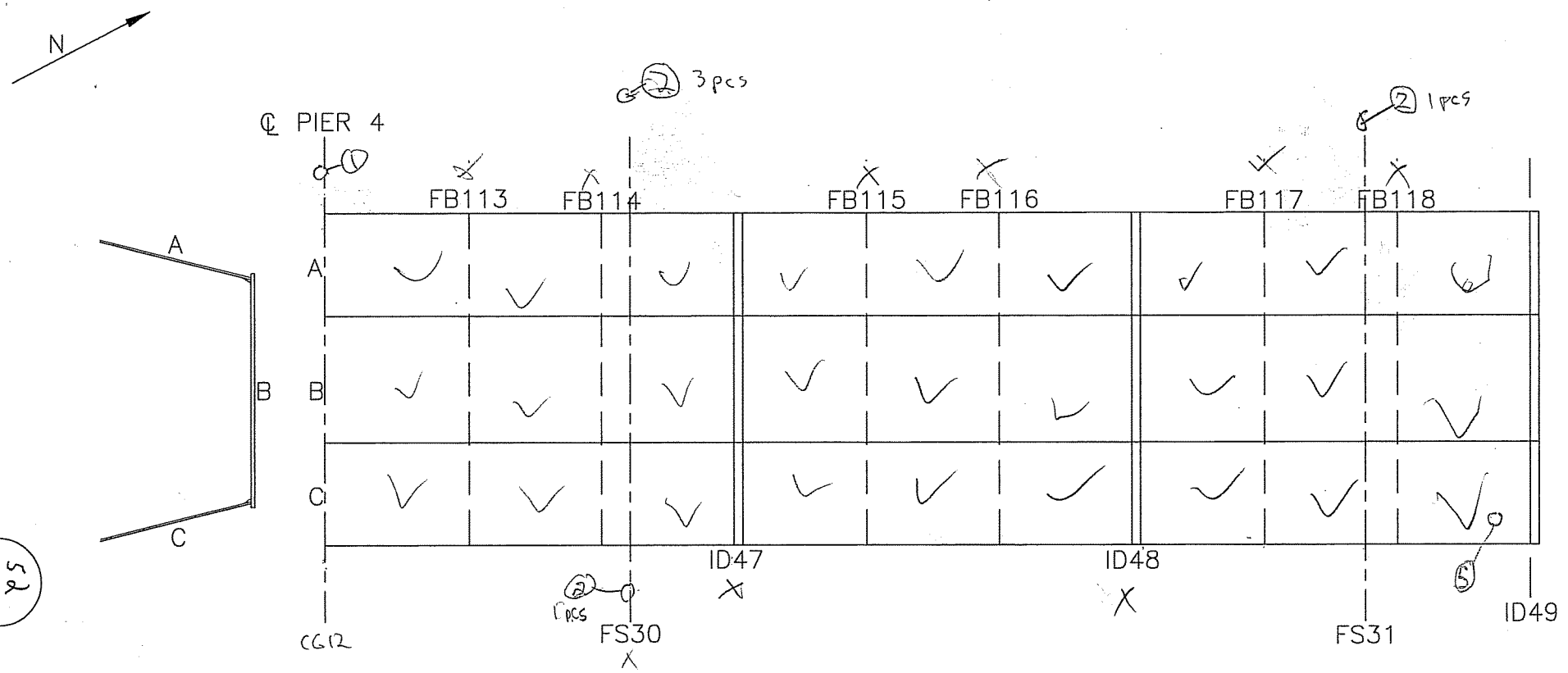


EAST BOX GIRDER EXTERIOR

① Moisture build up F. CG11 top near E from BG [C1-459]
② Rib on deck missing varmit screen F.
③ Crack arrest hole W.S. BG connection from CG11 [C1-460] possible existing crack
④ FS28, F.S. misalignment on box girder [C1-461] approx. 5/8"
⑤ P.R. ID45 E. splice 1st ST. from bottom [C1-462]
⑥ W.S. BG 1" N. FS 29 missing plug @ lon. BG splice [C1-463]
⑦ B.S. BG below FB 112, hole in wall w/bolt [C1-464]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 4M		
JOB: P710070019		
CREW:	DATE:	SHEET:
SGB	3/27/08	1 of 2
		of

S1
333

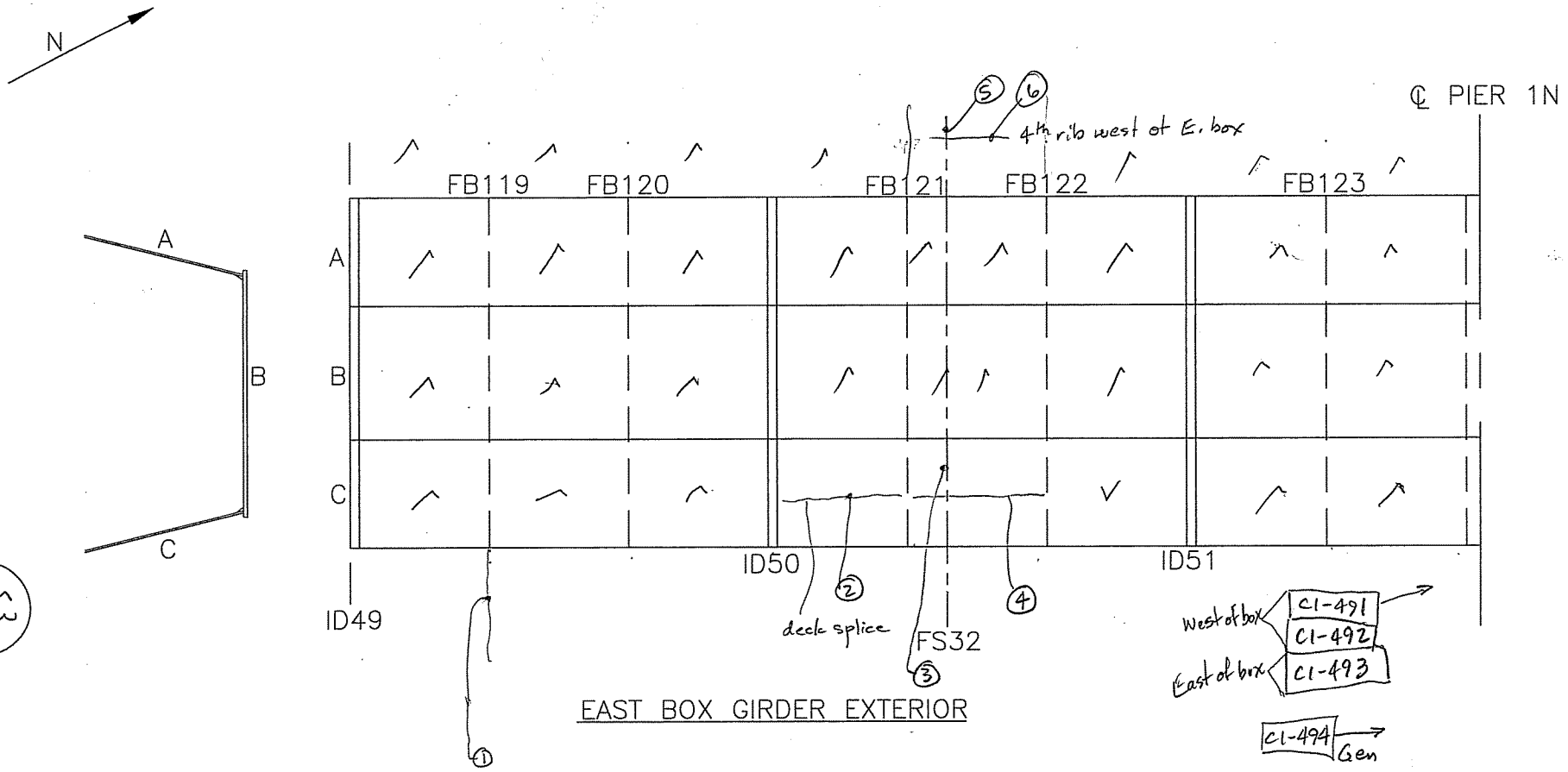


EAST BOX GIRDER EXTERIOR

52
333

start
464

① Pier 4 top of Concrete, spalled edge by Handrail anchors N.S (C1-465)	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
② Missing screens on rib of deck splice ℄ W BG.	NOTES BY:	TranSystems
③ ID 47 W. Floor Beam outside BG, P.R. and mis aligned Bottom ℄ (C1-466)	FRAMING SPAN 5M	
④ FB 117 W.S. of BG, loss on Bt. ℄ splice (C1-467) 1/8" loss on ℄	JOB: P710070019	
⑤ Vent screen damaged on circular opening	CREW: SGB	DATE: 3/27/08
		SHEET: 2 of 2
		of



EAST BOX GIRDER EXTERIOR

53
333

① minor rust pact at bolt splice @ FB119 C1-485 typ. condition.
② missing bolt w/ concrete visible btw ID 50 and FB121 C1-486
③ missing bird screen at FS 32 C1-487
④ missing nut at deck splice btw FB121 and 122 C1-488
⑤ 5 missing bird screens at FS 32 between E. & W. boxes C1-489
⑥ 5/8" hole in rib. C1-490

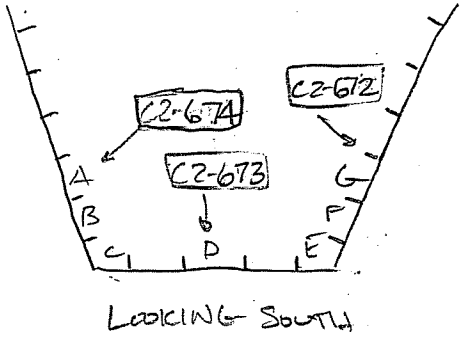
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 5M	
JOB: P710070019	

CREW:	DATE:	SHEET:
JHR	3/23/09	2 of 3
		of

LOCATION - EAST GIRDER BTWN ID35 & ID36

MAIN SPAN

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.635	.629
B	.630	.629
C	.745	.737
D	.750	.745
E	.751	.746
F	.633	.628
G	.636	.633
	ALL IN INCHES	



LOOKING SOUTH

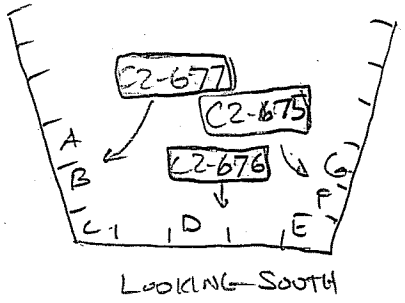
333 54

GENERAL CONDITION OF STEEL IS CLEAN WITH TYPICAL WEATHERING STEEL PATINA

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: MW | SMD	DATE: 4|10|08
	SHEET: 1 of 7
	of

LOCATION - North of CG #8

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	1.272	1.259
B	1.271	1.261
C	1.125	1.130
D	1.127	1.151
E	1.130	1.110
F	1.262	1.253
G	1.259	1.250



Looking South

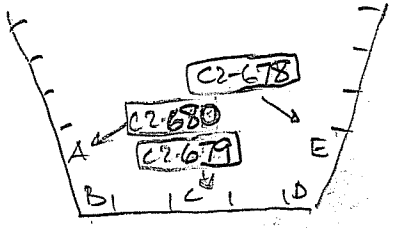
SS 333

Light Surface Rust (Typical Patina)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: MJJ | SMD	DATE: 4/16/08
	SHEET: 2 of 7

LOCATION - EAST GIRDER BTWN 1026 & 1027

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.575	.571
B	1.098	1.101
C	1.111	1.107
D	1.112	1.113
E	.569	.565
	ALL IN INCHES	



LOOKING SOUTH

LIGHT SURFACE PATINA RUST

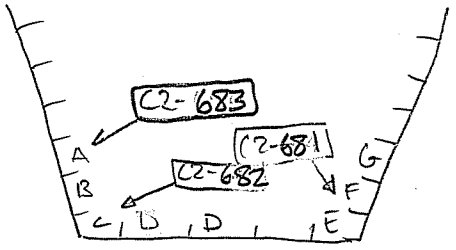
*FLOOR WAS TO SHINY STEEL BEFORE STARTING

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	
CREW: MJJ/SMD	DATE: 4/10/08
	SHEET: 3 of 7
	of

LOCATION - E. GIRDER, BTWN 1022 & 1023

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.615	.609
B	.621	.617
C	.741	.698 ← HEAVY RUST
D	.710	.702
E	.767	.726
F	.624	.615
G	.623	.616

ALL IN INCHES



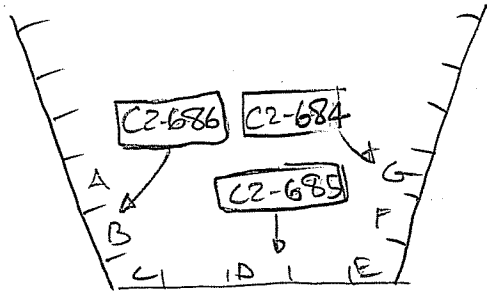
LOOKING SOUTH

WALLS ARE LIGHTLY RUSTED FLOOR IN AREA C IS HEAVILY RUSTED, OTHERWISE ONLY LIGHT RUST

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: MJJ/SMD	DATE: 4/10/08
SHEET: 4 of 7	

LOCATION - E. GIRDER, BTWN LD13 & LD14

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.627	.622
B	.630	.625
C	.758	.748
D	.744	.736
E	.752	.737
F	.625	.619
G	.629	.620



LOOKING SOUTH

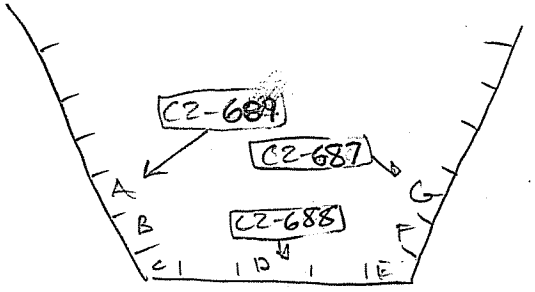
SF 333

HEAVY RUST / SAND ON FLOOR, WALLS HAVE TYP. PATINA RUST

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	
CREW: MJJ/SMD	DATE: 4/10/00
	SHEET: 5 of 7
	of

LOCATION - E GIRDER BTWN 106 & 107

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.627	.620
B	.624	.617
C	.788	.743
D	.752	.734
E	.755	.745
F	.686	.676
G	.683	.675
	ALL IN INCHES	



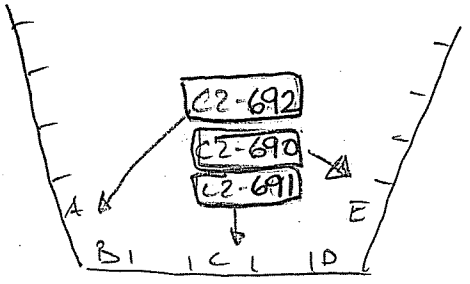
LOOKING SOUTH

GENERALLY LIGHTLY RUSTED FLOOR AND WALLS, (TYP. PATINA)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MSS/SMD	4/10/08	6 of 7
		of

LOCATION - E. GIRDER BTWN ID3 & ID4

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.582	.558
B	.904	.861
C	.875	.868
D	.878	.859
E	.595	.568



LOOKING SOUTH

60
333

MODERATE RUST SHEETING ALONG E. WEB & FLOOR, LIGHT SHEETING ALONG WEST WALL

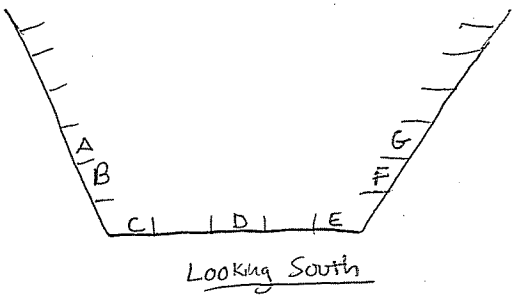
LAST ONE!!

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJJ / SMD	4/16/08	7 of 7
		of

1st
LOCATION - East Girder btwn FB113 and ID47

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.569	.564
B	.572	.562
C	.477	.471
D	.493	.482
E	.481	.473
F	.570	.562
G	.571	.564



Looking South

61
333

General condition light rust on walls light to moderate sheet rust on floor

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

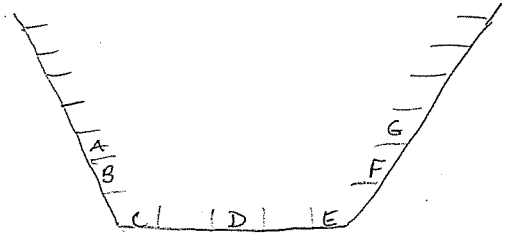
NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
CTY MJJ	4/9/08	11 of 13
		of

2nd
LOCATION - East Girder Just North of ID 45

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.625	.623
B	.625	.622
C	.742	.739
D	.746	.743
E	.738	.735
F	.622	.615
G	.623	.619



Looking South

62
339

Overall Condition: light rust on walls and floor

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
CTY MJJ	4/9/08	12 of 13
		of

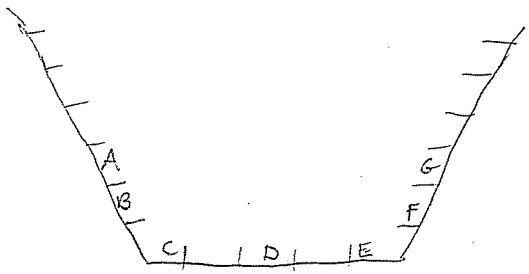
3rd

LOCATION - East Girder Btwn ID41 and FB99

just N. of Field Splice 26

THICKNESS AFTER

LOCATION	WIRE BRUSH	GRINDING
A	.632	.623
B	.629	.618
C	.722	.716
D	.775	.787
E	.737	.728
F	.645	.616
G	.649	.610



Looking South

63
333

Overall conditions light rust floor and walls, some light sheet rust on floor

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
CTY MJJ	4/9/08	13 of 13
		of

North of ID45 - East Tub

(X) location of BF thickness ≈ 3 FT N of ID45

ID45 ↓ N

	Girder	Shft	Shft	Shft	Shft	Web
all steel good cond. light rust	.752 .745 .013 (X)	.760 .749 .011 (X)	.759 .749 .010 (X)	.753 .746 .007 (X)	.754 .742 .012 (X)	

rem thickness range (0.742 - 0.749)
rust/grinding loss = (0.007 - 0.013)

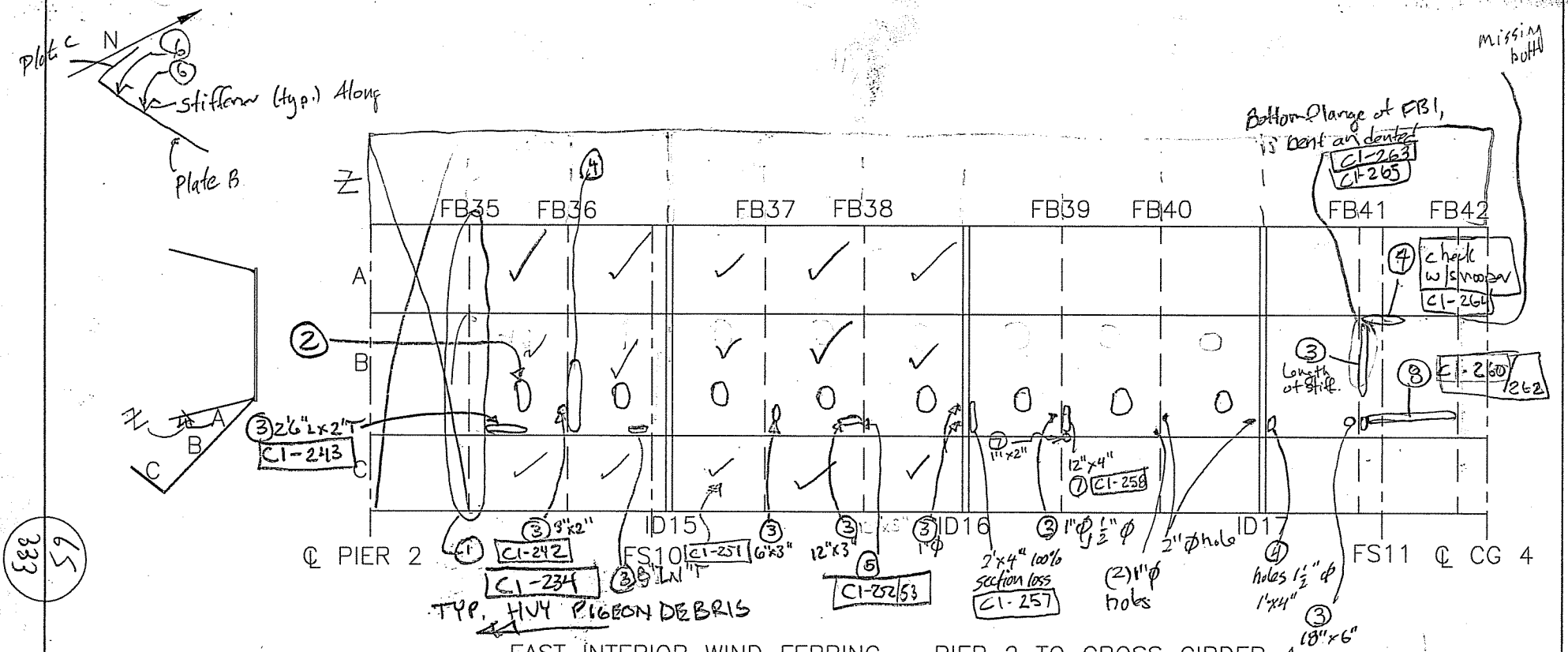
BF Field Splice north of ID45 (north side)

	Shft	Shft	Shft	Shft	Shft	Web
steel cond. = medium rust debris	/ SPLICE PLATES					
	.758 .737 .021	.752 .736 .016	.745 .732 .013	.749 .735 .014	.749 .733 .016	

rem thickness range = (0.732 - 0.737)
rust/grinding loss = (.013 - .021)

loss = 0.015 Δ from 3/4"

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
	JOB: P710070019	
CREW:	DATE:	SHEET:
PN	4-4-08	1 of 1
		of

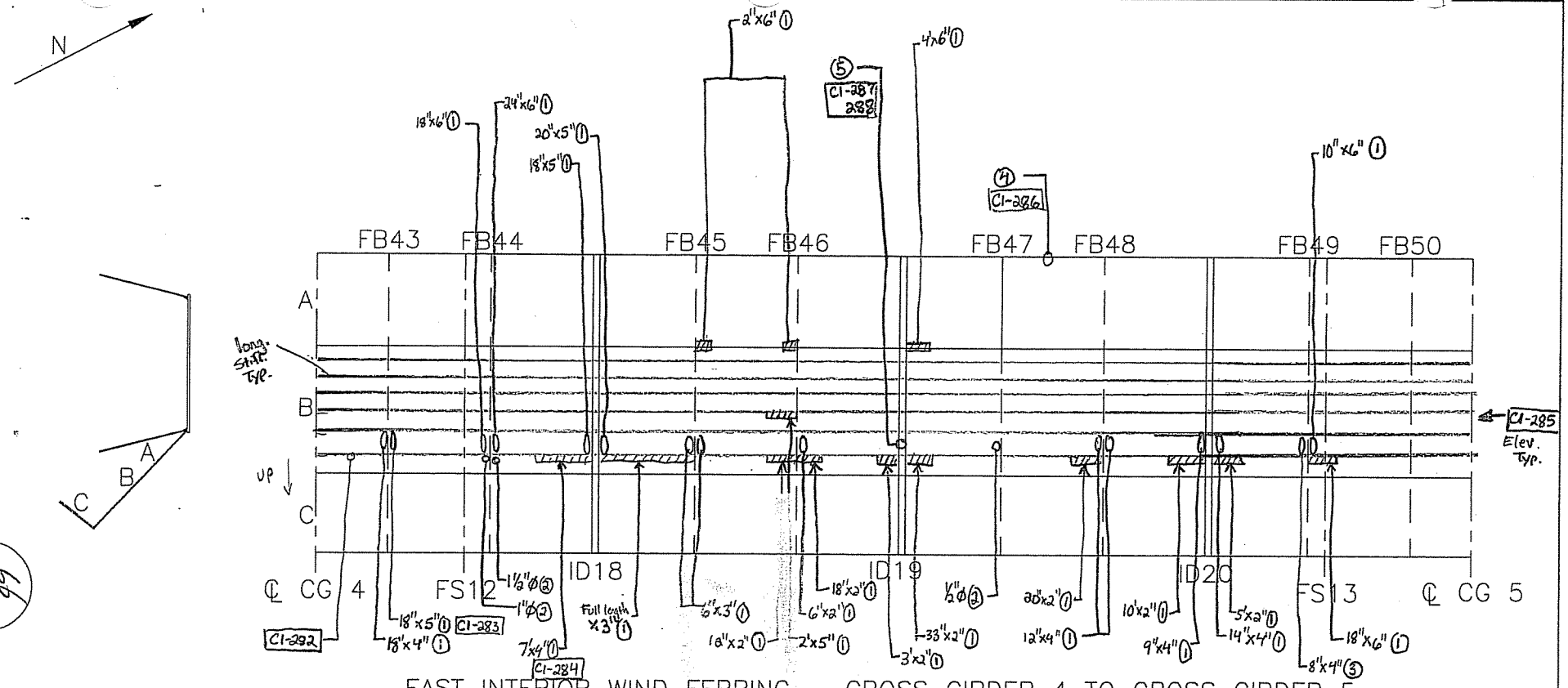


EAST INTERIOR WIND FERRING – PIER 2 TO CROSS GIRDER 4

TYP. PL C C1-251
TYP. FB CON C1-236 THRU C1-241
1. NETTING BROKEN C1-233
2. TYP. SCUPPER HOLE C1-235
3. AREA OF PITTING W/ 100% SEC LOSS
4. AREAS OF 100% LOSS 2'6"x6" C1-244, HOLES 2"x1" C1-245/46, REST PAPER THIN W/ HOLING C1-247 → 250
5. POROUS WELD IN FB TO DECK
6. Heavy build up of dirt/Pigeon debris on uphill side of stiffeners, causing rust and section loss
7. 100% section loss
8. 100% section loss entire length from FB41 to FB42. Typical 2" Wide Band, up to 5" wide Close to FB 41.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA		
NOTES BY: E. Girder	TranSystems		
FRAMING SPAN 3M			
JOB: P710070019			
CREW:	DATE:	SHEET:	
BKC	3/10/08	2 of 2	
MJJ / SWB	3/11/08	2 of 2	

65
333



EAST INTERIOR WIND FERRING – CROSS GIRDER 4 TO CROSS GIRDER 5

333 99

Typ. on all stiffeners & B up to 3½" deep pigeon excrement and dirt Typ. Photo C1-282

① Heavy pitting and 100% section loss

② Small hole in & B

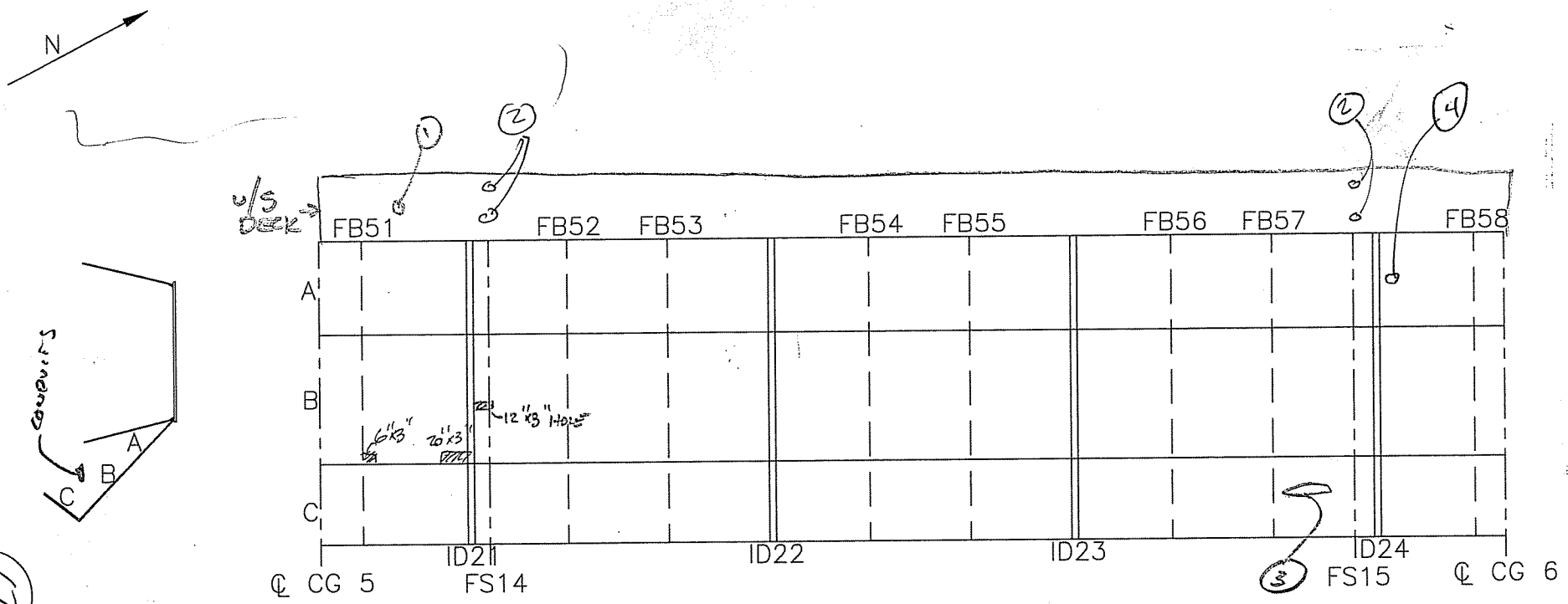
③ Heavy Pitting & Pinholes

④ Missing nut from bracket attached to underside of deck btwn FB47 & FB48 E. Ferring N. side of Bracket C1-286

⑤ Underside of deck @ S. side ID 19 hole in Weld, debris C1-287-288

⑥ Missing wire screens underside of deck @ F.S. 12, 3 locations C1-289

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems	FRAMING SPAN ,3M	
	JOB: P710070019	
CREW:	DATE:	SHEET:
MJJ/CTY	3/12/08	3 of 3
		of

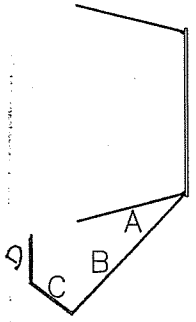


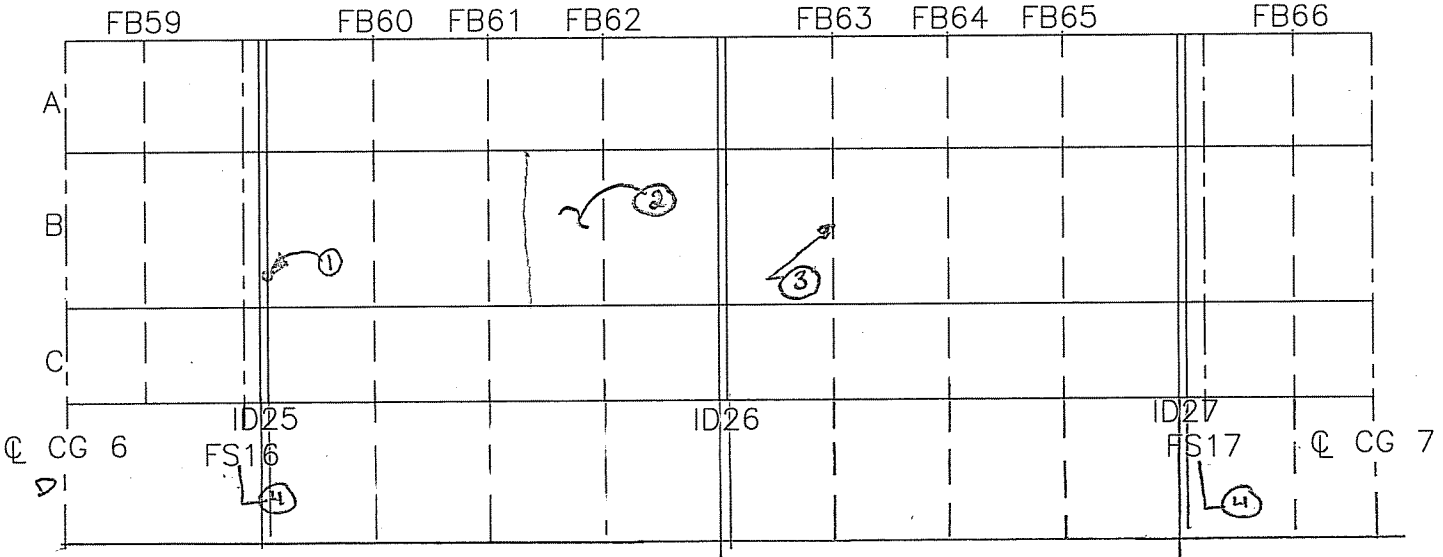
EAST INTERIOR WIND FERRING – CROSS GIRDER 5 TO CROSS GIRDER 6

(1) MISSING NUT @ LONGITUDINAL DECK SPLICE
(2) 2 MISSING SCREWS @ DECK SPLICE C1-298-299
(3) MISSING SECTION OF CONDUIT
(4) MISSING RIVETS @ HOLES @ SPLICE

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SWB/PGN/CTJ	3/13/08	2 of 2
		of





EAST INTERIOR WIND FERRING – CROSS GIRDER 6 TO CROSS GIRDER 7

(1) UP TO 3/16" GAP BETWEEN DIAGONAL BRACE & GUSSET PLATE [C2-295-296]

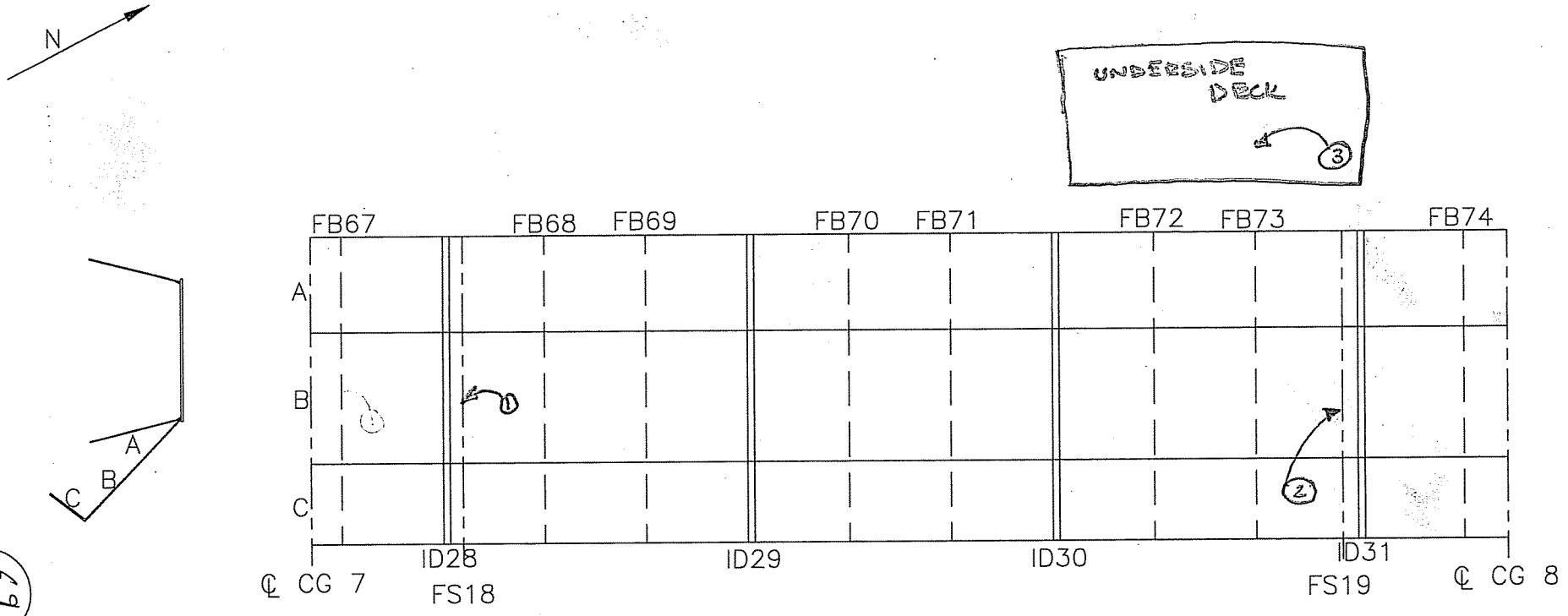
(2) BOWING OF FERRING FACE (SEE EXTERIOR NOTES FOR DETAILS OF STEEL LOSSES) [C2-294 & 297]

(3) UP TO 1/8" BEND IN BTM. FLANGE/COVER PLATES @ FB63 [C2-298]

(4) ALL PIGEON CAGES INTACT

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SLOB/CRS/CTY/SGB	3/18/08	1 of 6
		of



EAST INTERIOR WIND FERRING – CROSS GIRDER 7 TO CROSS GIRDER 8

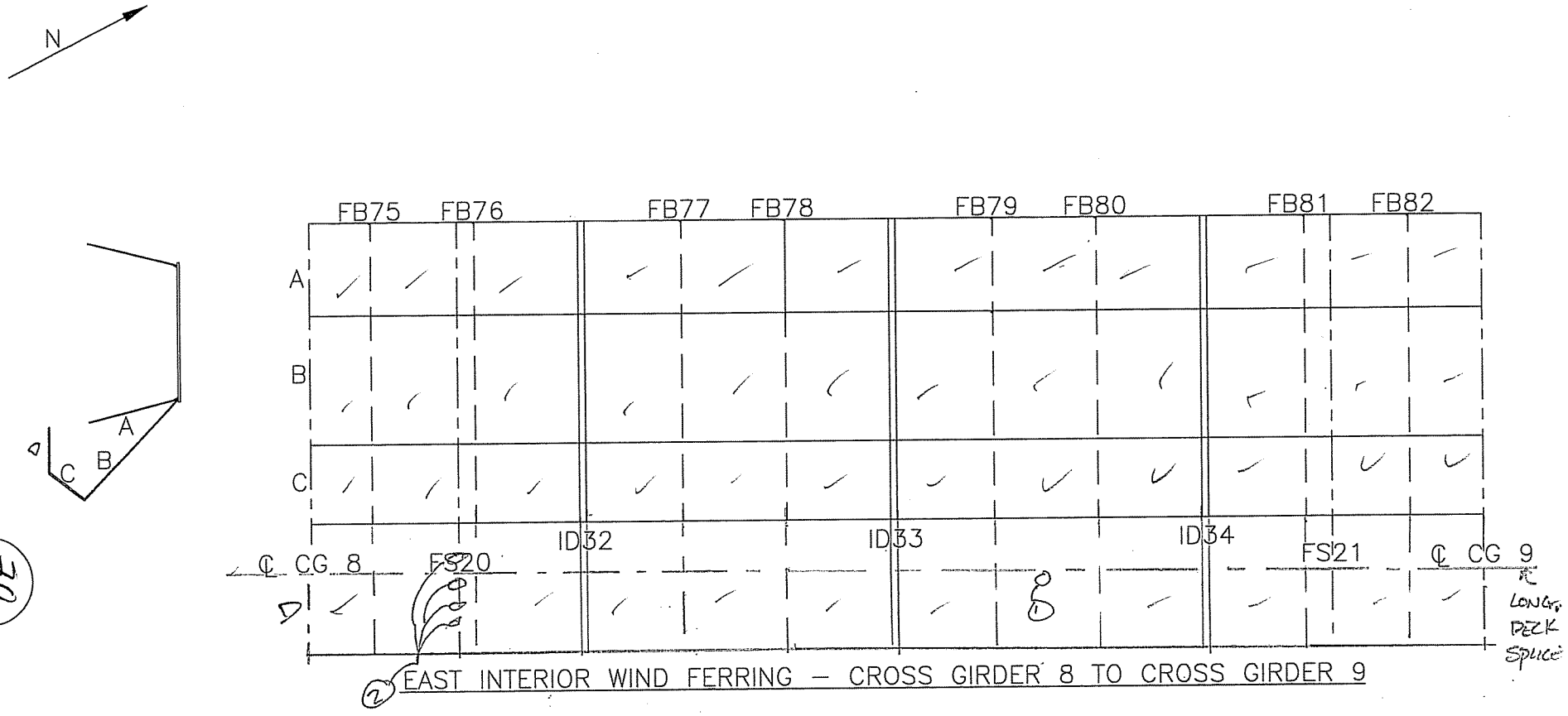
① 4 MISSING PIGEON CAGES AT FS18 AT ORTHOTROPIC DECK

② SEE NOTE ① (2 MISSING)

③ COVER PLATE w/ 1/8" BEND AT BOTTOM FLANGE [C7-292-293]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
CRS/CTY/SGB	3/17/09	3 of 3
		of



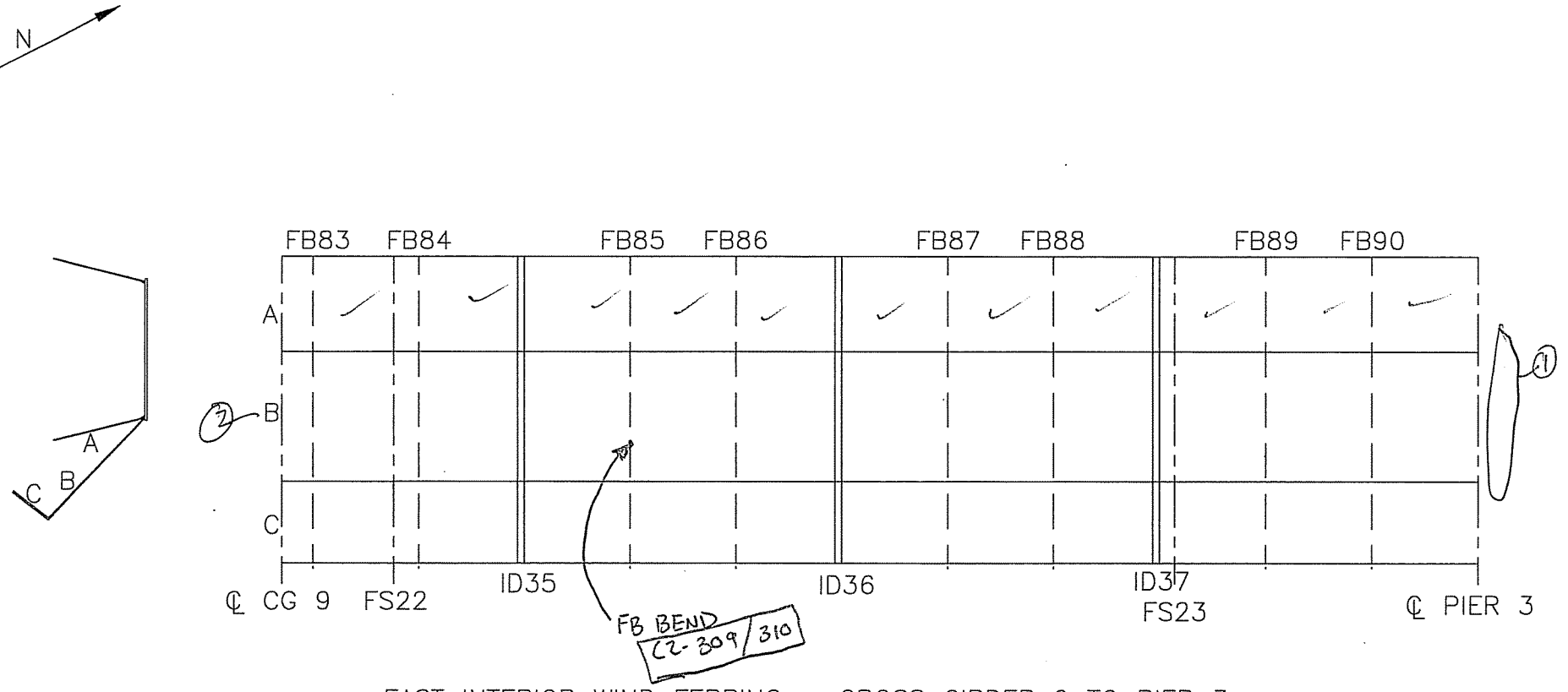
E0 333

① MISSING NUT @ LONG. DECK SPLICE

② ALL PIGEON SCREENS MISSING @ TRANSVERSE DECK SPLICE

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
SWB/CRS/CTY/SGB	3/18/05	3 of 6
		of



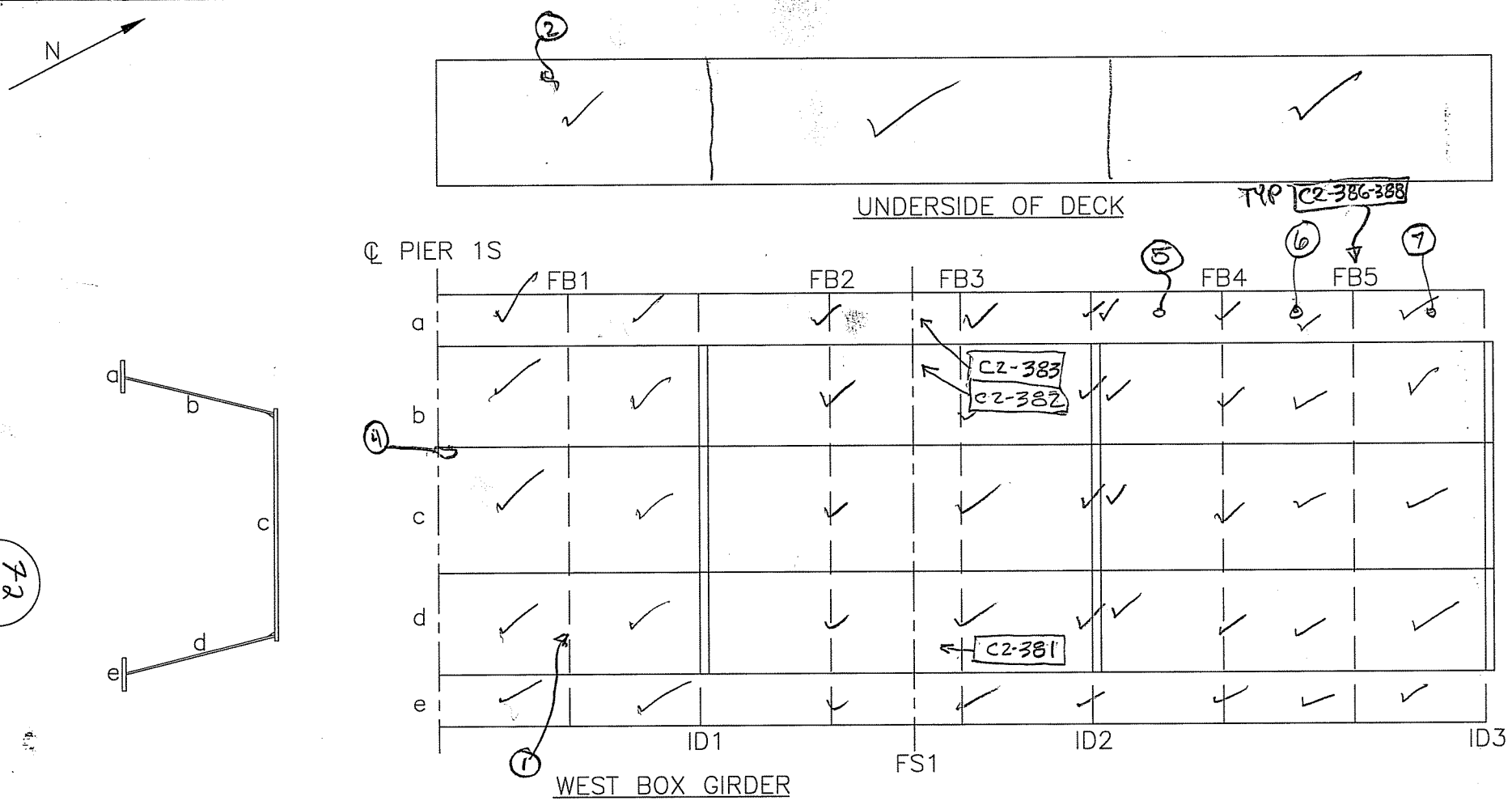
EAST INTERIOR WIND FERRING – CROSS GIRDER 9 TO PIER 3

7.1
333

(1) SCREENING LOOSE @ END OF FERRING

(2) HEAVY DEBRIS BUILD-UP ALONG STRUTS WITH AREAS OF 100% LOSS, TYPICAL

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
SWB/CRS/CW/SGB	3/18/09	4 of 6
		of

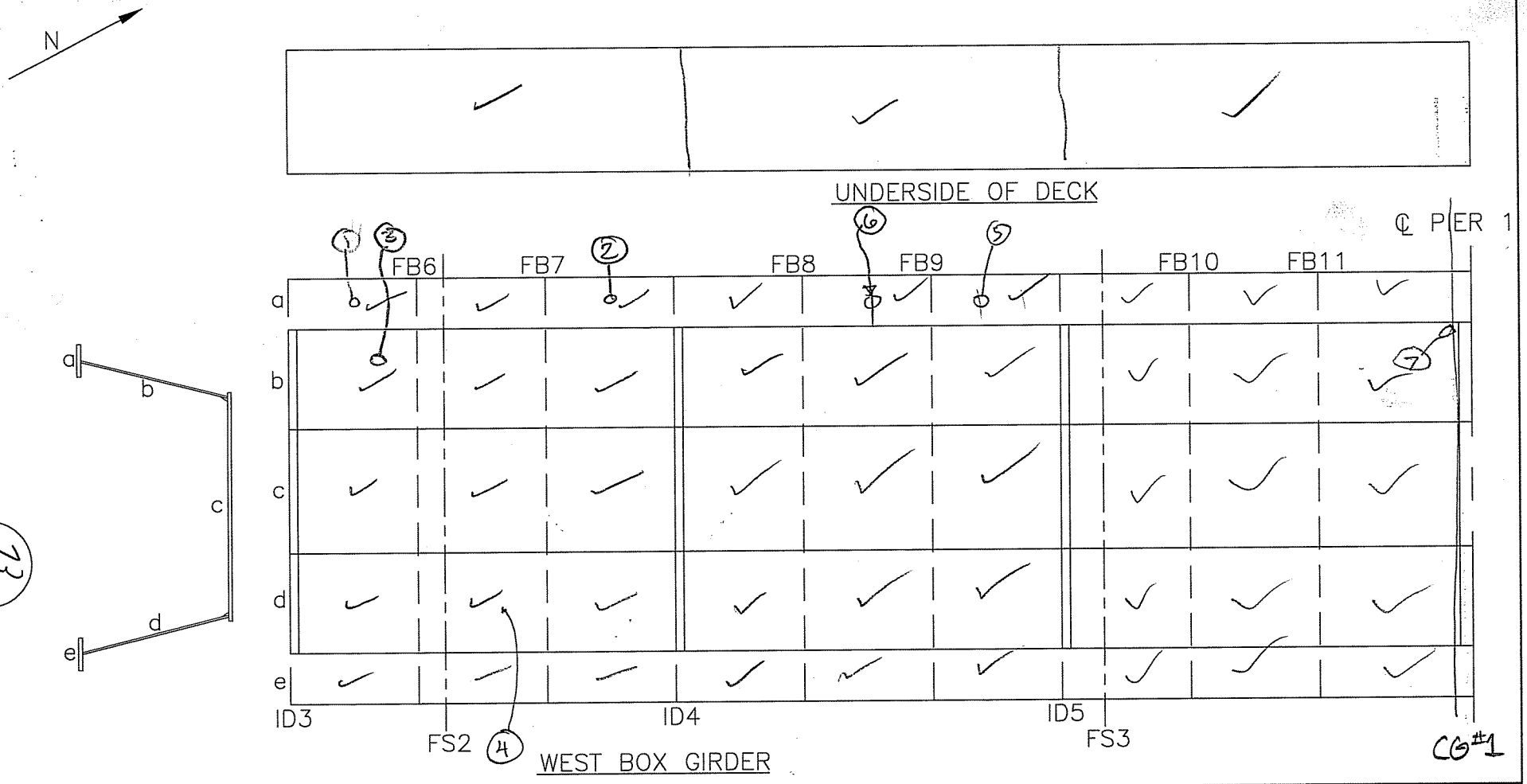


Z2 333

1. TYP. COND FB 1 C2-377
2. TYP. COND UNDERSIDE OF DECK C2-378
3. SLAG LIKE MAT. AT INTERSECTIONS, NO LOSSES, WELDS IN GOOD COND C2-379
4. 6"L×1"T LAM. RUST W/ CP TO 1/8" LOSS C2-380
5. 2-½" C.R. BTWN TOPFL & STIFF. IN WELD MAT C2 384/85
6. 2-½" C.R. BTWN TOP Flg Shift, IN WELD MAT
7. 1-¼" C.R. BTWN TOP Flg. Stiff., IN WELD MAT

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 1M	
JOB: P710070019	

CREW:	DATE:	SHEET:
JHR, BKC	3/24/08	1 of 2
		of



(1) CR INTO TOP FL 3½" C2-389 THRU C2-393

(2) ½" CR IN WELD TOP FL/STIFF WELD MAT.

(3) 3" ϕ HOLE W/NETTING (WIRE MESH)

(4) TYP. MULT. OVERPASS ON WELDS C2-394

(5) CR INTO TOP FL 3½"

(6) CR INTO TOP FL 1½"

(7) Missing bolt on W. plate for CG#1 C2-395

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

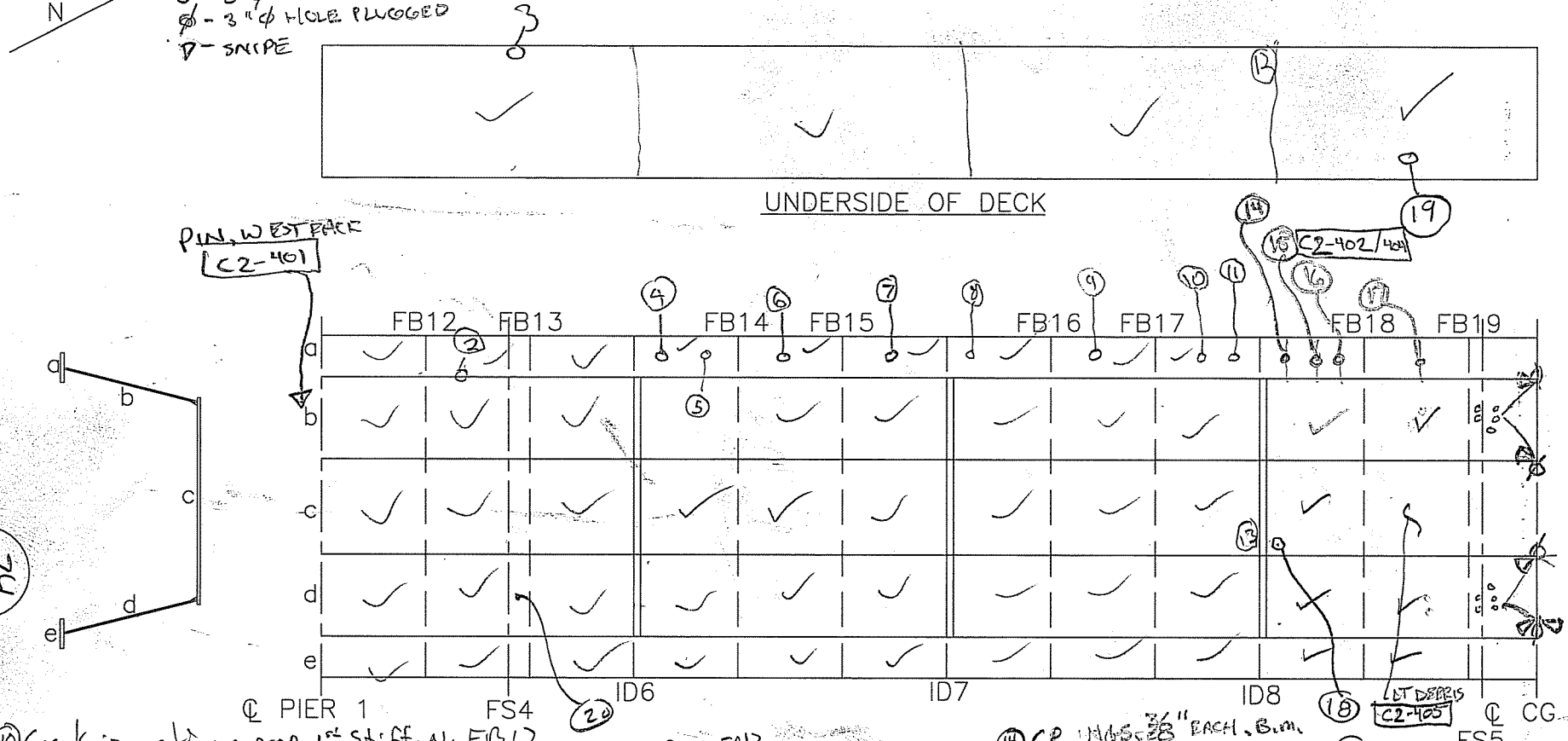
FRAMING SPAN 1M

JOB: P710070019

CREW:	DATE:	SHEET:
BK, JHR, BS	3/24/08	2 of 2
BS, SGB	3/25/08	1 of 2

B.M. = CRACK GOES INTO BASE METAL W.M. = ~~ACK~~ CRACK IN WELD MATERIAL

S. ELEV C.G. 2 [C2-406-401]

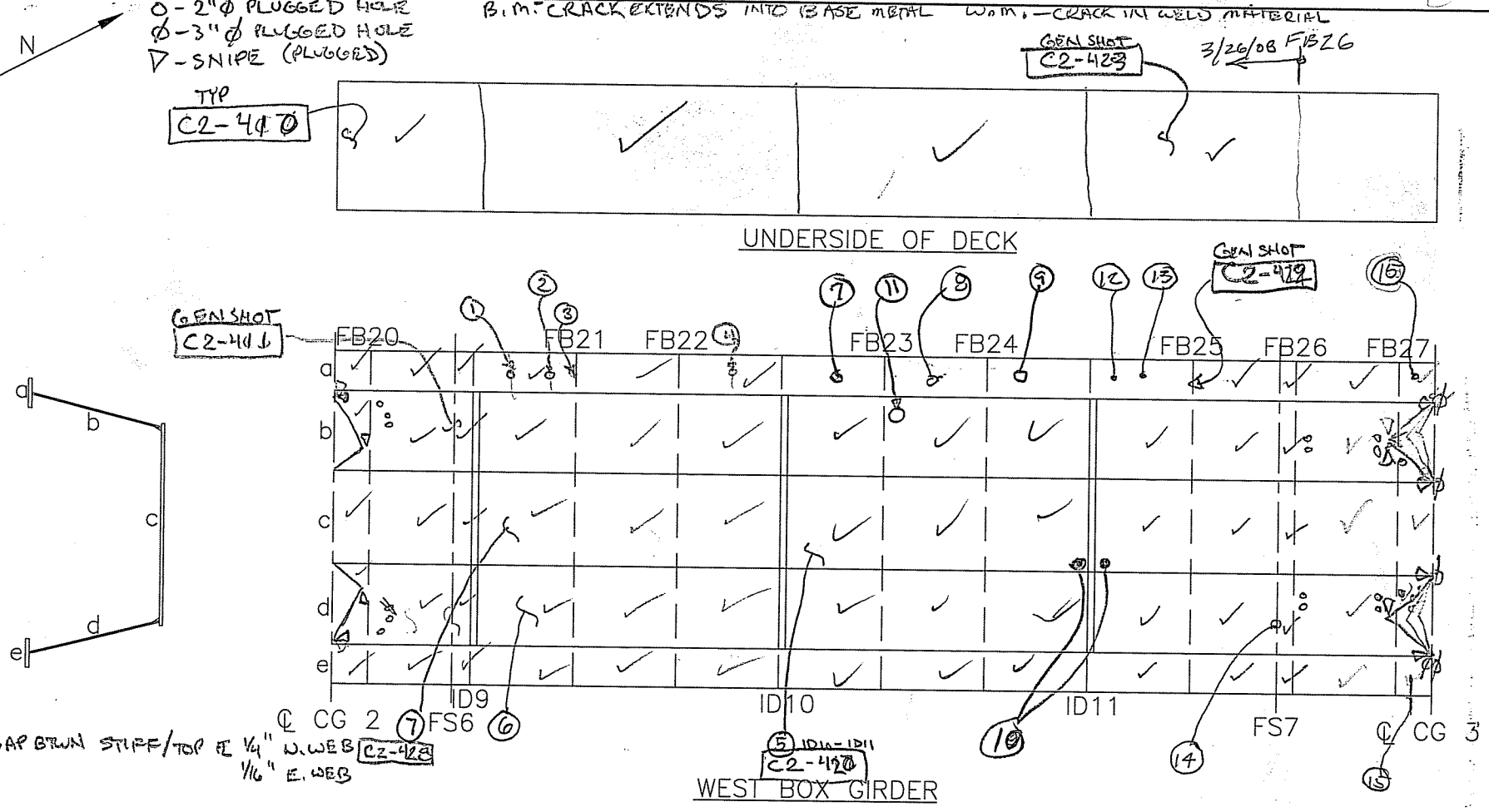


(10) Crack in weld no prop. 1st Stiff. N. FB17
(11) Crack in weld prop. 1/4" S. 3/8" N. into flange 2nd Stiff. N. FB17
(12) ID7 N. Face, E.S., very top on deck, incomplete weld [C2-400]
(13) ID8 S. Face, E.S. missing bolt on floor.
(14) CR, NGS, 3/8" EACH, B.M.
(15) CR, NGS, B.M., 3 1/2" TOT
(16) CR, NGS, 3/8" EACH, WELD
(17) CR, S, 1/4", W.M.
(18) 2-MISSING BOLTS ON FLOOR
(19) ONE MISSING BOLT AND ONE MISSING NUT ON DECK FORM
(20) CR AT FST ENTERING RING C2-424-427

(1) West stiffening flange, missing bolt [C2-396]
(2) West stiffener, 1st Stiff. N. FB12, weld cracked S. [C2-397] N. [C2-398]
(3) West side, Deck rib furthest to the W., loose nut on deck splice
(4) Crack @ tip of weld 1st Stiff N. ID6 only in weld
(5) Crack in weld prop. 1/2" to the N. in flange 2nd Stiff N. ID6
(6) Crack in weld 1st Stiff. N. FB14
(7) Crack in weld prop. 1 1/2 S.S. 2" on N.S. into flange, 1st Stiff. N. FB15 [C2-399]
(8) Crack in weld prop. 1/2" into flange B.S. 1st Stiff N. ID7
(9) Crack in weld prop. 1/4" into flange B.S. 1st Stiff. N FB16

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 2M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BS, SGD	3/25/08	2 of 2
BKC, BS	3/26/08	1 of 2

74
333

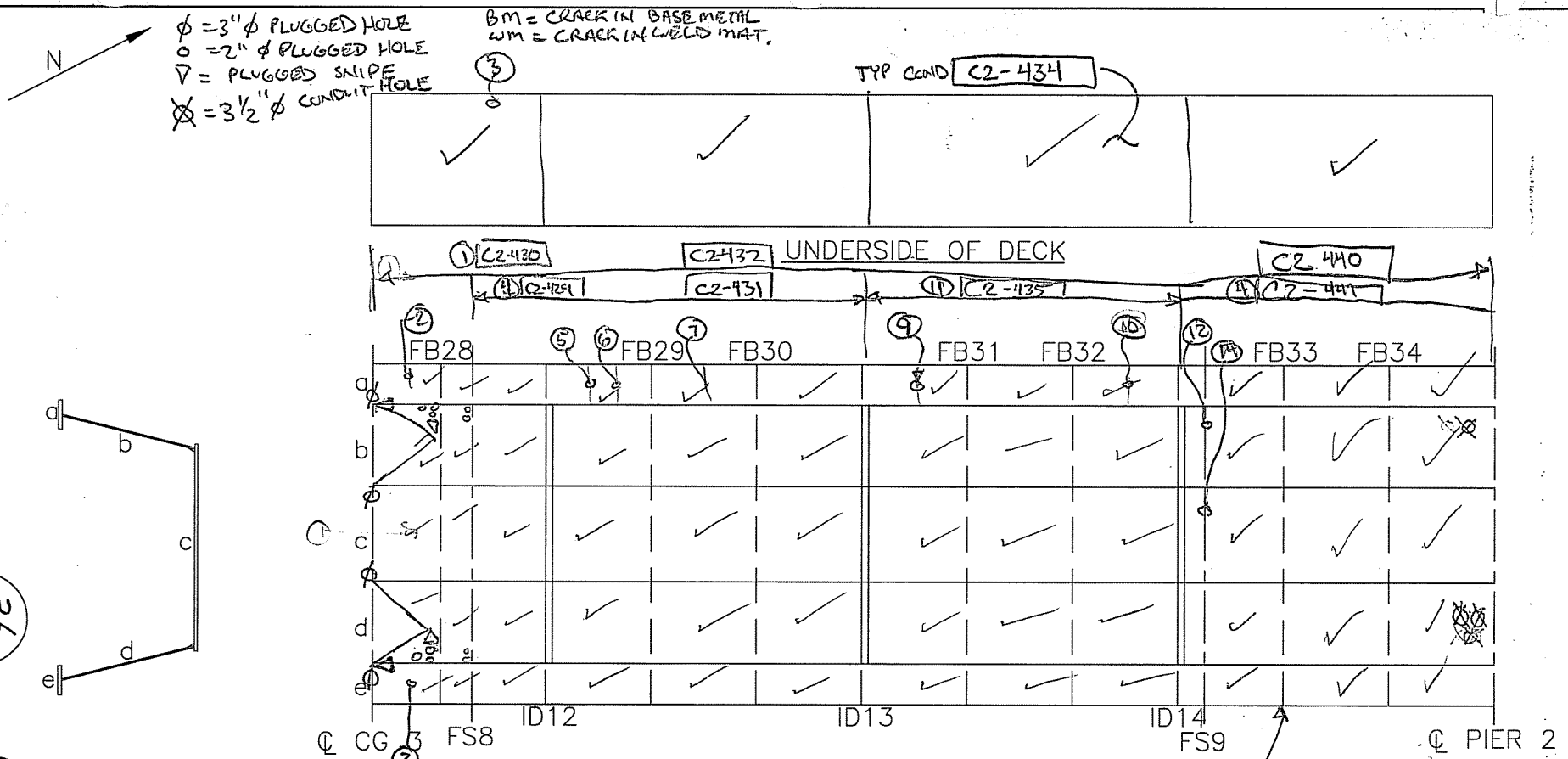


(1) CR. 2" TOTALS, B.M. 1 STIFF N. OF ID 9
(2) CR 4" TOTALS, B.M. 2 STIFF N OF ID 9 C2-413 + 416
(3) POROSITY IN WELD BTWN TOP FL & WEB C2-414 (3" LONG)
(4) CR 1" TOTALS, B.M. 1 STIFF S. OF ID 10
(5) LT DEBRIS ALONG FLOOR BTWN ID 9-10, LAM. LATER C2-412
(6) TYP. LAM. LATER RUST ALONG WEBS (E & W) C2-418
(7) CR. 2" TOT. N&S B.M. 1 STIFF N. OF ID 10 C2-415 THR 419
(8) CR. 1/2" S. BM - 1 STIFF N. OF FB 23
CR 1/4" N. WM
(9) CR. 1/4" S. WM. - 1 STIFF N. OF FB 24
CR. 1/2" N. WM.
(10) TWO MISSING BOLTS ON FLOOR AT N AND S. SIDE OF ID 11
(11) 3" ϕ UTILITY HOLE W/WIRE MESH
(12) CR. 1/4" W.M./S. - 1 STIFF N. of ID11
CR 1/2" B.M./N.
(13) CR 1 1/2" TOT. N&S BM - 2 STIFF N. of ID11
(14) loose bolt in field splice of vert. leg of 5th stiffener from bottom plate (on S. side of splice) bolt & nut visible

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 2M	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC, BS, JHC	3/26/08	2 of 2
BKC, BS	3/27/08	1 of 2

75
333

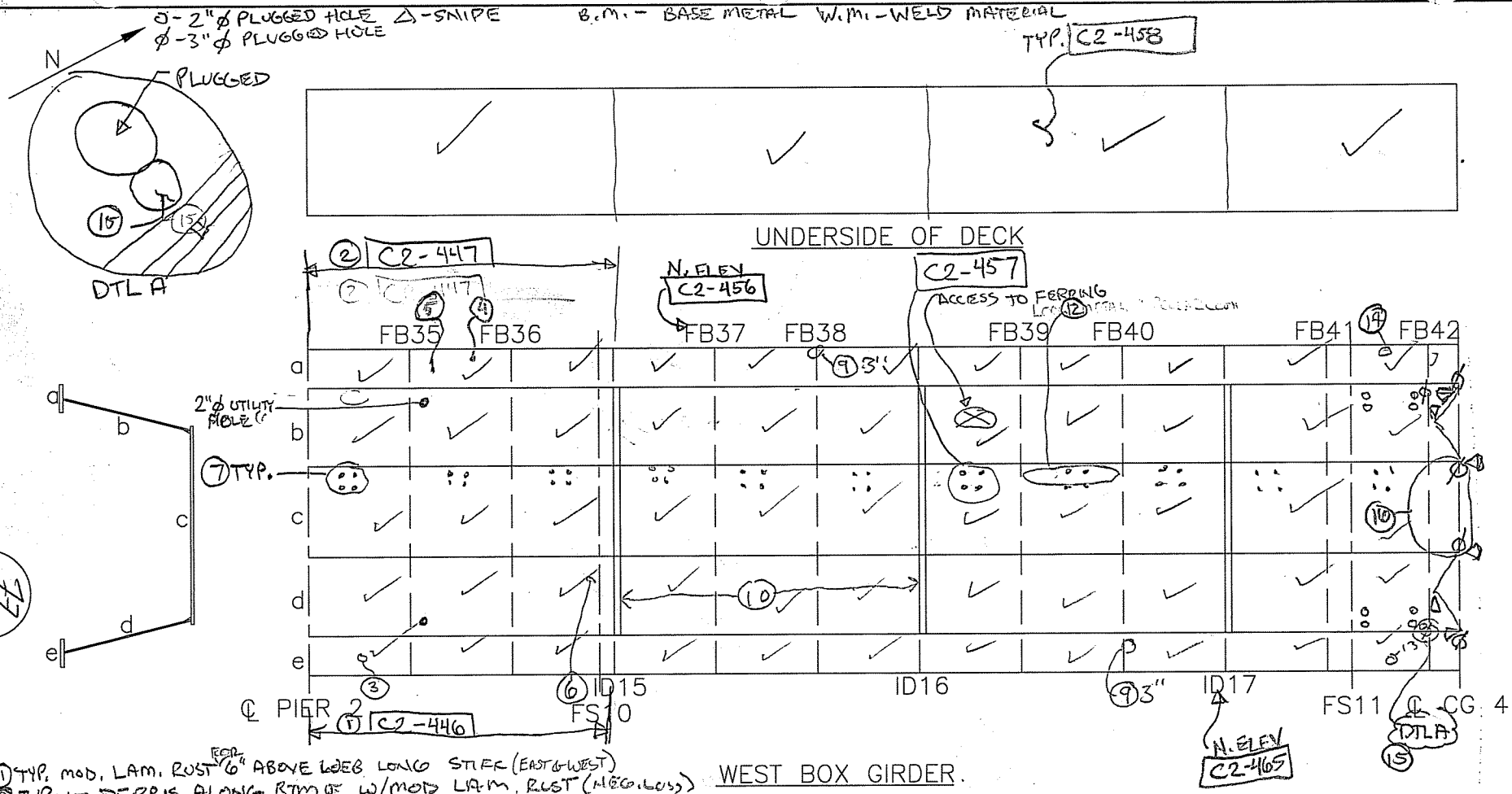


(1) LT DEBRIS ALONG BOT. FF C2-430
(2) GAP BTWN 1ST STIFF N. CG 3, ¼" W. WEB, 1/16" E. WEB
(3) LOOSE BOLT ON WEST DECK TCB AT SPLICE
(4) MOD. LAMINATING RUST ALONG WEBS. NEG. LOSS (E & W) C2-429
(5) CR. 1ST STIFF N. OF ID 12, S. 3¼" W.m.
(6) C.R. 2nd STIFFN OF ID12, S. 1" B.M., N. ⅜" W.m.
(7) CR 1ST STIFF N OF FB29, 1" TOTAL BTWN NGS BM
(8) TYP. MULTI PASS ON LIMITED SHOT TOP FF/WEB C2-435
(9) CR 1ST STIFF N OF ID 13, 2½" TOTAL NGS, BM C2-436 THRU 439
(10) CR 1ST STIFFS OF ID 14, 1½" TOTAL NGS, B.M.
(11) LT LAMINATING RUST ALONG WEBS
(12) 2-FROZEN BOLT W/ LOOSE NUTS 2nd, 3rd, 4th LONG. STIFF FROM TOP (SAME POSITIONS)
(13) CR 1ST STIFF N. OF FB 33, W.m. ⅜" N., ½" S
(14) 3-LOOSE BOLTS ON LONG. BTM FF STIFF @ W. STIFF

333 26

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 2M	
JOB: P710070019	

CREW:	DATE:	SHEET:
BRC, BS	3/27/08	2 of 2
		of



(1) TYP. MOD. LAM. RUST FOR 6" ABOVE WEB LONG STIFF (EAST & WEST)
(2) TYP. LT DEBRIS ALONG BTM FF. W/MOD LAM. RUST (MEG. LOSS)
(3) POT. CR. W.M. 1ST STIFF N. P2, N. 2⅛"
(4) CR. 1ST STIFF N. FB 35, 2" B.M. TOTAL NGS
(5) ℄ LONG CR. BTWN LIFTING LUG, & DECK PAN B.M. 3½" LONG C2-451 THRU 454
(6) MISSING BOLT AT 2nd STIFF FROM POT
(7) 4 HOLES NO BOLTS AT EVERY STIFF W. SIDE BTWN P2 - ID15 < ID16 | ID17 - CG4
(8) N. FS. STIFF MISSING WELD C2-448/449 S. STIFF EXHIBIT POOR WELD C2-450
POR. in weld connecting web to deck flange.
(10) Light sheeting on E. web C2-455
(11) CR 1ST STIFF N. OF FB39 B.M. 2½" TOTAL NGS
(12) LOOSE CIRCULAR METAL CONDUIT
(13) E. web @ top, bracket bolted to deck flange, two loose bolts C2-459/460
(14) W. web @ top, bracket bolted to deck flange, one bolt sheared off.
(15) E. WEB JUST TO S. OF CG4 CORNER. CR IN STRESS RELIEF NO VISIBLE PROP C2-461-464
(16) HVY RAT DROPPINGS

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

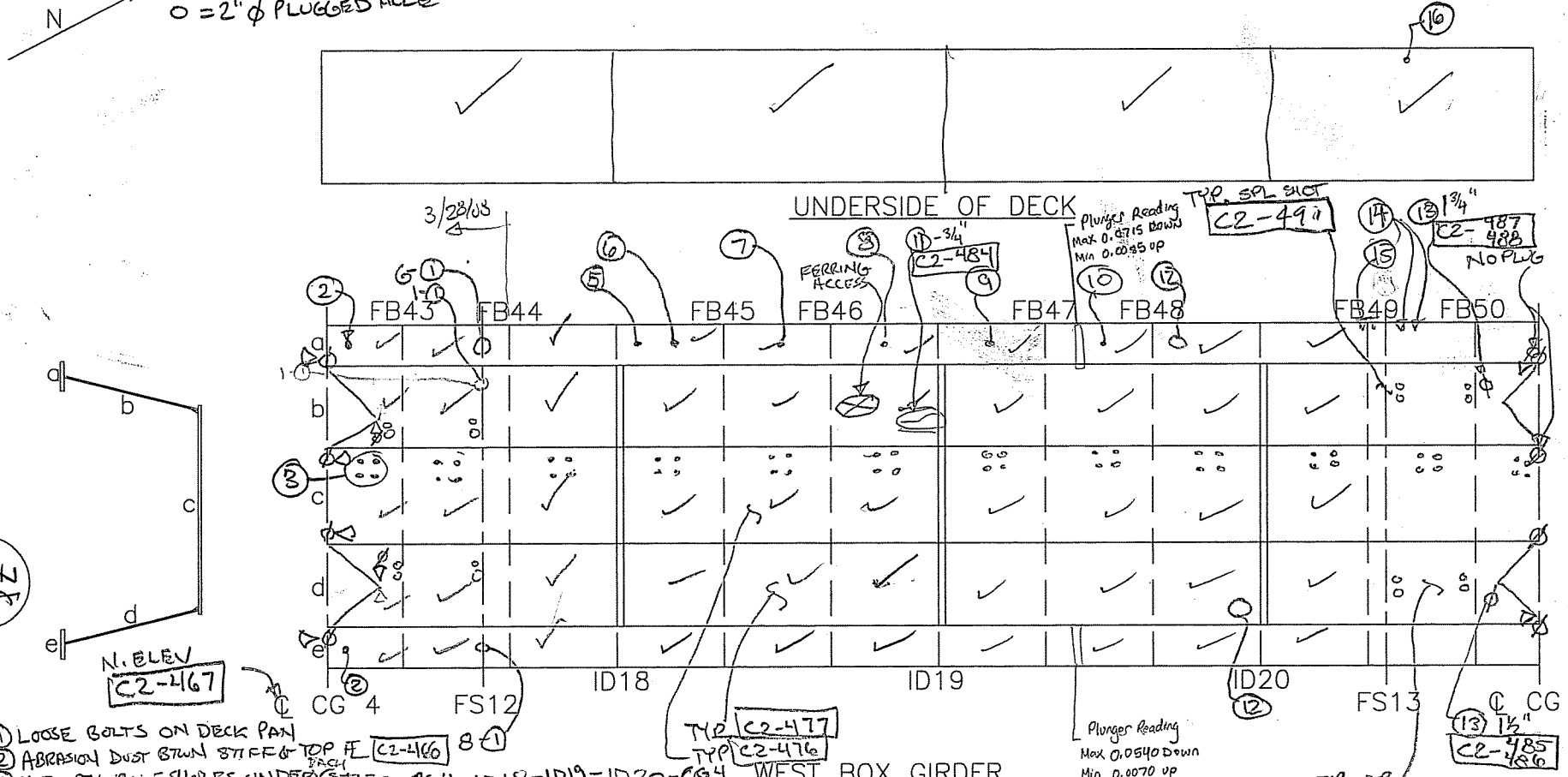
CREW:	DATE:	SHEET:
BKC, BS, SOB	3/28/08	1 of 2
		of

47 333

ϕ = 3" ϕ PLUGGED HOLE ▽ = SNIPE
O = 2" ϕ PLUGGED HOLE

B.M. = BASE METAL WM = WELD MATERIAL

N



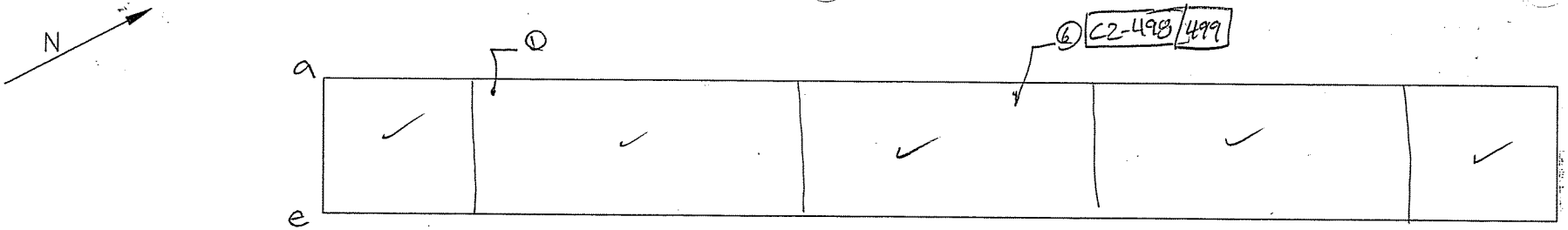
7f 333

(1) LOOSE BOLTS ON DECK PAN
(2) ABRASION DUST BTWN STIFF & TOP FL EACH C2-466
(3) 4 EMPTY BOLT HOLES UNDER STIFF CG4-ID18-ID19-ID20-CG4 WEST BOX GIRDER
(4) MULTIPLE PASS WELD W/DISCONT. BTWN WEB/TOP FL C2-468
(5) 1½" W.M. CR BTWN LIFTING LUG/EAR NEAR W. WEB, 4' N. OF ID18 C2-469-471
(6) 3½" B.M. CR 2nd STIFF N. OF ID 18 C2-472-475
(7) ½" B.M. CR N., 1ST STIFF N. OF FB 45
(8) 3" B.M. CR N&S, 1ST STIFF N OF FB 46
(9) 1ST STIFF N. OF ID 19 3/4" B.M CR. N & 3/8" WM S.
(10) 1ST STIFF N OF FB 47, B.M CR N&S 4 3/4" C2-480-483
(11) WEB WRNG. STIFF WELDED IN BENT POSITION BY ~_"
(12) 3½" ∅ SCREENED HOLES
(13) CR INTO ARRESTING HOLE, LENGTH FROM PREVIOUS NOTES
(14) 2 MISSING BOLTS ON DECK PAN SPLICE C7-488
(15) 2 SHEARED OFF BOLTS
(16) MISSING NUT ON DECK SPLICE

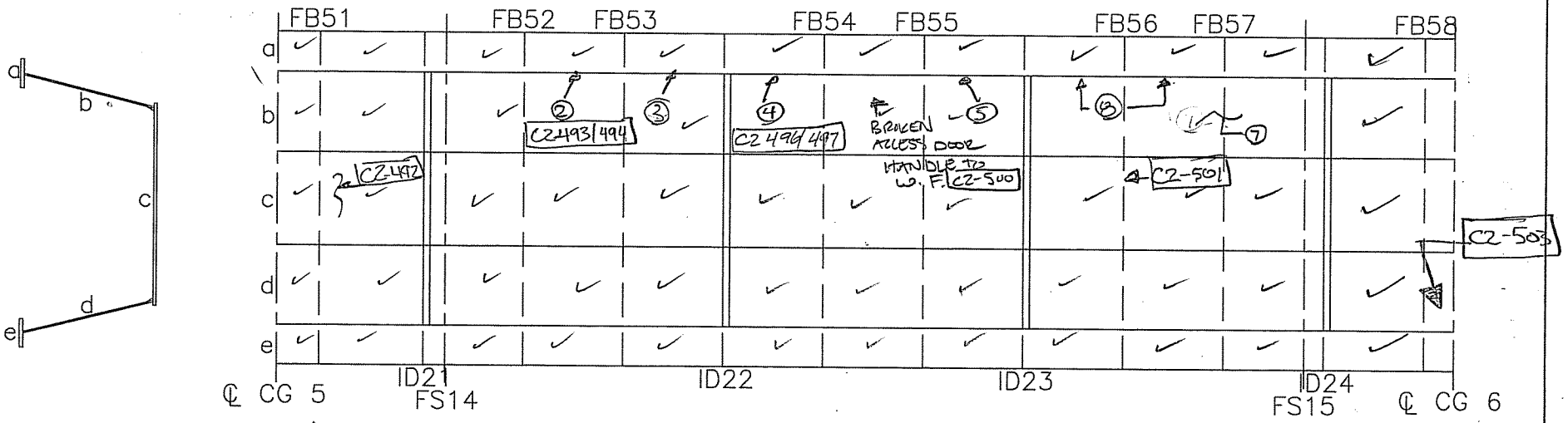
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC, BS, SGB	3/28/8	2 of 2
BKC, BS	3/29/08	1 of 1

BKC/SMD 4/9/08



UNDERSIDE OF DECK



WEST BOX GIRDER

C2-492 – General shot in Burg

① (2) Loose bolts in deck plate splice, 1 NUT MISSING IN DECK SPLICE

② Crack in stiffener to deck weld, Approx. 3 1/8" INTO BOTH BASE METAL CRACKS C2-493/494

③ CRACK IN STIFFENER TO DECK WELD, APPROX 1/2" INTO WELD METAL TO SOUTH, NONE TO NORTH

④ CRACK IN STIFFENER TO DECK WELD, APPROX 3 3/8" INTO BASE METAL C2-496/497

⑤ " " " " " " 3 1/8" INTO BASE METAL

⑥ APP. 2 1/4" CRACK IN WELD METAL & 1/4" CRACK IN BASE METAL IN WELD AT LIFTING LUG TO DECK C2-498/499

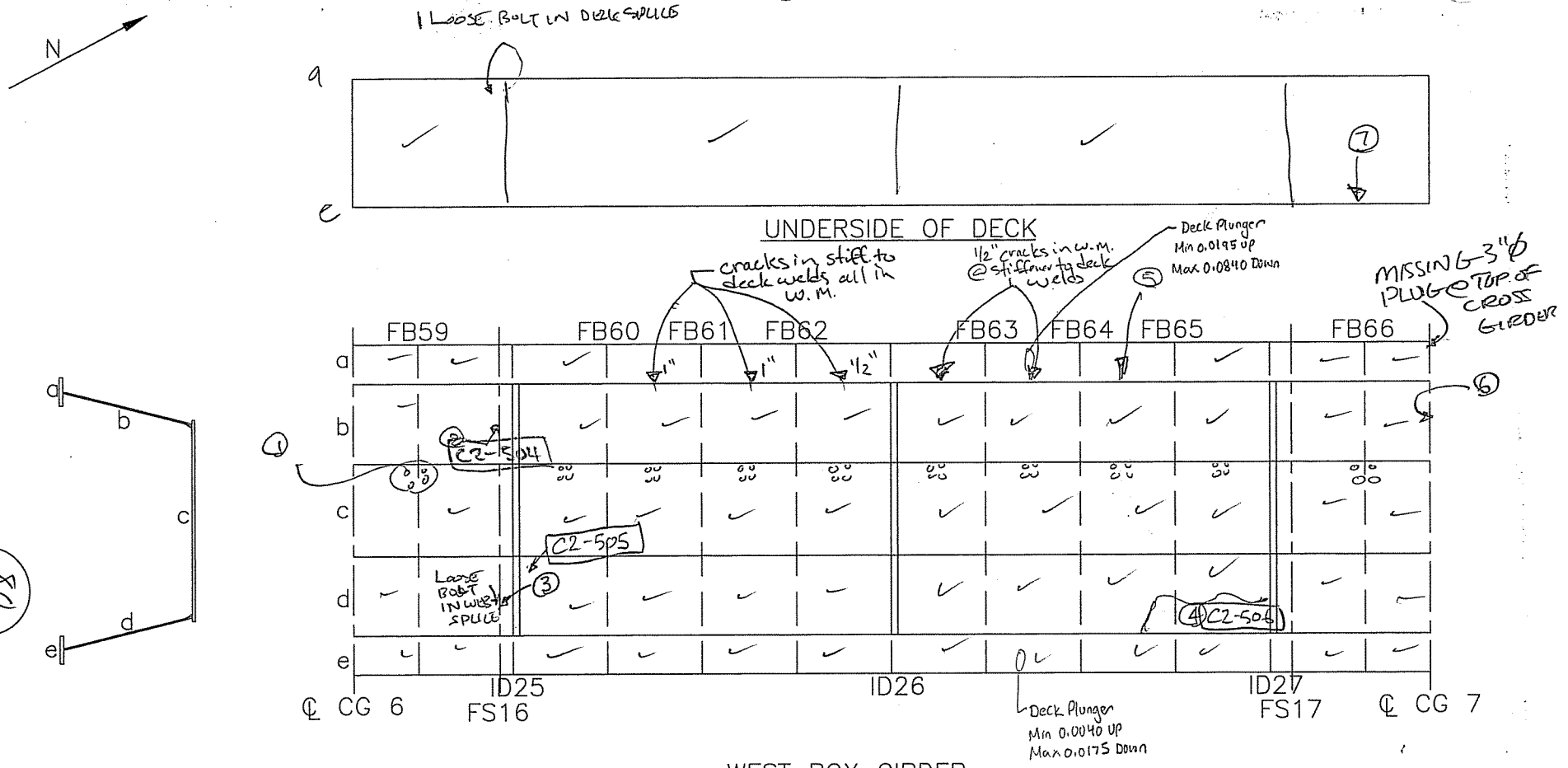
⑦ LIGHT TO MODERATE RUST SHEETING ON WEST WEB

⑧ APP. 1 1/2" LONG CRACK IN WELD METAL OF STIFF. TO DECK WELD

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJJ / BS	3/31/08	1 of 1
		of

333



333 BC

① FOUR EMPTY BOLT HOLES IN BOTTOM ② (2) MISSING BOLTS IN FB 59 SPLICE C2-504

③ (1) MISSING BOLT IN FB 59 SPLICE

④ UNUSUAL RUST STAIN ON FLOOR NEAR ID27. POSSIBLY CAUSED BY STANDING WATER C2-506

⑤ 1/2" CRACK IN W.M. & 1/4" CRACK IN BASE METAL OF STIFFENER & DECK WELD.

⑥ (11) MISSING BOLT IN C.G. SPLICE

⑦ (2) LOOSE NUTS & 1 MISSING BOLT IN DECK SPLICE @ FS17

CTLGroup

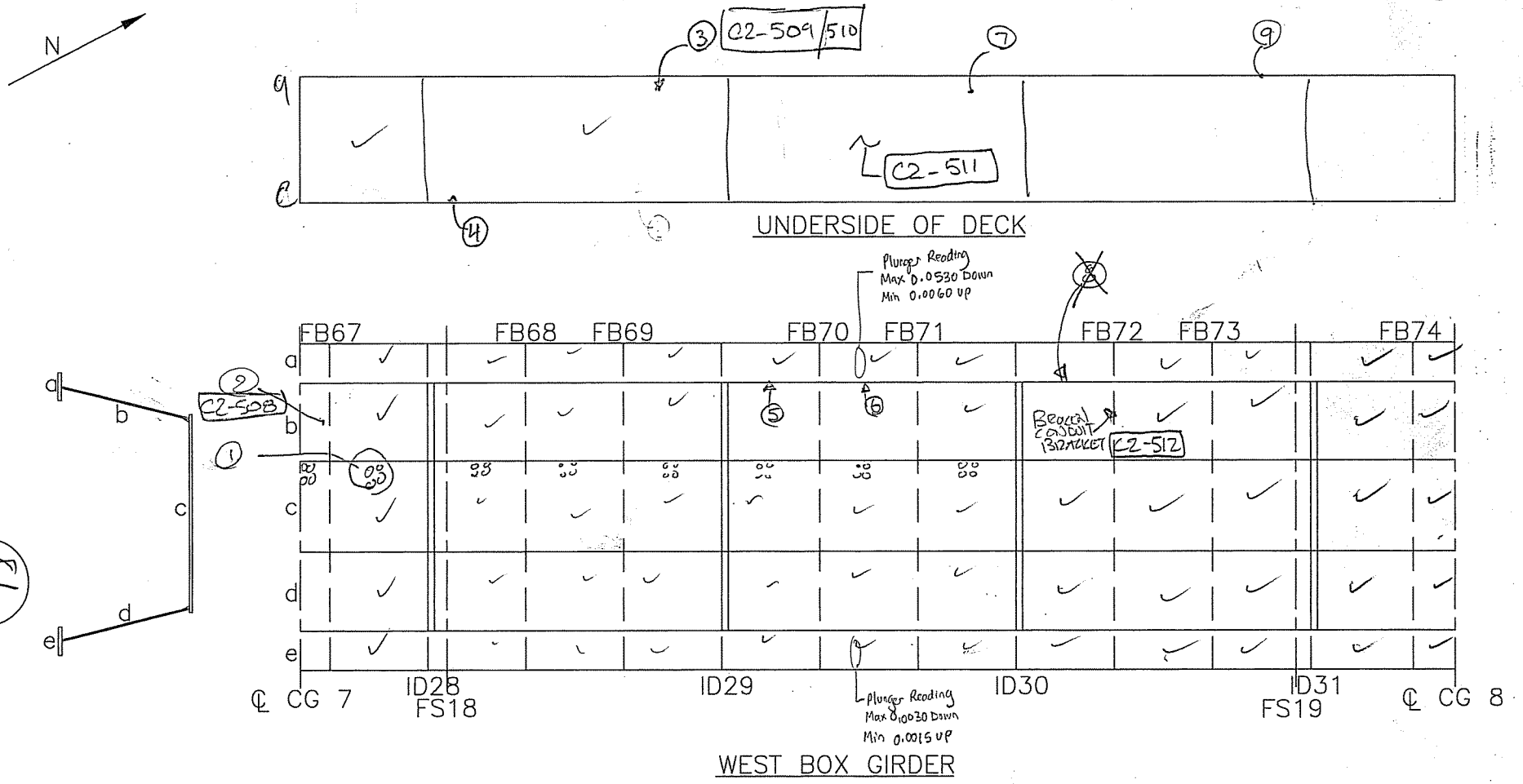
Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

FRAMING SPAN 3M

JOB: P710070019

CREW:	DATE:	SHEET:
MJ/BS	4/1/08	1 of 2
BKC/SMD	4/9/08	of



F1 333

① FOUR EMPTY BOLT HOLES

② MISSING FOAM INSERT FOR HOLE IN WEB C2-508

③ 1 3/4" CRACK IN WELD METAL OF LIFTING LUG WELDED TO DECK PLATE C2-509/510

④ (2) MISSING NUTS @ FS 18 IN DECK PLATE / 1 BOLT MISSING NUT IN DECK SPLICE

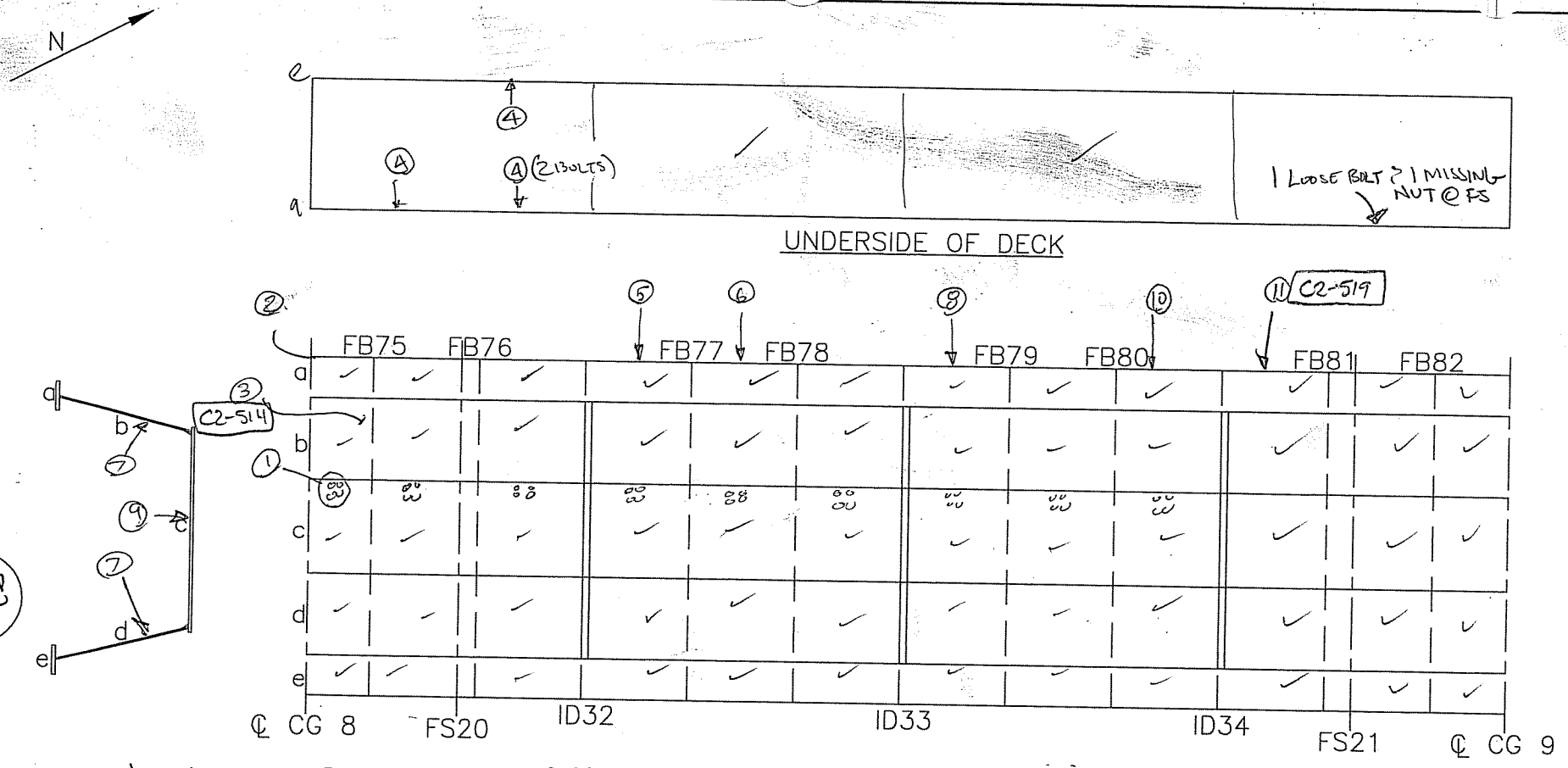
⑤ 3 1/2" CRACK IN B.M. @ STIFFENER TO DECK WELD

⑥ 3/4" " IN W.M. " ⑦ 1 1/4" CRACK IN W.M. OF LIFTING LUG/DECK WELD

⑧ ~~1" CRACK IN W.M. @ STIFFENER TO DECK WELD~~ ⑨ (1) MISSING BOLT IN DECK SPLICE @ FS 19

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M.		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJJ/BS	4/1/08	2 of 2
MJJ/BS/PN	4/2/08	1 of 3

BKC/SMD 4/9/08

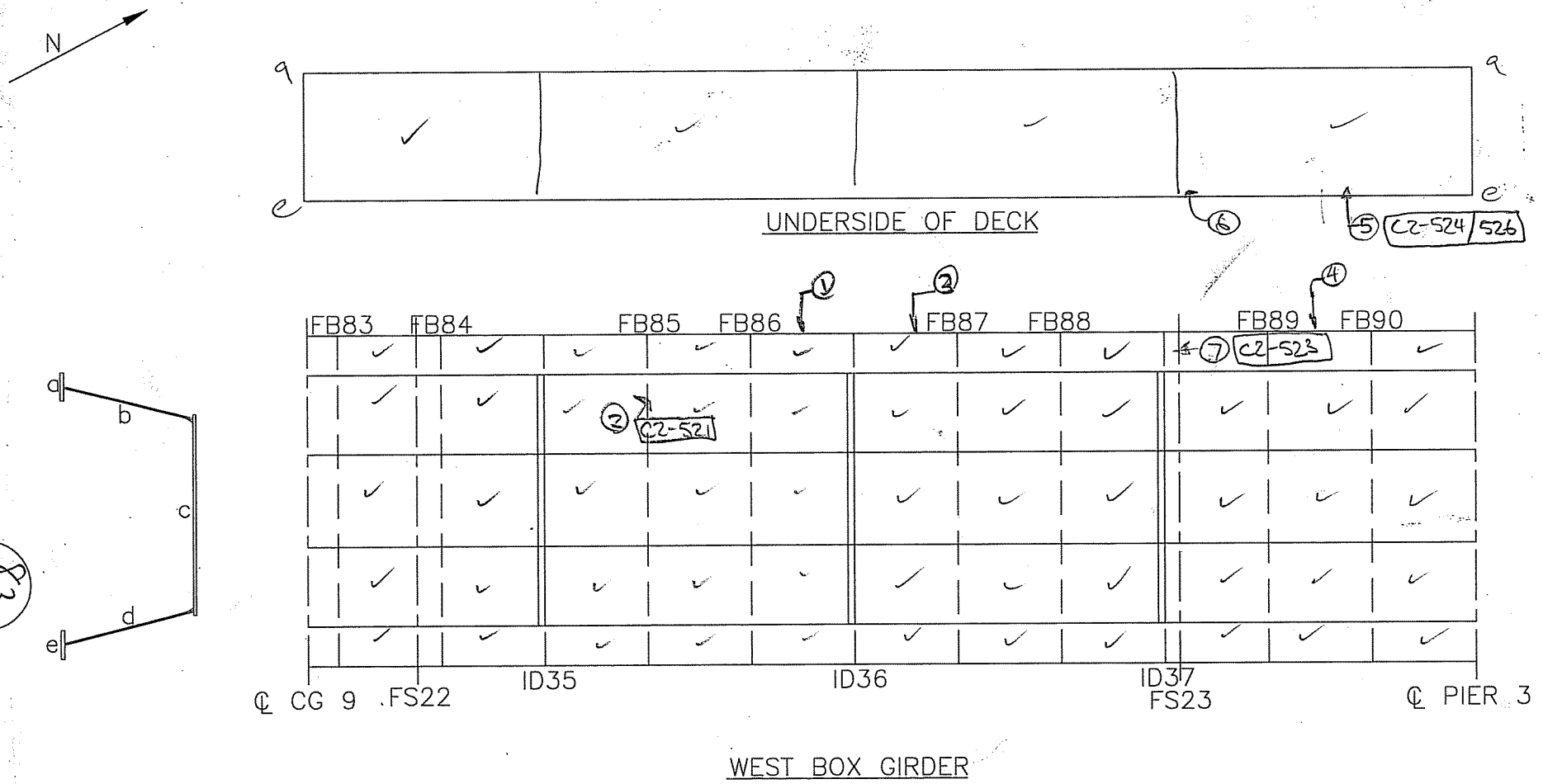


NOTE: CHECK PLANS FOR BOLT SIZE SPECIFIED FOR DECK PLATE SPLICES & CROSS FRAMES.

① FOUR EMPTY BOLT HOLES ② MISSING 3" ϕ PLUG @ TOP OF CROSS GIRDER PENETRATION
③ MISSING BOLT IN DIAGONAL SPLICE C2-514 CONNECTION ④ BROKEN BOLT IN DECK PLATE SPLICE
⑤ 3 3/4" CRACK IN B.M @ STIFFENER TO DECK WELD
⑥ 7" CRACK IN B.M. BETWEEN WELD @ STIFFENER TO DECK WELD.
⑦ RUST SHEETING ACCUMULATION ON TOP OF HORIZONAL WEB STIFFENERS C2-515
⑧ 3 1/4" CRACK IN B.M. @ STIFFENER TO DECK WELD ⑨ SHEETING RUST COMMON ON FLOORS, F
⑩ 2 1/2" CRACK IN B.M. @ STIFFENER TO DECK WELD
⑪ TIP OF WELD @ STIFFENER TO DECK APPEARS TO BE BROKEN OFF. C2-519

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MW/BS/PN	4/2/08	2 of 3
		of



8 3 333

① 3/4" CRACK IN W.M. @ STIFFENER TO DECK WELD

② BROKEN CONDUIT BRACKET @ FB 85

③ 1/2" CRACK IN WELD METAL @ STIFFENER TO DECK WELD

④ 3 1/4" Crack IN B.M. OF WELD BETWEEN STIFFENER AND DECK

⑤ 2 3/4" CRACK IN BM. OF WELD AT LIFTING LUG C2-524 - C2-526 ⑥ MISSING BOLT IN DECK SPLICE @ FS 23

⑦ TOP LONG. HOR. STIFFENER @ FS 23 IS BENT @ SPLICE CONNECTION C2-523

CTLGroup

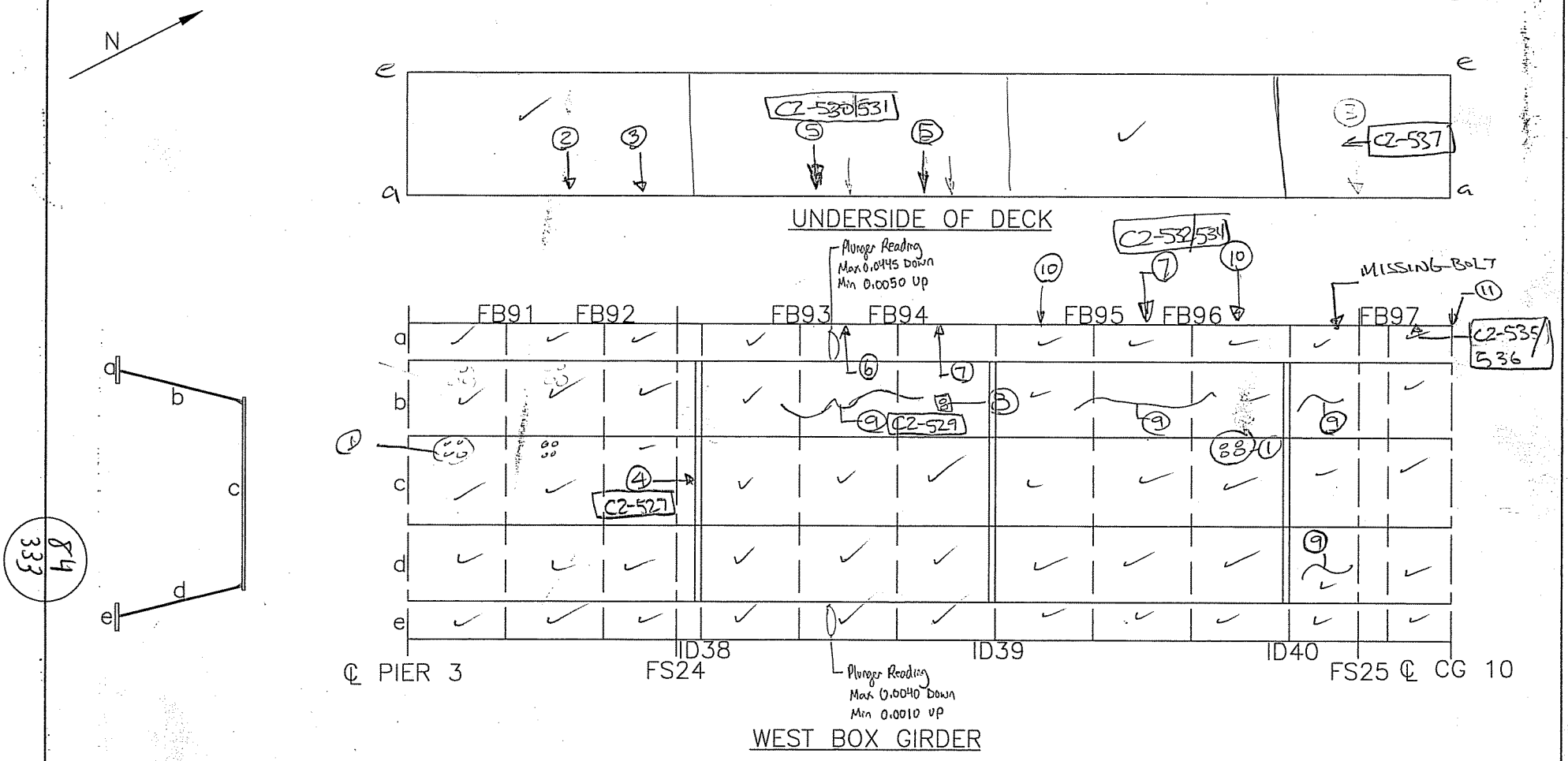
Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

FRAMING SPAN 3M

JOB: P710070019

CREW:	DATE:	SHEET:
MLL | BS | PN	4/2/08	3 of 3
MLL | BS	4/3/08	1 of



① FOUR EMPTY BOLT HOLES ② 2" CRACK IN B.M. OF WELD BETWEEN DECK LIFTING LUG

③ TWO MISSING NUTS AND ONE LOOSE BOLT IN DECK CONNECTION @ FS 25

④ BROKEN LADDER RUNG @ ID 38 C2-527 ⑤ 3 3/4" CRACK IN B.M. OF WELD BTWN DECK & LUG C2-530/531

⑥ 1 3/4" CRACK IN B.M. BTWN DECK & STIFFENER ⑦ 5" CRACK IN B.M. BTWN DECK & STIFFENER

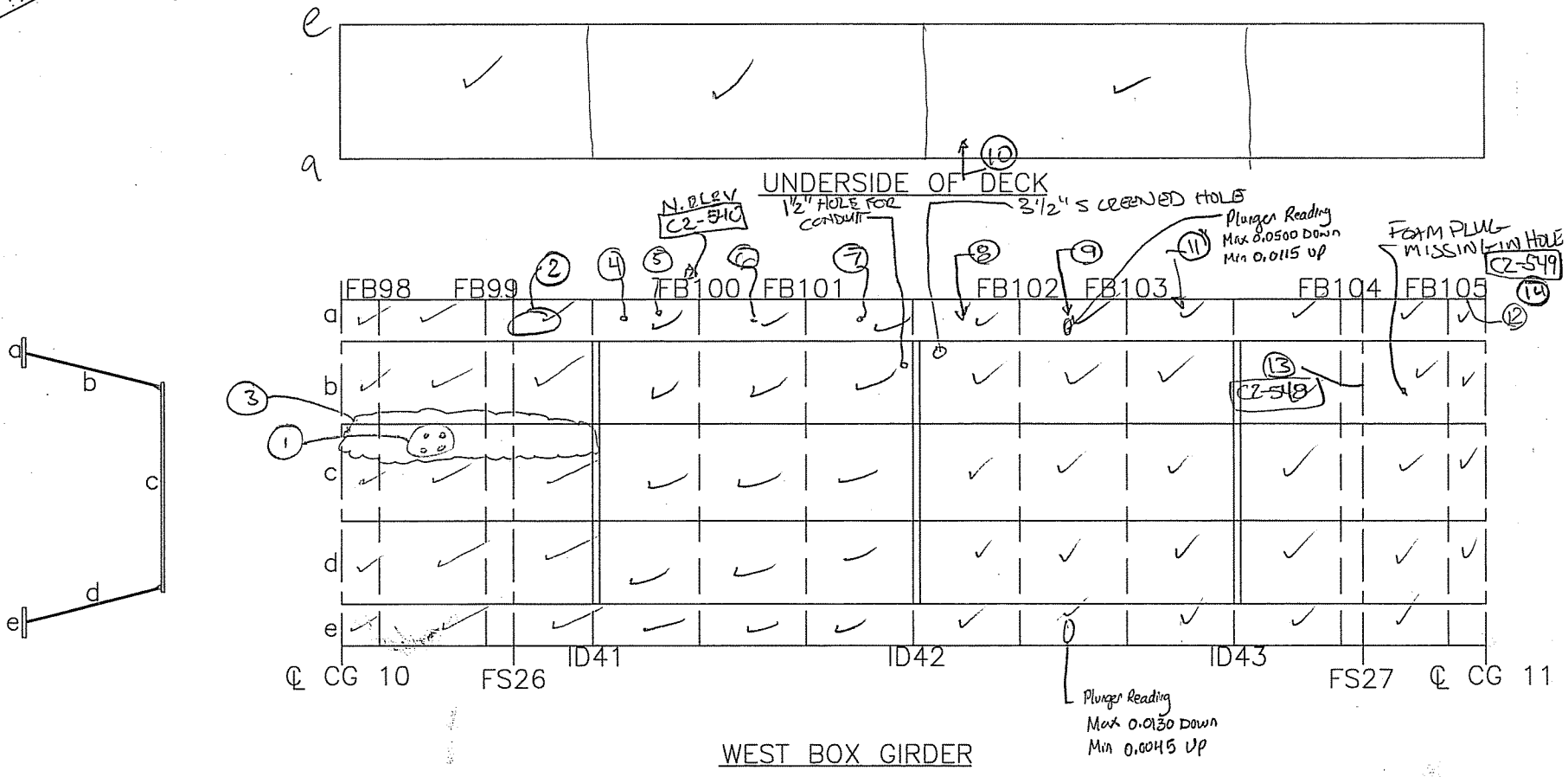
⑧ ELECTRICAL OUTLET NOT WORKING ⑨ MODERATE RUST SHEETING ON INTERIOR WEB WALL C2-529

⑩ 2 3/4" CRACK IN BM BTWN DECK & STIFFENER ⑪ FOAM ROLL MISSING AT WEB HOLE @ TOP OF CL 10

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 4M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MW/BS	4/3/08	2 of 2
MW/BS/BCM	4/4/08	1 of 2
BKC, SMD	4/9/08	

GEN. NOTE - ELECTRICAL OUTLETS DO NOT WORK



(1) 4 BOLT-HOLES / UNDER STIFF

(2) UNDER SIZED BOLTS AT DECK PAN SP. WITH MISSING NUT C2-539

(3) LT DEBRIS W/ MOISTURE BTWN WEB/ 1ST STIFF C2-538

(4) CR. NGS IN B.M. 2" 1ST STIFF N. ID41

(5) CR. NGS IN B.M. 2½" 2ND STIFF N. ID41

(6) CR. NGS B.M. 2" 1ST STIFF N. OF FB100

(7) CR. NGS. B.M. 4" 1ST STIFF N. OF FB101 C2541-543

(8) 2¾" CRACK IN B.M. @ STIFFENER TO DECK WELD

(9) 2" CRACK IN B.M. @ STIFFENER TO DECK WELD

(10) CRACK IN B.M. 3" @ LUG N OF FB102 C2-544/547

(11) 2" CRACK IN STIFFENER TO DECK WELD THROUGH B.M.

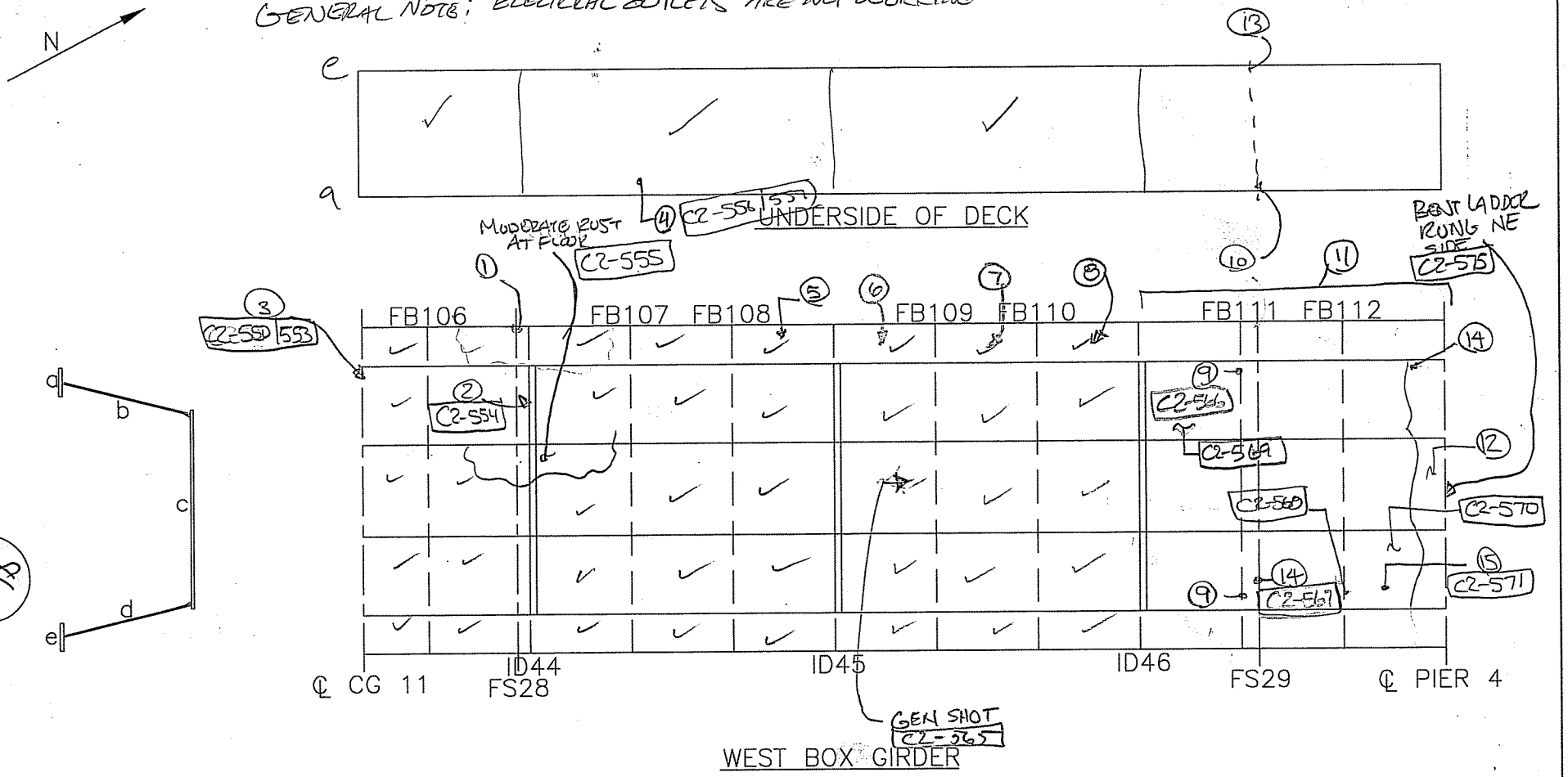
(12) DIAGONAL STIFFENER & DECK ARE RUBBING-MAKING DUST

(13) FIELD SPLICE WEB PLATE IS SLIGHTLY BUCKED, C2-546

(14) CR INTO STRESS RELIEF HOLES TOP & BOT (NO PROP. FASTNERS)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 4M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MJJ, BS	4/4/08	2 of 2
BKC/SMD	4/9/08	of

GENERAL NOTE: ELECTRICAL OUTLETS ARE NOT WORKING



① 4 LOOSE BOLTS IN TOP OF DECK SPLICE @ FS 28, ALSO 3 MISSING NUTS @ DECK SPLICE BRACKET IMMEDIATELY SOUTH OF FS 28. C2-554

② RUST SHEETING ON ID44. ③ RUST ON TOP OF CG11 AND ALONG SPLICE PLATES FROM WATER C2-550-553

④ 2¼" CRACK IN BM @ DECK TO LUG WELD C2-556/557 ⑤ 3½" CRACK IN BM @ STIFFENER TO DECK WELD

⑥ 4¼" B.M. CRACK 1ST STIFF N. OF ID45 C2-562 THRU 564 ⑦ ¼" W. M.B. N. WELD, 1ST STIFF N. FB109

⑧ 3/8" IN B.M. S. WELD, 1½" B.M. N. WELD, 1ST STIFF N. FB110

⑨ INTERSECTING WELDS @ STIFFENER / WEB / FLOORBEAM WELD. C2-566 ⑩ (3) MISSING OR LOOSE NUTS @ EDGE OF DECK SPLICE (FS29)

⑪ BAY ID46-ID47 HAS MORE EXTENSIVE SHEETING RUST. ℄

⑫ PIGEON DEBRIS ACCUMULATING ON FLOOR / TOP OF STIFFENERS NEXT TO ID47 C2-570

⑬ 2 LOOSE BOLTS AND 1 MISSING NUT @ DECK SPLICE ⑭ STRESS RELIEF HOLE HAS CRACK INTO IT, NOT BEYOND. C2-567

⑮ (2) DRIFT PINS IN DIAGONAL SPLICE INSTEAD OF BOLTS C2-571

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

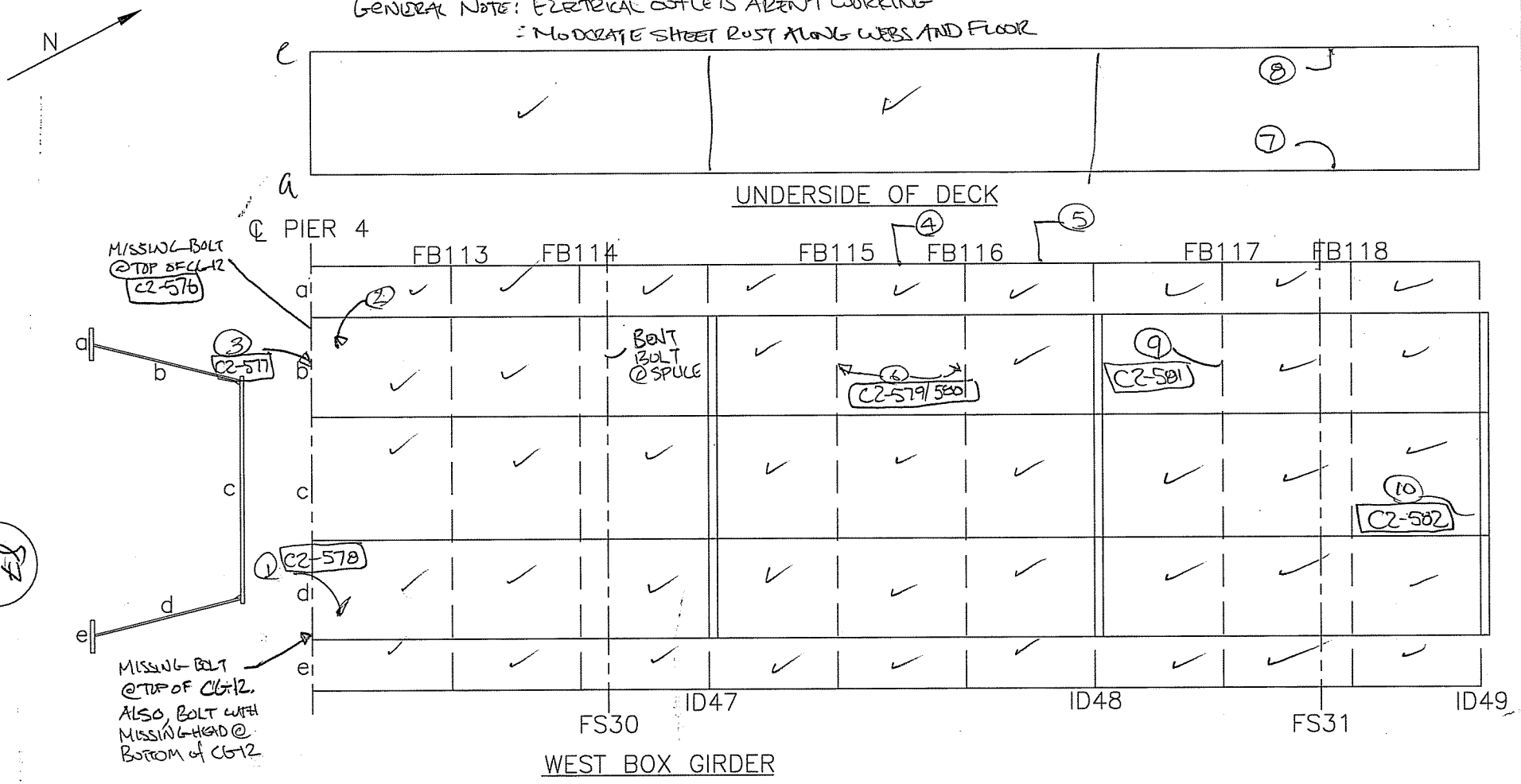
NOTES BY: TranSystems

FRAMING SPAN 4M

JOB: P710070019

CREW:	DATE:	SHEET:
MJJ/BS	4/4/08	1 of 1
MJJ/BS/BCM	4/5/08	1 of 2

GENERAL NOTE: ELECTRICAL OUTLETS ARENT WORKING
= MODERATE SHEET RUST ALONG WEBS AND FLOOR



333

(1)(2) MISSING BOLTS @ DIAGONAL SPLICE PLATE C2-578

(2) 1 MISSING BOLT @ DIAGONAL SPLICE PLATE (3) PACK RUST IN BETWEEN TOP OF CG12 AND SPLICE C2-577

(4) 3 1/4" CRACK IN B.M. @ STIFFENER TO DECK WELD (5) 1' CRACK IN B.M. @ STIFF. TO DECK WELD

(6) CONDUIT IS ABRADING AT EACH ATTACHMENT TO THE STIFFENER C2-579/580

(7) (4) MISSING OR LOOSE BOLTS AT OUTSIDE DECK CUP SPLICE

(8) (2) LOOSE BOLTS @ OUTSIDE DECK CUP SPLICE

(9) ELECTRICAL JUNCTION BOX IS MISSING 2 OUT OF 4 BOLTS

(10) LONG. STIFFENER IS SLIGHTLY BENT

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

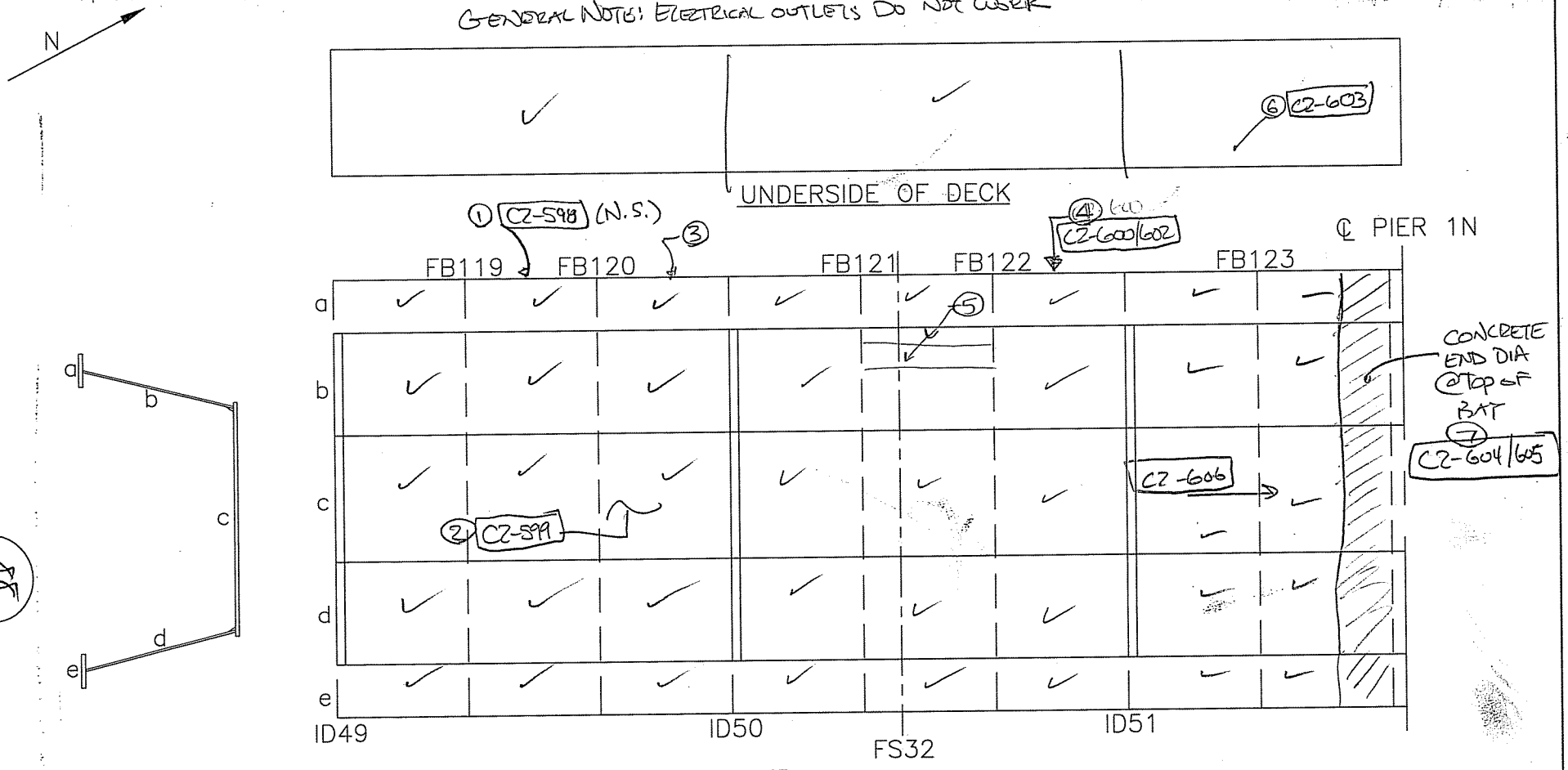
NOTES BY: TranSystems

FRAMING SPAN 5M

JOB: P710070019

CREW:	DATE:	SHEET:
MJ/BS	4/5/18	2 of 2
		of

GENERAL NOTE: ELECTRICAL OUTLETS DO NOT WORK



① CRACK IN W.M. of stiffer to deck weld, 1 3/4" on South side, 1 1/2" on N. side C2-598

② ALUMINUM FRAME AND OTHER CONSTRUCTION DEBRIS C2-599

③ 1 1/2" CRACK IN W.M. OF STIFFENER ON SOUTH SIDE.

④ 4" B.M. CRACK IN STIFF to DECK WELD C2-600/602

⑤ SAND ACCUMULATED @ TOP of STIFFENERS

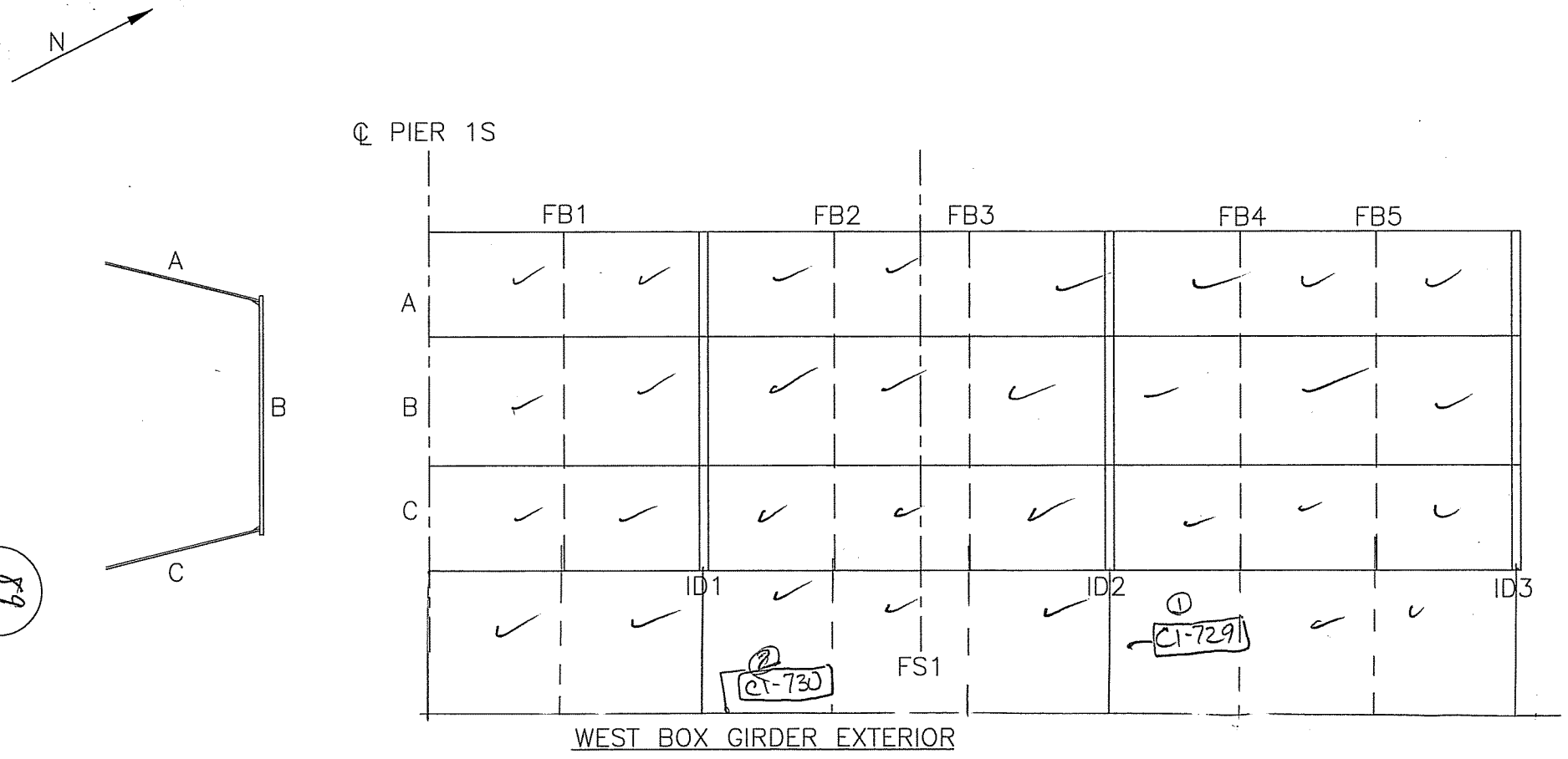
⑥ 2 1/4" CRACK IN B.M. @ LUG to DECK WELD C2-603

⑦ CONCRETE DIA. HAS MINOR TRANSVERSE CRACKS AND EFFLORESENCE ON BOTTOM C2-604/605

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 5M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJJ/JBS	4/7/08	1 of 1
		of

33 of

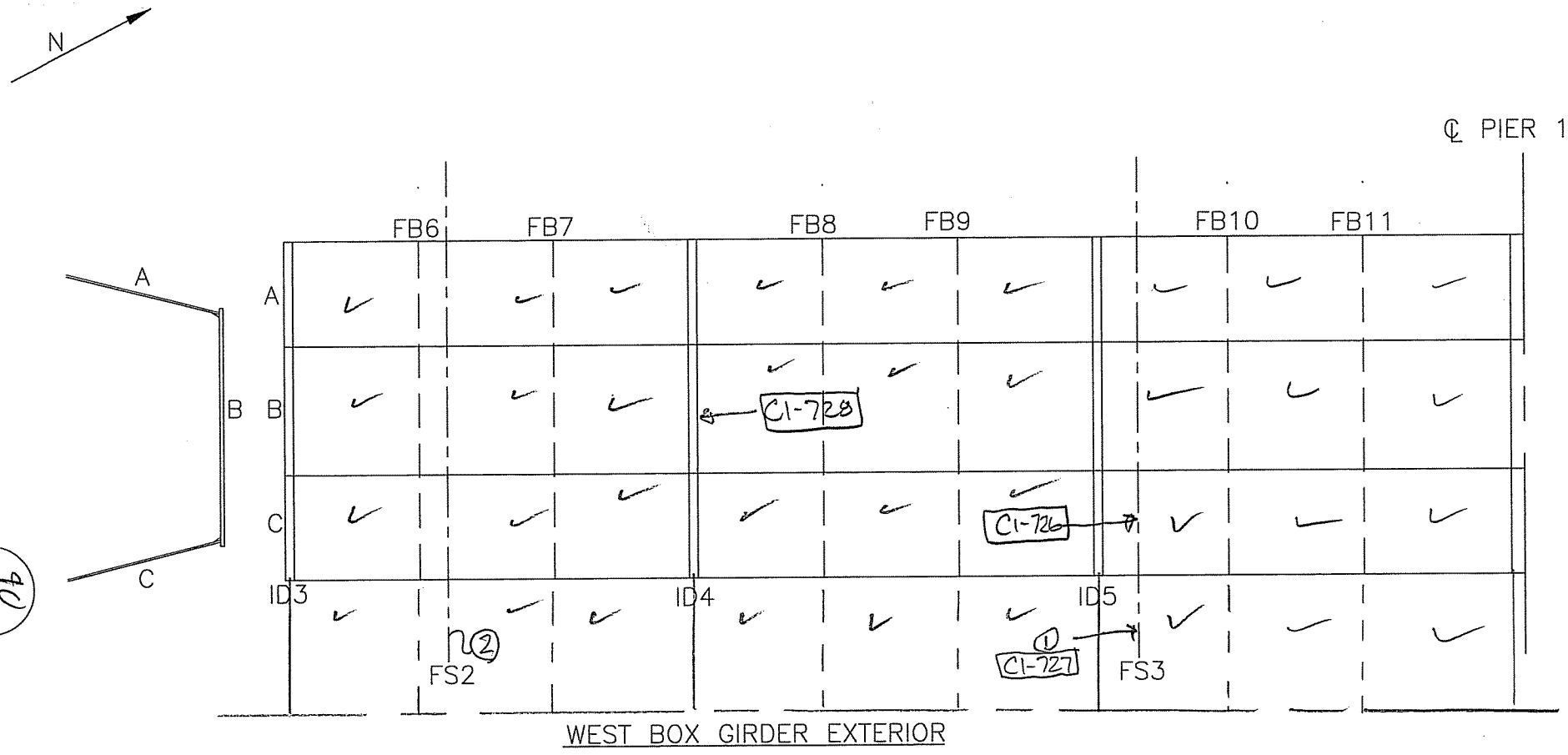


89
333

① N OF ID 2, MINOR LEACHING THRU DECK SPLICE (CI-729)

② NO NUTS @ UNDERSIDE OF LIGHTPOLE ATTACHMENT (CI-730)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 1M		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJJ	4/8/08	2 of 3
		of

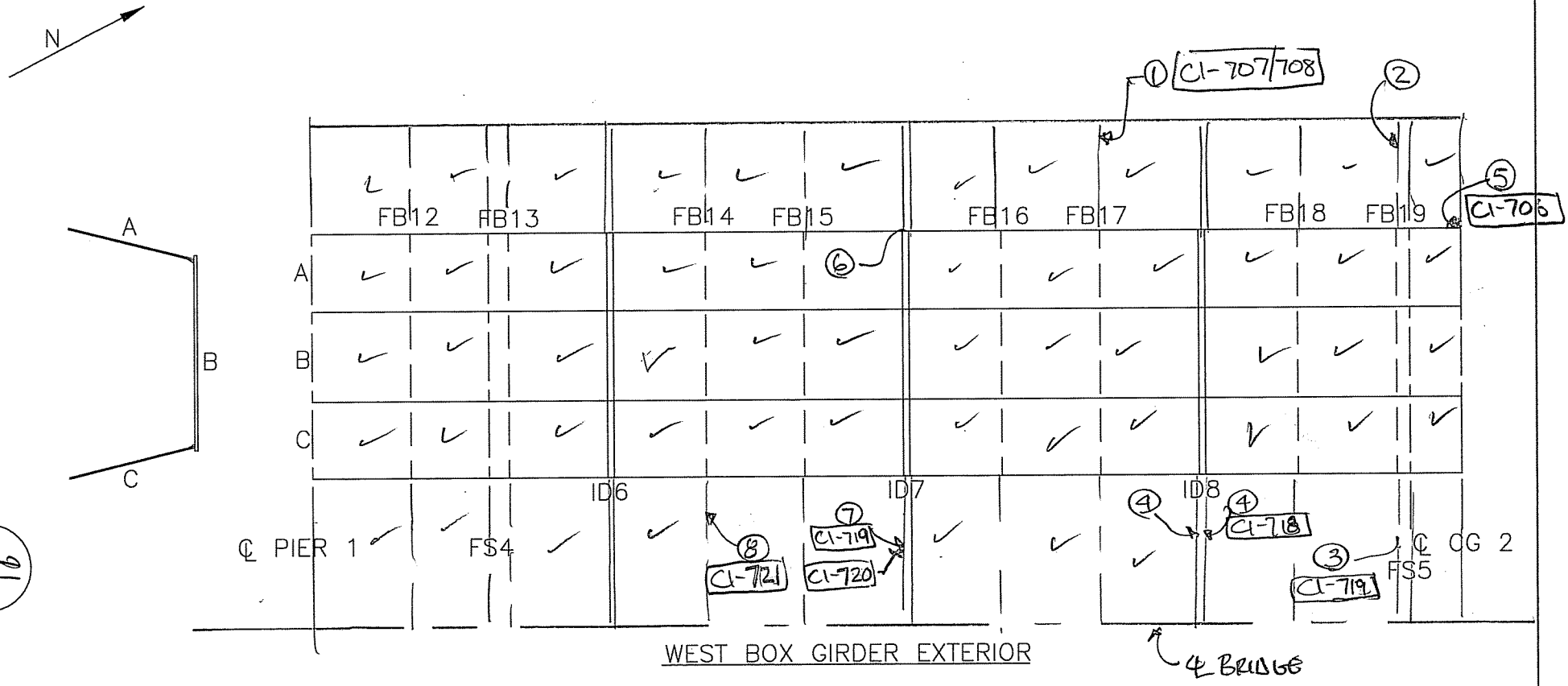


40
333

① MINOR LEACHING @ CUP @ FS #3 C1-727
② " " " " " FS#2

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 1M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJ	4/8/08	1 of 3
		of



① BOTTOM FLANGE FB17 BENT CI-707/708

② 2 SCREENS MISSING ON CUP SPLICE @ FS5

③ LEACHING @ FS5 BETWEEN EAST AND WEST GIRDERS CI-717

④ LEACHING @ LONGITUDINAL DECK SPLICE @ ID8 CI-718

⑤ W GIRDER @ CG 2 CONNECTION, PACK RUST CI-706

⑥ (4) MISSING BOLTS BOTTOM PLATE SPLICE ID7 TO WEST GIRDER

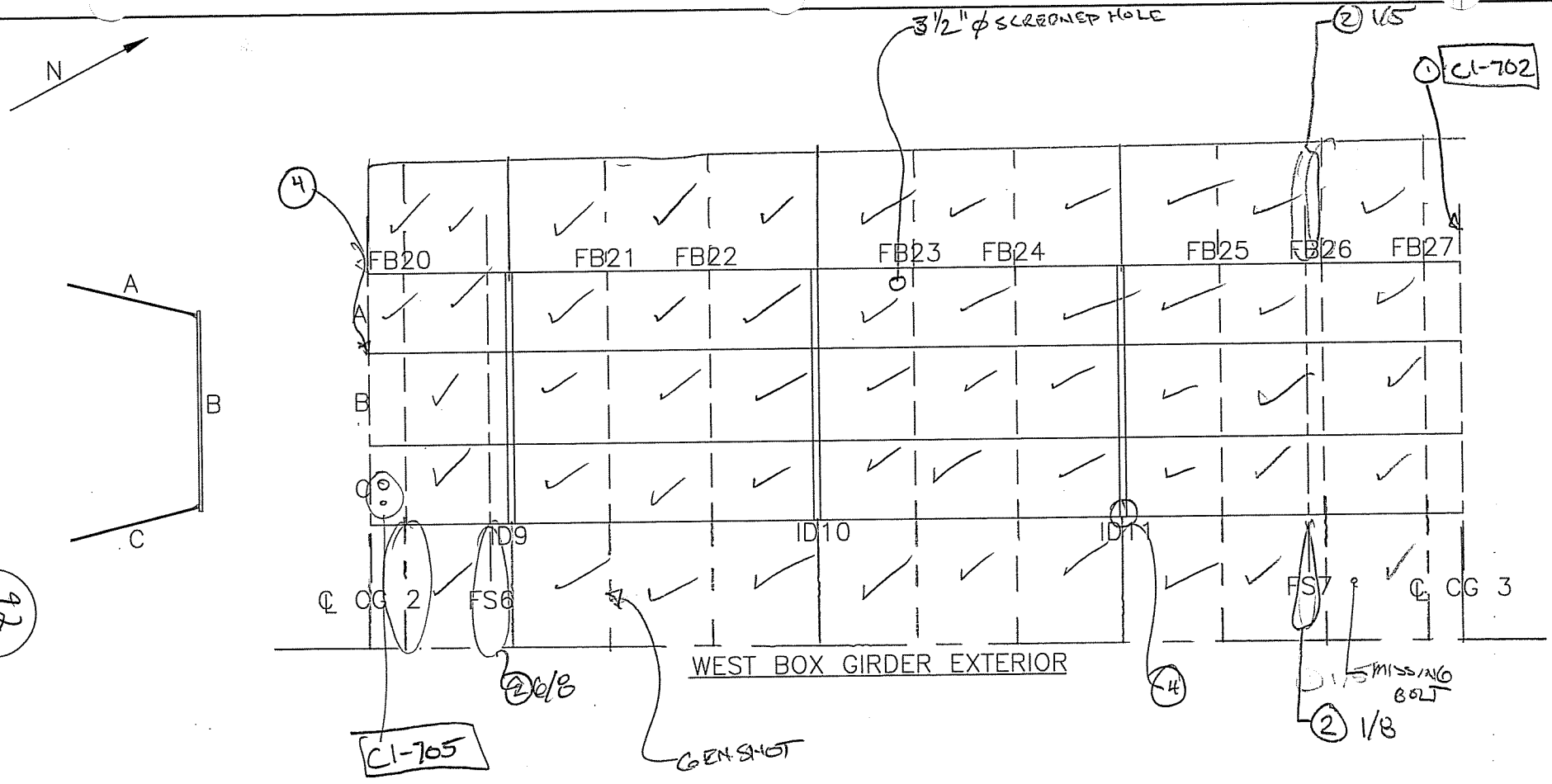
⑦ BOTTOM OF LIGHT POLE BRACKET @ S. SIDE OF ID7, NUTS MISSING @ BTM OF DECK CI-719

⑧ FB14, SLIGHT BEND IN BTM FLANGE @ SPLICE CONNECTION CI-721

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 2M	
JOB: P710070019	

CREW:	DATE:	SHEET:
MJJ	4/7/08	1 of 1
		of

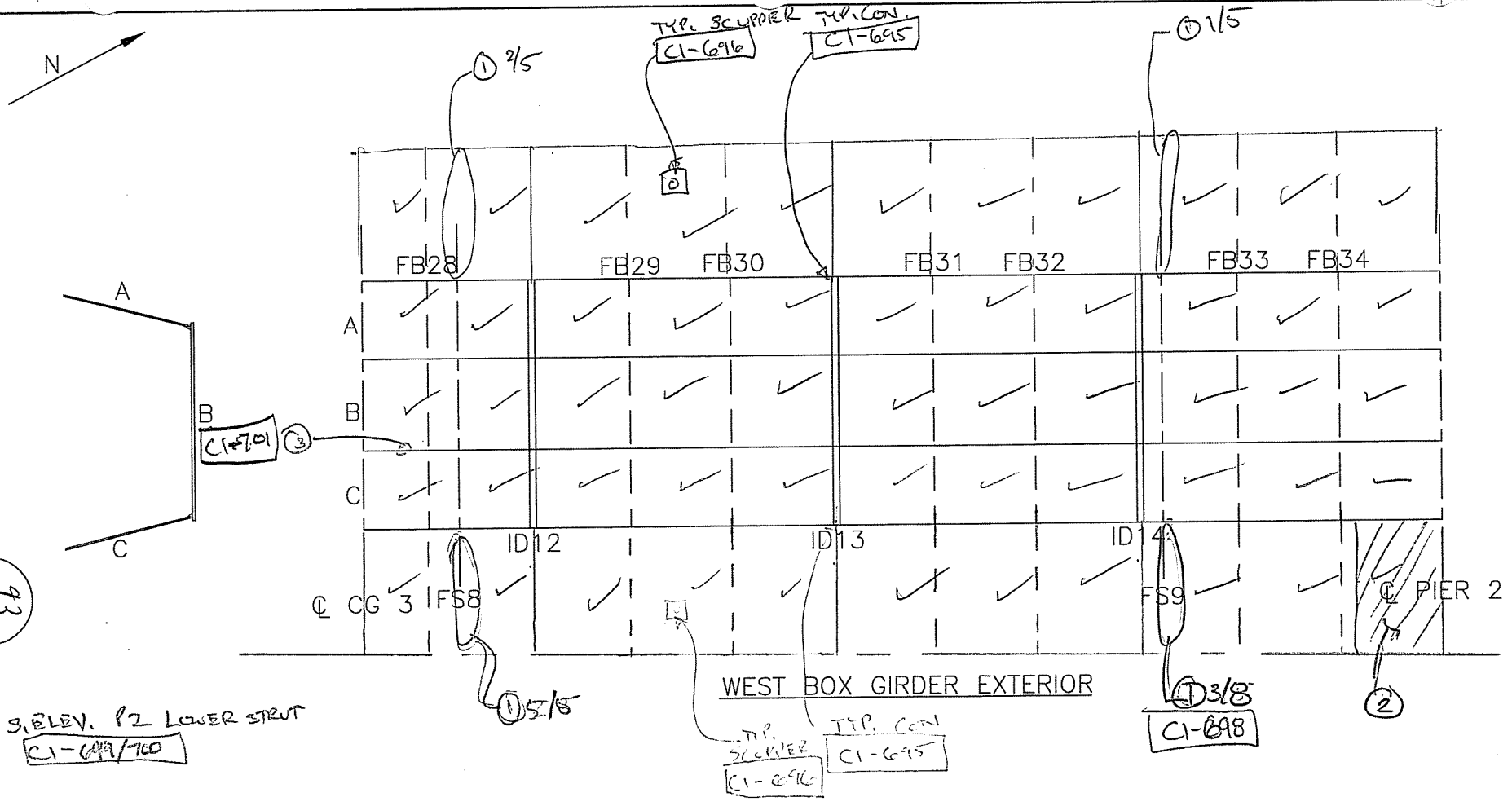
9133



1. LEECHING ON CG
2. MISSING VARMIT SCREEN
3. 3/8" MISALIGNED BOT FL AT SPL CI-703/704
4. STIFF & EM. AT BOT CG CI-705
5. CRACKS IN CAULK AROUND CABLES CI-706, GAP IN INSTRUMENT HOLE CI-707
6. LEECHING THROUGH DECK
7. 4-MISSING BOLTS, UP TO 1/4" I.R.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 2M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BCM	4/7/08	3 of 3
		of

92
333

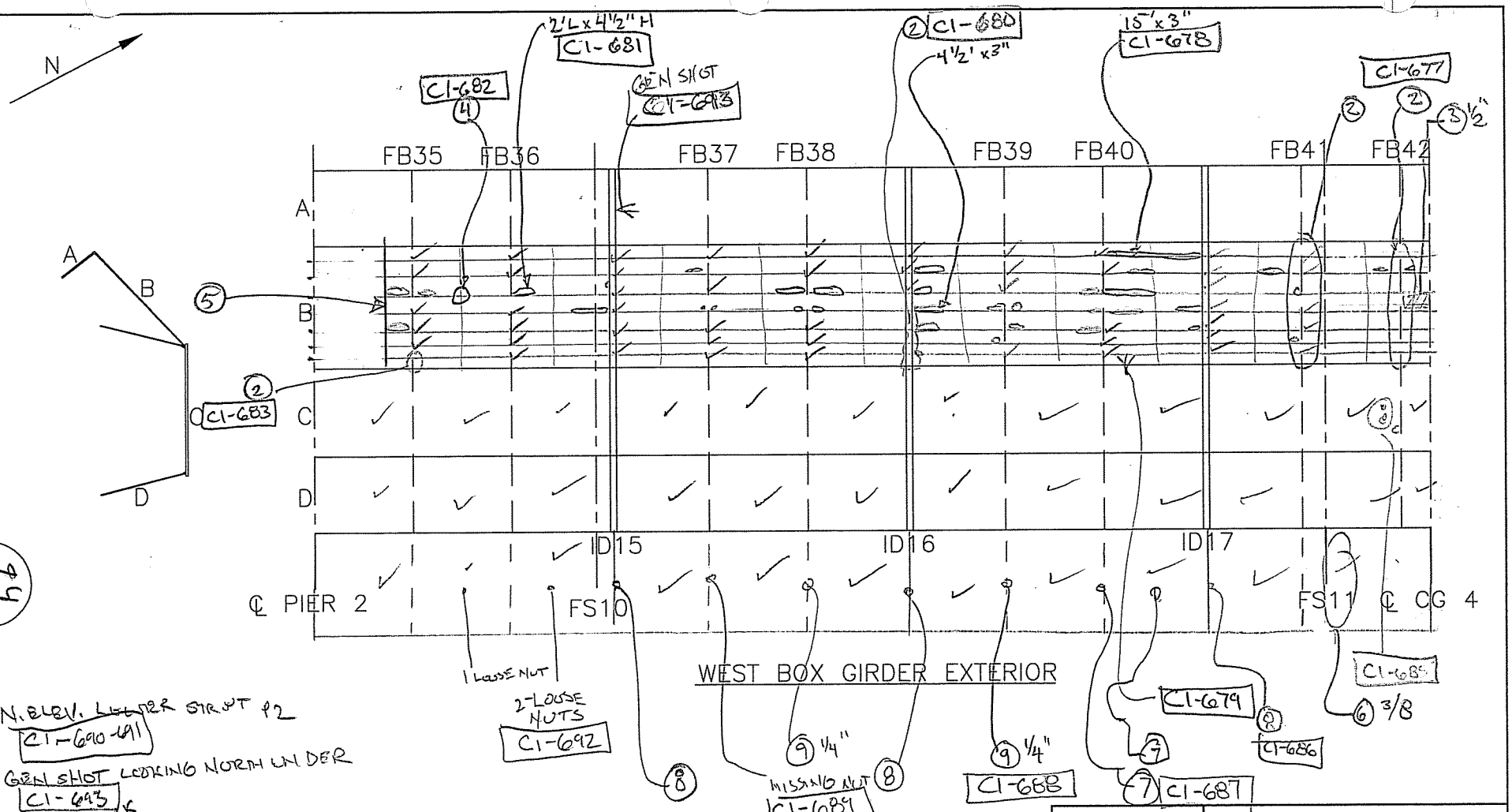


43
333

1. VARMIT SCREENS MISSING —/—
2. CAT WALK & MACHINERY C1-697
3. TYP. BOT. WEB IN GOOD COND.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 2M	
JOB: P710070019	

CREW:	DATE:	SHEET:
BSM	4/7/08	2 of 3
		of



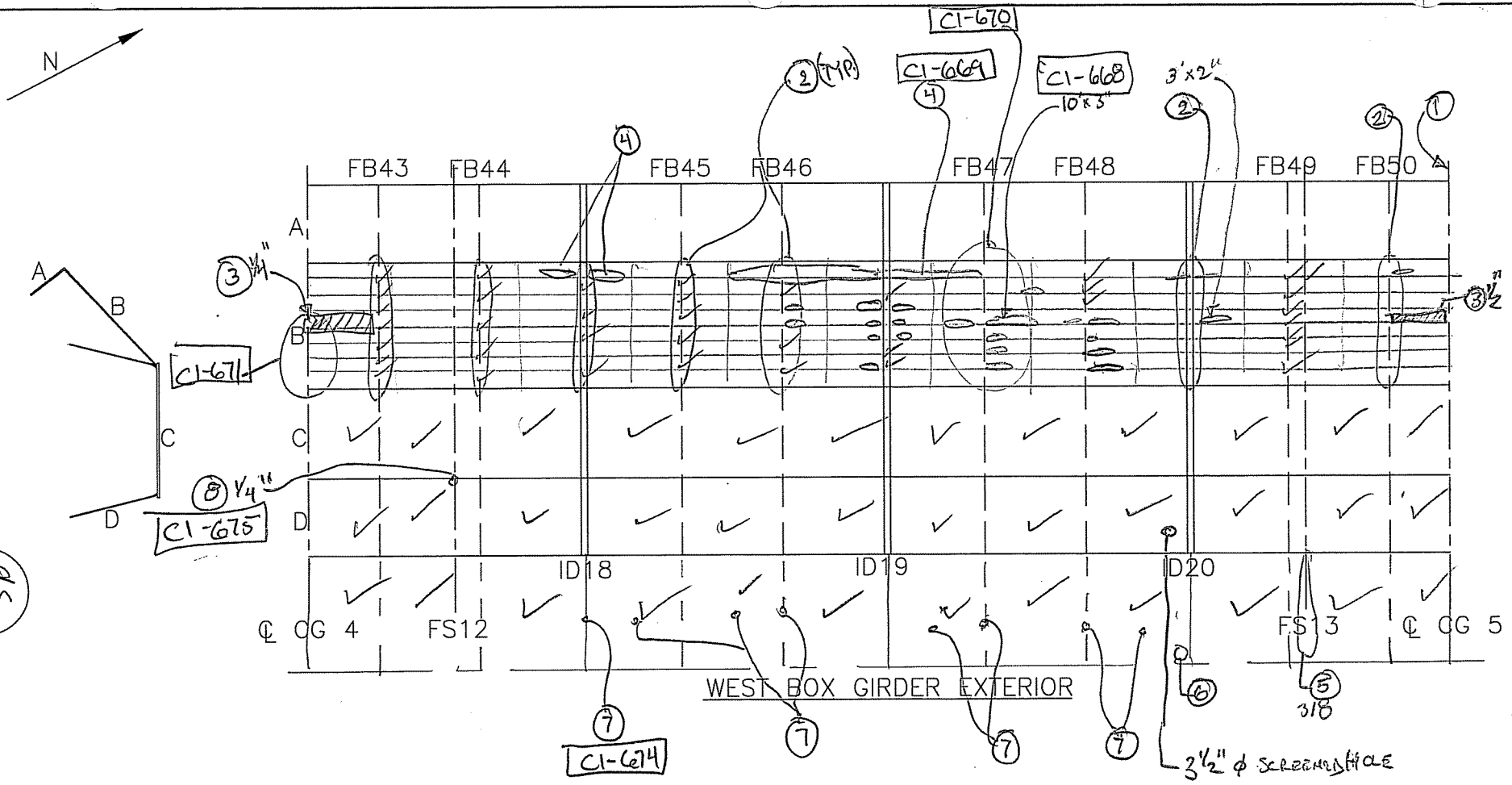
N. ELEV. LOWER STRUT #2
C1-690-691

GEN SHOT LOOKING NORTH UNDER
C1-693

1. CR'S IN CALK ALONG BOT OF CABLE ANCHORAGE C1-676
2. LEECHING AT WIND FERRING
3. FERRING SP @ W/W.R.
4. DOUBLE DRILLED SCUPPER HOLE C1-682
5. DAMAGED/MISSING SCUPPER LINING C1-684
6. VARMIT SCREENS MISSING 2/-
7. LEECHING THROUGH DPLY
8. 1/8" I.R.
9. I.R. BTWN SPL PL'S

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BCM	4/7/08	1 of 3
		of

94
333

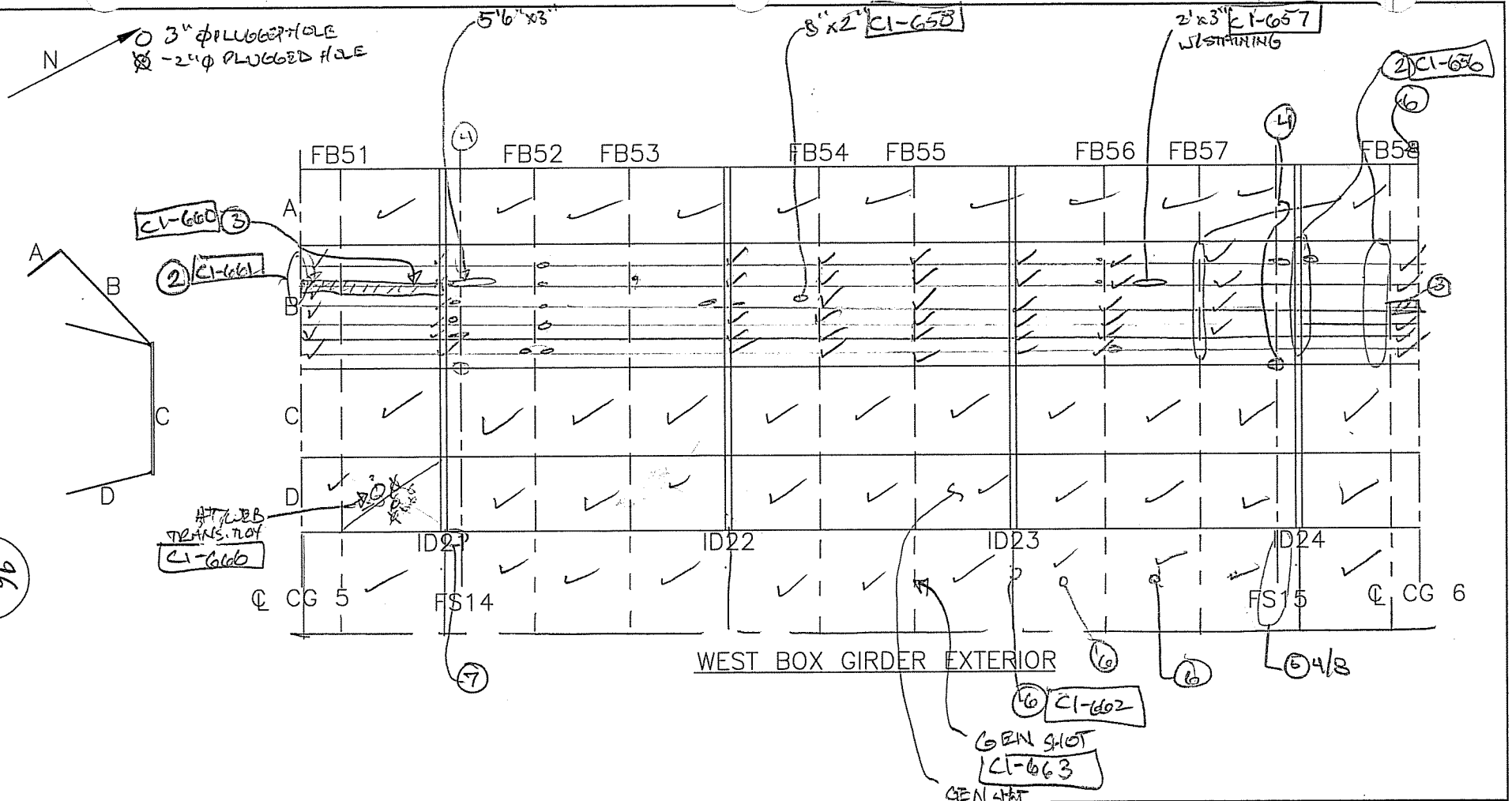


95
333

1/32-1/16

1. GAP BTWN CAULK AND CABLES C1-667
2. LEECHING FROM WIND FERRING
3. FERRING SP PL W/ LRF
4. PAPER THIN W/ HOLED THROUGH SECTIONS APPROX 3" TALL
5. VARMIT SCREENS MISSING — OF —
6. GAPS BTWN TOP, S. NUTS AT LT ANCHORAGE S. OF ID20 C1-672/673
7. LEECHING THROUGH DECK
8. MIS-ALIGNED BOT E AT FS

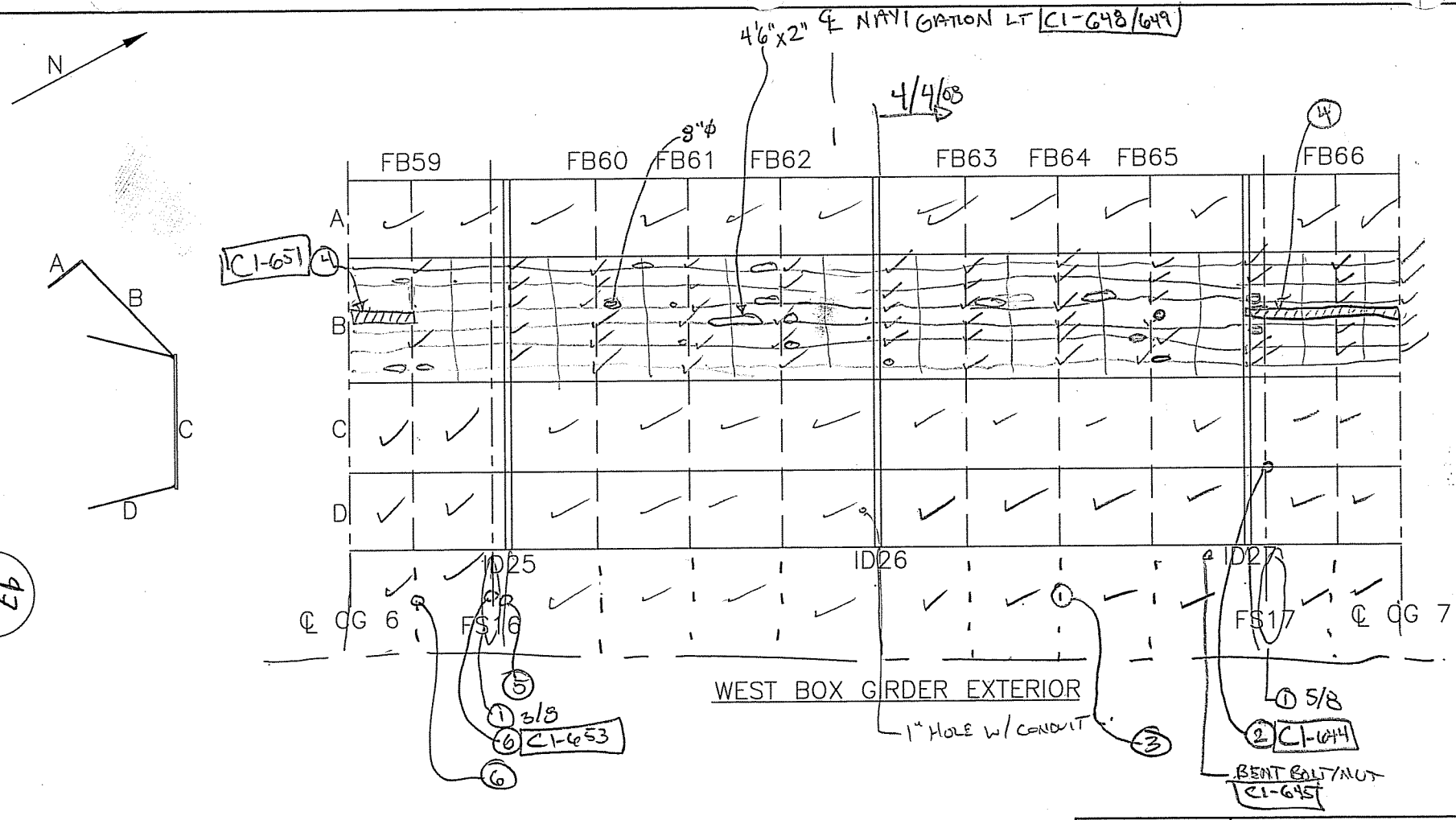
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC	4/5/08	3 of 3
		of



96
333

1. CG 6 CABLE/GROUT IN GOOD COND C1-655
2. LEECHING FROM FERRING
3. WIND FERRING SH. W/UP TO 1/2" I.R.
4. 1/8" MISALIGNMENT AT FS
5. VARMIT SCREEN MISSING ___ OF ___
6. LEECHING THROUGH DECK
7. UNDERSIZED BOLTS, 1 SHEARED OFF C1-665

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC	4/5/08	2 of 3
		of

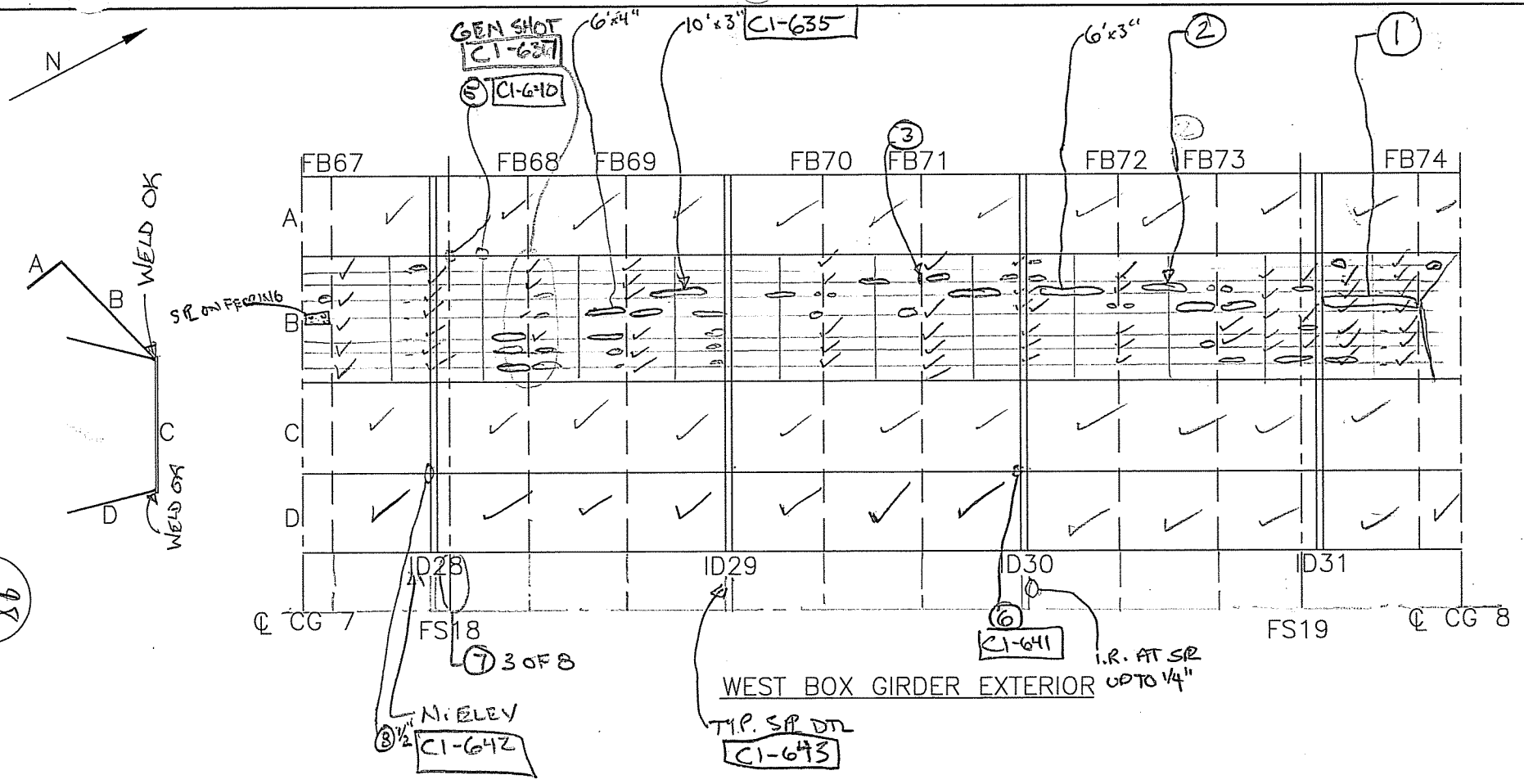


333 47

1. MISSING VARMIT SCREENS
2. MISALIGNED FS ½"
3. LGM. RUST AT SR. W/ NEG. LOSS C1-646/647
4. WIND FERRING SR @ W/ I.R. UP TO ½"
5. LEECHING ONTO ID FROM DECK C1-652
6. LEECHING FROM DECK

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC	4/4/08	4 of 4
BKC	4/5/08	1 of 3



98
333

1 Splice plate at Fairing - West / CG8 C1-633

2 LOSS IN WIND FERRING 6'L x 3"T C1-632

3 1'T x 1/2" W TORCH ON END C1-634

4 CAULK AROUND CABLES IN GOOD COND. C1-638+639

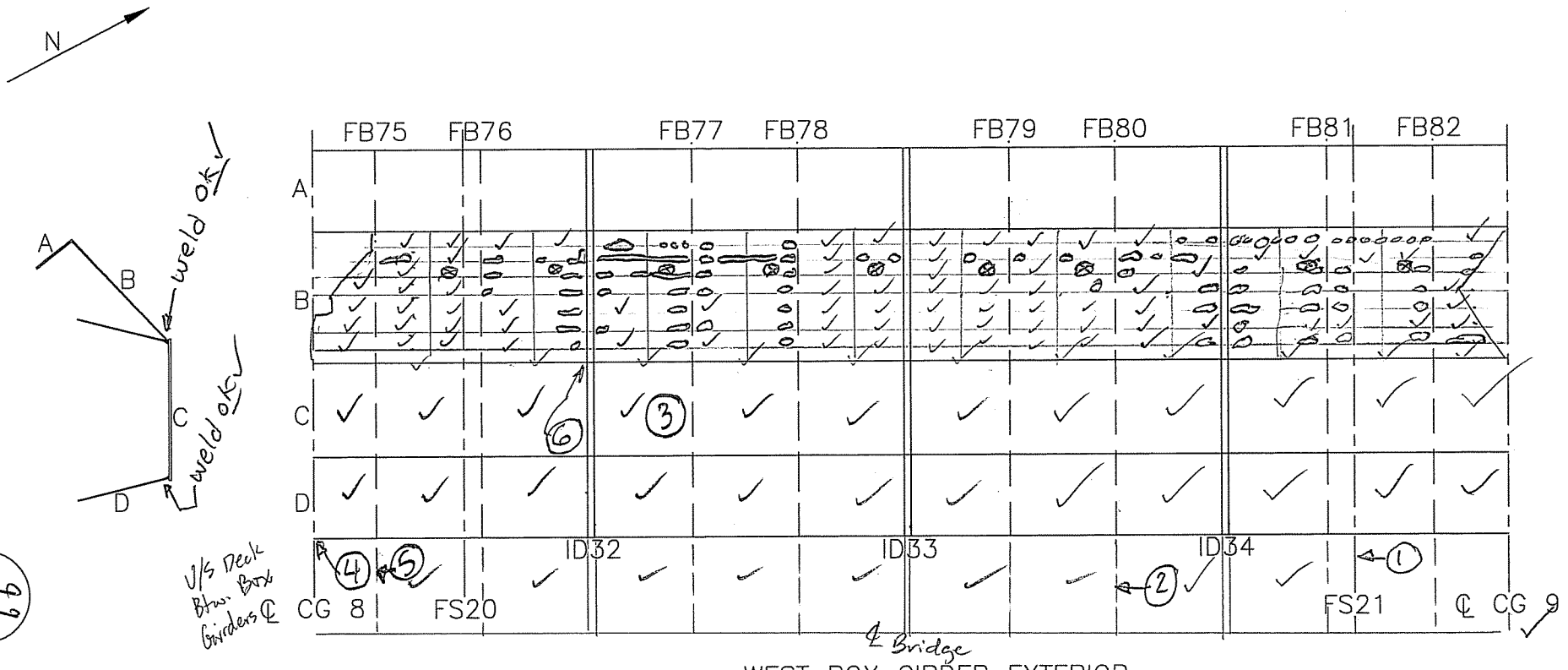
5 MISALIGNED PLATE BOT. E 1/4"

6 1/4" I.R. W/ SEC LOSS UP TO 1/8" C1-641

7 MISSING VARMIT SCREENS — B —

8 I.R. ___ W/ ___ LOSS

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
PGN/BKC	4/4/08	3 of 4
		of



WEST BOX GIRDER EXTERIOR

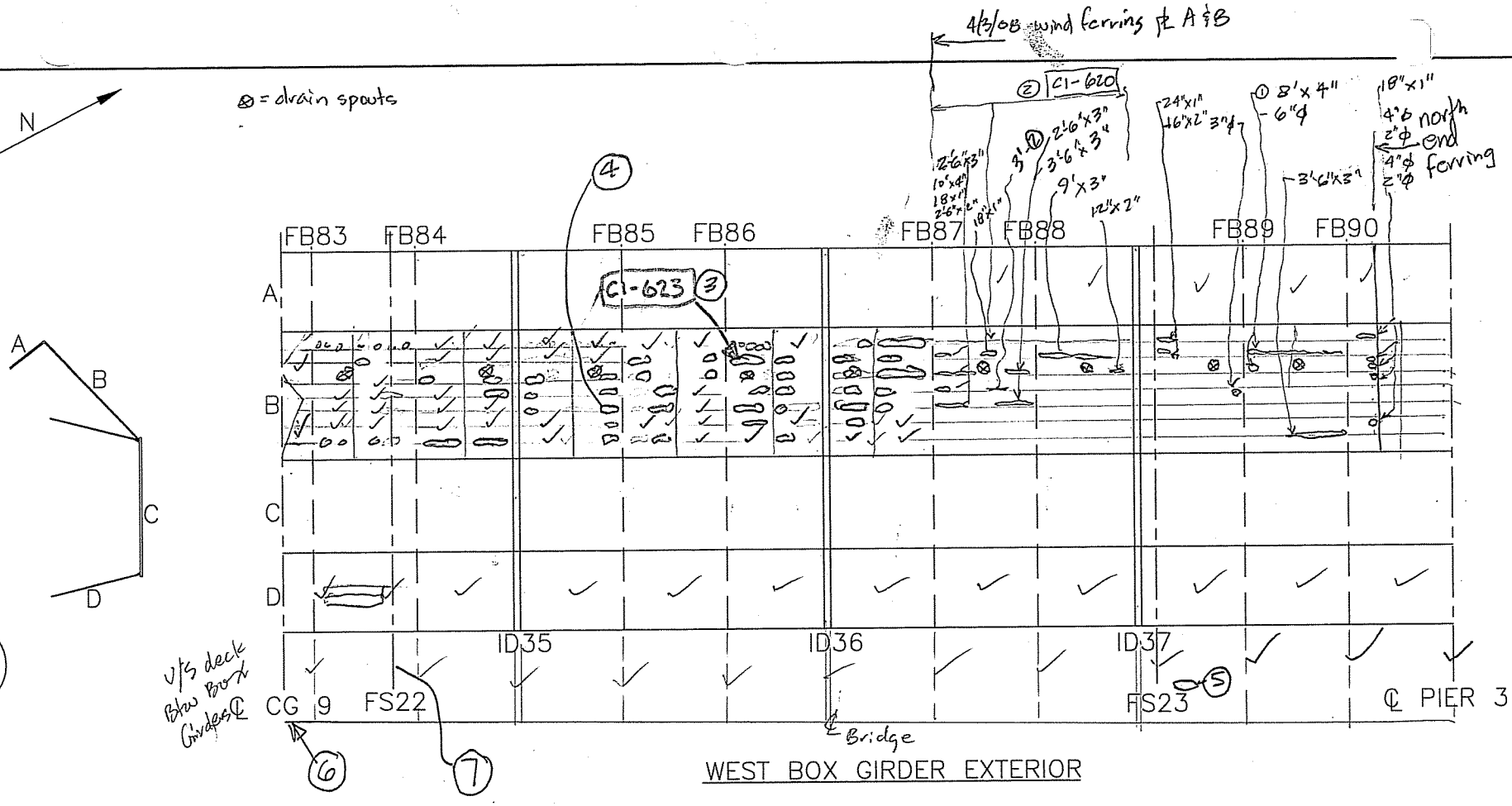
333 94

✓ ok-no problems noted
⊗ scupper downspout

(1) 1 of 8 screens missing on Deck Pan element
(2) minor impacted rust at bot flg of field splice C1-626
(3) lighting conduit + support C1-627 (may be wind measuring pole)
(4) Minor impacted rust at corner of CG8 C1-628, 629
(5) 4/8 screens missing at deck pans
(6) 1/4" vertical mis-alignment at transverse BF splice C1-630, 631

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
PN	4-4-08	2 of 4
		of



WEST BOX GIRDER EXTERIOR

IPC 333

① series of pinholes with open holes along interior rib. C1-619

② series of pin holes along rib C1-620

③ Typical - Loss in Fairing at many locations

④ 25" wide x 3" high x up to 100% loss C1-624

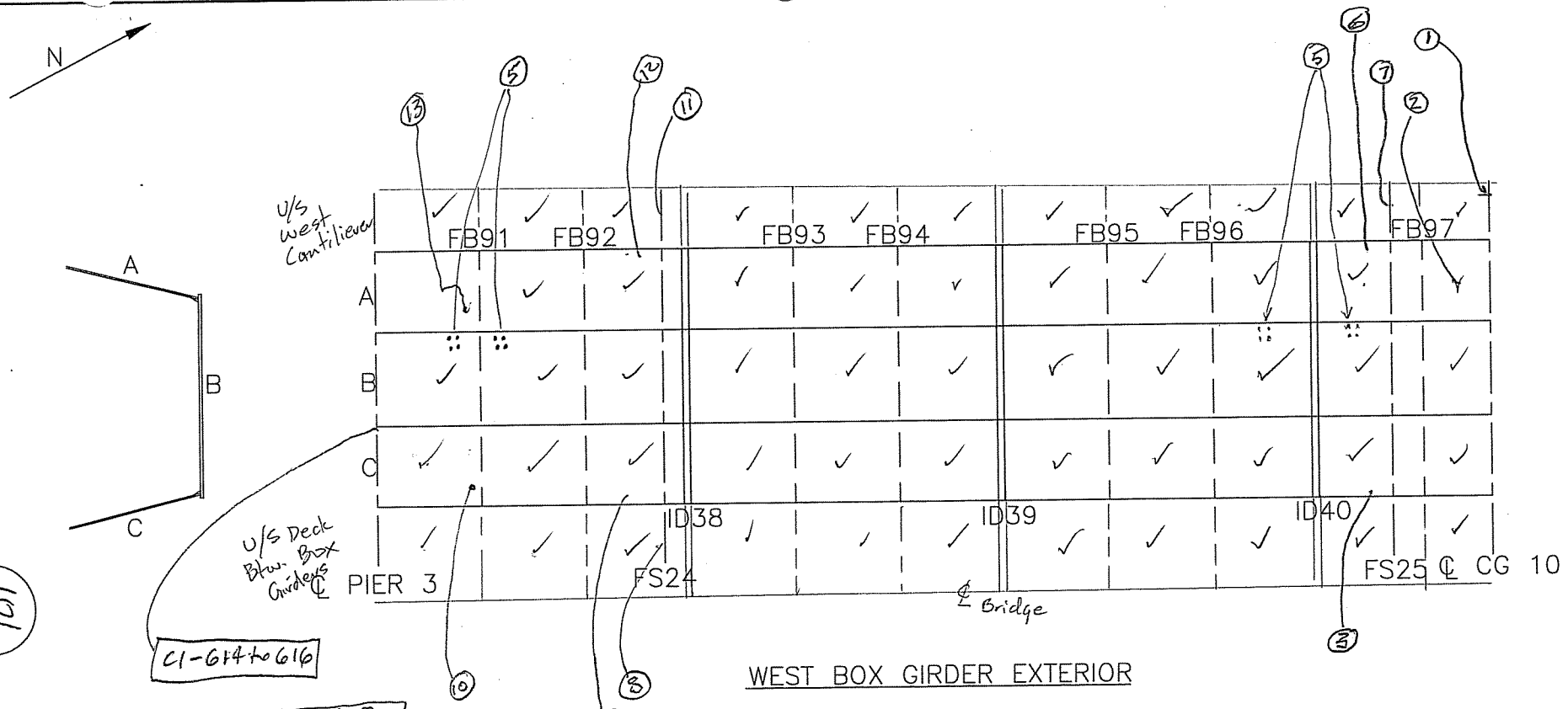
⑤ screen missing on deck pan

⑥ light pigeon debris on outside of box

⑦ 4/8 deck screens missing C1-625

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

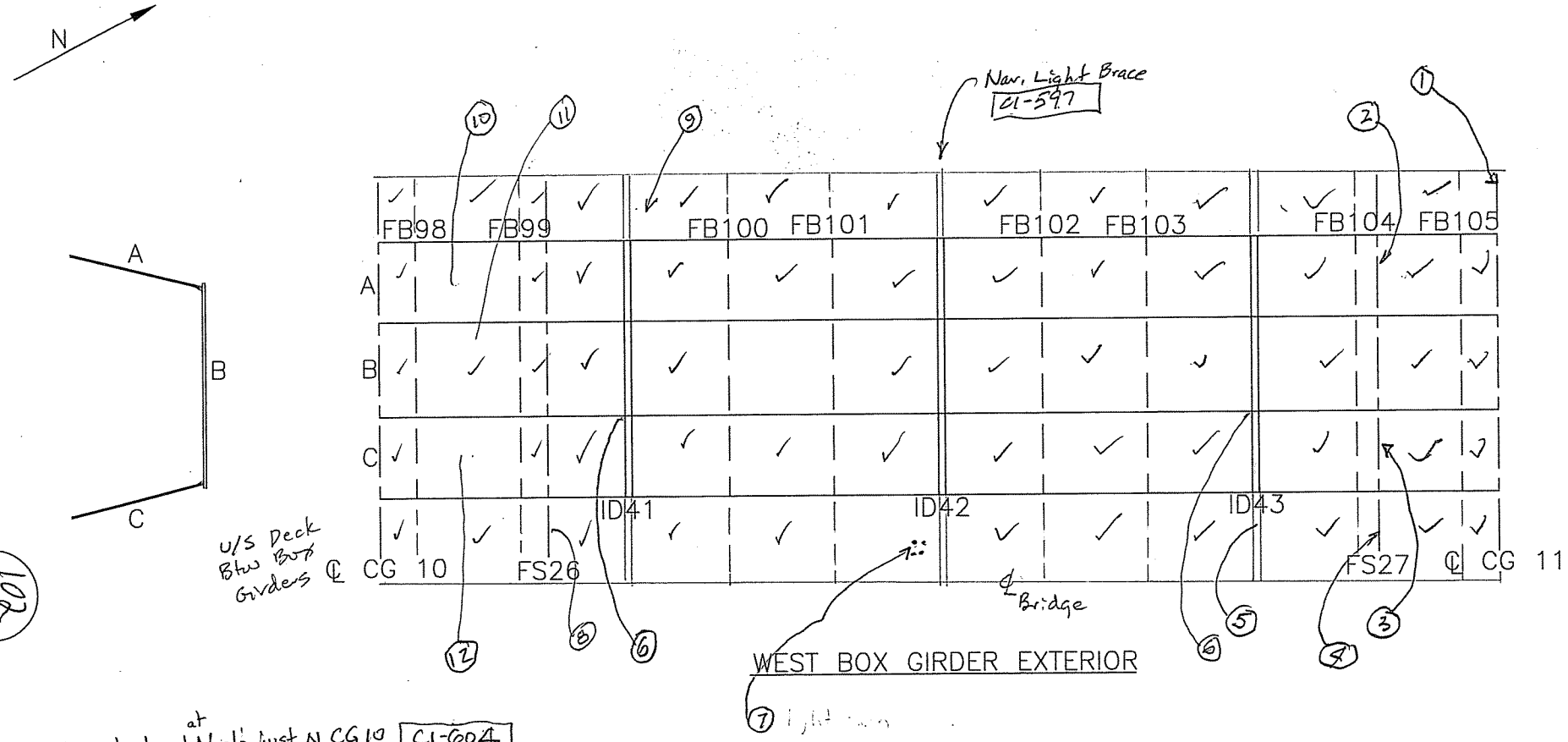
CREW:	DATE:	SHEET:
JHR	4/3/08	4 of 4
PGN	4/4/08	1 of 4



101
333

(13) hole West box W. Web C1-618
(12) one missing bolt deck support just S. F.S. 24 C1-617
(11) one missing bird screen FS24 west overhang.
(10) hole in east web west box just S. FB91, 14" below bot. flg FB91
(1) 1 missing cotter pin each in top and bot. cable gasket bolts west end CG10. C1-605
(2) N end hor. splice in E web just S CG10 torch cut hole C1-606/607
(3) Missing bolt top support for deck at E web W. box just S FS25 C1-608
(4) 1/8" pack nest at bot. flg. splice FS25 1K N C1-609
(5) group of 4 missing bolt holes west edge bot flg. btw. FS25 and FB96/and either side FB91
(6) two missing bolts in hor. deck support just so. FS25 C1-610
(7) 2 missing bird screens. FS 25 West overhang
(8) " " " FS24 btw. boxes
(9) missing bolt so. support for deck plate at FS24 C1-611

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 4M		
JOB: P710070019		
CREW:	DATE:	SHEET:
JHL	4/3/08	3 of 4
		of

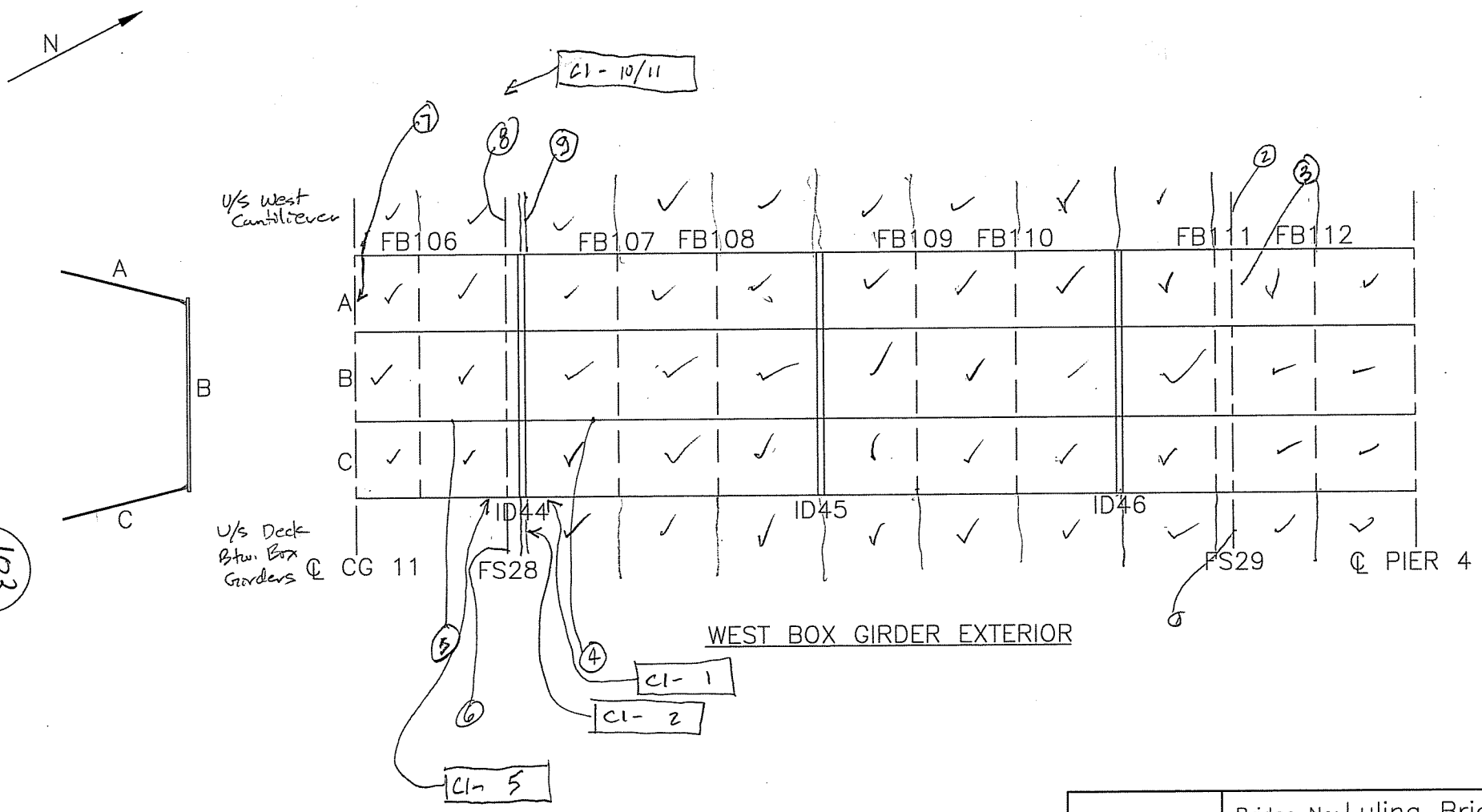


102
333

(12) Arrested crk at hole just N CG10 C1-604
(11) 4 missing bolts s. FS 26 bot. flg. C1-603
(10) Arrested crk in hole below Inc. splice NCG10 C1-601/602
(1) CG11 west end cable attachments C1-590 cracks in gasket caulking C1-589 missing cotter pin C1-588
(2) Just N. F.S. 27 holes at S.E. hor. splice PL's arrested cracks C1-591/592/593
(3) Top hole s. end horizontal splice just S CG11 C1-594 crk at top hole
(4) two bird screens missing. F.S. 27
(5) ID 43 bot. splice PL (West) loose bolt. C1-595
(6) Pack rust at bot. conn. ID42 to W. Box E. side. C1-596 (typ.)
(7) Light anchorage S ID42 N.E. bolt not tight. C1-598/599
(8) 5 of 8 bird screens missing FS 26
(9) one bolt missing in deck splice just N ID41 West overhang C1-600

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 4M	
JOB: P710070019	

CREW:	DATE:	SHEET:
JHR	4/3/08	2 of 4
		of



103
333

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 4M		
JOB: P710070019		
CREW:	DATE:	SHEET:
JHR	4/2/08	1 of 1
JHR	4/3/08	1 of 4

① 5 bird screens missing. FS 29

② 1 bird screen missing FS29 ortside

③ holes at hor. field splice ~~were~~ ends were observed w/no cracks noted | C1-574

④ Typ. weld west box bot. flg. to east web | C1-575/576

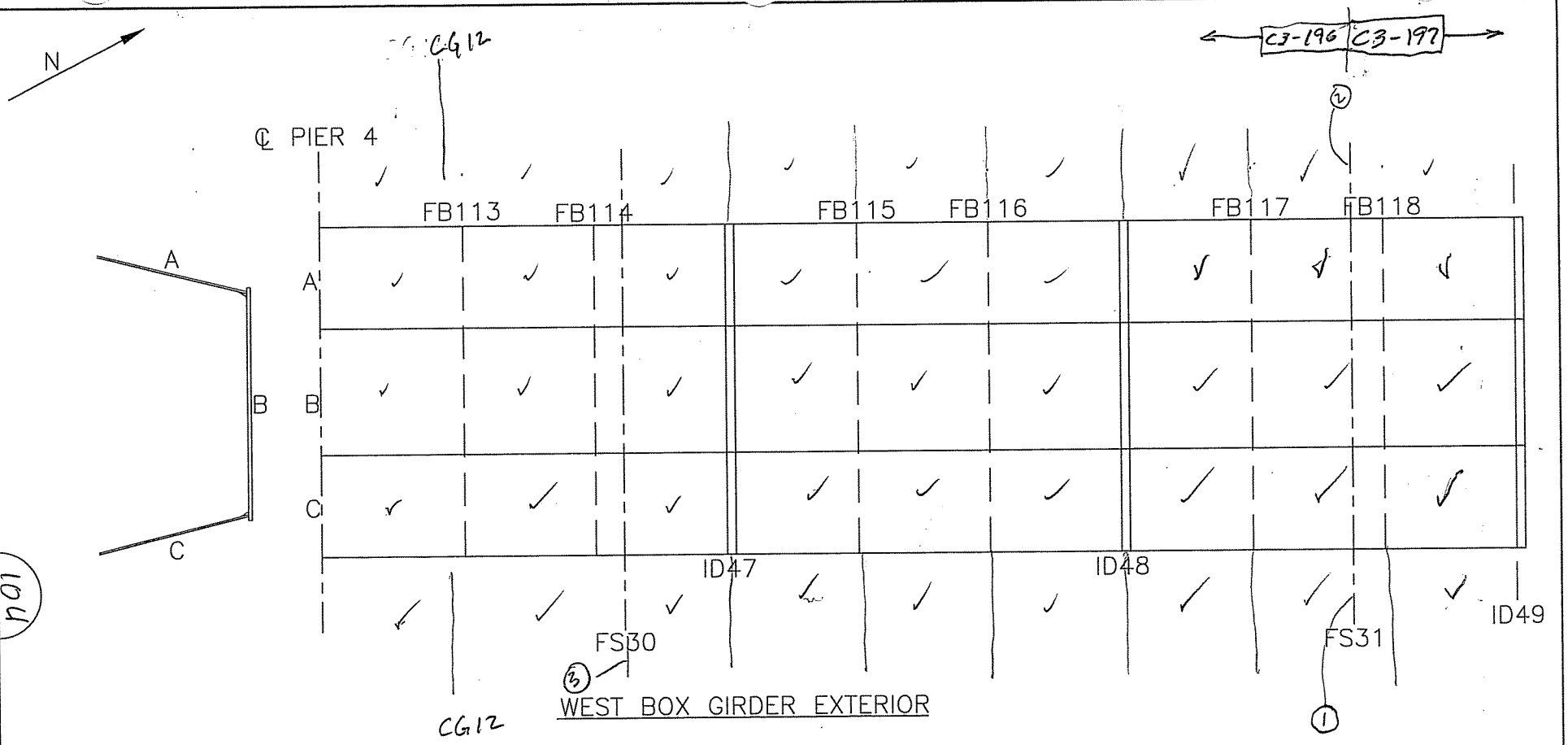
⑤ Weld at web transition/bot flg. interface N CG 11 | C1- 3/4

⑥ One missing bird screen FS 28 interior of deck.

⑦ CG11 con. to west box pitting at West web connection | C1- 6/7/8

⑧ One missing bird screen West O. hmg. FS.28

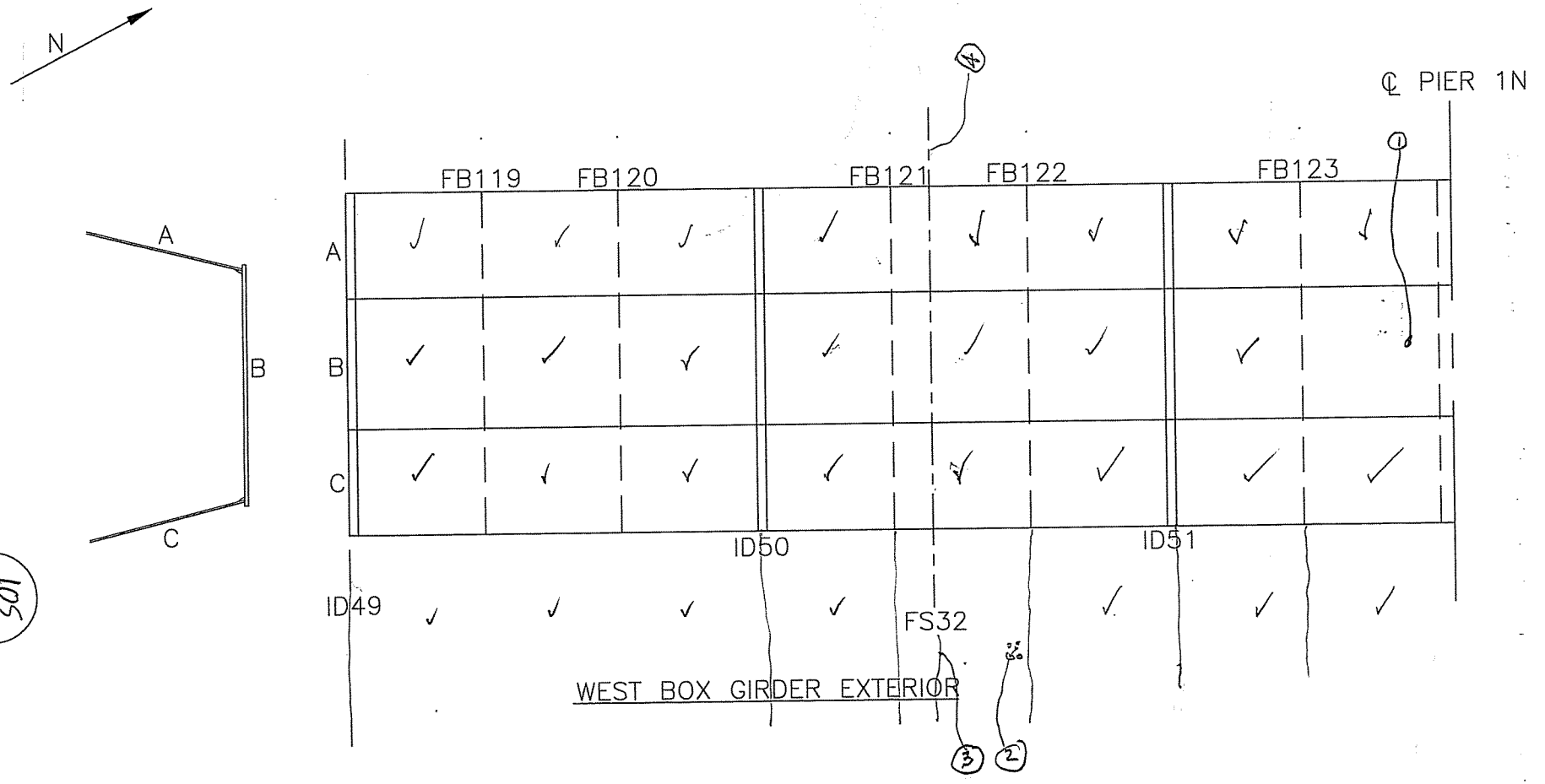
⑨ 3/16" Pack rust at bot. F. beam. splice ℄ | C1- 9



(1) one missing bird screen FS 31 interior
(2) 2 - missing bird screens FS 31 west end.
(3) 3 - missing bird screens FS 30; interior between boxes
(4) Brgs. at Pier 4 are tilted to the North. Mud holes in bottom of cross beam at Pier 4

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
FRAMING SPAN 5M	
JOB: P710070019	

CREW:	DATE:	SHEET:
JHR	3/31/08	2 of 2
		of



105
337

① holes in PL B 24 N and 20 S. 1/8" ϕ just S. PIN C3-194

② anchorage for light standard ✓ C3-195

③ five missing bird screens at FS32

④ one missing bird screen W side of West Box.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 5M		
JOB: P710070019		
CREW:	DATE:	SHEET:
JHR	3/31/08	1 of 2
		of

1st

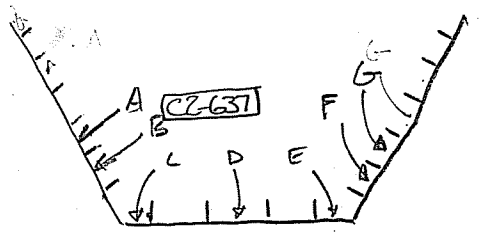
LOCATION - WEST GIRDER, BTWN FB9 & 105

MAX = .0445" DOWN
MIN = .005" DOWN

C2-638
MAX = .014" DOWN
MIN = .006" UP
TIR = .02"

THICKNESS AFTER

LOCATION	WIRE BRUSH	GRINDING
A	.565	.562
B	.570	.561
C	.506	.487
D	.505	.493
E	.518	.487
F	.560	.555
G	.559	.556
	ALL IN INCHES	



LOOKING NORTH

106
333

AREA TESTED WAS GENERALLY CLEAN, WITH NO SHEETING RUST.

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

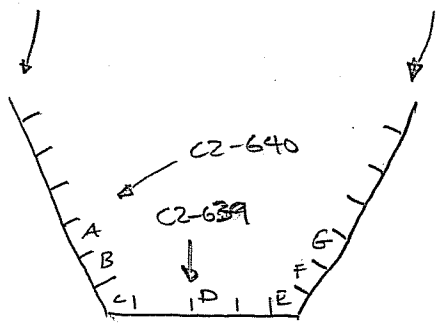
CREW:	DATE:	SHEET:
BKC, MJJ	4/9/08	2 of 13
		of

2nd

LOCATION - WEST GIRDER BTWN FB13 & 106

MAX= .0425" DWN
MIN = .004" UP

MAX = .0125" DWN
MIN = .0055" UP



LOOKING NORTH

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.659	.628
B	.657	.626
C	.750	.737
D	.755	.737
E	.753	.748
F	.684	.663
G	.694	.668

ALL IN INCHES

107
333

AREA HAD LIGHT RUST SHEETING OVER FLOOR AND WEBS

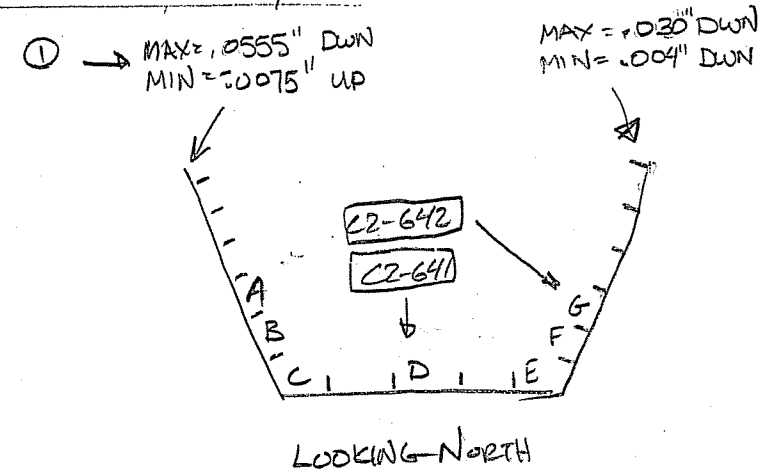
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC MJJ	4/9/08	3 of 13
		of

3RD

LOCATION - WEST GIRDER BTWN ID11 & FB26

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.627	.617
B	.621	.614
C	.734	.722
D	.749	.727
E	.737	.725
F	.628	.611
G	.658	.618
	ALL IN INCHES	



GENERAL CONDITION OF AREA IS MODERATE TO MEDIUM RUST SHEETING ALONG WALLS & MEDIUM TO HEAVY ALONG FLOOR

① CRACK LOCATED @ DIGITAL PLUNGER READING

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC MJJ	4/9/08	4 of 13
		of

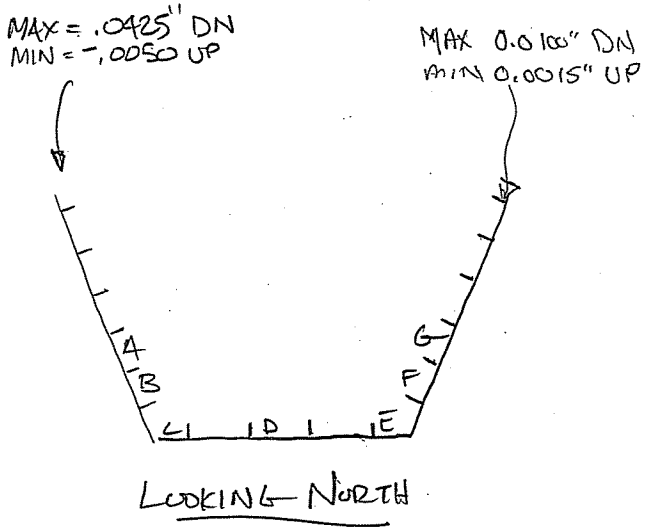
108
333

4th

LOCATION - West Girder Brwn FB35 & FB36

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.641	.628
B	.641	.627
C	1.097	1.081
D	1.149	1.113
E	1.121	1.102
F	.673	.635
G	.651	.637

ALL IN INCHES



MODERATE SHEET RUST ON FLOOR, LIGHT SHEET RUST ON WALLS

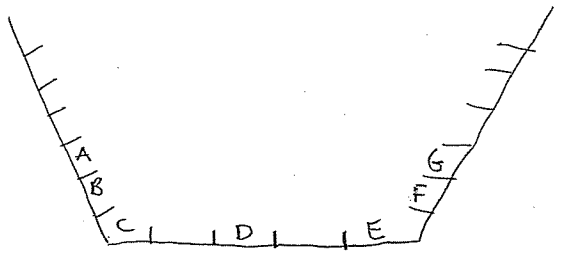
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	
CREW: BLC, MJJ	DATE: 4/9/08
	SHEET: 1 of 13
	of

101 383

5th Test

LOCATION - West Girder Btwn FB46T 1st stiff south of ID 19

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.632	.626
B	.634	.627
C	.761	.740
D	.754	.739
E	.746	.732
F	.628	.623
G	.631	.624



Looking North

L10 333.011

General condition is light rust on walls and floor

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

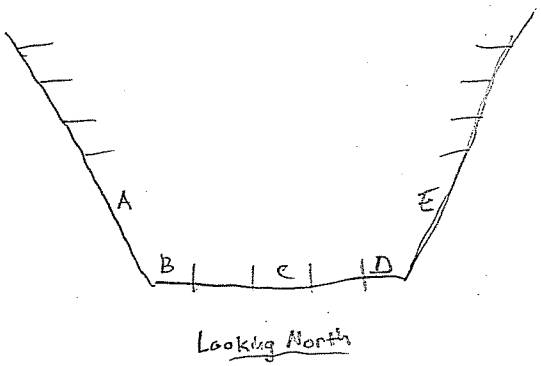
JOB: P710070019

CREW:	DATE:	SHEET:
CTY MJS	4/9/08	5 of 13
		of

6th

LOCATION - West Girder just south of FB65

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.563	.566
B	1.131	1.117
C	1.126	1.122
D	1.129	1.121
E	.565	.565



Looking North

339
111

General Condition: light rust on floors + wall, some areas of light sheetrust on floor

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

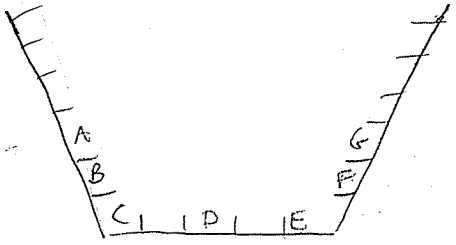
JOB: P710070019

CREW:	DATE:	SHEET:
CTY MJJ	4/9/08	6 of 13
		of

7th

LOCATION - West Girder btwn FB80+ ID34

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.640	.636
B	.638	.634
C	.715	.706
D	.768	.729
E	.725	.712
F	.626	.616
G	.626	.617



Looking North

112
333

General condition light to moderate sheet rust on walls
moderate to heavy sheet rust on floor

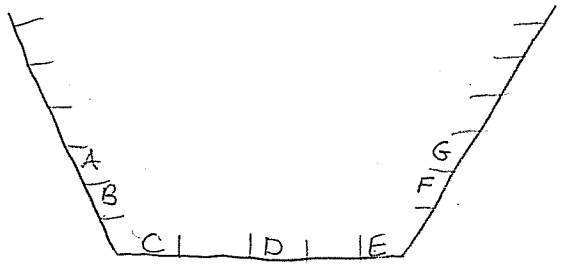
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	

CREW:	DATE:	SHEET:
CTW MJJ	4/9/08	7 of 13
		of

8th

LOCATION - Just N. of Tower 3 W. Box Girder & S. of FB 91

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.634	.632
B	.633	.631
C	1.139	1.119
D	1.132	1.126
E	1.135	1.119
F	.633	.626
G	.635	.628



Looking North

113
333

General Condition : light rust floor and walls

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

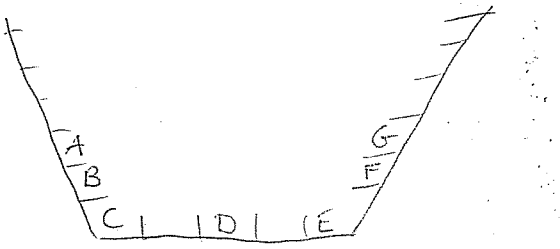
JOB: P710070019

CREW:	DATE:	SHEET:
CTY MJJ	4/9/08	8 of 13
		of

9th

LOCATION - West Girder btwn FB 103 and ID43

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.630	No Power
B	.631	
C	.727	
D	.760	
E	.734	
F	.620	
G	.624	



333 44

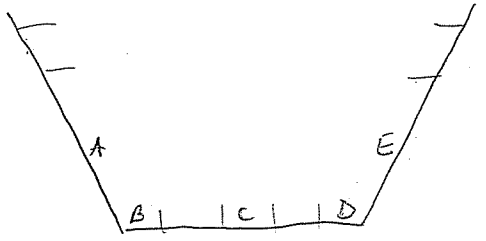
light rust on walls

light - mod. rust on floor

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	
CREW: CTY MJJ	DATE: 4/9/08
	SHEET: 9 of 13
	of

10th
LOCATION - West Girder btwn FB 118 and ID 49

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
A	.561	No Power
B	.865	
C	.867	
D	.860	
E	.554	

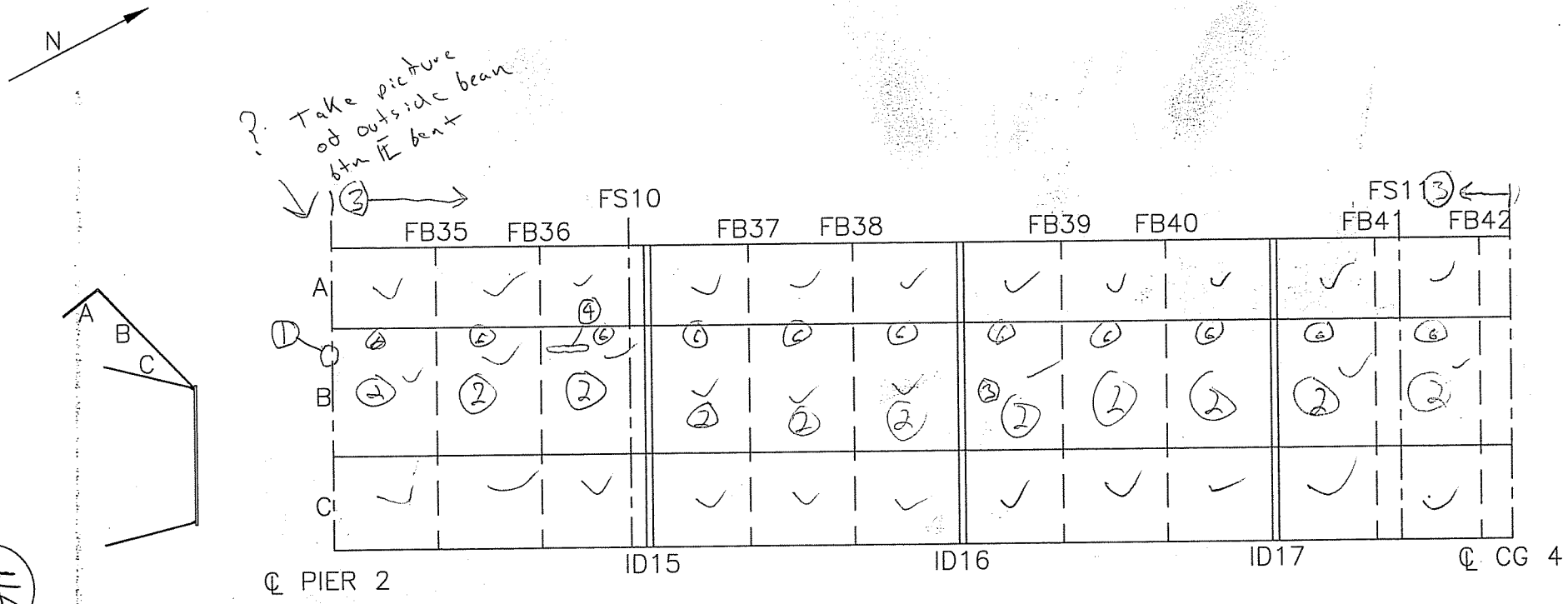


Looking North

115/333

Mod sheet rust floor and walls

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: CTY MJJ	DATE: 4/9/08
	SHEET: 10 of 13
	of

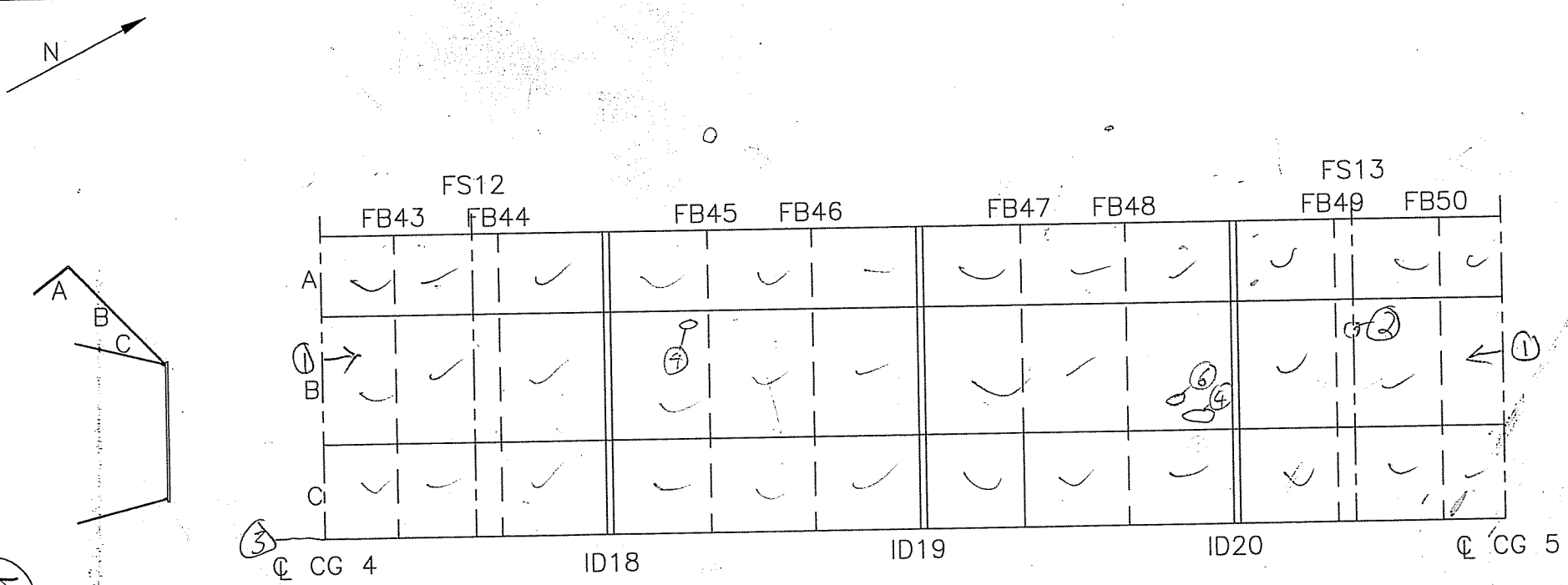


WEST INTERIOR WIND FERRING – PIER 2 TO CROSS GIRDER 4

① W.S., S. end, the screens to close the end in have fallen off [C3-176]
② Pigeon droppings building up on stiff. [C3-175]
③ 100% loss on WF plate on top of stiff. (See ext. insp. form location dimension)
④ Lamination in WF plate w/area of 100% loss [C3-177]
⑤ S. of wind ferring 6th E bent fascia bar on W.S. [C3-179]
⑥ W. of deck, on WF, 3rd stiff. from top of B, road fines (sand) build up [C3-180]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
SGB/JHR	3/24/08	1 of 3
		of

333 11/4



WEST INTERIOR WIND FERRING – CROSS GIRDER 4 TO CROSS GIRDER 5

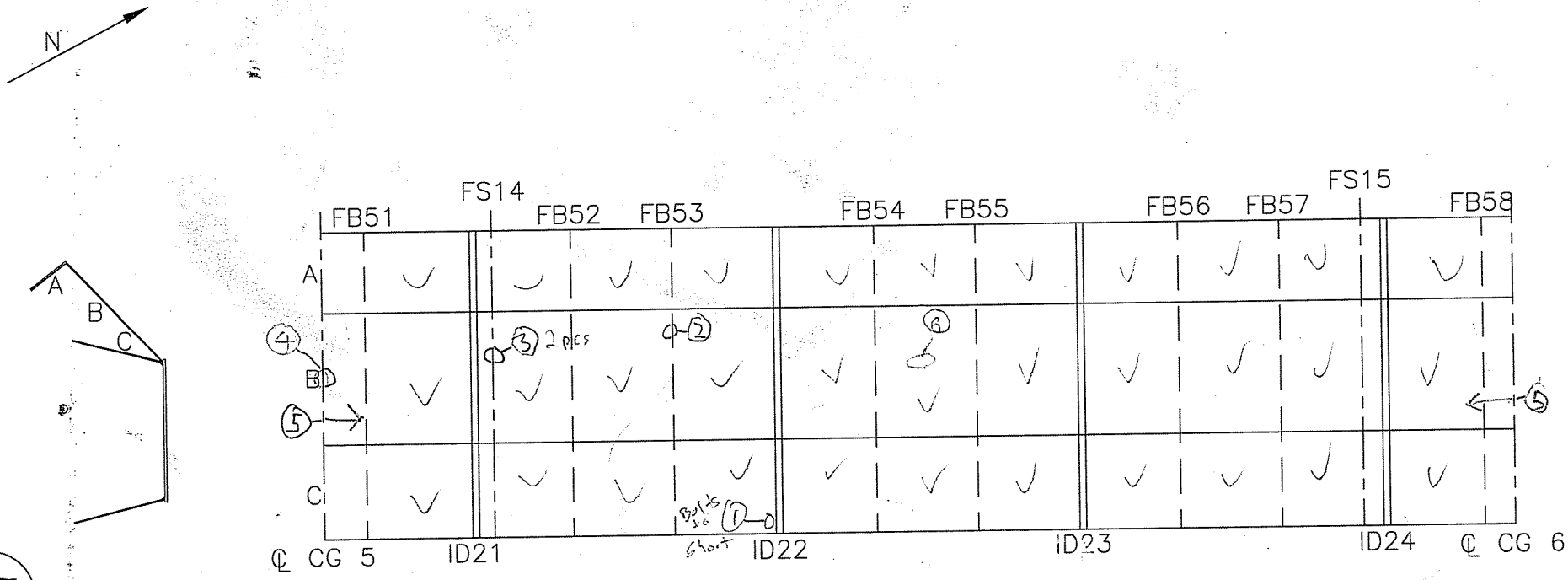
*See exterior BG forms for areas of sec. loss

1. W. WF, stiff. pigeon droppings collecting on side of ST. (typical)
2. FS 13, deck rib splice, 1 bird screen missing
3. CG 4, diagonal ST above CG, in contact w/deck flange, abrasion dust [C3-181]
4. W. WF, lamination on 1st ST below A sec [C3-182] (Typ) w/ 100% L, sec ext. nt
5. W. WF, ID19, trans. stiff for WF panel is kinked. [C3-183] also FD27
6. W. WF, between FB48 & ID20, 3rd purlin from btm, deformation 6"L [C3-184]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
SGB/JHR	3/29/08	2 of 3
		of

purlin

1/7
333



WEST INTERIOR WIND FERRING – CROSS GIRDER 5 TO CROSS GIRDER 6

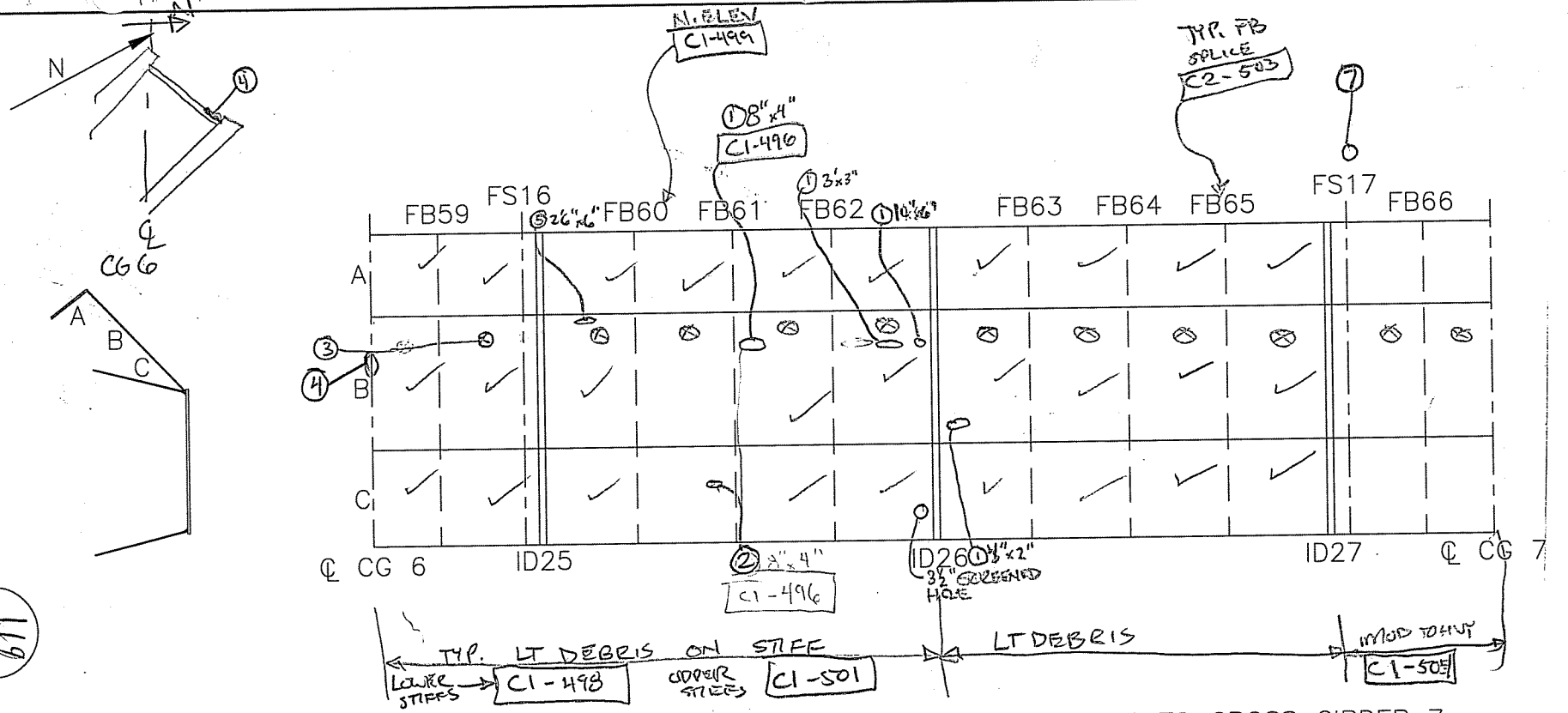
*See exterior BG forms for areas of section loss

C3185

(1) W.WF, ID22 bracket connecting beam to deck flange, missing nut [C3-185]
(2) W.WF, FB53, Trans. ST for WF Panel has sec. loss, S. face [C3-186]
(3) W.WF, FS14 missing varnit screens on rib of deck splice.
(4) CG5, W.S., top along N. edge debris and moisture collected [C3-187]
(5) W.WF, pigeon debris collected along edge of purlins.
(6) W.BG, near hatch, pitting on web exterior 1/16" [C3-190]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
SGB/JHR	3/29/08	3 of 3
		of

118
333

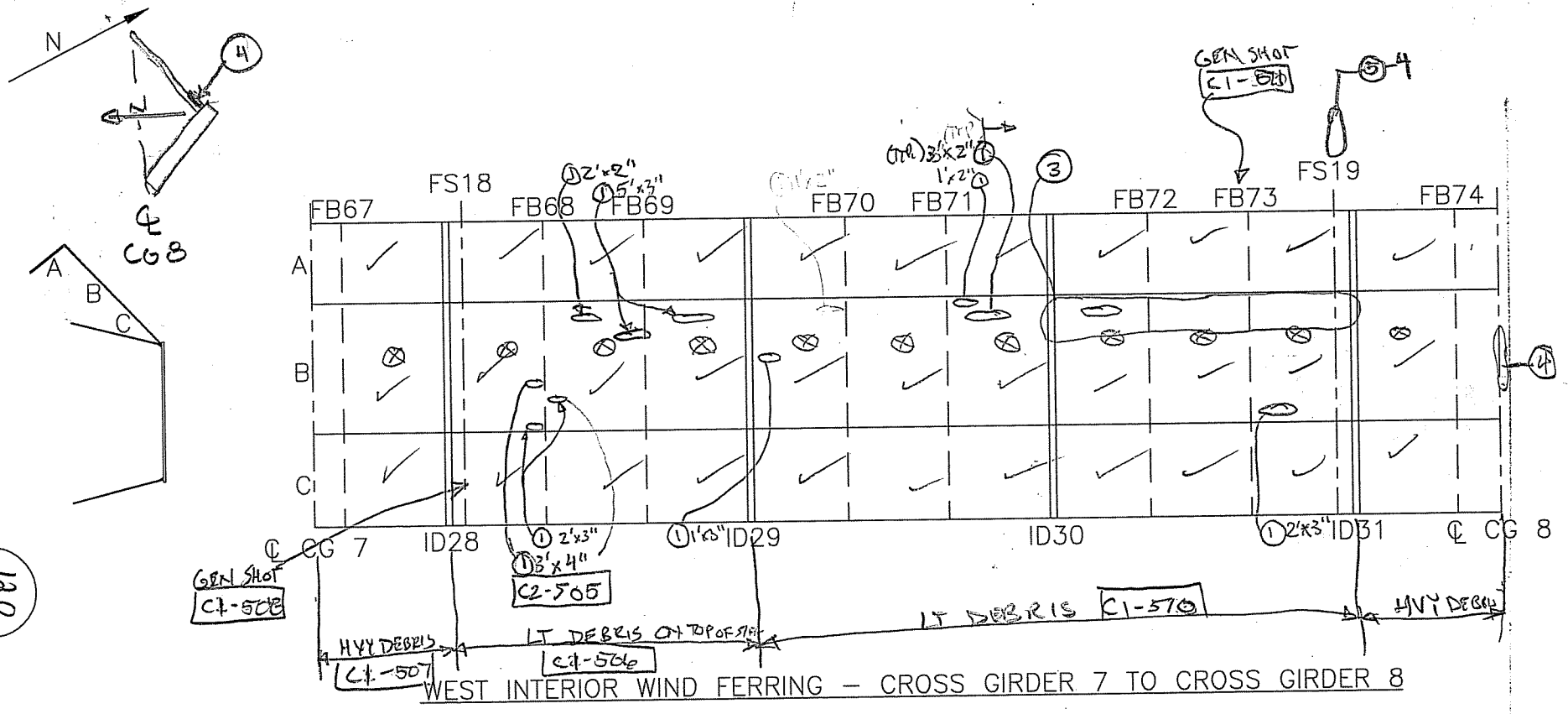


WEST INTERIOR WIND FERRING – CROSS GIRDER 6 TO CROSS GIRDER 7

333 119

1. 100% SECTION LOSS L" x H"
2. ⅛" DENT W/ ⅛" DEEP GOUGE C1-497
3. TYP. SCUPPER DRAIN HOLE
4. PITTING 4-8" WIDE UP TO 3/16" DEEP ON TOP NORTH 1" OF CG 6 C1-500 FOR 5' LENGTH
5. SECTION L" x H" OF 50% LOSS W/ 1SG HOLES
6. TYP. WATER MARKS ON FERRING AT FB/ID C1-502
7. 1 MISSING PIGEON FERRING ON DECK SIDE

CTLGroup	Bridge No: Luling City/Town: Luling,	Bridge LA
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC	3/31/08	1 of 2
		of

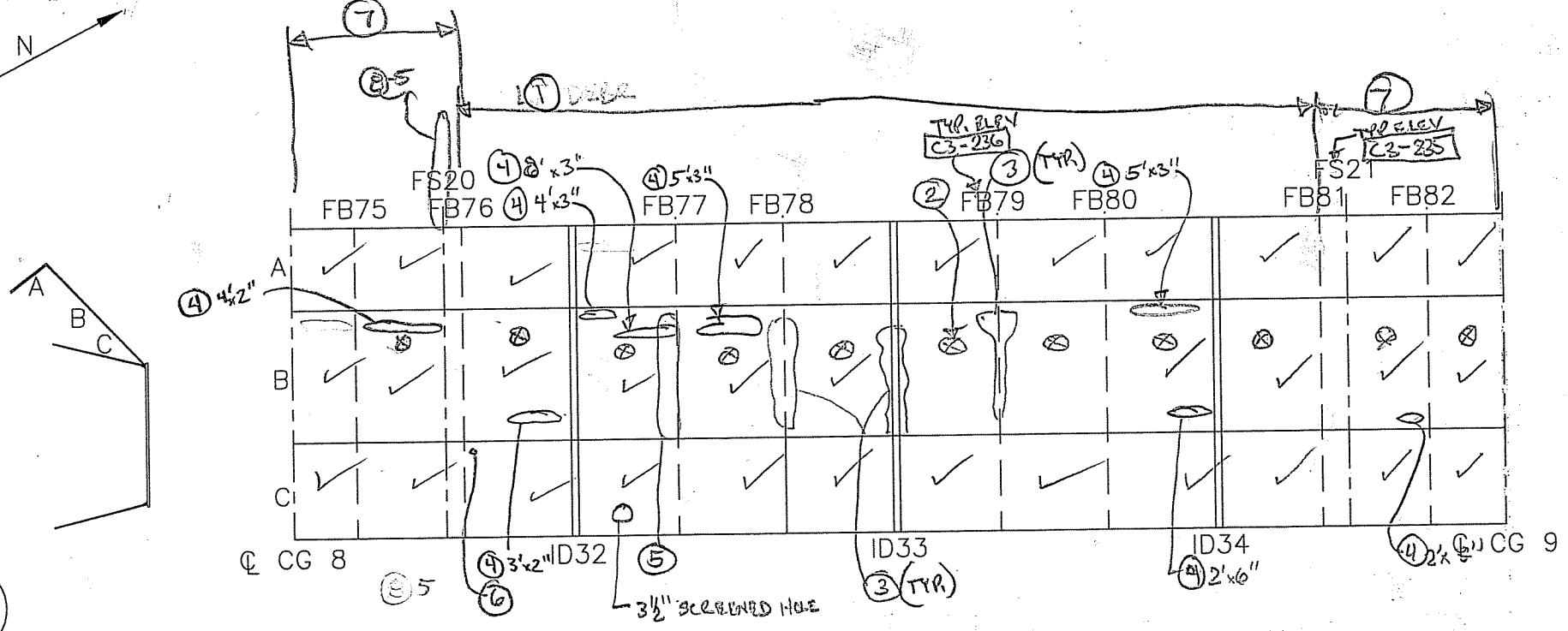


WEST INTERIOR WIND FERRING – CROSS GIRDER 7 TO CROSS GIRDER 8

(1) 100% SECTION LOSS L×H
(2) SCUPPER DRAIN HOLE (TYP.)
(3) TYP. 100% LOSSES ALONG STIFF/FERRING APPX. 3" WIDE LENGTHS RANGE APPX. 2'-4'
(4) PITTING UP TO 4" WIDE & 1/4" DEEP FOR 3' ALONG TOP EDGE OF CG 8 SOUTH C1-509
(5) MISSING RIBBON SCREENING – OF 4

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC	3/31/08	2 of 2
		of

12.0
333



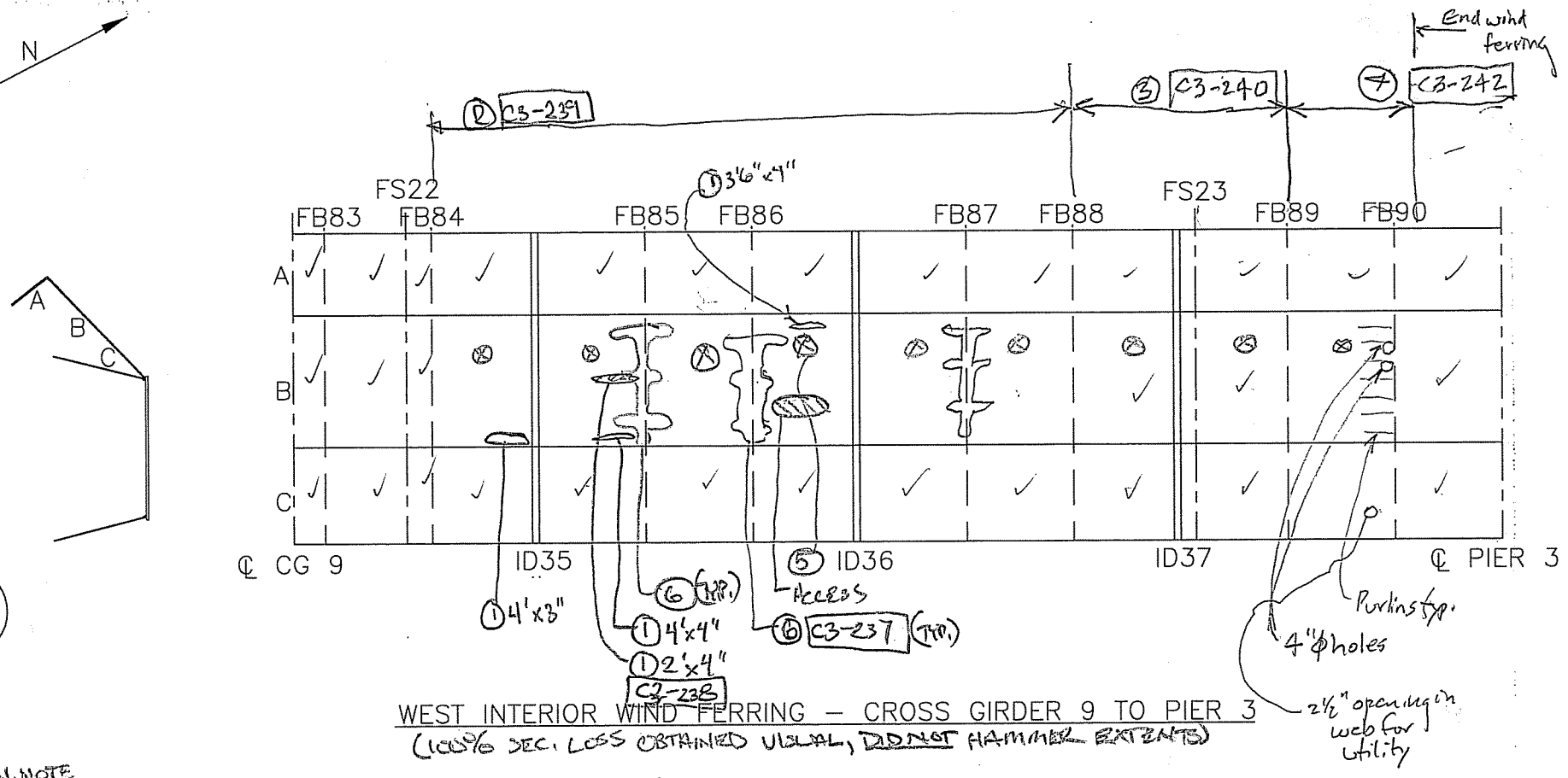
12/333

WEST INTERIOR WIND FERRING – CROSS GIRDER 8 TO CROSS GIRDER 9

(100% LOSS ESTIMATES MADE FROM VISUAL W/O HAMMERING OR TENTS)

1. LT DEBRIS ON TOP OF STIFF C3-232
2. SCUPPER HOLE (TYP.)
3. TYP. RIVET STAINING, INDICATIONS OF WATER INFILTRATION C3-231
4. 100% SEC. LOSS L X H
5. TYP. LOSSES ALONG STIFFS ¼" THK x 3-4" LONG C3-233
6. MISSING BOLT, LWR FERRING CONN. TO TOP FLNG
7. MOD. PIGEON DEBRIS ON TOP OF STIFF C3-234
8. MISSING PIGEON SCREENING AT FS – SEE 6.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
FRAMING SPAN 3M		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC	4/2/08	1 of 1
		of



WEST INTERIOR WIND FERRING – CROSS GIRDER 9 TO PIER 3
(100% SEC. LOSS OBTAINED USUAL, DO NOT HAMMER EXTENTS)

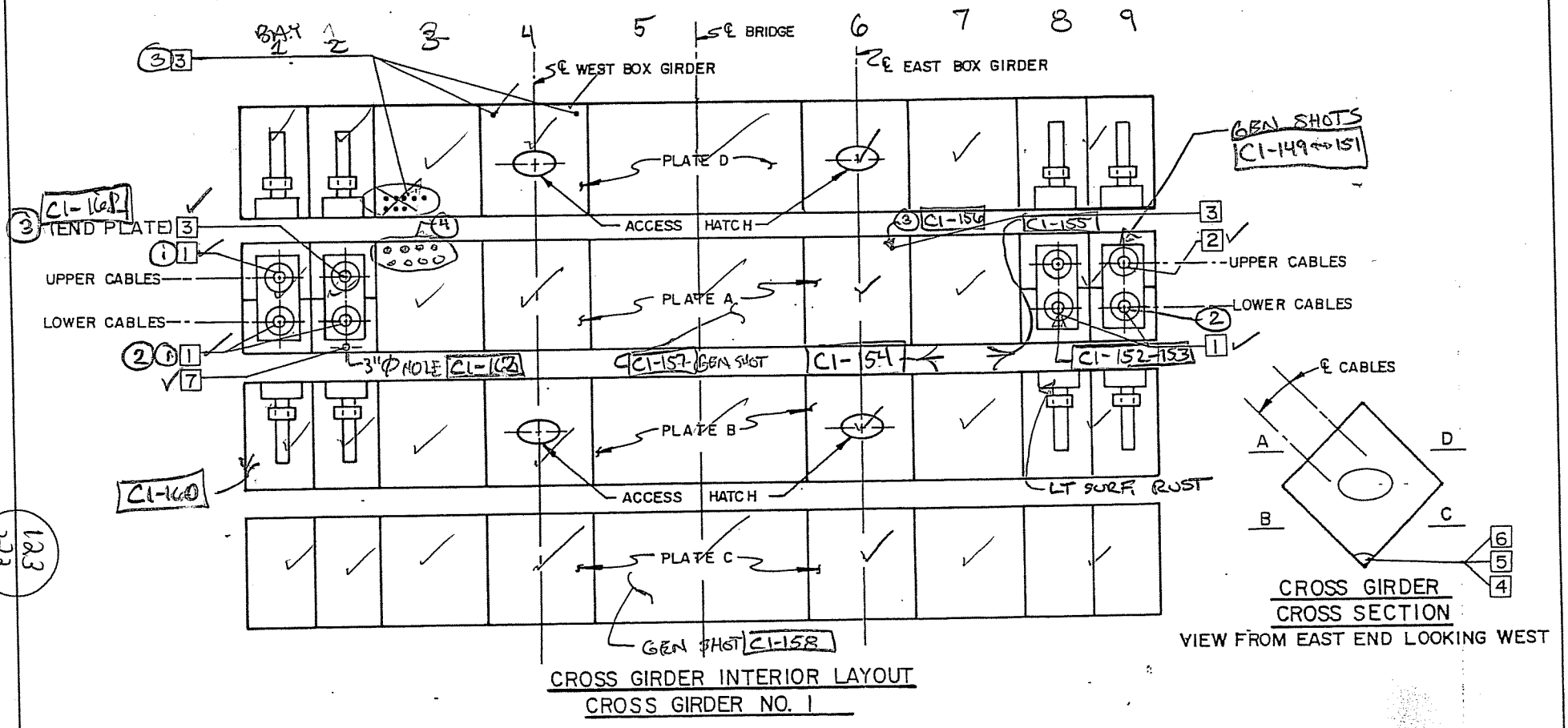
122
333

GEN. NOTE
WHEN DEBRIS PULLED FROM STIFF, TYP. NOTE PITTING OF FERRING

① 100% SECTION LOSS LxH
② LT DEBRIS ON TOP OF STIFF
③ MED DEBRIS ON TOP OF STIFF
④ HVY DEBRIS ON TOP OF STIFF
⑤ TYP. HOLE FOR SCUPPER
⑥ RUST STAINS/SIGNS OF WATER INGRESS
⑦ Missing 2 of 5 bird screens at FS 23
⑧

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
FRAMING SPAN 3M	
JOB: P710070019	

CREW:	DATE:	SHEET:
BRC/JHR	4/2/08	4 of 4
		of



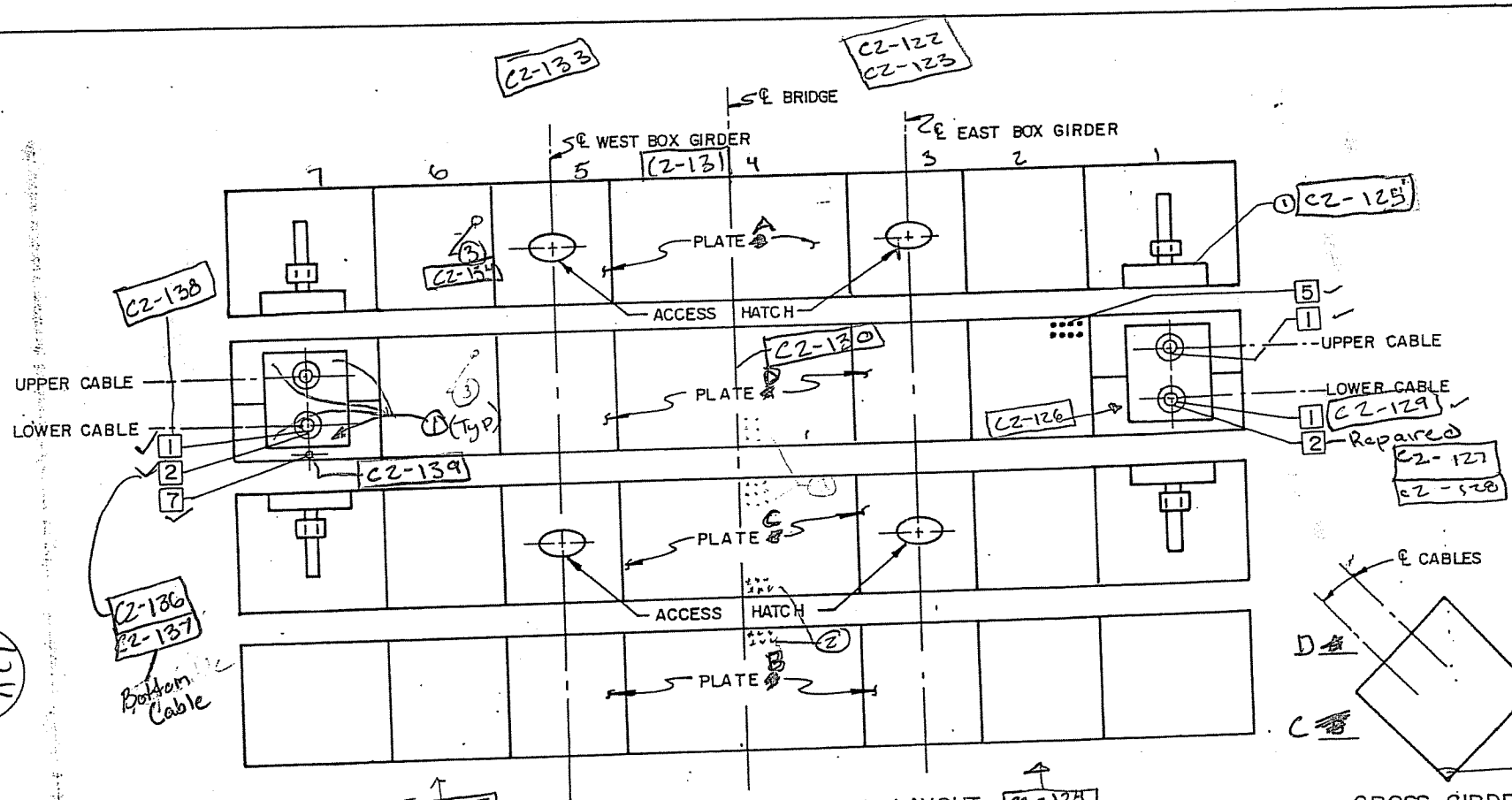
123
333

(1) [1] WATER LEAKING [C1-152]
(2) [2] LOOSE RUBBER GASKET [C1-153]
(3) MISSING BOLT (DRIFT PIN)
(4) 3 MISSING BOLTS, 3 PARTIALLY ON NUTS [C1-159]

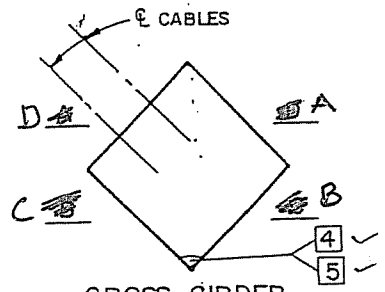
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
CROSS GIRDER	
JOB: P7100700019	
CREW: BKC, BS	DATE: 3/7/08
	SHEET: 2 of 3
	of

CROSS GIRDER PROBLEM LABELING

1. WATER LEAKING / PREVIOUS LEACHING AT CABLE STAY ENDS.
2. RUBBER SEAL LOOSE / FALLING OUT.
3. MISSING / LOOSE BOLT(S)
4. STANDING WATER AND / OR DEBRIS
5. MINOR SURFACE RUST
6. BIRD MESTING / WASTE
7. FABRICATED HOLE (3" DIAMETER"
8. CRACK IN WELD.
9. POROUS WELD
10. SILICOME SEAL "WALKING UP" CABLE
11. APPROXIMATELY 1/8" GAP BETWEEN SILICONE SEAL AND RUBBER GASKET



CROSS GIRDER INTERIOR LAYOUT
CROSS GIRDER NO. 2



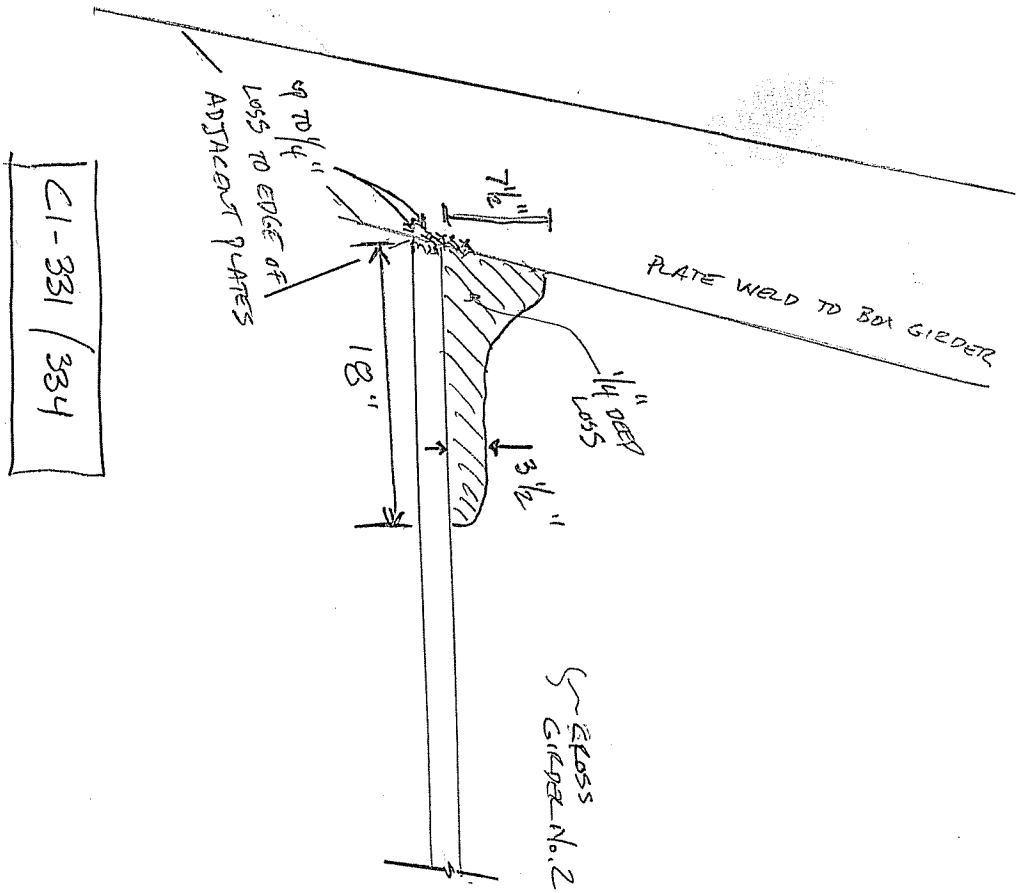
CROSS GIRDER
CROSS SECTION (see Photos)
VIEW FROM EAST END LOOKING WEST
WEST EAST

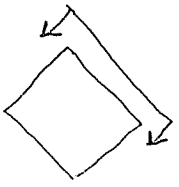
① Empty Bolt holes in Anchorage
② Heavy Rust @ B-C Angle Bolts C2-132
③ Bolt w/ Missing Nut C2-134

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
CROSS GIRDER		
JOB: P7100700019		
CREW:	DATE:	SHEET:
BKC, BS	3/8/08	1 of 1
		of

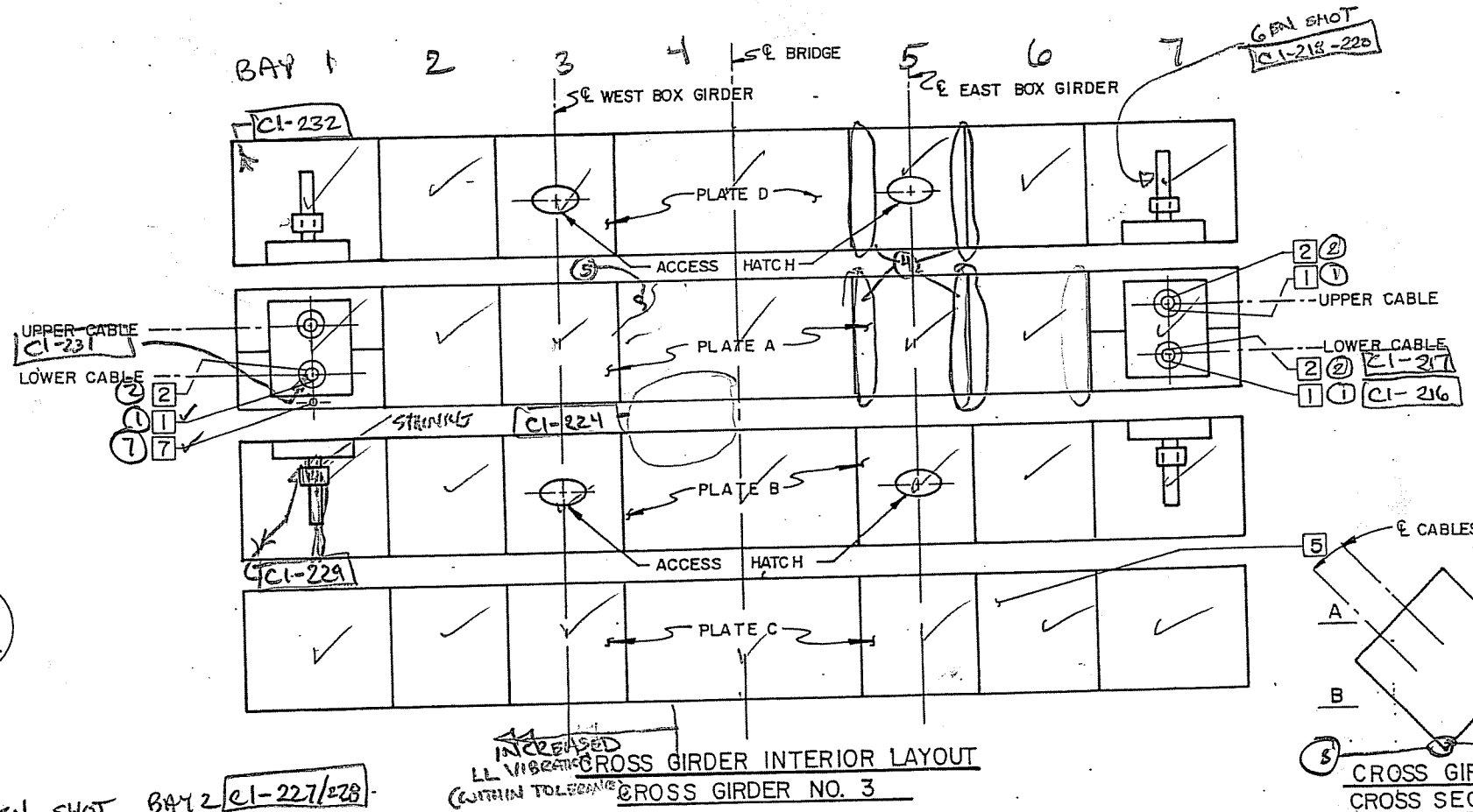
124
333

C1-331 / 334





CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW: SWB/	DATE: 3/17/08	SHEET: 4 of 4
		of



126
333

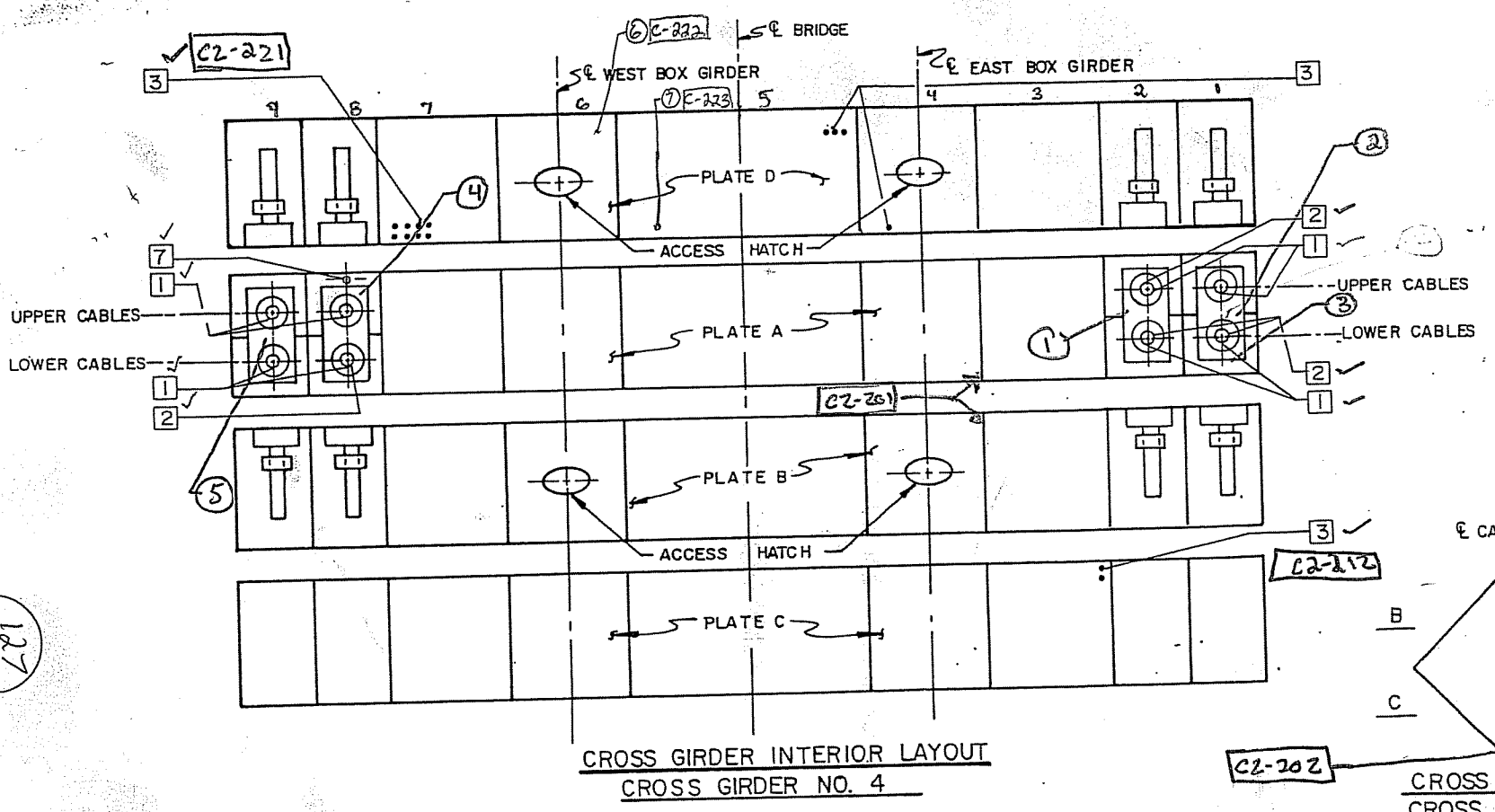
GEN SHOT BAY 2 C1-227/228
GEN SHOT BAY 3 C1-226
GEN SHOT BAY 5 C1-223
GEN SHOT BAY 6 C1-221/222

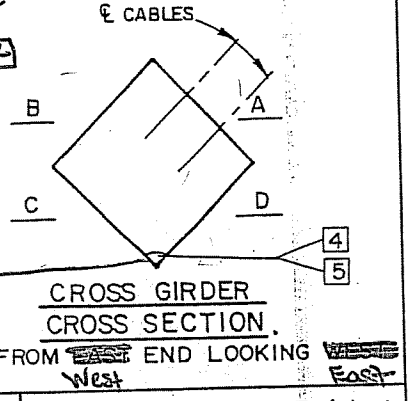
(1) LEAKING AT ANCHORAGE C1-
(2) LOOSE RUBBER SEAL
(3) TYP. MINOR WATER ALONG BOT. FLG. @ BRG
(4) RUST STAINING AT SP. BOLTS
(5) MOD. RUST/PT FAIL. NEG. SEC. LOSS C1-225

(7) 3" ø HOLE FOR CONDUIT C1-230

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
CROSS GIRDER	
JOB: P7100700019	

CREW:	DATE:	SHEET:
BRC, CTY	8/10/08	1 of 2
		of





127
333

(1) Photos C2-204, 205, 206, 207 → Loss @ cable Stay end)

(2) Photos C2-208, 209, 210 → Loss @ cable Stay End

(3) Leakage Through Cable Plates in Addition to cable Stay End C2-211

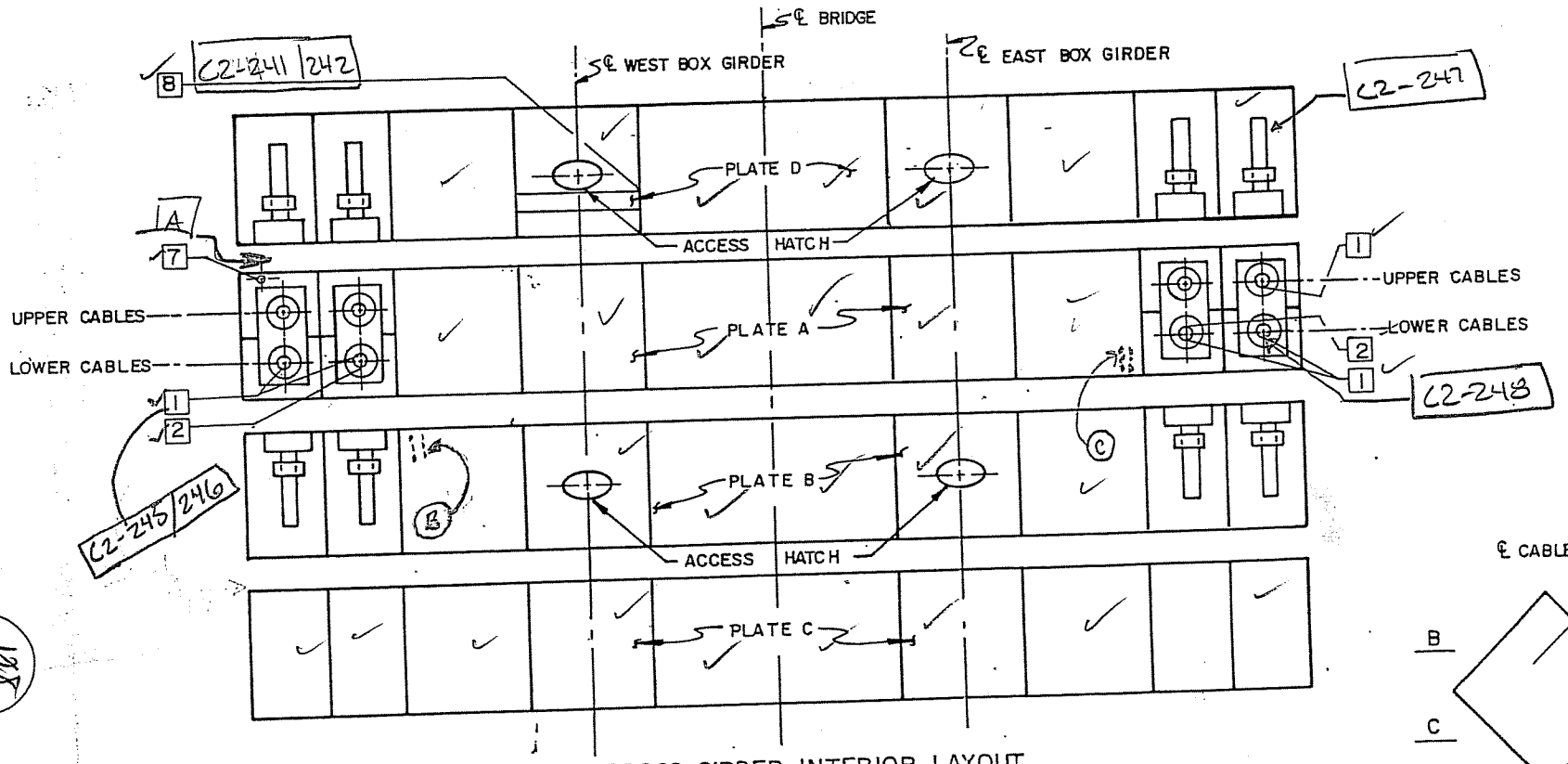
(4) Photos Bay 8 - C2-214 - 217

(5) Photos Bay 9 - C2-218 - 226

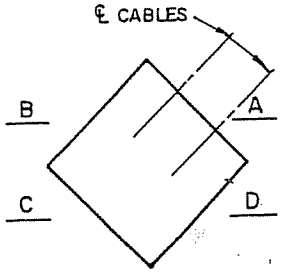
(6) 2 Missing Bolts C2-222 Bay 6

(7) Sheared bolt Bay 5 C-223

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
CROSS GIRDER		
JOB: P7100700019		
CREW:	DATE:	SHEET:
CRS / CTY	3/11/08	2 of 2
		of



CROSS GIRDER INTERIOR LAYOUT
CROSS GIRDER NO. 5



CROSS GIRDER
CROSS SECTION
VIEW FROM ~~EAST~~ West END LOOKING ~~WEST~~ East

(A) - MINOR ACCUMULATION OF DIRT/RAT & PIEGON DEBRIS w/ MOISTURE ALONG LOWER EDGE OF STIFFENERS AND AT LOWER CORNER OF BOX GIRDER

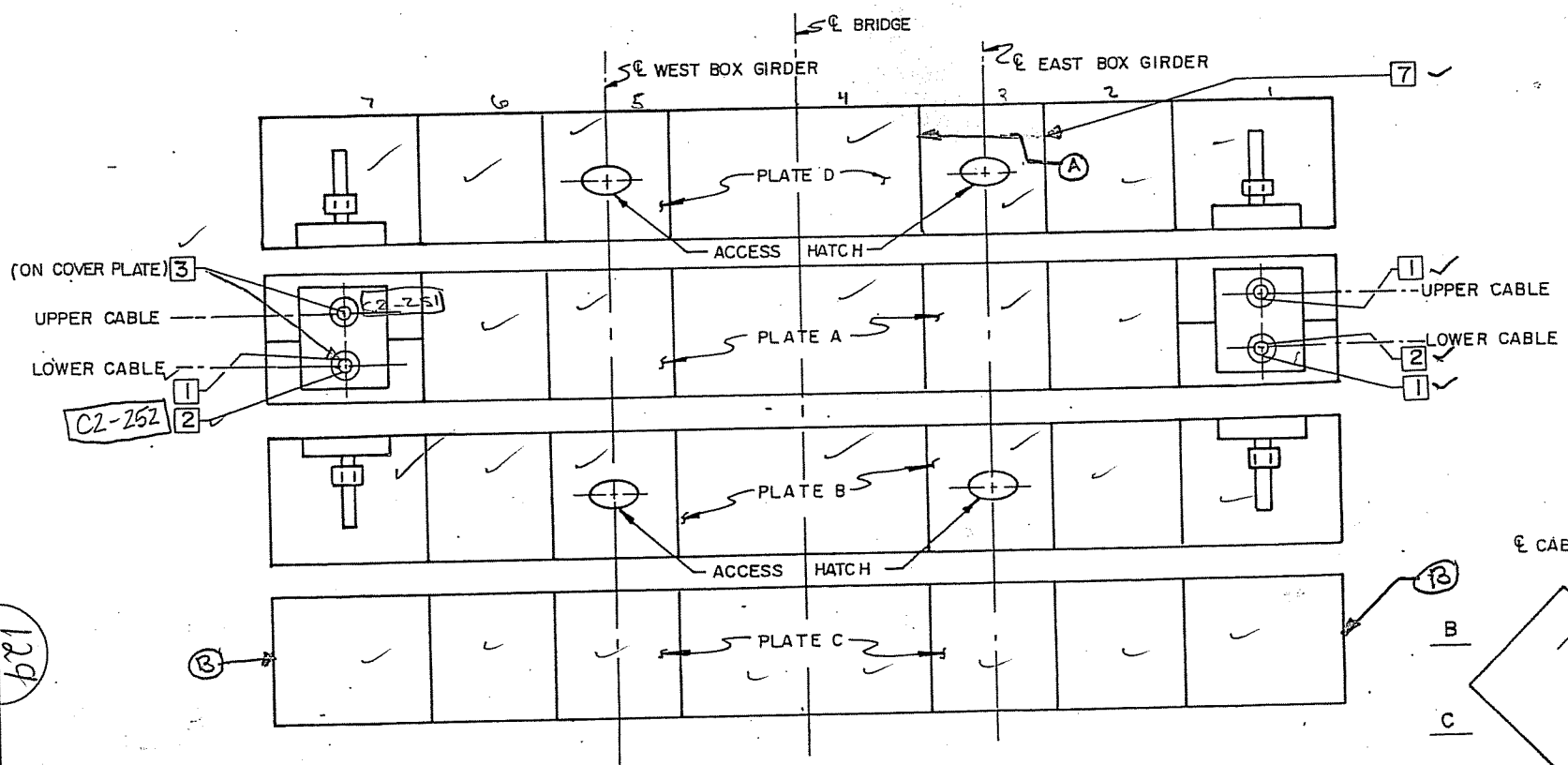
(B) Crack is located in C.G.5 AT TOP OF 3rd Bay from west end. Crack is 2 1/8" long and runs longitudinally along weld. Connection is longitudinal stiffener to East side wall of Bay C24241/242

(B) 6 of 8 BOLTS UNDERTHREADED w/ 1 BOLT LOOSE C2-243/244

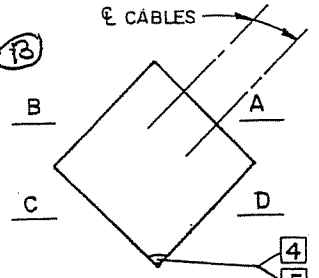
(C) 6 of 8 BOLTS UNDERTHREADED

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
CROSS GIRDER		
JOB: P7100700019		
CREW:	DATE:	SHEET:
SWB/CRS	3/12/08	2 of 2
MJJ/CRS	3/13/08	1 of 3

333



CROSS GIRDER INTERIOR LAYOUT
CROSS GIRDER NO. 6



CROSS GIRDER
CROSS SECTION
VIEW FROM ~~EAST~~ WEST END LOOKING ~~WEST~~ EAST

129
333

(A) 1¼" HIGH VERTICAL H.L. CRACK ON WEST WALL; BAR 3 @ WALL STIFFNER C2-249 C2-250

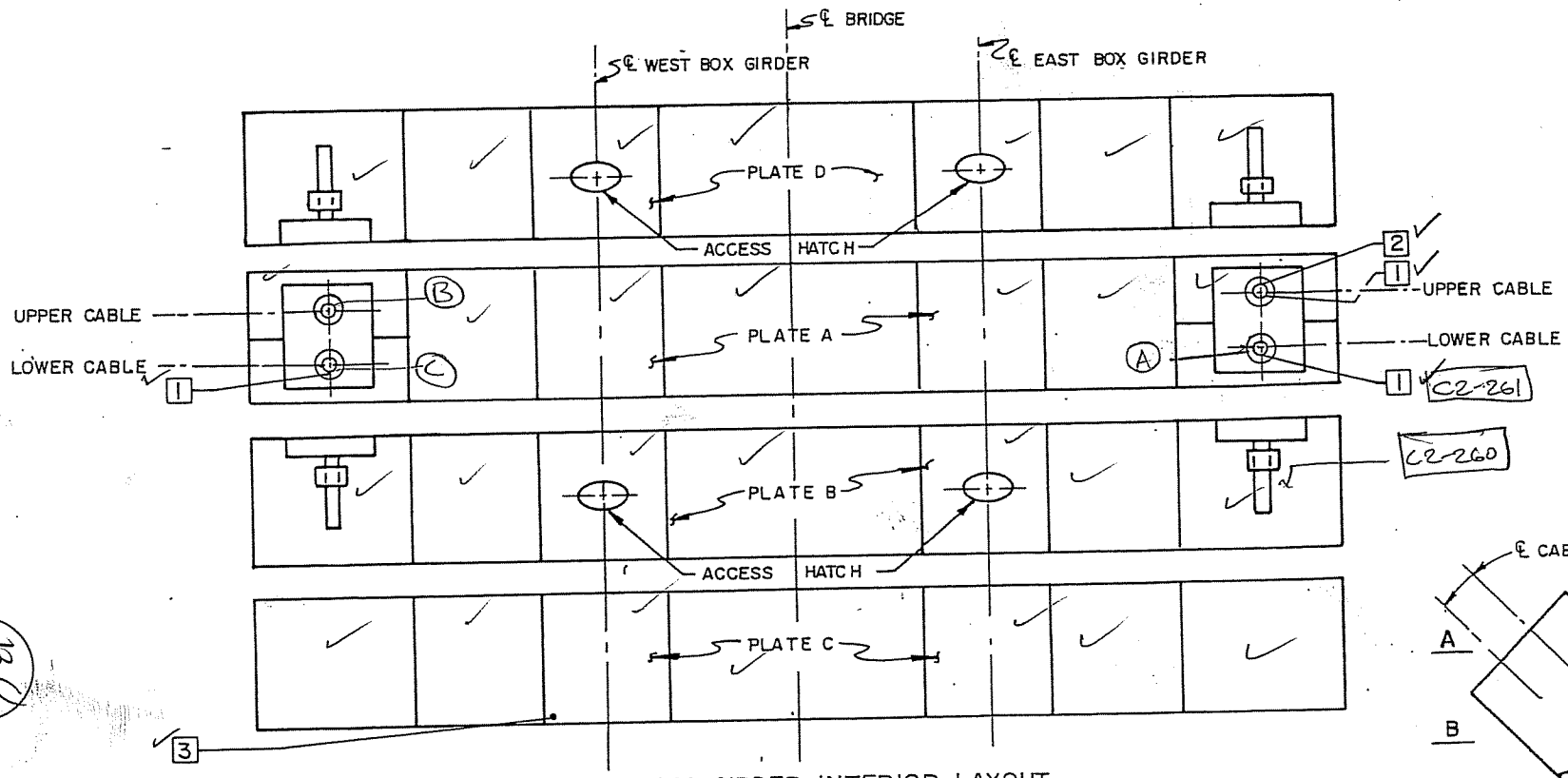
(a) RUBBER SEAL @ EAST ANCHORAGE DISPLACED BUT / INTACT

(3) MISSING BOLT ON END ANCHORAGE COVER PLATE. C2-251

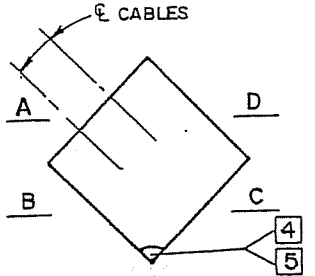
(B) CABLE ACCESS HATCH HAS NEW / UNDERTHREADED BOLTS ALL THE WAY AROUND

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
CROSS GIRDER	
JOB: P7100700019	

CREW:	DATE:	SHEET:
MJJ/CBS	3/14/08	1 of 3
		of



CROSS GIRDER INTERIOR LAYOUT
CROSS GIRDER NO. 7



CROSS GIRDER
CROSS SECTION
VIEW FROM ~~EAST~~ WEST END LOOKING ~~WEST~~ EAST

13C 333

(A) LIGHT RUST AROUND LOWER EAST CABLE IN C.G.7

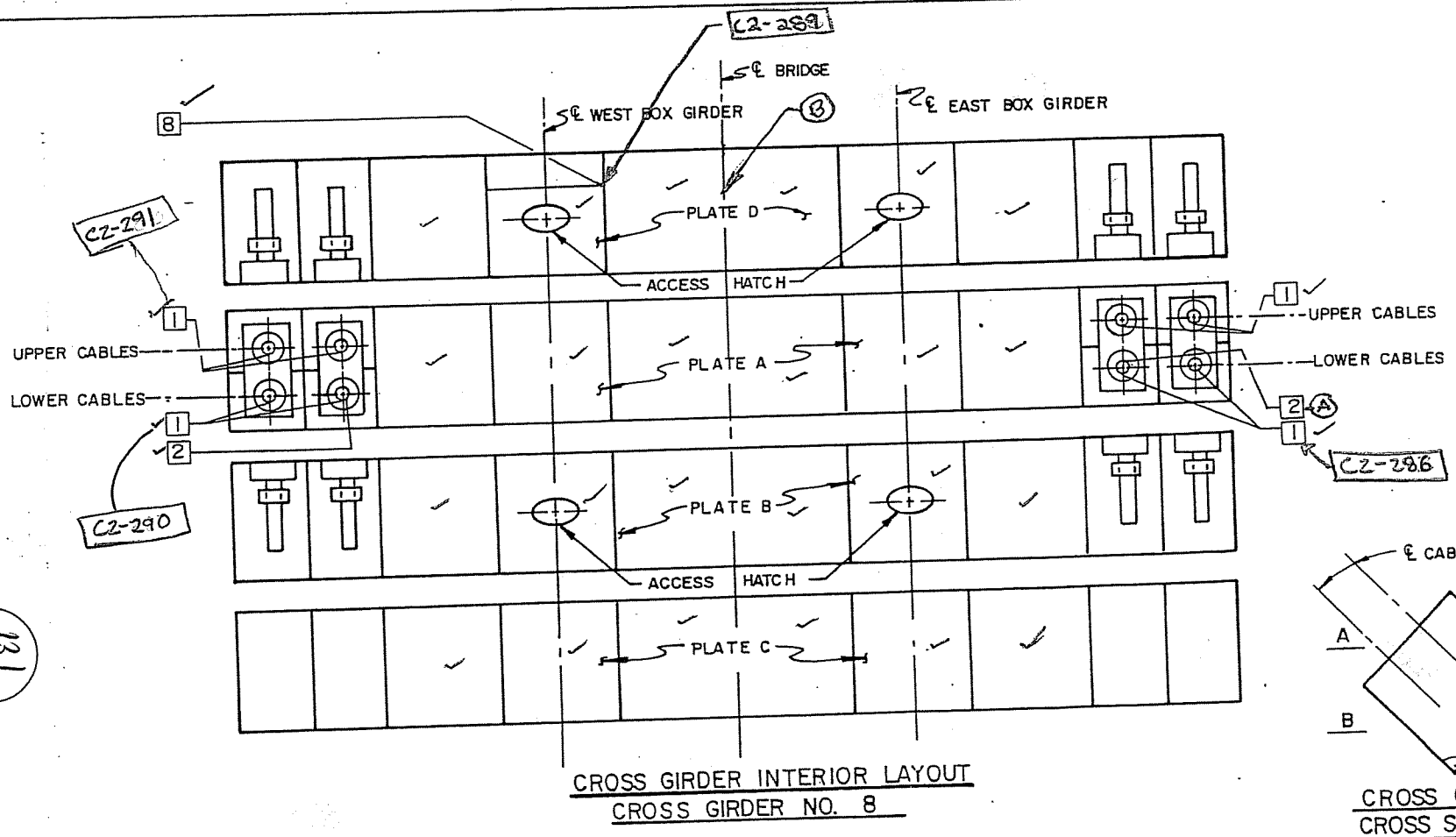
(B) RUBBER RING IS MISSING FROM TOP CABLE.

(C) RUBBER RING IS DISPLACED FROM BOTTOM CABLE.

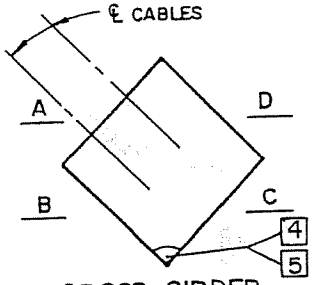
ACCESS DOOR ON PLATE C IN WEST ANCHORAGE BAY HAS ALL UNDERTHREADED BOLTS.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
CROSS GIRDER	
JOB: P7100700019	

CREW:	DATE:	SHEET:
MW/CRS	3/4/08	3 of 3
		of



CROSS GIRDER INTERIOR LAYOUT
CROSS GIRDER NO. 8



CROSS GIRDER
CROSS SECTION
VIEW FROM EAST END LOOKING WEST

131
333

(A) RUBBER SEAL COMPLETELY OFF AT BOTTOM CABLE ANCHORAGE C2-285

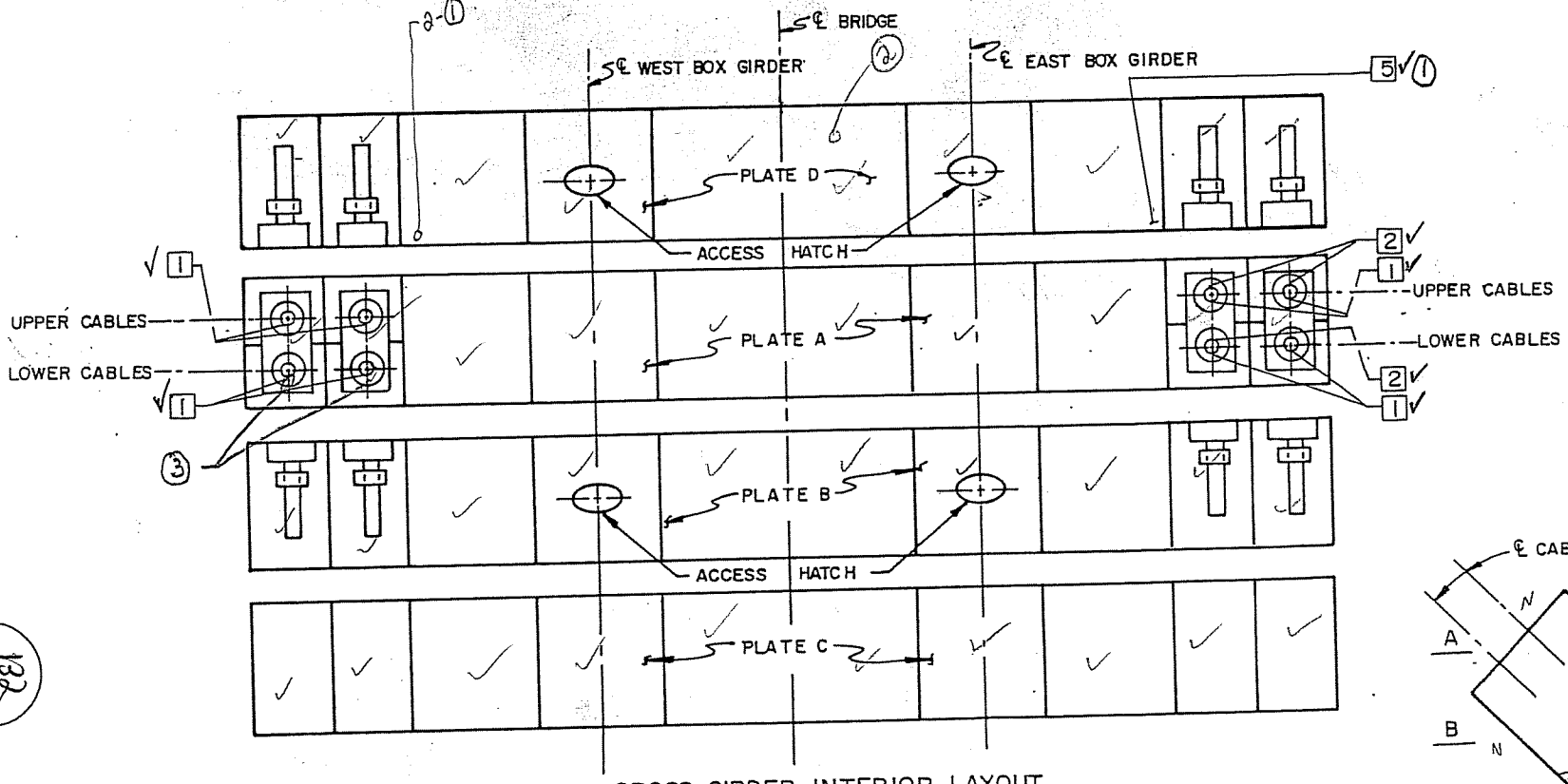
(B) UP TO 1/8" GAP BETWEEN ANGLE MEMBER & BASE SPLICE R AT CG SPLICE C2-287-288

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	

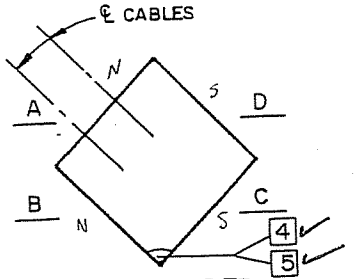
CROSS GIRDER

JOB: P7100700019

CREW:	DATE:	SHEET:
CAS/CTY/SGB	3/17/08	2 of 3
		of



CROSS GIRDER INTERIOR LAYOUT
CROSS GIRDER NO. 9

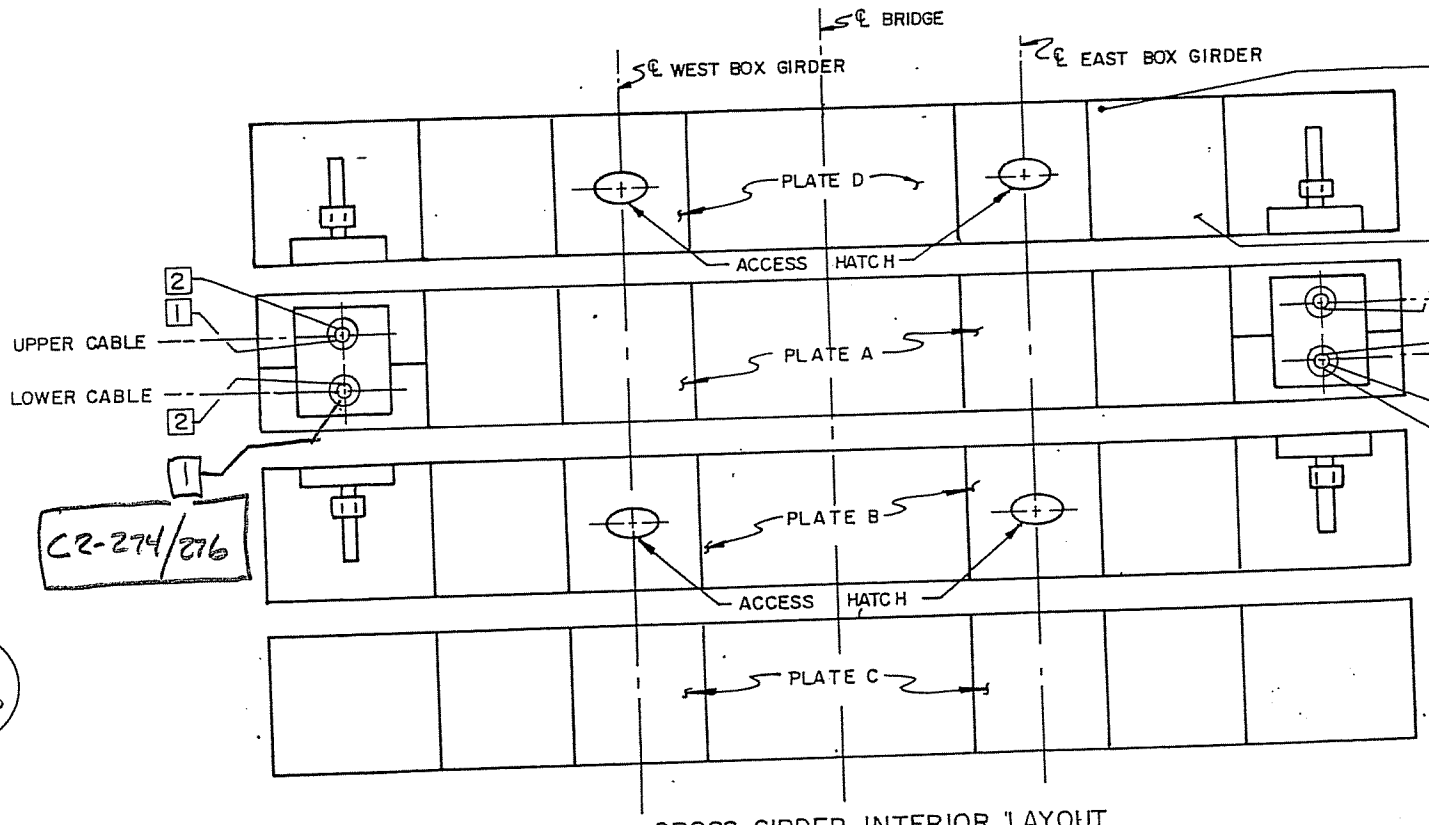


CROSS GIRDER
CROSS SECTION
VIEW FROM ~~EAST~~ WEST END LOOKING ~~WEST~~ EAST

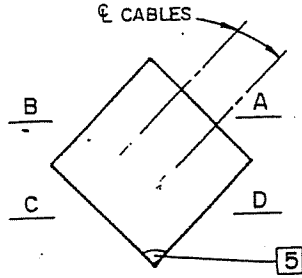
(1) About 3/4" gap btwn bolthead and PL D, loose
(2) Minor Surface Rust
(3) Loose Rubber

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
CROSS GIRDER	
JOB: P7100700019	
CREW: SWB/KRS/CTY/S.P.	DATE: 3/18/08
	SHEET: 5 of 6
	of

132
333



CROSS GIRDER INTERIOR LAYOUT
CROSS GIRDER NO. 10

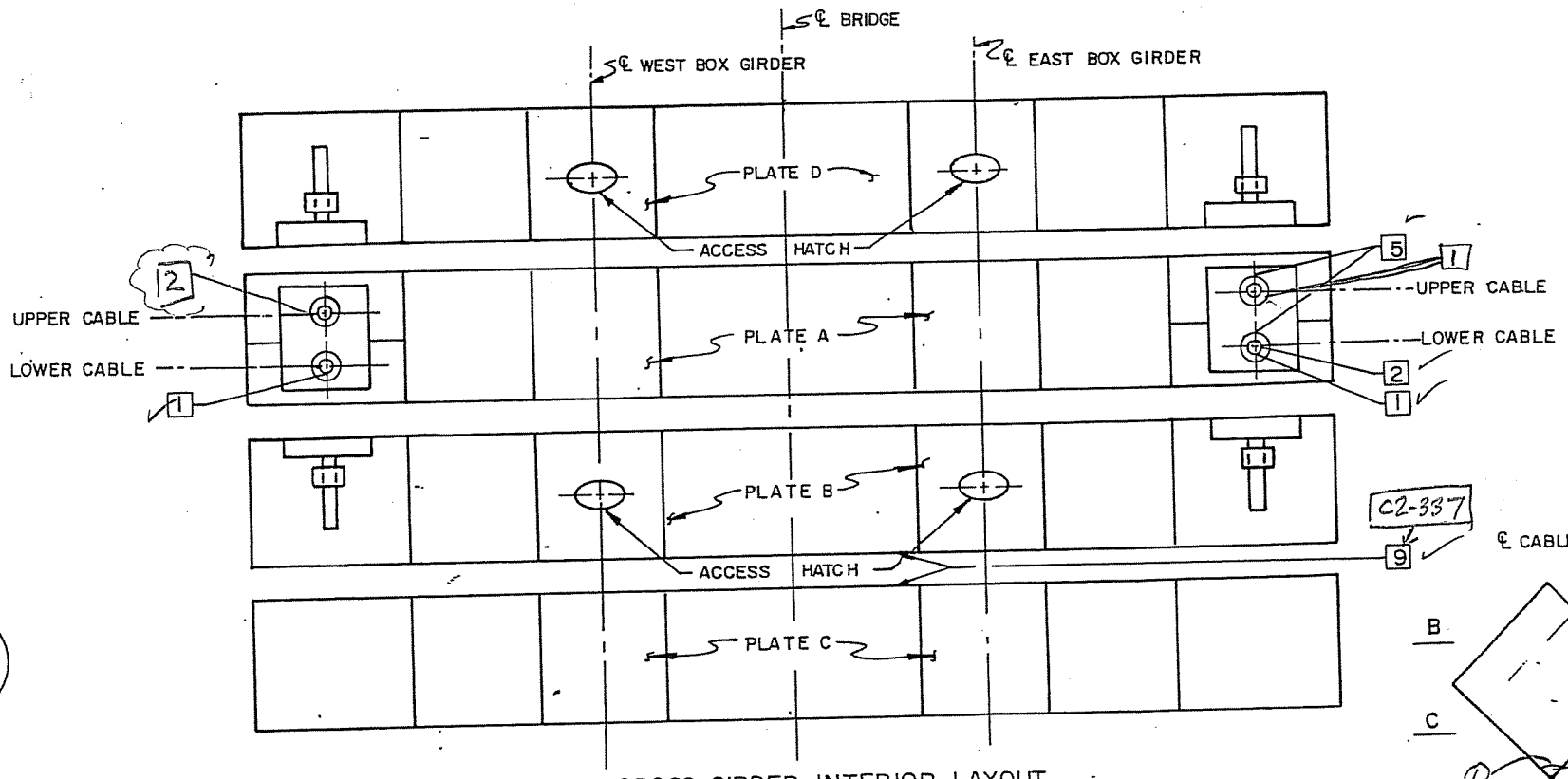


CROSS GIRDER CROSS SECTION
VIEW FROM EAST END LOOKING WEST

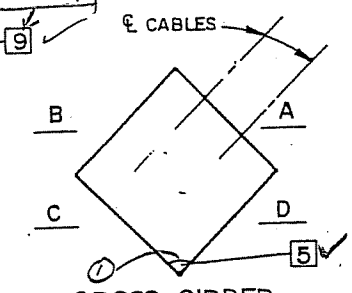
133
333

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
CROSS GIRDER	
JOB: P7100700019	

CREW:	DATE:	SHEET:
SWB/CRS/MJS/CDY	3/15/06	2 of 2
		of



CROSS GIRDER INTERIOR LAYOUT
CROSS GIRDER NO. 11

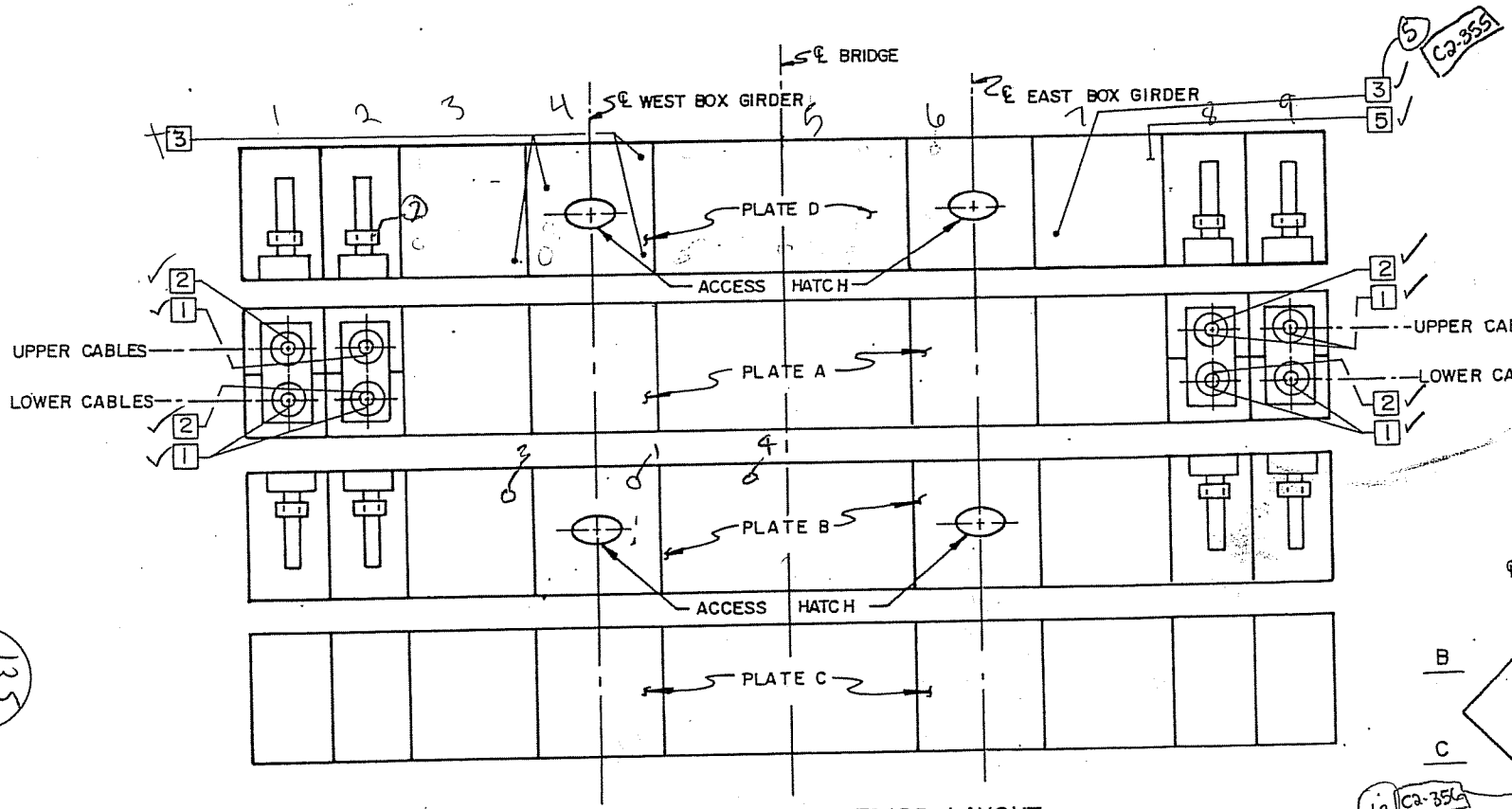


CROSS GIRDER
CROSS SECTION
VIEW FROM EAST END LOOKING WEST

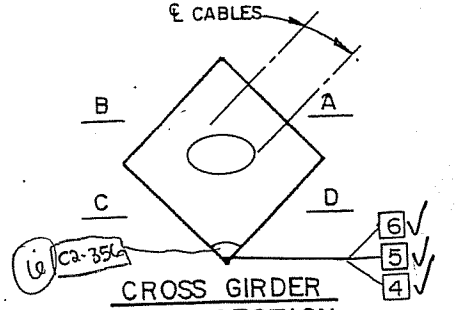
134
333

① STANDING WATER ALONG BOTTOM CORNER OF CROSS GIRDER

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
CROSS GIRDER		
JOB: P7100700019		
CREW:	DATE:	SHEET:
SWB/CRS/GY/SGB	3/19/08	3 of 4
		of



CROSS GIRDER INTERIOR LAYOUT
CROSS GIRDER NO. 12



CROSS GIRDER
CROSS SECTION
VIEW FROM ~~EAST~~ WEST END LOOKING ~~WEST~~ EAST

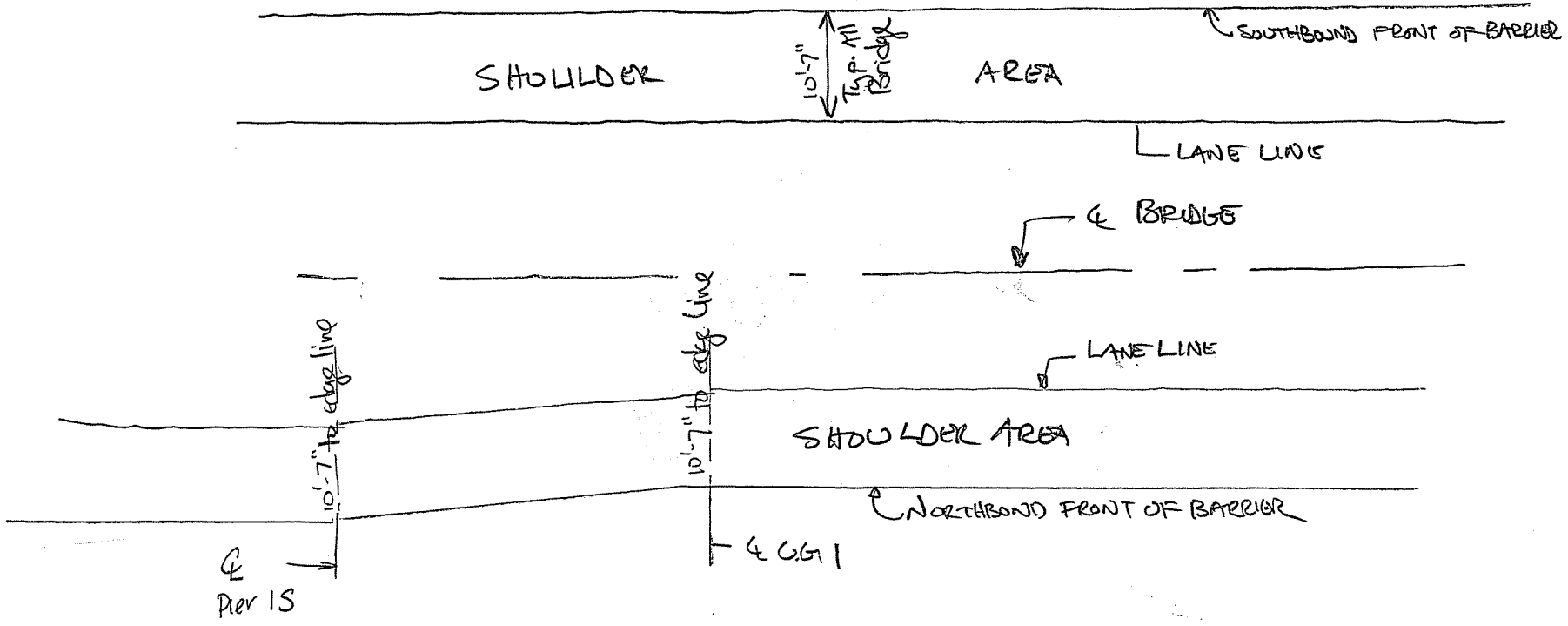
135
333

① Drift pin stuck in bolt hole [C2-351]
② Rust on socket clamp, leaking seal on bottom, top has previous moisture. [C2-352]
③ Bolt cut off by torch [C2-353]
④ Two drift pins stuck in bolt holes [C2-354]
⑤ Melted / Torched drift pin on PR B [C2-355]
⑥ Debris accumulated in bottom of CG12 at E & W ends up to 4". [C2-356]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
CROSS GIRDER	
JOB: P7100700019	

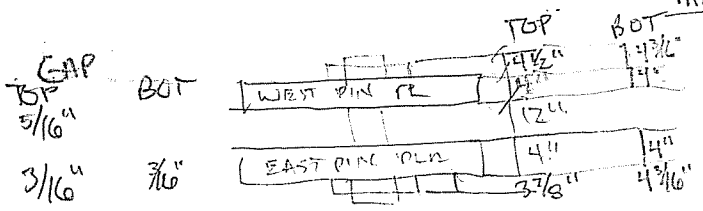
CREW:	DATE:	SHEET:
SGD/CTY	3/20/08	2 of 3
		of

EDGELINE MEASUREMENTS



133
333

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJJ	4/8/00	3 of 3
		of



E. ELEV TOP PIN C3-244, C3-245
W. ELEV TOP PIN
E. ELEV BOT PIN C3-247
W. ELEV BOT PIN C3-249

PIN & HANGER DATA SHEET

Form BRI-29, Rev. 6/99

Measurements Taken By: BKC, PGN Date: 9/3/09

Bridge No.: [redacted] Town: [redacted]

Hanger Location: [redacted] Effective span for Movement: [redacted] (ft)

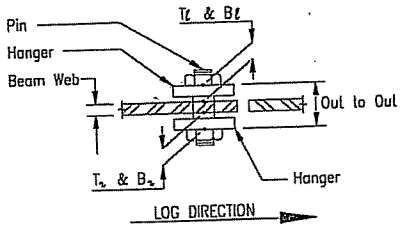
Page: 1 of 60

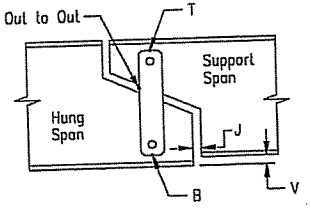
Beam No.	W. GAP (in)	E. GAP (in)	Tr (in)	Br (in)	Tl (in)	Bl (in)	Out to Out (in)	Secondary System Type	Gap[1] (Y/N)	Nut Restraint System	Temp	Comments
												DIST B/W PIN 12" EAST PIN PL 4" TH
TOP EAST TUB 1	5/16	3/16"	3⅞"		4½"		28" 3/8	NONE	Y	LOMAS NUT W/COTTER PIN	75°	HOLLOW PIN, W/BRASS WASHER, VERY GOOD COND
2												LOAD PIN 12"
BOT EAST TUB 3	3/16"	3/16"		4 3/16"		4 3/16"	28 1/2"	NONE	Y	LOMAS W/COTTER	EAST FACE	W 3/4" I.D. BRASS WASHER AND HANGER C3-246 GEN. NOTED DIST ON NUT & PIN & BOTH EAST & WEST C3-248
4												
5												C3-250 GEN. COND. DOUBLE NUTS
6												W/NO VISIBLE THREADS
7												
8												
9												
10												

137
333

Notes:

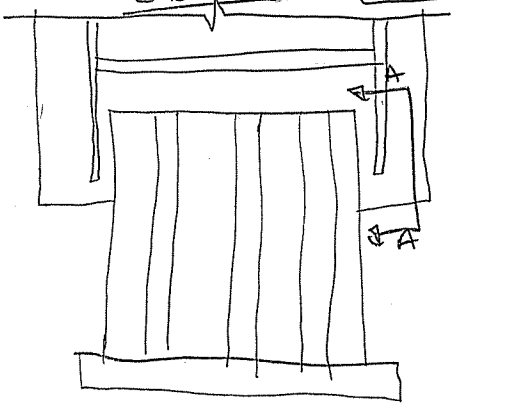
1) For Pin & Hanger assemblies with a redundant support system, indicate if there is a gap between the redundant system (bearing) and the bottom flange of the suspended girder.
2) All measurements are taken in reference to log direction.
   V : Vertical misalignment of girders @ left edge of girder's bottom flange.
   J : Joint opening between webs, measured just above the bottom flange fillet, on the left face of the girder's web.
   Out to Out : The out-to-out of hangers taken at the leading edge, based on log direction.
3) Use a permanent marker to indicate locations of field measurements.



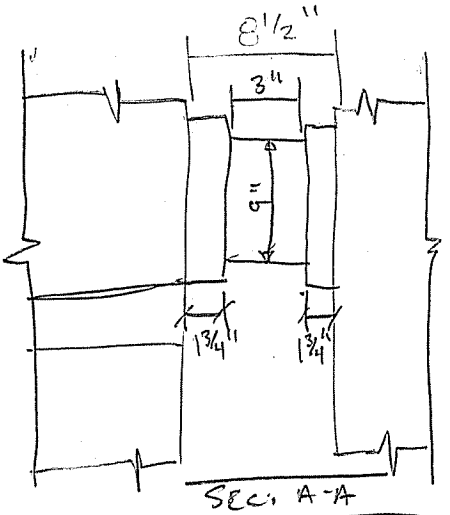


WIND LOCK AT PIER 1

EAST ELEV C3-251



WEST ELEV C3-254



SEC. A-A

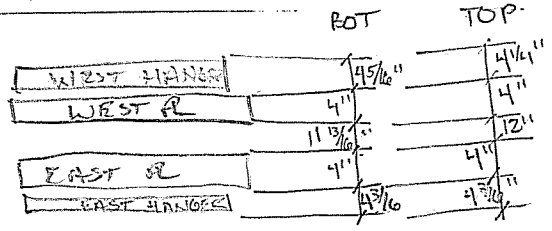
EAST C3-252

WEST C3-253

BKC, PGM 4/3/08

SHEET 2/6

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW:	DATE: SHEET:
	of
	of



	THREAD	ELEV SHOT
EAST TOP	5	C3-260
WEST TOP	5	C3-262
EAST BOT	4	C3-256
WEST BOT	5	C3-259

PIN & HANGER DATA SHEET

Form BRI-29, Rev. 6/99

Measurements Taken By: BRC, PGN Date: 4/3/08

Bridge No.: [redacted] Town: [redacted]

Hanger Location: W. TUB AT PIER 1 Effective span for Movement: [redacted] (ft)

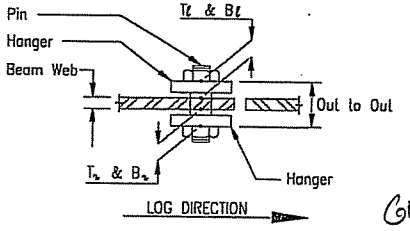
Page: 3 of 6

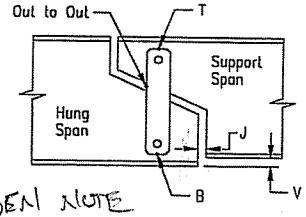
	Beam No.	GAP EAST V (in)	GAP WEST U (in)	Tr (in)	Br (in)	Tl (in)	Bl (in)	Out to Out (in)	Secondary System Type	Gap[1] (Y/N)	Nut Restraint System	Temp	Comments
WEST TUB BOT	1	3/16"	1/4"		4 3/16"		4 5/16"	28 3/8"	NONE	Y	LUMAS W/COTTERED	75°	EAST F. UP TO 3/4 R. R., MED. RUST. C3-255 WEST F. UP TO 3/8" T.R., MED. RUST C3-258
	2												
WEST TUB TOP	3	3/16"	1/4"		4 3/16"		4 1/4"	28 7/16"	NONE	Y	LUMAS W/COTTE	75°	E. PIN NUT HAS 1/4" GAP BTWN NUT/BRASS WASHER ~~E. PIN HAS GREASE COMING FROM PIN~~
	4												
	5												W. NUT IN VERY GOOD COND.
	6												
	7												
	8												
	9												
	10												

139
333

Notes:

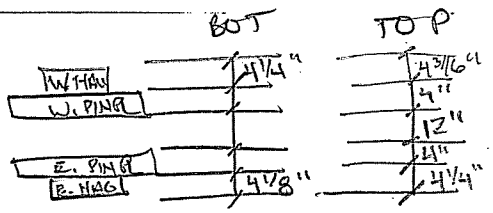
1) For Pin & Hanger assemblies with a redundant support system, indicate if there is a gap between the redundant system (bearing) and the bottom flange of the suspended girder.
2) All measurements are taken in reference to log direction.
   - **V** : Vertical misalignment of girders @ left edge of girder's bottom flange.
   - **J** : Joint opening between webs, measured just above the bottom flange fillet, on the left face of the girder's web.
   - **Out to Out** : The out-to-out of hangers taken at the leading edge, based on log direction.
3) Use a permanent marker to indicate locations of field measurements.





GEN NOTE
NEGATIVE 1 THREAD ON DOUBLE NUT AT BOT. OF ASSEMBLY C3-257

BIRD NESTING IN ASSEMBLY [redacted]



	THREADS	BLEX
BOT WEST	5	C3-279
BOT EAST	5	C3-280
TOP WEST	5	C3-285
TOP EAST	5	C3-286

PIN & HANGER DATA SHEET

Form BRI-29, Rev. 6/99

Measurements Taken By: BEC, PGM Date: 4/3/02

Bridge No.: [redacted] Town: [redacted]

Hanger Location: EAST TUB PIER 4 Effective span for Movement: [redacted] (ft)

Page: 4 of 6

Beam No.	W. GAP W (in)	E. GAP J (in)	Tr (in)	Br (in)	Tl (in)	Bl (in)	Out to Out (in)	Secondary System Type	Gap[1] (Y/N)	Nut Restraint System	Temp	Comments
1	1/4"	1/8"		4 1/8"		4 1/4"	28 1/2"	—	Y	LUMASW/ COVER	75°	W. NUT LT RUST/MINIMAL PITTING, 2 WELDED WASHERS BOT
2												E. NUT 1/4 R. UP TO 5/8", MOD SURF RUST, 4 WELDED NUTS
3												
4												W. NUT - LT RUST, 4 WELDED WASHERS
5	3/16"	1/4"			4 3/16"		28 7/16	—	Y	LUMASW/ COVER	75°	E. NUT WASHER 1/4 R. 1/4", 4 WELDED WASHERS
6												
7												
8												
9												
10												

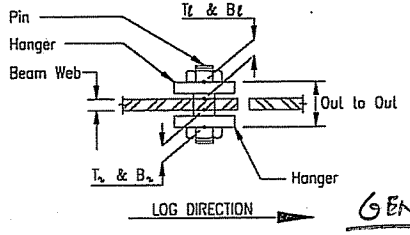
W. TUB BOT

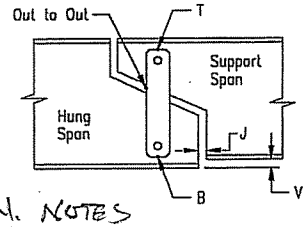
3.33 446

BE TUB TOP

Notes:

1) For Pin & Hanger assemblies with a redundant support system, indicate if there is a gap between the redundant system (bearing) and the bottom flange of the suspended girder.
2) All measurements are taken in reference to log direction.
   - **V** : Vertical misalignment of girders @ left edge of girder's bottom flange.
   - **J** : Joint opening between webs, measured just above the bottom flange fillet, on the left face of the girder's web.
   - **Out to Out** : The out-to-out of hangers taken at the leading edge, based on log direction.
3) Use a permanent marker to indicate locations of field measurements.

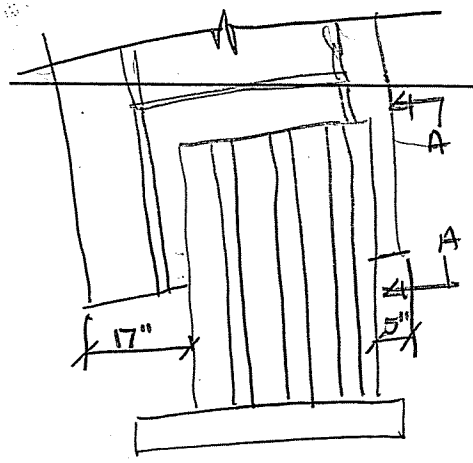




GEN. NOTES

SCREENING BENT ON N. SIDE, BROKEN BOLT/WELDS E. SIDE

C3-282 - 284

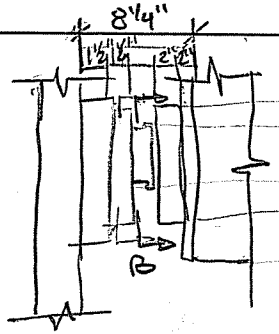


WEST ELEV

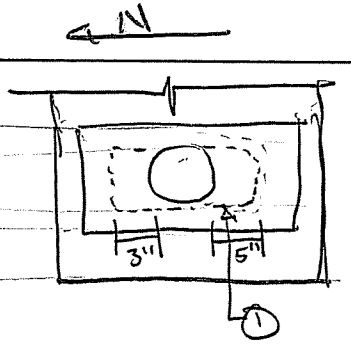
C3-271

EAST ELEV

C3-277



SEC A-A



SEC B-B

PIER 4 WIND LOCK

WEST PIN HAS VISIBLE LIGHT & SHOWS SIGNS OF MOVEMENT C3-271-274

EAST PIN SHOWS SIGNS OF MOVEMENT C3-275/276

MOVEMENT RANGE IS IN BOTH NORTH & SOUTH DIRECTION (3"N, 5"S)

(1) INDICATION OF MOVEMENT (SHINY METAL/POLISH FINISH)

	CTLGroup	Bridge No: Luling Bridge
	NOTES BY: Tran Systems	City/Town: Luling, LA
	BEC, PGN	CREW:
	4/3/08	DATE:
		JOB: P710070019
	of	SHEET: 5 of 6

141
333

	TOP	BOT
W. HANG	4 3/16"	4 1/4"
W. PIN PL	4 1/16"	
	12 1/4"	
E. PIN PL	4 1/16"	
E. HAN	4 3/16"	4 3/16"

	THREADS	ELEV SHOT
TOP EAST	5	C3-263
TOP WEST	5	C3-264
BOT EAST	5	C3-278
BOT WEST	5	C3-268

PIN & HANGER DATA SHEET

Form BRI-29, Rev. 6/99

Measurements Taken By: BKC, PGN Date: 4/3/03

Bridge No.: [redacted] Town: [redacted]

Hanger Location: WEST TUB AT D4 Effective span for Movement: [redacted] (ft)

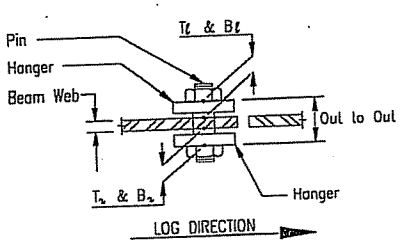
Page: 6 of 6

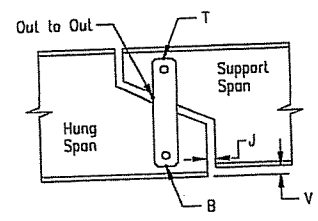
	Beam No.	WEST GAP (in)	EAST GAP (in)	Tr (in)	Br (in)	Tl (in)	Bl (in)	Out to Out (in)	Secondary System Type	Gap[1] (Y/N)	Nut Restraint System	Temp	Comments
WEST TUB TOP	1	1/4"	1/4"	4 3/16"		4 3/16"		28 3/4"	NONE	Y	LUMAS W/COTTER	80°	EASTSIDE HAS LT SURF. RUST, WASHERS TACK WELDED TO HANGER NO SIGNS OF DISTRESS.
	2												WESTSIDE HAS LT SURF RUST WASHERS TACK WELDED TO HANGER HOLDING
	3												BRASS WASHER C3-265
WEST TUB BOT	4	1/4"	3/16"		4 3/16"			28 5/8	NONE	Y			HANGER AT ANGLE W/ BROKEN WELDS ON WIND SCREENING (PICKLED PL) C3-266/267
	5												LT RUST ON WEST NUT, WELDED WASHERS ON BOT 3/8" I.R. ON EAST NUT, W/ LT RUST C3-269
	6												1 WELDED WASHER
	7												
	8												
	9												
	10												

142
333

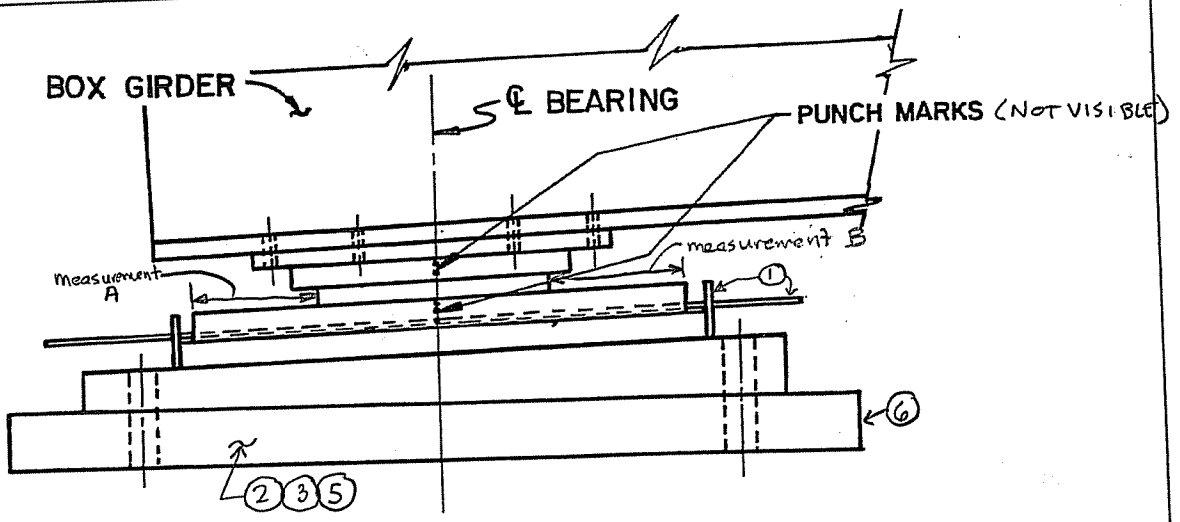
Notes:

1) For Pin & Hanger assemblies with a redundant support system, indicate if there is a gap between the redundant system (bearing) and the bottom flange of the suspended girder.
2) All measurements are taken in reference to log direction.
   - **V** : Vertical misalignment of girders @ left edge of girder's bottom flange.
   - **J** : Joint opening between webs, measured just above the bottom flange fillet, on the left face of the girder's web.
   - **Out to Out** : The out-to-out of hangers taken at the leading edge, based on log direction.
3) Use a permanent marker to indicate locations of field measurements.





GEN. NOTES
ANCHOR NUTS (SINGLE) IN OVERSIZED HOLE THAT'S GROUTED



(6) WEST Half of N. E Elev of Pedestal w/ corner spall on West Brg of West Box. C3-38

(7) SW keeper PL Shows signs of previous contact w/ Horizontal PL @ west Brg for West Box C3-36

EXPANSION BEARING MEASUREMENTS			
	LOCATION	TEMP (°F)	MEASUREMENT
PIER 1S	WEST BOX GIRDER EAST BEARING	50°F	A = 7" B = 2"
	WEST BOX GIRDER WEST BEARING	50°F	A = 7" B = 1 7/8"
	EAST BOX GIRDER EAST BEARING	50°F	A = 7 1/2" B = 1 11/16"
	EAST BOX GIRDER WEST BEARING	50°F	A = 7" B = 2"
PIER 1N	WEST BOX GIRDER EAST BEARING		
	WEST BOX GIRDER WEST BEARING		
	EAST BOX GIRDER EAST BEARING		
	EAST BOX GIRDER WEST BEARING		

NOTE 1 same, NOTE 2 same Except NOT FW on S. face & no spall on W. face

NOTE: ~~"N" OR "S" REFERS TO THE DIRECTION OF TOP PUNCH MARKS IN RELATION TO BOTTOM PUNCH MARKS.~~

(1) WELDED Keeper PL on NE Corner (C3-21) of East Brg for EAST Box is missing, NW & SW Keepers in contact with Horizontal PL (C3-25)

(2) FH x 2 3/4" w corner spall on (C3-22) South Half of East & West Faces x FW of South Elev. of Conc. Pedestal of E. Brg for E. Box

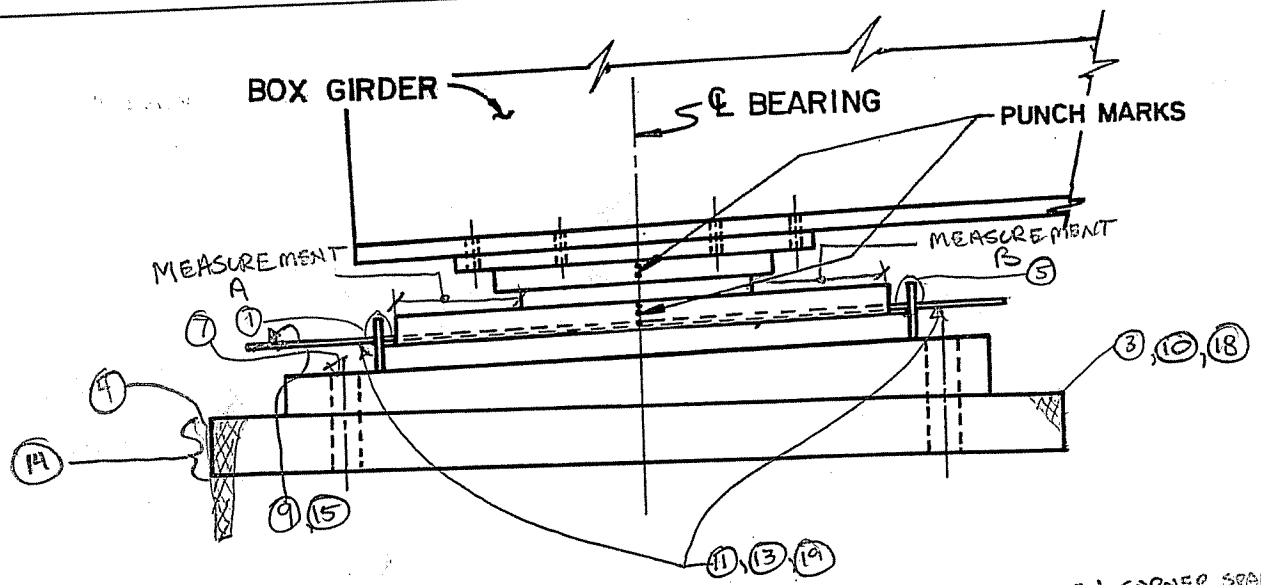
(3) Corner spall F.L. of East Side, Fw of South Side & 1/2 L of west side of East Brg of West Box (C3-32)

(4) SW & NW Keepers in contact w/ horiz plate @ E. Brg for West Box

(5) Corner Spall - 1/2 L on East Face, F.L. on South Face & 1/2 L on west Face of W. Brg of West Box (C3-35)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
	JOB: P710070019

CREW:	DATE:	SHEET:
SD	3/4/08	2 of 2
		of



EXPANSION BEARING MEASUREMENTS

	LOCATION	TEMP (°F)	MEASUREMENT	
PIER 1 S	WEST BOX GIRDER EAST BEARING			
	WEST BOX GIRDER WEST BEARING			
	EAST BOX GIRDER EAST BEARING			
	EAST BOX GIRDER WEST BEARING			
PIER 1 N	WEST BOX GIRDER EAST BEARING	80°F	A = 4 3/4" B = 16"	N.E. ELEV C2-704
	WEST BOX GIRDER WEST BEARING	80°F	A = 4 1/2" B = 16 1/2"	N.W. ELEV C2-708
	EAST BOX GIRDER EAST BEARING	80°F	A = 4 3/4" B = 16 1/4"	N.E. ELEV C2-697
	EAST BOX GIRDER WEST BEARING	80°F	A = 4 1/4" B = 16 1/4"	N.E. ELEV C2-700

TYPICALLY DOUBLE NUTTED ANCHOR RODS

(18) S.F., FH CORNER SPALL ON PEDESTAL W. GIR. W BRG

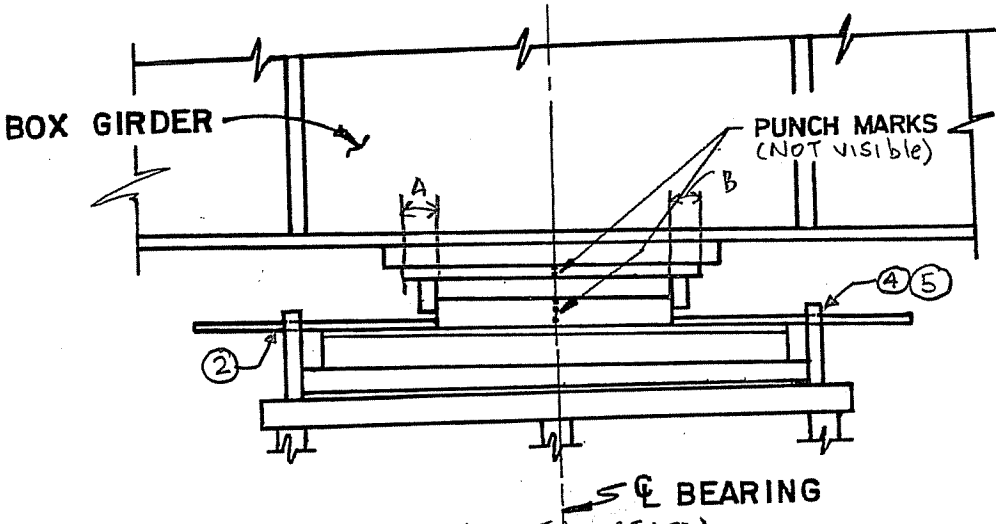
(19) BOT OF ℄ INDICATES MOVEMENT (3 1/2" S, 6" N) W. GIR. W BRG

NOTE: "N" OR "S" REFERS TO THE DIRECTION OF TOP PUNCH MARKS IN RELATION TO BOTTOM PUNCH MARKS.

(1) BROKEN WELD / BENT KEEPER ON NE CORNER, EAST TUB, E. BEARING C2-693
(2) KEEPER FROZEN W/WEARING, SE CORNER, E. TUB, E. BRG C2-694
(3) PEDESTAL CORNER SPALL F.L, E. TUB, E. BRG, S. FACE C2-696
(4) DELAM & SPALL IN PEDESTAL / PIER 1' WIDE x 6" TALL C2-695
(5) ~~KEEPER CLEAR OF ℄ BUT INDICATION OF RUBBING~~, SW CORNER E. GIR W BRG
(6) CORNER DELAM F.H./F.W. PEDESTAL S.F. E. GIR W BRG SE CORNER E. GIR. W BRG
(7) DOUBLE NUT ON ANCHOR ROD, NE CORNER E. GIR. W. BRG
(8) BROKEN KEEPER NW CORNER, E. GIR. W. BRG C2-698
(9) 6 1/2" x 2 1/2" CUTOUT OF ℄ IN NW CORNER W. BRG, E GIR. C2-699
(10) SPALL / DELAM. ALONG CORNER OF S.F. PEDESTAL, E. GIR. W. BRG C2-701
(11) ROT. OF ℄ INDICATES SIGNS OF MOVEMENT (5" S, 6" N, E. GIR W. BRG)
(12) N.E. KEEPER RUBBING / IN CONTACT, NW BENT C2-704!, W. GIR. E BRG
(13) BOT OF ℄ INDICATES SIGNS OF MOVEMENT (3 1/2" S, 6" N) W. GIR. E BRG
(14) 3' L x F.H. PEDESTAL W GIR. E BRG SPALL C2-702 NO FACE
(15) 6 1/2" x 2 1/4" CUTOUT OF ℄ IN N.S. CORNER, E. GIR. W. GIR C2-703
(16) 2' L x F.H. PEDESTAL CORNER SPALL, W GIR. W BRG C2-706
(17) SE KEEPER FROZEN, N.W. BENT C2-707

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, CTY	4/10/08	1 of 1
		of

144
380



EAST ELEVATION

EXPANSION BEARING MEASUREMENTS				
	LOCATION	TEMP.(°F)	MEASUREMENT	
PIER 3	WEST BOX GIRDER EAST BEARING	48°F	A = 2 5/8" to the South B = 3/4" to the South	C3-51 to 53
	WEST BOX GIRDER WEST BEARING	48°F	A = 2 5/8" to the South B = 5/8" to the South	C3-54 to 56
	EAST BOX GIRDER EAST BEARING	48°F	A = 2 5/8" to South B = 5/8" to South	C3-42 to 44 C3-46
	EAST BOX GIRDER WEST BEARING	48°F	A = 2 3/4" to South B = 5/8" to South	C3-45 C3-48 to 50

~~X NO PREVIOUS PUNCH MARKS~~.

NOTE: "N" OR "S" REFERS TO THE DIRECTION OF TOP Plate ~~PUNCH MARKS~~ IN RELATION TO BOTTOM ~~PUNCH MARKS~~ Plate.

Center Keeper Assembly: C3-59 to 62

⑥ Overall good condition

⑦ Signs of Longitudinal movement

① Typ. Cond - Brg. Assemblies exhibit Lt Rusting of Weathering Steel.

② Signs of Movement Noted on bottom of Horizontal ℙ

③ Bolsters Exhibit Random small areas of med-hvy Rust as well as bolster AB NUTS w/ negligible Losses.

④ NW Keeper of W. Brg of E. Box Girder in contact w/ Horizontal ℙ (Signs of Movement) C3-48 [SE keeper similar but less, severe]

⑤ Same As ④ on W. Brg of W. Box Girder 145/333 C3-54

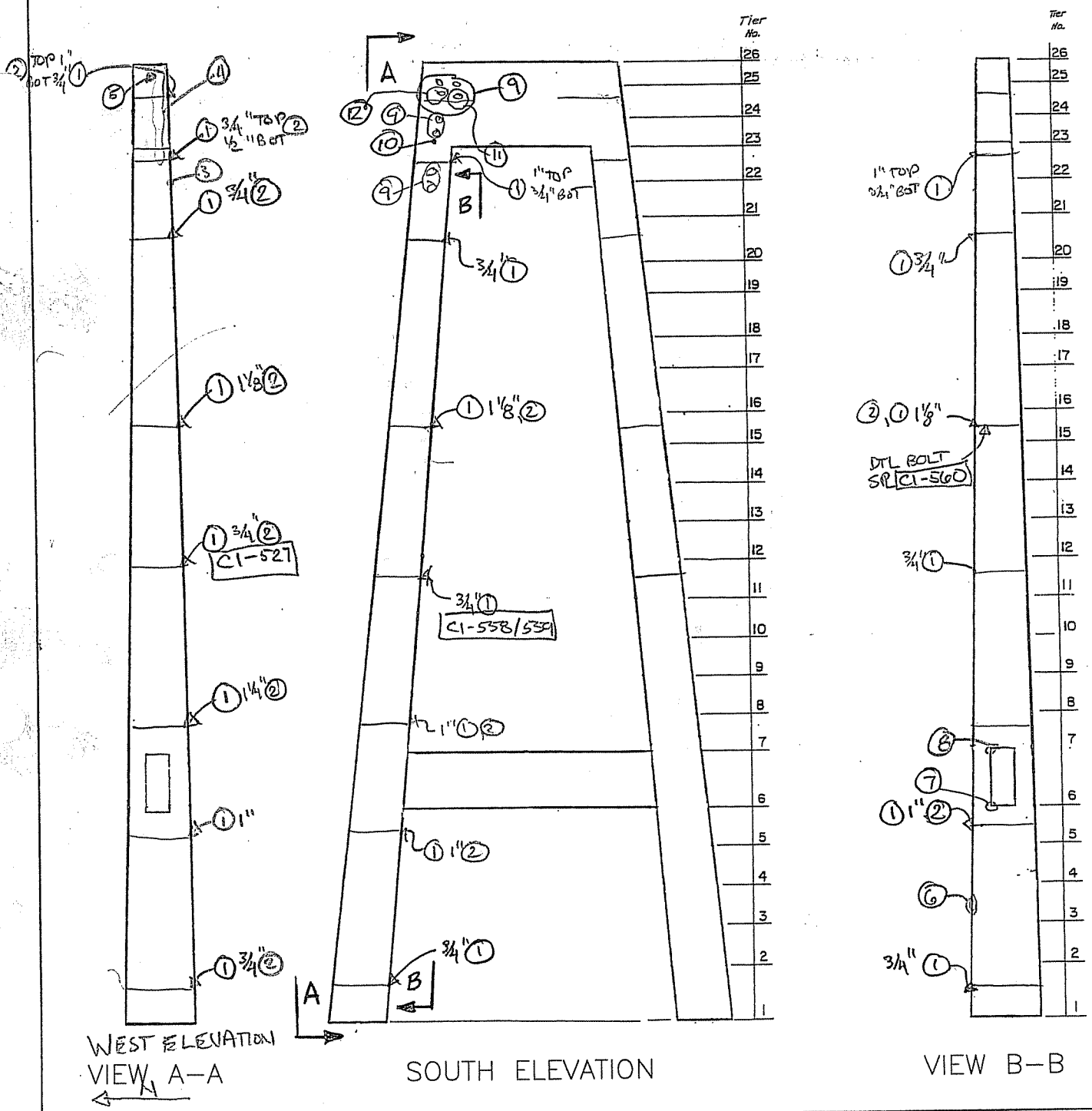
CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
SD	3/5/08	1 of 1
		of

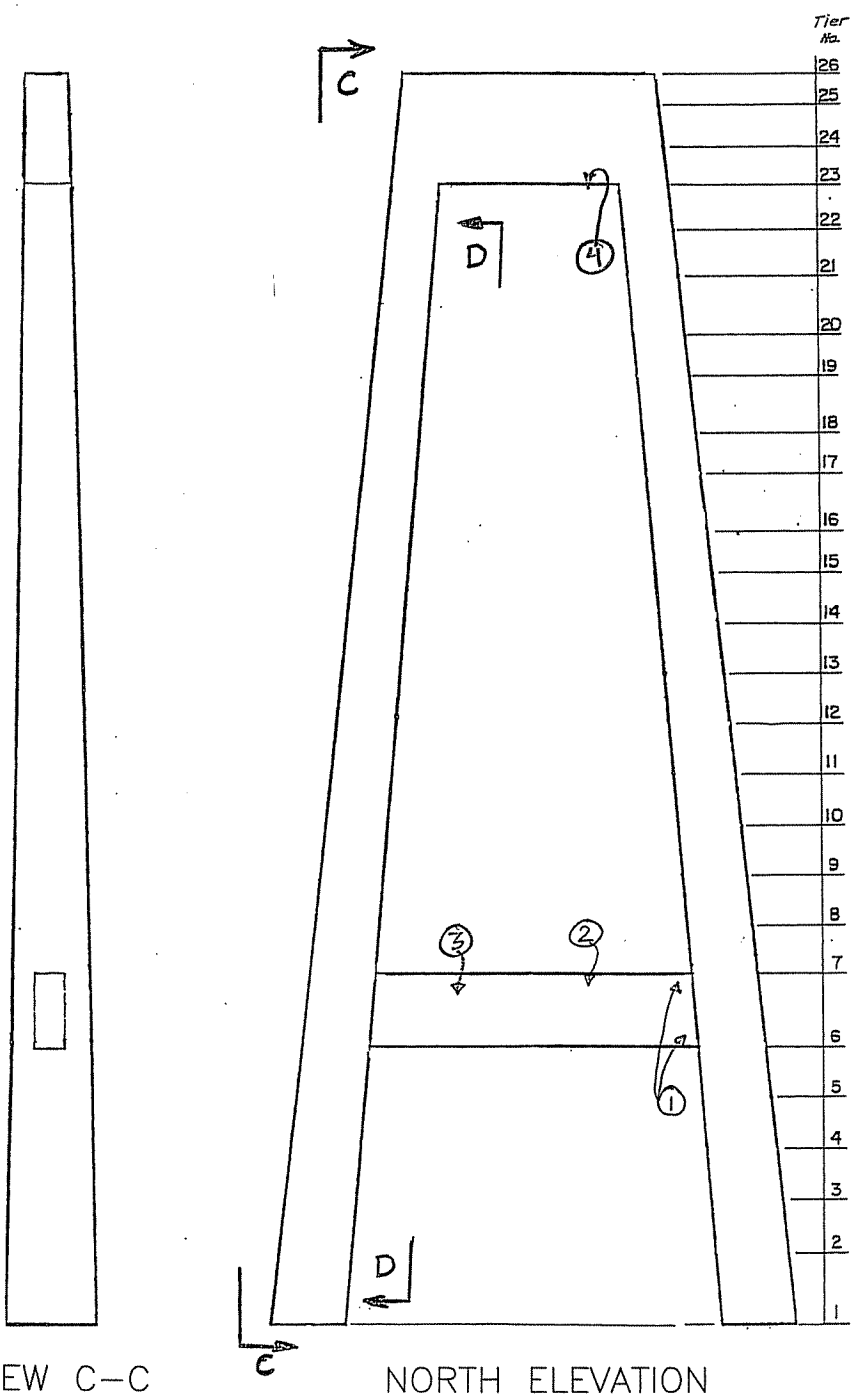


1. PACK RUST
2. SECTION LOSS ALONG SPLICE PLUP TO 1/8"
3. WELDED SPL IN GOOD COND. TYP. C1-528
4. RUST STAINING FROM TOP OF STRUT, NEG. LOSS C1-529
5. 1 1/8" HOLE APPROX. 5' FROM TOP IN CENTER
6. 1/2" DENT FOR 6" ALONG SPL AT E END C1-556
7. HOLE AT WELD TO STRUT, PASS SILICONE CAULK, HOLE IS IN A CAULK
8. TYP. CAULK AT WELD TERMINATION
9. SLIGHT GAP 1/16" OR LESS BTWN CABLE & GASKET C1-561
10. 1 BOLT MISSING, 1 BOLT SHEARED BELOW BOT CABLE HOUSE CG2 C1-562
11. 3 SHEARED BOLTS BELOW HOUSING, ONE SHEARED BOLT IN HOUSING C1-563
12. 3 SHEARED BOLTS BELOW ASSEMBLY C1-564

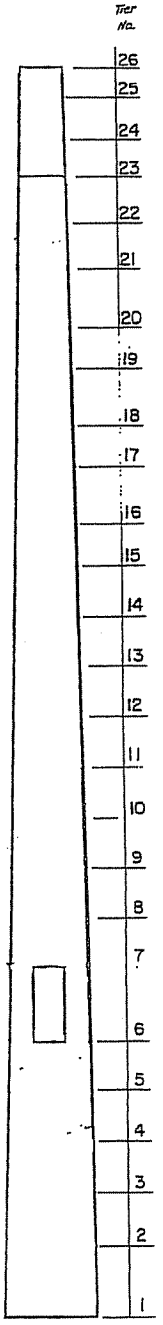
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
TOWER 2	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC, JHR	4/1/08	2 of 4
BKC, JHR	4/2/08	3 of 4

E ⟷ W



VIEW C–C NORTH ELEVATION



VIEW D–D

(1) TYP. N. WALL COND. C1-13 TO C1-14 CHAMBER 3

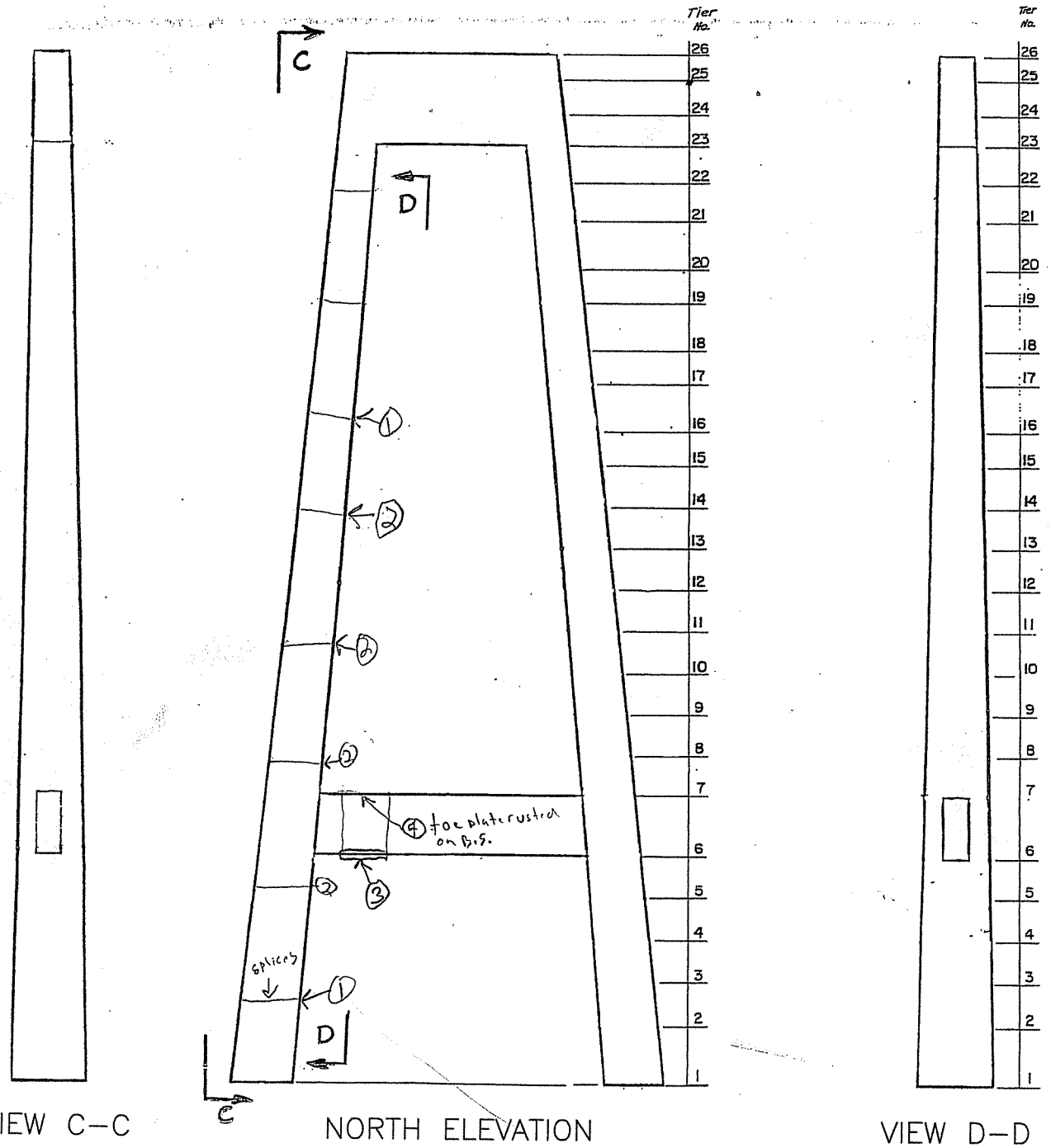
(2) TYP. ANCHOR BOLTS CON. ON TOP OF CHAMBER 4 C1-15

(3) TYP. MOD. RUST ALONG N. WALL C1-16

(4) SOUTH END, 70% LOSS AT SPL. R. NUTS/BOLTS & PITT UP TO 1/8" C1-14 C1-15

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
TOWER 2	
JOB: P710070019	

CREW:	DATE:	SHEET:
BRC, MJJ	3/3/08	1 of 10
		of



E.S., N tower 2, S. face of wind fairing, pigeon screen damaged

① P.R splice plate W. vertical edge 3/4"

② P.R splice plate W. vertical edge 1"

③ N. edge E splice bottom plate on Horizontal build up Brace [C1-449]

④ Drainage top of E. sp. plate between E+W leg H. brace [C1-450]

⑤ 9th Bolt on 6th splice from bottom W. P not seated [C1-455]

X Pictures C1-449-458 are of this tower L48 NF, E.T.

333

CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

TOWER 2

JOB: P710070019

CREW:	DATE:	SHEET:
SGB, JHR	3/27/08	of
		of

East Brg. Notes: (Fixed Long., Exp. Trans.)

1. OVERALL Good Condition C3-1 C3-2 C3-4
2. Signs of Movement Transv. Noted
3. Measurements of Movement @ Long. keepers

EAST Brg. Assem.
South Keeper = 3/4" To the WEST C3-3
North Keeper = 11/16" To the West

WEST Brg. Assemb.
South Keeper = 7/8" to the East
North Keeper = 7/8" to the East C3-5

4. Vertical 1/16" deep gouges in base pl. of brg. on East & West Faces @ random locations.
5. Bolster Cavities filled w/ Lt debris & pigeon debris

West Brg Notes: (Fixed Long., Exp. Transv.)

1. overall Good Cond. C3-8 C3-10
2. Signs of Transv. Movement Noted
3. Measurements of Movement @ Long. keepers

East Brg. Assemb.
South Keeper = 1/16" to the West
North Keeper = 1 1/16" to the West

West Brg. Assembly
South Keeper = 15/16" to the East
North Keeper = 1 1/4" to the East C3-9

4. Vertical 1/16" to 1/8" deep gouges in base PL of both East & West Brg. Assemb. typ. on interior faces C3-6 C3-7
5. Bolster Cavities filled w/ Lt Pigeon Debris.

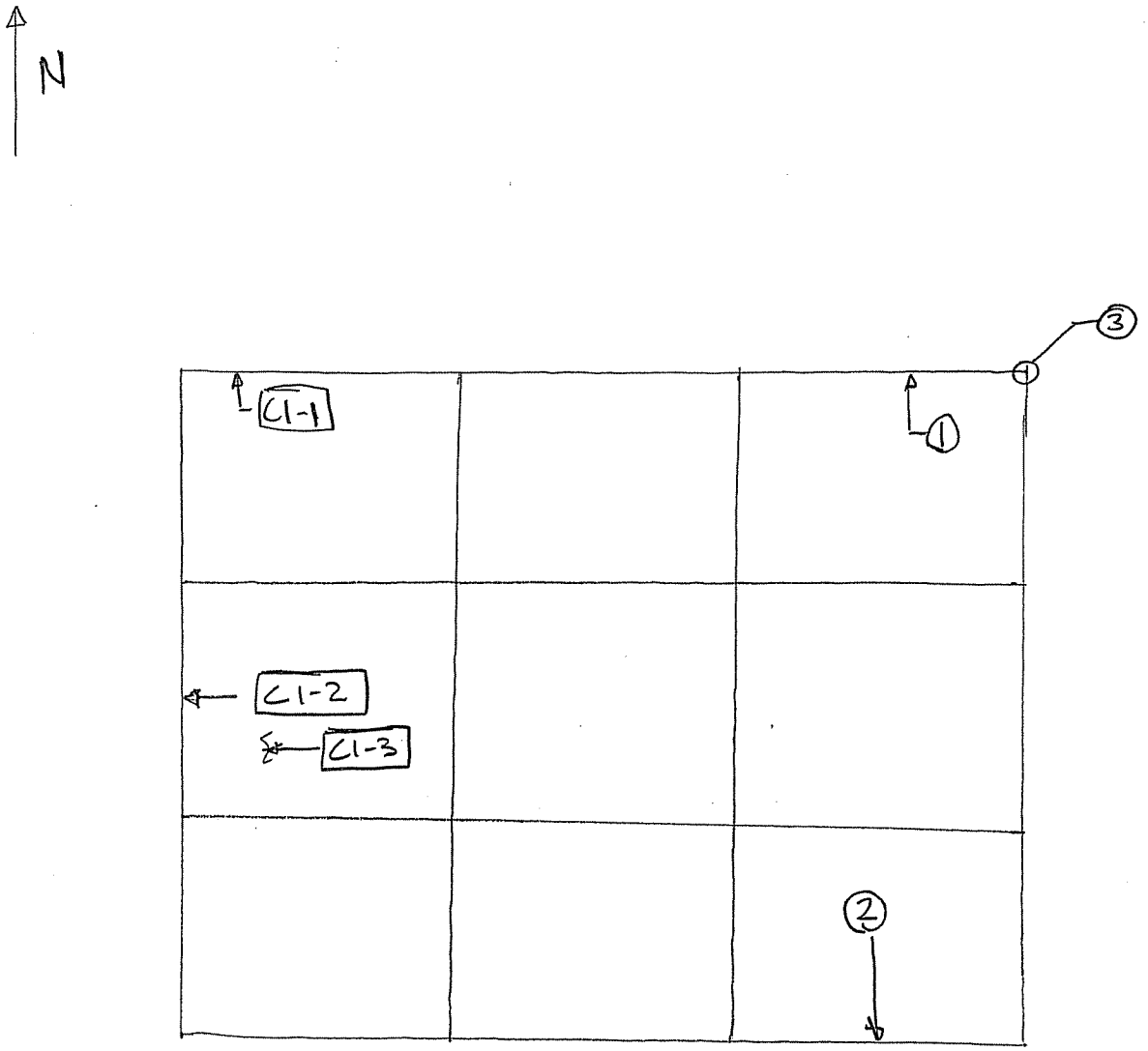
Center Keeper Assembly:

1. overall good cond. C3-13, 14 C3-16
2. SE Vertical stiff. bent ≈1" to the West C3-11 C3
3. Both Sides of Keeper in contact w/ center assembly (No movement noted) C3-12 C3-15

OTHER Notes:

1. Last Two Posts on West End of Both Lower strut Railings are detached @ base C3-17, 18
2. Small Amount of water Ponding on top of Pier 2 Lower strut @ west End.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
Pier 2 / Tower 2 Bearings		
JOB: P710070019		
CREW:	DATE:	SHEET:
SD	3/4/08	1 of 2
		of



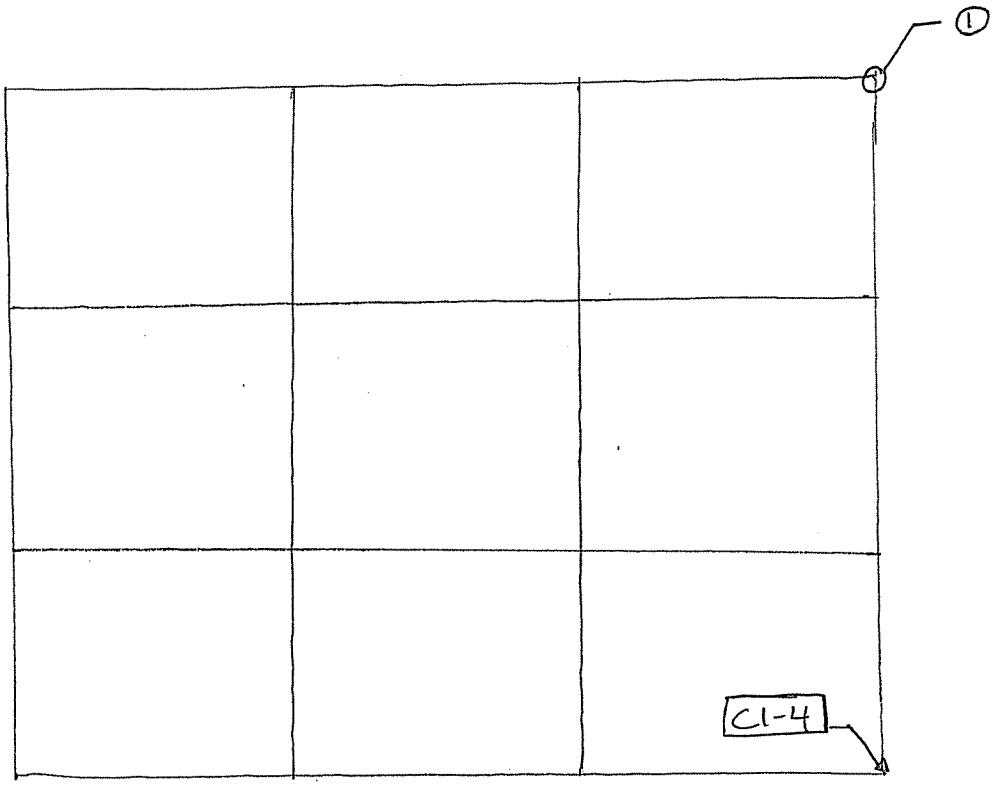
PIER 2
E COLUMN
TIER 1

① NE Corner, Water staining at splice location, typical at most splice locations

② SE Corner bay South wall, missing bolt

③ TYP. MOD. LAMINATING RUST ON EXT. WALL CORNER – ALL CORNERS

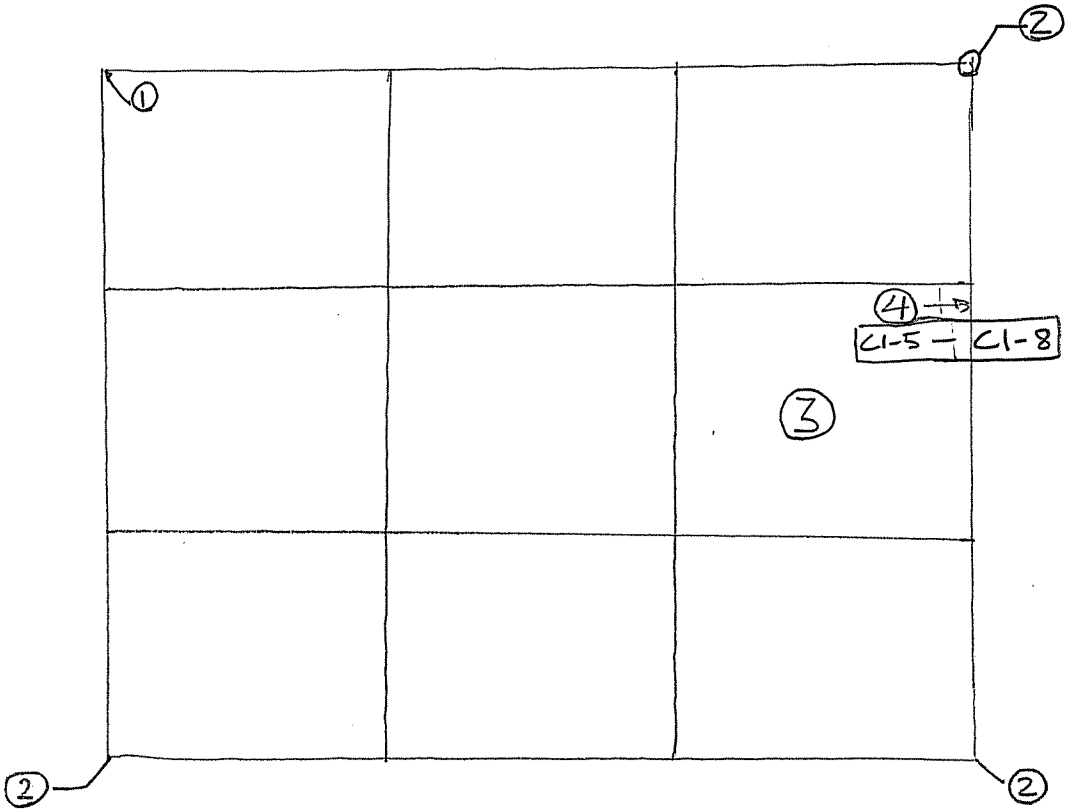
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: BKC | MW	DATE: 3/3/08
	SHEET: 2 of 10
	of



PIER 2
E COLUMN
TIER 2

① Typ. MODERATE LAMINATING RUST ON EXTERIOR WALL CORNER - ALL CORNERS

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
MW/BKC	3/3/08	3 of 10
		of



PIER 2
E COLUMN
TIER 3

① HEAVIER RUST THAN TYPICAL LOCATIONS AT NORTHWEST CORNER OF TIER 3.

② TYP. MODERATE LAMINATING RUST ON EXT. WALL CORNER

③ ONLY BAY VISIBLE FROM TIER 3, ALL OTHER BAYS VISIBLE FROM LOWER TIERS.

④ POOR WELD – PICTURES C15–C18

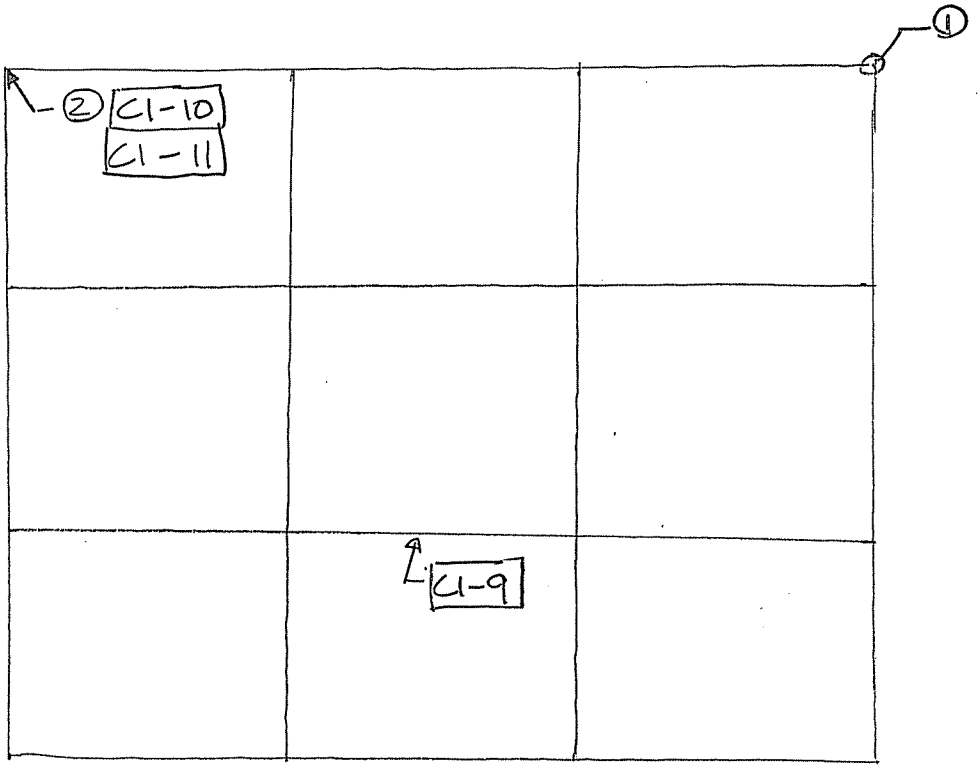
CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
MJJ | BKC	3/3/08	4 of 10
		of



PIER 2
E COLUMN
TIER 4

① TYP. MOD. LAMINATING RUST ON EXTERIOR WALL CORNERS- ALL CORNERS

② HEAVY RUST BELOW HORIZONTAL STIFFENER PLATE

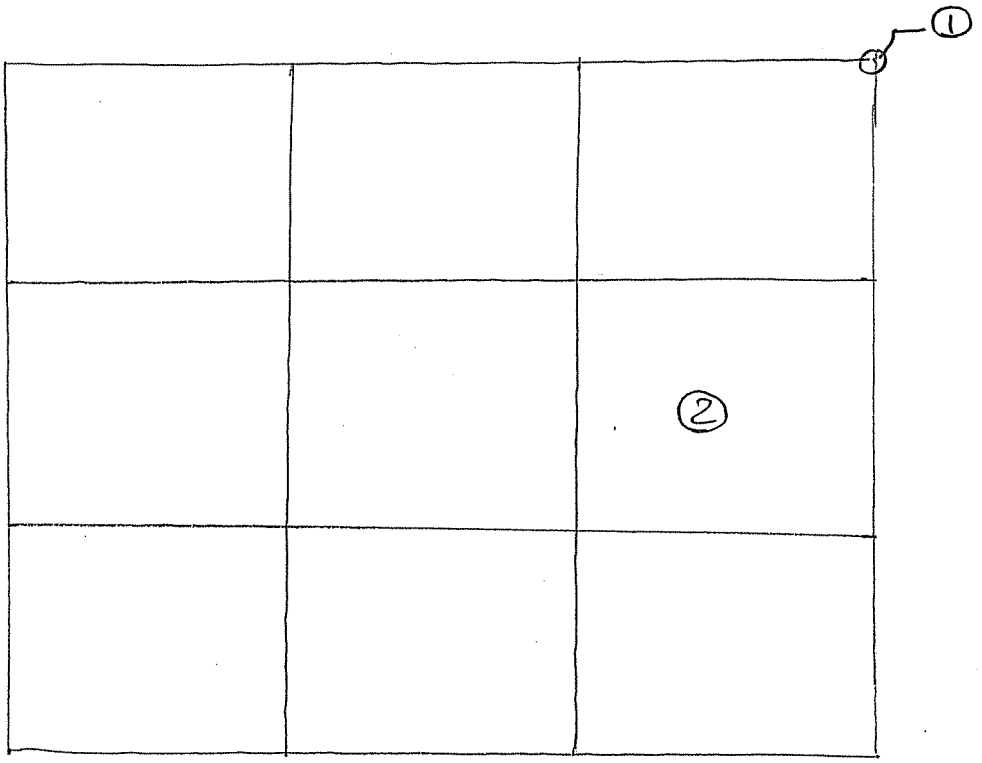
CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
MJJ / BKC	3/3/08	5 of 10
		of



PIER 2
E COLUMN
TIER 5

① TYP. MOD. LAMINATING RUST ON EXTERIOR WALL CORNERS - ALL CORNERS

② ONLY BAY VISIBLE FROM TIER, OTHER BAYS VISIBLE FROM LOWER TIER.

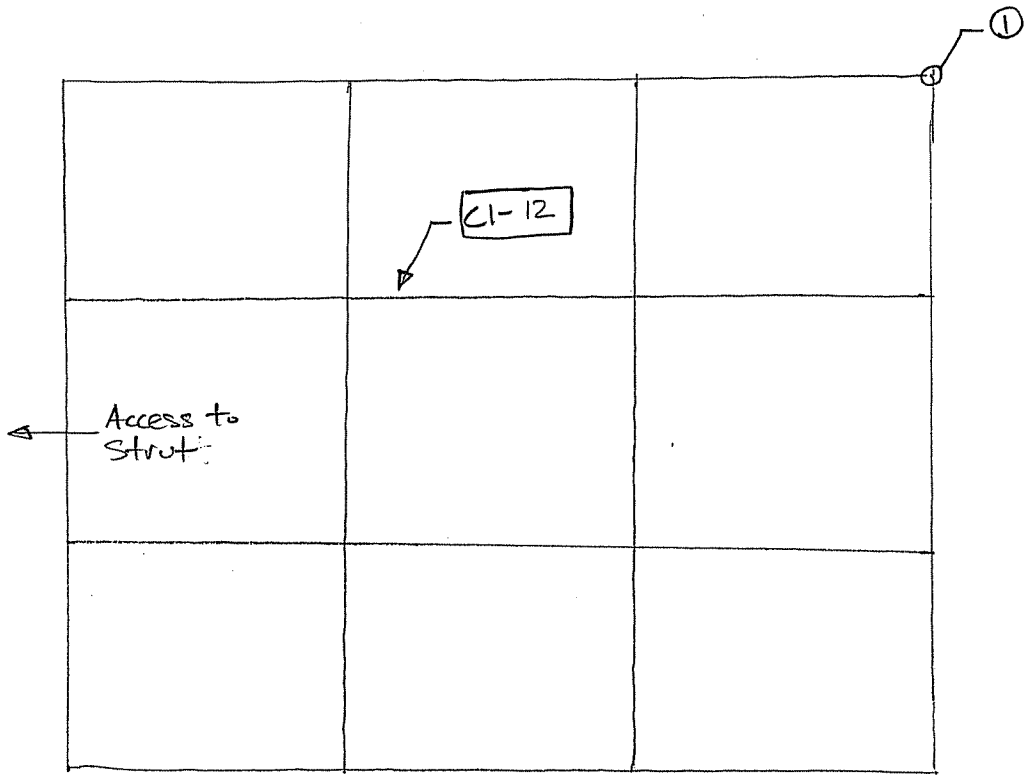
CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

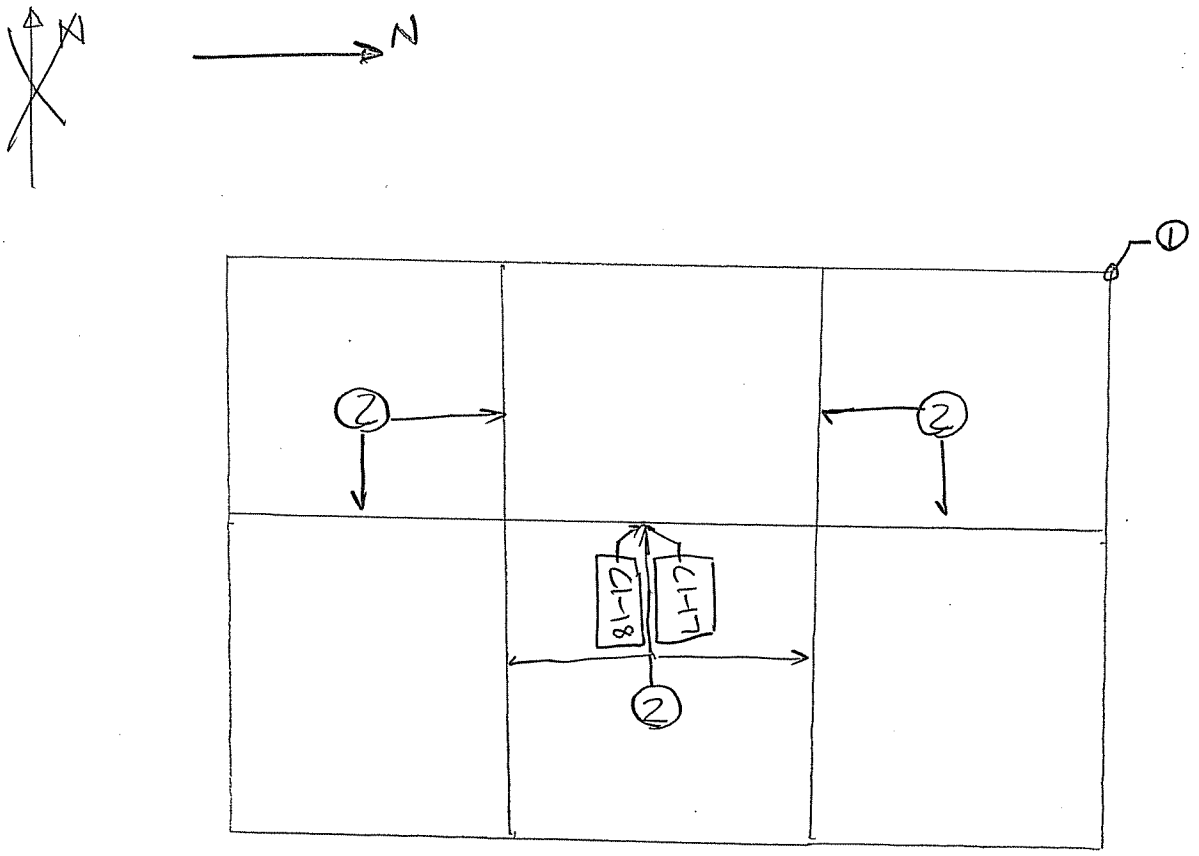
CREW:	DATE:	SHEET:
MJJ/BKC	3/3/08	6 of 10
		of

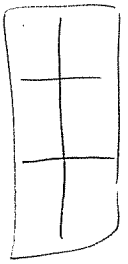


PIER 2
E COLUMN
TIER 6

① TYP. MOD. LAMINATING RUST ON EXT. WALL CORNER - ALL CORNERS

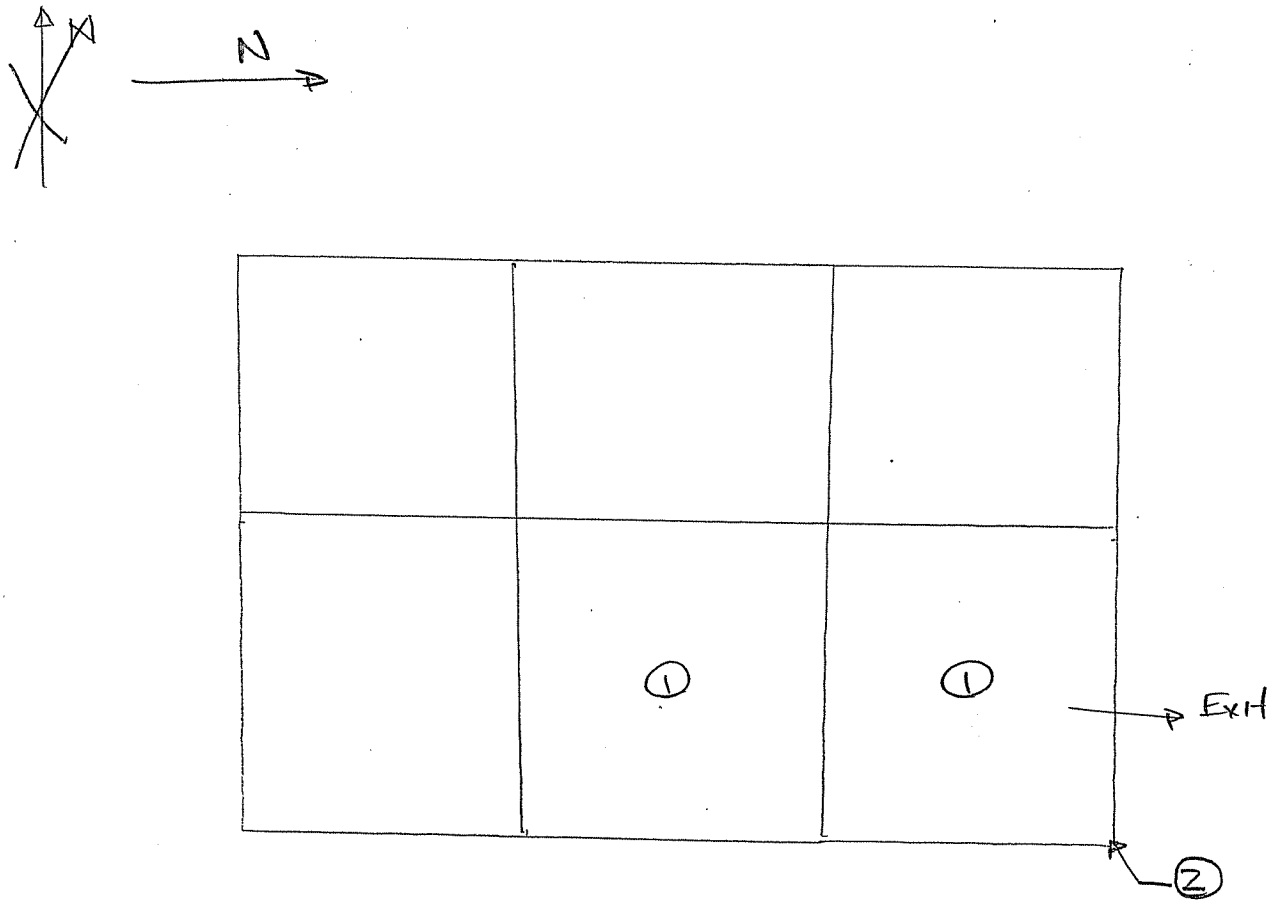
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
MJJ / BKC	3/3/08	7 of 10
		of





PIER 2
E COLUMN
TIER 7

① TYPICAL MODERATE LAMINATING RUST ON EXTERIOR WALL CORNERS - ALL CORNERS	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
② APPROX. 1" GAP IN WEB, TYPICAL AT ALL INTERIOR WEBS	NOTES BY: TranSystems	
	JOB: P710070019	
	CREW:	DATE:
	MJJ / BKC	3/3/08



PIER 2

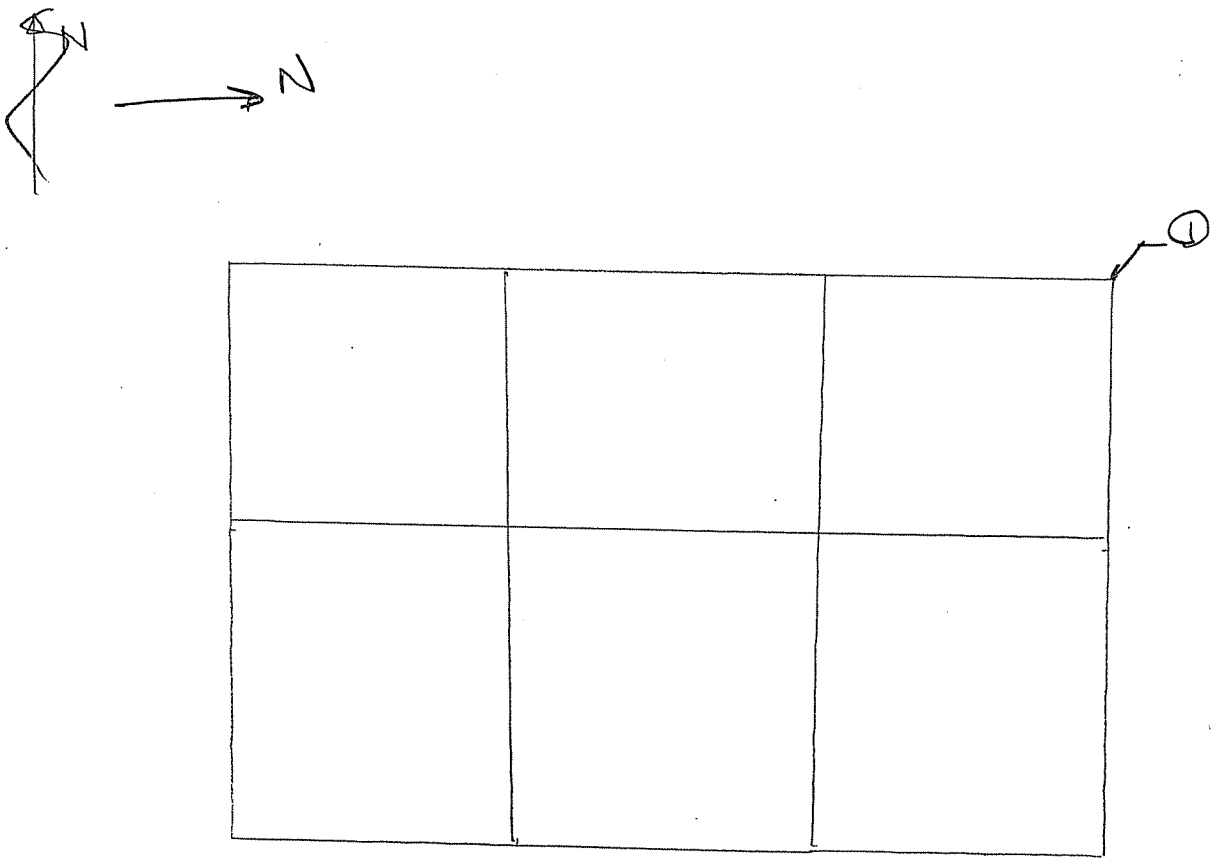
E COLUMN

TIER 8

① ONLY BAYS VISIBLE FROM TIER. OTHER BAYS VISIBLE FROM LOWER TIERS.

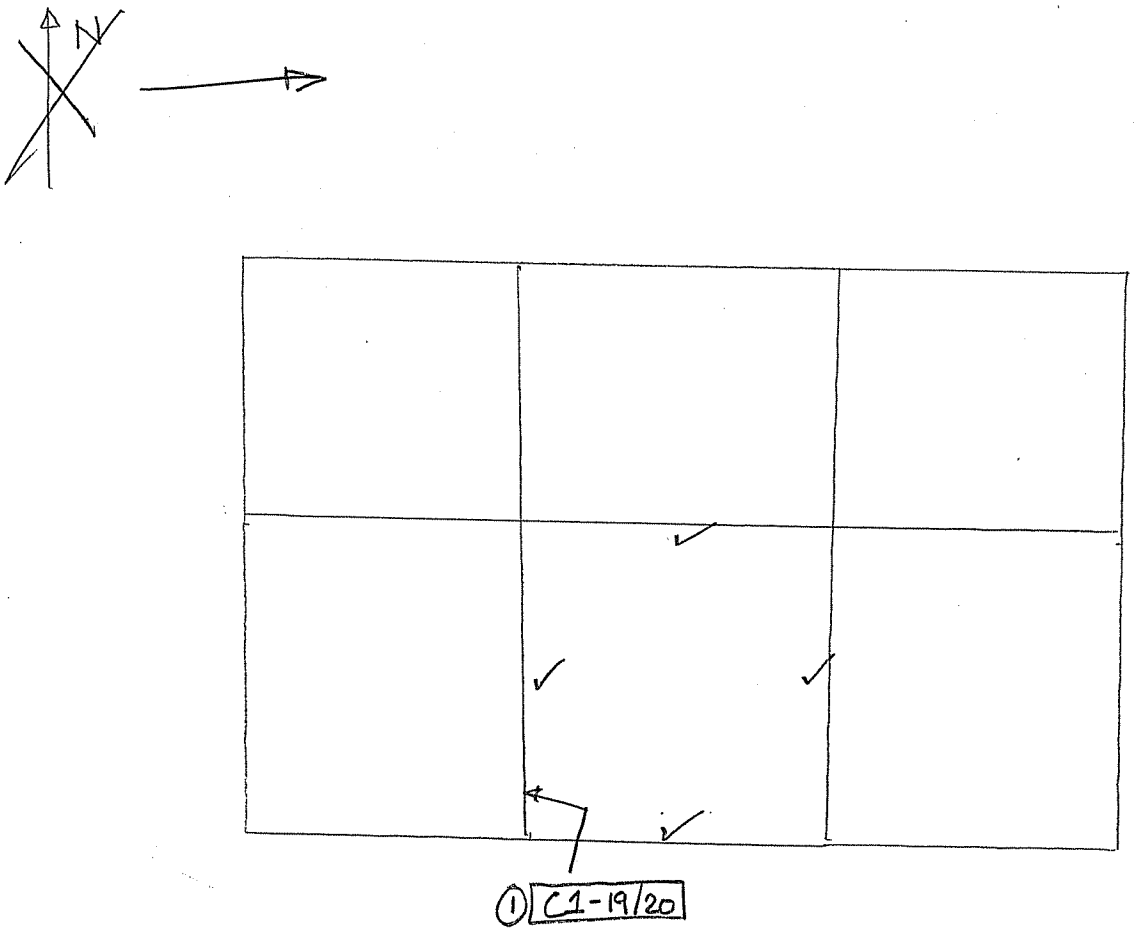
② TYPICAL MOD. LAMINATING RUST ON EXTERIOR WALL CORNER - ALL CORNERS

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
MJJ | BLC	3/3/08	9 of 10
		of



PIER 2
E COLUMN
TIER 9

① TYP. MOD. LAMINATING RUST ON EXT. WALL CORNER - ALL CORNERS.	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
	NOTES BY:	Tran Systems
	JOB: P710070019	
	CREW: MJJ | BKC	DATE: 3/3/08
		SHEET: 10 of 10
		of



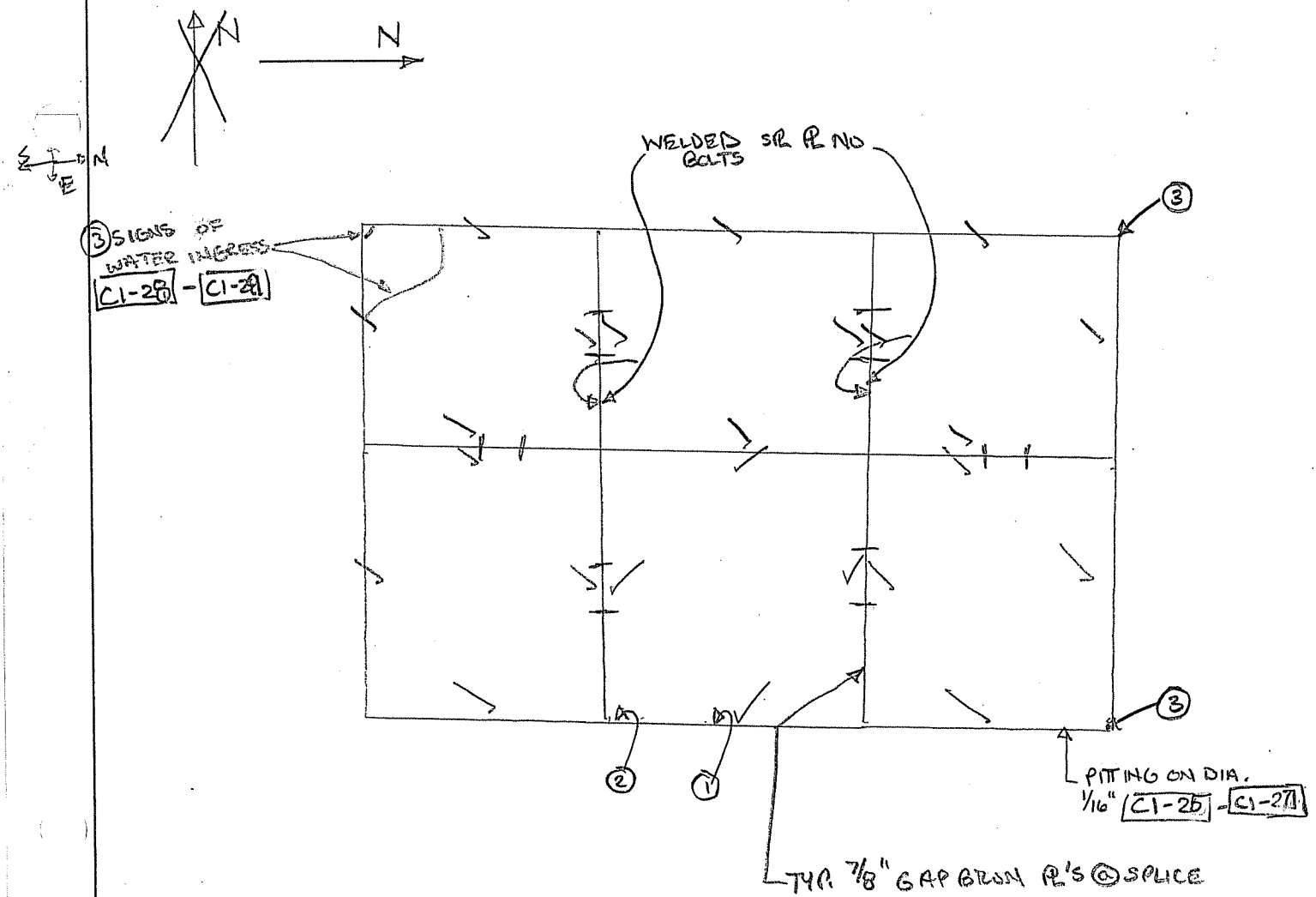
PIER 2

E COLUMN

TIER 10

① TYP. LT RUST ALONG WALL

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MJS	3/4/08	1 of 21
		of



PIER 2

E. COLUMN

TIER 11

1. TYP. LONG STIFF TO VERT. STIFF C1-21 THRU C1-23
2. TYP. WELD DTL (STIFF LONG. TO WALL) C1-24
3. WATER INGRESS AT CORNER, W/MOD. RUST NEG. SEC. LOSS

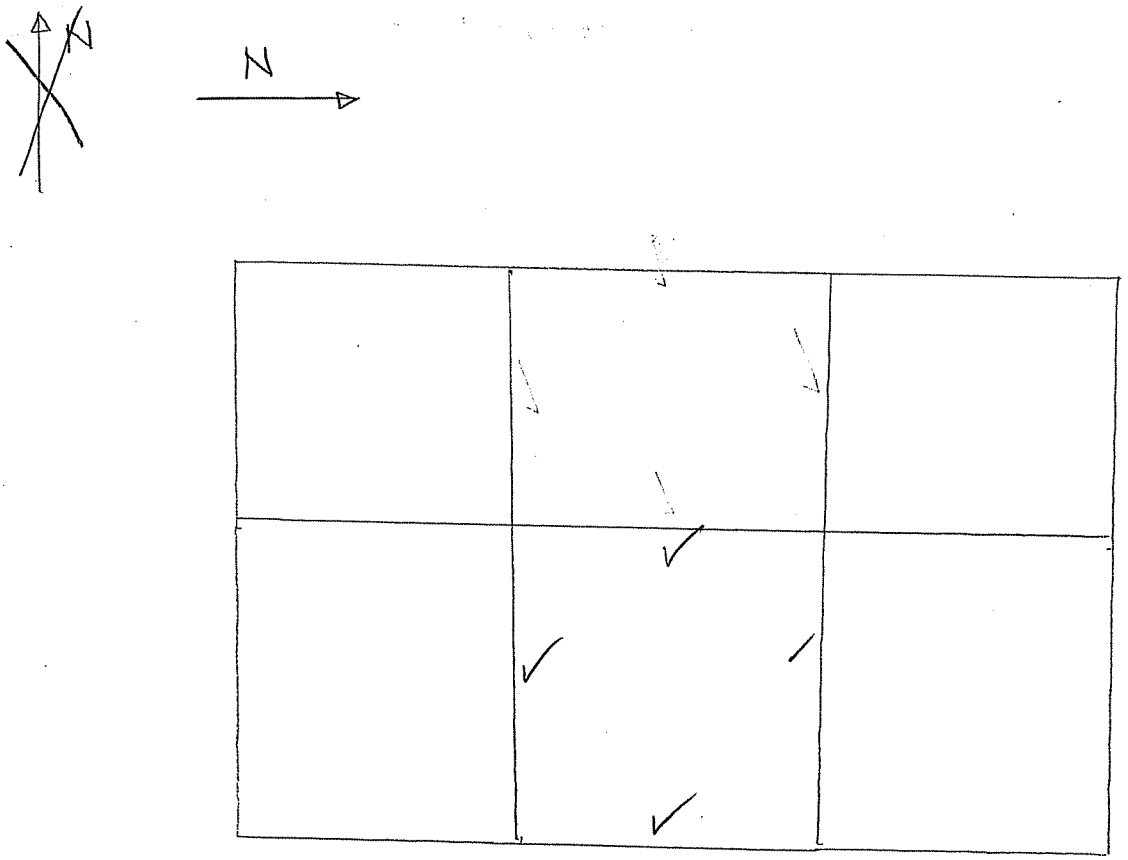
CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
BCC, MJS	3/4/08	2 of 21
		of

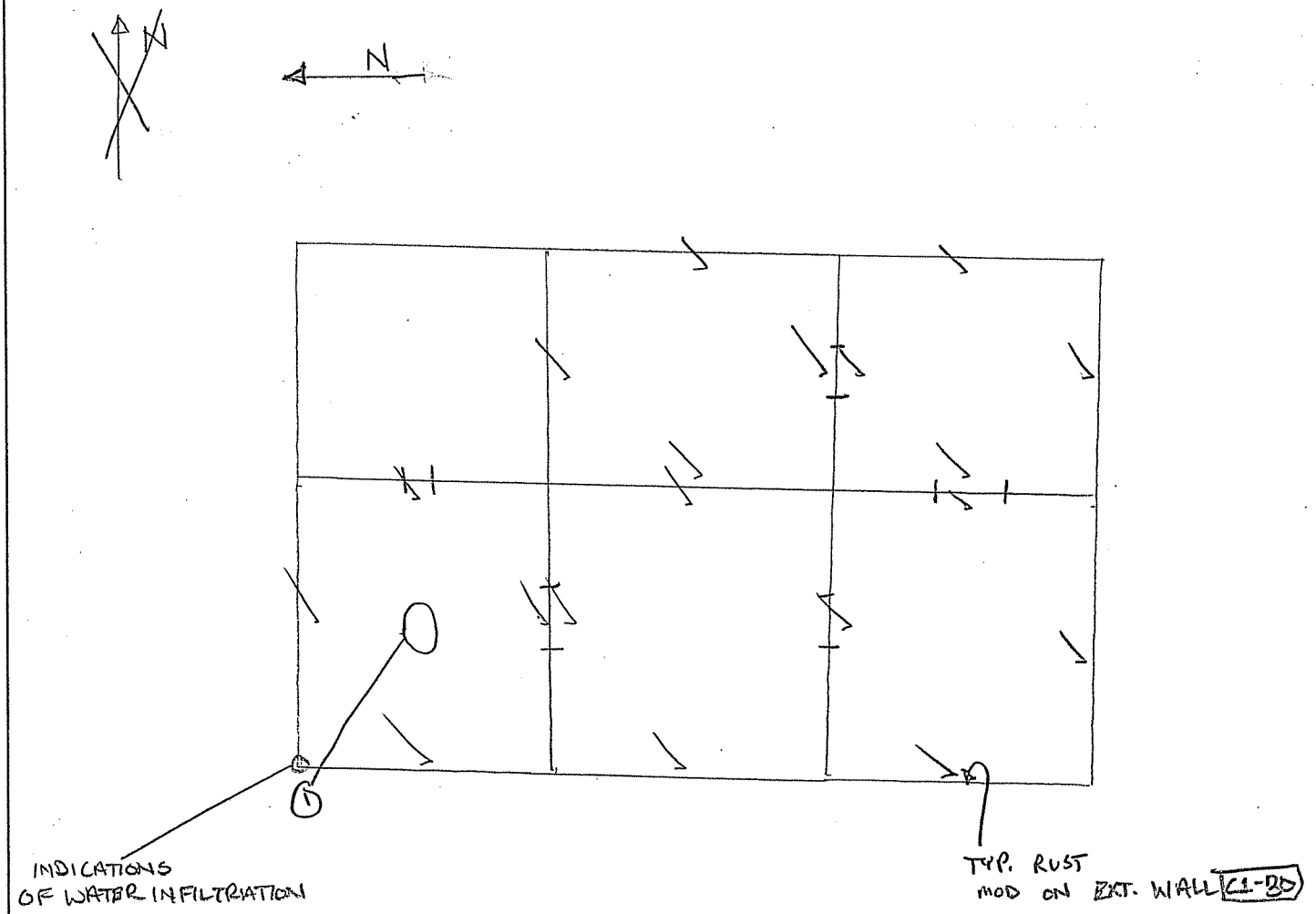


PIER 2

E COLUMN

TIER 12

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
BFC, MJS	3/4/08	3 of 21
		of



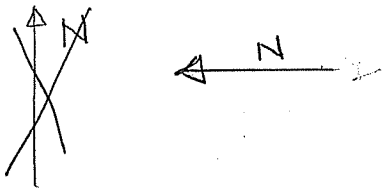
PIER 2

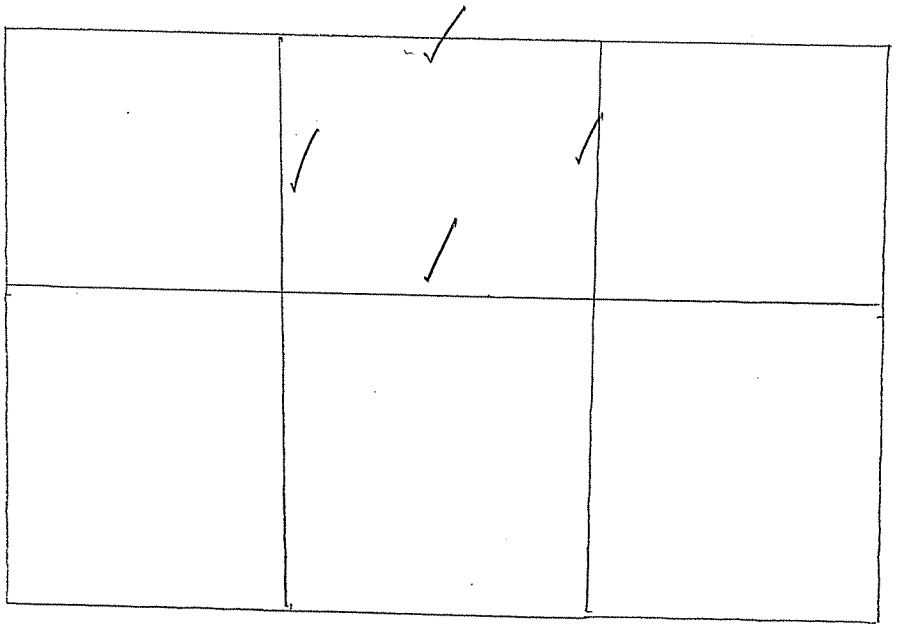
E. COLUMN

TIER 13

① DANGEROUS, PARTIALLY (80-90%) DRILLED OUT HOLE 3' ø C1-B1

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
	JOB: P710070019	
CREW:	DATE:	SHEET:
BKC, MJJ	3/4/08	4 of 21
		of



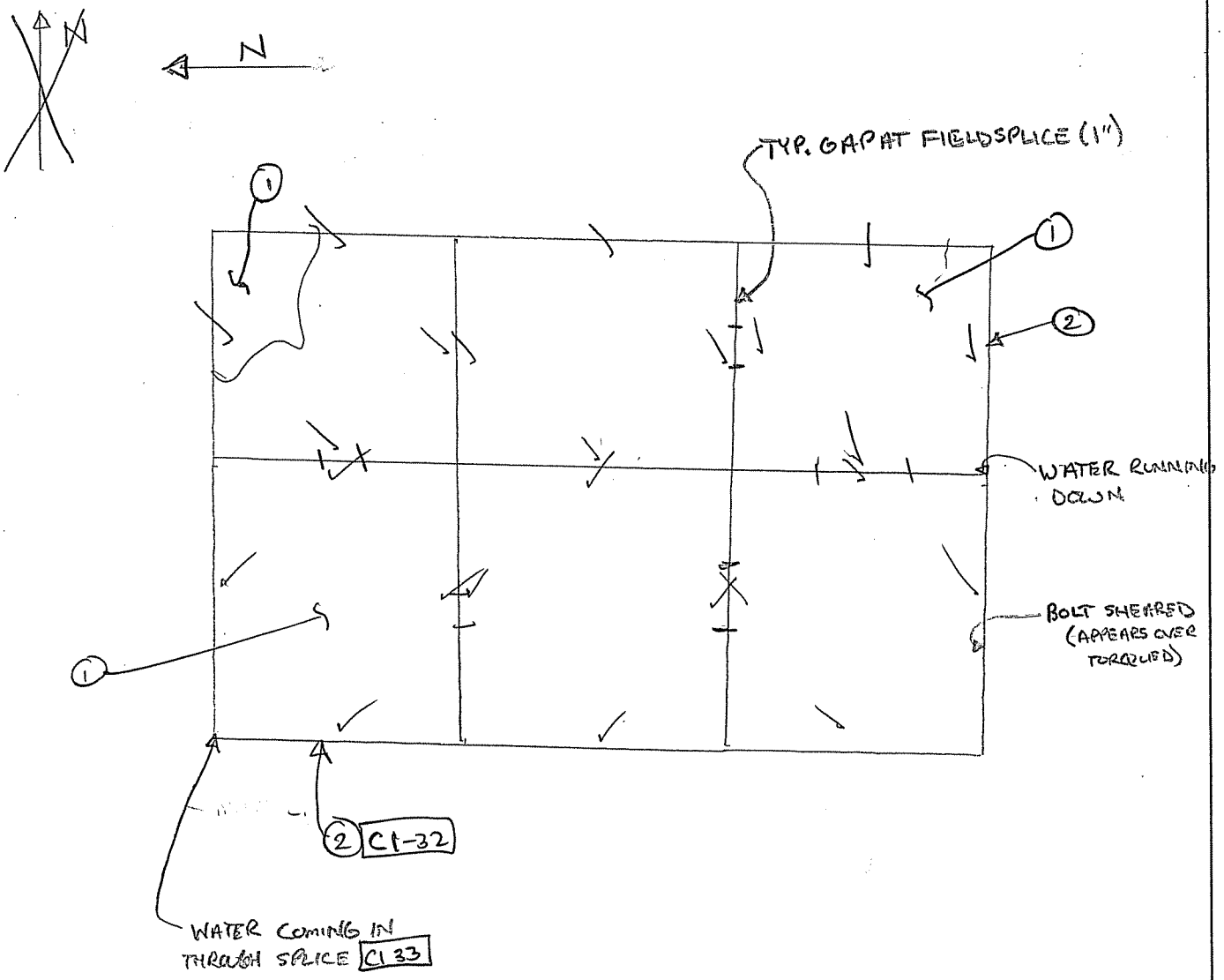


PIER 2

E COLUMN

TIER 14

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MSS	3/4/08	5 of 21
		of

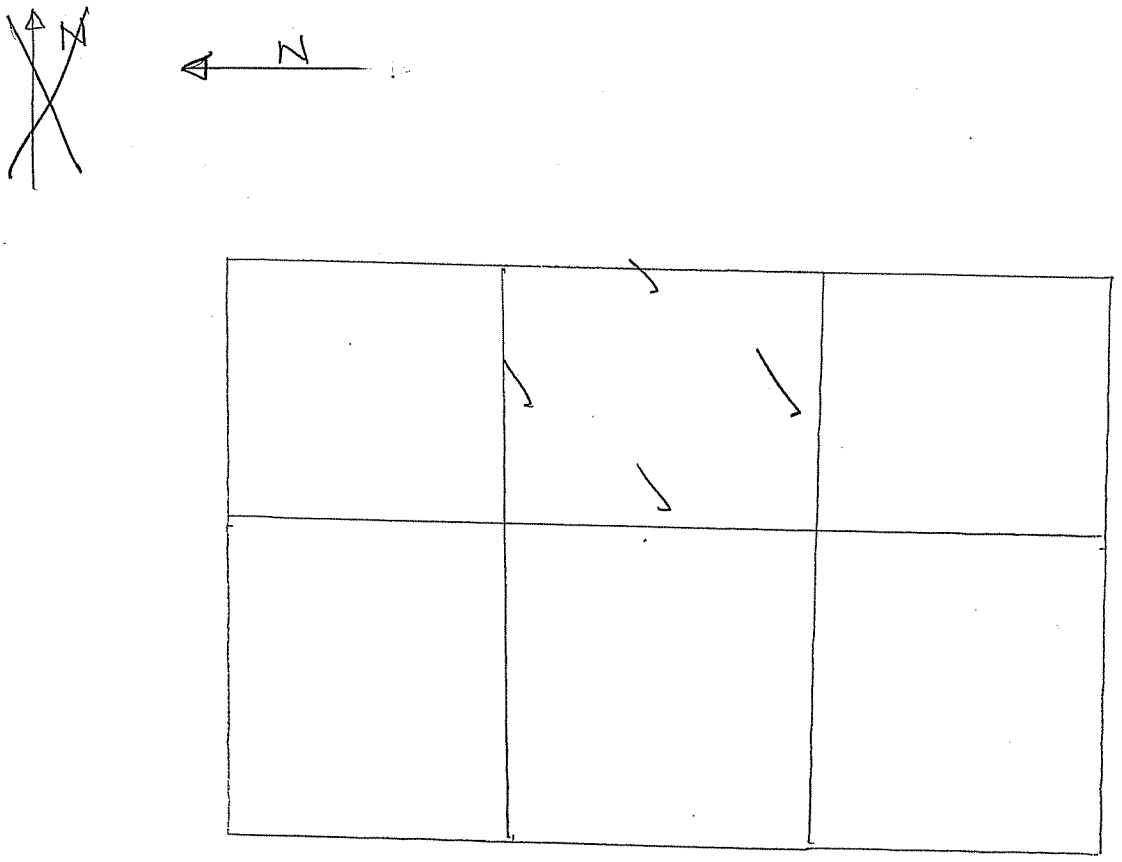


PIER 2

E COLUMN

TIER 15

(1) MOISTURE/WET ALONG IF DIAPH. (WORSE BY WALLS)	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
(2) MOD. RUST. ALONG EXT. WALLS OF BAY. NEG. SEC. LOSS	NOTES BY:	TranSystems
	JOB: P710070019	
	CREW: BKC, MJJ	DATE: 3/4/08
		SHEET: 6 of 21
		of

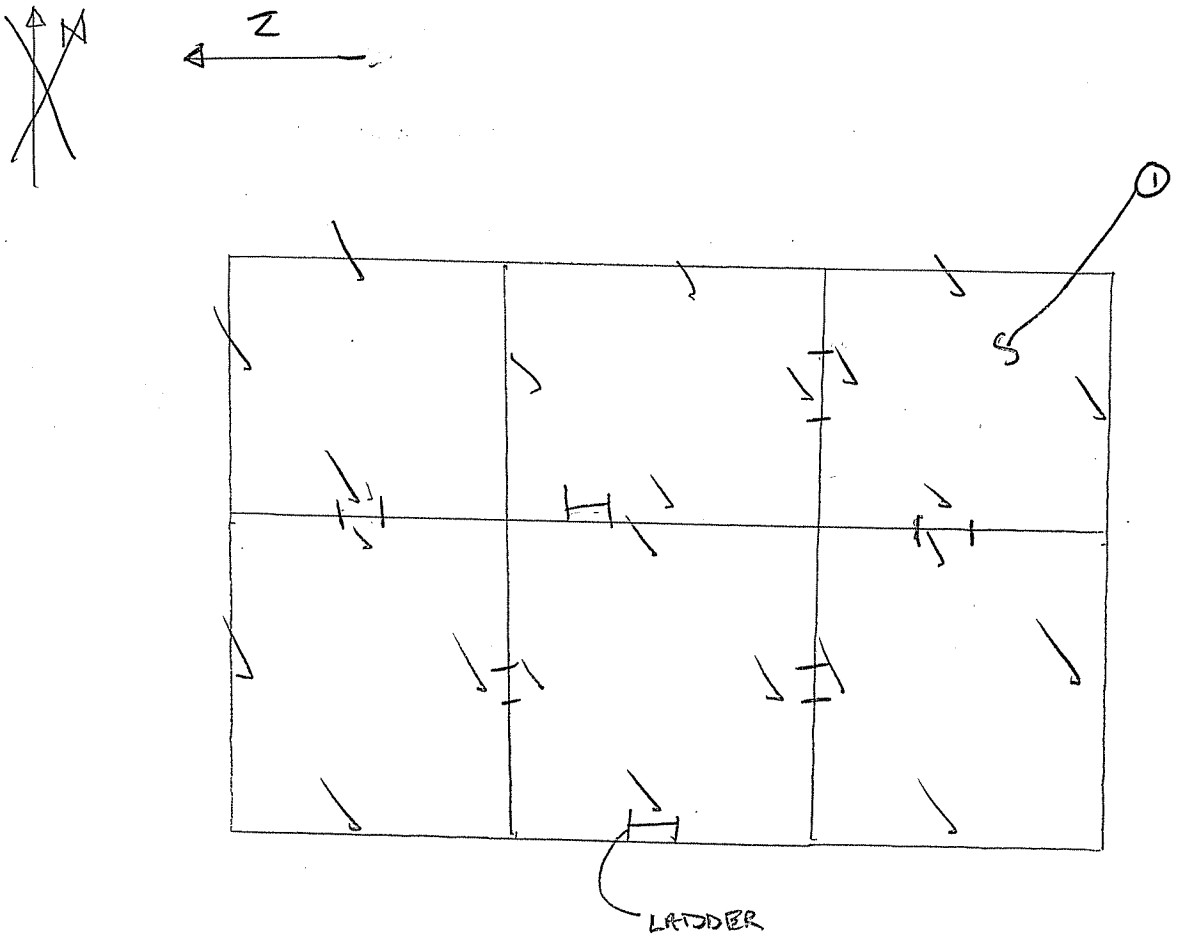


PIER 2

E COLUMN

TIER 16

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MJS	3/4/08	7 of 21
		of

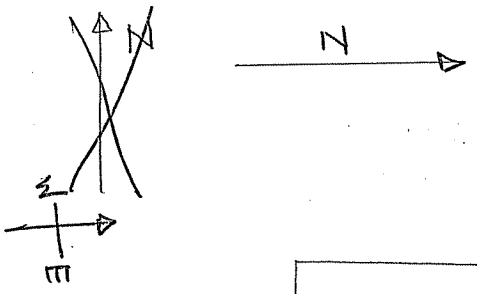


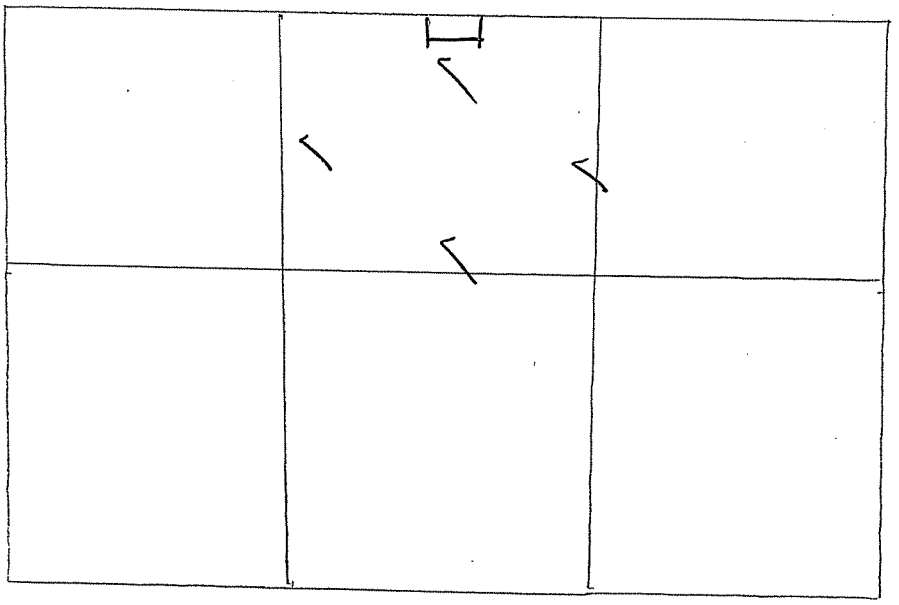
PIER 2

E COLUMN

TIER 17

(1) MOISTURE ALONG #6 OR DIA.	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
	NOTES BY:	TranSystems
	JOB: P710070019	
	CREW: BKC, MJJ	DATE: 3/4/08
		SHEET: 8 of 21
		of



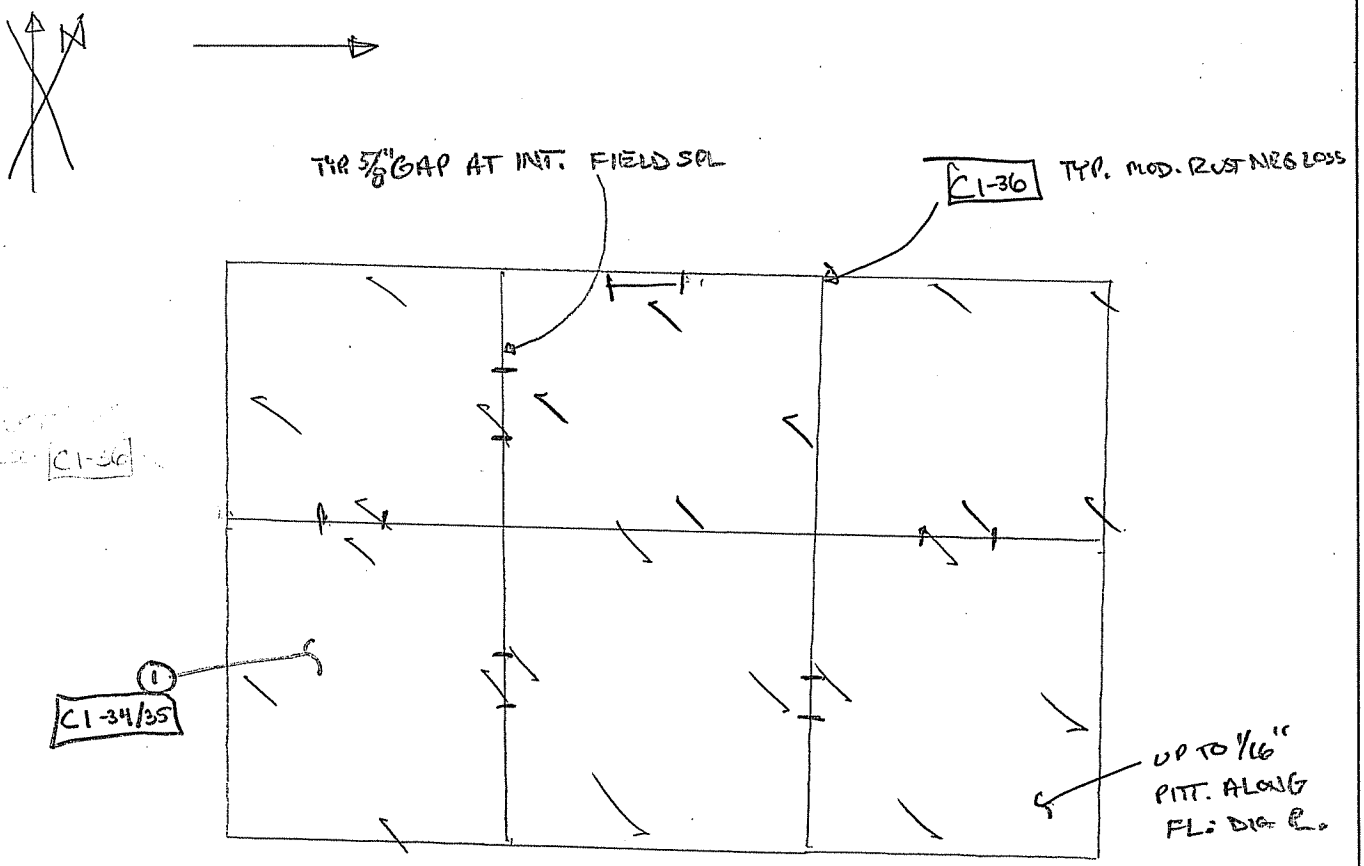


PIER 2

E COLUMN

TIER 18

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MSS	3/4/08	9 of 21
		of

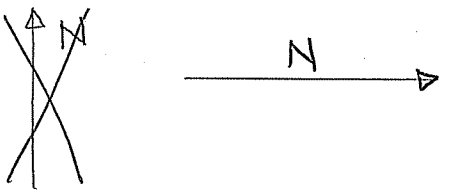


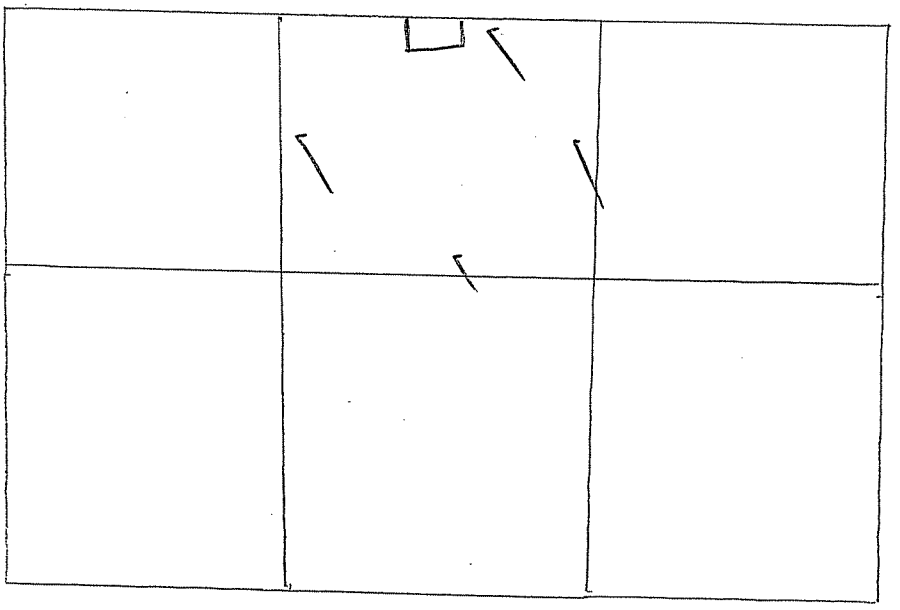
PIER 2

E COLUMN

TIER 19

① DARK P/ MOIST. ALONG BOT. DIA. ℄ W/ UP TO 1/8" PITTING	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
	NOTES BY:	Tran Systems
	JOB: P710070019	
	CREW: BKC, MSS	DATE: 3/4/08
		SHEET: 10 of 21
		of



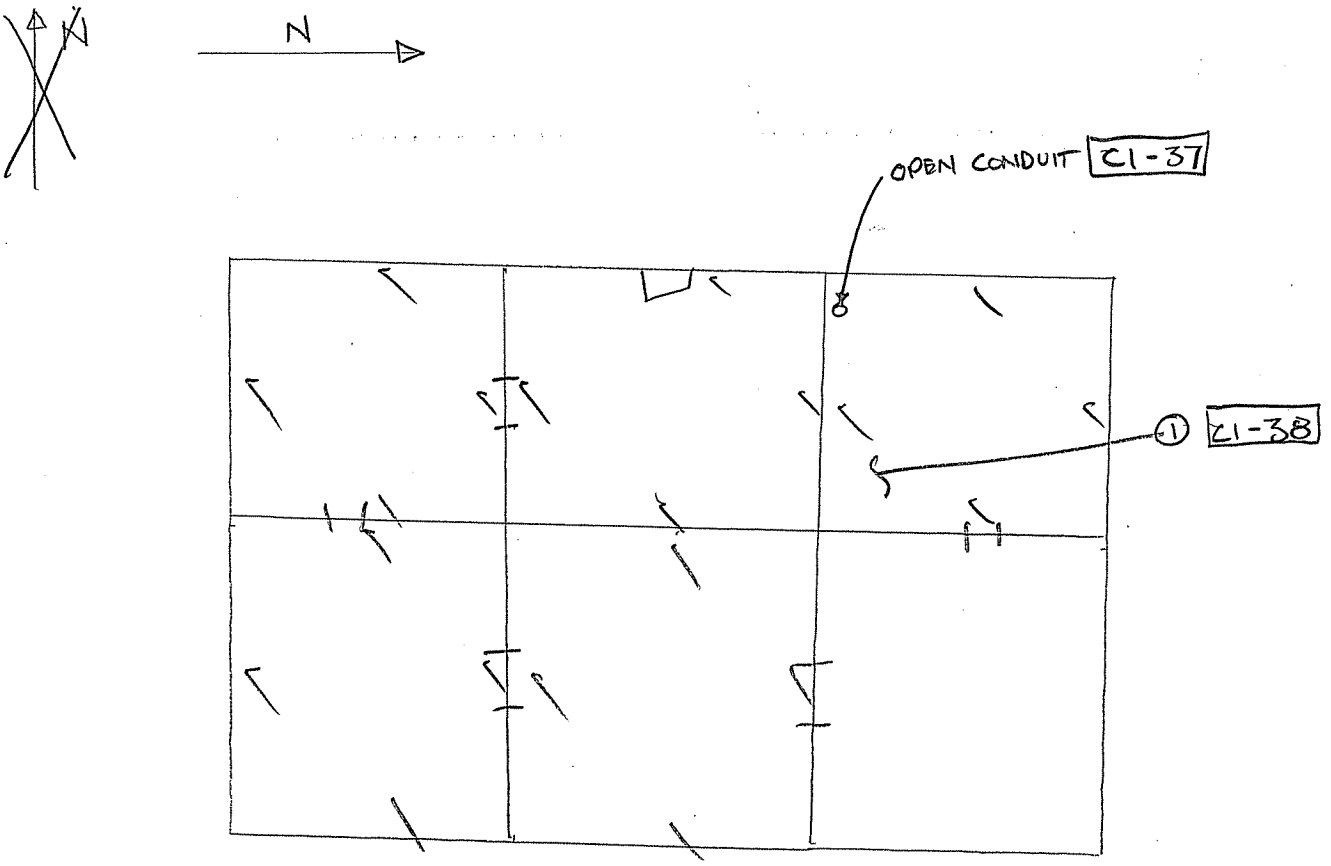


PIER 2

E COLUMN

TIER 20

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MSJ	3/4/08	11 of 21
		of

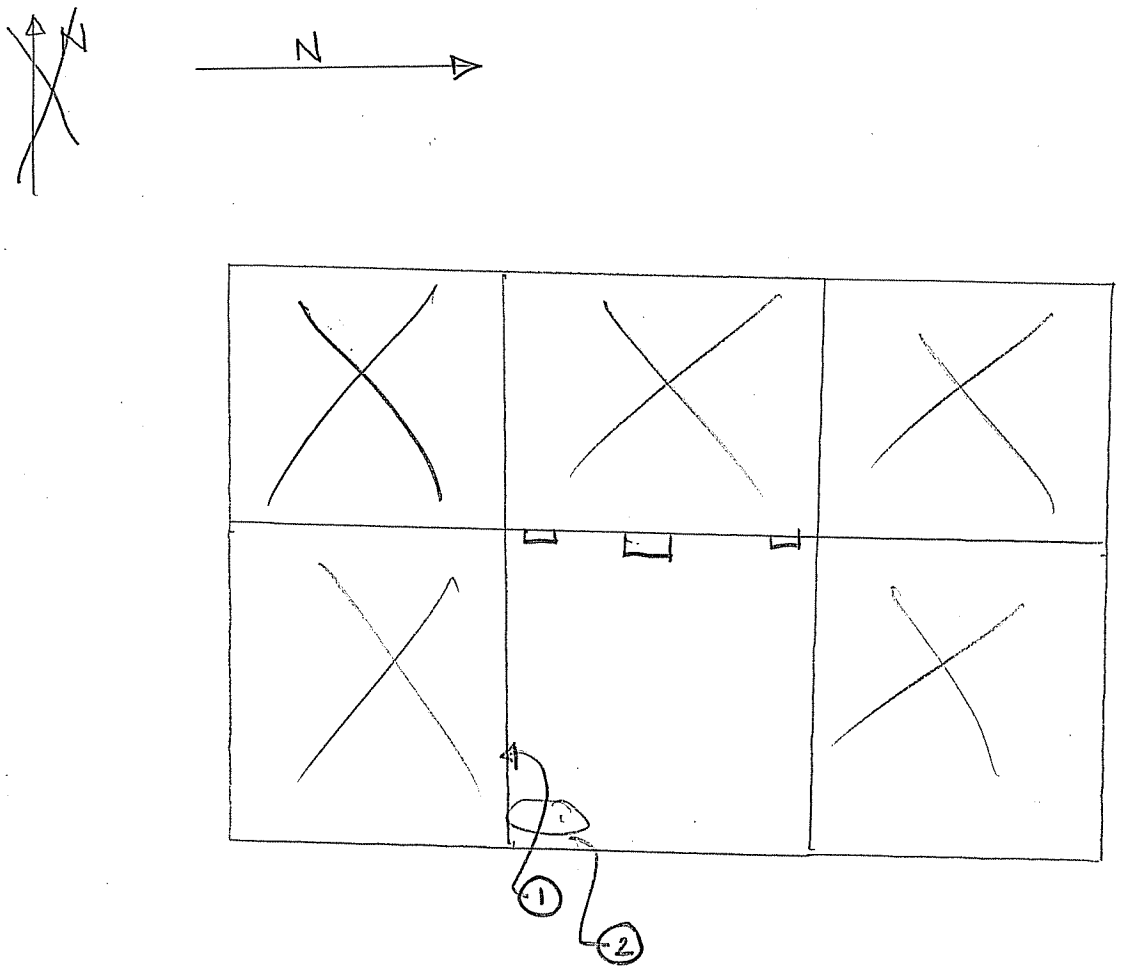


PIER 2

E COLUMN

TIER 21

(1) TYP. TOP. DIA EXHIB. SIGNS OF CONDENSATION (RUST STAINS)	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
	NOTES BY:	TranSystems
	JOB: P710070019	
	CREW: BKC, MSJ	DATE: 3/4/08
		SHEET: 12 of 21
		of



PIER 2

E COLUMN

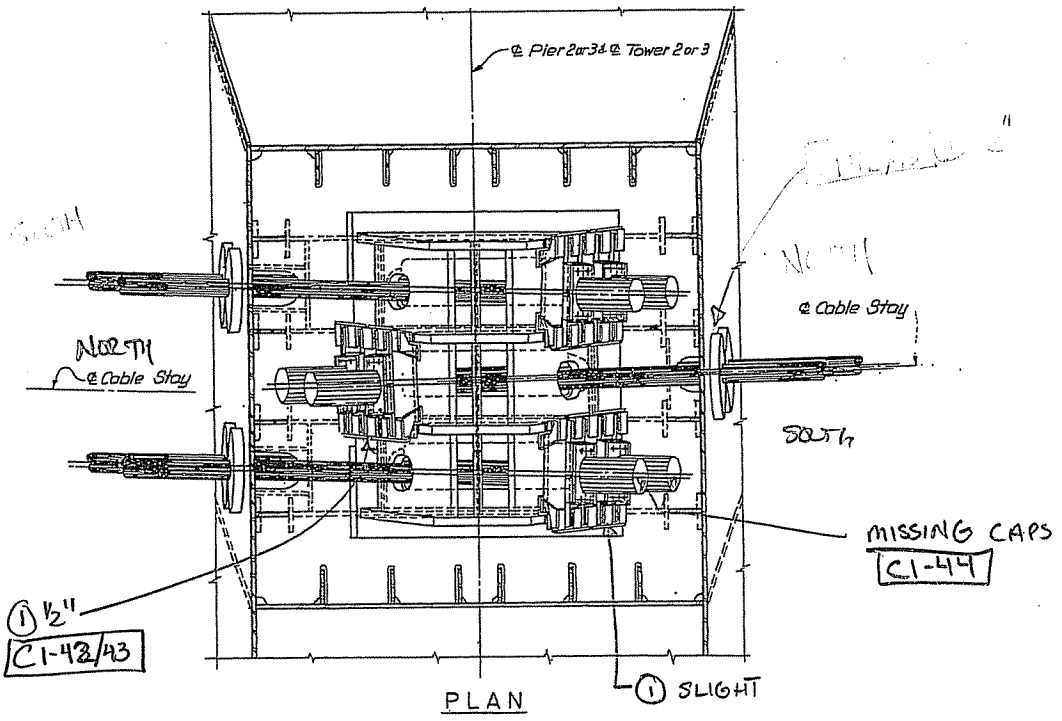
TIER 22

SOUTH WALL ELEV C1-41

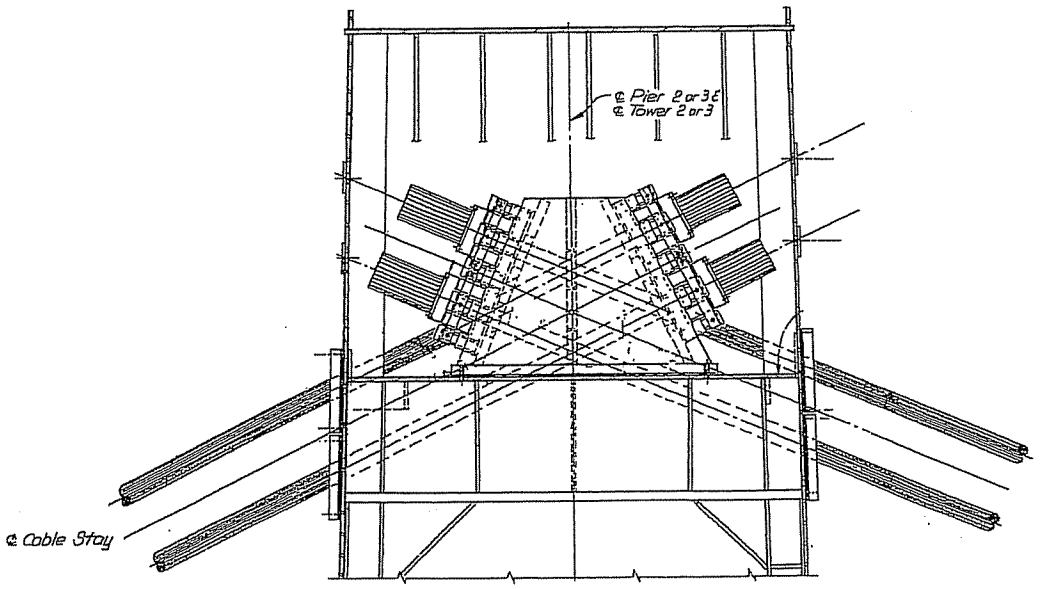
① TYP. COND. OF CABLE/WALL CON. C1-39

② TYP COND. KNEE BRACE CON C1-40

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MSS	3/4/08	13 of 21
		of



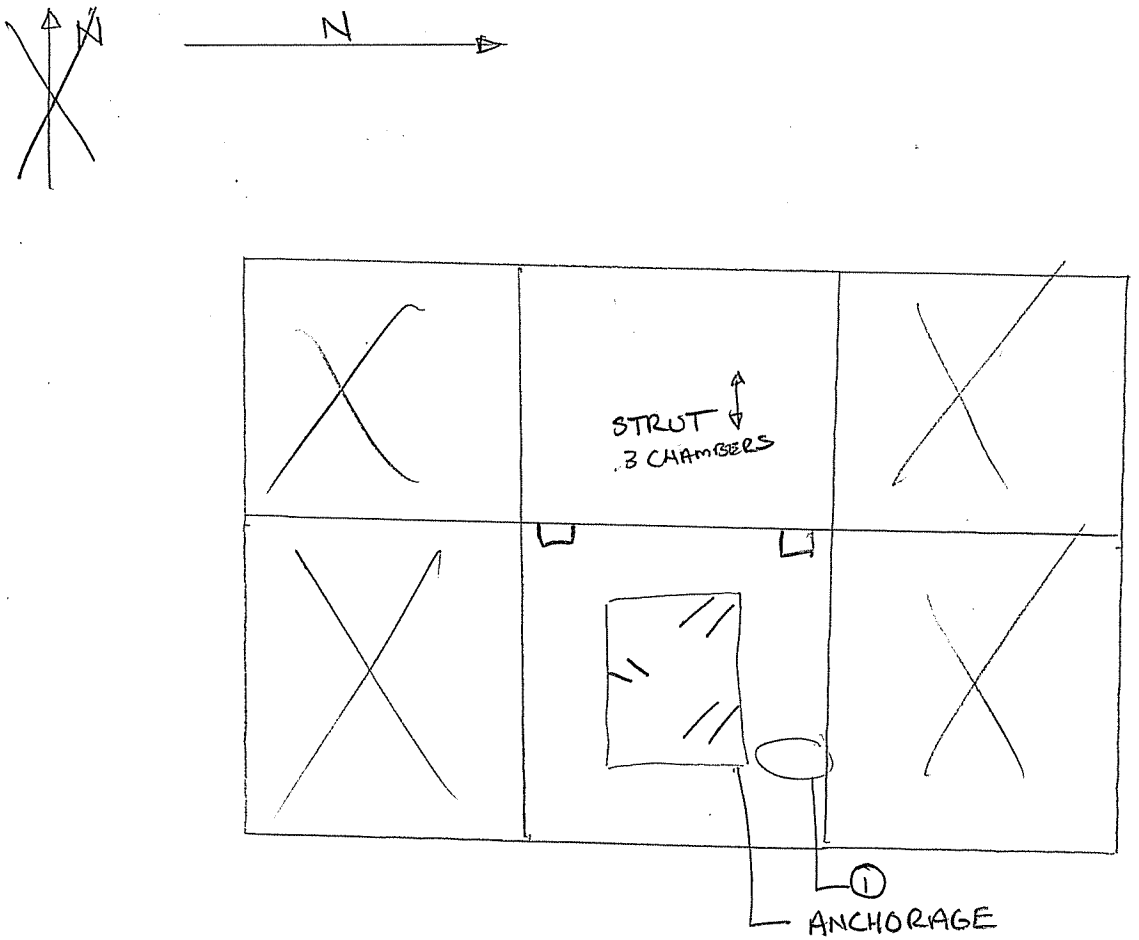
PLAN



P2, S.COL, T23

① BENT KEEPER PL

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOWER 2		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MSS	3/4/08	14 of 21
		of

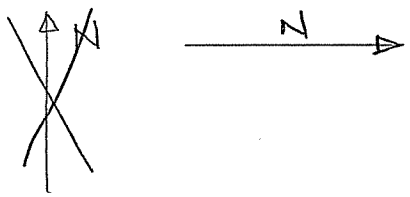


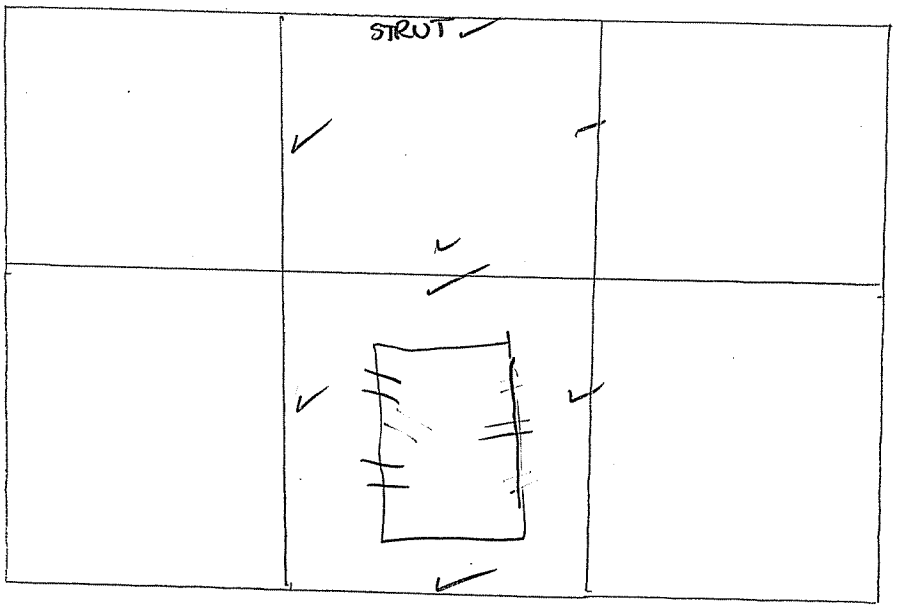
PIER 2

E COLUMN

TIER 23

(1) TYP. KNEE BRACE CON. C1-45	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
	NOTES BY: TranSystems	
	JOB: P710070019	
	CREW: BKC, MJS	DATE: 3/4/08
		SHEET: 15 of 21
		of



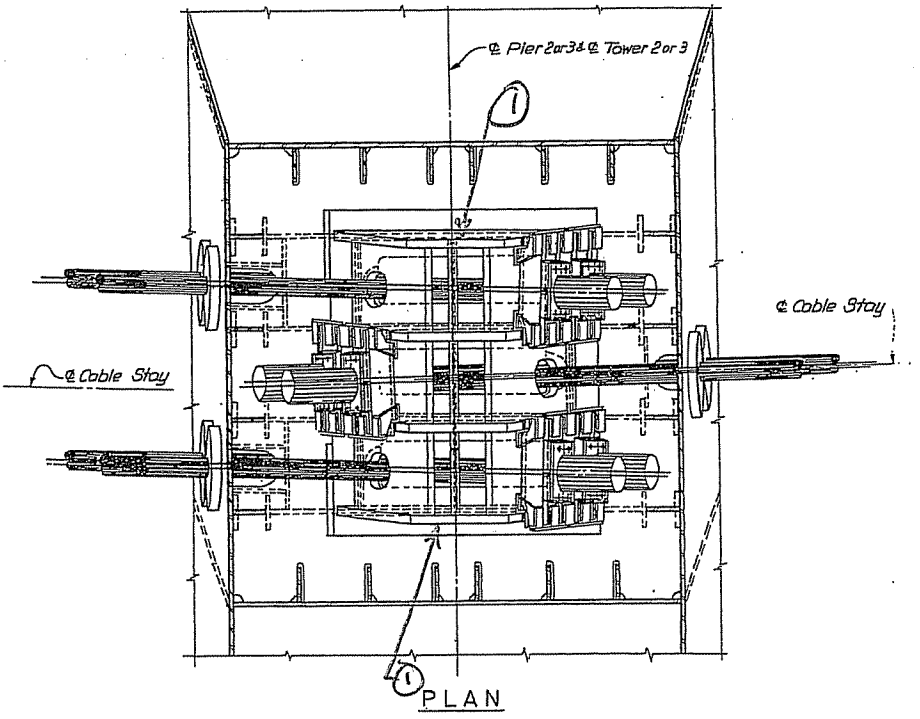


PIER 2

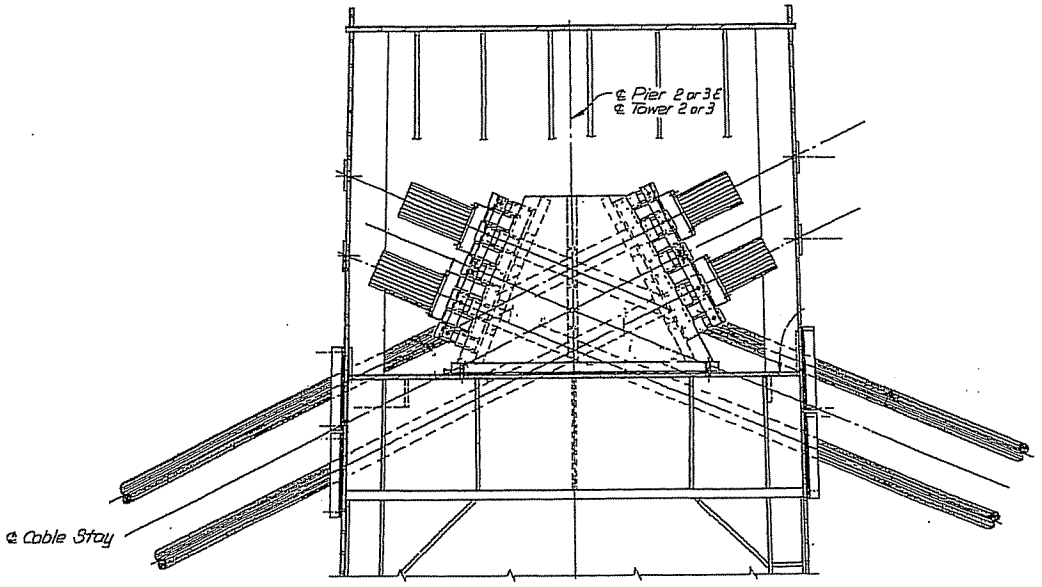
E COLUMN

TIER 24

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MJS	3/4/08	16 of 21
		of



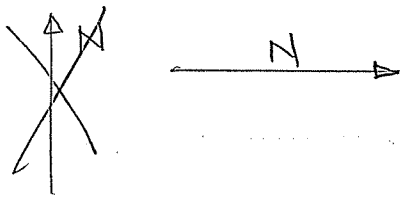
PLAN

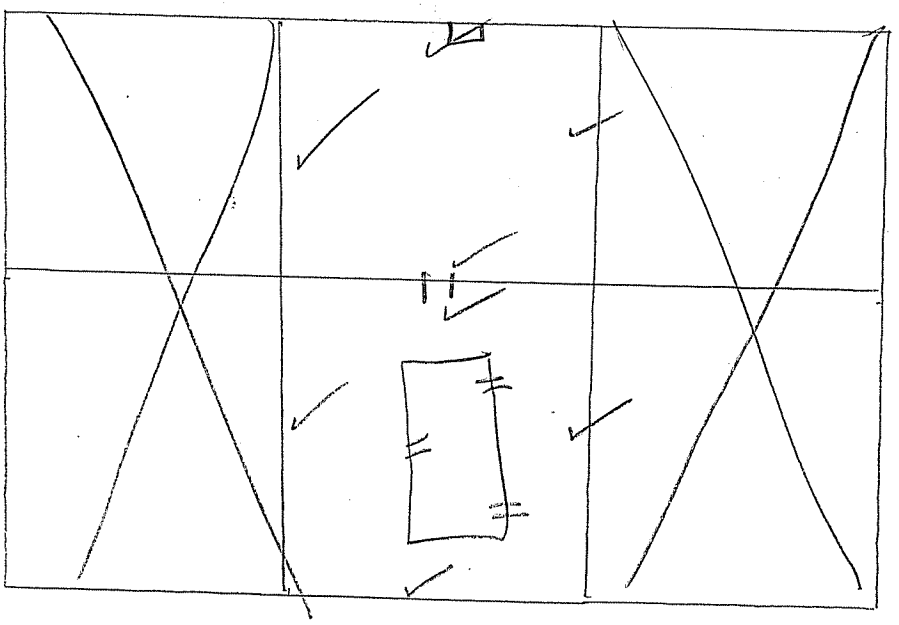


TIER 24, P2, E. COL

1 1/4" BOLD GEL (OUTWARD) C1-46	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
	NOTES BY:	TranSystems
	TOWER 2	
	JOB: P710070019	
	CREW:	DATE:	SHEET:
	BKC, MJJ	3/4/08	17 of 21
			of

175
333



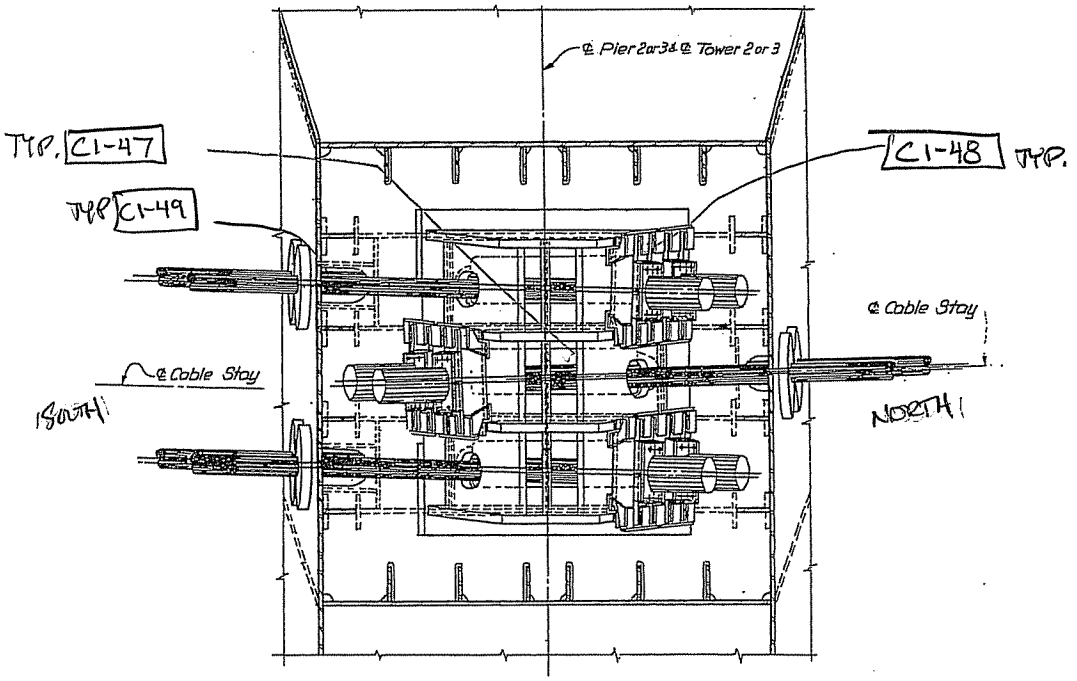


PIER 2

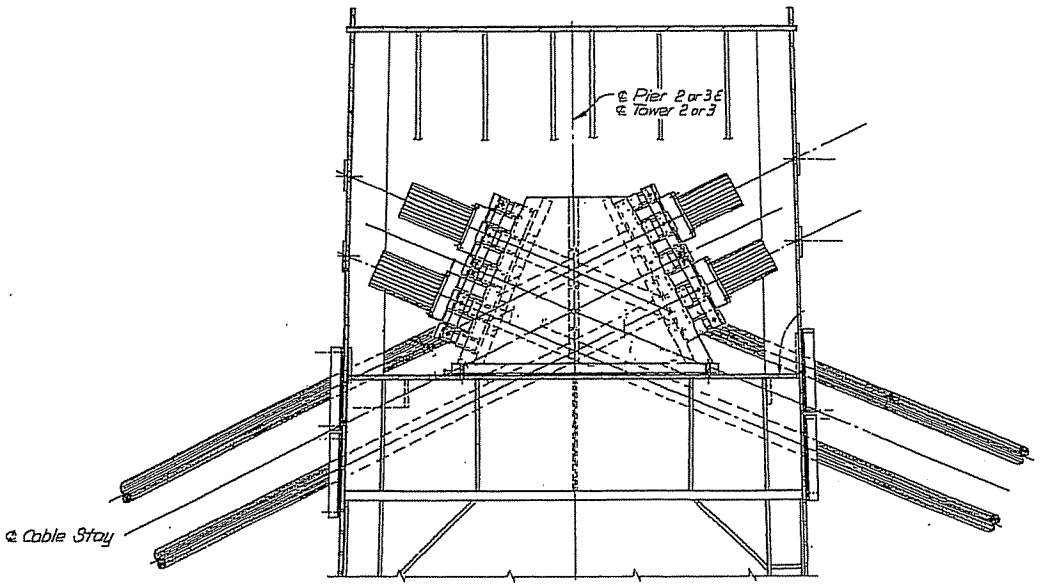
E COLUMN

TIER 25

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
BKC, MJJ	3/4/08	18 of 21
		of

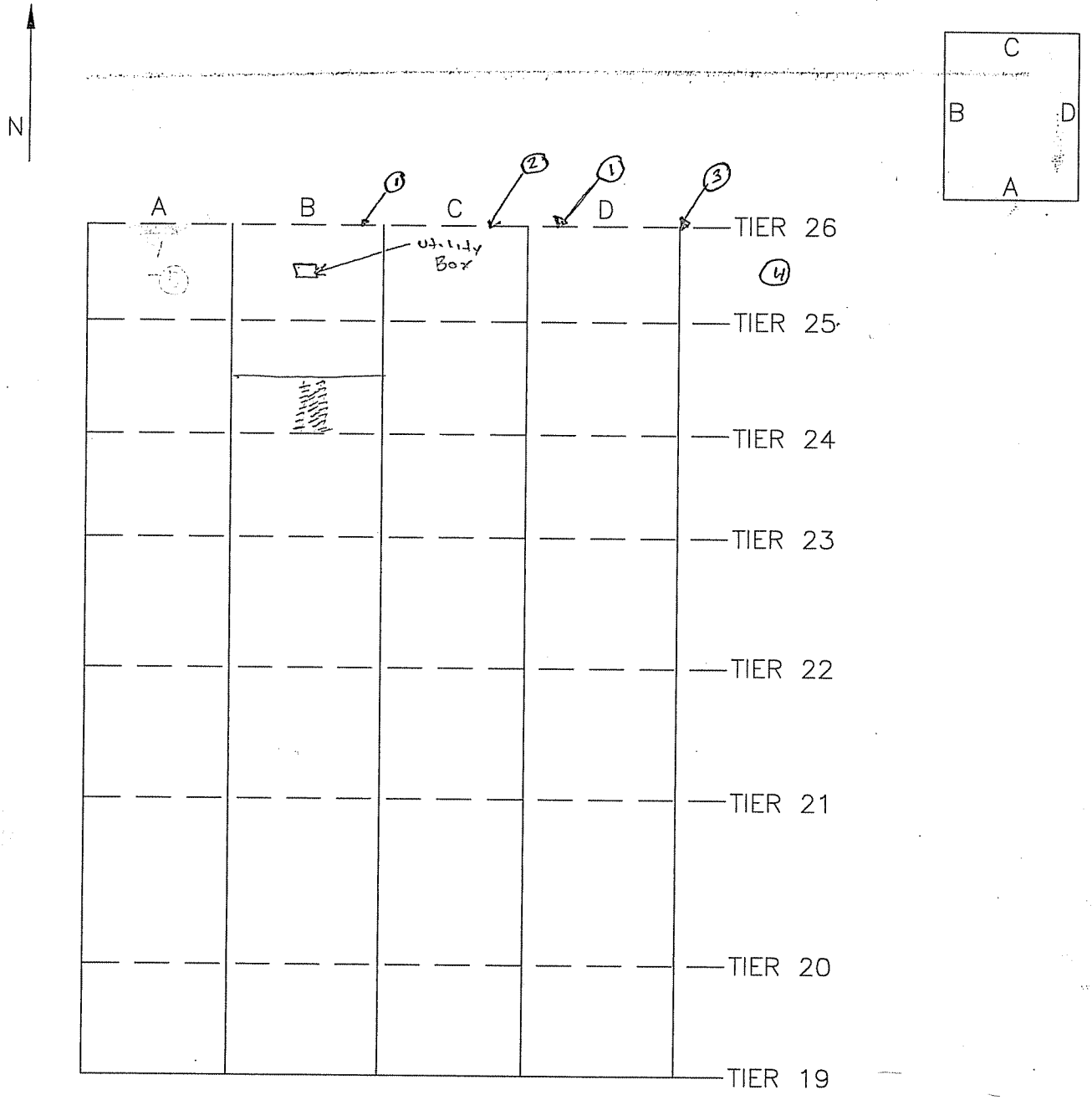


PLAN



TIER 25, PIER 2, E. COL

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOWER 2		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MJS	3/4/08	19 of 21
		of



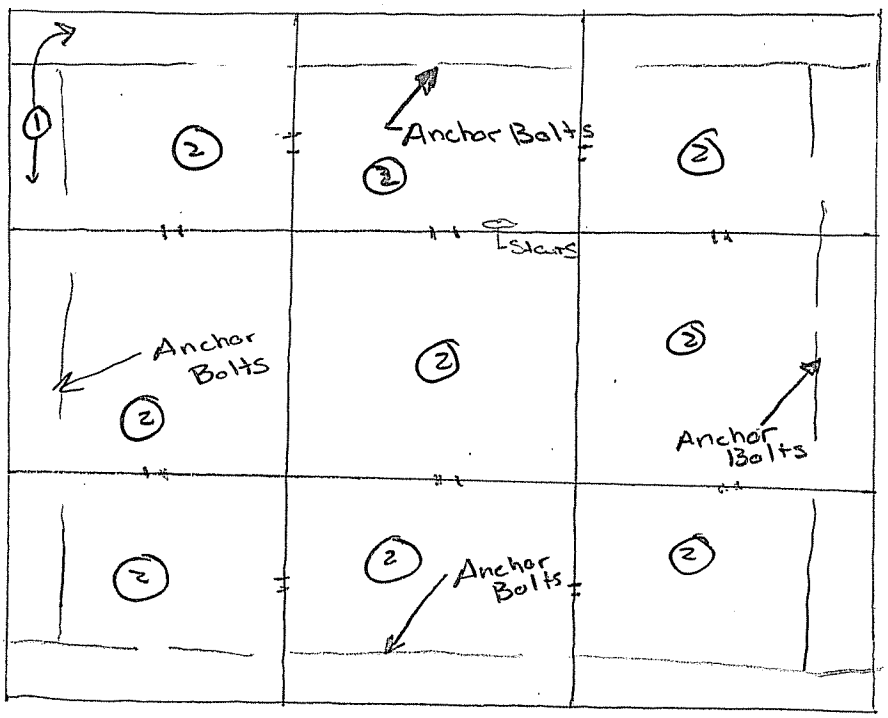
TOWER 2, WEST COLUMN INTERIOR – TIERS 19–26

C2-9

1. Hatch Frame w/ 100d" Losses around Perimeter
2. Tier 26 Kick Plate w/ 1/16" Loss x 16" C2-10
3. 100% Loss in Safety Railing ≈ 1½" ø C2-11
4. Lights Not Illuminated (Typ)
5.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
TOWER NOTES	
JOB: P710070019	

CREW:	DATE:	SHEET:
CRS, BS	3/3/08	1 of 1
		of



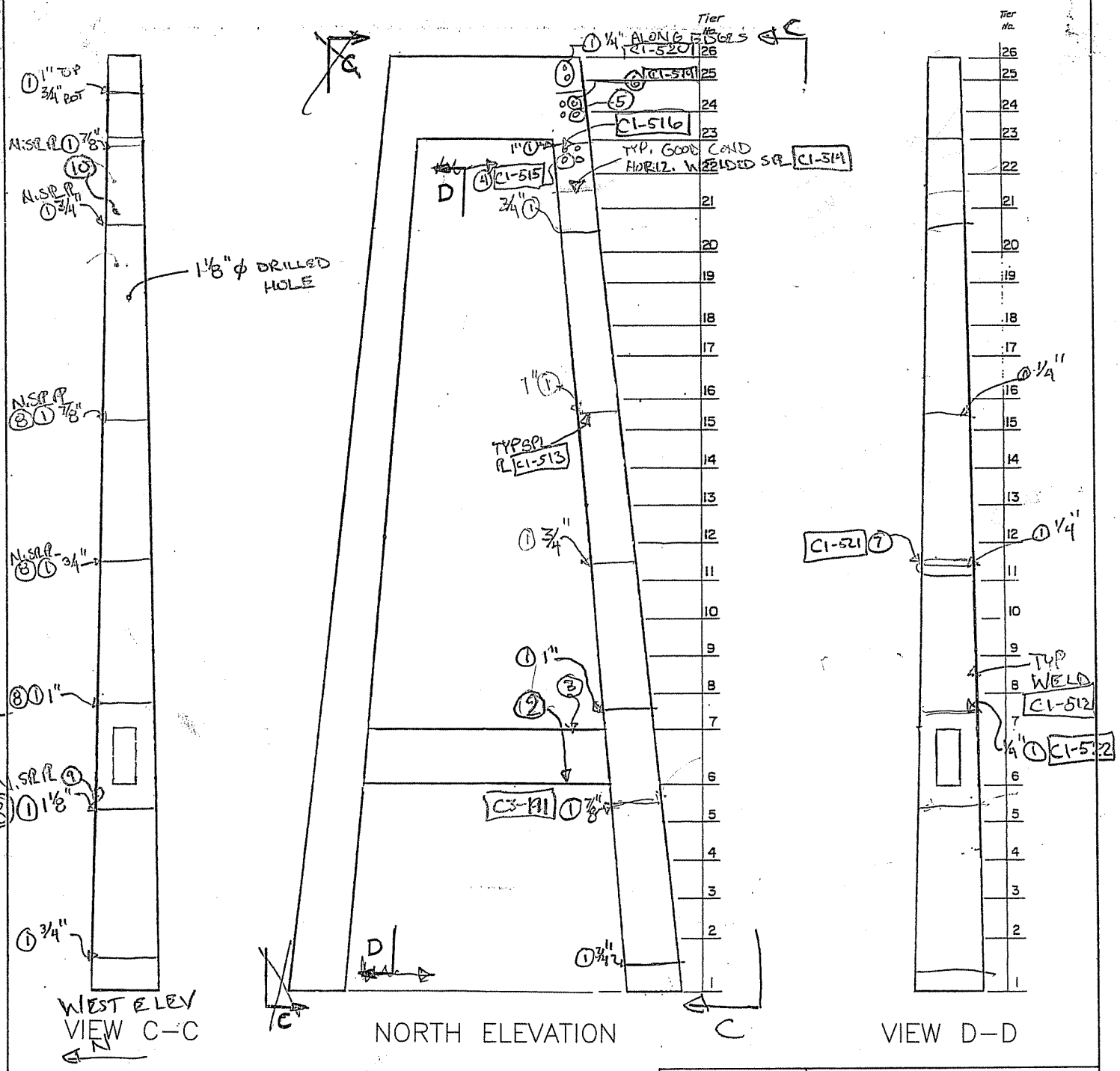
Tier 1 Photos C2 42-45

PIER 2

W COLUMN

TIER 1

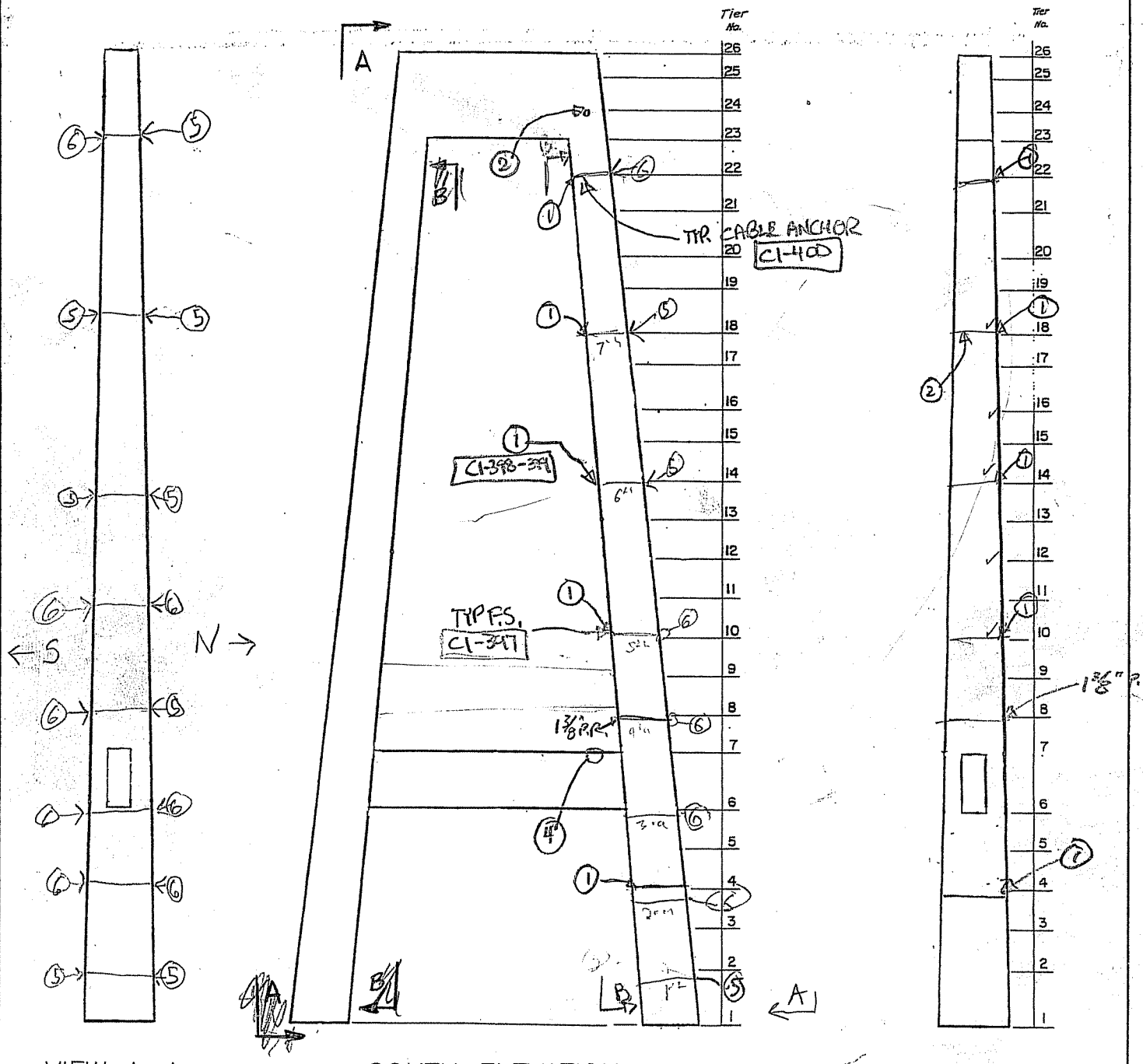
① Middle of Tier – Ground - Anchor Bolts Painted all Around	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
② Typical Rust / Flaking on all walls	NOTES BY:	TranSystems
	JOB: P710070019	
	CREW: CRS/BS	DATE: 3/4
		SHEET: 1 of 26
		of



1. PACK RUST
2. 1/4" DIPP AT SPLICE @ BOT PL (C1-192/193)
3. WATER POOLING DRIPPING AT RS SPLICE ON STRUT
4. BP TO 1/8" P.R. BTWN CABLE/HOUSING
5. CABLE ASSEMBLY HAS 1/4"ϕ HOLE IN BOT C1-511/518
6. MISSING BOLT
7. TYP. P.R. 1/4" ALONG TOP EDGE OF SPL BTWN LONG BOLT SPACERS C1-521
8. 1/16" LOSS ALONG SP @ PL C1-523
9. MULTI PASS WELD BTWN N.R & W.R (TYP.) C1-524
10. 6"ϕ 3/8" DENT, WITH MINOR 1/16" D. GOUGING C1-525

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
TOWER 2	
JOB: P710070019	

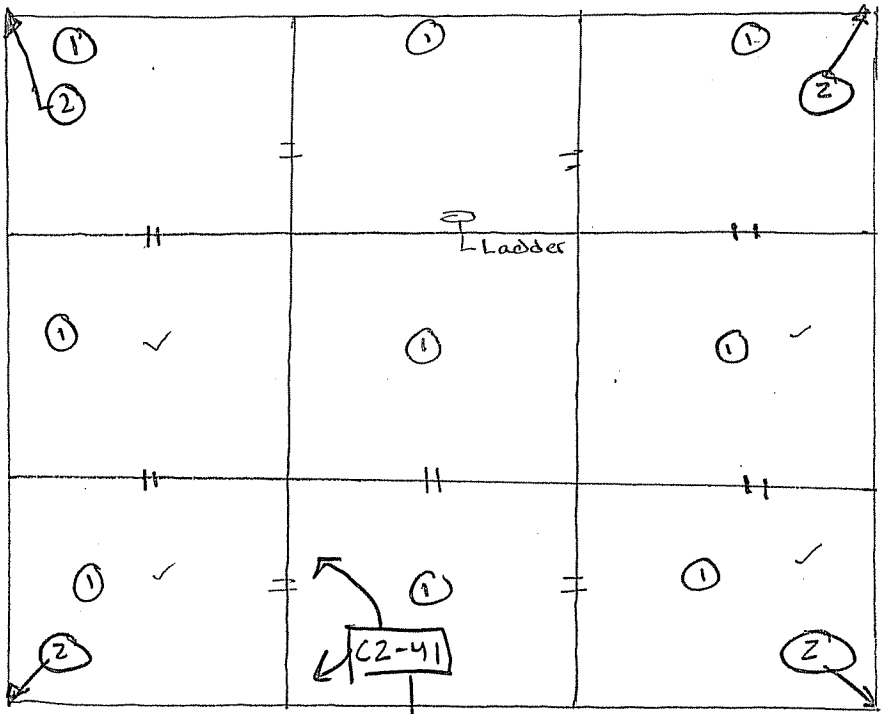
CREW:	DATE:	SHEET:
BKC JHR	3/31/08	1 of 1
BKC JHR	4/1/08	1 of 4



VIEW A–A SOUTH ELEVATION VIEW B–B

① ~~ATTSTEDGE OF F.S. ON CAP.~~ 1" PACK RUST C1-395/96	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
② LOOSE BOLT, 9 FROM N. EDGE	NOTES BY:	TranSystems	
③ 1/2" P.R. BRUN ANCHOR & WEB. C1-401	TOWER 2		
④ LOSS OF KICKGUARD RUST ON FS.	JOB: P710070019		
⑤ 3/4" Pack Rust E. edge of splice plate	CREW:	DATE:	SHEET:
⑥ 1" Pack Rust E. edge of splice plate	BKC, JHR	3/25/08	1 of 3
⑦ Typical P.R. 2nd splice from bottom E.S. C1-421	SGB, JHR	3/26/08	of

181
333



PIER 2
W COLUMN
TIER 2

(1) Typical Rust Staining/Flaking on Walls Thru Tier 3

(2) EFFlo/Moisture Staining @ Corner From Splice (Typ)

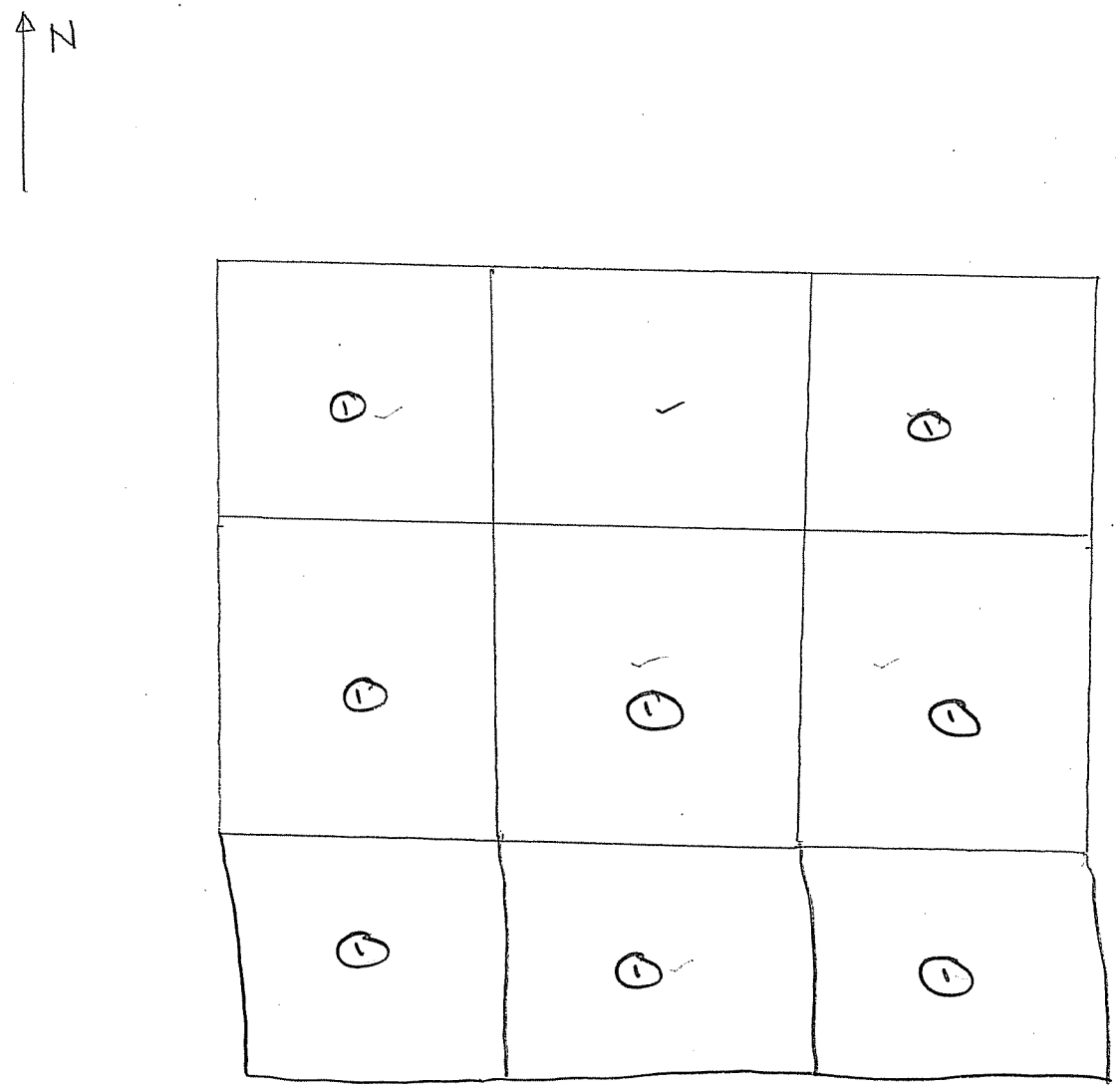
CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
CRS/BS	3/4	2 of 26
		of



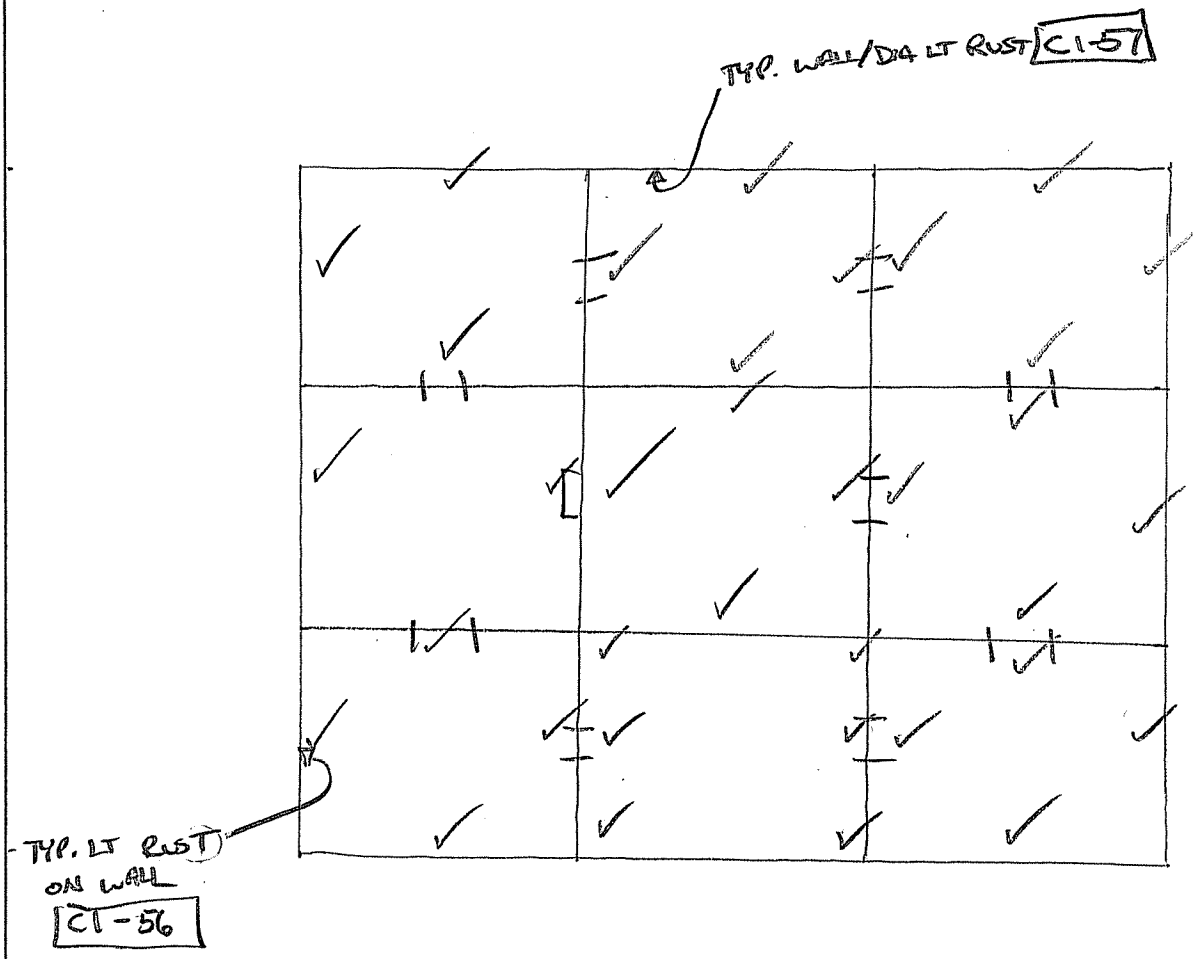
PIER 2

W COLUMN

TIER 3

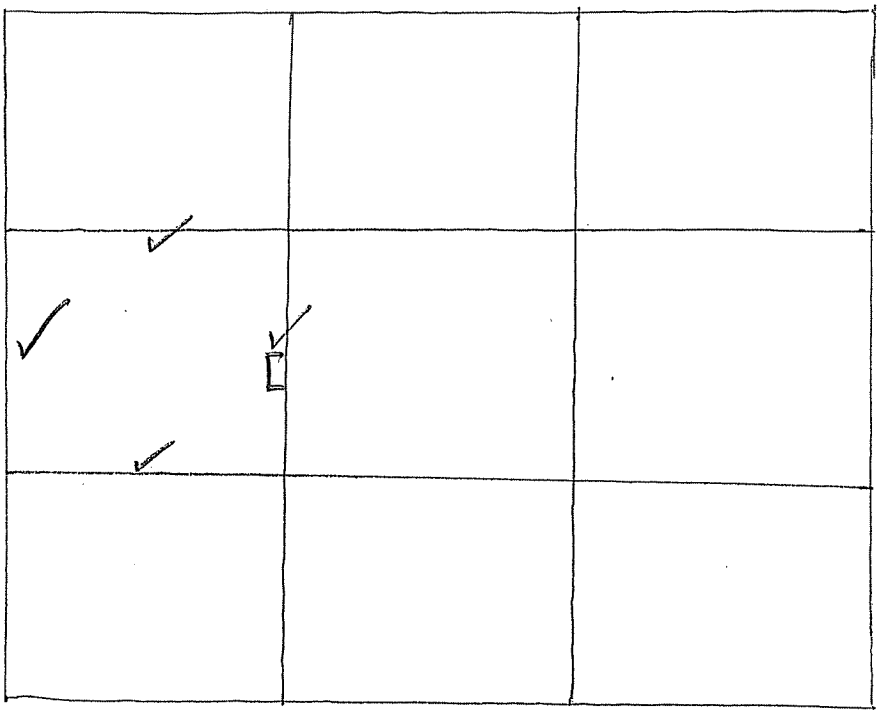
① Visible From Tier 2

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
CRS / BS	3/4	3 of 26
		of



PIER 2
W COLUMN
TIER 4

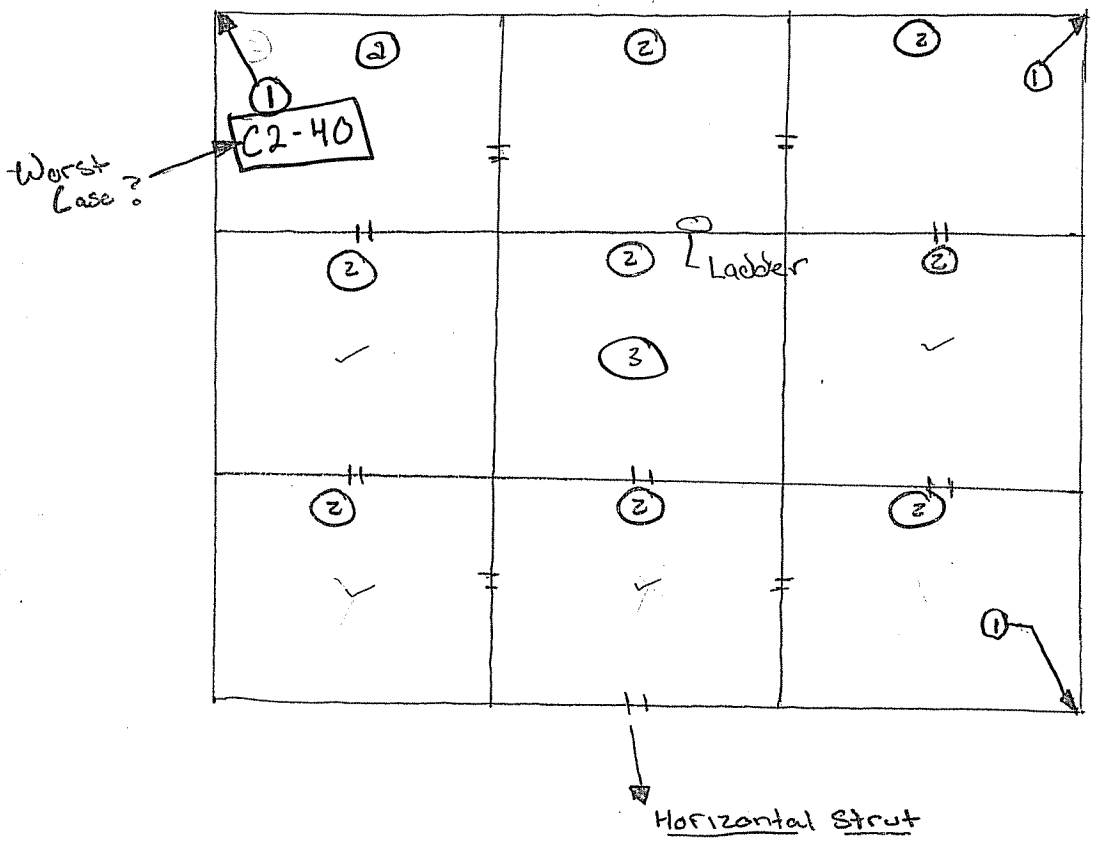
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, MJJ	3/4/08	21 of 21
		of



PIER 2
W COLUMN
TIER 5

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
BKC, MSS	3/4/08	20 of 21
		of

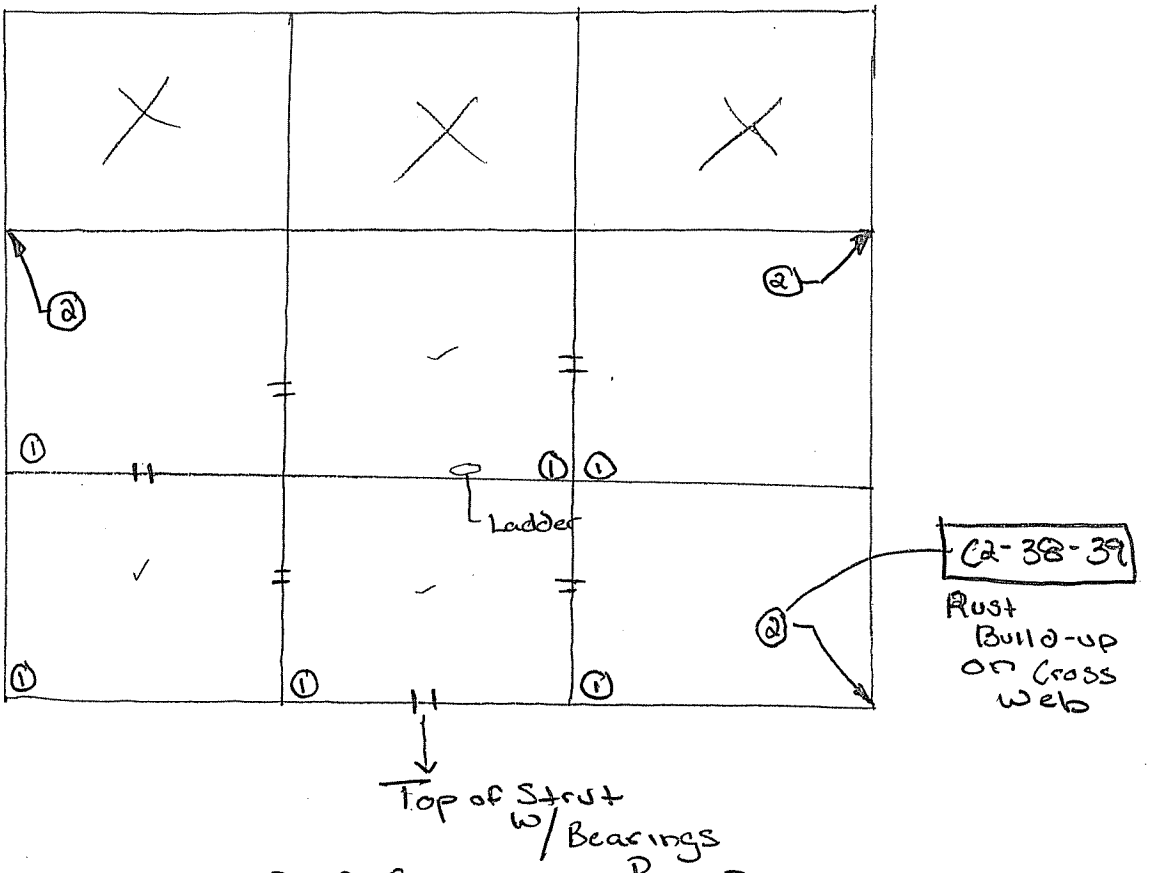
LTS 333



PIER 2
W COLUMN
TIER 6

(1) Moisture @ corner / Efflo From Leaks @ Splice gap (Typ.)
(2) Typical Staining w/ Efflo / Flaking on all walls up To Full Height of Tier 6
(3) Heavy Pigeon Droppings C2-110

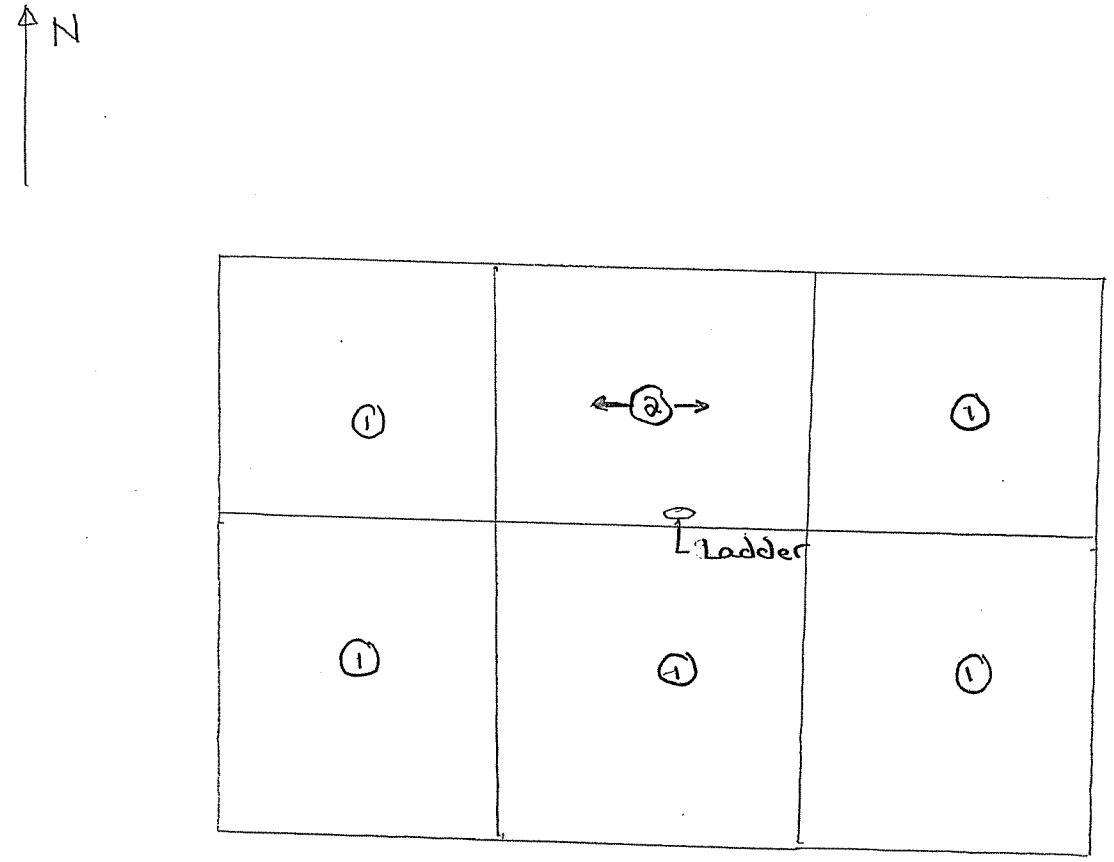
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/BS	3/4	4 of 26
		of



PIER 2 W COLUMN TIER 7

Pier 2

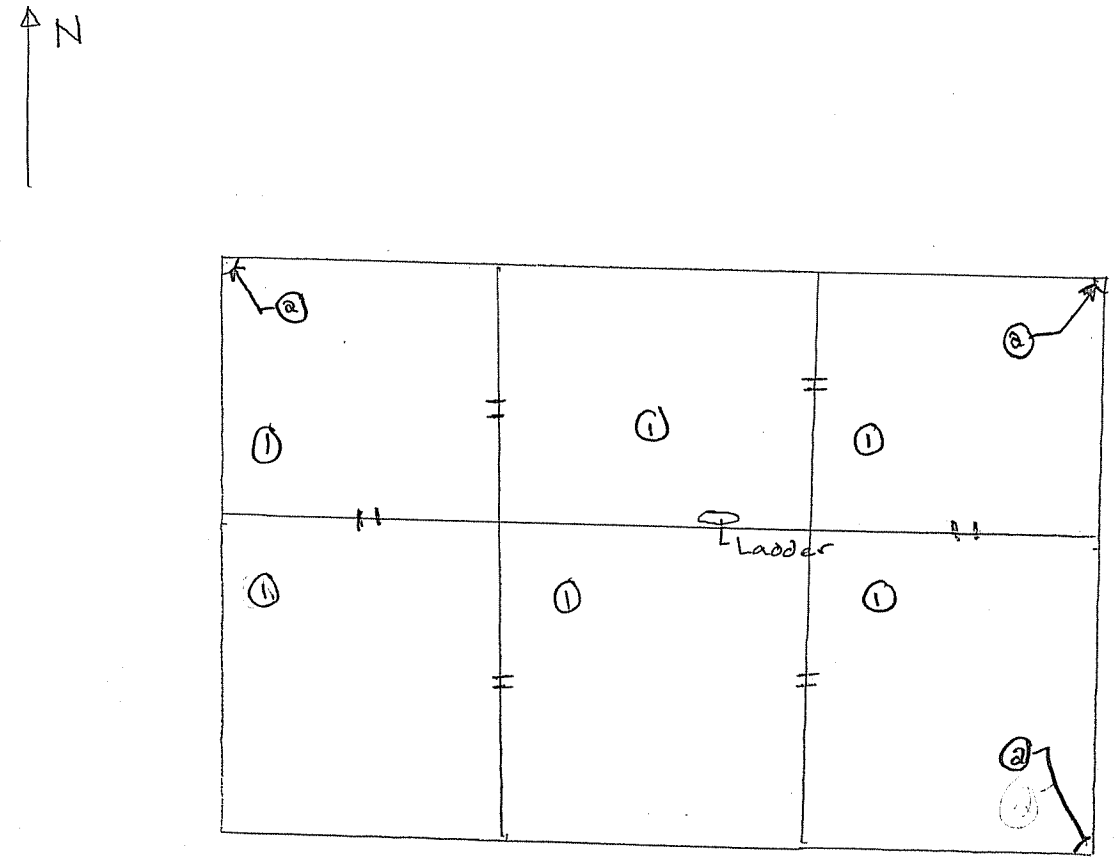
① Typical Rust Staining / Flaking on walls Thru Tier 8	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
② Gap in Splice w/ Moisture Staining / EFIFIO on Wall angle (Typ)	NOTES BY: TranSystems	
	JOB: P710070019	
	CREW: CL2S/BS	DATE: 3/4
		SHEET: 5 of 26
		of



PIER 2
W COLUMN
TIER 8

(1) Cells Visible From Tier 7
(2) Typical Rust Stainins / Flaking

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	Tran Systems	
JOB: P710070019		
CREW:	DATE:	SHEET:
CRB / 135	3/4	6 of 26
		of



PIER 2

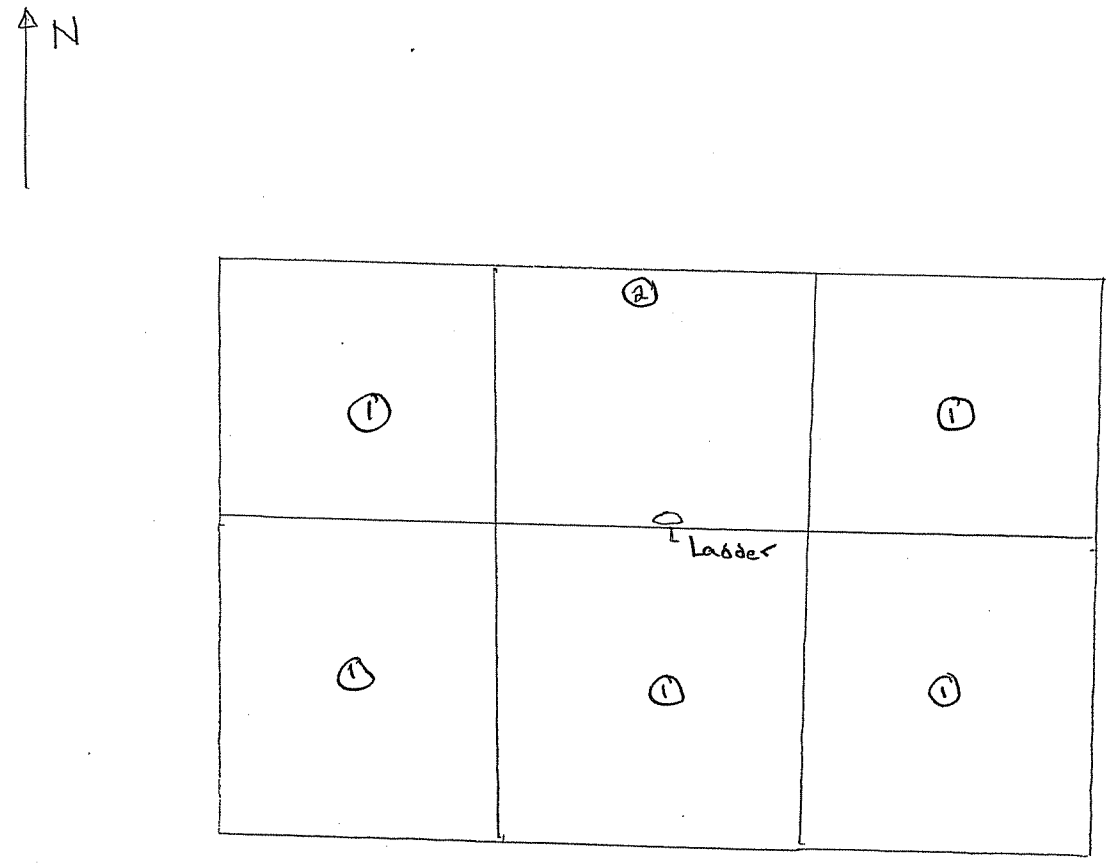
W COLUMN

TIER 9

(1) Typical Rust Staining / Flaking on walls Thru Tier 10

(2) Moisture in Corner @ Top of Tier 10 @ Splice (Typ)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS / BS	3/4	7 of 26
		of



PIER 2

W COLUMN

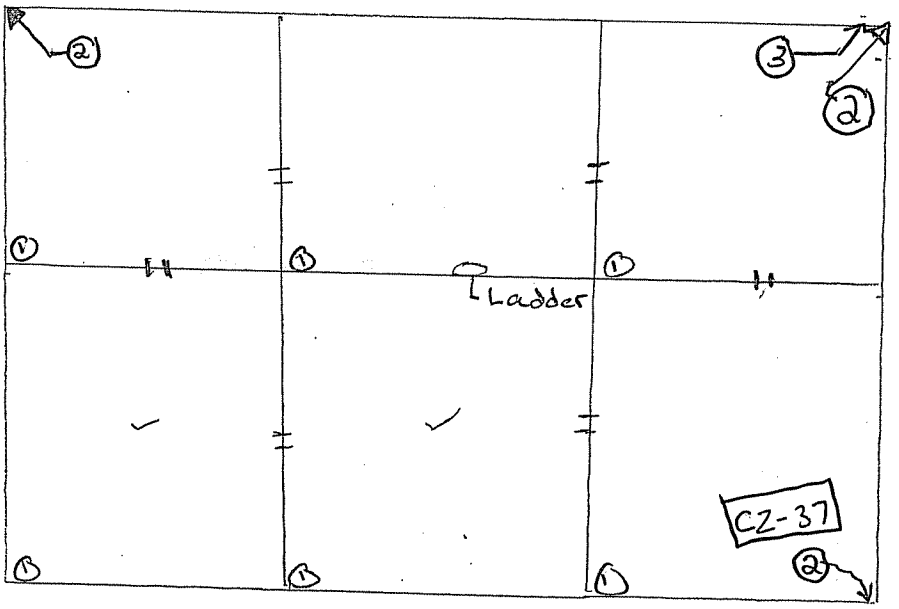
TIER 10

(1) Cells Visible From Pier 9

(2) Typical Rust Staining / Flaking on walls

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/IBS	3/4	8 of 26
		of

N



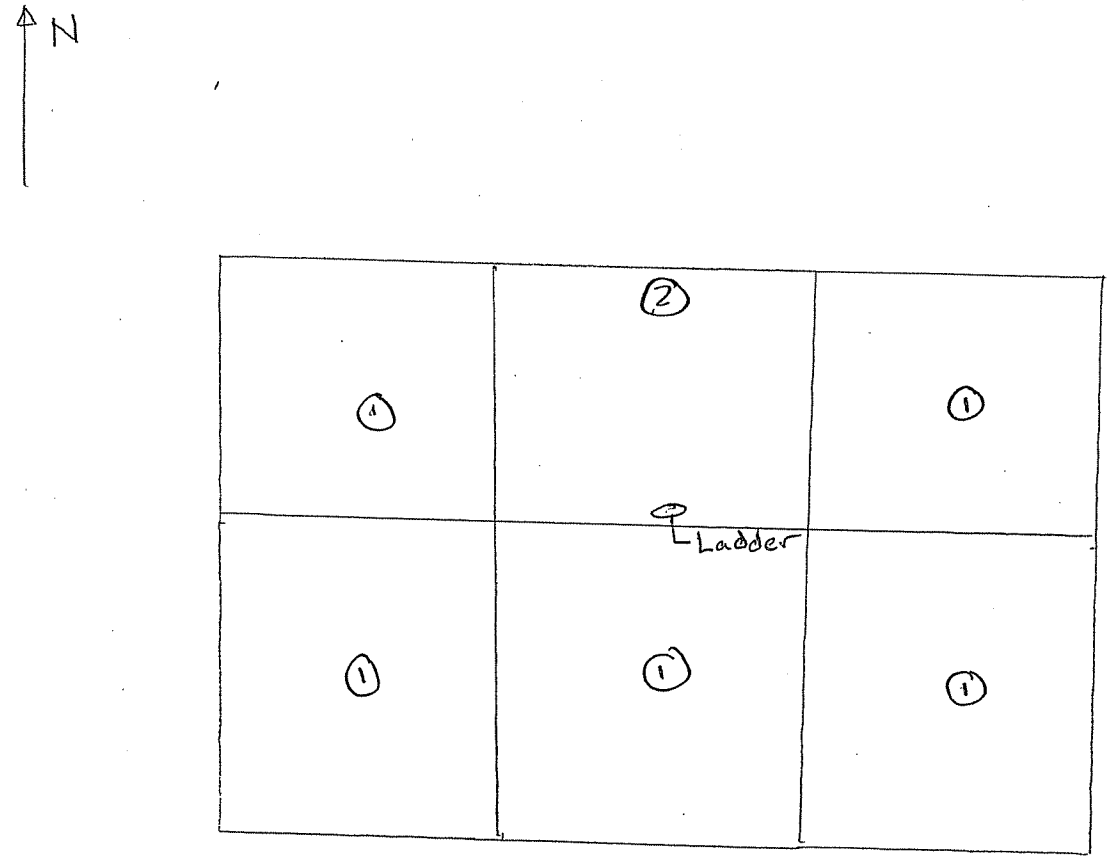
PIER 2
W COLUMN
TIER 11

(1) Typical Rust Staining / Flaking on all walls Thru Tier 12

(2) Small Gap in Splice w/ Moisture Staining / Efflo @ corner (Typ) CZ-37

(3) Moisture Visible even w/ Tier 12

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/BS	3/4	9 of 26
		of



PIER 2

W COLUMN

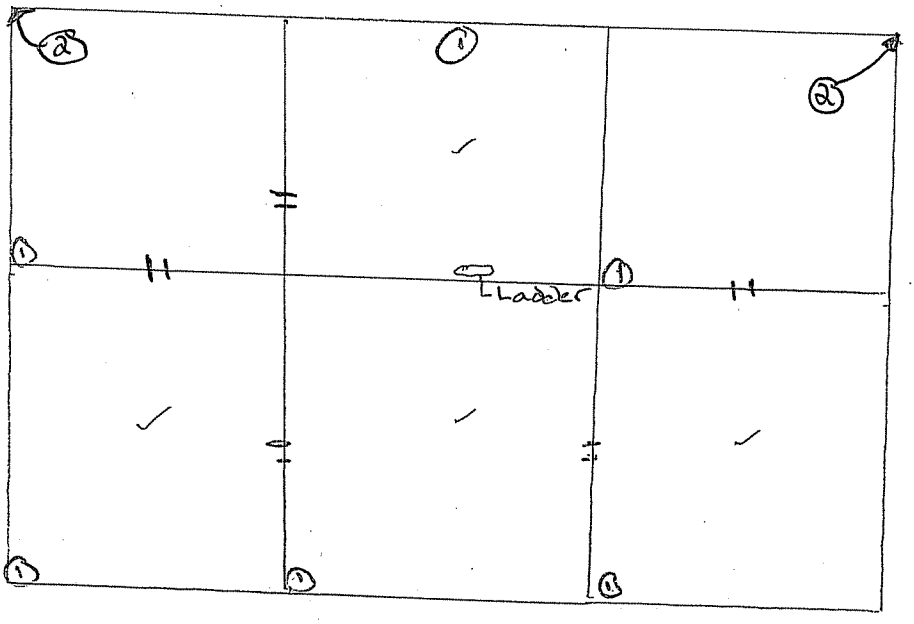
TIER 12

① Cells Visible From Tier 11

② Typical Rust Staining/Flaking on Walls

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
CRS/BS	3/14	10 of 26
		of

N

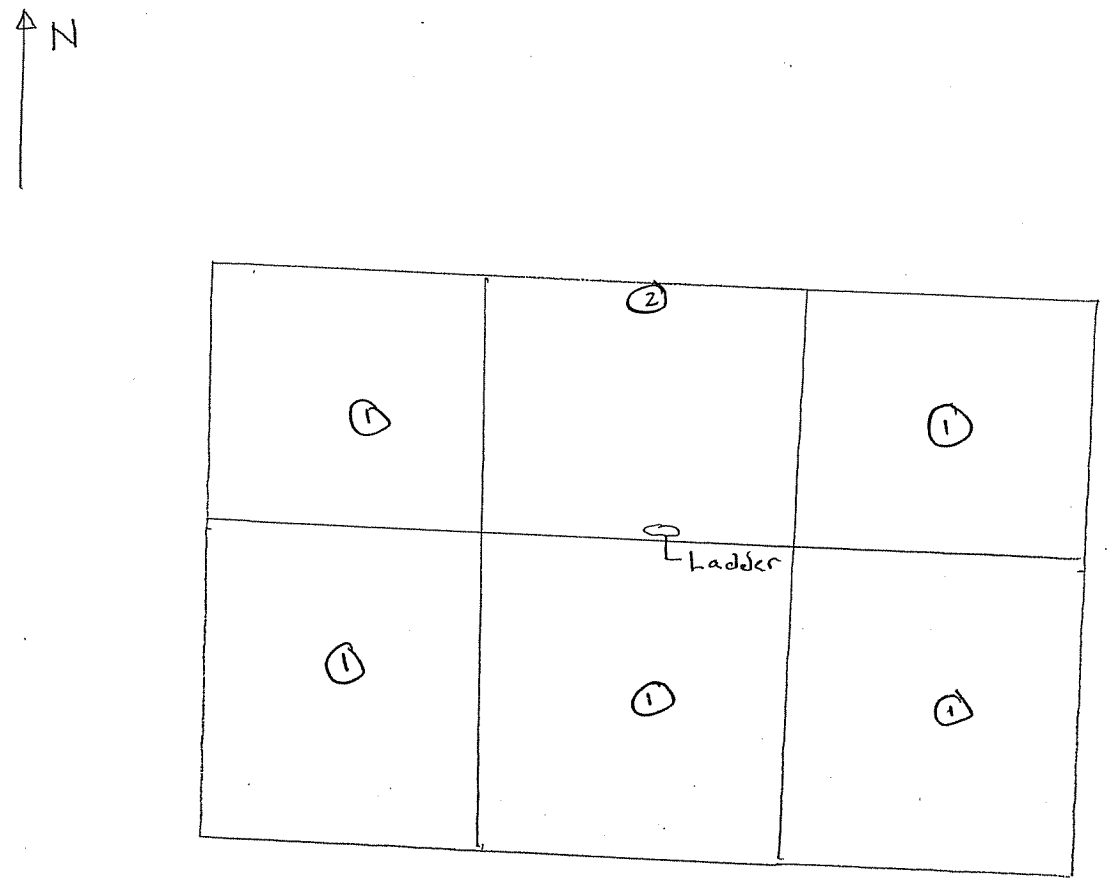


PIER 2

W COLUMN

TIER 13

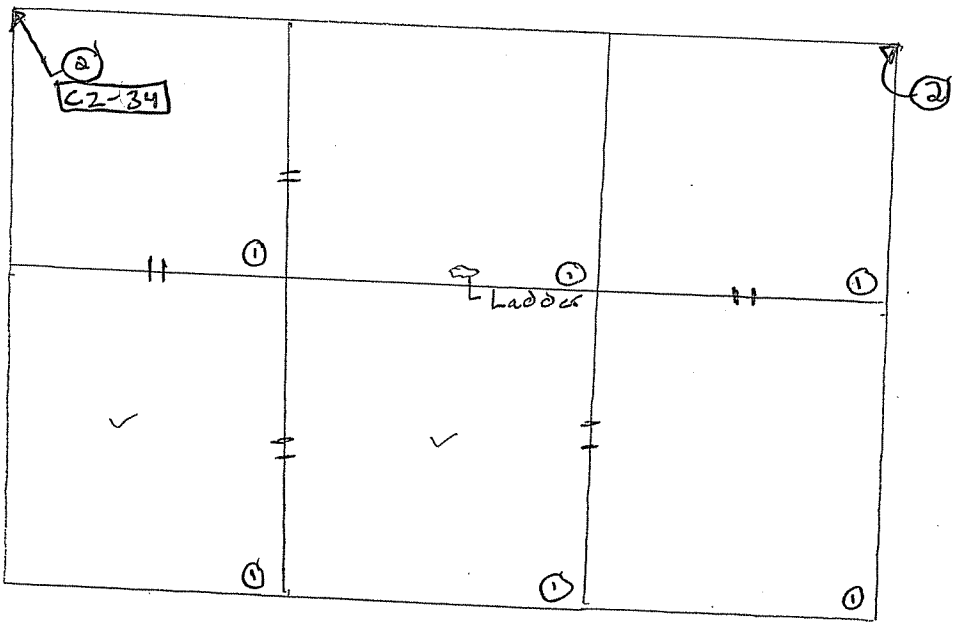
① Typical Rust Staining/Flaking on all walls up Thru Tier 14	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
② Visible moisture Staining up Throug Base of Tier 15 (Typ) C2-35 | C2-36	NOTES BY: TranSystems	
	JOB: P710070019	
	CREW: CRS/BS	DATE: 3/4
		SHEET: 11 of 26
		of



PIER 2
W COLUMN
TIER 14

(1) Visible From Tier 13
(2) Typical Rust Staining / Flaking on Walls

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: CRS/BS	DATE: 3/4
	SHEET: 12 of 26
	of



PIER 2

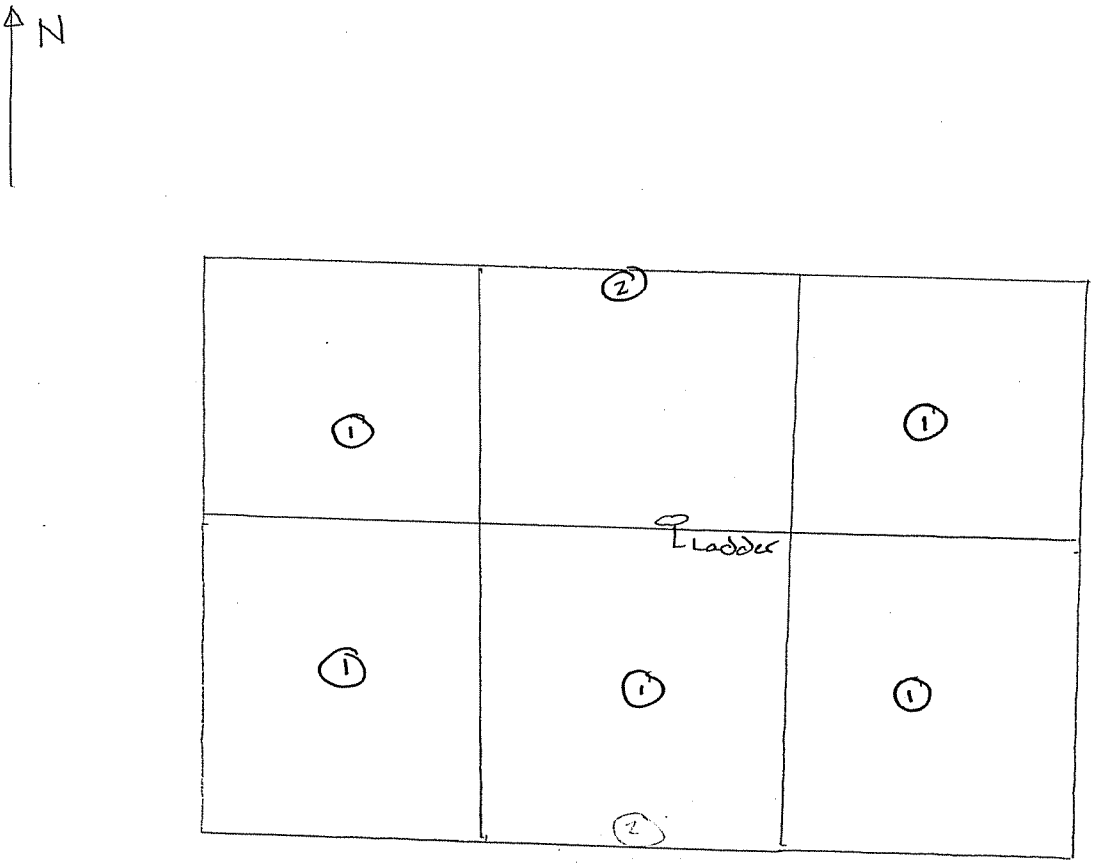
W COLUMN

TIER 15

(1) Typical Rust Staining / Flaking on walls Thru Tier 16

(2) Gap @ Splice w/ Moisture Staining / EFF10 (Typ) C2-34

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
CDS/BS	3/14	13 of 26
		of



PIER 2

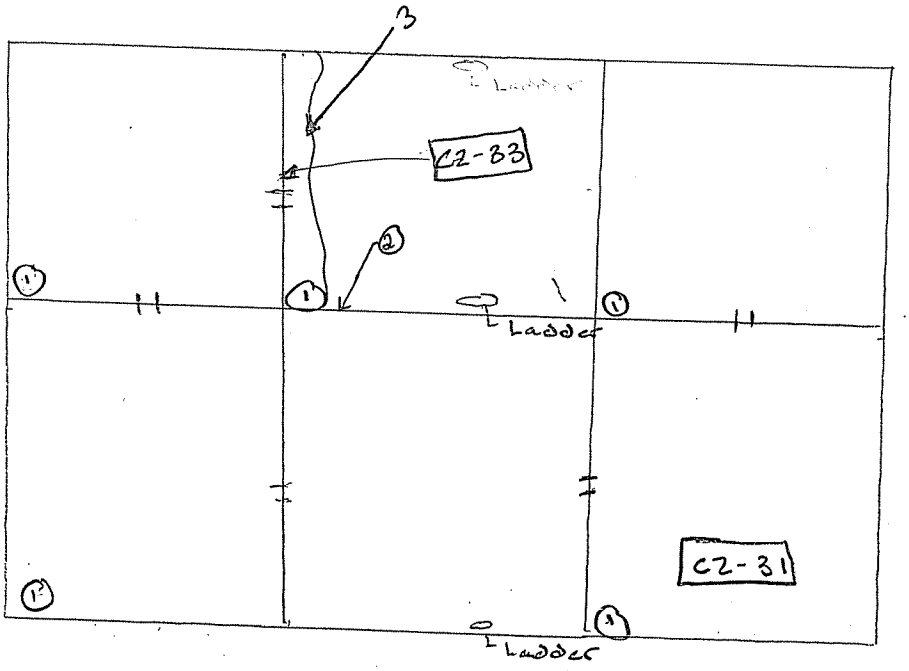
W COLUMN

TIER 16

(1) Visible From Tier 15	CTLGroup	Bridge No: Luling Bridge
(2) Typical Rust Staining / Flaking on walls		City/Town: Luling, LA
	NOTES BY:	TranSystems
	JOB: P710070019	
	CREW:	DATE:
	CRS/BS	3/4

SHEET:
14 of 26
of

N

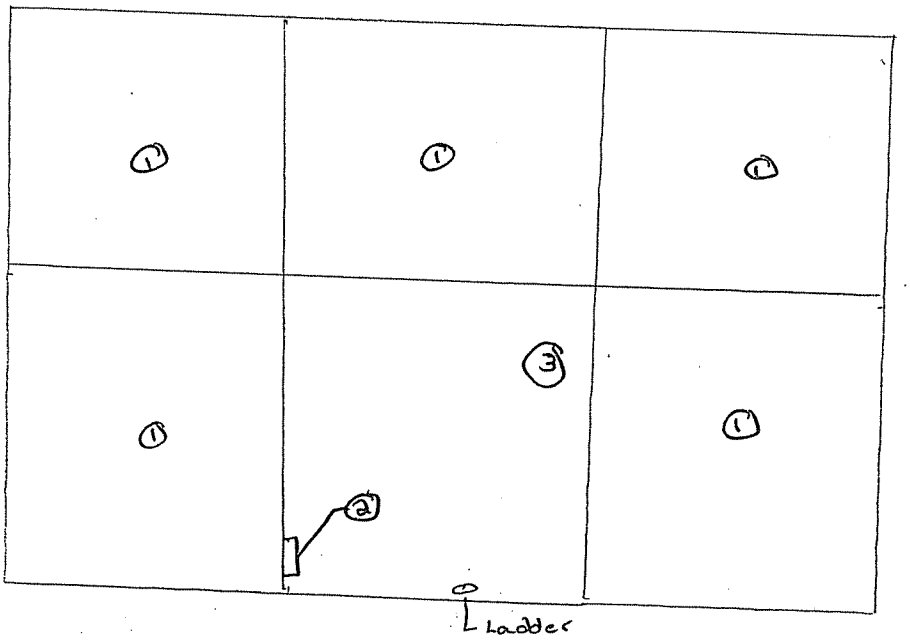


PIER 2

W COLUMN

TIER 17

(1) Typical Rust / Flaking on Walls ; up Thru Tier 18	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
(2) Missing Cover Plate on Conduit w/ Exposed Wires CZ-32	NOTES BY:	TranSystems
(3) Tier 17-18 Heavy Staining / Damp Near Tier 19 Floor CZ-33		
	JOB: P710070019	
	CREW: CRS / BS	DATE: 3/4
		SHEET: 15 of 26
		of



PIER 2

W COLUMN

TIER 18

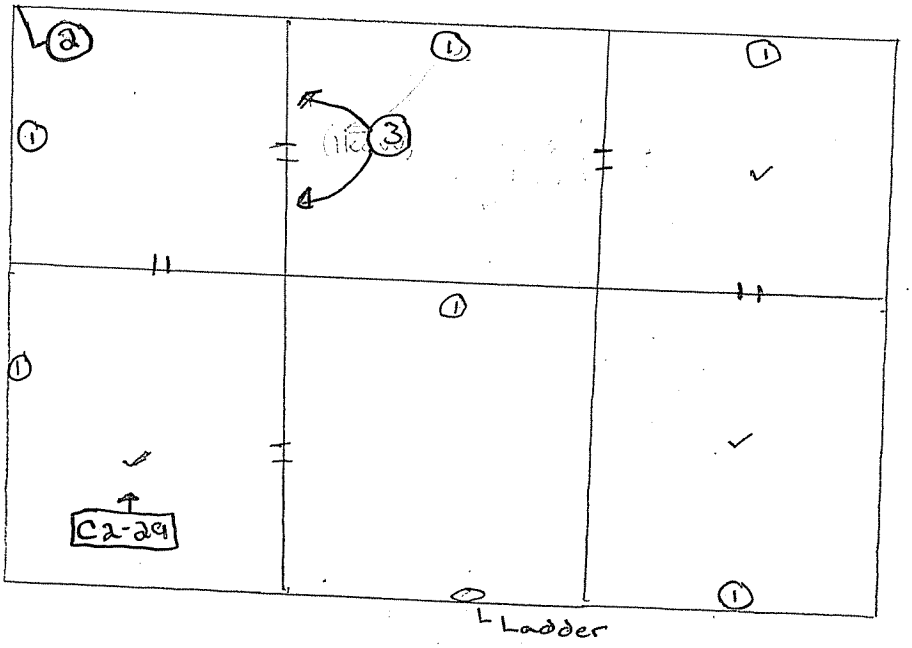
(1) Cells Visible From Tier 17

(2) Conduit Box w/ open Hatch / Exposed Wires C2-30

(3) Typical Rust Staining / Flaking on Walls

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	
CREW: CRS / BS	DATE: 3/4
	SHEET: 16 of 26
	of

N



PIER 2

W COLUMN

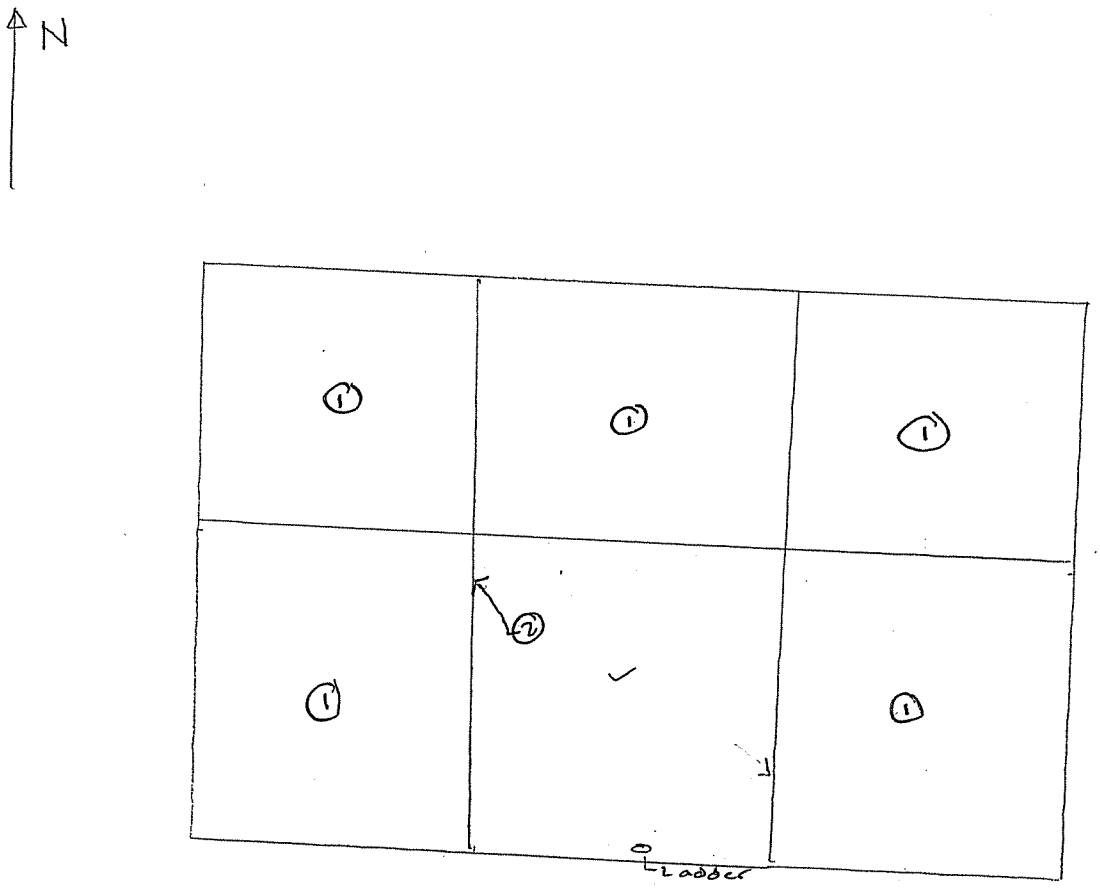
TIER 19

(1) Typical Rust Staining on Walls / Flaking

(2) Small Gap in Splice w/ EFF10 / Staining @ Corner C2-28

(3) Heavy Staining up Thru Pier 20

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/BS	3/4	17 of 26
		of



PIER 2

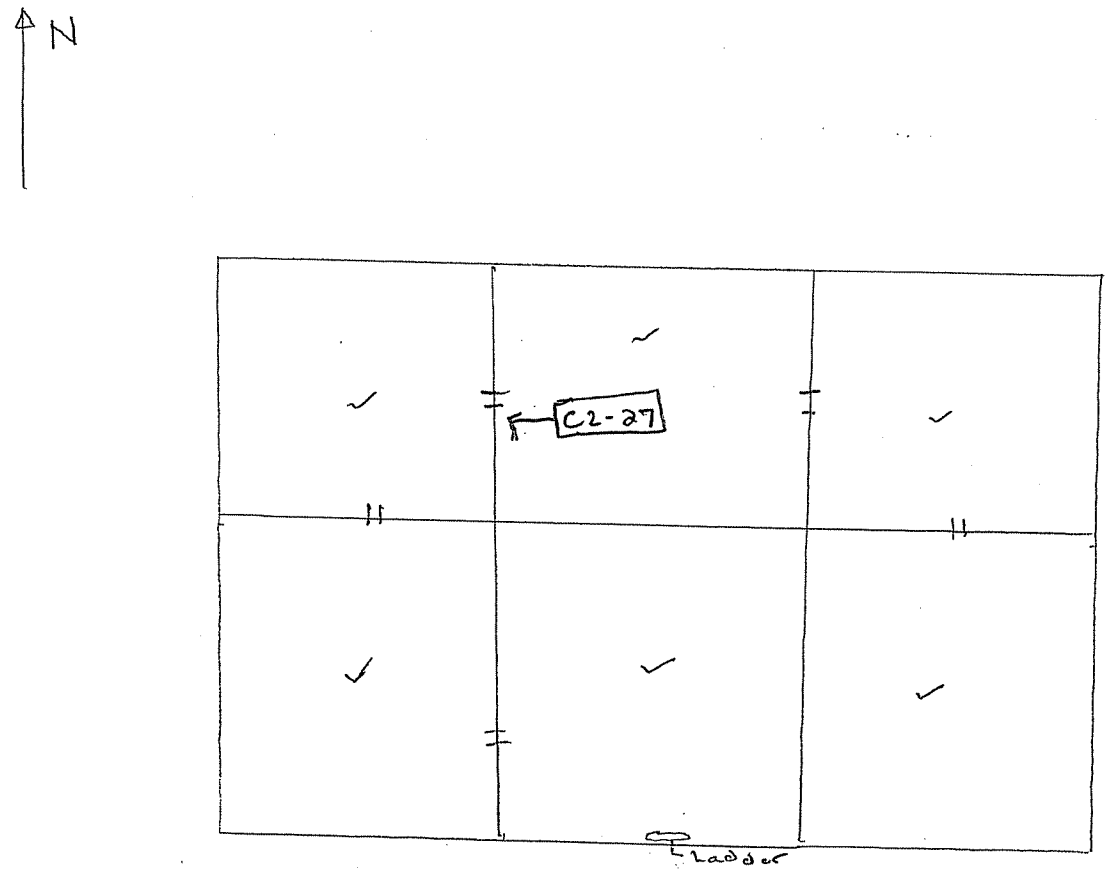
W COLUMN

TIER 20

(1) Visible From Tier 19

(2) Rust Staining (Typ)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
CRS / BS	3/4	18 of 26
		of



PIER 2

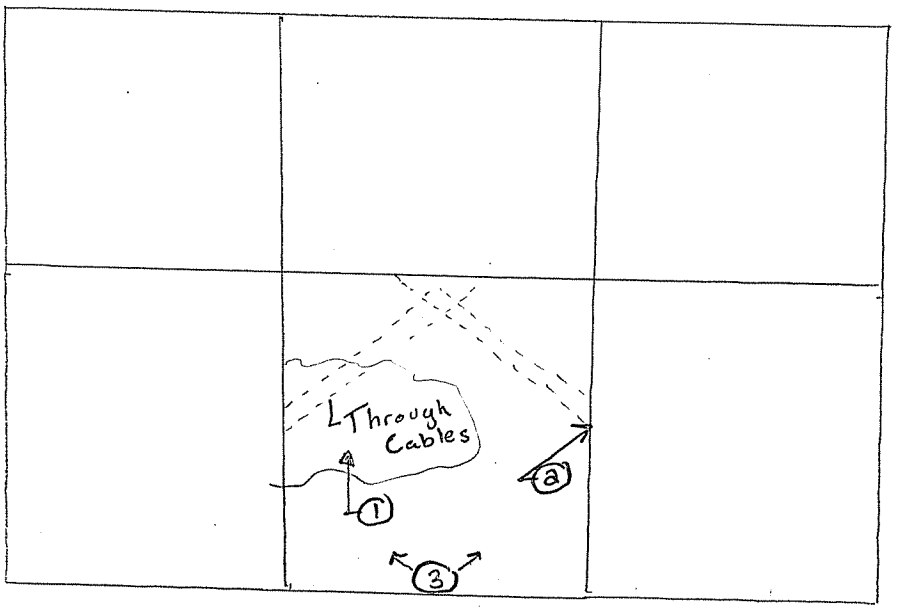
W COLUMN

TIER 21

(1) Light Rust Staining on all walls C2-27 (Typ)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
CES/BS	3/4	19 of 26
		of

N



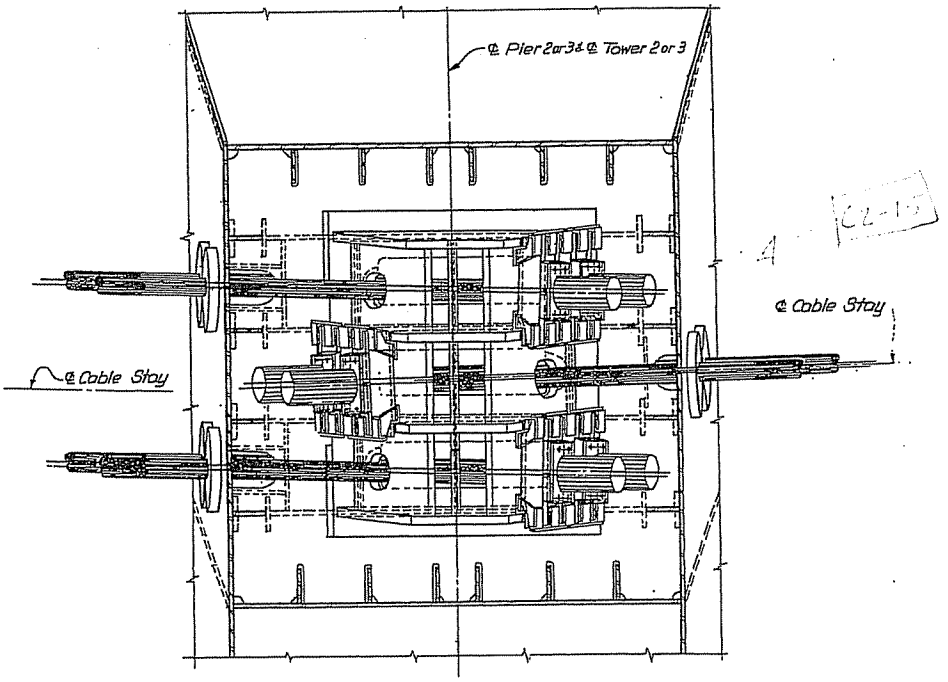
PIER 2

W COLUMN

TIER 22

1. Moisture on Floor From Cable Holes
2. 1/8" gap @ Brace PL C-2-24 C2-25
3. Typical Flaking Rust on all splice plates

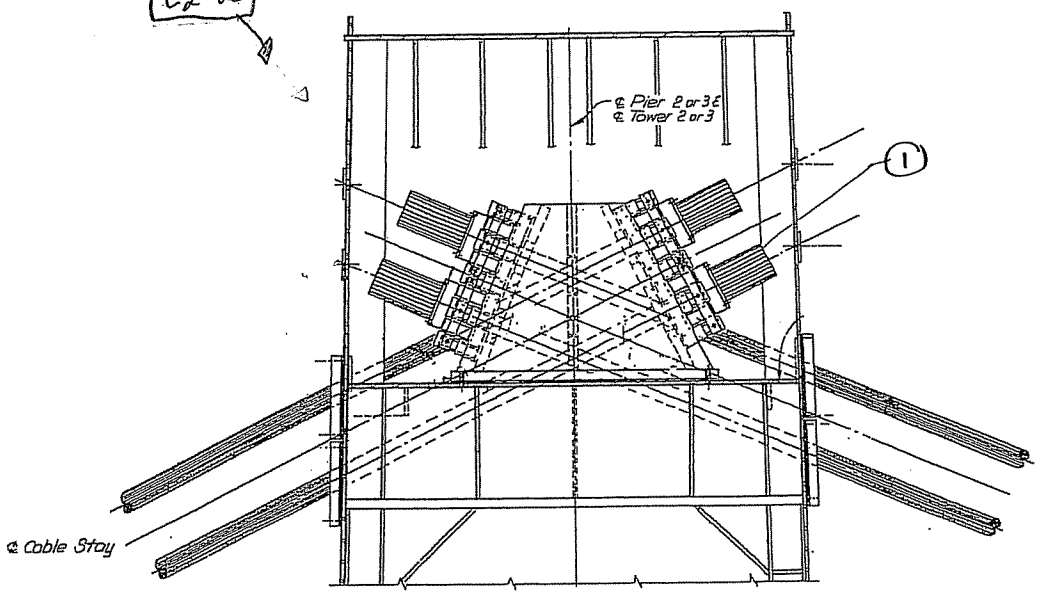
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/BS	3/4	20 of 26
		of



C2-15

PLAN

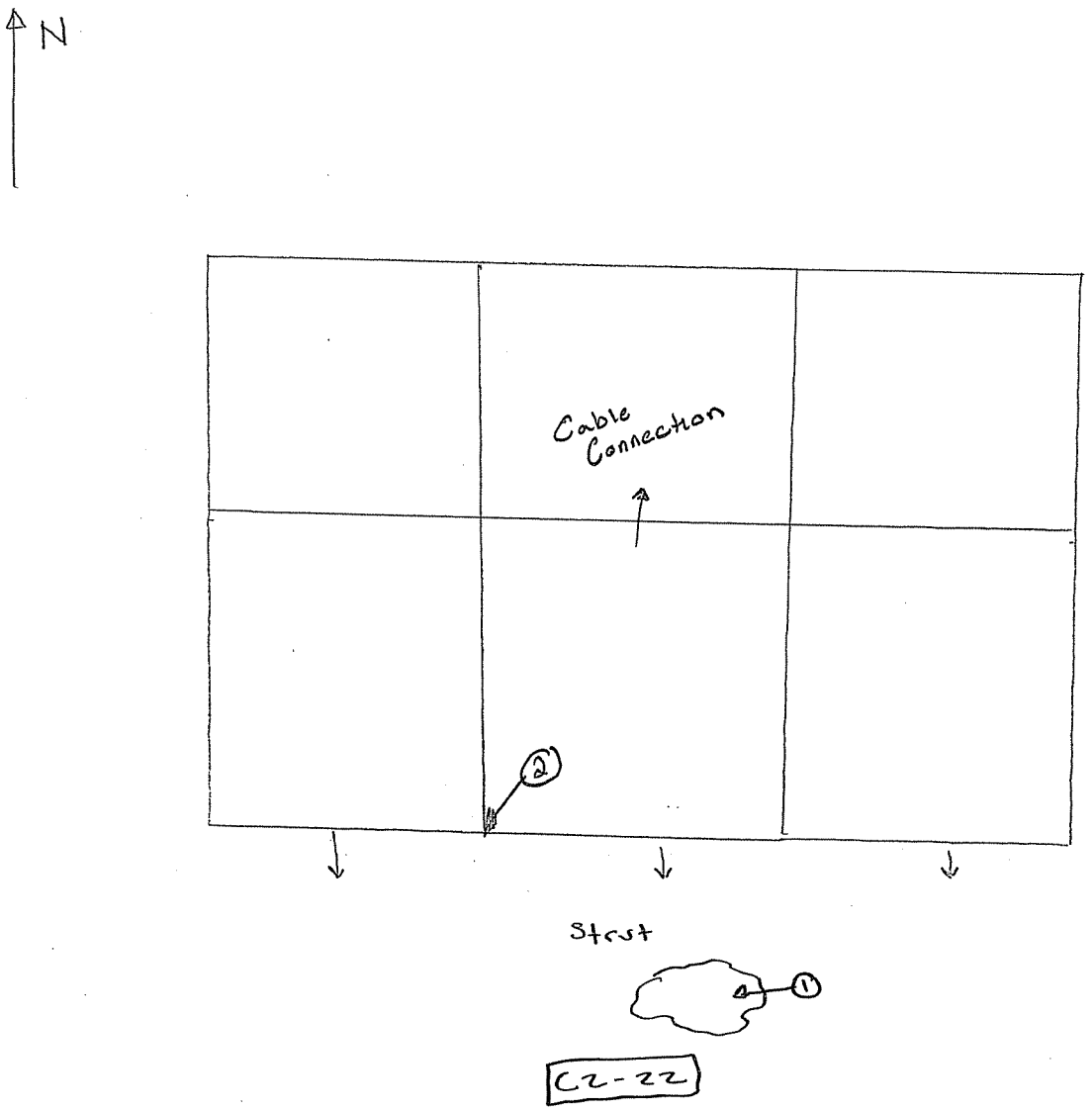
C2-23



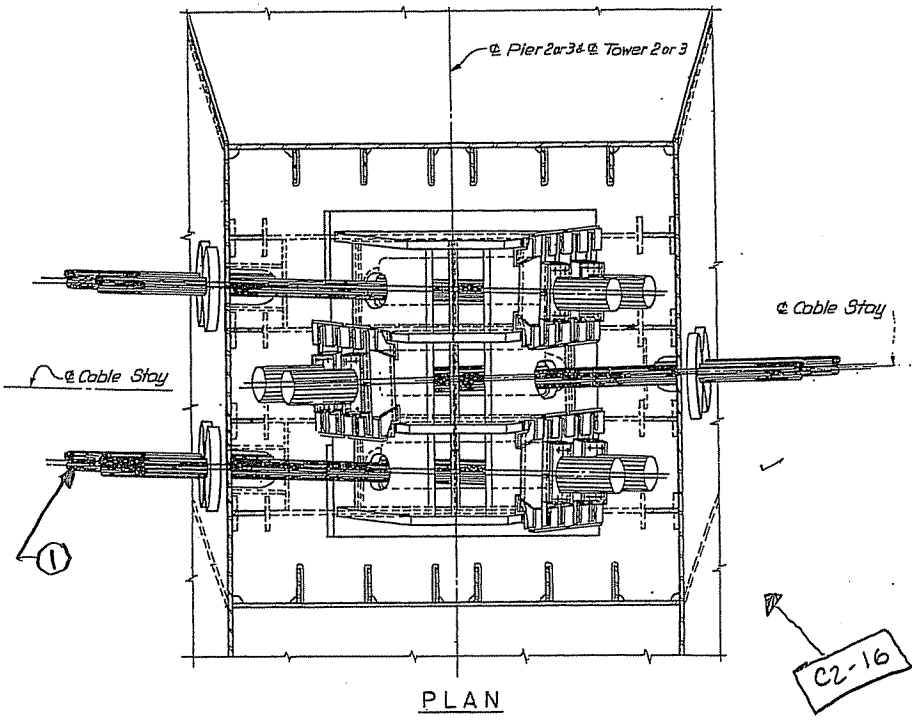
Tier 23 Cable Connect

(1) Sheared off Bolt @ Cable End C2-10

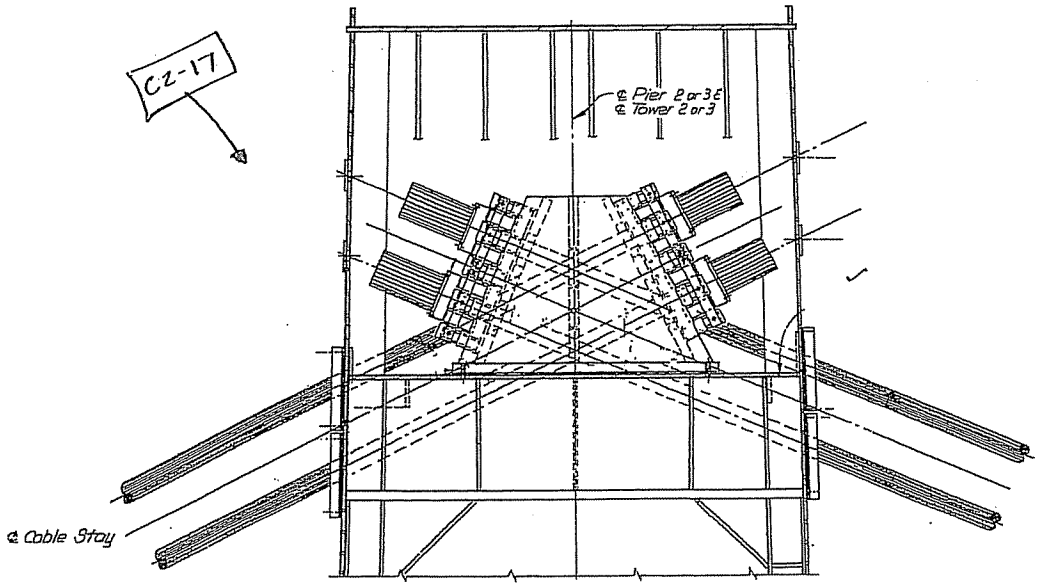
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOWER 2		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/BS	3/14	24 of 26
		of



(1) Moisture From leak in Top of Strut		
(2) Moisure Staining / Efflo From Const. Hole in Tier 24 Floor	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
	NOTES BY: TranSystems	
	JOB: P710070019	
	CREW: CRS/BS	DATE: 3/4
		SHEET: 21 of 26
		of



PLAN



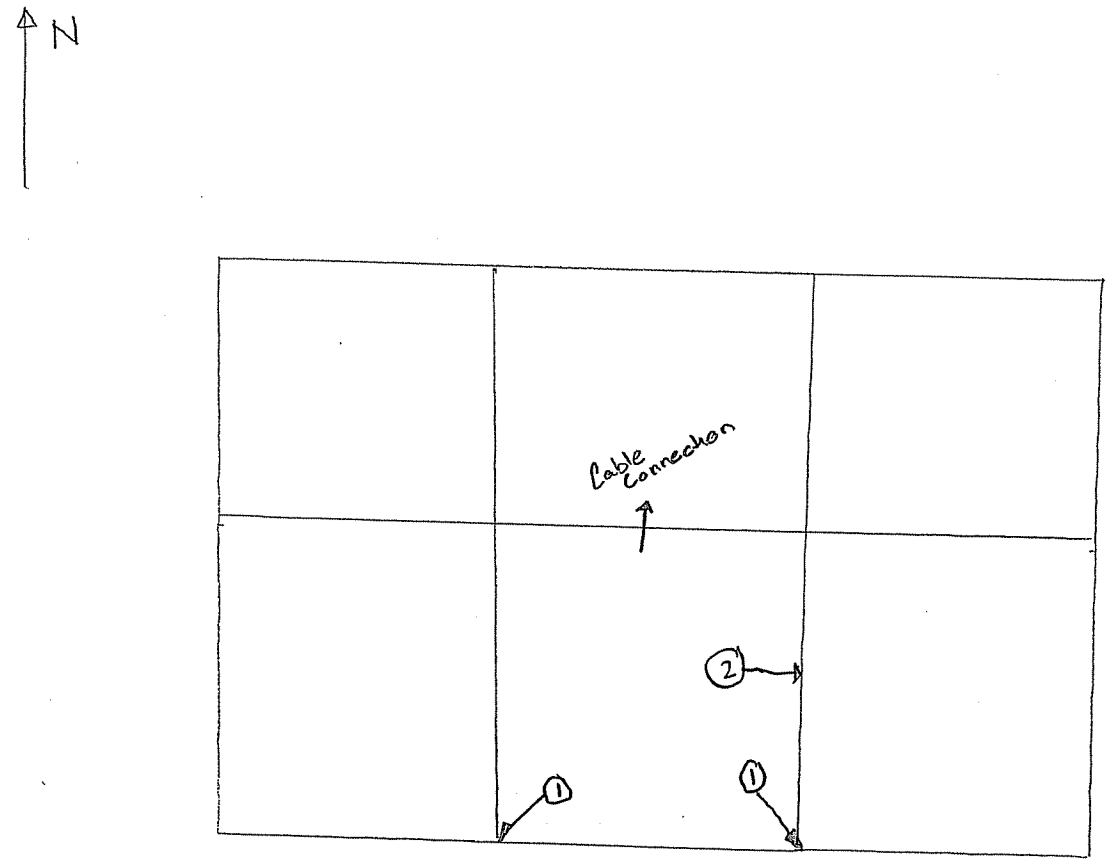
Tier 24

Cable Connection

(1) Sheared off Bolt on Top Cap of Cable

C2-18

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOWER 2		
JOB: P710070019		
CREW:	DATE:	SHEET:
CL2S/BS	3/14	25 of 26
		of

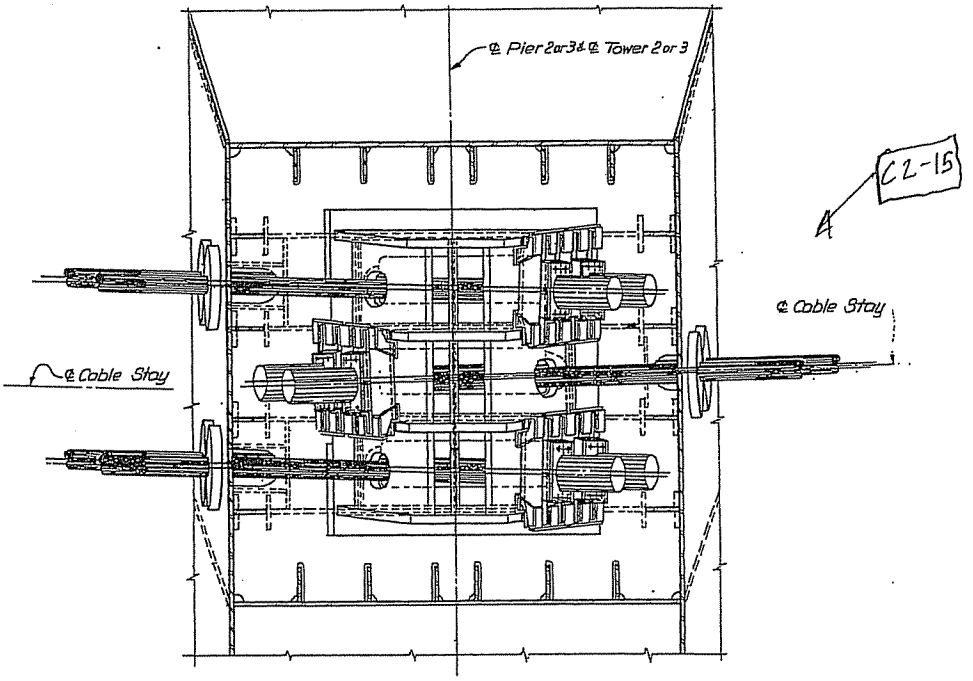


PIER 2

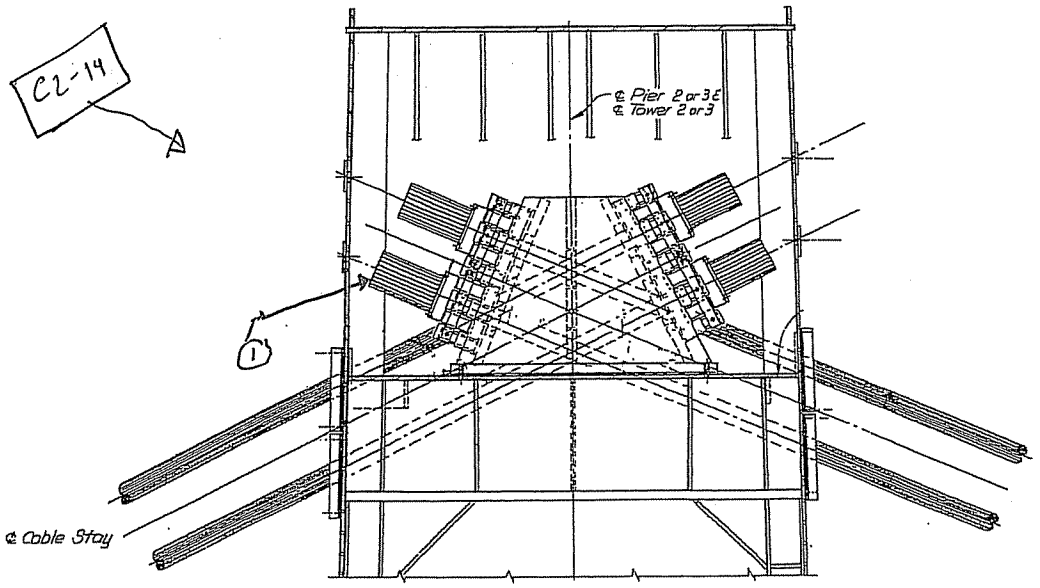
W COLUMN

TIER 24

① Water Leaking Through Cons. Hole in Tier Floor; w/ staining on walls CZ-19 (Typ.)	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
② EFFIO / Rust Staining on Splice P2	NOTES BY: TranSystems	
	JOB: P710070019	
	CREW: CRS/BS	DATE: 3/4
		SHEET: 22 of 26
		of



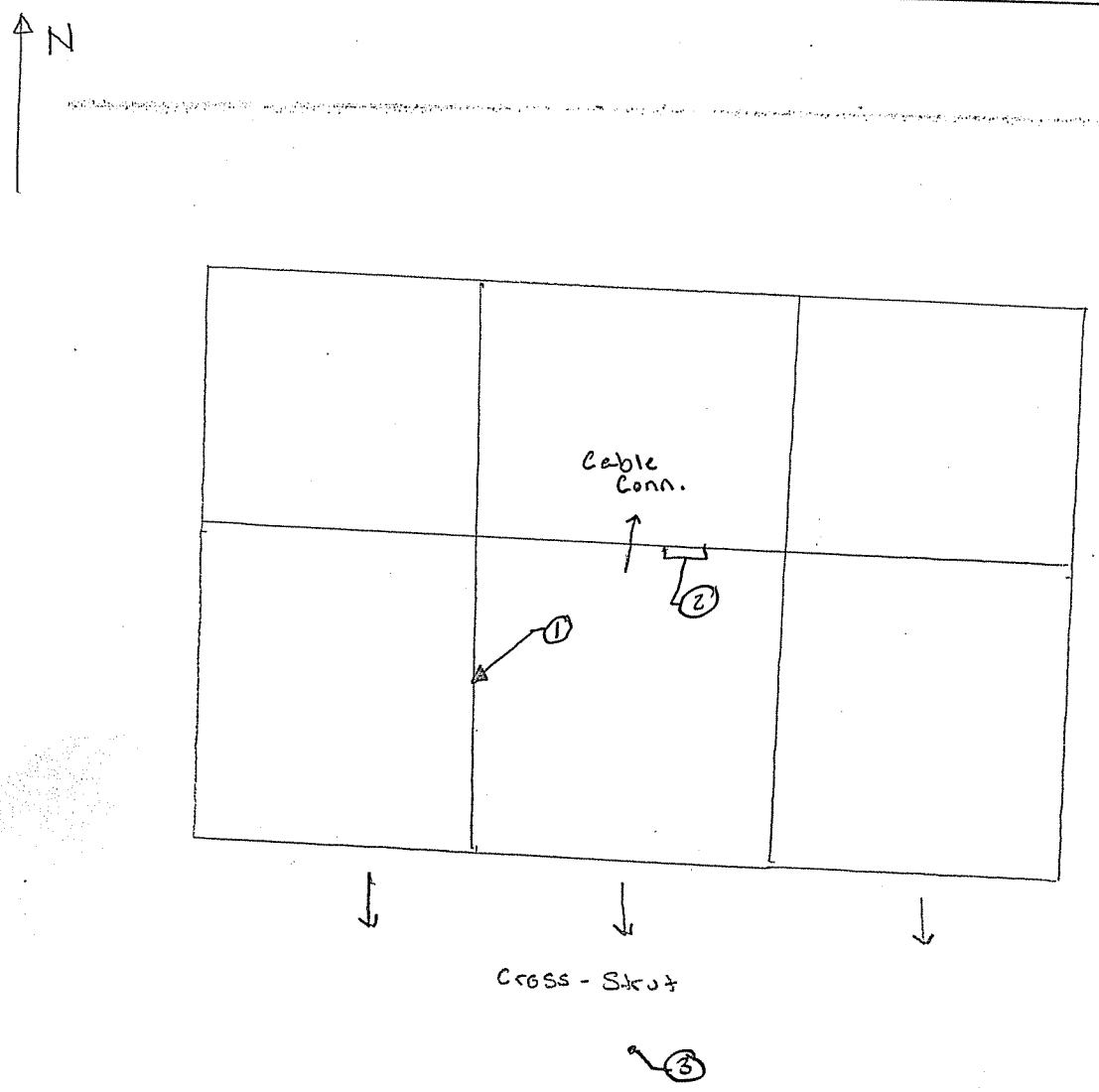
PLAN



Tier 25

(1) Sheared off Bolt @ Cable Cap C2-13

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOWER 2		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/BS	3/4	26 of 26
		of



PIER 2

W COLUMN

TIER 25

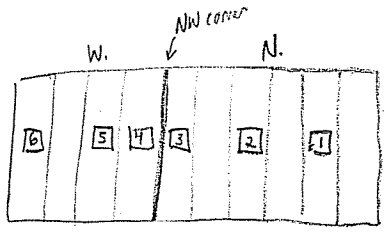
1. Water Leakage @ Splice PL w/ up to 1/16" Loss x 6"W C2-11
2. Missing Cover on Conduit C2-12
3. Active Leak in Strut Ceiling w/ moisture on Tier 23 C2-20-21

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	

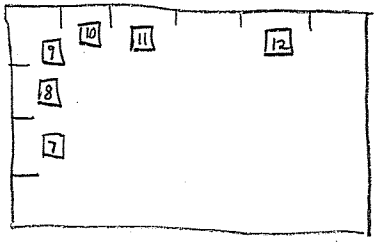
CREW:	DATE:	SHEET:
CRS, BS	3/4/08	23 of 26
		of

LOCATION - Tower 2 E. leg Tier 7 NW corner

LOCATION	THICKNESS AFTER WIRE BRUSH	GRINDING
1	.641	.636
2	.643	.637
3	.643	.636
4	.648	.629
5	.651	.635
6	.649	.634
7	.397	.384
8	.396	.382
9	.410	.384
10	.393	.378
11	.402	.381
12	.397	.380



Elev



plan

333

Mod Rust Floors / Wall

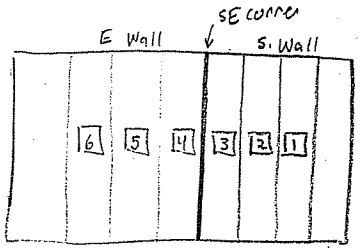
Sheet rust on Floor / wall

Mod rust accumulation on floor

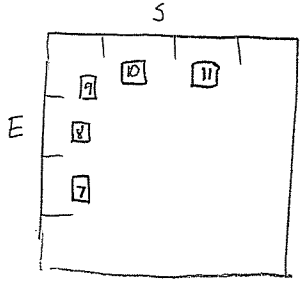
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC/BS/CTY/MJJ	4/8/08	1 of 19
		. of

LOCATION - Tower 2 E. leg Tier 7 SE corner

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
1	.647	.636
2	.646	.629
3	.640	.621
4	.651	.635
5	.661	.639
6	.658	.638
7	.280	.389
8	.375	.365
9	.410	.371
10	.390	.365
11	.410	.384



Elev



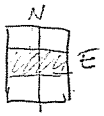
Plan

2 IC
333

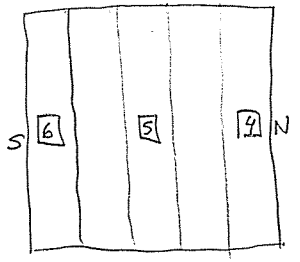
Mod Rust on Walls / Sheet rust
Heavy pitting on floor
Sheet rust on floor
Heavy accumulation of rust on floor

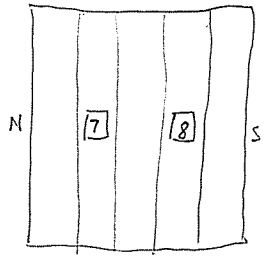
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: BKC/BS/CRY/MJS	DATE: 4/8/08
	SHEET: 2 of 19
	of

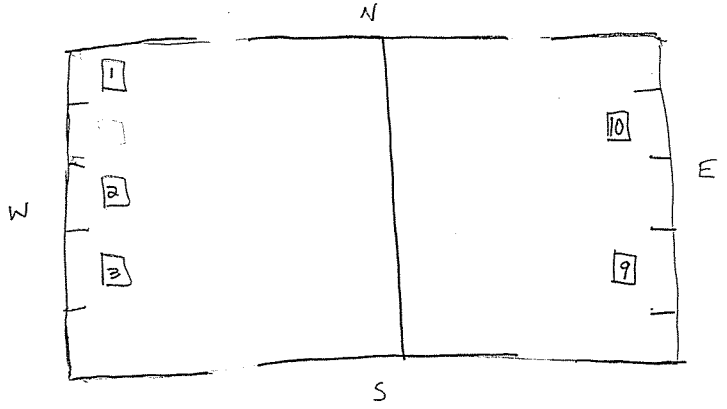
LOCATION - TIER II Tower 2 E. Leg Middle sections



LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
1	.395	.378
2	.380	.374
3	.394	.372
4	.617	.624
5	.627	.622
6	.650	.625
7	.660	.638
8	.657	.641
9	.417	.383
10	.406	.380







Floor Plan

211
333

Mod. rust floor + walls

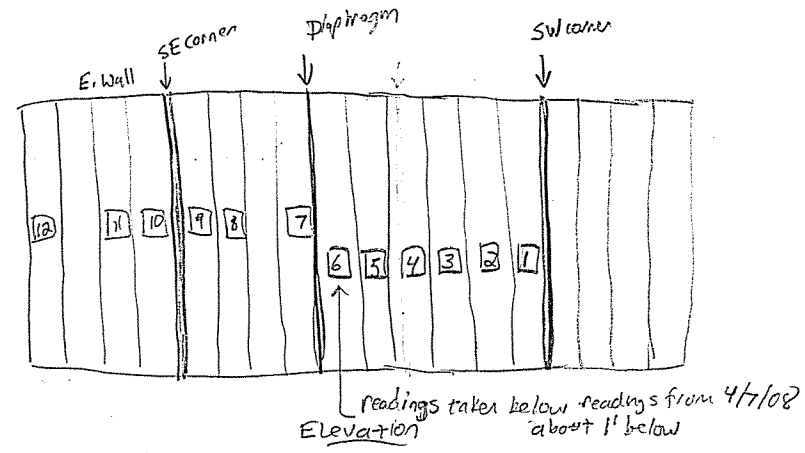
light rust accumulation on floor

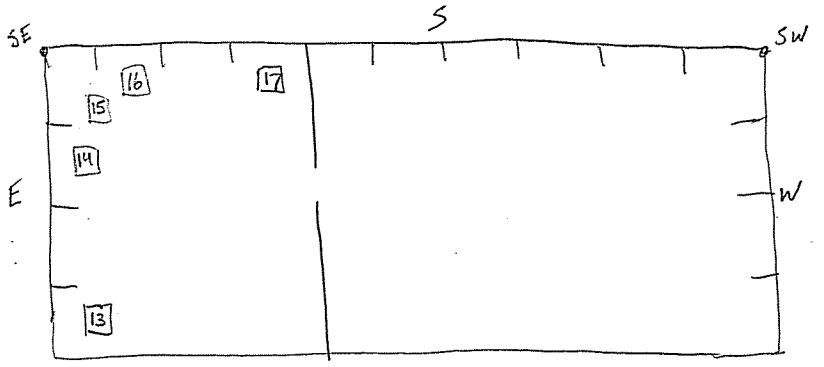
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC/BSJ/CCY/MJJ	4/8/08	3 of 19
		of

LOCATION - Tower 2 Eleg SW & SE corners
Tier 11

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
1	.622	.612
2	.627	.619
3	.649	.633
4	.644	.622
5	.646	.625
6	.644	.631
7	.634	.625
8	.632	.619
9	.629	.608
10	.654	.638
11	.663	.641
12	.657	.638
13	.416	.397
14	.375	.398
15	.353	.384
16	.406	.384
17	.412	.392





Floor Plan

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	

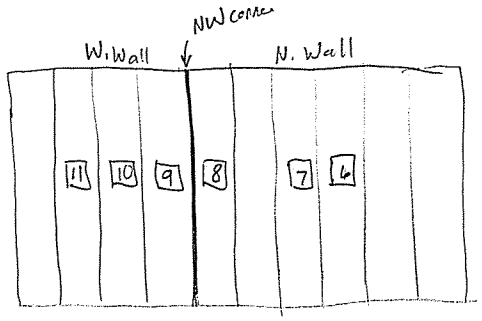
CREW:	DATE:	SHEET:
BKC/BS/CTY/MJJ		4 of 19
		of

212
333

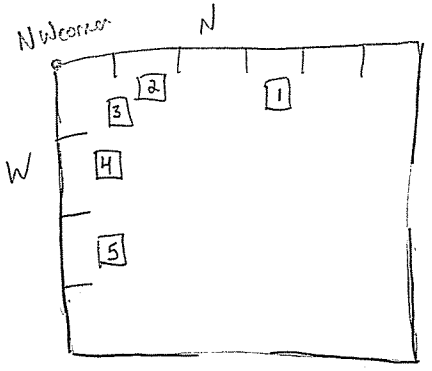
Tower 2 E. leg

LOCATION - Tier 11 NW corner

LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
1	.399	.386
2	.395	.380
3	.365	.358
4	.317	.369
5	.403	.376
6	.635	.630
7	.634	.631
8	.636	.625
9	.644	.626
10	.649	.629
11	.647	.625



Elev



Floor Plan

Mod. rust on walls/floor

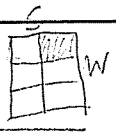
light rust accumulation on floor

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	

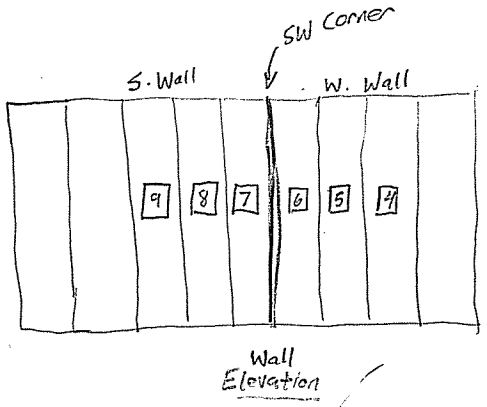
CREW:	DATE:	SHEET:
BKC/BS/CTY/MJJ	4/8/08	5 of 19
		of

Tower 2 E. leg

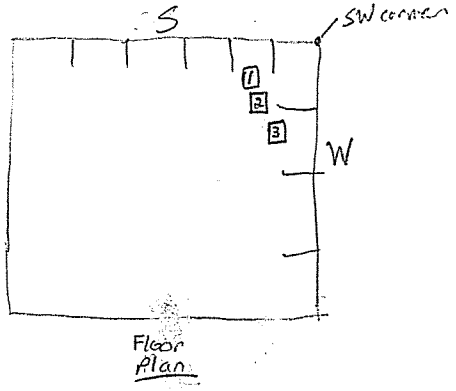
LOCATION - TIER 15 SW Corner



LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
1	.405	.387
2	.405	.392
3	.401	.389
4	.629	.622
5	.634	.621
6	.635	.622
7	.625	.613
8	.636	.617
9	.635	.624



Wall Elevation



Floor Plan

214
333

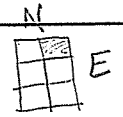
Caliper reading of diaphragm/floor 3/8"

Typ. rust piled on floor up to 1/4" deep @ corner

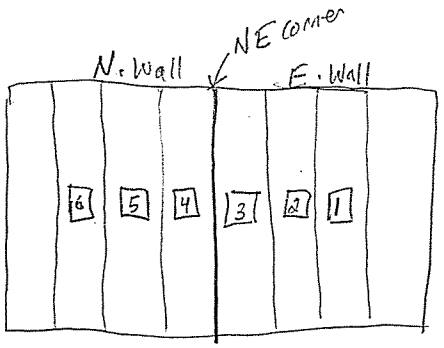
Walls have mod. rust

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC/BS/CEY	4/8/08	6 of 19
		of

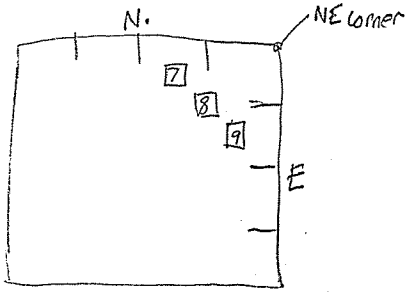
LOCATION - Tower 2 E. leg TIER 15 NE corner



LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
1	.657	.645
2	.658	.647
3	.671	.636
4	.675	.639
5	.651	.644
6	.657	.644
7	(1)	.347
8	(1)	.343
9	(1)	.337



Wall Elevation



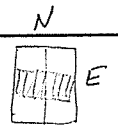
Floor Plan

(1) Heavy Pitting 1/16" unable to take T-Meter Reading
Typ. Rust on floor up to 1/8" deep
Walls Imod. rust

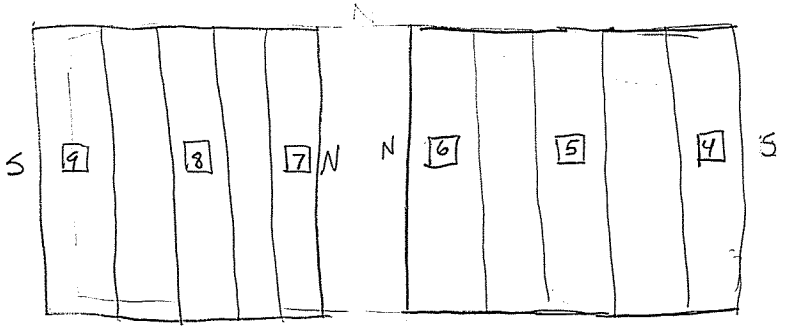
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	
CREW: BKC/BS/CTY	DATE: 4/8/08
	SHEET: 7 of 19
	of

A15 333

LOCATION - Tower 2 E. Leg TIER 19 Middle sections

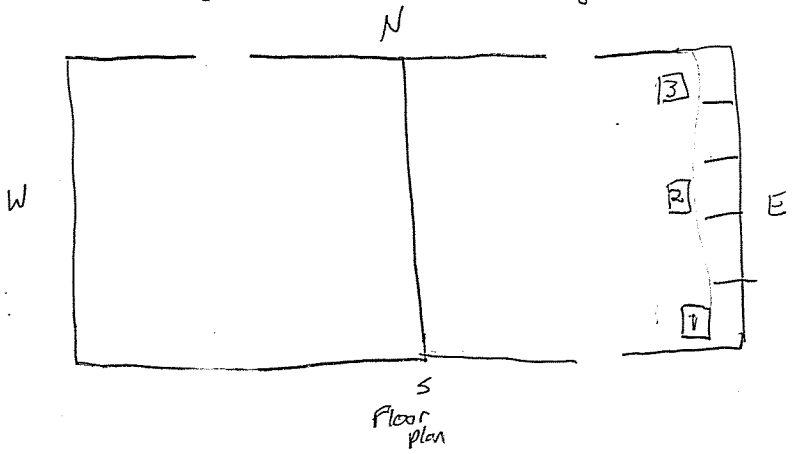


LOCATION	THICKNESS AFTER WIRE BRUSH	GRINDING
1	.407	.389
2	.399	.389
3	.406	.386
4	.712	.643
5	.667	.646
6	.664	.645
7	.660	.638
8	.657	.643
9	.654	.643



W. Wall Elev looking West

E. Wall Elev looking East



Floor plan

116
333

light rust accumulation on floor

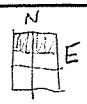
Moderate rust on walls

Sheet rust on walls

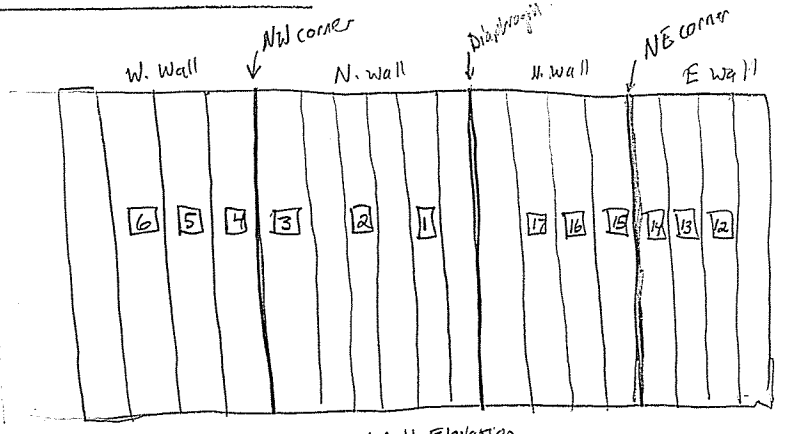
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC/BS/CTY	4/8/08	8 of 19
		of

Tower 2 E. leg

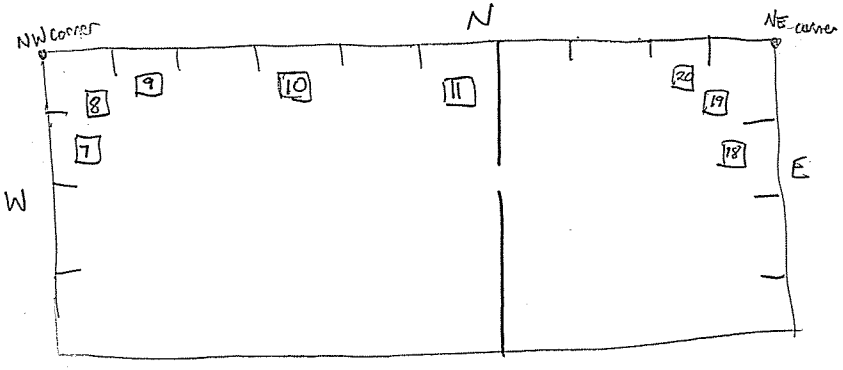
LOCATION - TIER 19 NW + NE corners



LOCATION		THICKNESS AFTER WIRE BRUSH		GRINDING	
1	12	.644	.668	.642	.651
2	13	.650	.662	.641	.646
3	14	.651	.671	.646	.647
4	15	.657	.672	.642	.639
5	16	.652	.657	.635	.643
6	17	.646	.656	.644	.637
7	18	.467	.307	.375	.347
8	19	.341	.280	.363	.339
9	20	.389	.384	.399	.353
10		.402		.394	
11		.396		.384	



Wall Elevation



Floor Plan

217
333

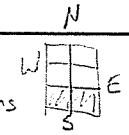
Mod. Rust Walls + floor, Heavy Rust accumulation on floor, Sheet rust on walls

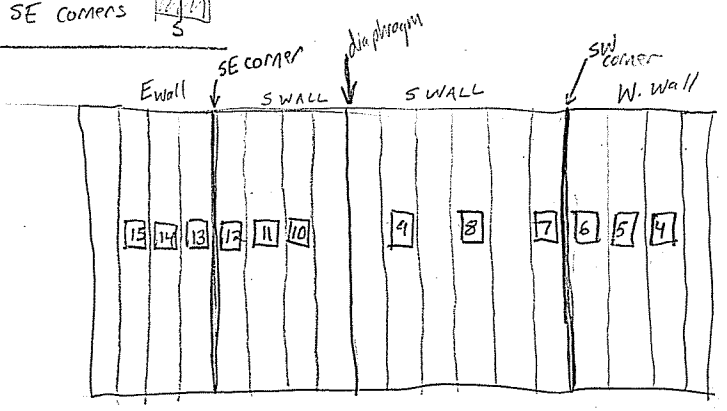
Moderate + Heavy pitting on floor

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	
CREW:	DATE: / SHEET:
BKC/BS/CTY	4/8/08 / 9 of 19
	/ of

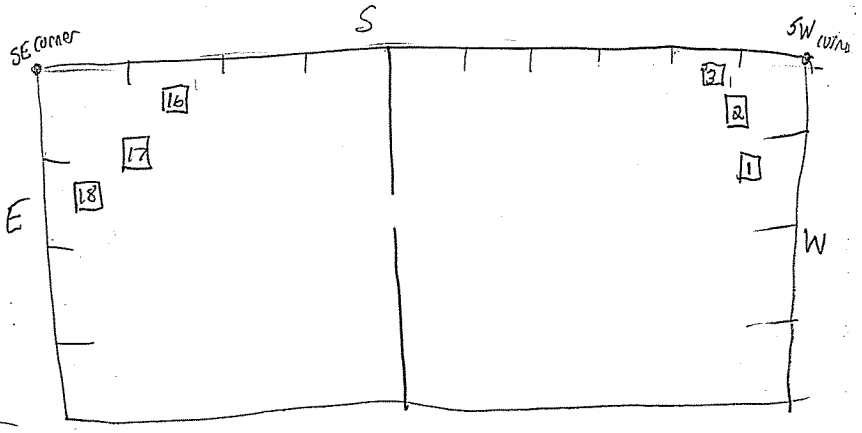
Tower 2 E, leg

LOCATION - TIER 19 SW + SE corners





LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
1	.429	.371
2	.407	.373
3	.417	.381
4	.657	.640
5	.656	.642
6	.652	.639
7	.647	.629
8	.649	.636
9	.673	.637
10	.636	.616
11	.642	.627
12	.641	.625
13	.658	.641
14	.656	.642
15	.655	.644
16	1	.345
17	1	.348
18	1	.353



Caliper Reading Floor/Diaphragm 3/8"

① Floor heavy pitting too rough for D Meter readings

Sheet rust on walls

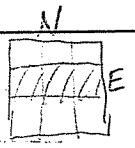
Med. Rust floor + Walls

heavy accumulation of rust piles on floor

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC/BS/CTY	4/8/08	10 of 19
		of

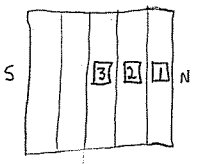
218
333

LOCATION - Tower 3 E. leg Tier 6 Middle bays

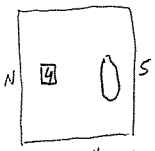


THICKNESS AFTER

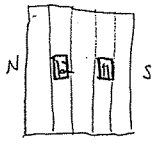
LOCATION	WIRE BRUSH	GRINDING
1	.645	.641
2	.637	.634
3	.634	.630
4	.641	.634
5	.631	.632
6	.633	.632
7	.626	.626
8	.630	.628
9	.626	.630
10	.630	.630
11	.638	.629
12	.629	.626
13	.890	.870
14	.879	.872



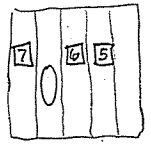
WC W. Wall looking W



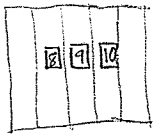
WC E wall looking E



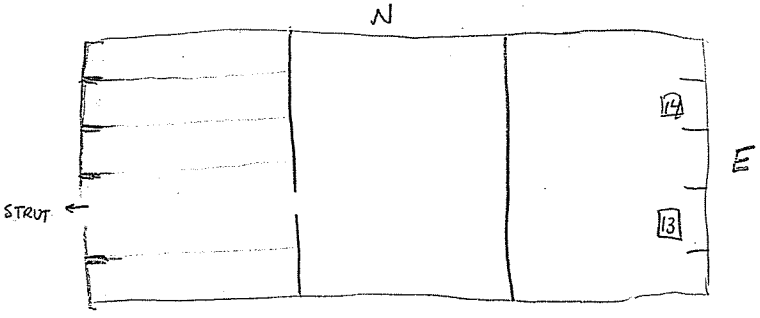
EC E wall looking E



CC W. Wall looking W



CC E. Wall Looking E



333 619

Mod. Rust Floors/Walls

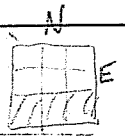
Slight rust accumulation piles on floor

Bird Excrement Floor of East Center bay

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	

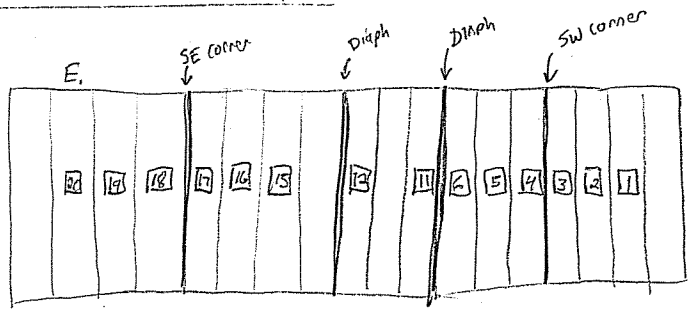
CREW:	DATE:	SHEET:
BKC/CTY	4/8/08	11 of 19
		of

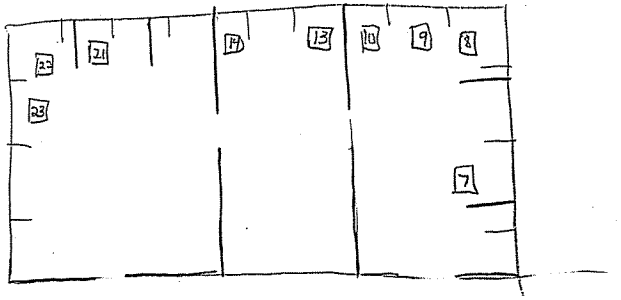
LOCATION - Tower 3 Eleg TIER6 S. Bays



THICKNESS AFTER

LOCATION		WIRE BRUSH		GRINDING	
1	13	.642	.387	.640	.374
2	14	.643	.387	.639	.377
3	15	.686	.637	.629	.633
4	16	.634	.634	.615	.630
5	17	.636	.635	.627	.630
6	18	.630	.633	.625	.629
7	19	.431	.634	.357	.631
8	20	.398	.636	.367	.632
9	21	.426	.389	.312	.381
10	22	.398	.387	.368	.382
11	23	.627	.390	.623	.381
12		.630		.628	





020
333

Mod Rust Walls/Floor

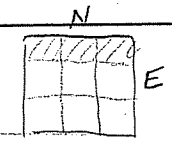
Mod-heavy accumulation of rust on floors of SW corner, light accumulation in other 2

1/16" pitting on floor SW, SE corners [9-10]

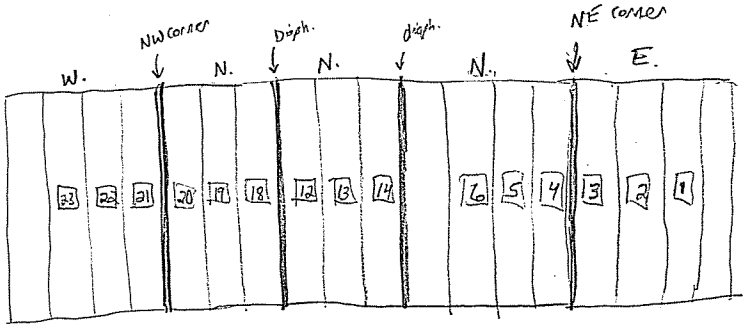
1/16" pitting on walls at SW corners [3] & [9]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	
CREW: BKC/CTY	DATE: 4/8/08
	SHEET: 12 of 19
	of

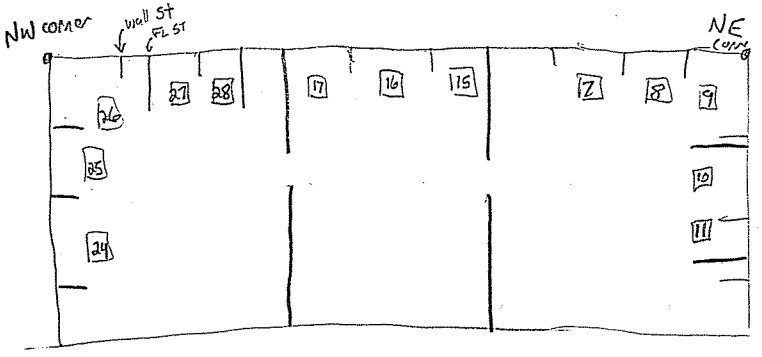
LOCATION - Tower 3 E. leg Tier 6 N. side



LOCATION		THICKNESS AFTER WIRE BRUSH		THICKNESS AFTER GRINDING	
1	15	.632	.389	.629	.374
2	16	.631	.385	.631	.373
3	17	.633	.383	.622	.372
4	18	.704	.645	.608	.621
5	19	.642	.641	.627	.627
6	20	.638	.643	.629	.620
7	21	.388	.641	.365	.625
8	22	.439	.642	.356	.631
9	23	.429	.641	.355	.630
10	24	.392	.383	.367	.370
11	25	.402	.390	.368	.370
12	26	.637	.395	.621	.361
13	27	.629	.412	.614	.364
14	28	.638	.392	.628	.374



Wall Elev



Floor plan

Mod Rust Floors/Walls

Mod Rust accumulation on floor

1/16" pitting on floor NW, NE corners

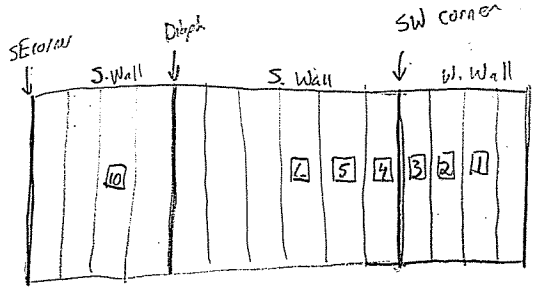
1/16" Pitting on wall NE corner near location 4 + 3

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC/CTY	4/8/08	13 of 19
		of

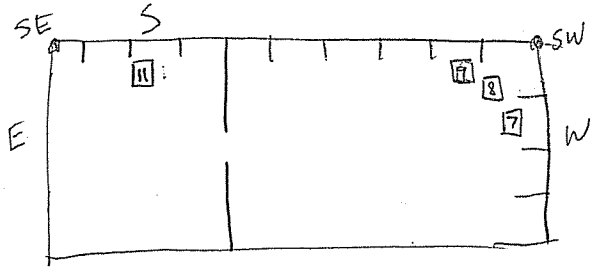
221
331

LOCATION - Tower 3 E leg. Tier 7 S. side

LOCATION	THICKNESS AFTER WIRE BRUSH	GRINDING
1	.641	.637
2	.642	.634
3	.588	.535
4	.397	.520
5	.634	.628
6	.634	.634
7	.524	.309
8	.328	.250
9	.368	.315
10	.642	.634
11	.400	.364



Elev



Plan

222
333

Mod Rust Floor/walls

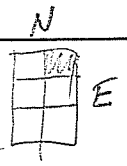
light accumulation rust SE floor, heavy accumulation SW floor

1/16-1/8" Pitting SW Floor + walls near corner 3, 4, 7 8 9

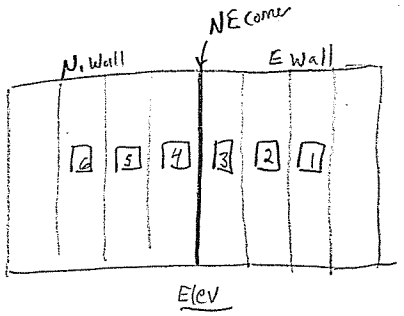
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: BKC/CTY	DATE: 4/8/08
	SHEET: 14 of 19
	of

LOCATION - Tower 3 Elev Tier 7

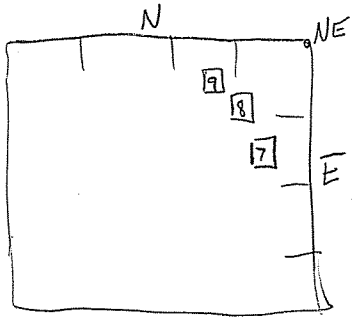
NE corner



LOCATION	THICKNESS AFTER WIRE BRUSH	GRINDING
1	.630	.626
2	.634	.628
3	.654	.628
4	.634	.620
5	.641	.628
6	.641	.628
7	.381	.309
8	.400	.304
9	.482	.316



Elev



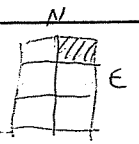
Plan

223
333

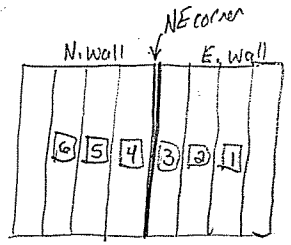
Mod Rust Floor/walls
Heavy accumulation on floor
Pitting in corner Floor & wall

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW:	DATE: / SHEET:
BKC/CTY	4/8/08 / 15 of 19
	of

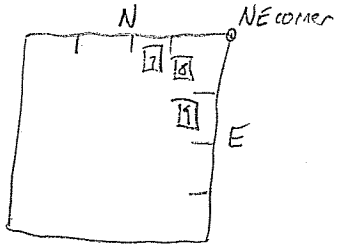
LOCATION - Tower 3 E. leg Tier II NE corner



LOCATION	THICKNESS AFTER WIRE BRUSH	GRINDING
1	.628	.629
2	.628	.621
3	.634	.621
4	.641	.621
5	.641	.628
6	.636	.628
7	.433	.355
8	.311	.303
9	.322	.344



Elev



Floor Plan

Mod. Rust Walls/Floor

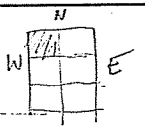
Mod – heavy rust accumulation on floor

1/16" pitting on floor near corner

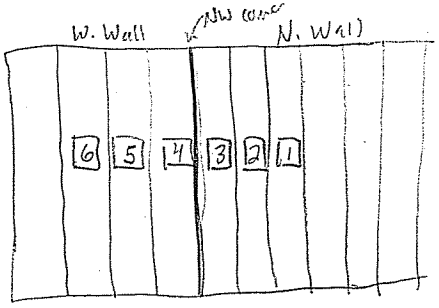
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC/BS/CTY/MJS	4/8/08	16 of 19
		of

224
333

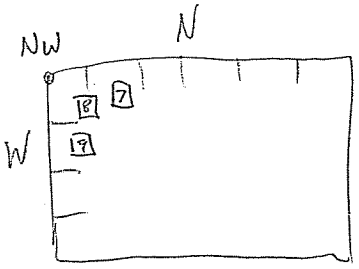
LOCATION - Tower 3 Elev Tier 11 NW corner



LOCATION	THICKNESS AFTER WIRE BRUSH	GRINDING
1	.623	.609
2	.626	.615
3	.628	.602
4	.597	.621
5	.648	.647
6	.647	.647
7	.329	.374
8	.394	.368
9	.327	.368



Elev



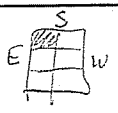
Plan

2.25
3.33

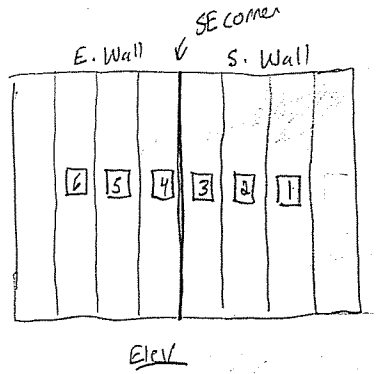
Mod Rust Wall / Floor
Mod accumulation of rust on floor
1/16" pitting on floor near corner + on wall @ corner

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW:	DATE: / SHEET:
BKC/CTY/BS/HJJ	4/3/08 / 17 of 19
	of

LOCATION - Tower 3 Eleg Tier II SE corner



LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
1	.631	.625
2	.634	.622
3	.666	.621
4	.641	.621
5	.632	.624
6	.629	.627
7	.397	.331
8	.387	.335
9	.389	.361



Mod Rust Floor/walls

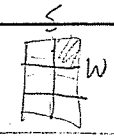
Mod Rust accumulation on floor

1/16" pitting on floor in corner

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
JOB: P710070019	
CREW: BKC/BS/CEY/MSJ	DATE: 4/8/08
	SHEET: 18 of 19
	of

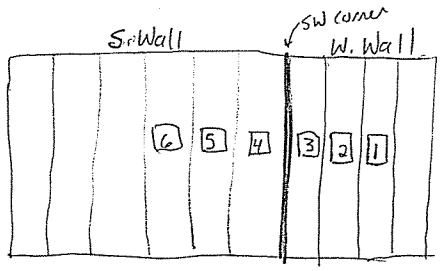
926
333

LOCATION - Tower 3 E. leg Tier 11 SW corner

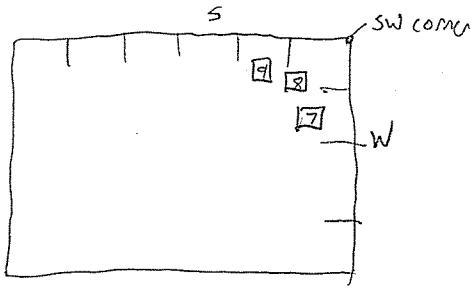


THICKNESS AFTER

LOCATION	WIRE BRUSH	GRINDING
1	.634	.628
2	.634	.628
3	.647	.634
4	.628	.617
5	.628	.622
6	.621	.621
7	.361	.370
8	.309	.355
9	.394	.383



Elevation



Floor Plan

Mod Rust Walls / Floor

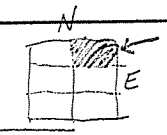
Mod accumulation on floor

1/16" pitting floor / wall in corner

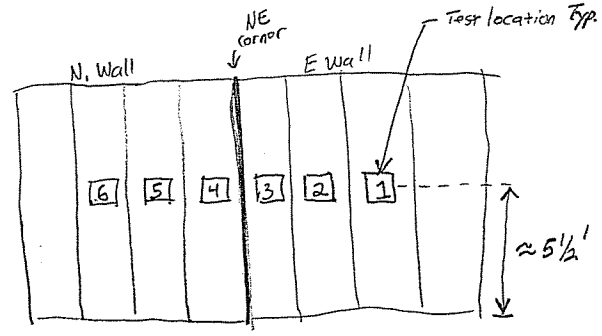
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC/CTY/BS/MJJ	4/8/08	19 of 19
		of

224
333

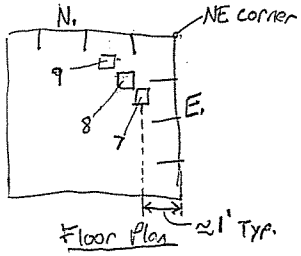
LOCATION - Tier 9 NE corner Tower 2



LOCATION	THICKNESS AFTER WIRE BRUSH	THICKNESS AFTER GRINDING
1	.633	.624
2	.637	.620
3	.642	.624
4	.658	.624
5	.642	.624
6	.651	.630
7	(1)	.338
8	(1)	.327
9	(1)	.338



Elevation



Floor Plan

Diaphragm/wall thickness caliper reading 3/8"

Typ. Pitting in NE corner on floor

(1) 1/16" Heavy Pitting, unable to take D-Meter reading

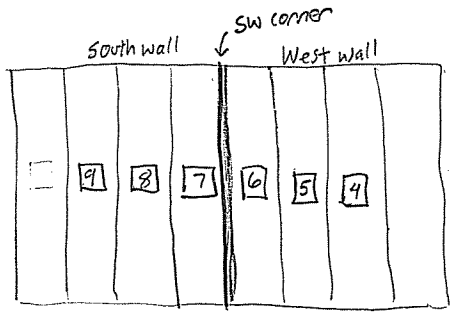
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC/BS/CTY	4/7/08	1 of 2
		of

228
333

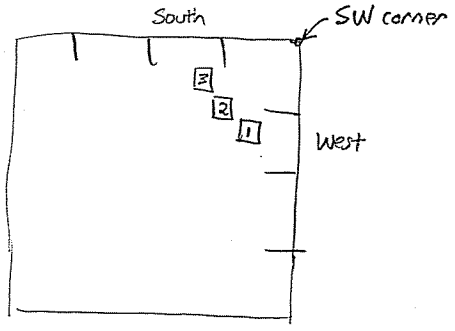
LOCATION - TIER 9 SW corner

LOCATION	THICKNESS AFTER WIRE BRUSH	GRINDING
1	.393	.373
2	.386	.370
3	.390	.379
4	.643	.624
5	.637	.624
6	.637	.624
7	.617	.591
8	.649	.598
9	.656	.613

229
333



Wall Elevation



Floor PLAN

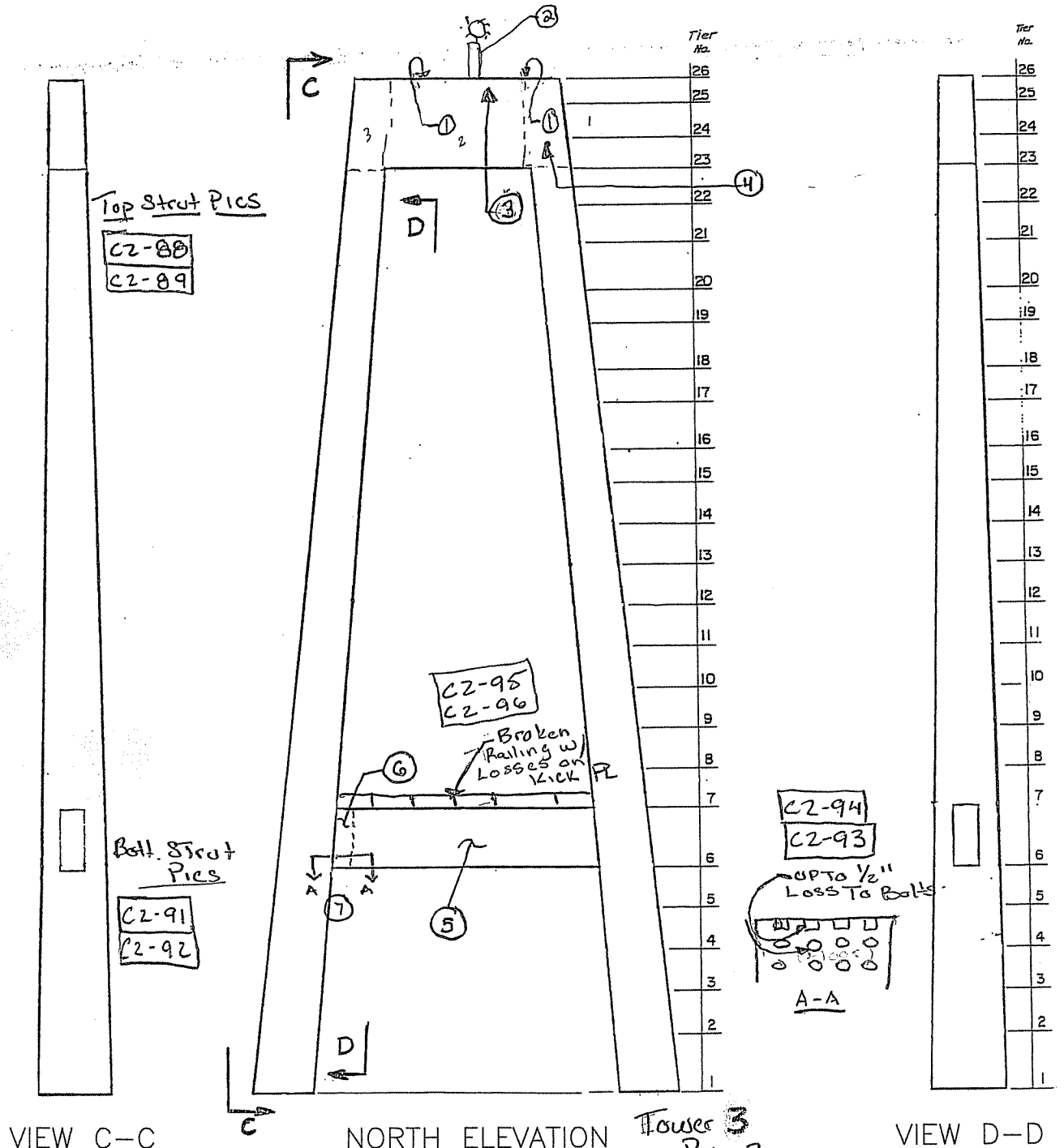
CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

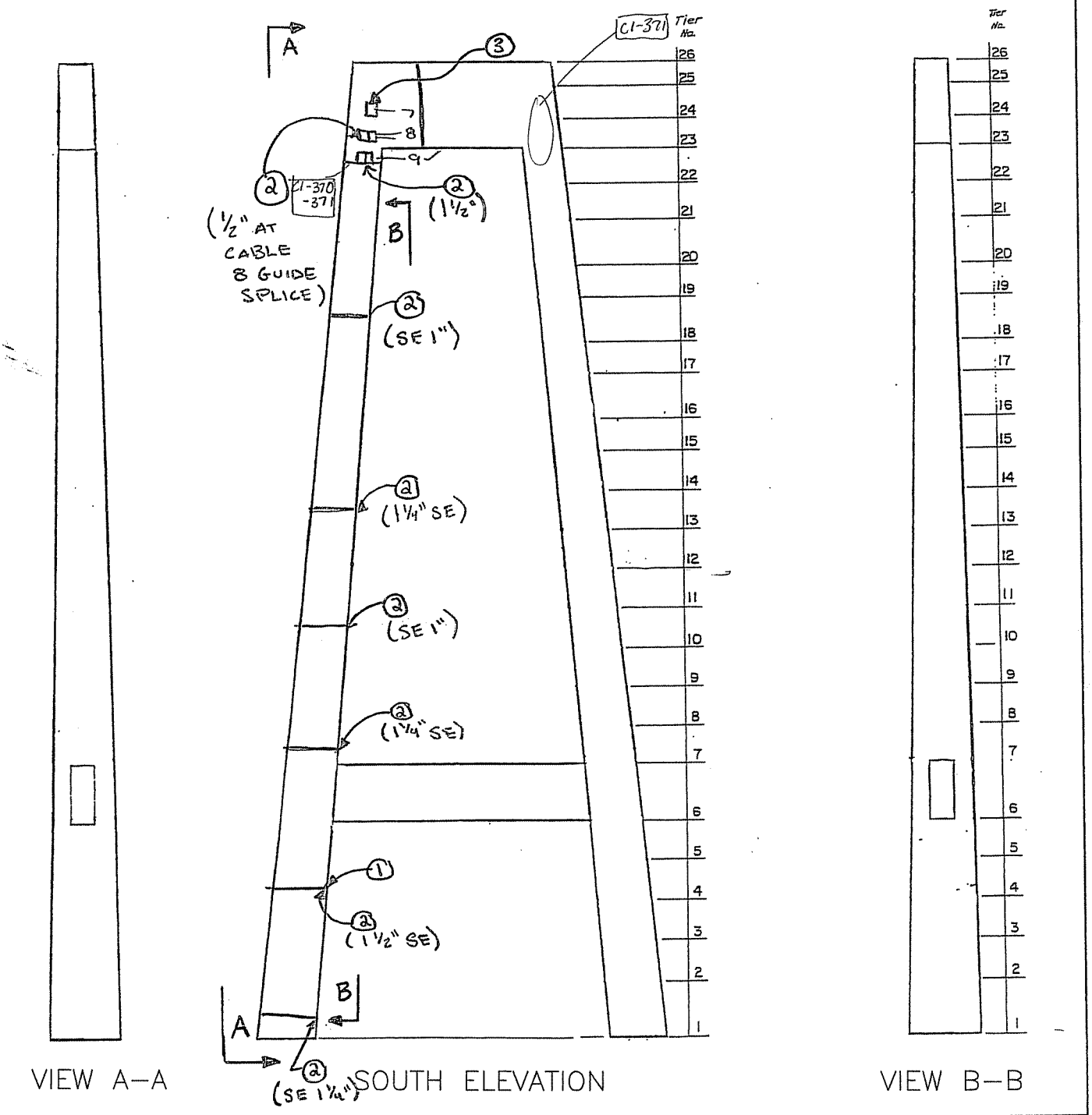
NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
BKS/BS/CTY	4/7/08	2 of 2
		of



(1) 100's Losses to Hatch Kick Pl w/ T.R. Around Perimiter C2-86	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
(2) Navigation Light Working w/ Broken Lock & Broken glass C2-87	NOTES BY:	TranSystems
(3) W-Section w/ open Bolt Holes	TOWER 3	
(4) EFFlo on Splice Bolts /@ Corners in Bay 1	JOB: P710070019	
(5) Lights Not Illuminated on Bottom C2-90	CREW: CRS/MJS	DATE: 3/6
(6) Heavy Rust on Chamber 1 Floor – Strut Splice Plates		SHEET: 8 of 9
(7) Section A-A up to 1/2" Loss on Bolts		of



VIEW A–A

SOUTH ELEVATION

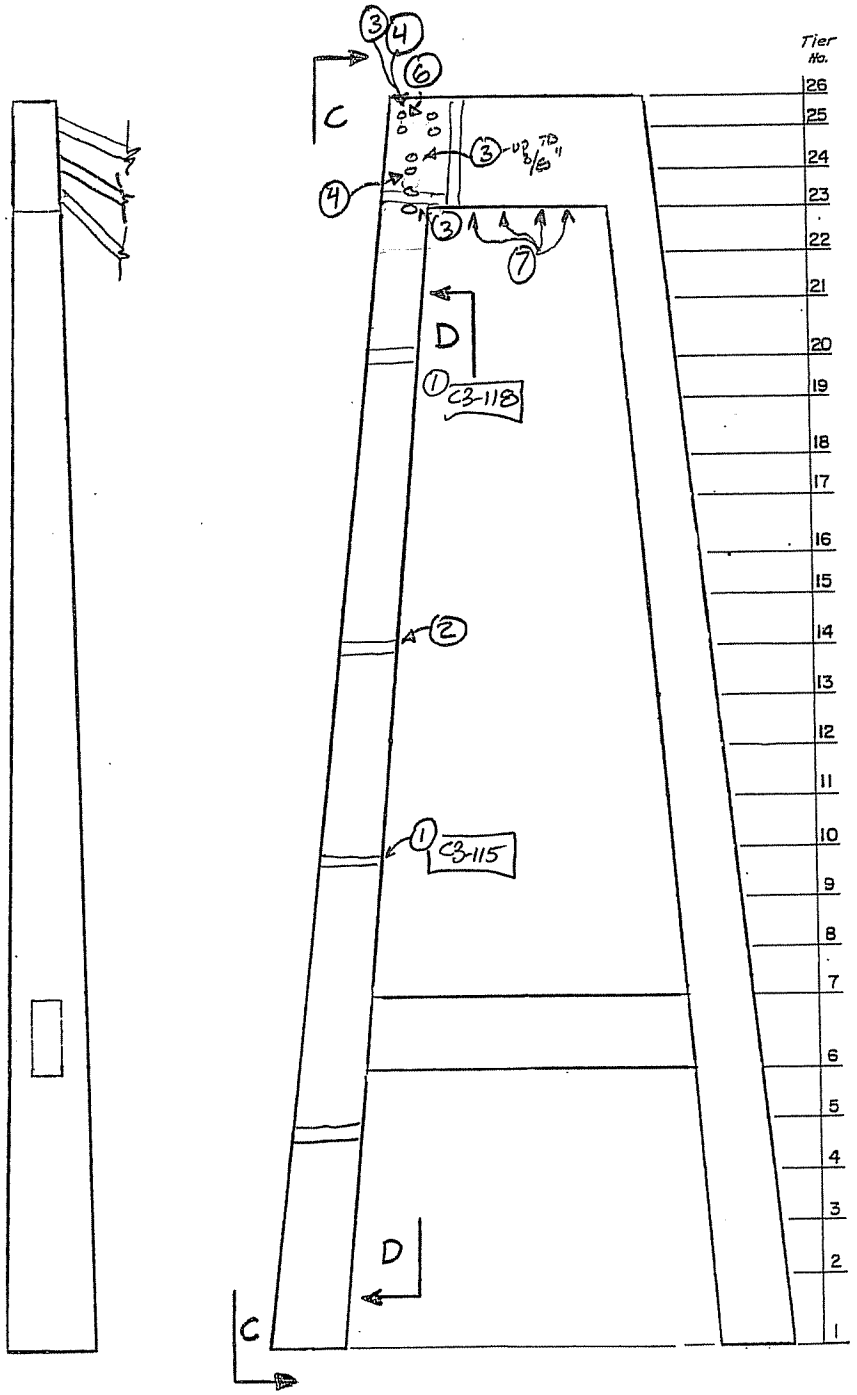
VIEW B–B

① TOWER SPLICE (TYPICAL)

② IMPACTED RUST (# ") (TYPICAL)

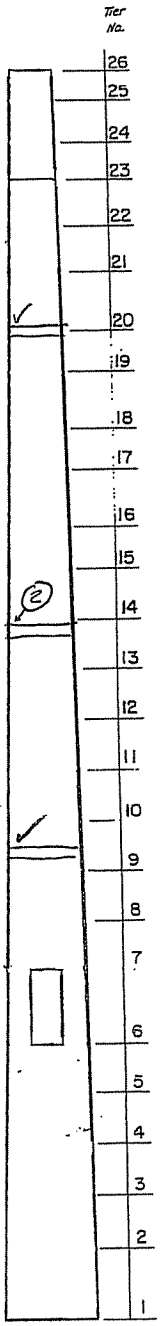
③ 3/4" I.R. AT TOP CABLE & GUIDE PLATE CI-375

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOWER 3		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/WEW/CTY	3/21/08	of
		of



VIEW C–C

NORTH ELEVATION



VIEW D–D

(1) 3/4" I.R. @ SPLICE PLATE @ N.E. CORNER ON NORTH FACE C3-115

(2) 7/8" I.R. @ SPLICE PLATE @ N.E. CORNER ON NORTH FACE C3-116

(3) UP TO 1/4" I.R. @ SPLICE PLATE ON EAST FACE C3-117

(3) UP TO 3/16" I.R. AROUND CABLE GUIDE C3-119 (TYP)

(4) MISSING PIGEON SCREEN @ CABLE GUIDE

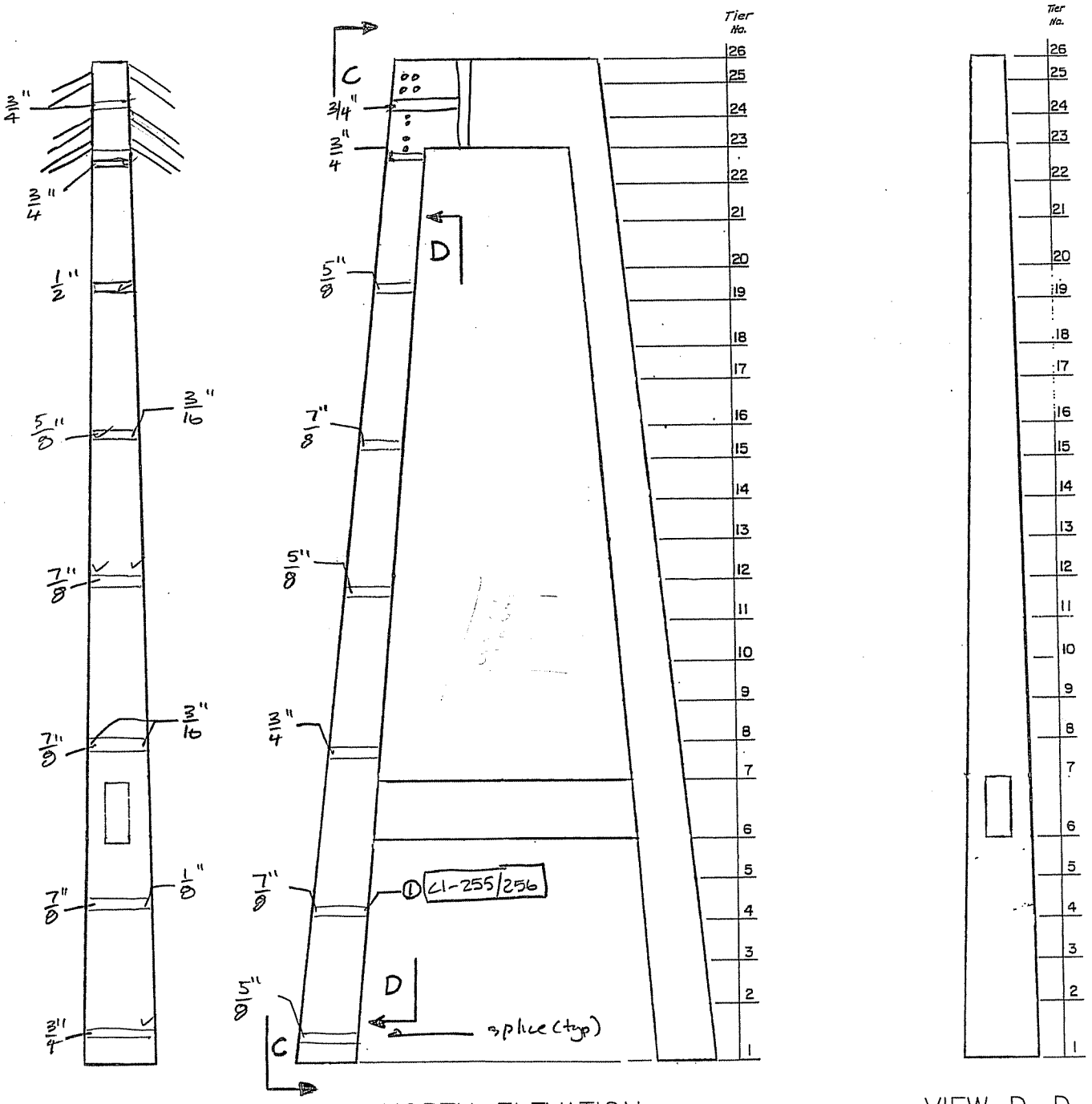
(5) MISSING BOLT @ CABLE GUIDE

(6) 1/8" GAP / MISSING BOLT @ EAST/UPPER CABLE GUIDE

(7) TYPICAL FLAKING RUST NEAR / AROUND WEEP HOLES IN UNDERSIDE OF UPPER STRUT.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
TOWER 3	
JOB: P710070019	

CREW:	DATE:	SHEET:
CRS/SWB	3/10/08	1 of 1
		of



VIEW C–C NORTH ELEVATION VIEW D–D

① IMPACTED RUST (1") THICK BY 4" AT EDGE OF SPLICE PLATE

ALL MEASUREMENTS INDICATE THICKNESS OF 1.2. AT EDGE OF SPLICE PLATE. IMPACTED RUST EXTENDS FROM EDGE OF PLATE TO FIRST COLUMN OF BOLTS.

CTLGroup

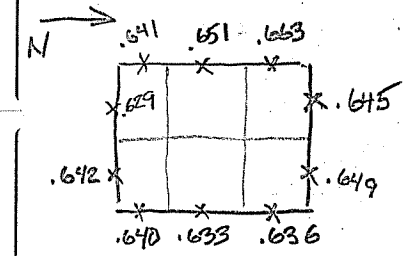
Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

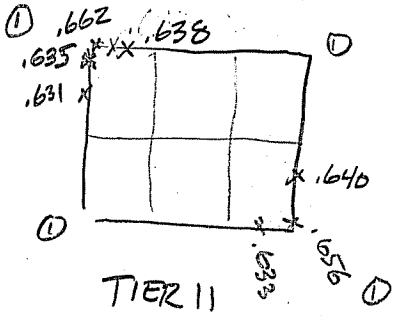
TOWER 3

JOB: P710070019

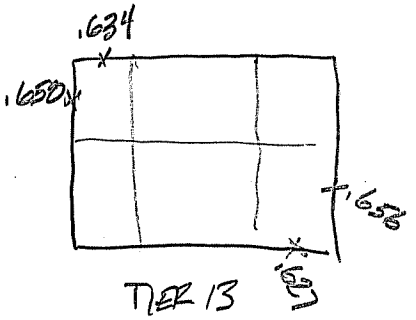
CREW:	DATE:	SHEET:
MW/SWB	3/11/08	1 of 2
		of



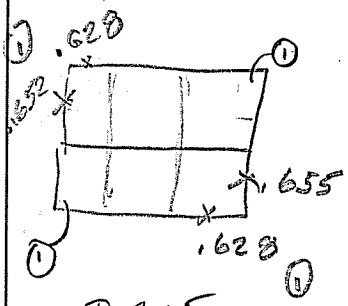
TIER 9



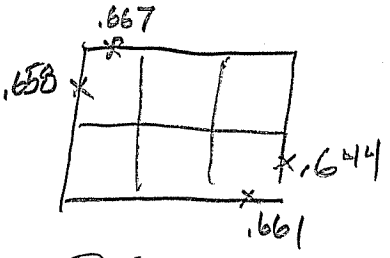
TIER 11



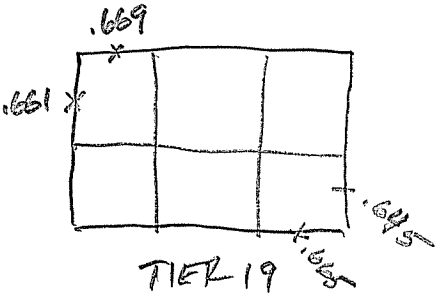
TIER 13



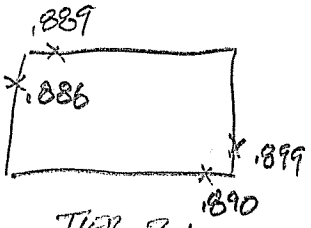
TIER 15



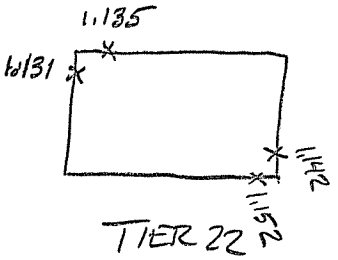
TIER 17



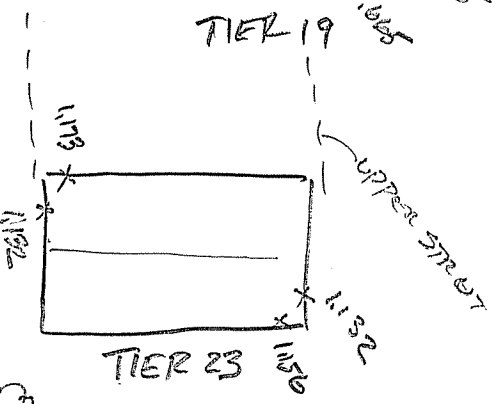
TIER 19



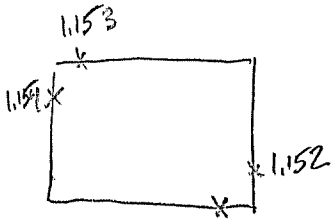
TIER 21



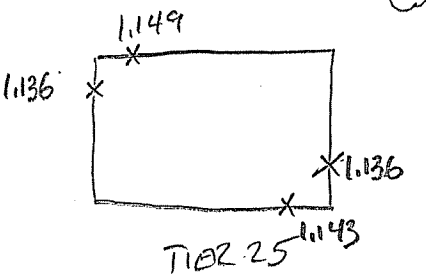
TIER 22



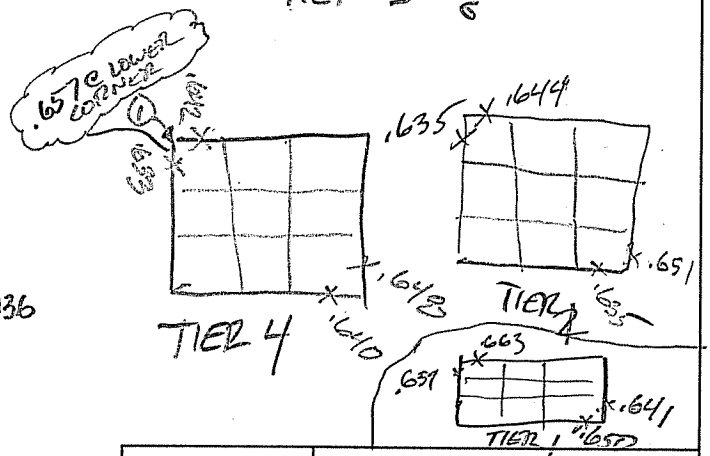
TIER 23



TIER 24



TIER 25

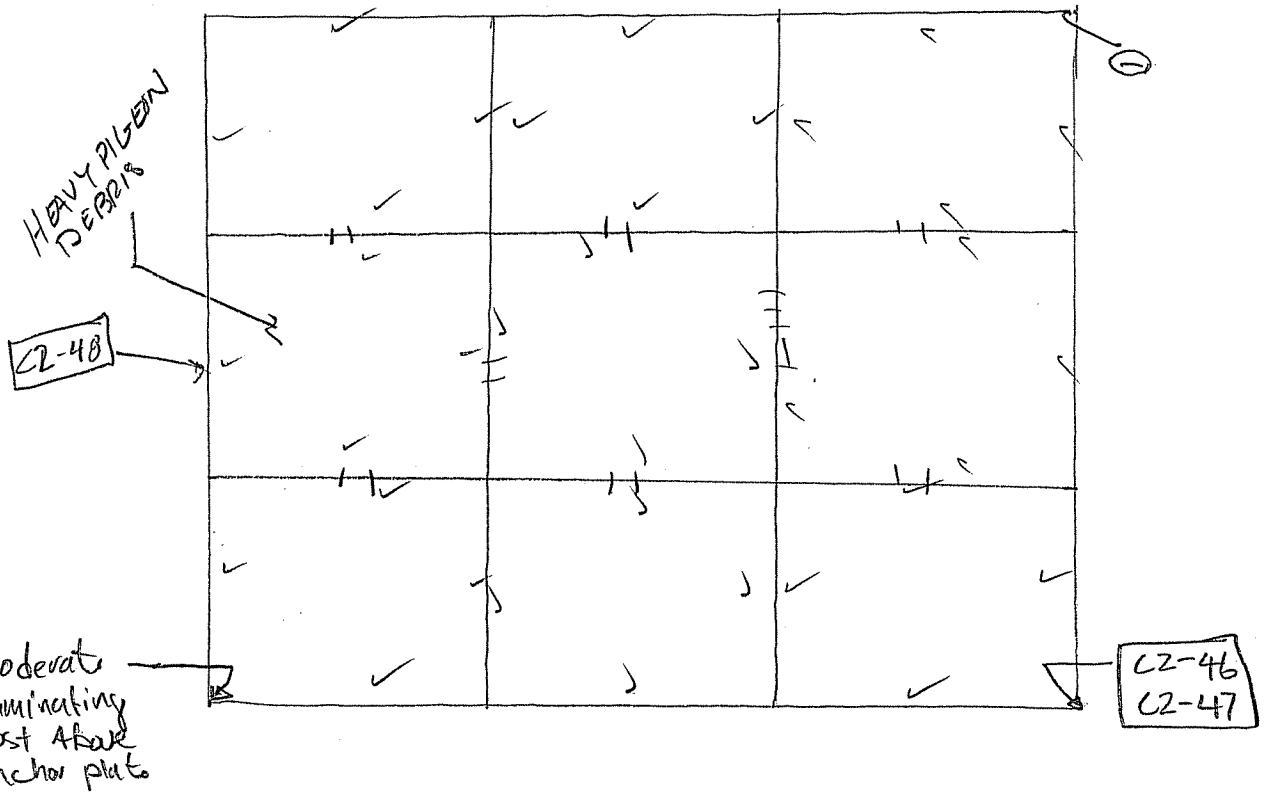


TIER 4

TIER 1

① LEAKAGE @ CORNER FROM SPLICE

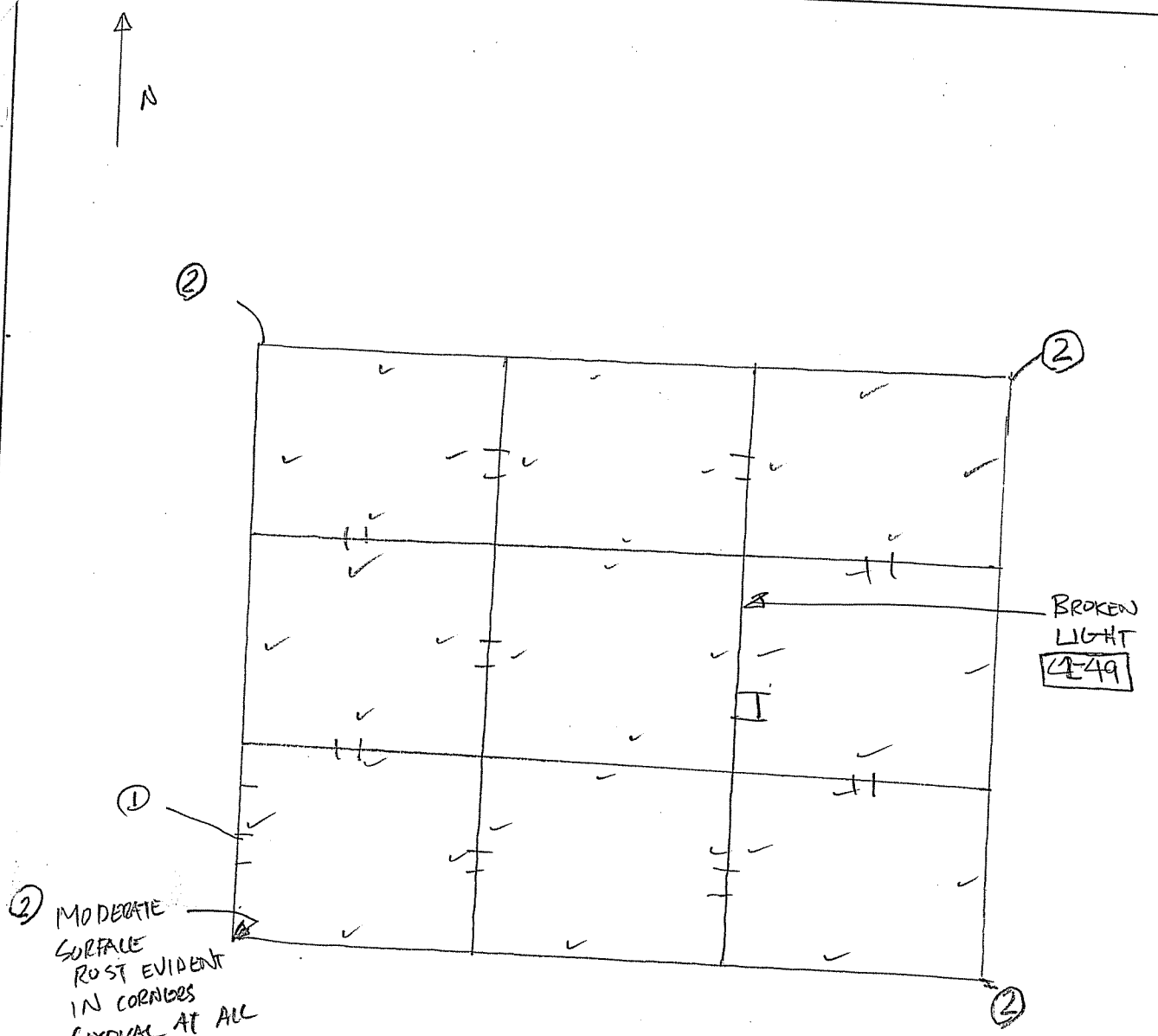
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
TOWER 3 - EAST LEG DMETER		
JOB: P710070019		
CREW:	DATE:	SHEET:
SWD/PGN/CTY	3/14/08	2 of 3
		of



PIER 3
E COLUMN
TIER 1

① Evidence of water intrusion at splice plate

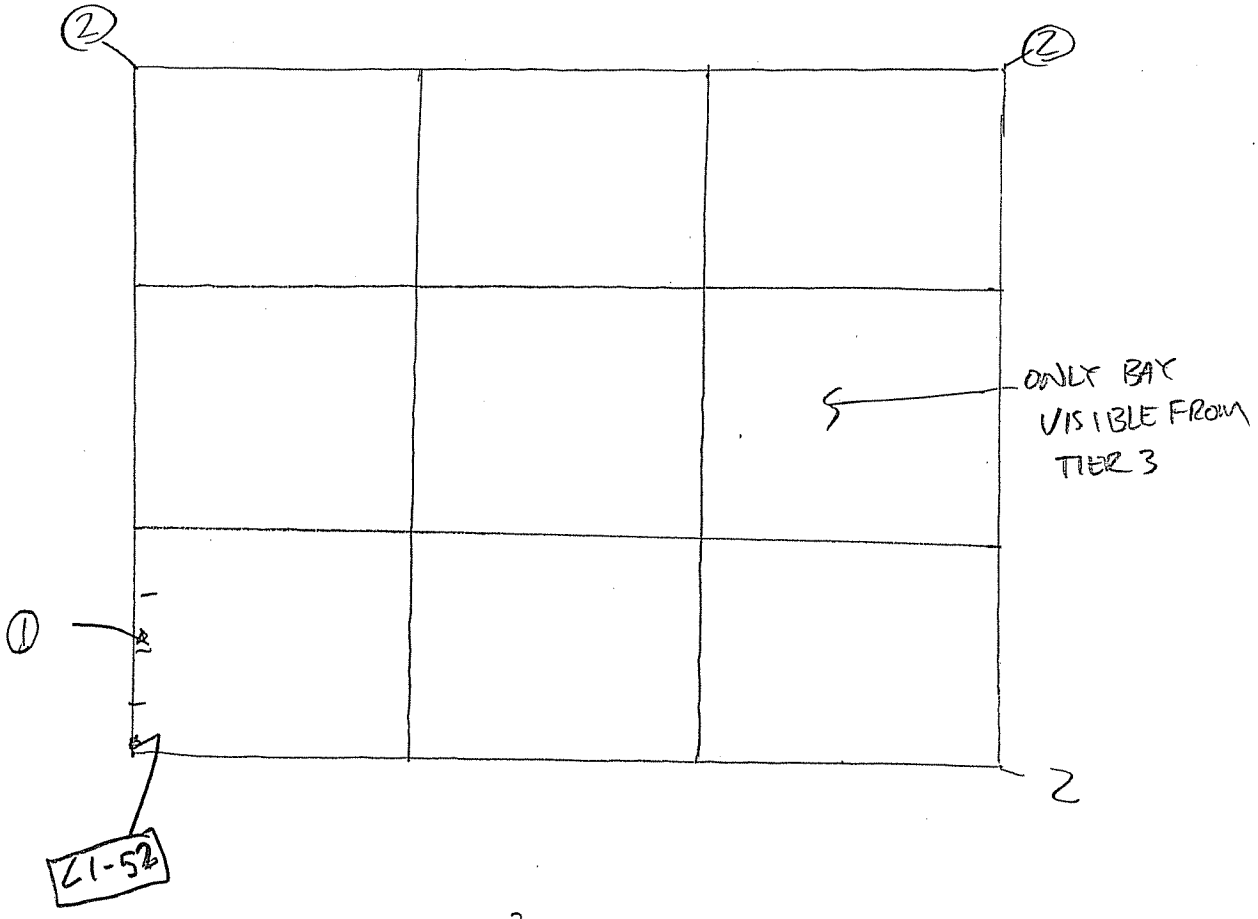
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJ/CRS	3/5/08	1 of 21
		of



PIER 3
E COLUMN
TIER 2

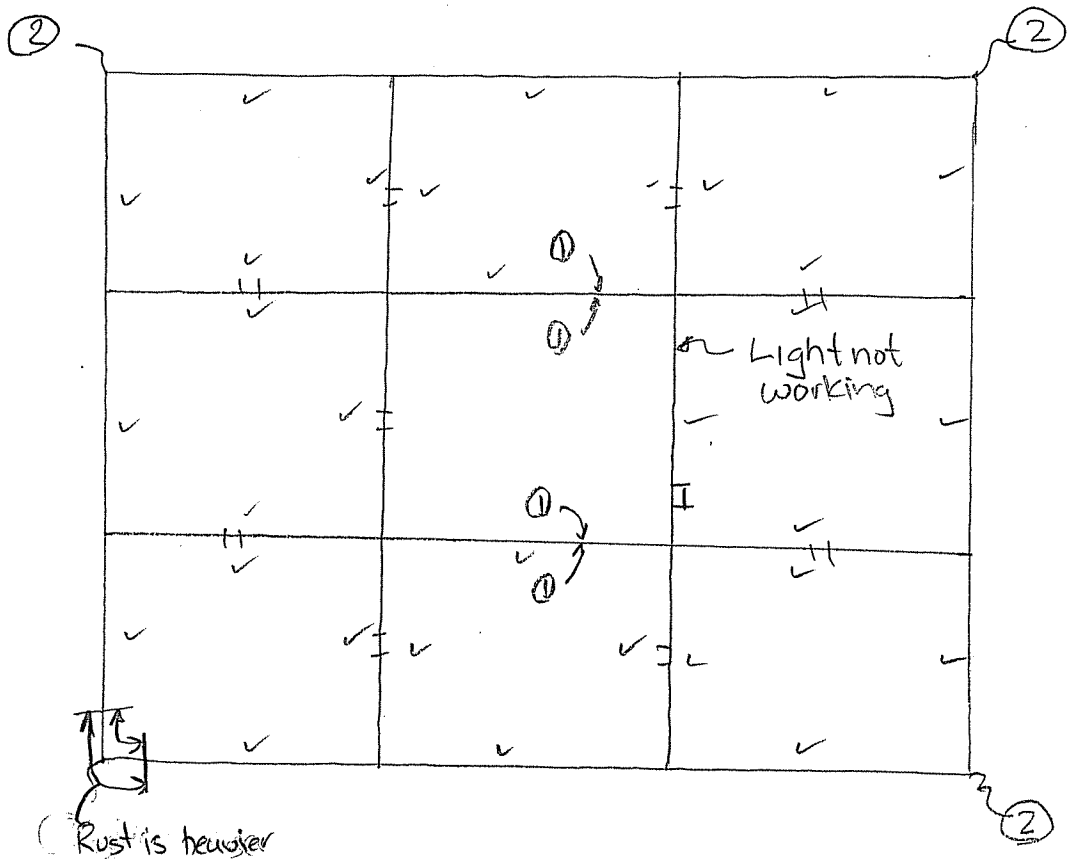
① MODERATE RUST LENGTH OF VERTICAL STIFFENERS

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJ/CRS	3/5/08	2 of 21
		of



PIER 3
E COLUMN
TIER 3

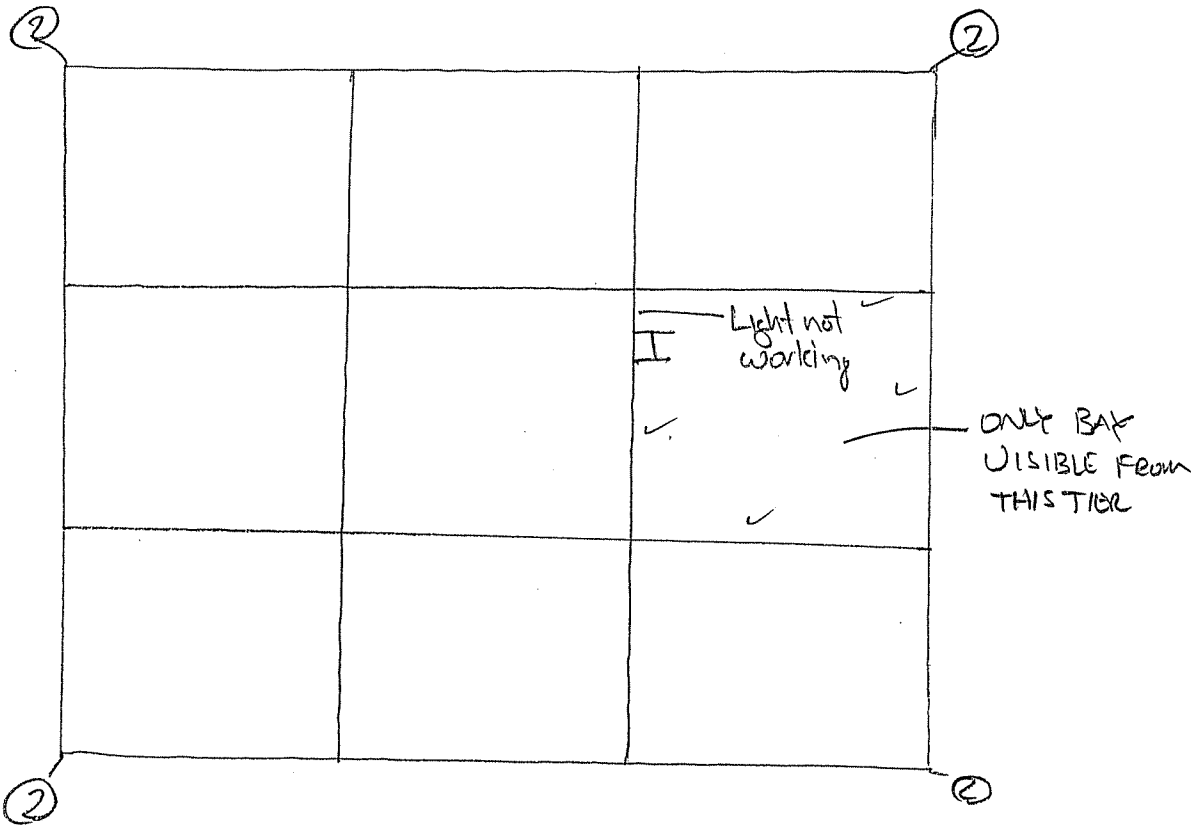
	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
(2) MODERATE RUST AT CORNERS	NOTES BY:	TranSystems
	JOB: P710070019	
	CREW: MJ/CRS	DATE: 3/5/08
		SHEET: 3 of 21
		of



PIER 3
E COLUMN
TIER 4

① SPLICE plates welded to wall below actual splice

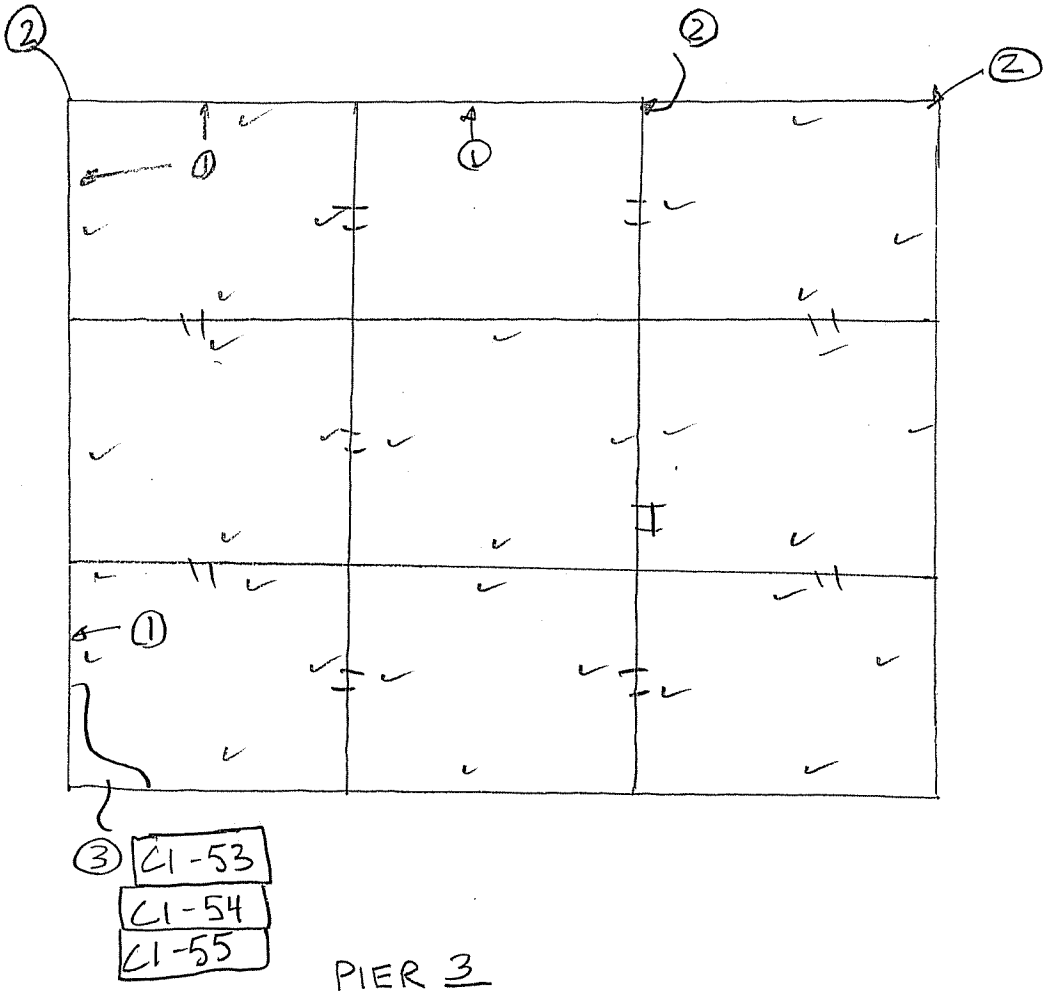
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJ/CRS	3/5/08	4 of 21
		of



PIER B
E COLUMN
TIER 5

② Typical rust at corners

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJJ/CRS	3/5/09	5 of 21
		of

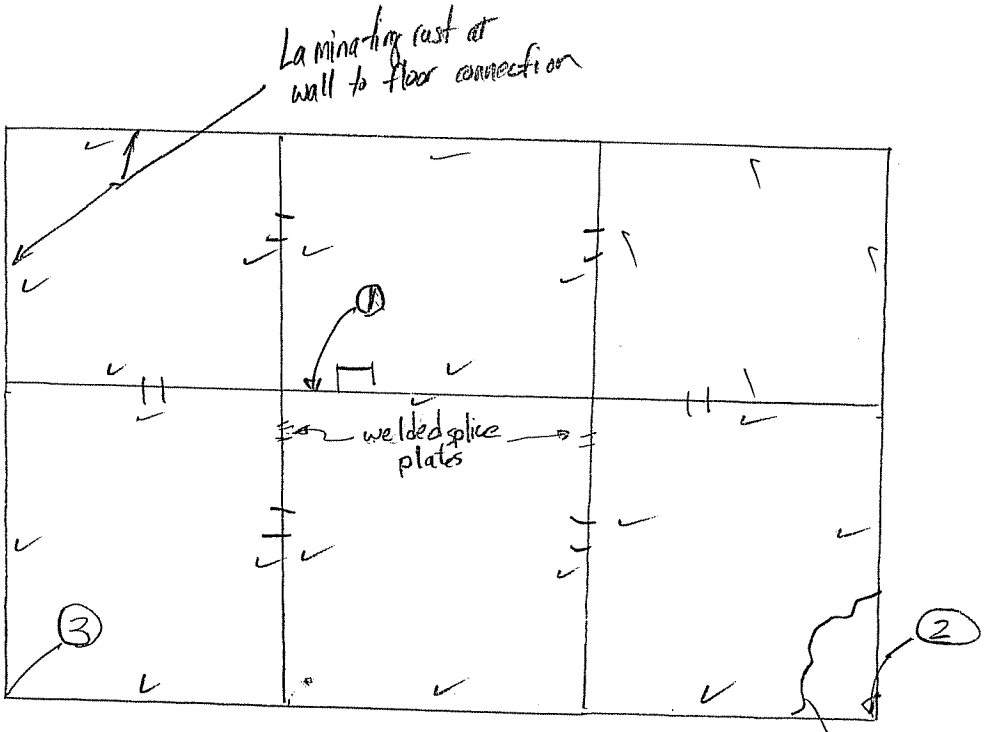


PIER 3
E COLUMN
TIER 6

① Extensive surface rust over entire wall, no pitting observed.

③ Heavy rust accumulation on floor, evidence of water infiltration at corner. Laminating rust on stiffeners in area.

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: Tran Systems	
JOB: P710070019	
CREW: MJS/CRS	DATE: 3/5/08
	SHEET: 6 of 21
	of



Moisture accumulation at floor
Heavy rust laminations along corner.
Heavy debris at floor/corner
C2-57
C2-58

PIER 3
E COLUMN
TIER 1

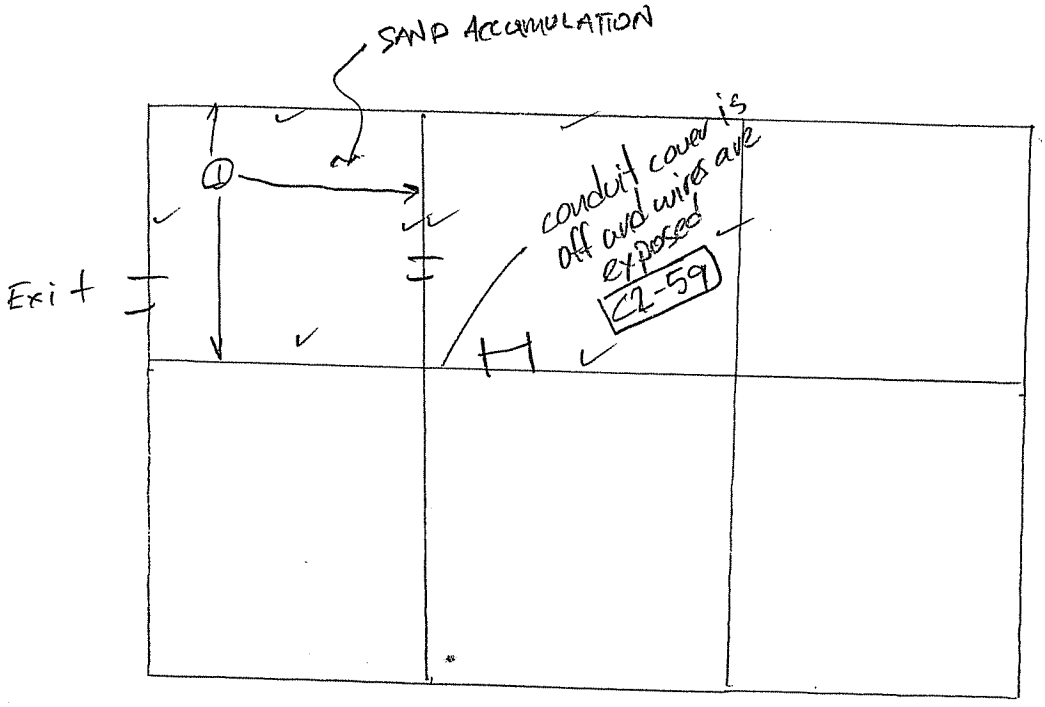
NORTH

(1) No safety Glass over light, cover missing from junction box also

(2) 1/8" pitting on Exterior walls, section loss (1/8") on the stiffener

(3) Moderate debris accumulation, evidence of moisture at corner

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
MJJ/CRS	3/5/08	7 of 21
		of

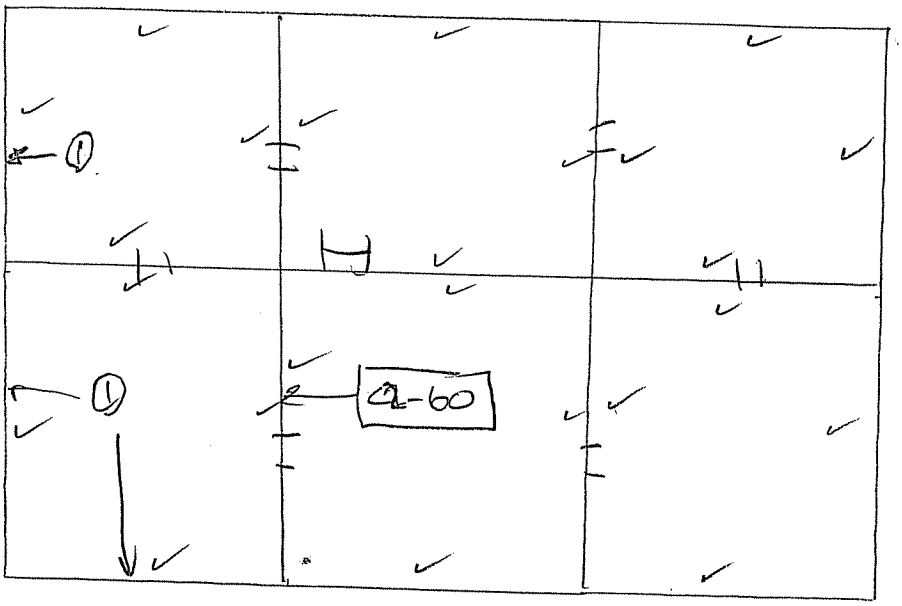


PIER 3
E COLUMN
TIER 8

NORTH

① Rust lamination along floor to wall connection

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
MJJ/CRS	3/5/08	8 of 21
		of

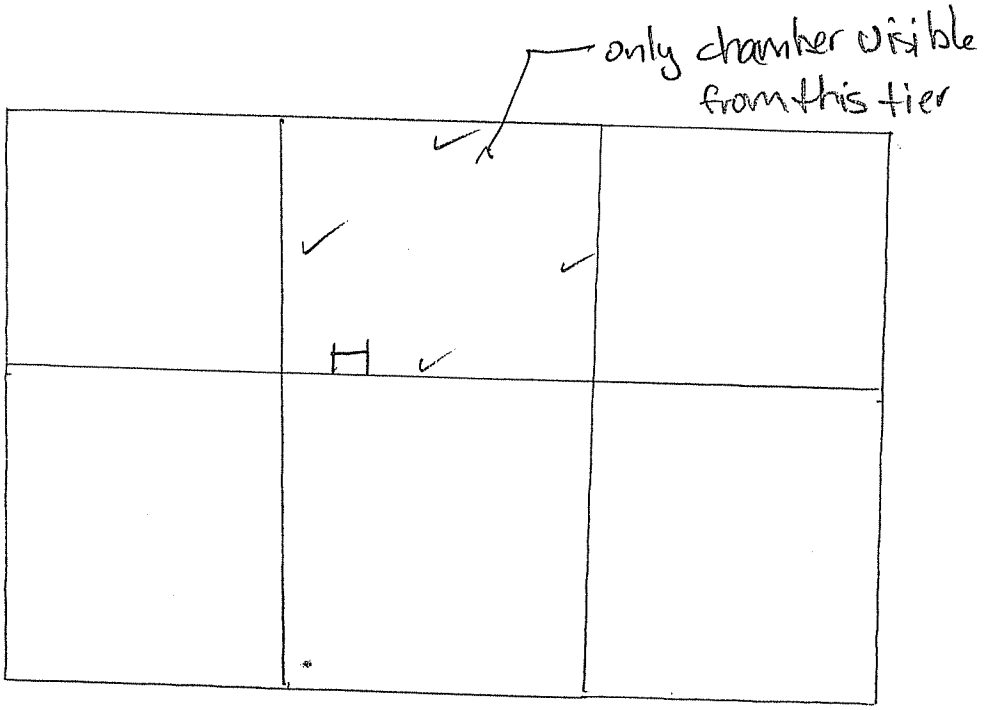


PIER 3
E COLUMN
TIER 9

NORTH

① Extensive surface rust over entire exterior wall, no pitting observed.

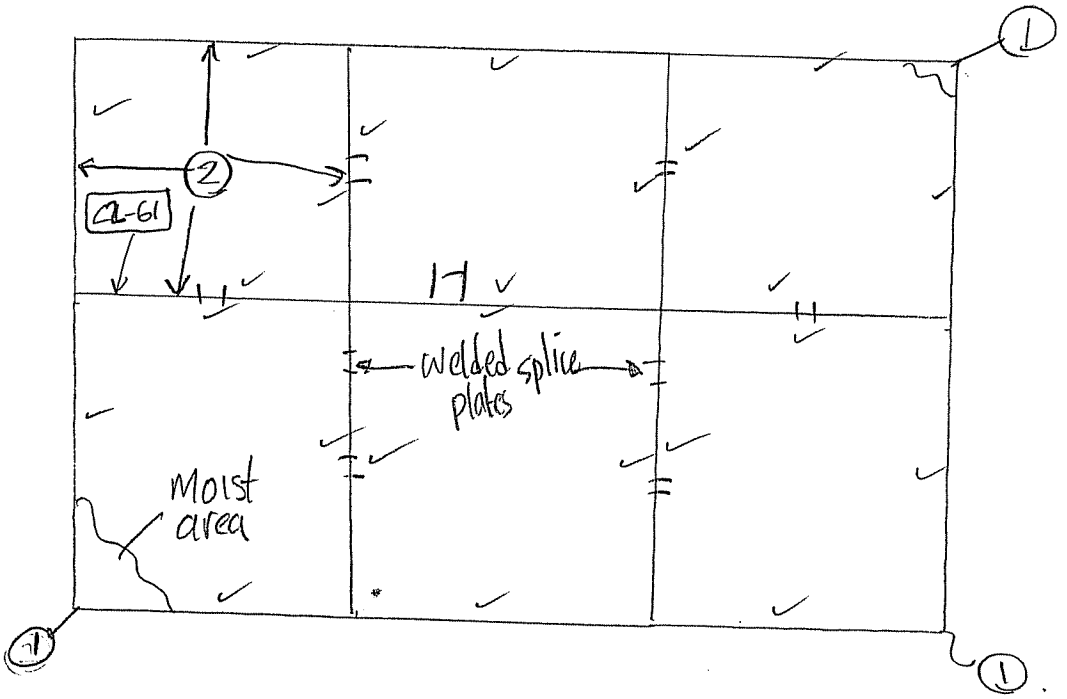
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
JOB: P710070019		
CREW:	DATE:	SHEET:
MJJ | CRS	3|5|08	9 of 21
		of



PIER 3
E COLUMN
TIER 10

NORTH

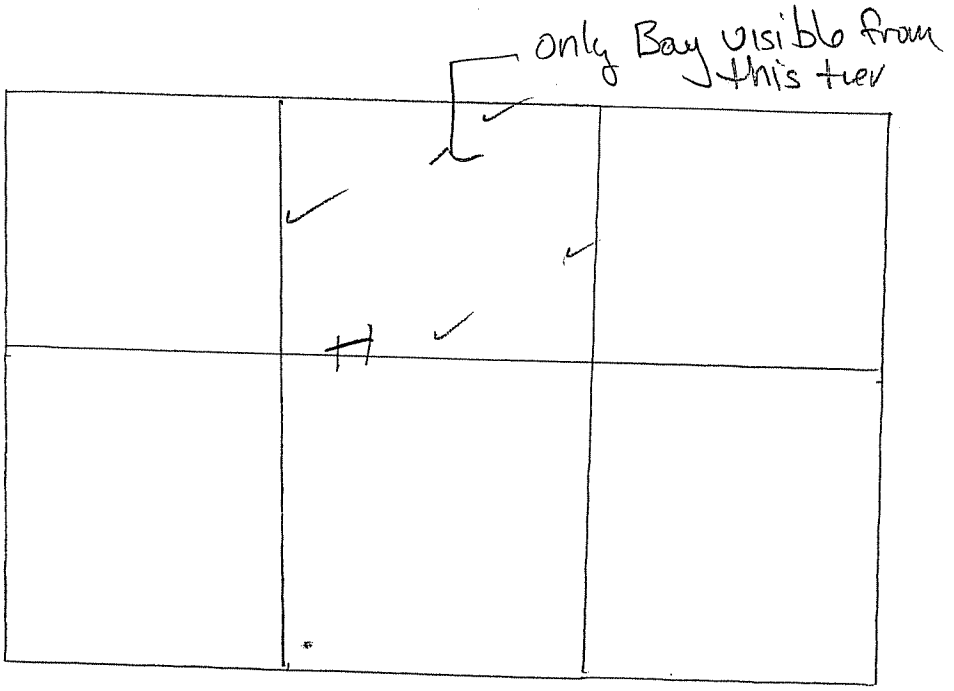
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJJ/BCRS	3/5/08	10 of 21
		of



PIER 3
E COLUMN
TIER II

NORTH

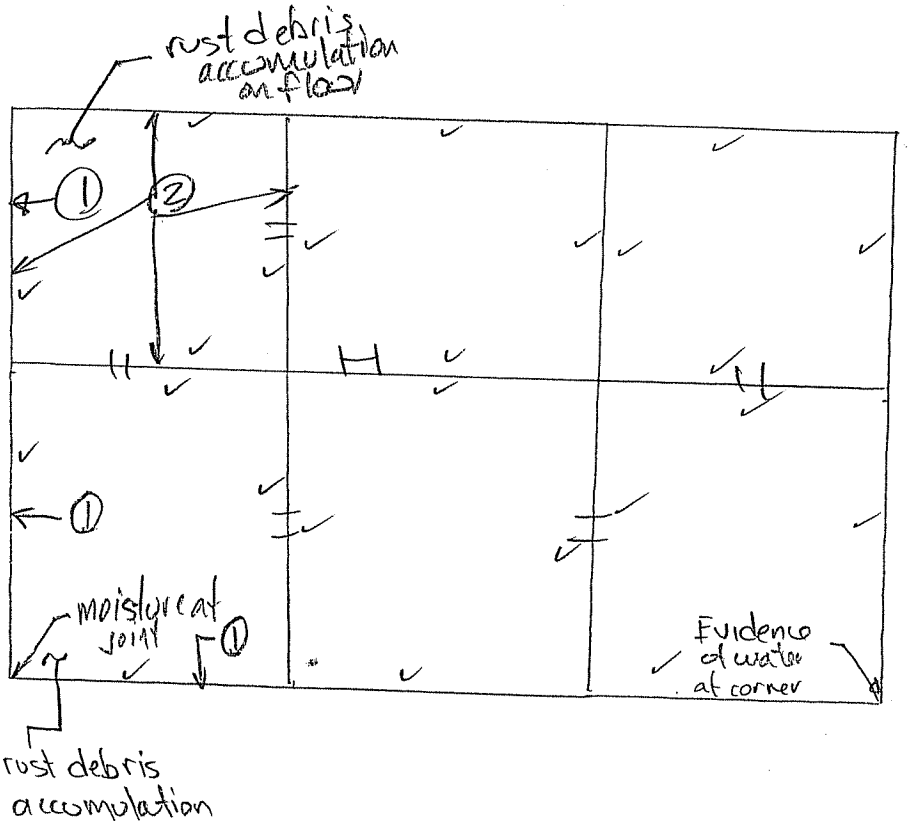
① Water infiltration at splice plate, minor rust debris accumulation on floor	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
	NOTES BY:	TranSystems
② Rust laminations at floor to wall connections		
	JOB: P710070019	
	CREW: NJJ | CRS	DATE: 3|5|08
		SHEET: 11 of 21
		of



PIER 3
E COLUMN
TIER 12

NORTH

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJS/CRS	3/5/08	12 of 21
		of

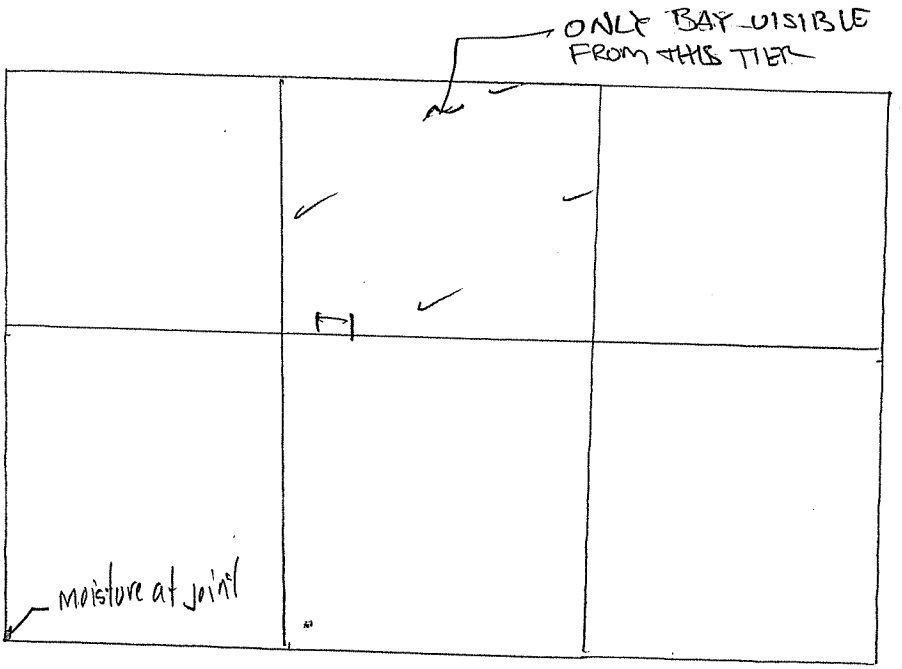


PIER 3
E COLUMN
TIER 13

NORTH

① Extensive surface rust on entire wall, no pitting observed
② Minor rust lamination at floor to wall connections

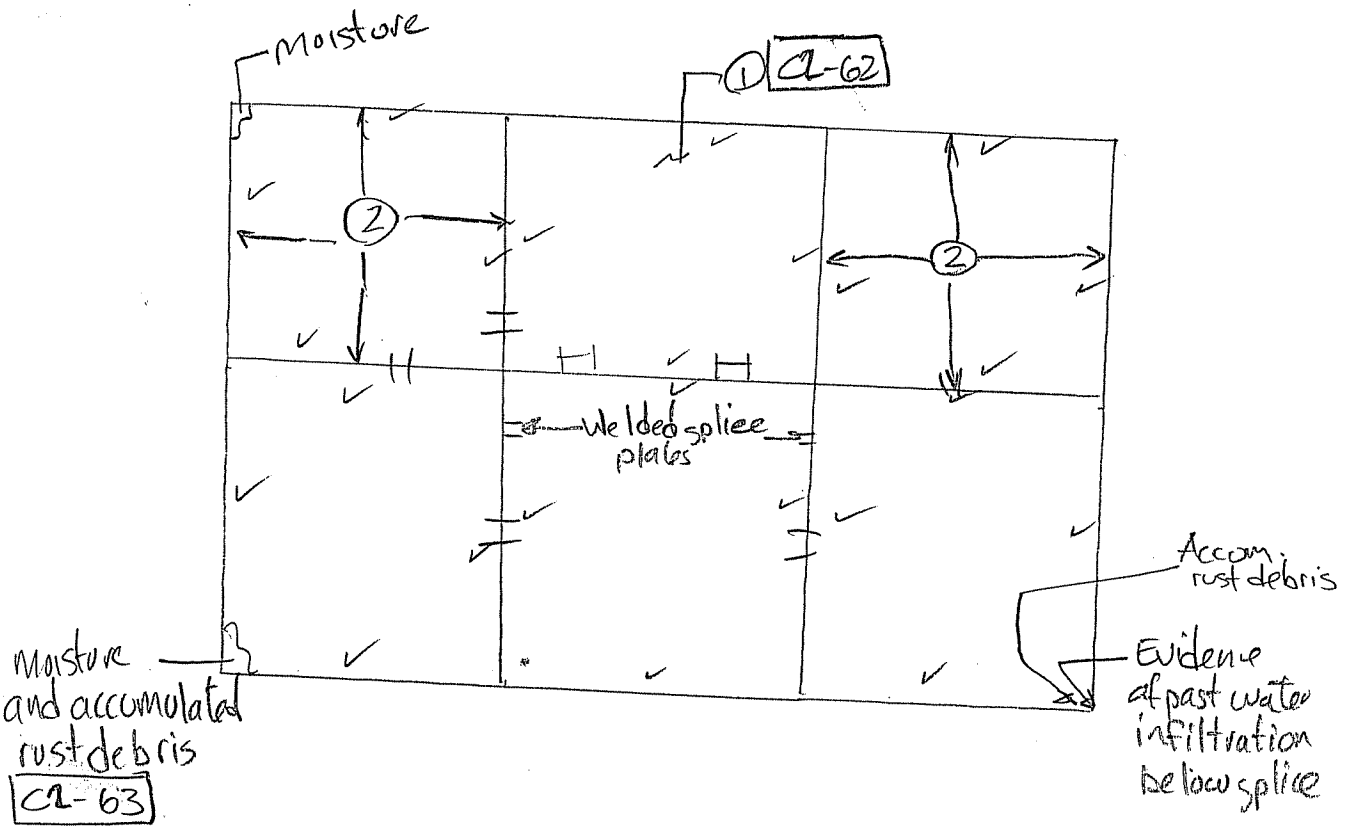
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
MSJ/CBS	3/5/08	13 of 21
		of



PIER 3
E COLUMN
TIER 14

NORTH

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJJ/CBS	3/5/08	14 of 21
		of



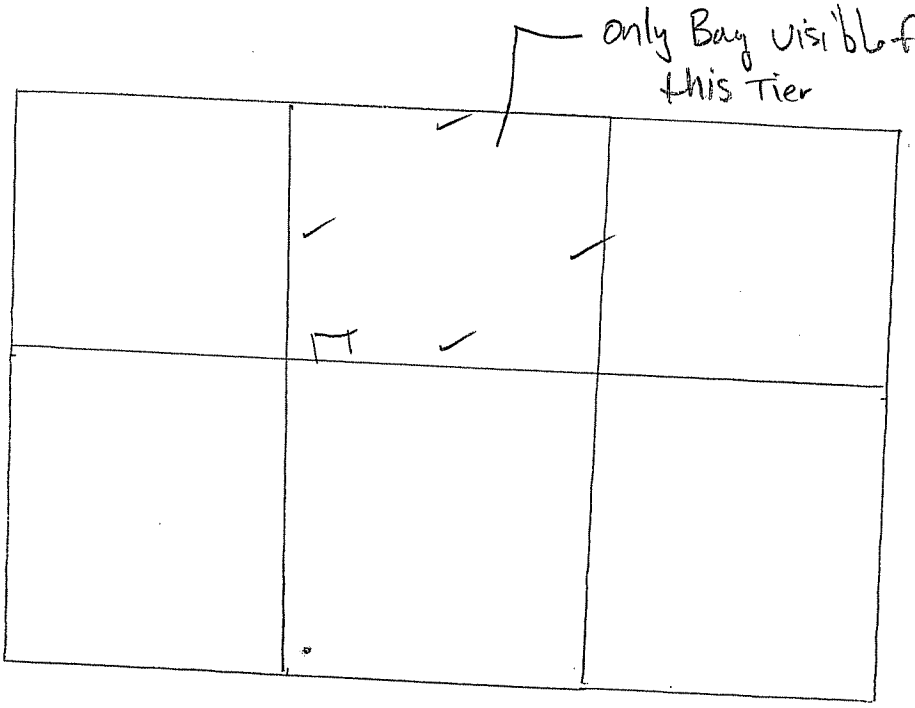
PIER 3
E COLUMN
TIER 15

NORTH

① Rust on Ceiling of Bay, Minor laminations

② Rust lamination at floor to wall connection

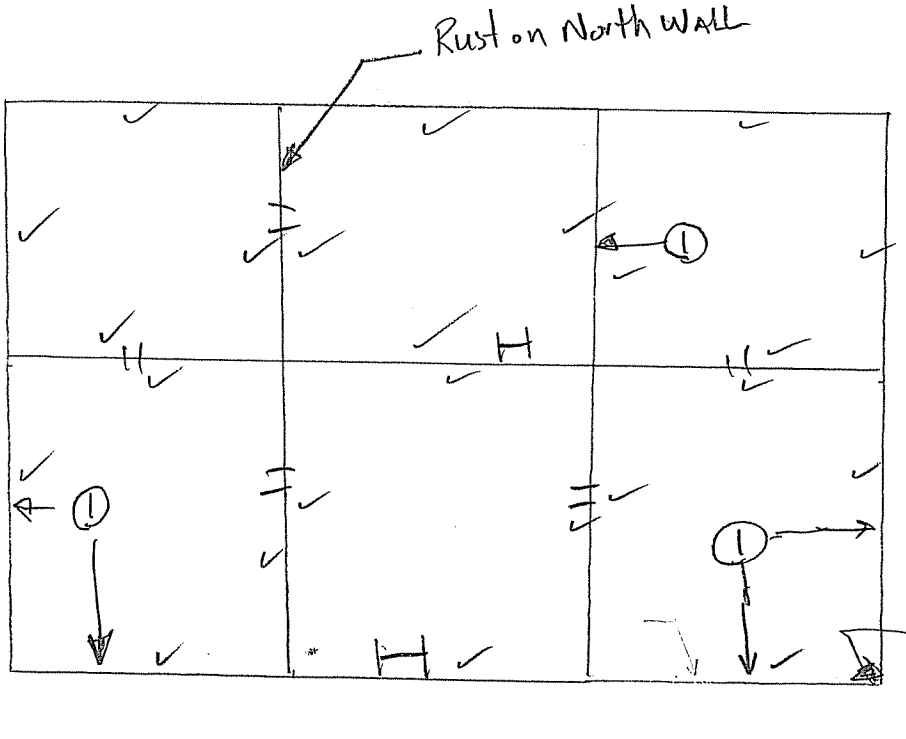
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MSS/CRS	3/5/08	15 of 21
		of



PIER 3
E COLUMN
TIER 16

NORTH

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MSS ICES	3/5/08	16 of 21
		of



PIER 3

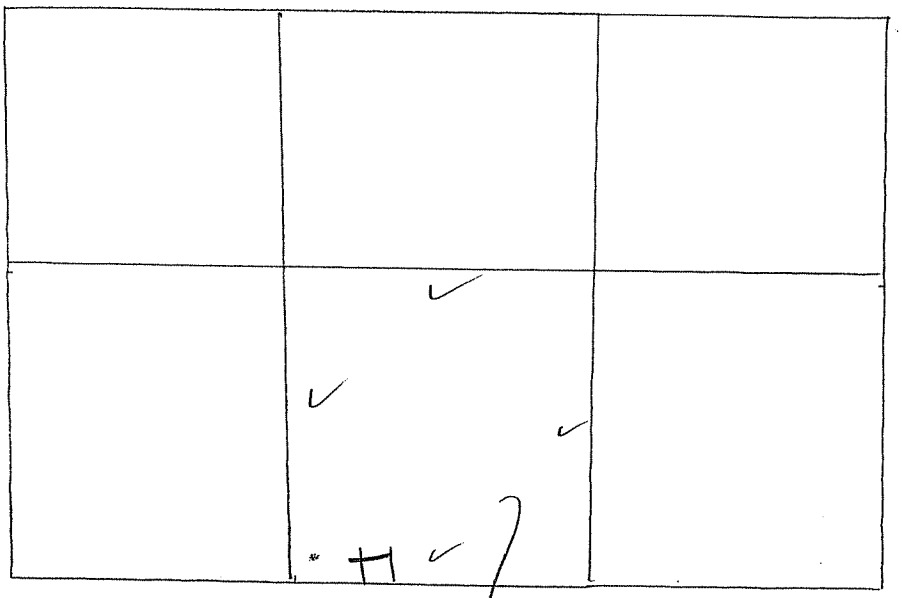
E COLUMN

TIER 17

NORTH

① Extensive surface rust on wall, no pitting observed

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
MJS/CRS	3/5/08	17 of 21
		of

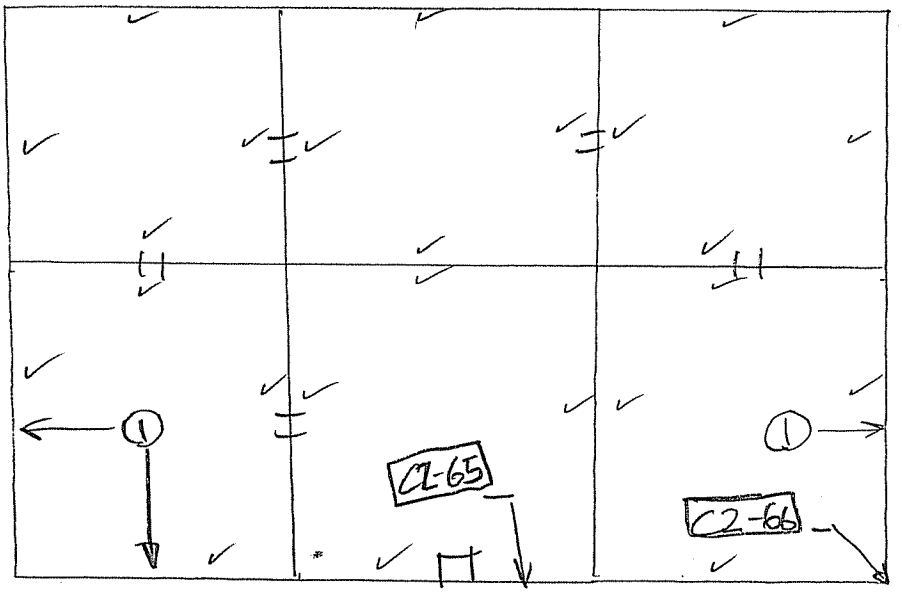


ONLY BAY VISIBLE FROM THIS TIER

PIER 3
E COLUMN
TIER 18

NORTH

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJJ/CRS	3/5/08	18 of 21
		of

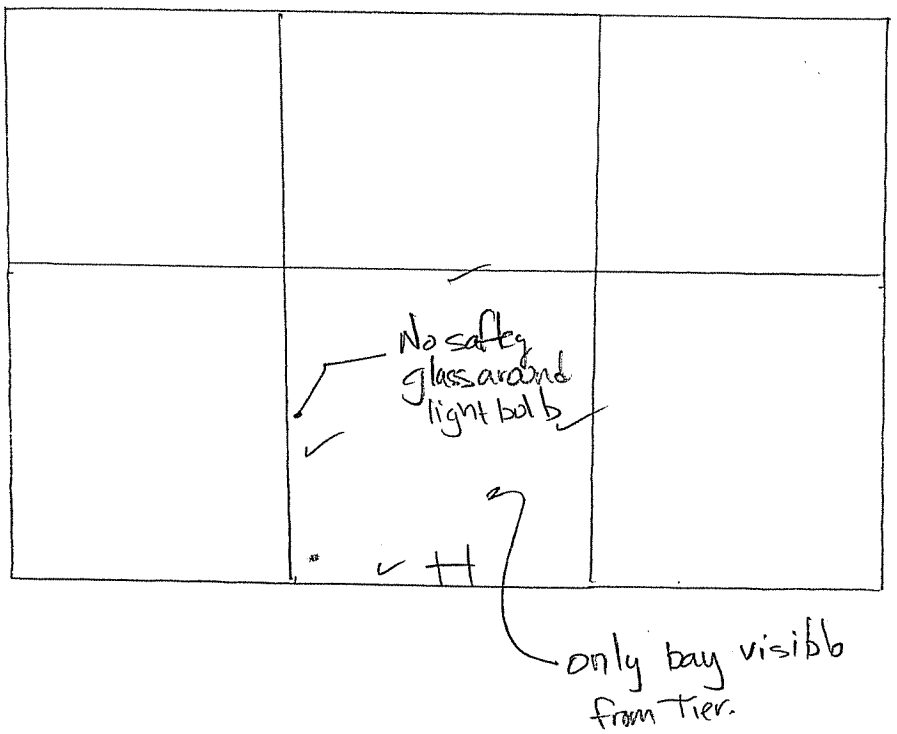


PIER 3
E COLUMN
TIER 19

NORTH

① Extensive surface rust over entire wall, no pitting observed.

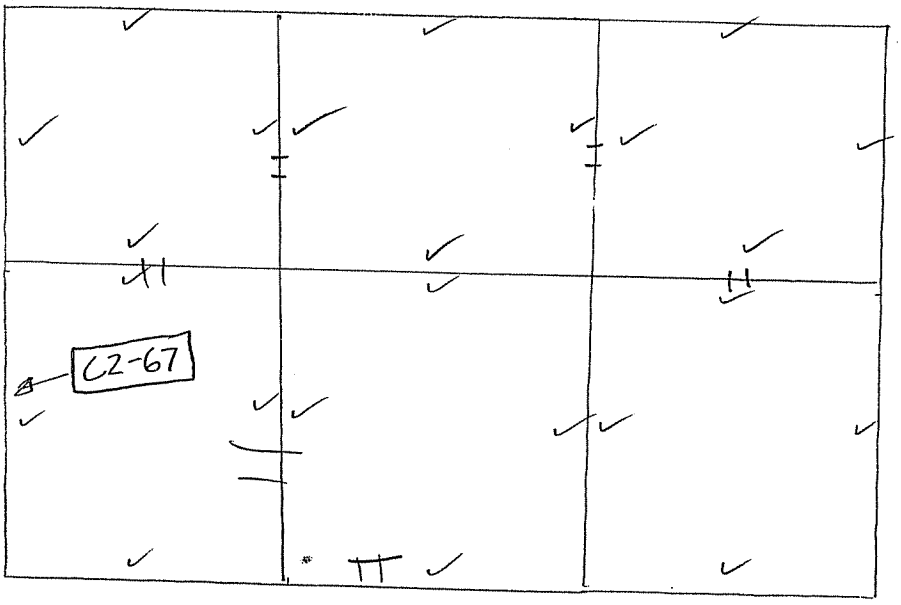
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: MJJ/CRS	DATE: 3/5/08
	SHEET: 19 of 21
	of



PIER 3
E COLUMN
TIER 20

NORTH

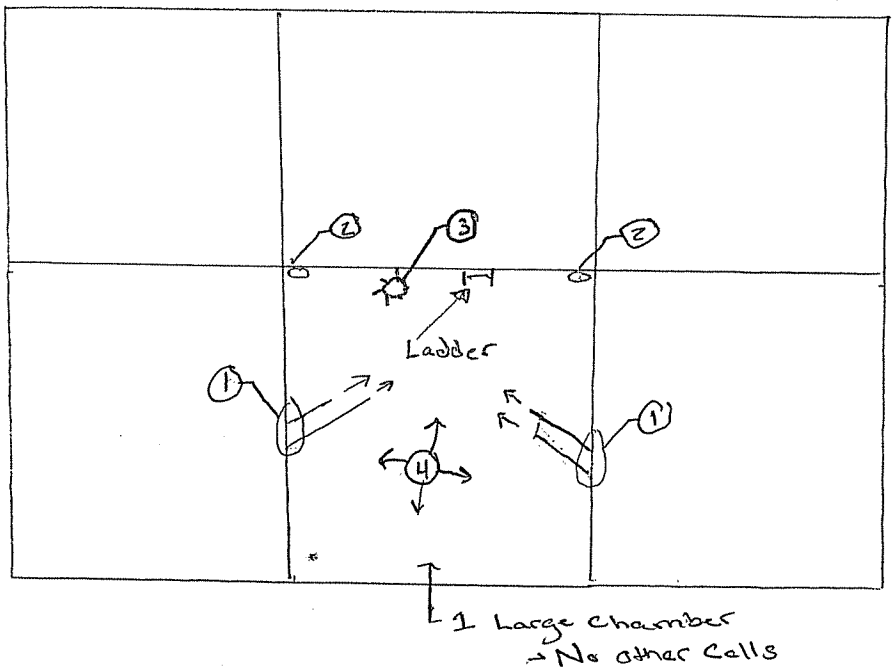
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
MJJ/CRS	3/5/08	20 of 21
		of



PIER 3
E COLUMN
TIER 21

NORTH

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
MJS / CRS	3/5/08	21 of 21
		of



PIER 3

E COLUMN

TIER 22

NORTH

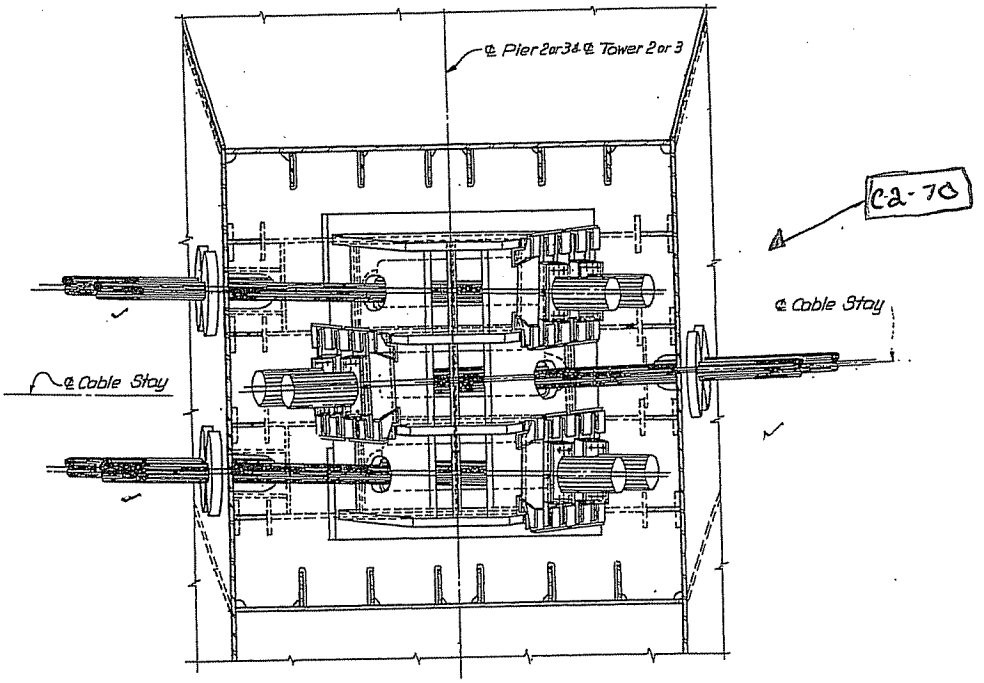
(1) Cable opening to outside

(2) Ladders to Tier 23

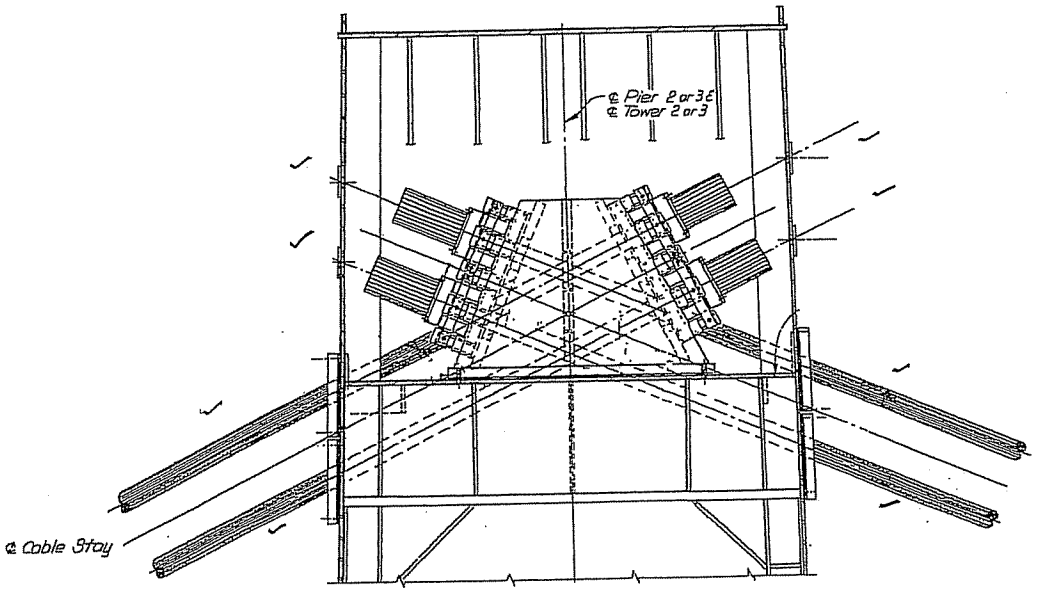
(3) No Safety glass over Light

(4) All welds in good condition @ Brace R's

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/MJJ	3/6	1 of 9
		of



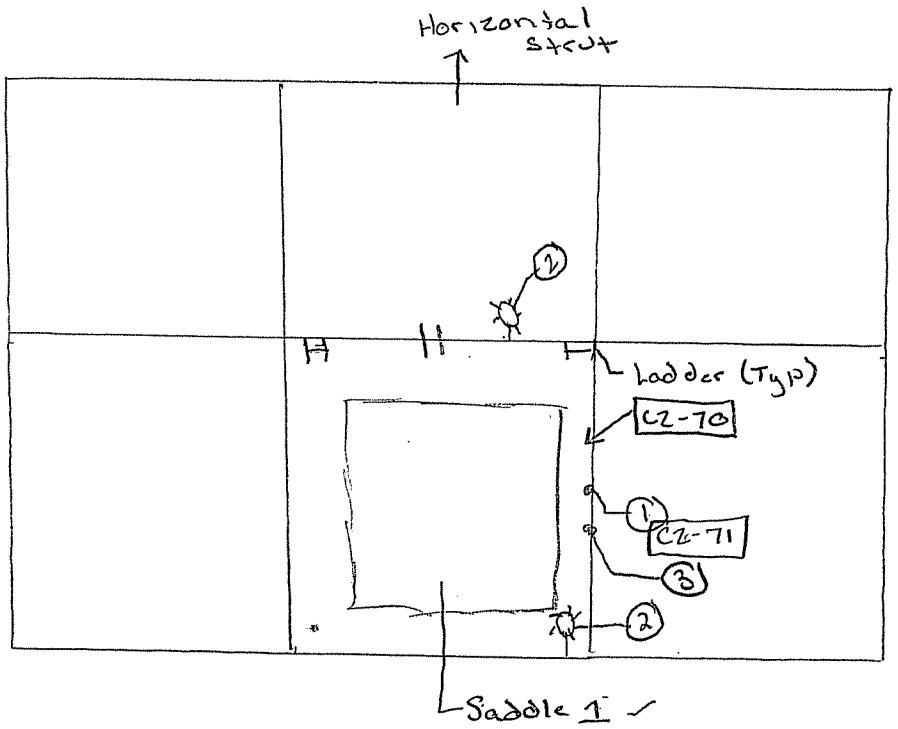
PLAN



Saddle Tier 23
East Column
Tower 3

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
TOWER 2		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/MJS	3/6	5 of 9
		of

257
333



PIER 3

E COLUMN

TIER 23

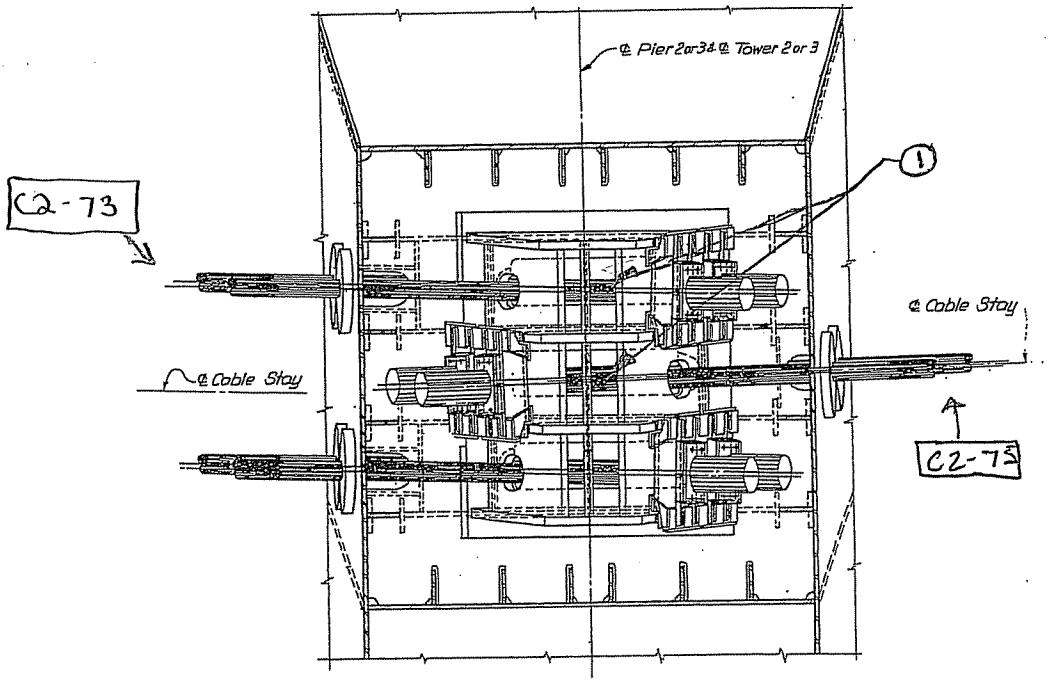
NORTH

(1) Large Nest

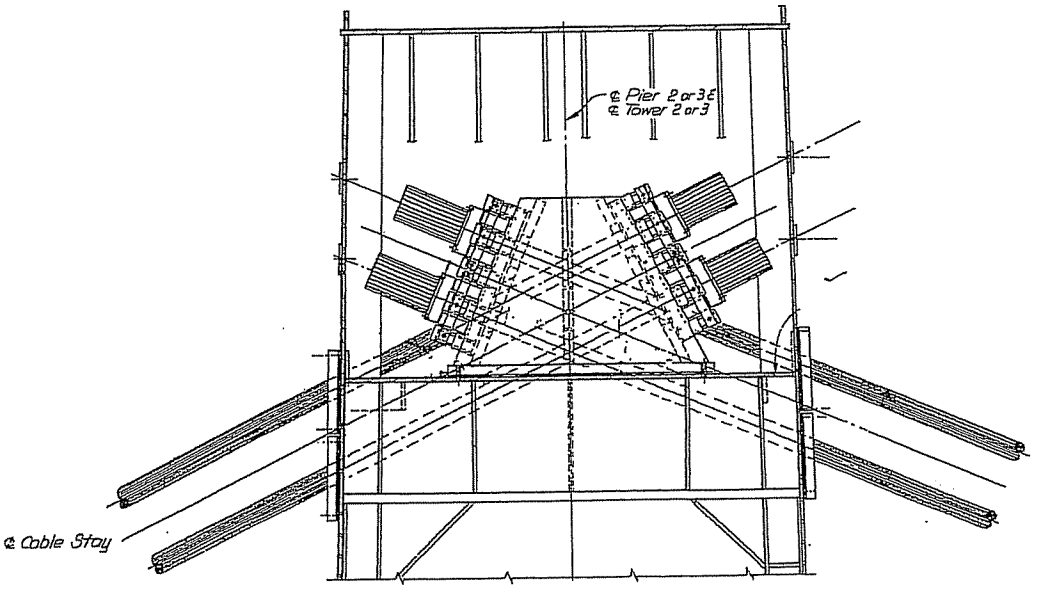
(2) No Safety Glass on Light

(3) Missing Bolt @ Cable Shield w/ misaligned Exposed Bolt above @ S.E Cable CZ-72

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
CRS/MJS	3/10	2 of 9
		of



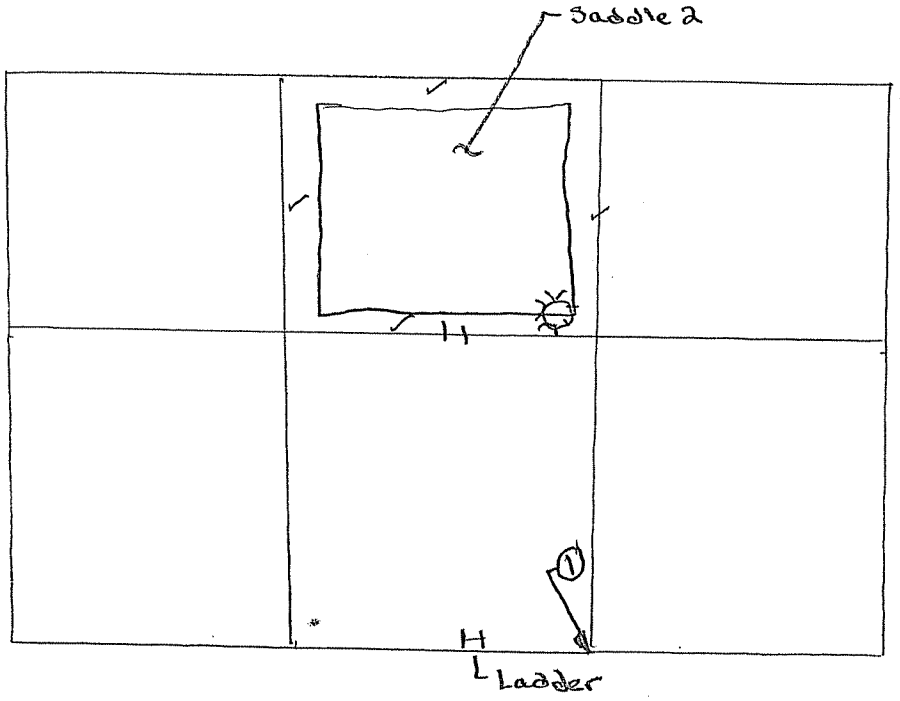
PLAN



Saddle Tier 24 E. Column Tower 3

① Injection Ports in cables [C2-74]

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOWER 2		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/MJS	3/6	6 of 9
		of



PIER 3

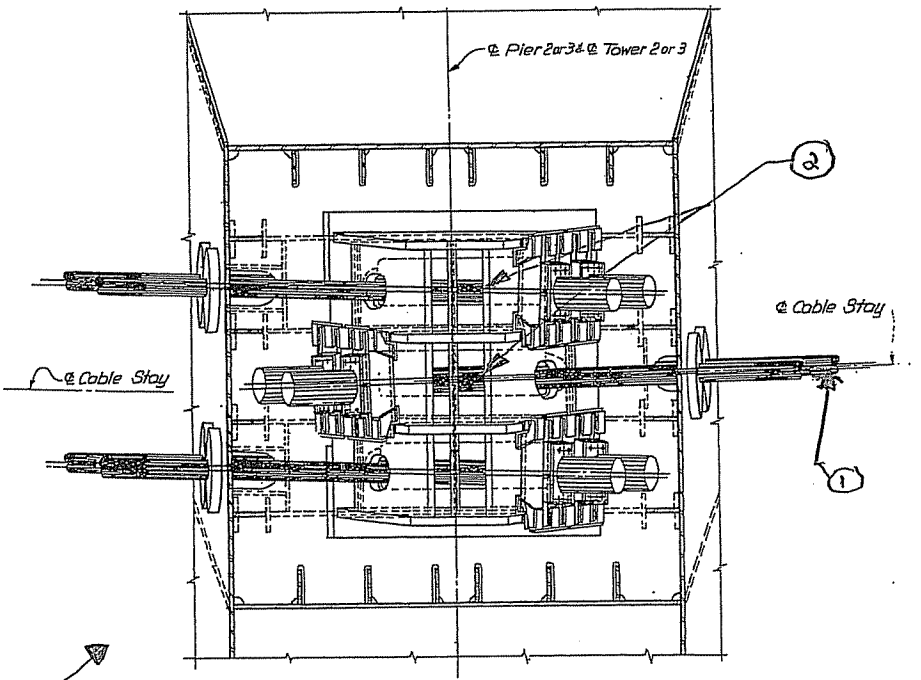
E COLUMN

TIER 24

NORTH

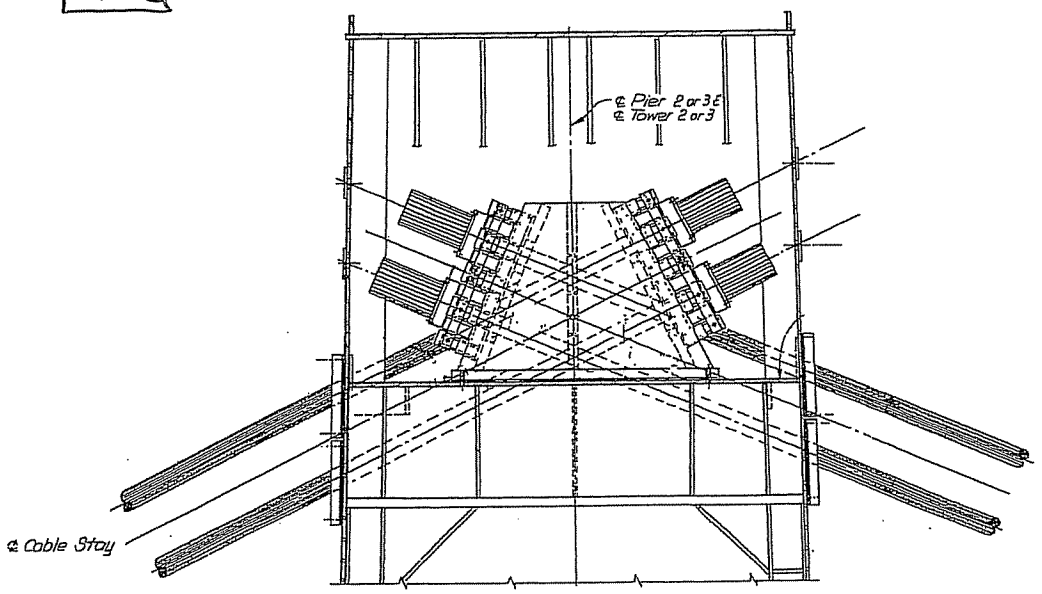
① EFF10 Running Down Corner From Exterior Moisture

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
	JOB: P710070019	
	CREW:	DATE:	SHEET:
	CRS/NJS	3/6	3 of 9
			of



PLAN

C2-76

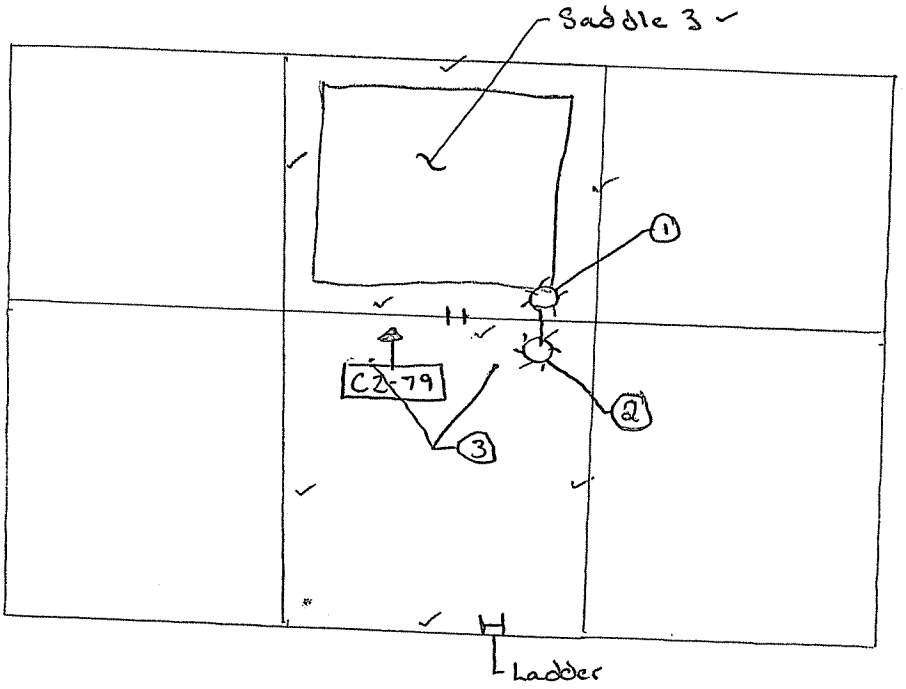


Tier 25 Saddle
East Column Pier 3

① Gap/Split in Cable Casing C2 77-78

② Injection Ports Located inside Cables

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOWER 2		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS/MJS	3/10	7 of 9
		of



PIER 3

E COLUMN

TIER 25

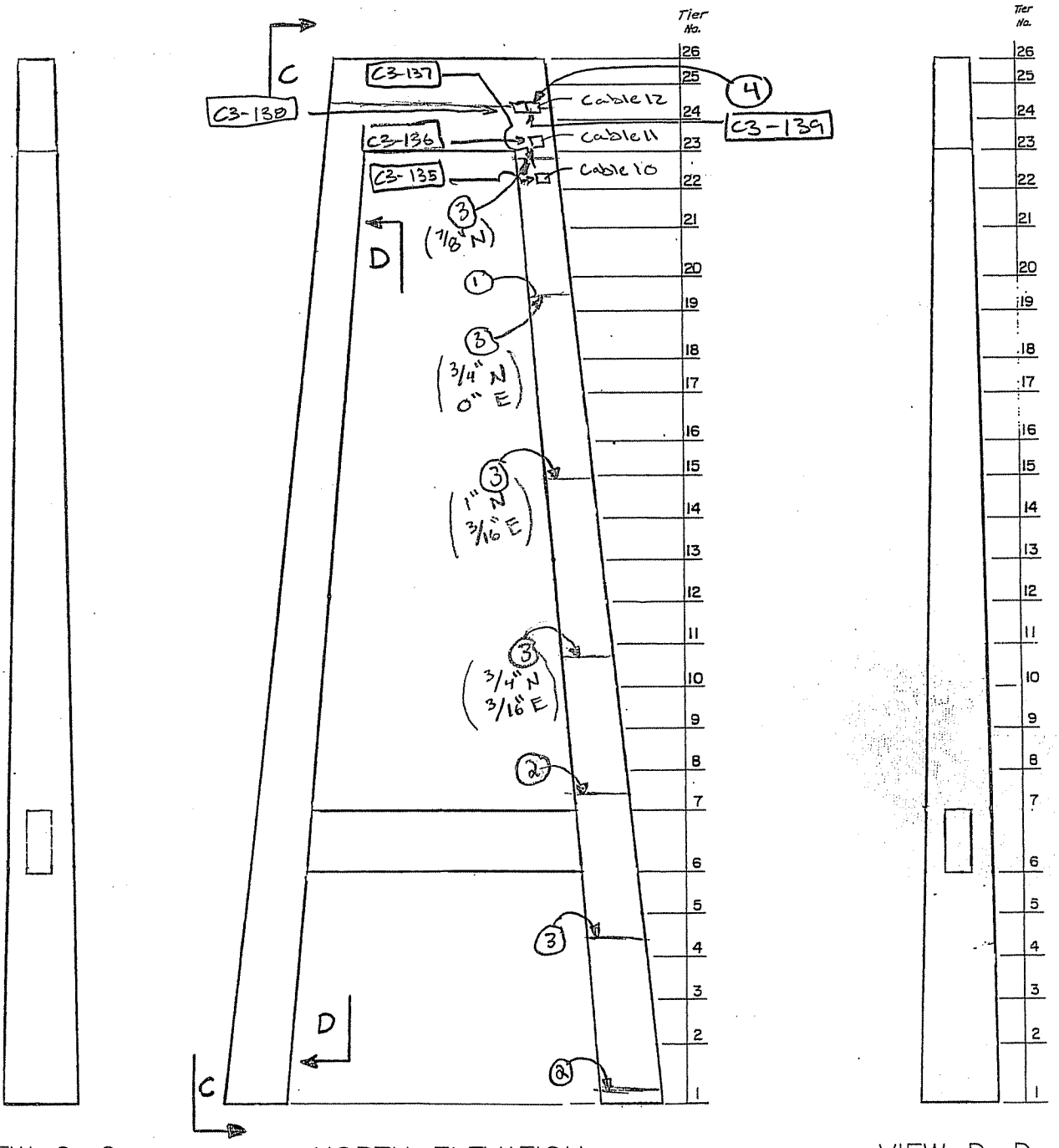
NORTH

(1) Light Not Illuminated During Inspection

(2) No Safety Casing on Light (Light Works)

(3) W-Sections w/ Open Bolt Holes @ Ends

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
CRS / MSS	3/6	4 of 9
		of



VIEW C–C NORTH ELEVATION VIEW D–D

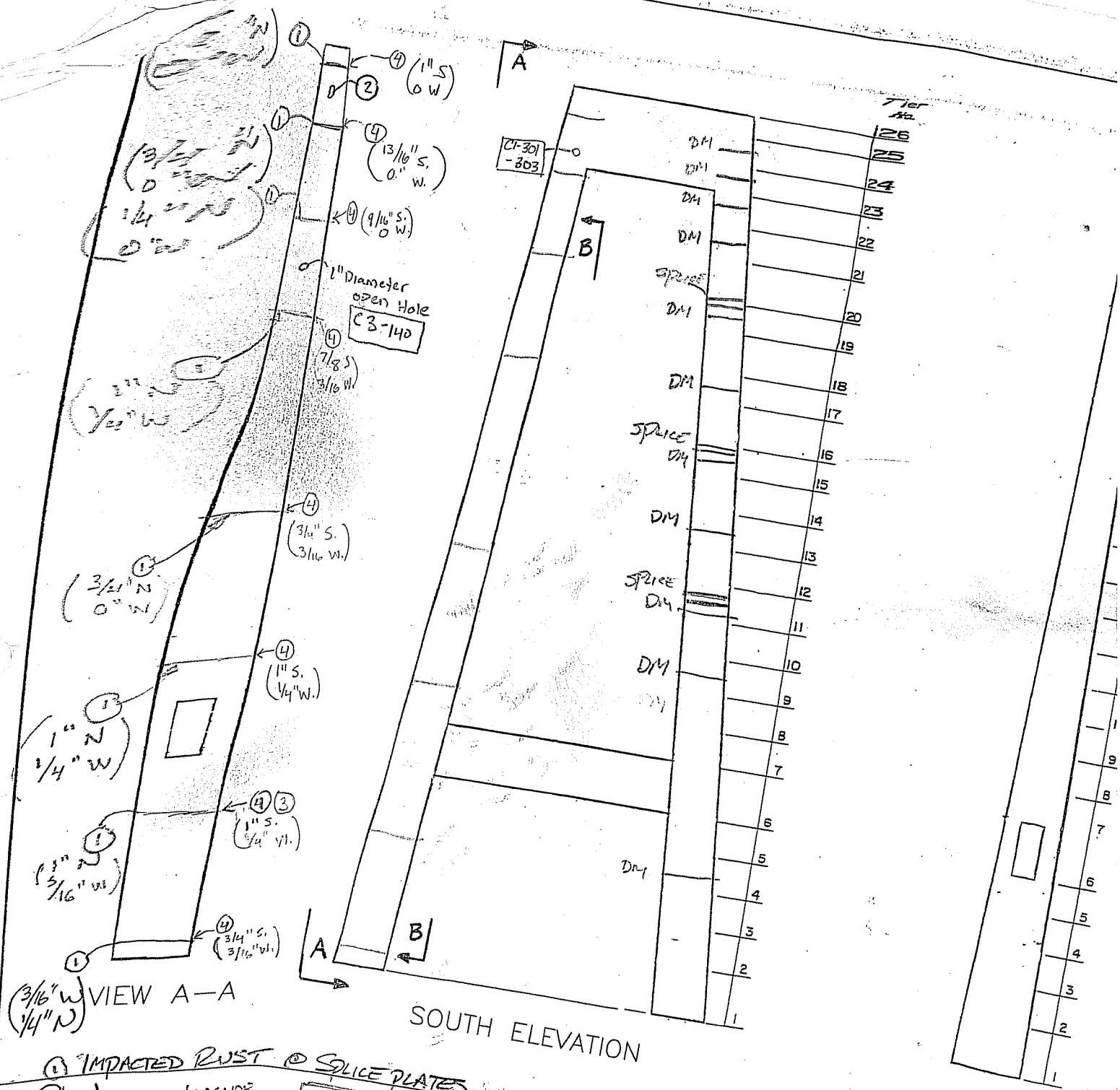
(1) SPLICE (TYP)

(2) IR @ SPLICE CORNER - UP TO 7/8" ON NORTH FACE / 3/16" ON EAST FACE

(3) SEE NOTE (2) - 1/4" EAST FACE / 1" NORTH FACE (TYP " E/N)

(4) CABLE GUIDES - GOOD ✓

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems	TOWER 3	
	JOB: P710070019	
CREW:	DATE:	SHEET:
CRS/MW	3/13/08	2 of 3
		of



(1) IMPACTED RUST @ SPLICE PLATES.

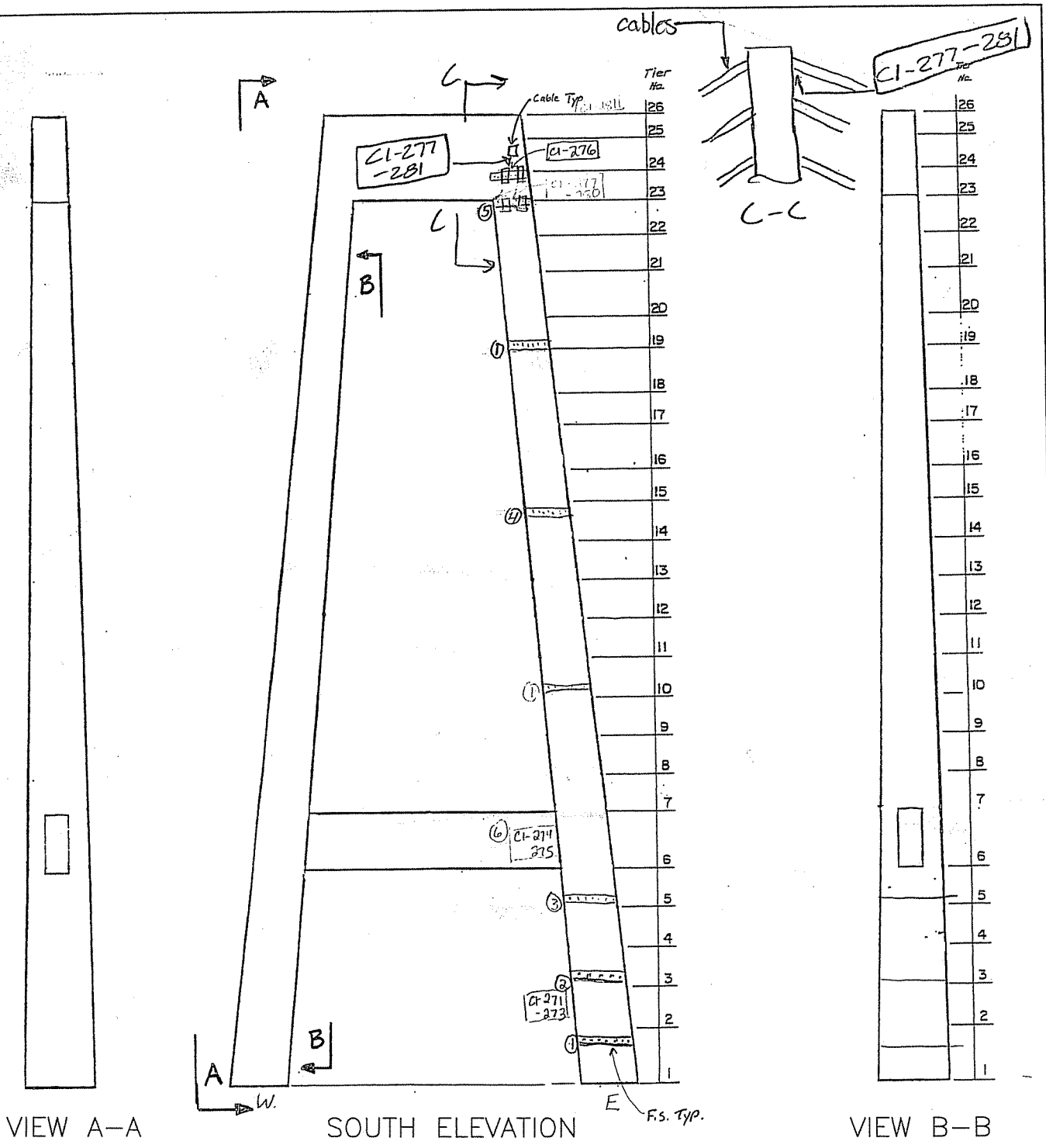
(2) WELD ON INSIDE OF TOWER WALL REFLECTING THROUGH WALL

(3) 1" I.R. S. Face @ 4 1/4" in along plate from edge

(4) Impact Rust on SW corner of Tower (Dimensions given @ location)

CTLGroup	Bridge No: Luling Bridge
NOTES BY:	City/Town: Luling, LA
	TRAN Systems
TOWER 3	
JOB: P710070019	
CREW: CES/MLJ SWF	DATE: 3/13/08 3/14/08
	SHEET: 3 of 3

264
333



(1) 3/4" Pack Rust @ F.S. on S.W. corner buckling out South Face

(2) 1" South Face, 1/4" W. Face Pack Rust @ Field splice C1-271-273

(3) 1" Pack Rust @ F.S. on S.W. corner South Face

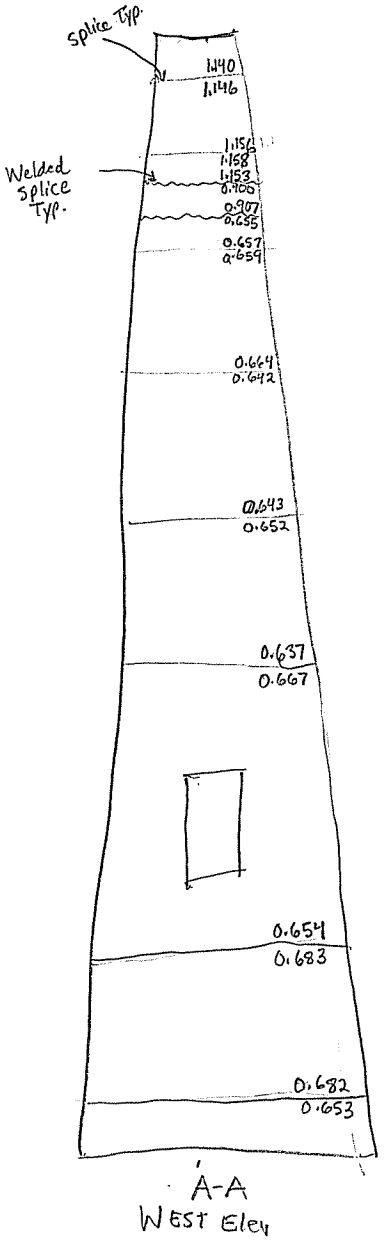
(4) 7/8" " , 1/4" Pack Rust West Face @ SW corner

(5) 1" Pack Rust South Face SW Corner

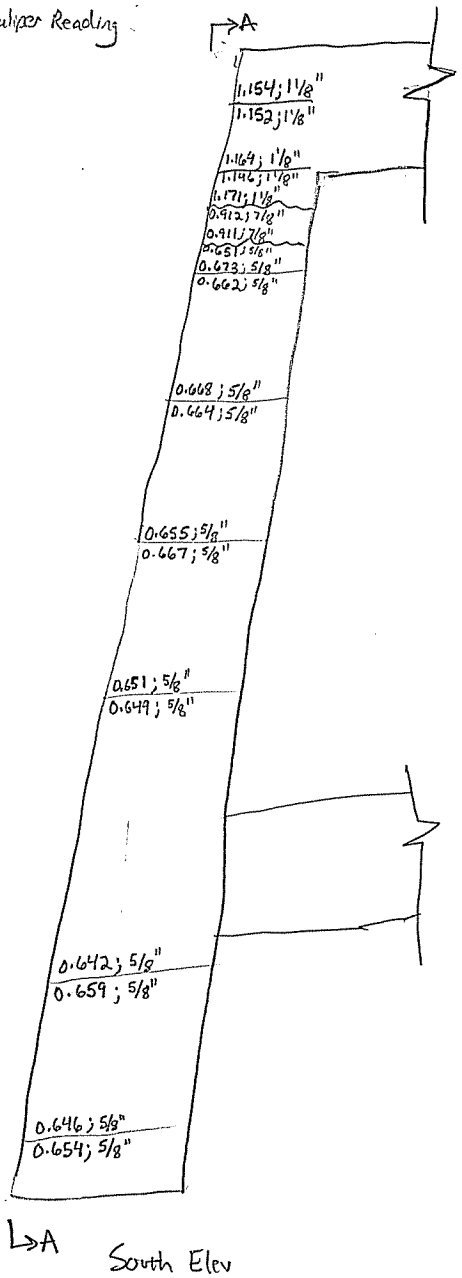
(6) Rust + Water at Strut South Face C1-274 + 275

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems	TOWER 3	
	JOB: P710070019	
CREW:	DATE:	SHEET:
CTY/MJS	3/12/08	2 of 3
		of

D METER Readings; Caliper Reading



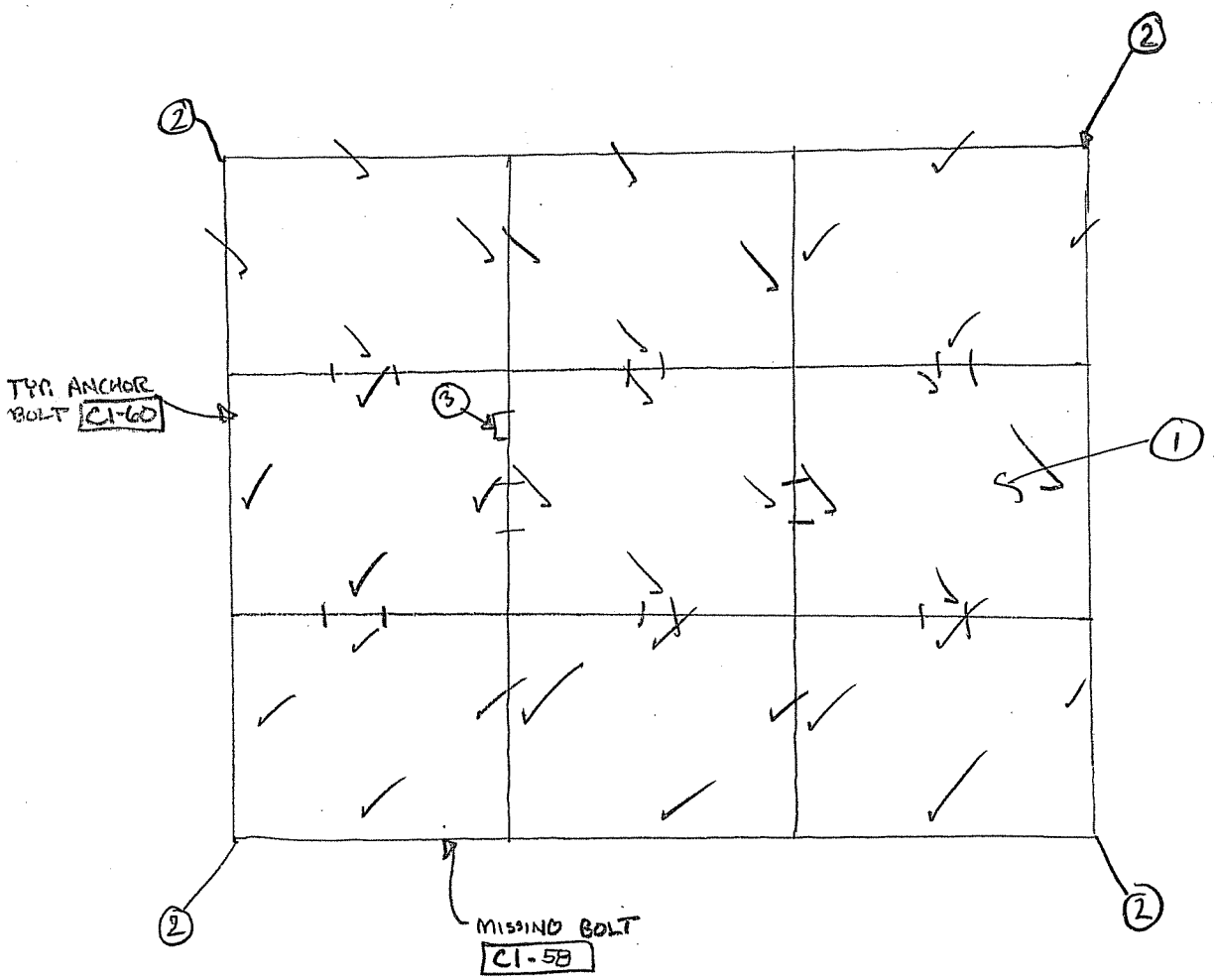
A-A
WEST Elev



A
South Elev

WEST LEG
Tower 3

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
TOWER 3 WEST LEG DMETER		
JOB: P710070019		
CREW:	DATE:	SHEET:
SWB/PGN/CTY	3/14/08	3 of 3
		of



PIER 3
W COLUMN
TIER 1

(1) APROX. 12" OF SAND ON E. WALL, 4" OTHER WALLS C1-59
(2) SIGNS OF WATER INFILTRATION, BY SR CON.
(3) DAMAGED LADDER RUNG AT SR LOC. C1-61

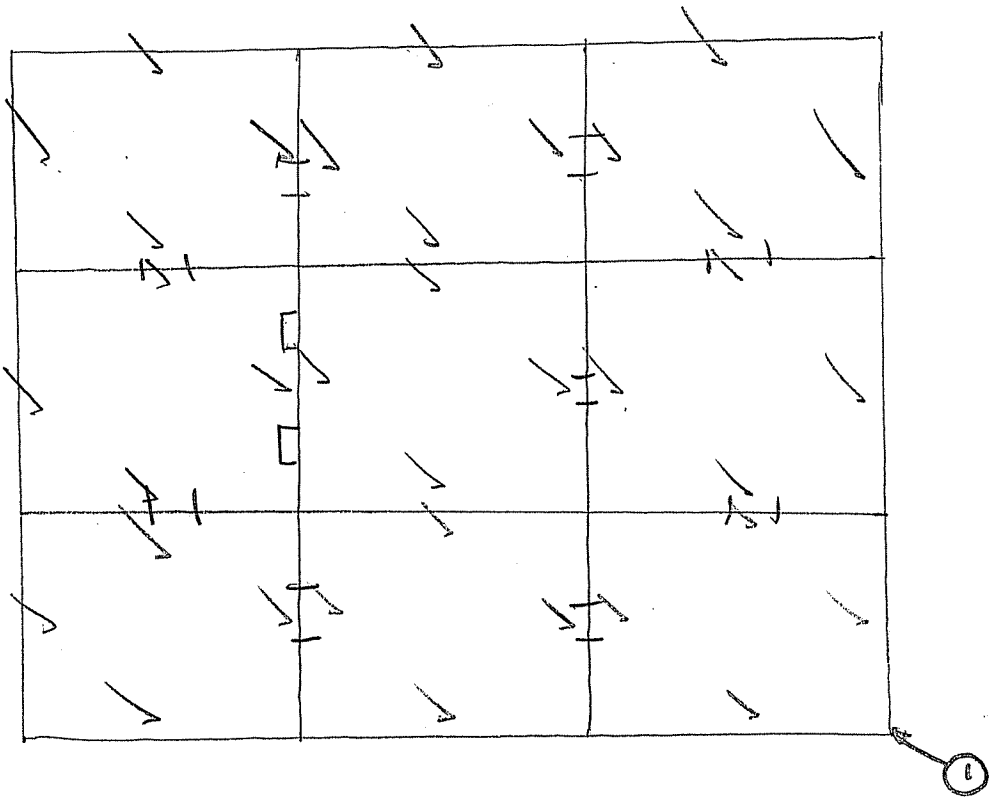
CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
BKC, BS	3/5/08	1 of 19
		of



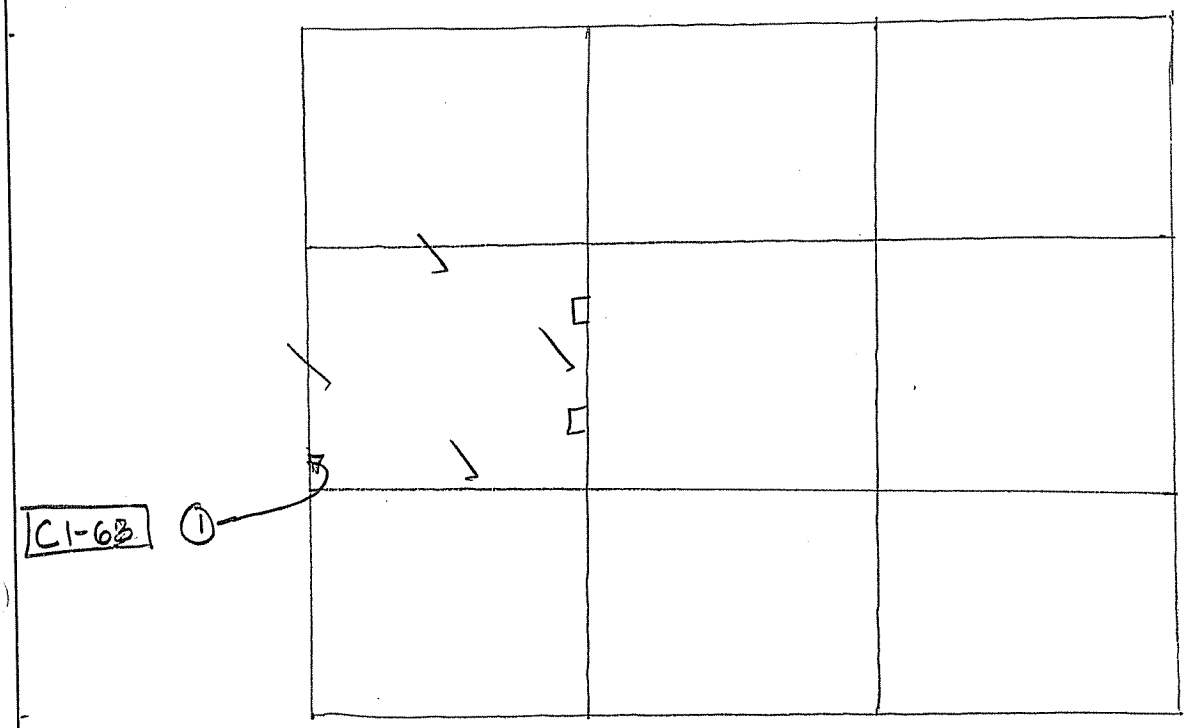
PIER 3
W COLUMN
TIER 2

TYP. TO E. BAYS LT RUST (SEMI-ACTIVE)

1) MOD. RUST ALONG CORNER (T2 TO T3)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC, BS	3/5/08	2 of 19
		of



PIER 3
W COLUMN
TIER 3

① DOUBLE PASS ON WELD TO LONG STIFF. (NO DISTRESS)

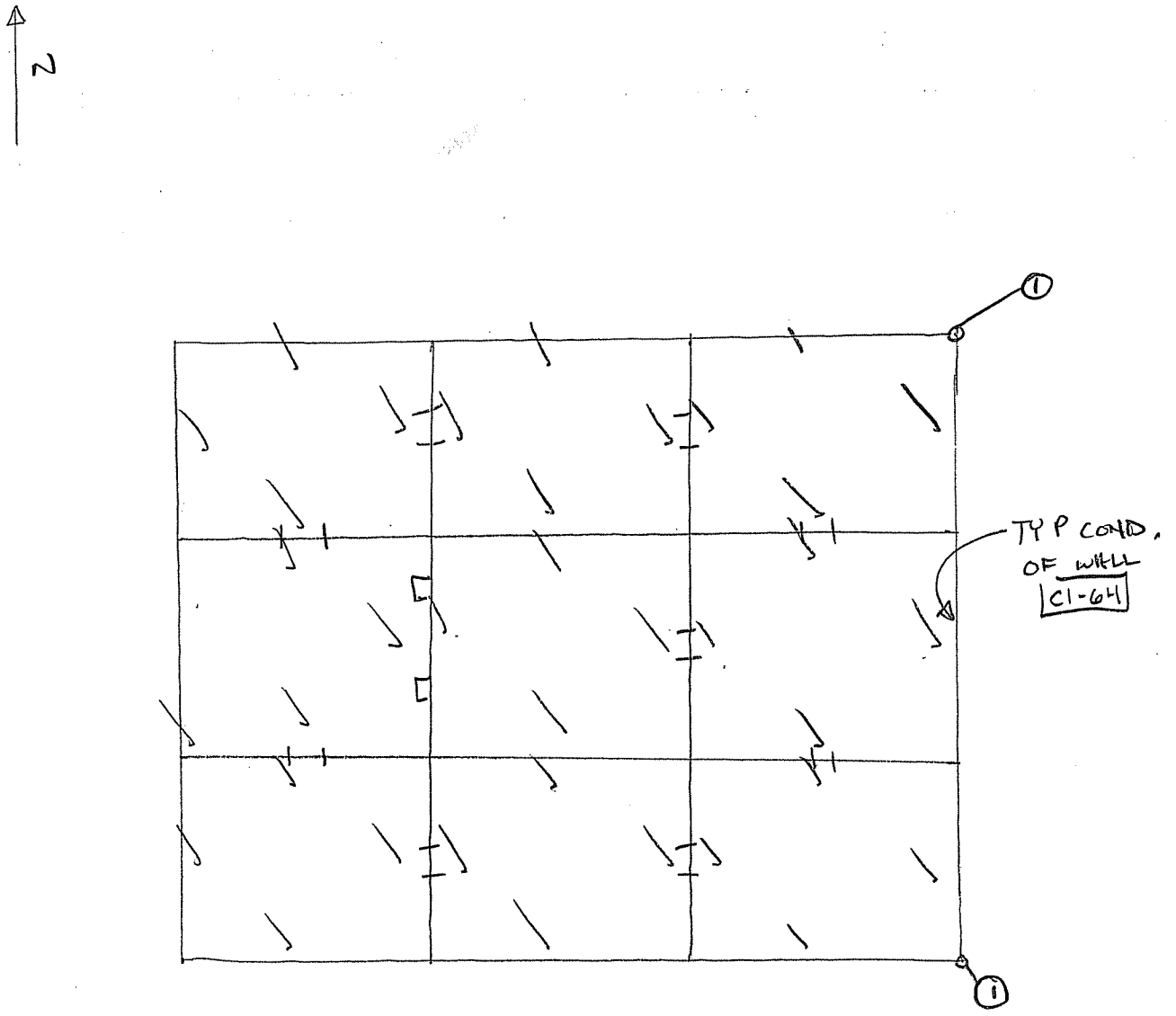
CTLGroup

Bridge No: Luling Bridge
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

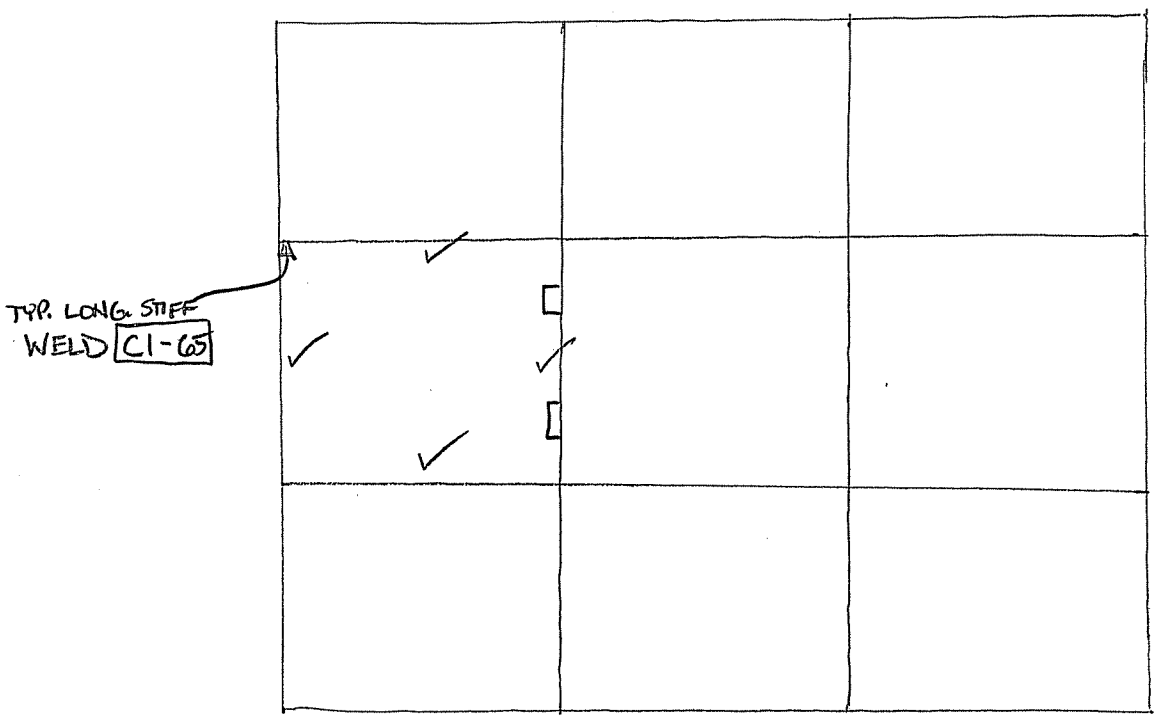
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	3 of 19
		of



PIER 3
W COLUMN
TIER 4

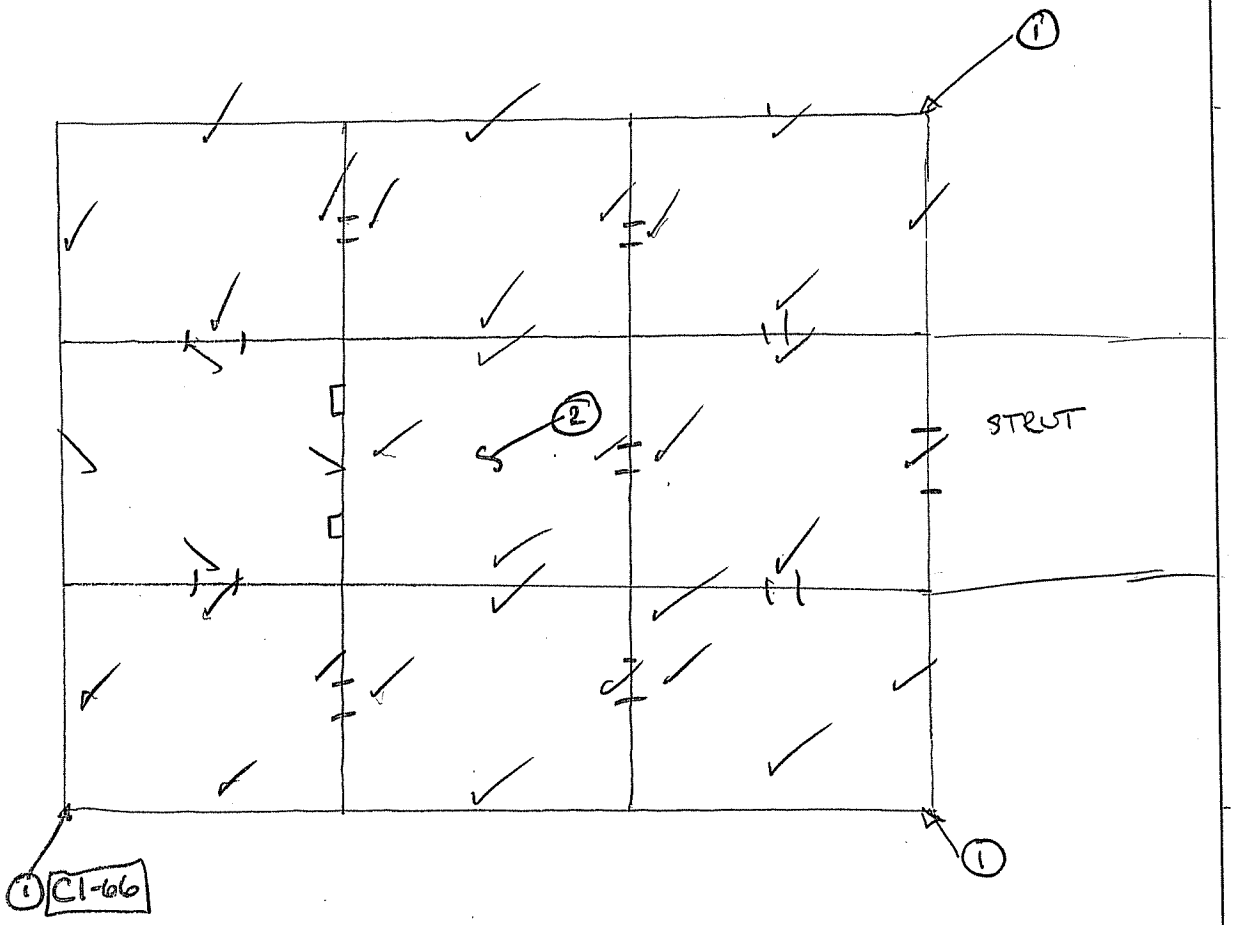
(1) INDICATIONS OF SEMI ACTIVE CORROSION (LT RUST)

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
	JOB: P710070019	
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	4 of 19
		of



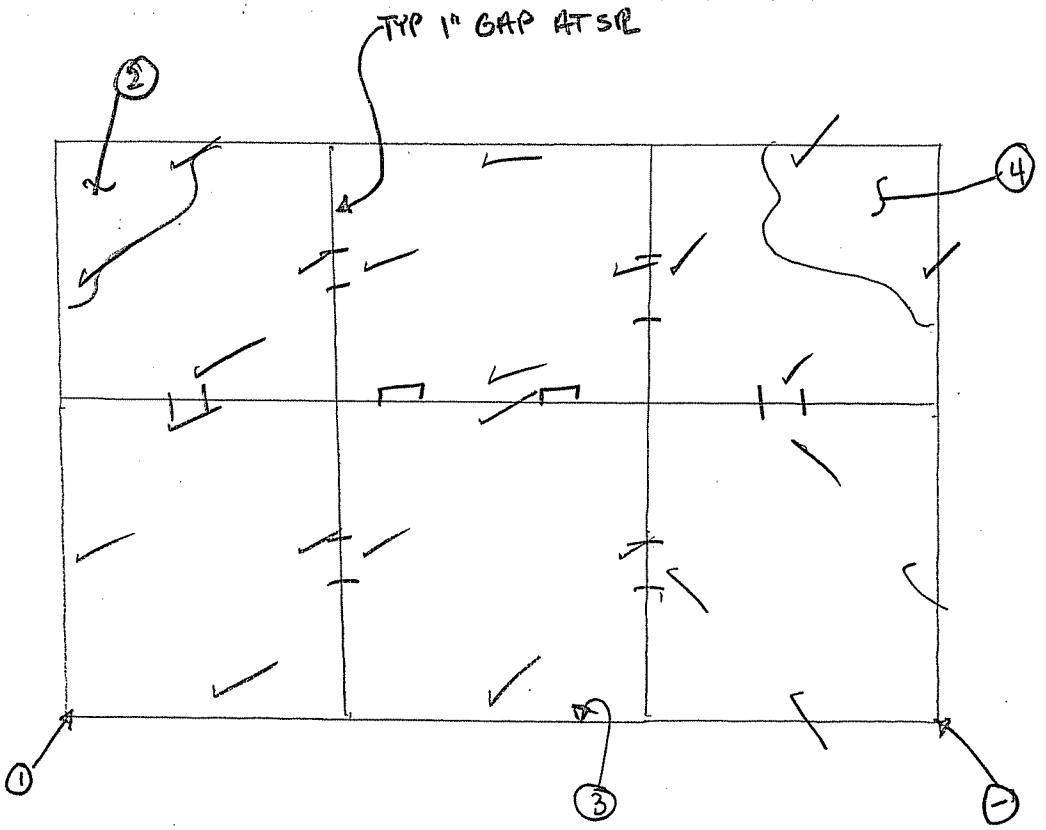
PIER 3
W COLUMN
TIER 5

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BEC BS	3/5/08	5 of 19
		of



PIER 3
W COLUMN
TIER 6

(1) SIGNS WATER INFIL.; MOD. RUST (SEMI ACTIVE), NEG. LOSS (2) PIGEON DEBRIS ON FLOOR	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
	NOTES BY:	Tran Systems
	JOB: P710070019	
	CREW: BKC, BS	DATE: 3/5/08
		SHEET: 6 of 19
		of

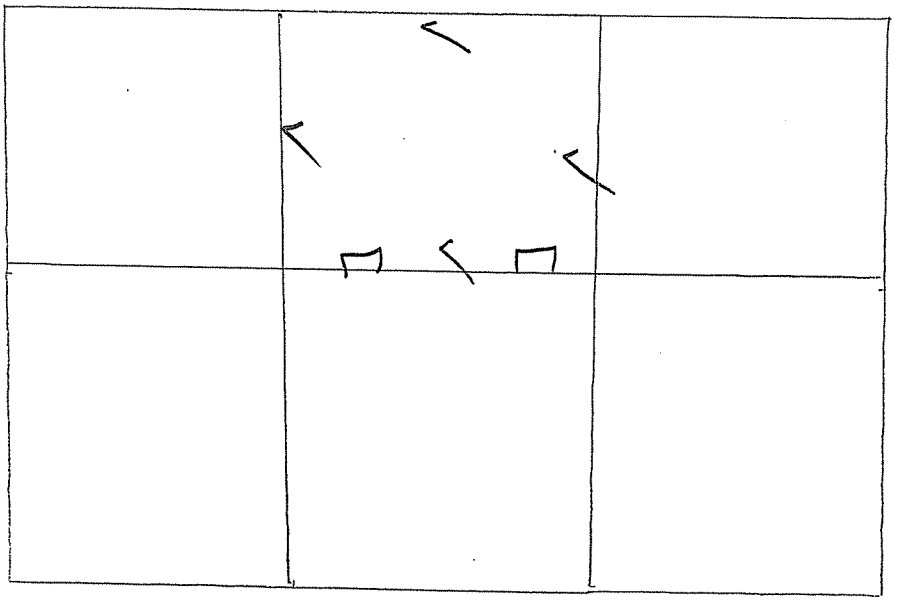


PIER 3
W COLUMN
TIER 1

N

(1) HUY LAMINATING RUST AT STIFF LOC.; SEMI ACTIVE COR
(2) MOISTURE ON FLOOR DIA
(3) STAINING FROM UTILITY & SPLICE PL (ABRASION DUST FROM GRINDING)
(4) MOISTURE ON DIA. E W/ PITTING UP TO 1/16"

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
JOB: P710070019		
CREW:	DATE:	SHEET:
BAC, BS	3/5/08	7 of 19
		of



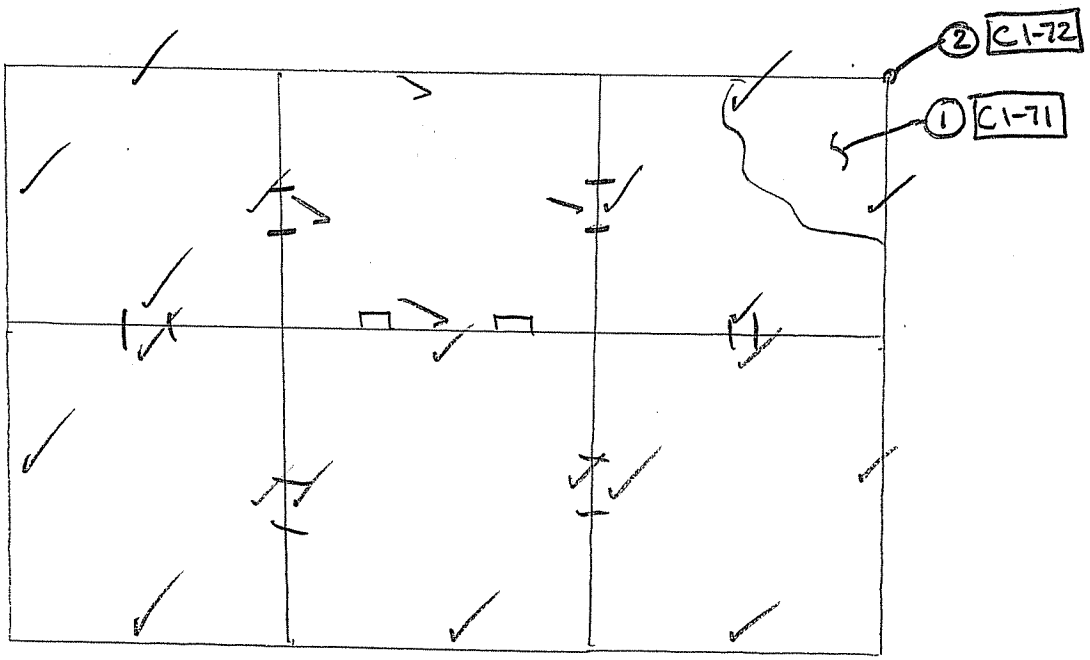
PIER 3

W COLUMN

TIER 8

N

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	8 of 19
		of



PIER 3

W COLUMN

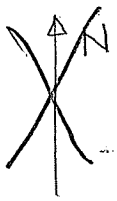
TIER 9

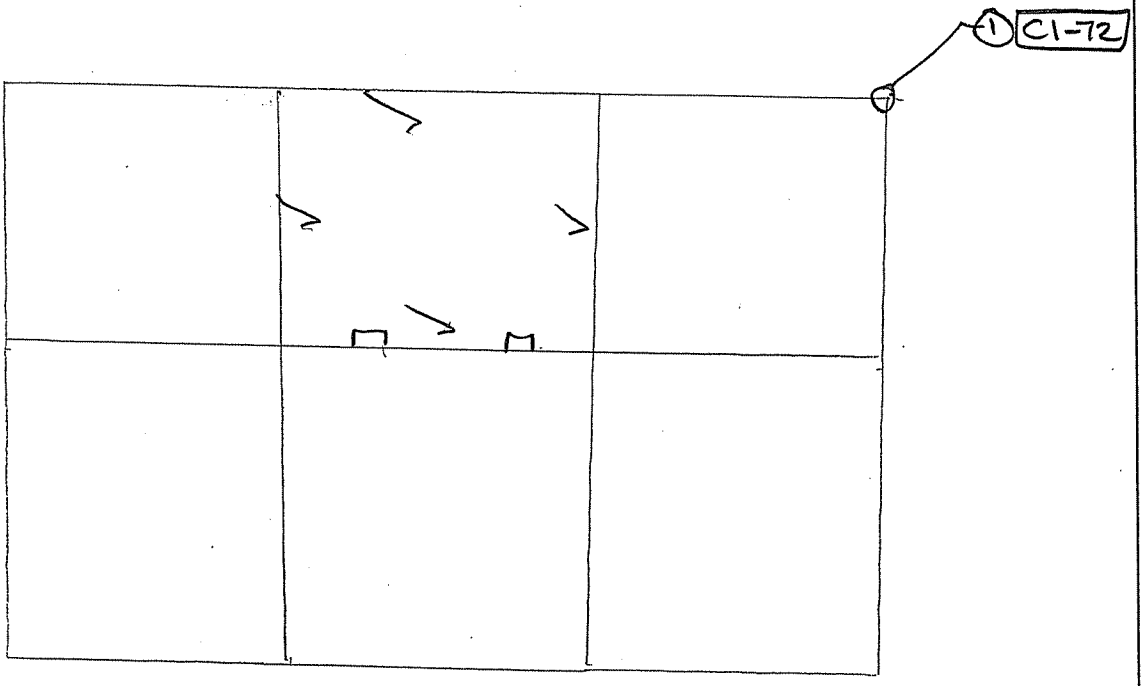
N

① MOISTURE ON FLOOR DIA. W/ 1/16" PITTING

② WATER INFILTRATION BY TIER 10 W/ SEMI ACTIVE RUST

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	9 of 19
		of



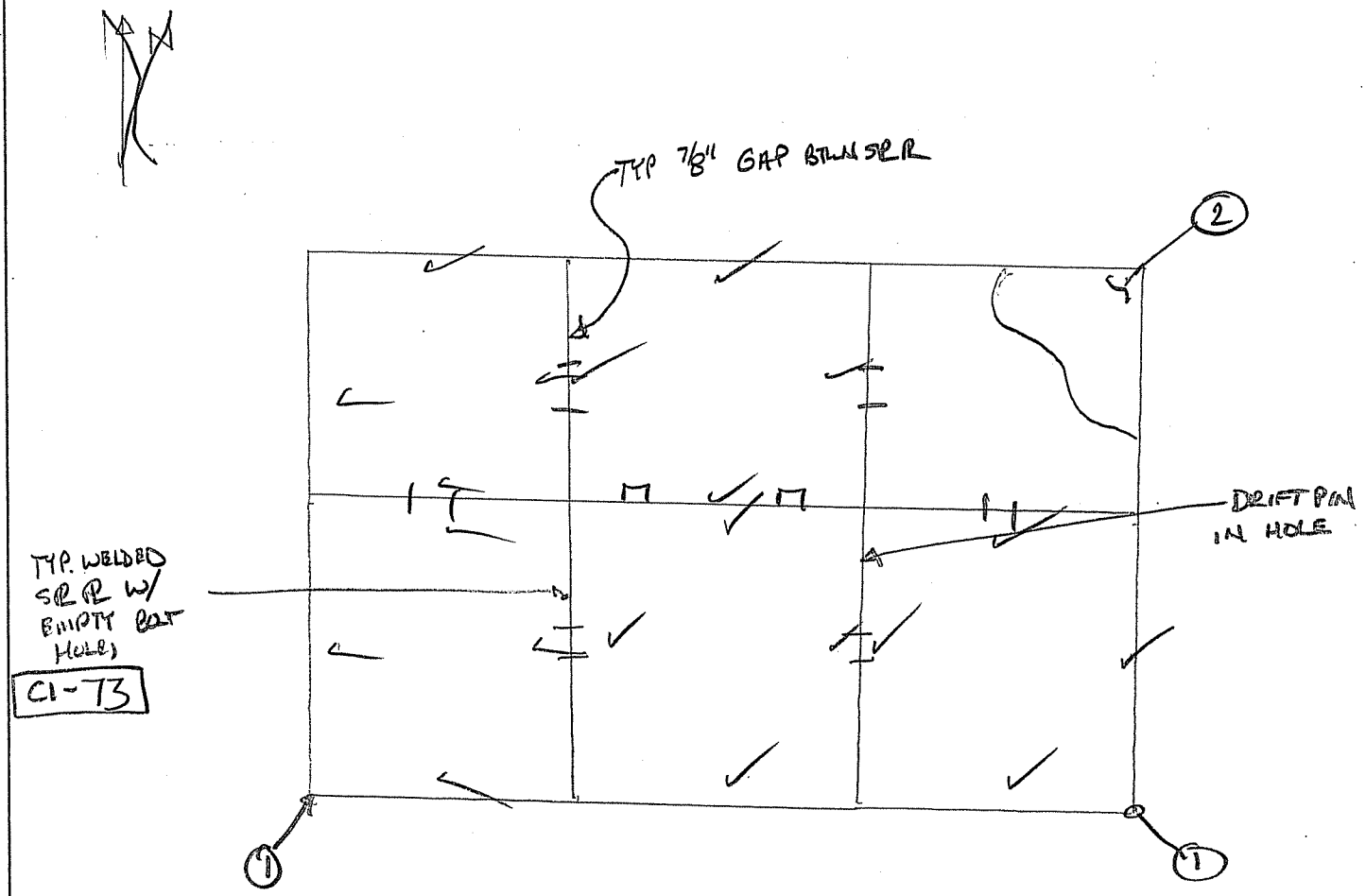


PIER 3
W COLUMN
TIER 10

N

1 FROM T9
WATER INFILITRATION W/ ACTIVE RUST LT RUST

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	10 of 19
		of



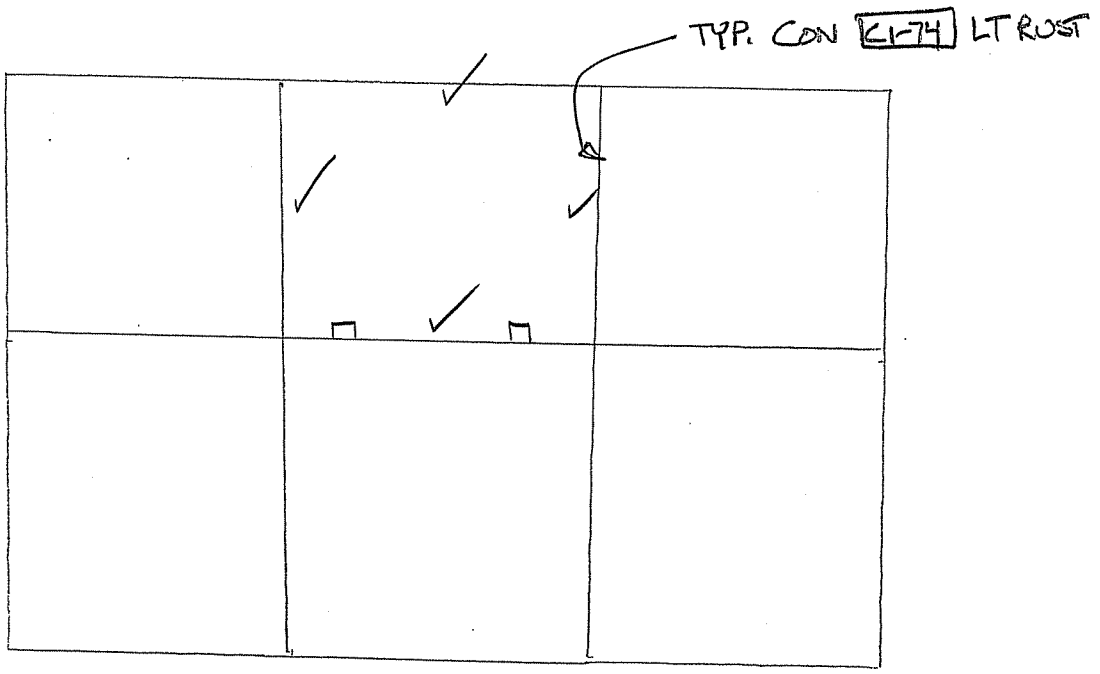
PIER 3
W COLUMN
TIER 11

N

1 IND. OF PREVIOUS WATER INFIL., SEMI/ACTIVE RUST
2 MOISTURE ALONG ROT. DIA PL W/ EVIDENCE INFL. SPL @ CORNER

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	11 of 19
		of

277
333



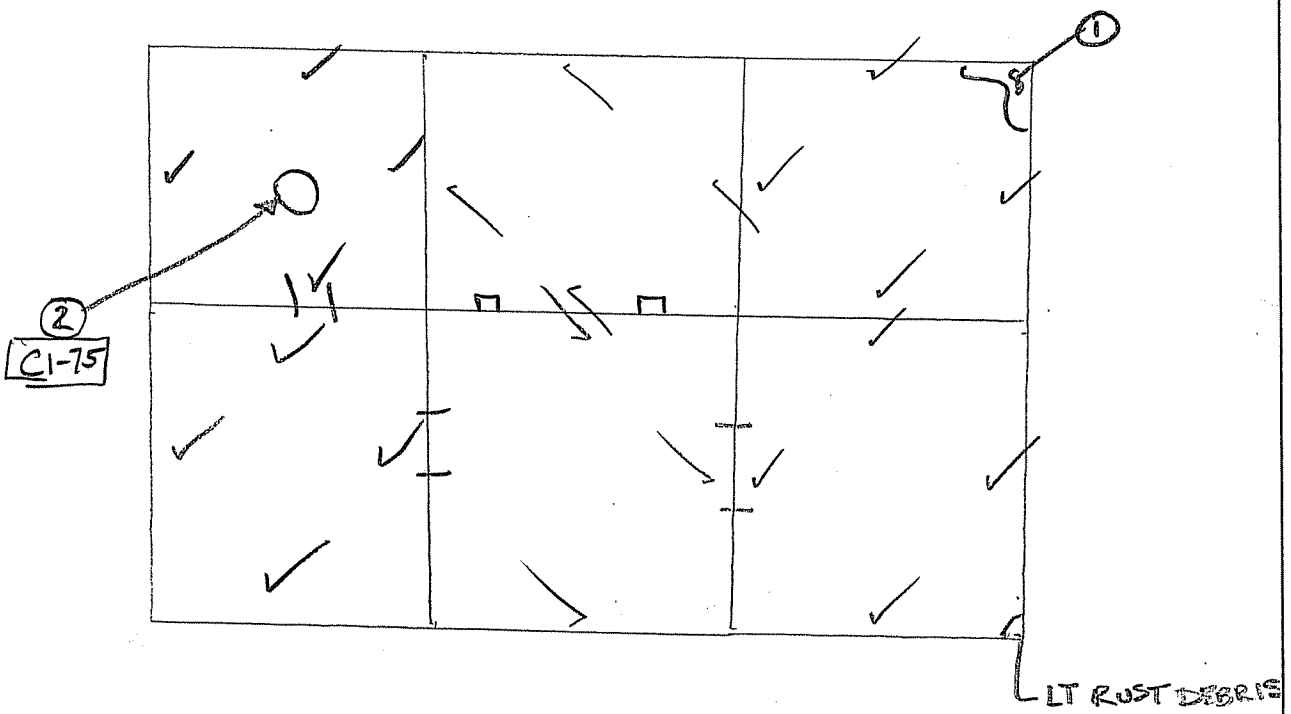
PIER 3

W COLUMN

TIER 12

N →

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	12 of 19
		of

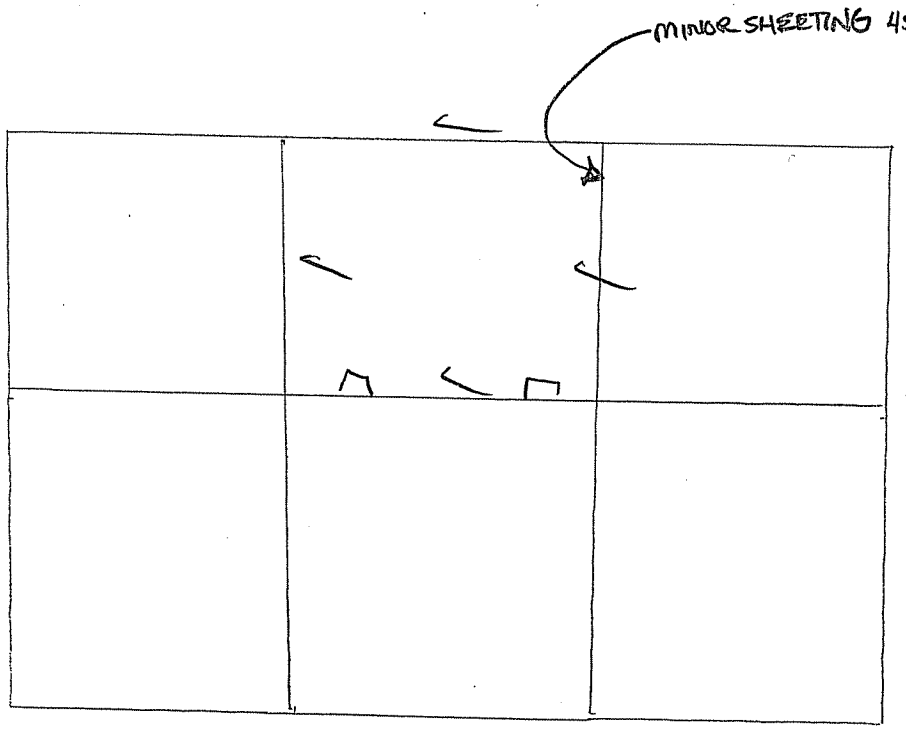


PIER 3
W COLUMN
TIER 13

N →

① MOISTURE W/INGRESS IN CORNER C1-76
② ACCESS HOLE NOT FULLY WELDED, FLEXES ~½"

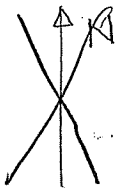
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
JOB: P710070019		
CREW:	DATE:	SHEET:
BFC, BS	3/5/08	13 of 19
		of

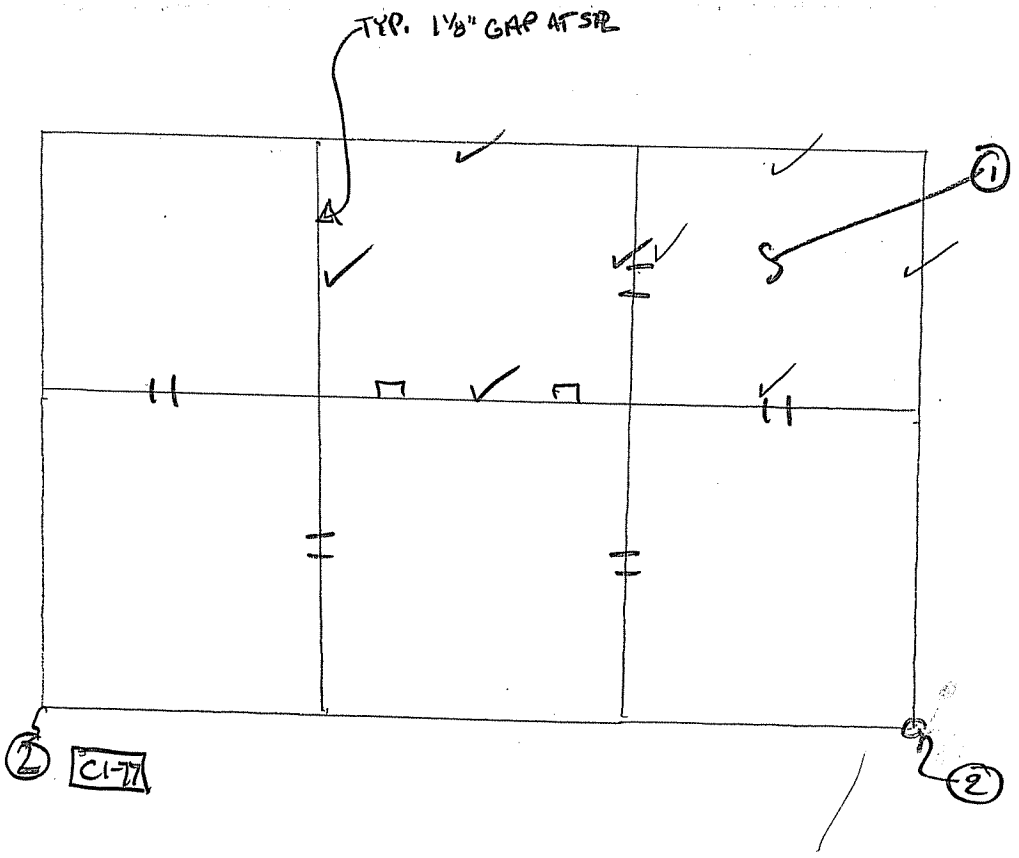


PIER 3
W COLUMN
TIER 14

N

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	14 of 19
		of





PIER 3

W COLUMN

TIER 15

N

① MOISTURE ALONG BOT DIA R, COMING FROM NW CORNER SR

② DEBRIS, & INDICATIONS WATER IN RL FROM CORNER

CTLGroup

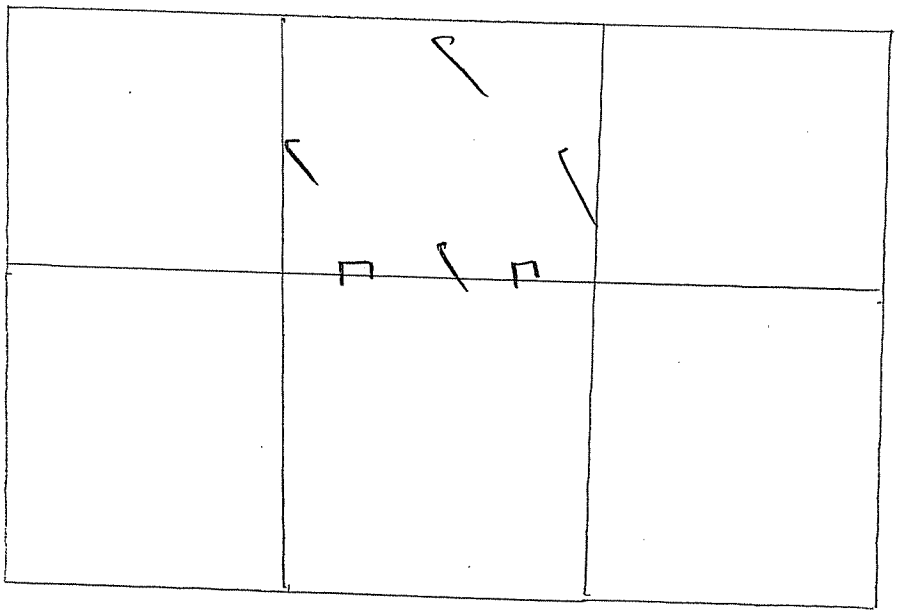
Bridge No: Luling Bridge

City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

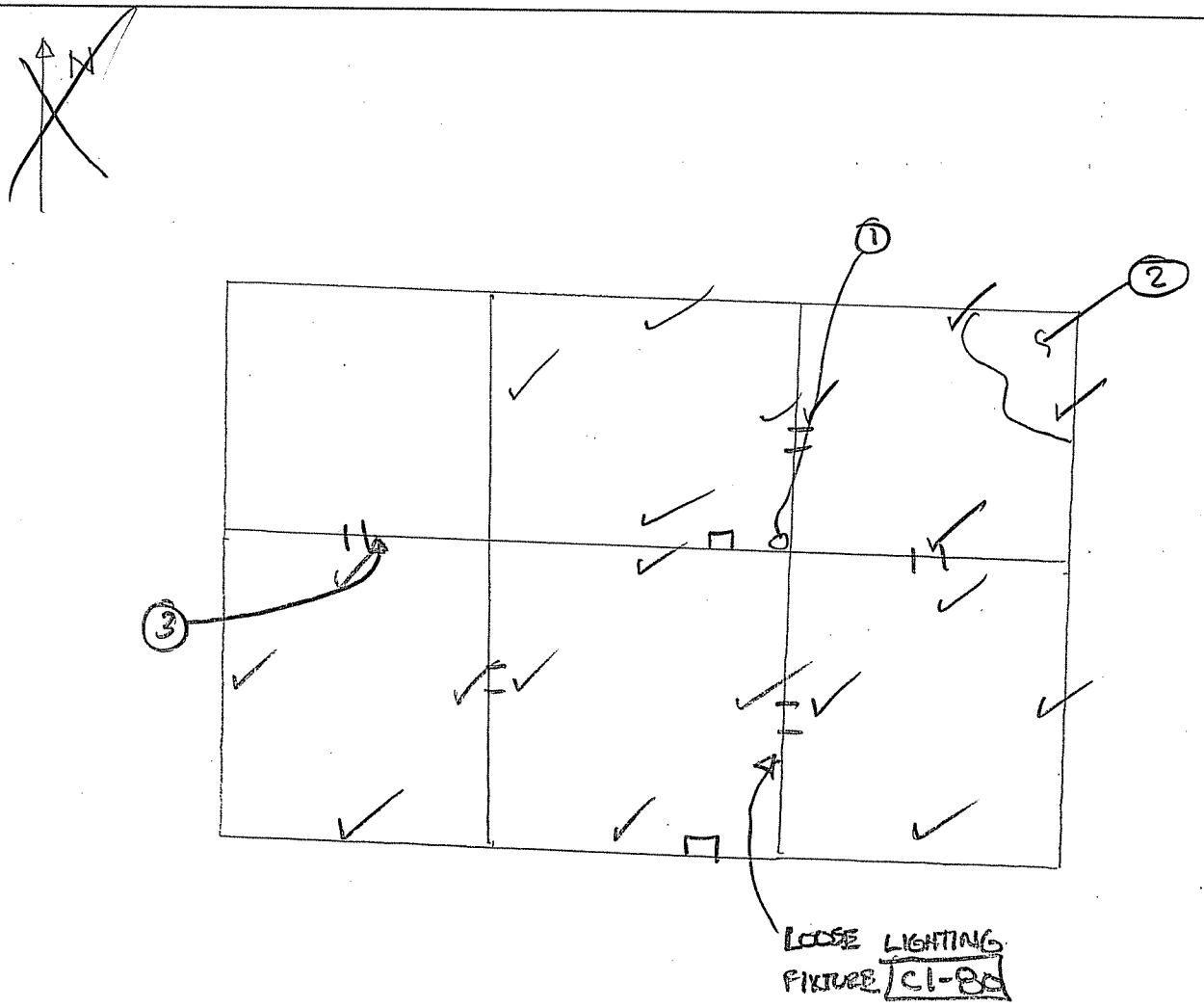
CREW:	DATE:	SHEET:
BKL, BS	3/5/08	15 of 19
		of



PIER 3
W COLUMN
TIER 16

N

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: Tran Systems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	16 of 19
		of



PIER 3

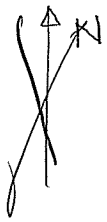
— COLUMN

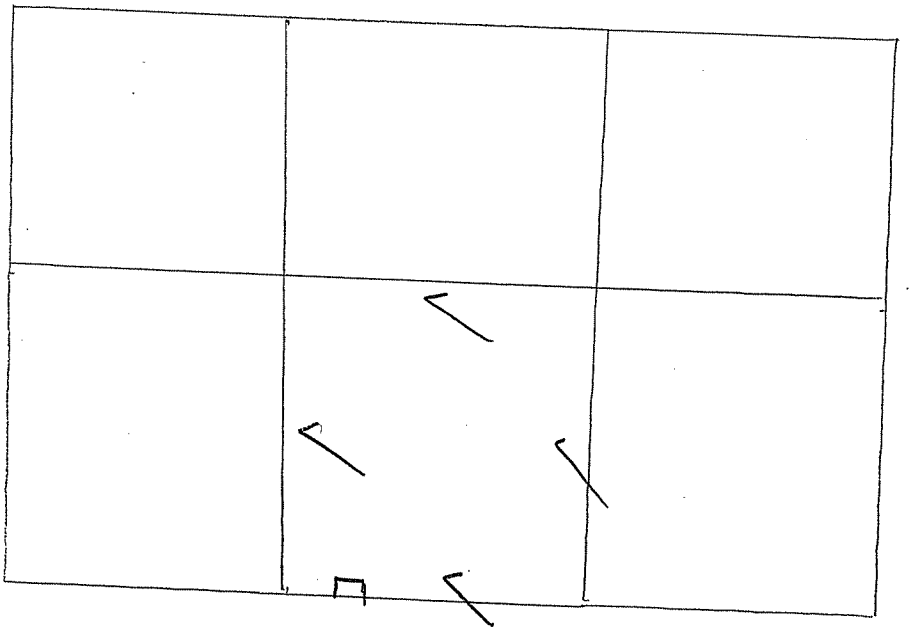
TIER 17

N

1. CONDUIT FACE LOOSE & MISSING TOP C1-7B
2. MOISTURE ON BOT. DIA., STAINING/SEMI ACTIVE RUST IN CORNER
3. HORIZ. RUST STAINING (FROM FABRICAT) UNDER ACCESS HATCH C1-7

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BEC, BS	3/5/08	17 of 19
		of

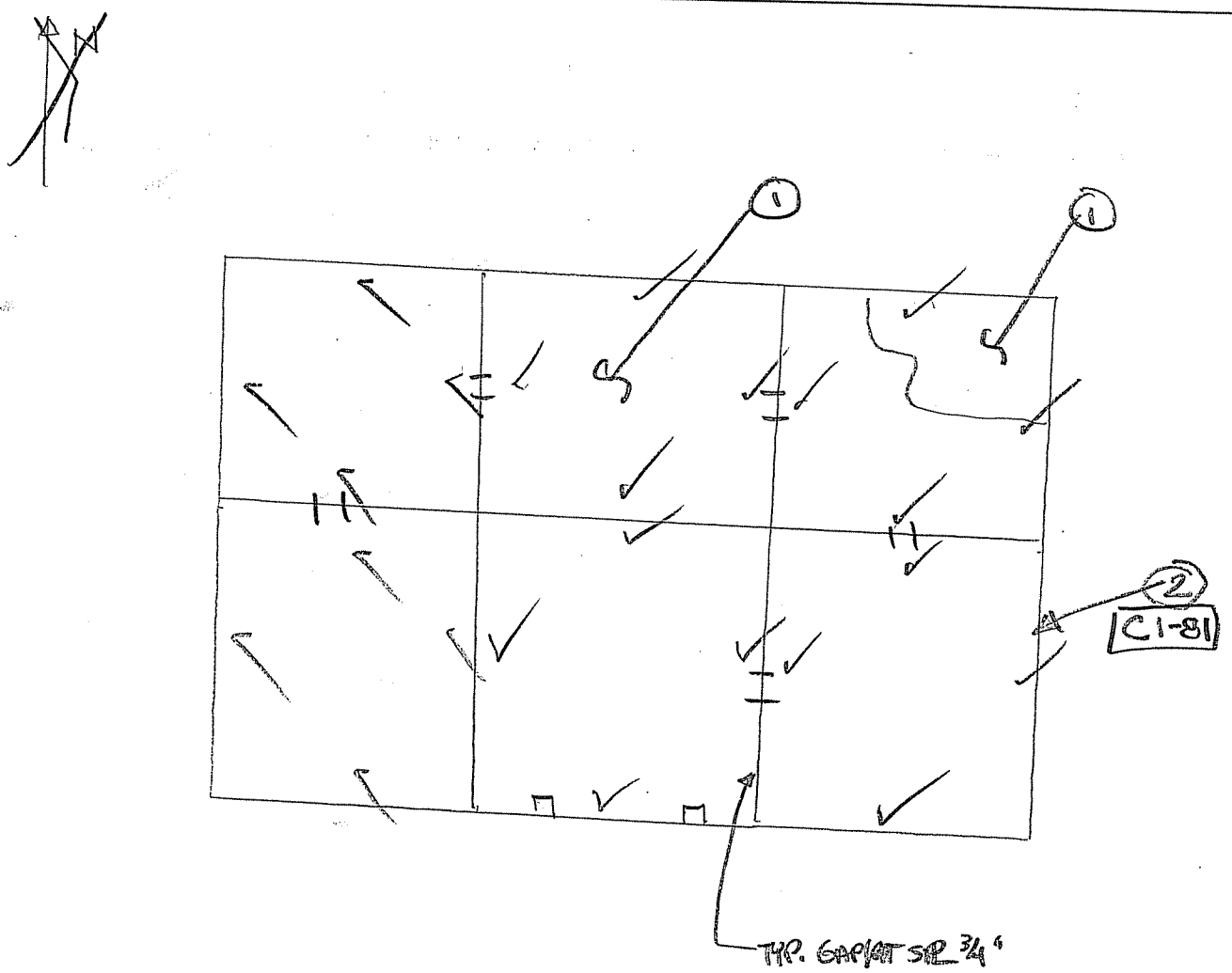




PIER 3
W COLUMN
TIER 18

N

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/5/08	18 of 19
		of



PIER 3

W COLUMN

TIER 19

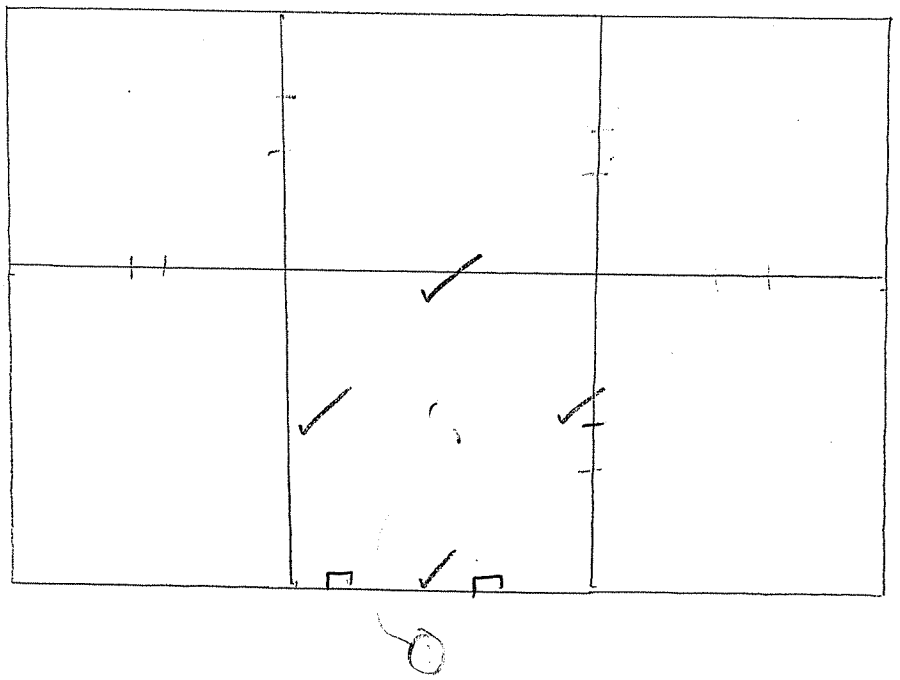
N

(1) MOISTURE ON BOTTOM FLA.

(2) TYP. LT RUST / SHEETING ALONG SEE PLATES

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
JOB: P710070019	
CREW: BFC, BS	DATE: 3/5/08
	SHEET: 19 of 19
	of

N



PIER 3

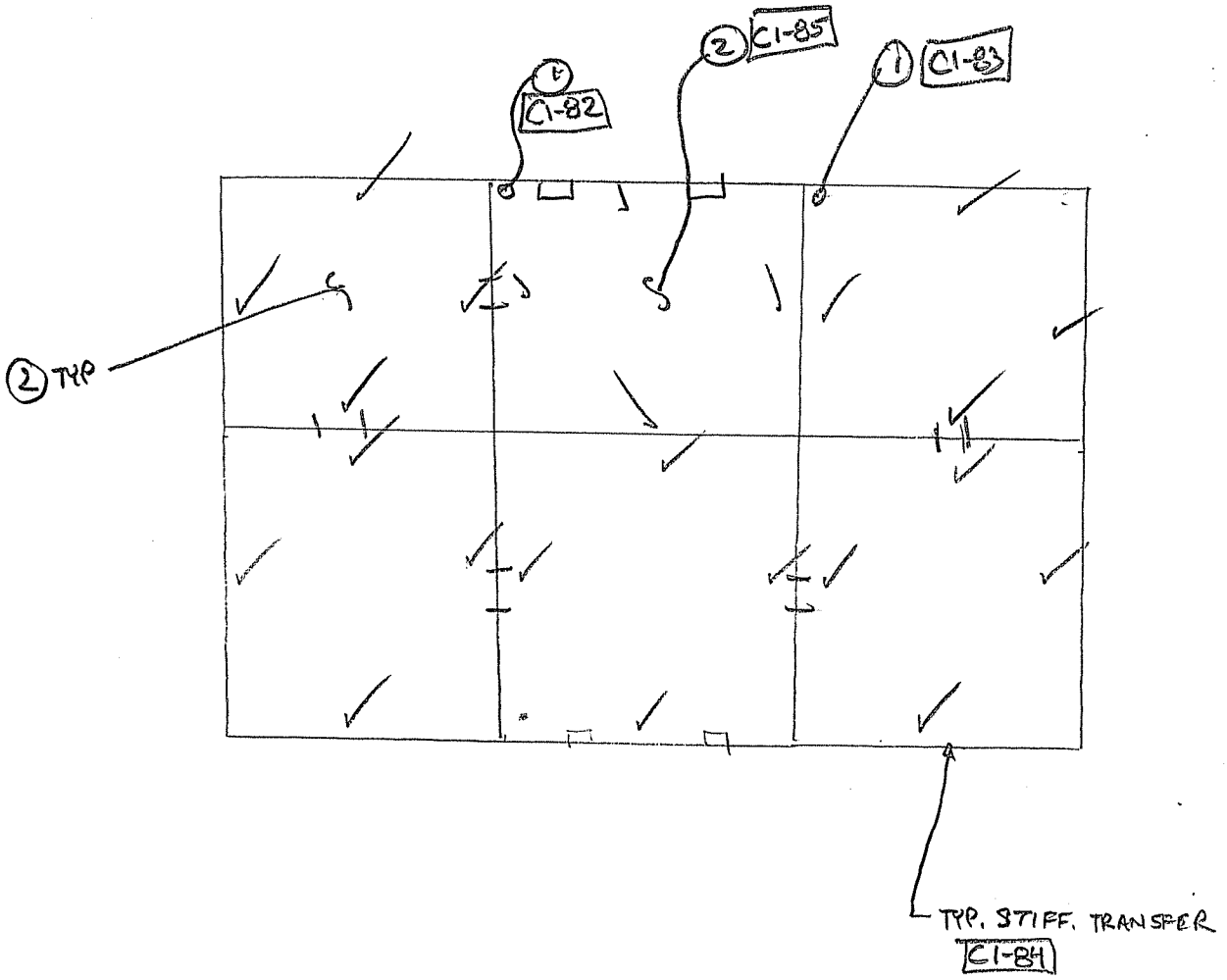
W COLUMN

TIER 20

N

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/6/08	1 of 12
		of

2T6
333



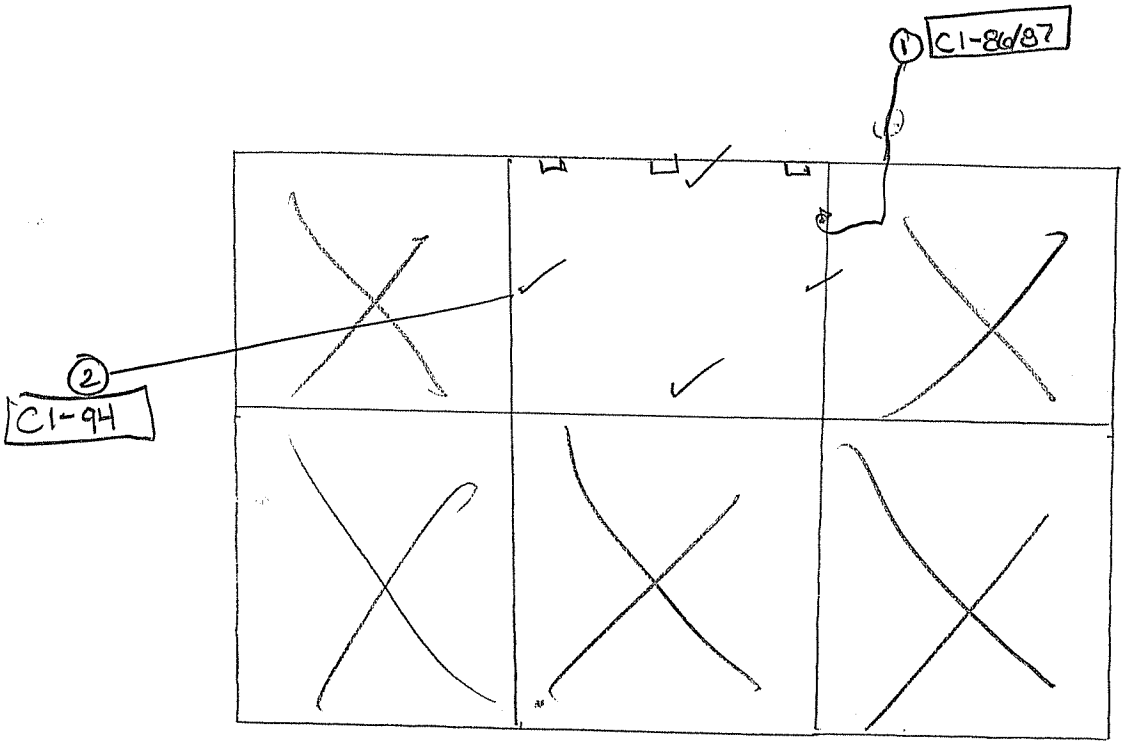
PIER 3

W COLUMN

TIER 21

NORTH

① MISSING ELECTRIC CONDUIT COVER C1-82	CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
② TYP RUST STAINING INDICATING HVY MOISTURE ON TOP DIAPH	NOTES BY:	TranSystems
	JOB: P710070019	
	CREW: BRC, BS	DATE: 3/6/08
		SHEET: 2 of 12
		of



PIER 3
W COLUMN
TIER 22

NORTH

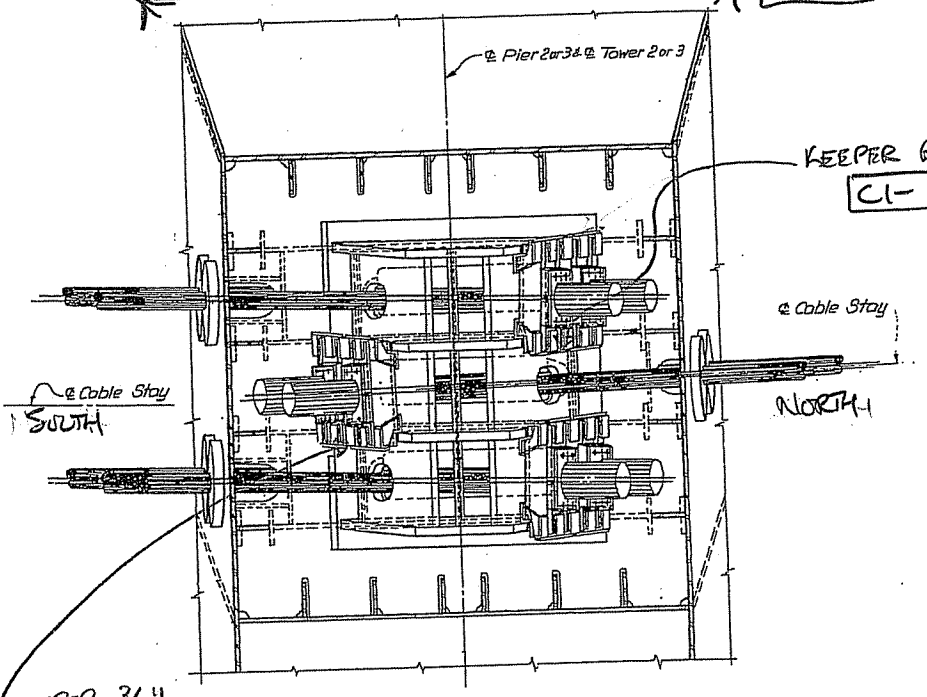
(1) 1/16" GAP BETWEEN K.B. & COL

(2) O-RING ON LOWER CABLE LOOSE ON UPPER HALF ½" GAP

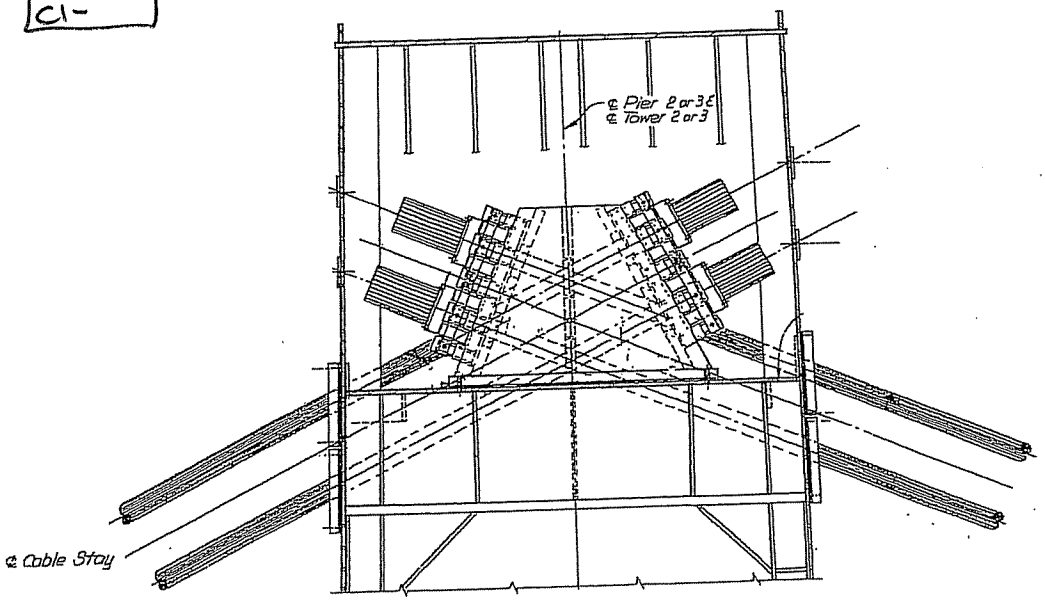
CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BRC, BS	3/6/08	3 of 12
		of

C1-9A

C1-9B



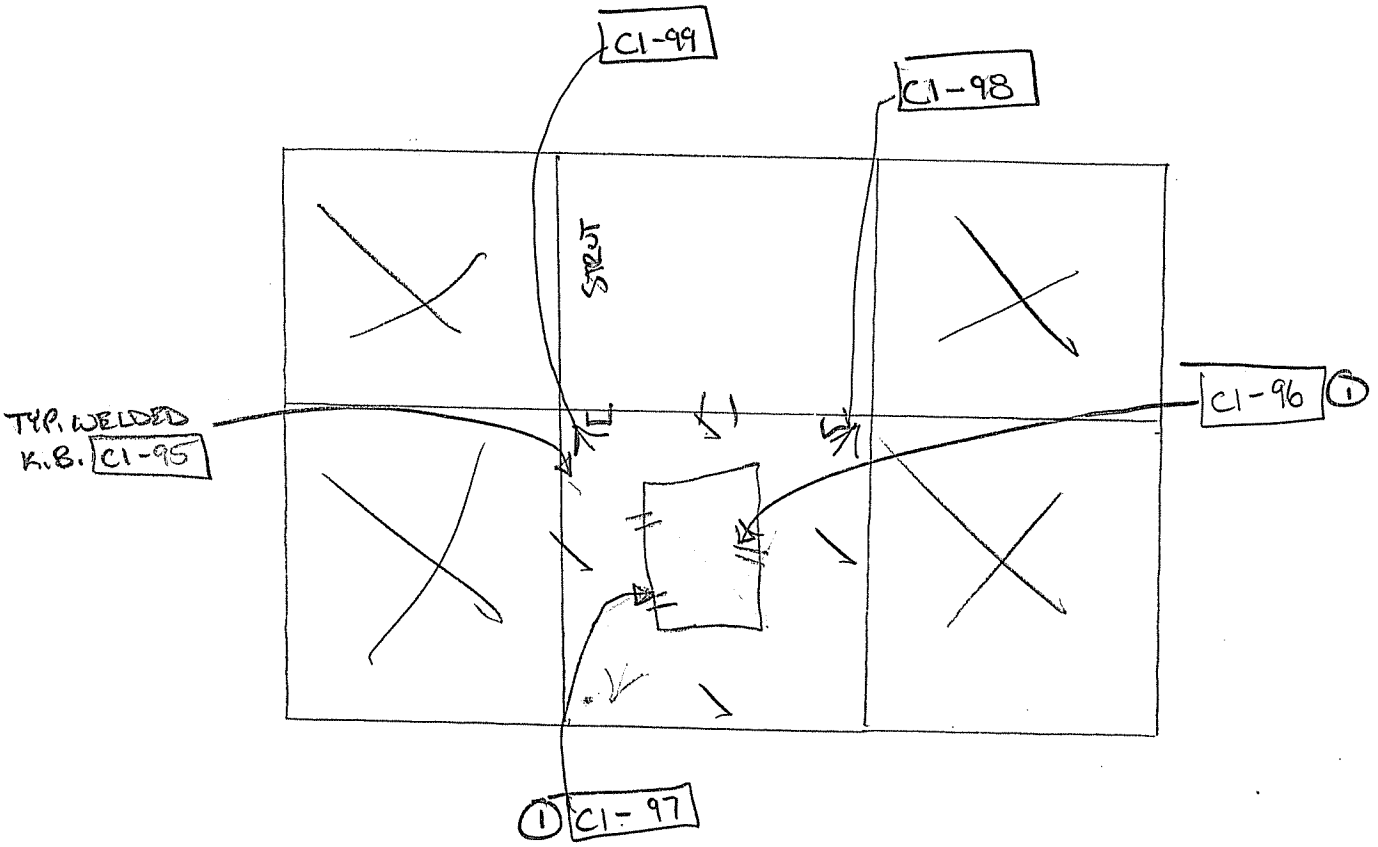
PLAN



PIER 3; W. COL.
TIER 23

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY: TranSystems	
TOWER 3	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC, BS	3/6/08	5 of 12
		of



PIER 3

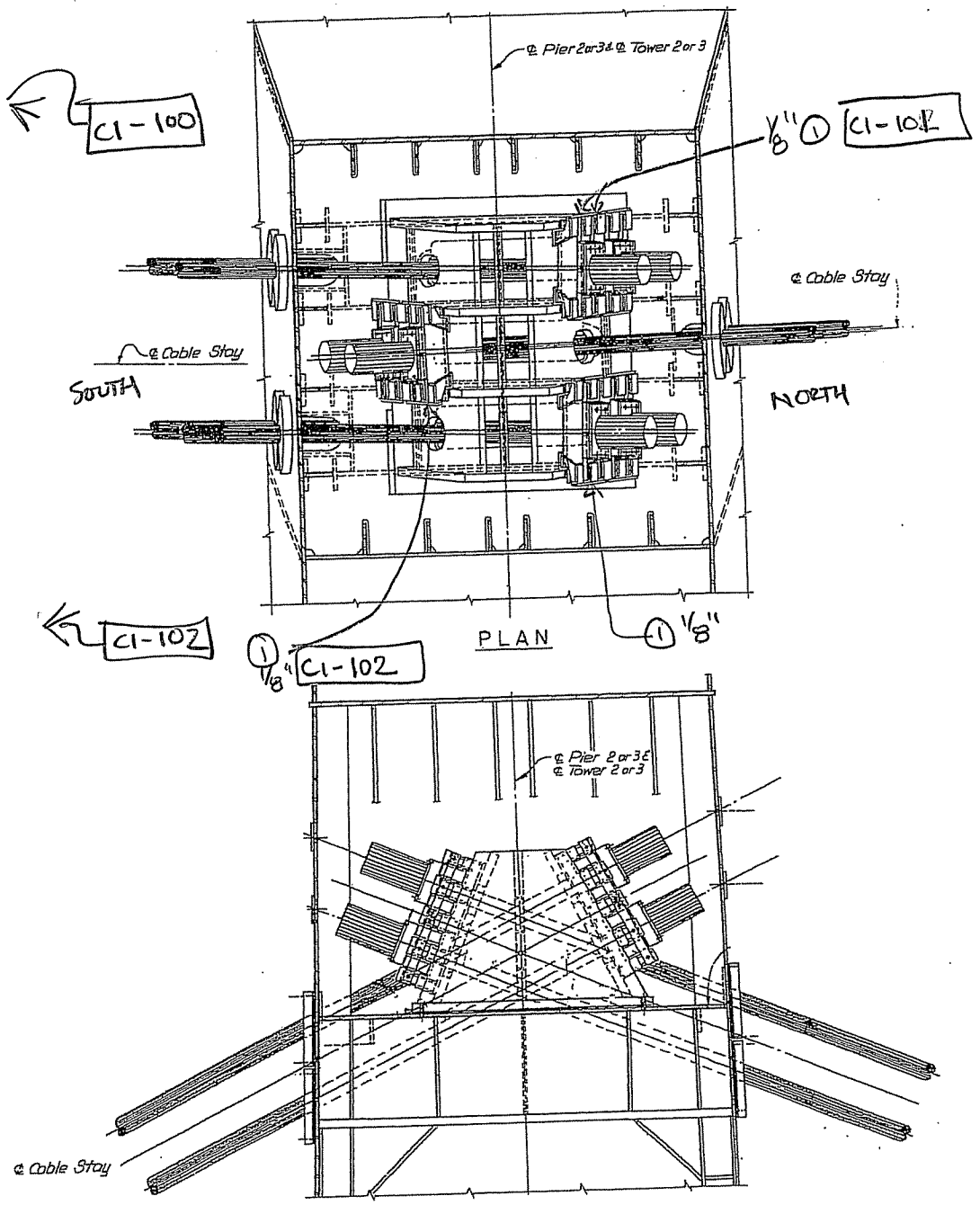
W COLUMN

TIER 23

NORTH

(1) BENT KEEPER R SEE DTL SHEET

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/6/08	4 of 12
		of

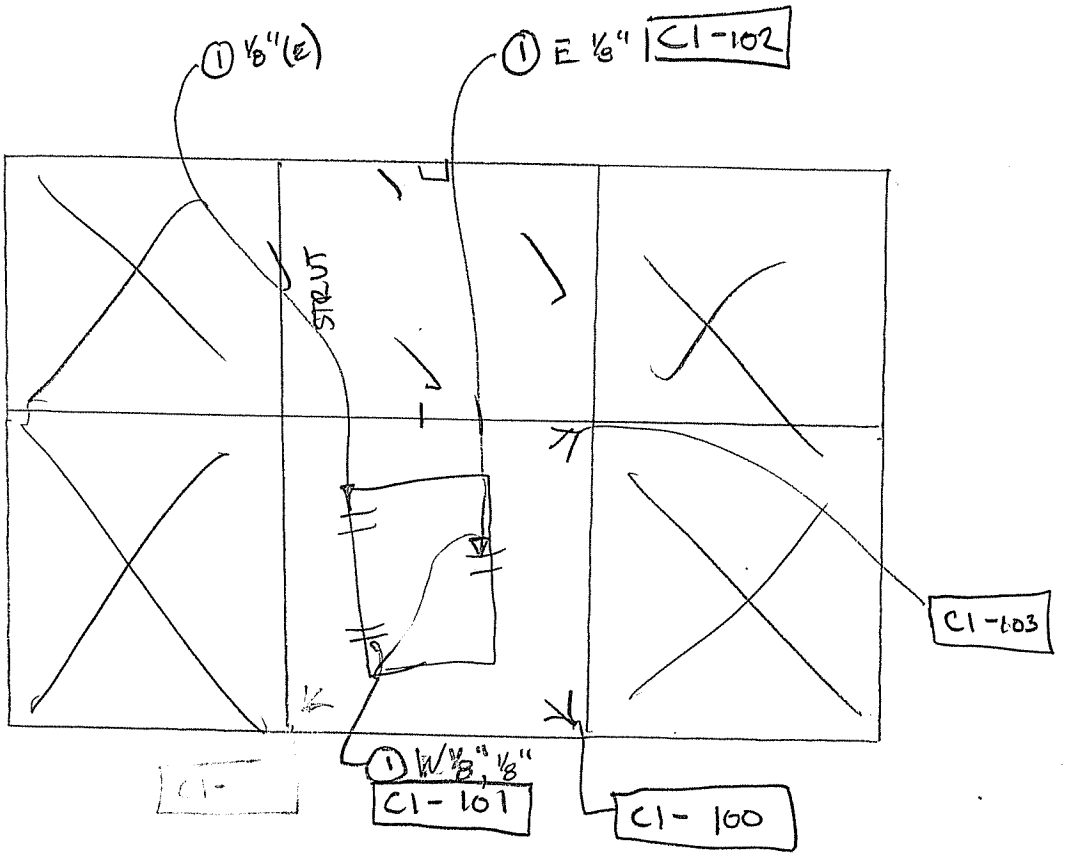


PIER 3, W. COL
TIER 2H

① BENT KEEPER

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA
NOTES BY:	TranSystems
TOWER 3	
JOB: P710070019	

CREW:	DATE:	SHEET:
BKC, BS	3/6/08	7 of 12
		of



PIER 3

W COLUMN

TIER 24

NORTH

TYP. LT RUST

① BENT KEEPER R

CTLGroup

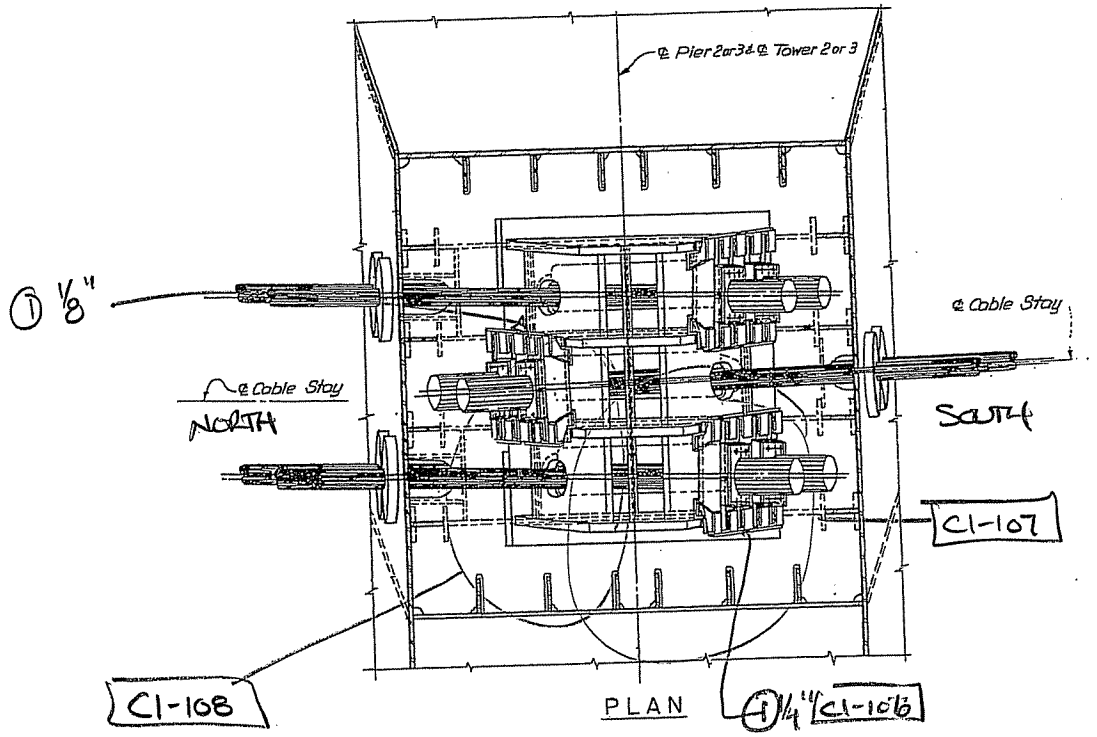
Bridge No: Luling Bridge

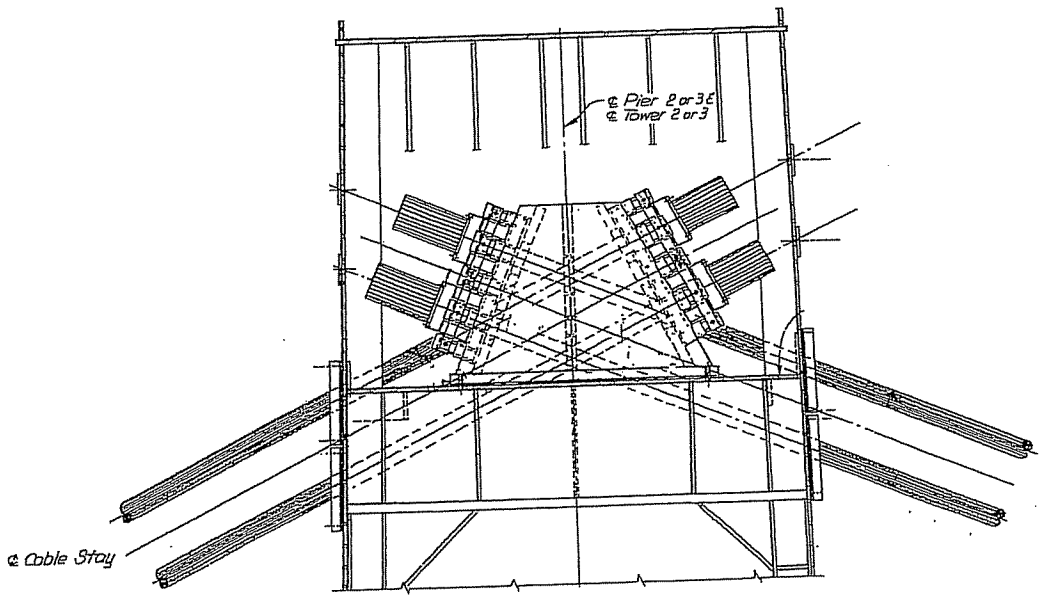
City/Town: Luling, LA

NOTES BY: TranSystems

JOB: P710070019

CREW:	DATE:	SHEET:
BKC, BS	3/6/08	6 of 12
		of

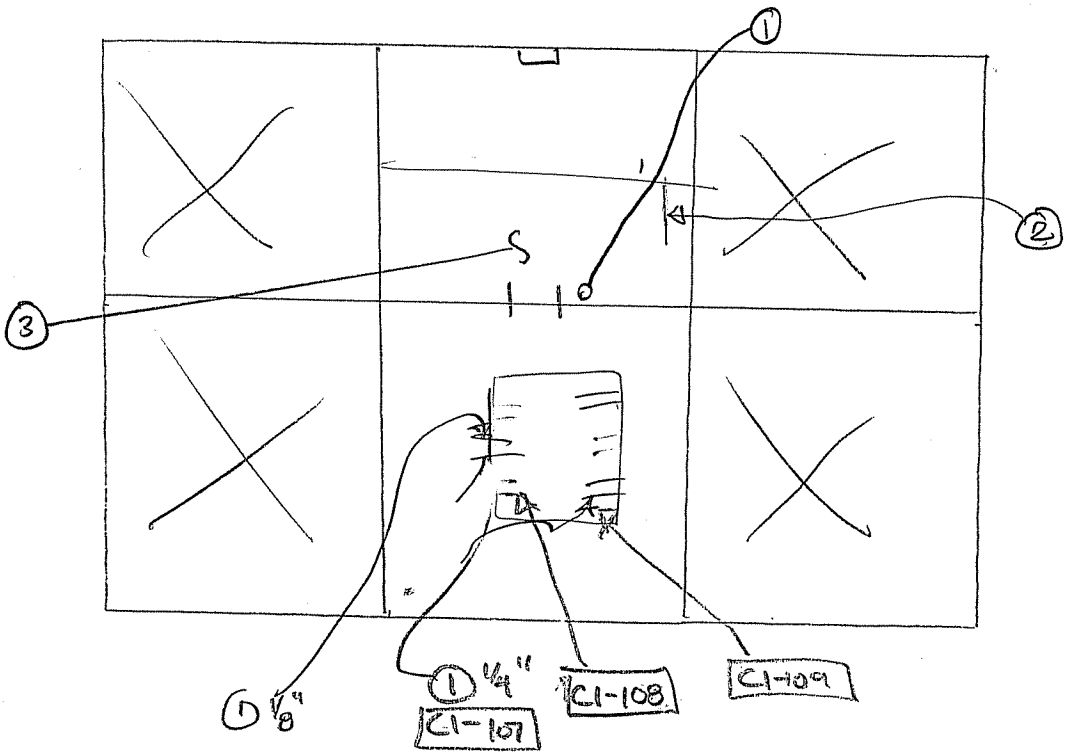




PIER 3, W. COL
TIER 25

① BENT WELDER

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY: TranSystems		
TOWER 3		
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/6/08	9 of 12
		of



PIER 3

W COLUMN

TIER 25

NORTH

1. LOOSE WIRE STW/ MISSING COVER C1-105
2. FIELD SP UNEVEN/GEN SHOT C1-104
3. 1/16" LMO PITTING ON FLOOR DIA.
4. BENT KEEPER PL

CTLGroup	Bridge No: Luling Bridge City/Town: Luling, LA	
NOTES BY:	TranSystems	
JOB: P710070019		
CREW:	DATE:	SHEET:
BKC, BS	3/6/08	8 of 12
		of

PHOTO LOG

JOB # P710-07-009	BRIDGE: HALE BOGGS	
TranSystems	CAMERA # C1	DATE: 3/3/08 3/4/08	CREW: BKC; MSJ

	DATE	PHOTO #	PHOTO DESCRIPTION
	3/3/08	C1-1	SPLICE PLATE TYPICAL, LIGHT RUST NW CORNER BAY, TIER 1
	3/3	C1-2	ANCHOR BOLT TYP. WEST CENTER CHAMBER TIER 1
	3/3	C1-3	TYPICAL HEAVY PIGEON DEBRIS WEST CENTER CHAMBER TIER 1
		C1-4	TYPICAL RUST SE CHAMBER, SE CORNER TIER 1/2 (CORNER WELD)
		C1-5	POOR WELD, TIER 3, EAST TOWER, CENTER EAST BAY, NORTHWEST CORNER
		C1-6	CLOSE UP OF CRACK IN C1-5 POOR WELD
		C1-7	CLOSE UP OF CRACK IN C1-5 POOR WELD
		C1-8	"
	✓	C1-9	SOUTH CENTER BAY TIER 4 SPLICE PLATE WELDED TO NORTH WALL (TYPICAL AT NORTH CENTER BAY ALSO)
		C1-10	NORTH WEST BAY, CORNER WELD TIER 4, RUST BELOW STIFFENER
		C1-10	"
		C1-12	Center West Bay South Face - Pipe through webs Tier 6
		C1-13	STRUT AT TIER 6 NORTH WALL TYPICAL DETAIL BOTTOM FLOOR CHAMBER 3
		C1-14	STRUT AT TIER 6, NORTH WALL TYPICAL DETAIL TOP FLOOR CHAMBER 3
		C1-15	STRUT AT TIER 6, CHAMBER 4, ANCHOR BOLTS FOR BOX GIRDERS AT TOP OF CHAMBER
		C1-16	STRUT AT TIER 6, CHAMB. 13, TYP. RUST ALONG NORTH WALL
		C1-17	GAP IN WALLS AT TIER 7 CENTER EAST BAY
		C1-18	"
		C1-19	Tier 10, Center East Bay S. WALL TYPICAL CONDITION
		C1-20	"
1	3/4/08	C1-21	TIER 11, COL. E2, CE BAY TYP WELD OTLS ALONG E. WALL
2		C1-22	" " "
3-4		C1-23 & C1-24	" "
5-7		C1-25 / C1-27	NE BAY, T12, P2, E. COL; 1/16" PITING ALONG E. WALL
8-9		C1-28 / C1-29	TYP. WATER INGRESS W/ RUST (SHOT T11, SW BAY, P2, COL E
10		C1-30	T13, SW BAY, W. WALL, COL E, P2; TYP LT-MOD RUST ON EXT. WALL
11		C1-31	T13, NW BAY, P2, E COL, 3'ϕ DRILLED HOLE (80-90%) FLEXD
12		C1-32	T13, NW BAY, P2, E COL, WATER COMING IN NW CORNER
13		C1-33	" " TYP. MOD. RUST ALONG SPL, NEG. SEC LOSS
14-15		C1-34/35	T19, SE BAY, P2, E. COL MOIS. ALONG BOT DIA. W/ PITTING UPTO 1/16"
16		C1-36	T19, NW BAY, P2, E. COL, TYP. MOD. RUST, NEG LOSS
17		C1-37	T21, P2, E. COL, NW BAY OPEN CONDUIT S/O CORNER
18		C1-38	" " TYP RUST INDICATING CONDENSATION
19		C1-39	T22, P2, E. COL TYP CABLE/WALL CON.
20		C1-40	" " TYP. KNEE CON
21		C1-41	" " TYP S. WALL ELEV.
22-23		C1-42/43	T23, P2, E. COL, N. CABLE ANCHORAGE W. KEEPER BENT
24		C1-44	" " S. EL. CABLE ANCHORAGE MISSING CABLE CAP
25		C1-45	" " TYP KNEE BRACE
		C1-46	T24, P2, E COL, ANCHORAGE SLIGHT BOW (1/4") ON E/O SIDE
27		C1-47	T25, P2, E COL, GEN. ANCHOR
28		C1-48	" " 295 NW ANCHORAGE
29		C1-49	" " 333 S ANCHORAGE CABLE/FLOOR CON.

PHOTO LOG

JOB # P710-07-0019 | BRIDGE: HALE BOGGS

TranSystems | CAMERA # C1 | DATE: 3/4/08 | CREW: BKC, MJS 3/4 - BKC, BS 3/5-3/6

	DATE	PHOTO #	PHOTO DESCRIPTION
30	3/4/08	C1-50	TOWER 3, S. ELEV.
31-33	3/4/08	C1-51/53	BRIAN/MATT DEMONSTRATING RAIL STIFFNESS
34/35	3/4/08	C1-54/55	TOP STRUT P2, TIER 23 SW CHAMBER, SOUTH END; SPL. PL (BOT) 20% LOSS ON NUTS/BOLTS & TO 1/8" PITTING @
36	3/4/08	C1-56	P2, W COL, TIER 4, SW CHAMBER TYP. WALL COND (WEST WALL SHOT)
37	3/4/08	C1-57	" " NC CHAM. TYP. BOT DIA. TO LBB CON. LT RUST
1	3/5/08	C1-58	P3, W COL, T2; SW BAY; SW MISSING BOLT ON SR. PL
2		C1-59	" " CE BAY; EW ~12" OF SAND/DEBRIS
3		C1-60	" " CW BAY; TYP. ANCHOR BOLT
4		C1-61	" " " " ; DAMAGED LADDER RUNG
5		C1-62	P3, W COL, T2, SE BAY, MOD RUST IN CORNER (SE)
6		C1-63	P3, W COL T3, CW BAY, DOUBLE PASS ON WELD TO LONG STIFF
7		C1-64	P3, W COL T4, CE BAY, TYP. COND. OF WALLS/SPLICES
8		C1-65	P3, W COL T5, CW BAY, TYP. LONG STIFF WELD
9		C1-66	P3, W COL T6, SW BAY, TYP. MOD. RUST/SEMI ACTIVE
10		C1-67	P3, W COL T7, SE BAY, MOD. RUST IN SE CORNER (SEMI-ACTIVE)
11-13		C1-68 TO 70	" " , CE BAY, STAINING & ABRASION DUST FROM UTILITY.
14		C1-71	P3, W COL T9, NW BAY; MOISTURE ON BOT DIA PL W/ UP TO 1/16" PITT
15		C1-72	" " ; MOISTURE ON CORNER BY TIER 10, W/SEMI ACTIVE COR.
16		C1-73	P3, W COL T11, CE BAY; TYP. SR PL BELOW GAP. WELDED (NO BOLTS)
17		C1-74	P3, W COL T12, CW BAY; TYP. WALL COND. (LT RUST/STAINING
18		C1-75	P3, W COL T13, SW BAY, LOOSE ACCESS HATCH NOT FULLY WELDED
19		C1-76	" " " NW BAY, MOISTURE & TYP. BAY COND. (LT RUST)
20		C1-77	" "T5 SE BAY; RUST STAINING IND. MOISTURE & DEBRIS
21		C1-78	" "T17, CW BAY, ELECTRIC CONDIT MISSING & LOOSE
22		C1-79	" "T17, SE BAY, HOR. RUST STAINING FROM FABRICATION
23		C1-80	" "CE BAY, LOOSE LIGHTING FIXTURE N. WALL
24	3/5/08	C1-81	" "T19, NE BAY, TYP. LT RUST/SHEATING ON SR. PLATES
1	3/6/08	C1-82	P3, W. COL T21, CE BAY, MISSING ELECTRICAL COVER
2	3/6/08	C1-83	" " " SE BAY, " " "
3		C1-84	" " " SW BAY, TYPICAL STIFF TRANSFER/LWALL COND.
4		C1-85	" " " CE BAY, TYP. INDICATIONS OF HUM. CONDENSATION (RUST IN DRIPPET SHAPE)
5-6		C1-86/87	P3, W COL T22, SE CORNER, 1/16" GAP BTWN KNEE & COL
7		C1-88	" " NW CORNER GEN. SHOT
8		C1-89	" " SW CORNER GEN. SHOT
9		C1-90	" " SE CORNER GEN. SHOT
10		C1-91	" " NE CORNER GEN. SHOT
11		C1-92	" " SW CORNER GEN SHOT
12		C1-93	" " NW CORNER GEN SHOT
13		C1-94	" " N. WALL, LOWER CABLE 1/16" GAP ON TOP
14		C1-95	P3, W COL, T23, N WALL, TYP. WELDED K.B.
15		C1-96	" " So ANCHOR BENT KEEPER 3/8" (E. SIDE)
16		C1-97	" " N. NW ANCHOR BENT KEEPER 1/4" (E. SIDE)
17		C1-98	" " 246 SE CORNER LOOKING NW
18		C1-99	" " 333 NE CORNER LOOKING SW

PHOTO LOG

TranSystems

JOB # P710-07-0019	BRIDGE: HALE BOGGS	
CAMERA # C1	DATE: 3/6/08 3/7/08	CREW: BKC, BS 3/6 BKC, BS 3/7/08

	DATE	PHOTO #	PHOTO DESCRIPTION
19	3/6/08	C1-100	P3, T24, SW CORNER LOOKING NE
20		C1-101	" " NW ANCHOR BENT PL 1/8"/1/8"
21		C1-102	" " SOUTH ANCHOR BENT PL 1/8"
22		C1-103	" " SE CORNER LOOKING NW
23		C1-104	P3 T25, STRUT BAY, UNEVEN FIELD SPLICE, BRACE
24		C1-105	"P3, " ", MISSING ELEC. COVER, LOOSE WIRES
25		C1-106	" " SW ANCHOR 1/4" BENT KEEPER W. SIDE
26/27		C1-107/108	" " ANCHOR ASSEMBLY LOOKING WEST (S THEN NORTH)
28		C1-109	N. APPROACH FROM P3
29		C1-110	W. CHANNEL APPROACH P3
30		C1-111	P2 N. ELEV
31		C1-112	E. CHANNEL APPROACH FROM P3
32		C1-113	BRIAN DEMONSTRATING SAFETY RAIL STRENGTH
33		C1-114	E.B.G. @ 1D3 TO FS2 SPAN 1, CONDUIT ACCESS HOLE
34		C1-115	E. TUB EAST OF FB6 SPAN 1, DECK SPLICE (FS2)
35		C1-116	E. TUB, FB6 SPAN 1, FE BEAM BRACE CON
36		C1-117	E. TUB, FB6, N ELEV SPAN 1, TYP. FB
37		C1-118	E TUB, FB6 SPAN 1, FB/CROSS BRACE CON
38		C1-119	E TUB, FB6, SPAN 1, FB/WEB/TOP DECK CON
	45	C1-120-126	E TUB SPAN 1, E. OF FB6 FS2 DECK MISSING BOLT BY W./WEB
46-48		C1-127/129	E TUB SPAN 1, DIA. 4 S. ELEV. (BOT, TOP WEST; TOP EAST)
49		C1-130	E TUB SPAN, DIA 4 (N. OF) TYP UNDERSIDE OF DECK
50		C1-131	E. TUB SPAN, NORTH OF 1D4 2nd PASS ON LONG. STIFF - TYP LONG STRAND
51-52		C1-132/133	@ FB 8 SOUTH SIDE, WELDMENT IRREGULARITIES
	53	C1-134	E. TUB SPAN 1 N. OF DIA 4, TYP. BOT FE SHOT
54	5	C1-135	E. TUB SPAN 1 S. ELEV DIA 5
55/56		C1-136/137	E. TUB SPAN 1, BTWN FB 9/DIA 5; ISO. ALENGTHS (6"-1') UNDERCUT BTN TOP FE & WEB
1	3/7/08	C1-138	E. TUB SPAN 1, N. OF DIA 5, BENT LONG STIFF'S (2½")
2		C1-139	" " FS 3, 3 LOOSE NUTS
3		C1-140	" " N OF FS 3 TYP 2" ϕ PLUGGED HOLES
4-6		C1-141-143	" " S. ELEV.
7		C1-144	" " W. WEB S. OF CG1 GEN. SHOT SNIPE & 3-2" ϕ PLUGGED
8		C1-145	" " " DTL SHOT 2-2" ϕ HOLE (PLUG)
9		C1-146	" " DTL SHOT 1-2" ϕ PLUG HOLE
10-11		C1-147/148	" " S. ELEV. CG1
12-14		C1-149/151	SPAN 1, CROSS GIRDER 1 EAST ANCHORS, EAST SIDE (GEN SHOTS)
15		C1-152	" " WEST ANCHOR, EAST SIDE LEAKING BOT.
16		C1-153	" " " LOOSE RUBBER
17		C1-154	" " BAY 7 LOOKING EAST
3		C1-155	" " BAY 7 LOOKING WEST
19		C1-156	" " BAY 6 PLA MISSING BOLT DRIFT PIN
20		C1-157	" " BAY 5 GEN SHOT ~~PA~~ PLA
21		C1-158	" " " " PLC

39 120
40 121
41 122
42 123
43 124
44 125
45 126

PHOTO LOG

JOB # 710-07-0019 | BRIDGE: HALE BOGGS

Train Systems | CAMERA # C1 | DATE: 3/7/07 | CREW: BRC, BS

	DATE	PHOTO #	PHOTO DESCRIPTION
22	3/7/08	C1-159	EG 1, SPAN 1, BAY 3 RA; 3 MISSING BOLTS, 4 PARTIALLY ON
23		C1-160	" " BAY 1 GEN SHOT OF ANCHORS LOOKING RB
24		C1-161	" " " BAY 2 MISSING BOLT TOP ANCHOR COV. R
25		C1-162	" " " 3" ϕ HOLE RA.
26/27		C1-163/164	E TUB SPAN 1, W. WEB BOT FF SNIPE BY CG1
28		C1-165	" " " 2" ϕ HOLE & PLUG BY CG1
29		C1-166	" " " TOP 2-3" ϕ HOLE & PLUG BY CG1
30		C1-167	E TUB PIER 1 PIN E. ELEV GEN SHOT
31-33		C1-168-170	PIER 1 TYP COND. (PIGEON DEBRIS ~1-2") GETTING IN VIA GAPS ON TUB DIA. STIFF
34		C1-171	SPAN 3 E. TUB N OF CG2, TYP. SR DRILLED HOLE W/ PLUG
35		C1-172	E. E. TUB, SPAN 3, DECK AT FS 6, MISSING NUT
36		C1-173	E. " " S. OF FS 6, TYP. PLUGGED 2" ϕ HOLES (SHOT W/ CW 6)
37		C1-174	" " N OF FB 20, 2 LOOSE BOLTS GN E. WEB NORTH STIFF.
38-39		C1-175/176	" " N OF FB 20, TYP. INT. STIFF BRUN FB'S
40-48		C1-177-185	E. BOX GIRDER SPAN 3, E. WEB 2ND STIFF N OF ID 9, 1" CR IN WELD MAT BTWN TRI STIFFGTOP
49-55		C1-186-192	" " " " 1ST STIFF S OF ID 10 1½" CR IN WELD MAT & TOP FF
56		C1-193	E BOX GIR, BOT FF IN BAY 5 OF ID 10 (TYPICAL COND)
1-5	3/8/08	C1-194-198	E BOX GIR, E. WEB, 1 STIFF N. ID 10 1" CR IN WELD BTWN STIFF TOP FF
6-8		C1-199-201	" " W WEB, FB 23 UNDER CUT IN TOP FF & FB AT WEB JUNCTURE
11		C1-202-204	" " E. WEB, 2 STIFFS. ID 11 1½" CR IN WELD & TOP F
12-13		C1-205/206	" " W. WEB, S OF ID 11 TYP. COND.
14		C1-207	" " E. WEB, S OF FB 25 TYP LARGE DELAM SHEETS GOING
15-16		C1-208/209	" " UNDER SIDE OF DECK AT FS 7, 2 MISSING NUTS/TYP. COND
17		C1-210	" " BETWEEN FB S. OF CG # 3, E. WEB, 1-2" ϕ HOLE & SNIPE
18		C1-211	" " " ; W. WEB 1-2" ϕ HOLE, 1-3" HOLE
19-22		C1-212-215	" " S. ELEV CG 3
1	3/10/08	C1-216	E. CROSS GIR. 3, BAY 7, TYP LEAKING ANCHOR (SHOT LOWER)
2	3/10/08	C1-217	" " " " TYP LOOSE SEAL (SHOT LOWER)
3-5		C1-218-220	" " " GEN SHOTS ANCHORAGE & BAY (LOOKING EAST)
6/7		C1-221/222	" " BAY 6 GEN SHOTS LOOKING WEST
8		C1-223	" " BAY 5 GEN SHOT LOOKING EAST
9		C1-224	" " BAY 4 SR R AT RA/B
10		C1-225	" " " RA MOD. RUST AT W. END
11		C1-226	" " BAY 3 WEST GEN SHOT W. END DIA.
12/13		C1-227/228	" " BAY 2 GEN SHOT W. END DIA.
14		C1-229	" " BAY 1, RB RUST STAINING
15		C1-230	" " " RA 3" ϕ FOR CONDUIT
16		C1-231	" " " WATER LEAKING & DISCOLORED SEAL
17		C1-232	" " " GEN SHOT LOOKING AT TOP OF ANCHORS
		C1-233	E. BOX GIR. WIND FERRING, FB 36, DAMAGED PIGEON NETTING
19		C1-234	" " " TYP. PIGEON DEBRIS
20		C1-235	" " " TYP. @ SCUPPER HOE IN RB
21-26		C1-236-241	" " TYP. FB CON. SIELEV FB 36 SHOWN

PHOTO LOG

TranSystems

JOB # 710-07-0019	BRIDGE: HALE BOGGS	
CAMERA # C1	DATE: 3/10/08	CREW: BKC, STY

	DATE	PHOTO #	PHOTO DESCRIPTION
21	3/10/08	C1-242	E. BOX GIR, WIND FERRING W/ 100% LOSS 3"x2" PL B
28		C1-243	" " PL B 100% LOSS 30"L x 2" TALL
29		C1-244	" " N. FB 36 2'6" x 6" HOLE IN FERRING PL B
30/31		C1-245/246	" " " " , 2"x1" HOLES PL A
32-35		C1-247-250	" " TYP. PAPER THIN W/ SMALL HOLES Hole FB36
36		C1-251	" " TYP PL C SHOT BTWN FB 37b/TD15
37		C1-252/253	" " FB 38 POROUS WELD
1			
1	3/11/08	C1-254	Flaking Rust, lower corner of lower strut to tower connection, North Tower, West Face
		C1-255/256	I.R. AT SPLICE CONNECTION, NORTH FACE, NW corner, North Tower
		C1-257	2'-0" x 4" 100% section loss At plate B of E. Girder wind Ferring
		C1-258	100% section loss, E Girder, wind Ferring, At FB 39, 12" x 4" Plate B
		C1-259	Pitting & 100% section loss, 1"ϕ & 1/2"ϕ holes, E Girder, Wind ferring @ FB 39 Plate B
		C1-260/261	100% Section loss at FB 41, looking South, E Girder, wind Ferring, Plate B.
		C1-262	100% Section loss at FB41 to FB42 looking North, E Girder, Wind Ferring
		C1-263	E Girder, Wind Ferring FB41 Bent Bottom flange, Looking North
		C1-264	E Girder, wind Ferring, FB41, 100% loss in Ferring
		C1-265	E Girder, Wind Ferring FB41 Bent bottom Flange, Looking South
		C1-266	UP INDICATION 3/4 OF WAY UP EAST TOWER FACE TOWER 3
		C1-267	SHOT OF EAST FACE, TOWER 3 LOOKING DOWN ON B/S. EMPLOYEE
	3/12/08	C1-268	E Girder, E WALL BAY CG5 TO ID21, RUST, MINOR SECTION LOSS IN BOLTS? NUTS IN SPLICE PLATE AT TOP OF WALL.
		C1-269	E GIRDER, BROKEN LADDER CLIP FROM C.G. 5 INTO BAY
		C1-270	E GIRDER, E. SIDE OF ID21, CONDUIT RUBBING ON DIA.
		C1-271	Pack Rust @ 2nd Field Splice From bottom SW corner Tower 3, West face of East leg
		C1-272	" " "
		C1-273	" " "
		C1-274	South Face lower Strut Tower 3 East End
		C1-275	" "
		C1-276	General Shot Top Splice South Face looking down Tower 3, East leg
		C1-277	Cable Anchors Tower 3 South Face, East leg, lower cable of top anchorage
		C1-278	" " "
		C1-279	" " "
		C1-280	Broken Wire Screen @ cable anchor Tower 3 South Face, "
		C1-281	Very Top Cable intact Screen Tower 3 south Face, east leg
		C1-282	Pigeon Excrement & dirt on Wind Ferring Plate B @ Stiff @ FB43 E. Girder
		C1-283	Heavy Pitting 100% section loss near 2nd St. From Top PL B N. of FB43 E. Ferring, E Girder
		C1-284	7'x4" heavy pitting section loss PL B E wind Ferring @ Top longstiff btwn FB44 & ID18, E Girder
		C1-285	General Shot E Ferring PL B looking South, E Girder
		C1-286	East Ferring underside of deck missing nut @ bracket btwn FB 47 & FB48, E. Girder
		C1-287	Hole in Weld @ ID19 South side @ underside of deck, edge of deck, debris E. Ferring E Girder
		C1-288	" "
		C1-289	3 missing Screens E. Ferring Underside of deck @ FS 12 3 closest to edge of deck, E. Girder

PHOTO LOG

JOB #	BRIDGE: Hale Boggs	
TranSystems	CAMERA # 1	DATE: 3/13/08 3/14/08	CREW: SWB/PGN/CTY

DATE	PHOTO #	PHOTO DESCRIPTION
3/13/08 1	C1-290	EAST BOX GIRDER, BTWN FB52:53 D-METER MEASUREMENTS
2	C1-291	" " " " "
3	C1-292	E.BG, EAST WEB CRACK @ TOP STIFFENER WEB, PROPAGATED 1" INTO TOP FLG
4	C1-293	" " " " " " "
5	C1-294	" " " " " " "
6	C1-295	" " " " " " "
7	C1-296	E.BG, WEST WEB, GAP UP TO 1/4" BTWN TOP FLG & SPLICE PLATE
8	C1-297	E.BG, WEST WEB, GOUGE IN WEB PLATE, UP TO 1/8" DEEP, NEAR TOP FLANGE
9	C1-298	E. FERRING BTWN CG5:6 - MISSING SCREW @ DECK RIB
10	C1-299	" " " " " "
3/14/08 1	C1-300	Typ. Pitting on Tower (W. Face Tower 3 West leg)
2	C1-301	W. Side of cable guide for cable 9 Tower 3 West leg
3	C1-302	" " 8 " "
4	C1-303	" " 7 " "
3/17/08 1	C1-304	EAST BOX GIRDER BEARINGS @ PIER 15
2	C1-305	EAST B.G., GOUGE IN EDGE OF BOTTOM FLANGE NEAR FB1
3	C1-306	TYPICAL EXT. DIAPHRAGM (EXT. DIAPH #3, SOUTH FACE)
4	C1-307	" " "
5	C1-308	EXTERIOR DIAPHRAGM SPLICE (EXT. DIAPH #2, NORTH FACE)
6	C1-309	SPLICE @ FB4, BOTTOM FLANGE "BENT" / SLIGHT MISALIGNMENT
7	C1-310	TYPICAL EXT. DIAPHRAGM (EXT, DIAPH. #2, NORTH FACE)
8	C1-311	GAP IN WELD BTWN FB WEB & TOP FLANGE // LEAKAGE @ EAST EXTERIOR
9	C1-312	" " " " " " "
10	C1-313	TYPICAL PITTING @ GIRDER EXTERIOR
11	C1-314	EAST CANTILEVER OF FB9, BOTTOM FLANGE @ SPLICE BENT
12	C1-315	" " " " " "
13	C1-316	EAST CANTILEVER OF FB11, BOTTOM FLANGE @ SPLICE BENT
14	C1-317	ARRESTED CRACK @ BOX GIRDER SPLICE / CROSS GIRDER CONNECTION
15	C1-318	" " " " "
16	C1-319	GAP @ UPPER DIAGONAL PLATE @ CG1 / E.BG, WEST FACE (1/8" GAP)
17	C1-320	" " " " "
18	C1-321	EAST BOX GIRDER / CROSS GIRDER / CONNECTION (WEST FACE)
19	C1-322	" " " " "
20	C1-323	" " " " "
21	C1-324	EAST BOX GIRDER / CROSS GIRDER / CONNECTION (FROM SOUTH)
22	C1-325	TYPICAL DEBRIS @ EXTERIOR OF CG1 / EAST BOX GIRDER
23	C1-326	EAST BOX GIRDER - WEST WEB W/ TWO DENTS UP TO 1/8" DEEP
24	C1-327	" " " " " "
25	C1-328	TWO VOIDS IN FB. WEB / TOP FLG WELD @ FB14
26	C1-329	LEAKAGE FROM DECK @ SPLICE @ ID8
27	C1-330	" " " " " "
28	C1-331	HEAVY FLAKING RUST @ CROSS GIRDER 2 @ CONN. TO EAST BOX GIRDER

PHOTO LOG	JOB # P100070019	BRIDGE: HALE BOGGS	
TranSystems	CAMERA # C 1	DATE: 3/17/08	CREW:

DATE	PHOTO #	PHOTO DESCRIPTION
3/17/08 29	C1-332	EAST BOX GIRDER CONNECTION TO CROSS GIRDER 2, EAST SIDE w/ 1/4" LOSS
30	C1-333	ALONG PLATE.
31	C1-334	" " " "
	C1-335	EBG; FS7 ; MISSING PIGEON CAGES AT U/S DECK RIBS
	C1-336	U/
	C1-337	E.G. E ST
	C1-338	U/S DECK AT FR 23
	C1-339	
	C1-340	
	C1-341	
	C1-342	
	C1-343	
	C1-344	
	C1-345	
	C1-346	
	C1-347	
	C1-348	
	C1-349	
	C1-350	
	C1-351	
	C1-352	
	C1-353	
	C1-354	
	C1-355	
	C1-356	
3/21/08	C1-357	GENERAL SHOT E. SIDE COLUMN 2 ; SOUTH FACE AT UNDERSIDE ABOVE BEARINGS
	C1-358	SOUTH KICK R NEAR N.E. TOWER AT TOP OF BOTTOM STRUT / 100.1' LOSS 8" W x 2" H O/I.R AT TOP OF COVER PLATE
	C1-359	EAST WIND FERRING ; N. FB35 / 100.1' LOSS 32" L x 5" HIGH
	C1-360	NORTH END EAST W. FERRING MISSING PIGEON CAGES / 100" LOSSES TO CAGE BRACING
	C1-361	" " " "
	C1-362	MULTIPLE 100.1' LOSSES UP TO 1 1/2" @ E. WIND FERRING ALONG FB36
	C1-363	100.1' LOSS 25" L x UP TO 12" HIGH. E. WIND FERRING NEAR FB36
	C1-364	GENERAL SHOT E. WIND. FERRING ; NEAR TOWER 2
	C1-365	FB 39 NEAR E. BOX GIRDER / 1 3/16" I.R. AT BOTTOM FLANG COVER PL
	C1-366	GENERAL SHOT EAST WIND FERRING AT TOP FACE
	C1-367	BENT CORNER E. WIND FERRING AT FB 38 NEAR BASE OF BOX GIRDER
	C1-368	1/4" SCREW HOLE ; U/S DECK W/ SURFACE RUST B/T JD 17 - FB 41
	C1-369	100.1' LOSS NEAR FR 39 / EAST WIND FERRING
	C1-370-371	Splice South side Tower 3 WEST (Splice above lowest set of cables)
	C1-372	Elevation View of cables at Top of Tower 3 South East
	C1-373	Tower 3 looking South onto bridge

PHOTO LOG	JOB # P710070019	BRIDGE: Hale Boggs	
TranSystems	CAMERA # C1	DATE: 3/21/08 to 3/25/08	CREW: WRW/CTY/CRS

DATE	PHOTO #	PHOTO DESCRIPTION
3/21/08	C1-374	Tower 3 looking South onto bridge
	C1-375	Typical cable sheath
	C1-376	3/4" I.R. AT Top Cable 9 South Face Tower 3 West leg
3/22/08	C1-377	100% section loss on Exterior E. face E. Wind Ferring N. of CG 4
	C1-378	I.R. up to 3/4" Exterior E. face of Wind Ferring East @ splice plate just N. of CG 4
	C1-379	Cr. @ crack Arrest hole Ext. West Web of E.B.G @ lowest hole below diagonal splice
3/24/08	C1-380	Missing bolts on plate
	C1-381	FB 52 Bottom flange, loss on splice plate
	C1-382	Loss on connection plate FB 57
	C1-383	Deck splice plate over-laps other plate
	C1-384	Misaligned connection on east plate of FB 60
	C1-385	Wind farring damaged
	C1-386	Loss on deck splice plate
	C1-387	ID 27 bolts on splice connection, loss no threads on bolt
	C1-388	Plate on farring, loss around edges
	C1-389	Bracket for deck gap on nut and plate
	C1-390	Gap in caulk around cables
	C1-391	Caulk around cables cracking
	C1-392	Loss on plate around edges
	C1-393	FB 77 missing nut on bracket for deck
	C1-394	FB 78 missing bolt on splice plate
1-2 3/25/08	C1-395/396	2 WF Rust pack first splice off deck (1"), P2, E.COL., W.F.
3	C1-397	PIER 2, EAST COL, W.F. 1st FS OFF DECK TYP. COND
4-5	C1-398-399	" " 2ND F.S. 1" ~~GAP~~ P.R. BTWN FS & WEB
6	C1-400	" " 4th F.S FROM DECK LOWER CABLES, ANCHORAGE ASSEMBLY
7	C1-401	" " MIDDLE ANCHORAGE, S.F., 1/2" P.R.
8	C1-402	PIER 2 LOWER STRUT. S.F. LOSS OF KICKGUARD LT-M @ RUST
9	C1-403	E. TUB. E WEB BTWN FB 83/84, 100%/0 SEC. LOSS 5'x6"
10	C1-404	TYP. ELEV OF ID 35 S. ELEV
11-12	C1-405/406	TYP. BOLT COND. THREADS/NUTS MINOR LOSS, FB 85 S.F.
13	C1-407	E. TUB, E. WEB, BY FB 85. TYP ~30"x3" 100% SEC LOSS
14	C1-408	" " SHOT FB 86 TYP LOSSES ALONG FERRINGHT STIFF
15	C1-409	BTWN FB 87/88, BTWN E/W TUB MISSING NUT.
16	C1-410	S.F. ELEV. PIER 3 DIA. BTWN E/W. TUBS.
17	C1-411	N. ELEV. FB 91, E. TUB, E. WEB. TYP. COND
18	C1-412	1" Ø HOLE ON E TUB, W. WEB W/COVER
19	C1-413	BTWN FB 95/96, BTWN TUBS, BRACKET FROM DECK
20	C1-414	N. ELEV FB 95, BTWN TUBS
21	C1-415	GEN SHOT E. TUB, E. WEB BTN FB 96/ID 40
22	C1-416	GEN SHOT N. ELEV C. GIR. 10, ON. EAST SIDE

PHOTO LOG	JOB #	BRIDGE: Hale Boggs - Luling, LA	
TranSystems	CAMERA # C1	DATE: 3/26/08 -	CREW: SGB, JHR

DATE	PHOTO #	PHOTO DESCRIPTION
3/26/08	C1-417	Looking N. from pier 2 typical
	C1-418	Lon. cracking in pavement 2" E. of SWL, repeating pattern 15'-6" apart (pic. look S.)
	C1-419	Lon. cracking in pavement E. lane, W. wheel line, 2 cracks, pattern 6" apart parallel
	C1-420	Typical median barrier & top of deck looking W.
	~~C1-421~~	~~Typical top of deck looking W.~~
#5	C1-421	Typical pack rust deformation at top of splice # E. Tower E. face
#6	C1-422	Typical view of E.T. E face from just above deck level
#7	C1-423	Typical view of E.T. E.face S.E. corner
#8	C1-424	General picture of deck lk. S from E.T. E face
#9	C1-425	Changes in # thickness just below splice 7 E.T. E.face SE corner
#10	C1-426	Electric chord hanging at top ET P2 & E. face
#11	C1-427	Typ. Cond. rust pack at splice # from top P2 ET SE cor. E face
#12	C1-428	Gen. picture from base P2 ET E face.
13	C1-429	Gen pic. East Elev. P2 ET E face looking E.
#14	C1-430	Gen Pic Deck from P2 ET E face lk. N
	C1-431	CG 10 missing bolt bottom flange
	C1-432	P.R. bottom CG10 and flange connection
	C1-433	Missing 2 nuts on bracket connecting deck to E.S. BG side.
	C1-434	Missing 1 nut on bracket E. BG, N. FB 100 to connect BG to deck
	C1-435	" " , N. FB 101 to connect FB to deck 1/8" Gap R to Fi
3/27/08	C1-436	Gen Picture at CG7 lk N of N.bound deck
2	C1-437	N.B. Deck at CG 8 - typ. long. ck. at SWL see yellow keil crows feet (lk So.)
3	C1-438	6' long long crk 30' S CG 8 (lk So.)
4	C1-439	Patches in West Travel Lane lk N just So. and at C.G. 9
5	C1-440	INTermediate cracks btw reg. spaced long ck 30-45' S. CG. 9
6	C1-441	Gen Pic at C.G. 9 lk N of N. Bd. Deck
7	C1-442	Pop out 25' S CG. #9 in center East Travel lane.
8	C1-443	Long. crks at SWL lk N from CG. 9
9	C1-444	Typ. long. ck 45' S of P.3.
10	C1-445	long cks parrallel in west wheel line East Lane N.Bd. (P3 shadow in foreground)
11	C1-446	patch in East Lane NBd 30' So. C.G. 10 14'-6" x 12'-6" (LxW).
12	C1-447	2-6' long crk 60' N. CG. 10 in W. Wheel Line East Lane. 1/8"-1/2" wide.
13	C1-448	parrallel long. crks just So. of CG 10 in W. wheel line E.L. N.Bd.
14	C1-449	n. end bot. E. splice # horizontal brace btw. P2 East and W. Tower legs
15	C1-450	Top N. ~~end~~ splice # horizontal brace/br. seat btw. P2 E. & W. Tower legs drainage
16	C1-451	Missing bird screen S. end wind ferring main span east wind ferring P2 at
17	C1-452	Typ. debrie N. end top E. splice plate horizontal brace P2 btw E & W. Tower legs.
18/19	C1-453-454	N end E. top splice plate debrie and bolt head loss 10-20% P2 btw E & W. Tower legs.
20	C1-455	(So. end not as bad) Protruding bolt head 6th splice # P2 E Tower W. face 9th bolt from N. end
21	C1-456	lk. up from bot. anchorages P2 E tower N face
22/23	C1-457/458	Views of E face W. leg P2 ~~from~~ from E. tower

PHOTO LOG

TranSystems

JOB # P710070019	BRIDGE: Hale Boggs Luling, La.	
CAMERA # C-1	DATE: 3/27 – 3/28	CREW: SGB

DATE	PHOTO #	PHOTO DESCRIPTION
3/27/08	C1-459	Moisture build up E. CG 11 top near ℄ from BG
	C1-460	Crack in Crack arrest hole
	C1-461	FS 28, E.S. misaligned BG connection approx. 5/8"
	C1-462	P.R. ID45 E. splice 1st ST. from bottom
	C1-463	W.S. BG, 1" N. FS 29 missing plug, S. end BG lon. splice.
	C1-464	B.S. BG wall, below FB112, hole in wall w/ loose bolt in it.
	C1-465	Pier 4 top of concrete, N.S., spalled edge by handrail mounts
3/27/08	C1-466	ID 47 W. FB outside BG, P.R. and misaligned bottom ℄
	C1-467	FB117 W.S. of BG, bottom splice on ℄, 1/8" loss on btm. ℞
1	C1-468	Missing bird screen at 1st rib west of E. box N of ID37 at splice FS23
2	C1-469	E. Wind ferring C btw. FB83-FB84
3/28/08 3	C1-470	hole btw. FB83 & 84 near bot. C
4/5	C1-471 & 472	General cond. of 1/2" ϕ or L holes at top rib btw. FB's or ID's.
6	C1-473	holes just south FB85 at bot C
7	C1-474	6" x 26" h. just N. ID36.
8	C1-475	Gen. conds. at ID36 bot half of C
9	C1-476	Looking down at C at FB89
10	C1-477	Top of wind ferring lk. S from FB89
11	C1-478	Missing bird screen at N end E wind ferring P3
12	C1-479	discolloration at end FB90 Ferring Connection
13	C1-480	General Photo of Ferring ℞ C Lk. S from P3
14	C1-481	General Photo of Ferring ℞ D Lk N to P3 at ≈ID 37
15	C1-482	Meander in h.l. crk. at SWL ≈ 30' S. of PIN
16	C1-483	H.L. crk 4' west of SWL ≈ 60' S of PIN Lk. N.
17	C1-484	H.L. crks in West W.L. of East L. Lk. S.
18	C1-485	minor rustpack at bot. splice pl FB119.
19	C1-486	missing bolt at splice deck btw ID50 and FB121
20	C1-487	missing bird screen.
21	C1-488	missing not
22	C1-489	missing bird screens at F.S. 32
23	C1-490	hole in rib 4th West of E. box N. of F.S. 32 ; 5/8" ϕ
24/25	C1-491/492	Concrete for deck joint leaching w/ drip line down E box ℞ A
26	C1-493	Concrete for deck joint on east side E. box at Pier 1 N
27	C1-494	General Picture of outside of bridge rail just S Pier 1N lk N
28	C1-495	Typical pop out in deck wearing surface btw CG12 and Pier 1N

PHOTO LOG	JOB #	BRIDGE: HALE BOGGS	
TranSystems	CAMERA # C1	DATE: 3/31/08	CREW:

	DATE	PHOTO #	PHOTO DESCRIPTION
1	3/31/08	C1-496	W. WIND FERRING INT. N. FB61 8"x4" HOLE ON FERRING BY 3rd STIFF TOP
2		C1-497	" " S. FB61, 3" ϕ, 1/8" DENT W/GOUGE 1/8" Dx1/16" W
3		C1-498	" " TYP. FERRING COND. LT DEBRIS ON STIFF
4		C1-499	" " TYP. FB (N. ELEV FB60 SHOT)
5		C1-500	W. END CG 6, N. TOP PL 5' PITTING 4"-8" WIDE UP TO 3/16" DEEP
6		C1-501	W. WIND FERRING INT. TYP. RT ROA DEBRIS ON UPPER STIFFS
7		C1-502	" " BTWN CG 6/7, BY FB65 TYP. WATER DRAIN MARKS
8		C1-503	" " TYP. FB SPLICE SHOT AT FB65
9		C1-504	" " BTWN ID27 & CG 7 MOD TO HVY DEBRIS ON LOWER STIFF
10		C1-505	W. WIND FERRING INT BTWN CG 7-8; 100% LOSS FERRING 3'x4" 3rd STIFF FRM [illegible]
11		C1-506	" " TYP LT DEBRIS ON TOP OF STIFF ID28/29
12		C1-507	" " TYP MOD-HVY DEBRIS ON TOP OF STIFF ID28/667
13		C1-508	" " GEN SHOT W. WEB BOX GIR @ FS 18
14		C1-509	S. CG 8 ON WEST SIDE UP TO 1/4" PITTING ON TOP PL FOR 3' L & UP TO 1" WIDE
15		C1-510	W. WIND FERRING INT. BTWN CG 7 & 8; TYP LT DEBRIS ON STIFF ID 29-31
16		C1-511	" " TYP FB (SHOT FB73
4/1/08	1	C1-512	P.2. West Col. weld at NE corner ≈20' bellow 1st splice above deck
	2	C1-513	P.2. West Col. Gen. photo along Sp. PL. lk West
	3	C1-514	P2 West Col. N. face Gen. photo at hor. weld lk West
	4	C1-515	P2 West Col. N face West Side box E. Cable CG 4.
	5	C1-516	P2 West Col. N. face Gen Picture top of housing CG. #4
	6/7	C1-517/518	P2 West Col. N. face Pictures gasket for Cable/Housing interface CG#5 (West Housing)
	8	C1-519	P2 W. Col. NF CG. #5 Missing bolt bot. of Housing.
	9	C1-520	P2 W. Col. N.F. CG. #6 Pack Rust top pl. at bot. ~~hous~~ cable housing.
	10	C1-521	P2 W. Col. E.F. Top of splice PL. gen. cond. of pack rust causing plate def. btw. bolts
	11	C1-522	P2 W. Col. NE Cor. pack rust at cor. splice plates (1st splice from deck)
	12	C1-523	P2 W Col. NW Cor. Pack rust w/sec. loss on north splice PL West edge.
	13	C1-524	Mult. pass weld at P2 W. Col. W face NW corner 10' above second splice from base
	14	C1-525	Dent and gouge P2 W Col. W. face ≈ 5' S of NW corner ≈ 15-20' up from splice
	15	C1-526	JHR Typ. Weather Cond. for day P2 W Col. West face
	16	C1-527	P2 W. Col. SW Cor. Pack rust & sec. loss Sp. PL W end
	17	C1-528	P2 W. COL SW COR. TYP. WELDED SP IN GOOD COND
	18	C1-529	P2 W. Col. N face S. Cor staining on face of Col.
	19	C1-530	P2 W. COL. W. FACE ~~P2~~ SAFETY CHECK
	20	C1-531	Patch just N P2 in ℄ W Lane 4'x9' long
	21	C1-532	Plugged Drain Hole ≈130' N P2
	22	C1-533	long crack at SWL spaced at ≈ 15' intervals
	23	C1-534	close up of long crk
	24	C1-535	Typical Photo of rusting of median and vehicle colision in foreground lk N
	25	C1-536	Typ. Photo of West Br. Rail w/rusting of surface at CG#5
	26	C1-537	Bent top of Ferring PL 2'-3" long just N CG#5
	27	C1-538	Long Crks in straight line along E wheel L. W. Lane N CG 6

305
333

PHOTO LOG	JOB # P710070019	BRIDGE: Luling Br. ; Luling LA	
TranSystems	CAMERA # C1	DATE: 4/1/08 & 4/2/08	CREW: JHK/BC

DATE	PHOTO #	PHOTO DESCRIPTION
4/1/08	C1-539	Patches in Left Lane S.B. just S. of ℄ Main Span
29	C1-540	Map cracking in right shoulder at ℄ main span
30	C1-541	Damage Possible from car fire at West side W. Shoulder just N C.G. 7
31	C1-542	Deformation top of wind ferring at br. rail just N ℄ main span.
1	C1-543	Long Crk at SWL just N. CG #3
2	C1-544	Long Crk in E. W.L. Right Lane S. Bnd. just N. CG. #3
3	C1-545	Typ. Photo of center median collission damage and light post foundation 1k. N from CG #3
4	C1-546	Typ. Photo of " " scuff marks and rusting 1k S. from CG. #3
5	C1-547	Typ. Pavement along shoulder 1k S from CG #3
6	C1-548	Typ. Roadway 1k S from CG #3
7	C1-549	Long cracks at shoulder (E. edge) just west SWL
8	C1-550	General Roadway 1k S from just N CG #2 (So Bound)
9	C1-551	Patch in ℄ Roadway and Right Lane 2'x 55' just S. starting CG #2
10	C1-552	Long cracks at shoulder (E. Edge) just W. SWL from C.G. #2
11	C1-553	4"Ø repair of hole in ℄ of Right Lane So. Bound at CG #1
12	C1-554	General Photo 1k S from CG #1
13	C1-555	General Photo 1k N from CG #1
14	C1-556	Ding in SE corner P2 West Col.
15	C1-557	~~End~~ P2 West Col. S end Lower Strut weld to E face.
16/17	C1-558/559	~~End~~ P2 West Col. SE corner end of splice plate and General cond. S splice
18	C1-560	Typ. photo of orange color at the base of the splice IR bolts.
19	C1-561	P2 West Col. CG #3 Lower to cable housing/gap btw gasket & cable.
20	C1-562	P2 West Col. S.F. cross girder #2 holes below lower housing w/top filled w/ bolt shank
21	C1-563	P2 W. Col. S.F. cross girder #1 sheared bolts W. Lower Housing
22	C1-564	P2 W. Col. S.F. CG. #1 sheared bolts E Lower housing.
23	C1565	Long crks at interface of lane and shoulder pvmt. S of CG #1/1k S.
24	C1-566	Vehicle colision Damage S of CG #1 in median barrier 1k N.
25	C1-567	Transverse Cracks left lane of S. bound ≈ midway btw CG #1 and P1S
26	C1-568	Br. Jt. at P1S S. bnd. lanes 1k. E
27	C1-569	Gravel in Br. Jt. P1S Right Shoulder
28	C1-570	Gravel in Br. Jt. P1S Left Shoulder
29	C1-571	Thri Beam at Br. Rail P1S 1k W.
30	C1-572	General Photo S Bnd. Approach to P1S 1k S
31	C1-573	General Photo S. Bnd. 1k. N. from P1S Exp. Jt.
32	C1574	holes at S end West Web horizontal field splice no cracks noted
33	C1-575	West Box bot flg to E web typ. weld at FB'107
34	C1-576	West Box typ. weld close up, bot. flg to east web

PHOTO LOG

TranSystems	JOB # P710070019	BRIDGE: Luling Br. ; Luling, LA	
	CAMERA # C1	DATE: 4/3/08	CREW: JHK

DATE	PHOTO #	PHOTO DESCRIPTION
4/3/08	C1-577	N end support brackets for horizontal splice PL just N ID 44 welded to W. Box E web
2	C1-578	ID 44 vert. splice plate adj. to N. Box lk S.
3	C1-579	Transition weld in E web W. Box N CG. 11
4	C1-580	Closeup of transition weld at bot. web.
5	C1-581	S. ID 44 horizontal splice plates welded to W. Box E. Web
6	C1-582	CG 11 pitting at connect to West Box W. Web.
7	C1-583	CG 11 close up of pitting
8	C1-584	CG 11 Drainage at top CG along N face
9	C1-585	FB Pack rust bot. splice PL
10/11	C1-586/587	General Elev CG 11 west end from N.
12	C1-588	CG11 - lower cable gasket ring bolt missing cotter pin.
13	C1-589	CG11 - Lower cable gasket caulking crack
14	C1-590	CG 11 - West end - cable attachment gaskets lk N
15	C1-591	Just N FS 27 at S. end horizontal splice PL arrested cracks at drilled holes
16/17	C1-592/593	Bot hole w/ arrested crk. / Top hole w/ arrested crk S. end hor Splice PL.
18	C1-594	Top hole crk arrested S end hor. splice just N. FS 27
19	C1-595	Bolt loose/frozen bot. West Splice PL ID 43
20	C1-596	Pack rust 1/4" at S edge bot. con. at ID 43 to E. side W. Box.
21	C1-597	Gen photo to S. Brace for channel light at ID 42.
22/23	C1-598/599	Just S ID 42 light anchorage gen. photo / NE bolt not tight.
24	C1-600	bolt missing in deck splice just N ID 41
25/26	C1-601/602	hole below Inclined splice just N CG 10 arrested crk.
27	C1-603	four missing bolts bot. flg. just S FS 26
28	C1-604	Crk at hole below inclined splice just N CG 10 E. web arrested
29	C1-605	Missing cotter pin low w cable con. to CG 10 west end.
30/31	C1-606/607	torch cut bolt hole hor. splice just S CG 10 in E. Web.
32	C1-608	missing bolt top deck support just S FS 25 east web W. box
33	C1-609	Pack rust at bot flg splice plate FS 25 W. box
34	C1-610	Two missing bolts hor. deck support just S. FS 25
35	C1-611	Missing bolt in so. hor deck support E web just S. FS 24
36/37	C1-612/613	Plugged hole just S FB 91 west box E web.
38/39/40	C1-614-616	Bot welded connection IN box E web / Bot flg. to lower brace P3 Tower
41	C1-617	Missing bolt Deck support just S FS 24
42	C1-618	hole just S. FB 91 West Box W. web. plug has rusted away on outside of hole
43	C1-619	series of pin holes connecting holes just N FB 89
44	C1-620	" " " " " " just S ID 37
45	C1-621	Top wind fairing lk. S from P3 West side West Box
46	C1-622	So. Bound Roadway lk N to North Approach w/ N St. in foreground

PHOTO LOG

TranSystems

JOB # P710070019	BRIDGE: Luling Br. ; Luling, LA	
CAMERA # C1	DATE: 4/4/08	CREW: PN

	DATE	PHOTO #	PHOTO DESCRIPTION
1	4/4/08	C1-623	Wind Fairing at ID35 - West
2		-624	Wind Fairing at FB85 - West
3		-625	Missing Deck Screens at FS22
4		-626	Minor impacted rust at BF Field Splice - FB 80
5		-627	Lighting conduit + SUPport at FB77
6		-628	Impacted rust at corner of cross-girder 8 - NW Interior
7		-629	do
8		-630	1/4" vertical mis-aligment of transverse ID BF field splice w IR
9		-631	do
11		-633	Splice plate at fairing CG8 - South Side West
10		-632	WIND FERRING BTWN FB72/73, 6'x3" LOSS
12		634	" " AT FB71, FLAME CUT AT END OF PL
13/14		635/636	" " S. OF ID 29 10'x2" 100% SEC LOSS
15		637	" " TYP COND AT FB 68
16/17		638/39	CG 7, N.F. CABLE CAULK IN GOOD COND
18		640	BOT FL, W. GIR MIS. ALIGNED PL, N OF ID 28
19		641	BOT FL/ID 29 CON W. GIR I.R. 1/4" W/LOSS UP TO 1/8"
20		642	BTWN EGW GIR, N. ELEV ID 28
21		643	BTWN EGW GIR, ID 29 TYP. SPL DTL
22		644	BTWN CG7/ID27 AT FS 17, 1/4" MISALIGNED
23		645	BTWN ID 26/27, BY TUB, DECK PAN 20' S OF ID27
24-25		646-647	FB64, LAM RUST AT SPL W/NEG. LOSS
26/27		648-649	NAVIGATION LIGHT ON WEST SIDE AT MID SPAN
1	4/5/08	650	NAVIGATION LIGHT ON WEST SIDE AT MID SPAN (S. ELEV)
2		651	W. WIND FERRING SPL PL N. OF CG6
3		652	ID 25 BTWN E/W GIR. LEECHING ONTO ID FROM DECK
4		653	BTWN E&W GIR (WEST SIDE) LEECHING FROM DECK AT FS 16
5		654	NAVIGATION LIGHT ON WEST SIDE AT MID SPAN (S. VIEW)
6		655	CG 6, CABLES /GROUT IN TYP. GOOD COND.
7		656	W. WIND FERRING, LEECHING BY CG6
8		657	W. WIND FERRING, BTWN FB56/57, 2'x3" HOLE W/STAINING
9		658	W. WIND FERRING, S. OF FB 54, 8"L x 3"T
10		659	SHIP PASSING UNDERNEATH/CLEARANCE
11		660	W. WIND FERRING SPL AT CG 5, W/UP TO 1/2" I.R.
12		661	W. WIND FERRING LEECHING ONTO CG5
13		662	LEECHING THROUGH DECK, BY ID 23, BTWN GIR'S BY GIR WEST
14		663	TYP. COND OF FB, SHOT N. ELEV FB 55
15		664	TYP. COND. W. GIR. E. WEB SHOT BY FB55
16		665	DECK SPL AT FS14, UNDERSIZED BOLTS, ONE BOLT SHEARED OFF BY W. GIR
17		666	N OF CG5, W. GIR. E. WEB 3" Ø PLUG HOLE AT WEB TRANSITION
18		667	CG5, GAP BTWN CAULK & CABLES ON W. SIDE
19		668	W. WIND FERRING, 10'Lx3"T 100% SEC. LOSS, BY FB47
20		669	W. WIND FERRING, 25'Lx4" T SEC. OF PAPER THIN W/HOLED BTWN ID19/FB

308
333

PHOTO LOG	JOB # 8710-07-0007	BRIDGE: HALE BOGGS	
TranSystems	CAMERA # C1	DATE: 4/5/08	CREW: BAK

	DATE	PHOTO #	PHOTO DESCRIPTION
21	4/5/08	C1-670	W. WIND. FERRING AT FB47 TYP. COND
22		C1-671	" "CG4 LEECHING FROM FERRING
23/24		C1-672/673	LIGHT ANCH CHOCK ASSEMBLY SOUTH OF ID 20, S. TOP NUTS LOOSE, SE ANCH RODS/NUTS [illegible]
25		C1-674	ID 18 BY W. GIR LEECHING FROM DECK
26		C1-675	MIS-ALIGNED FS 1/4" AT FS12 ON W. GIR.
1	4/7/08	C1-676	CG4, CR'S IN CAULK AT BOT
2		C1-677	LEECHING IN FERRING AT FB42
3		C1-678	100% SEC. LOSS. W. WIND FERRING BTWN ID 17 / FB40
4		C1-679	GEN. SHOT WIND FERRING BY FB40
5		C1-680	W. WIND FERRING, LEECHING AT ID 16
6		C1-681	W. WIND FERRING 100% SEC. LOSS 2'L x 4 1/2" H
7		C1-682	W. WIND. FERRING; DOUBLE DRILLED HOLE SCUPPER
8		C1-683	W. WIND. FERRING; LEECHING SIGNS AT BASE FB 35
9		C1-684	W. WIND FERRING; DAMAGED / MISSING SCREENING AT P2
10		C1-685	W. TUB JUST N. OF FB42, TYP. DRILLED HOLES
11		C1-686	W. ID 17, I.R. AT WEST SP 1/4"
12		C1-687	FB 40, LEACHING THROUGH DECK W/ MOD. RUST
13		C1-688	FB 39, 1/4" I.R. AT SP A AT WEST SIDE
14		C1-689	FB37, MISSING NUT AT FB37 BY W. GIR.
15		C1-690/91	N. ELEV. LOWER STRUT P2
17		C1-692	2 LOOSE NUTS ON W. DECK SPL BTWN ID15 / FB36
18		C1-693	LOOKING NORTH UNDER BRIDGE NE
19		C1-694	GEN. SHOT TOP OF WIND FERRING
20		C1-695	W. GIR. W. SIDE TYP. FB CON (ID 13 SHOT)
21		C1-696	TYP. SCUPPER CON. SHOT BTWN FB29/30 W. SIDE
22		C1-697	BTWN GIR.'S S. OF P2 CATWALK W/ MACHINARY
23		C1-698	FS9 BTWN GIR. BOT OF DECK
24/25		C1-699/700	S. ELEV OF P2, LOWER STRUT
26		C1-701	W. GIR. / E WEB BOT. WELD IN GOOD COND.
27		C1-702	W. GIR. / CG 3; LEECHING N. FACE
28/29		C1-703/704	W. GIR FASCIA BEAM MISALIGNED BOT FL AT SP
29/30		C1-705	W GIR. W. WEB, BOT CG3, REM STIFF / DRILLED HOLE
31/32		C1-706/707	CG 3, W. SIDE CR'S IN CALLK OF CABLES / INSTRUMENT WIRING
33		C1-708	W. GIR. E WEB 4 MISSING BOLTS W/ UP TO 1/4" I.R. BY ID11
34		C1-709	FB21, S. ELEV TYP. COND BTWN GIR (W. SIDE)
35		C1-710	W. GIR. E. WEB, 2"Ø & 3"Ø PLUGGED HOLES N. OF CG2
36		C1-711	W. GIRD / CROSS GIRDER 2 CONNECTION, PACK RUST @ SOUTH OF C.G. 2
37/38		C1-712/713	W GIRDER FB17, BENT BOTTOM FLANGE
38/39		C1-714	HOLE IN WEST SIDE OF CG. 1 FOR CABLES, NOT PLUGGED
	40	C1-715	CABLES FOR WEST SIDE OF CG-1
	41	C1-716	WEST MOST LOWER CABLE @ CG 1 GENERAL CONDITION
	42	C1-717	BTWN GIRDERS, FS 5, DECK SPLICE LEACHING
	43	C1-718	BTWN GIRDERS @ N SIDE ID8 304, LEACHING

333

PHOTO LOG	JOB # P710070019	BRIDGE: HALE BOGGS	
TranSystems	CAMERA # C1	DATE: 4/	CREW:

	DATE	PHOTO #	PHOTO DESCRIPTION
44		C1-719	BOTTOM OF LIGHT POLE BRACKET S. OF ID7 MISSING NUTS @ BTM of DECK
45		C1-720	BELOW LIGHT POLE BRACKET S. OF ID7, DIGESD DEBRIS
46		C1-721	FB14, N FACE, SLIGHT BEND IN BTM FLANGE @ SPLICE
1	4/8/08	C1-722	SCREENED HOLE, WEST GIRDER EXTERIOR, S. OF FB6
2		C1-723	W. GIRDER, LOOKING SOUTH, EXTERIOR FLOORBEAMS, @ FB6
3		C1-724	S ELEVATION, CG #1 WEST SIDE
4		C1-725	UNDERSIDE OF GIRDERS FROM SOUTH OF CG 1 LOOKING S
5		C1-726	W GIRDER, EAST EXTERIOR 2" ϕ HOLES @ END OF HOR. WEB SPLICE
6		C1-727	BTWN GIRDERS @ FS #3 UNDERSIDE OF DECK, LEACHING
7		C1-728	N. FACE OF ID4 GENERAL ELEVATION
8		C1-729	N OF ID2, DECK SPLICE, MINOR LEACHING
9		C1-730	UNDERSIDE OF DECK, LIGHT POLE ATTACHMENT, N. OF ID1, NO NUTS @ DECK
10		C1-731	LOOKING N. @ BRIDGE FROM PIER 1S.
11		C1-732	LVC CRACK 2 1/4" E. TUB, E. GIRDER SIDE
12		C1-733	LVC CRACK 2 1/2" E TUB, E. GIRDER SIDE
13		C1-734	LVC CRACK 2 1/2" E TUB, E. GIRDER SIDE
1-3	4/9/08	C1-735-737	Underside of deck @ South end showing taper of box girders to accomodate ramps, looking N.
4-8		C1-738-742	W. Elev looking E
9		C1-743	W. Elev Tower 2
		C1-744	W. Elev Tower 3
11-15		C1-745-749	Tower 3 Pier looking E
16-19		C1-750-753	Tower 3 Pier looking W
20-22		C1-754-756	Pier 4 looking NW
23-26		C1-757-760	Pier 4 looking N W. end
27		C1-761	Under bridge looking W. up River
28-30		C1-762-764	Tower 2 N. elev W. end
31		C1-765	Tower 2 N. elev E. end
32-35		C1-766-769	E. dev looking West of bridge

PHOTO LOG

JOB #	BRIDGE: Hale Boggs	
TranSystems	CAMERA # C2	DATE: 3/3 - 3/4	CREW: CRS / BS

DATE	PHOTO #	PHOTO DESCRIPTION
3/3	C2-1, C2-2, C2-3	} Tobin ??
	C2-1	General View Tier 26 Looking North
	C2-2	General View Tier 26 Looking South
	C2-3	General View Tier 26 Looking South
	C2-4	General View Tier 26 Looking South
	C2-5	General View Tier 26 Looking North
	C2-6	100% Loss on Hatch Frame ; West Hatch looking West
	C2-7	1/16" Loss x 10" around kick Plate on South Side
	C2-8	100% Loss in Railing @ S.E Corner ; Tier 26
	C2-9	General View Tier 26 looking West
	C2-10	Tier 23 Cable Connect ; Cable End Sheared off Bolt
3/4	C2-11	W. Column Tier 25 ; Tower 2 ; Leakage From Splice R
	C2-12	Tier 25 ; West Column ; Pier 2 Missing R on Conduit
	C2-13	Tier 25 ; Cable Connect ; Sheared off Bolt @ Cable Cap
	C2-14	Overall Shot ; Cable Connect ; Tier 25 ; West Column ; Tower 2
	C2-15	" " " " " " "
	C2-16	" " " " Tier 24 ; " "
	C2-17	" " " " " " "
	C2-18	Tier 24 ; Cable Connect ; West Tower ; Pier 2 ; Sheared off Bolt
	C2-19	Typical Leakage ; Const. Holes @ Tier 25 Floor w/ EFFlo on Wall
	C2-20	Active Leak ; Top of Strut w/ Moisture on Tier 23 ; W. Col. Pier 2
	C2-21	Moisture on Tier 23 From Leak @ Top of Strut ; W. Col. Pier 2
	C2-22	Overall Top Strut Interior Tower 2
	C2-23	Overall Shot ; Tier 25 Cable Connection ; Tower 2 ; W. Column ;
	C2-24	Gap in Brace R ; Tier 22 North Wall ; Tower 2 ; W. Column
	C2-25	" " " " " " "
	C2-26	(Typ) Tier 22 Light out w/ Missing Cover glass
	C2-27	Typical Rust Staining on Cell Wall Tier 21 ; W. Col Tower 2
	C2-28	Small gap at Splice w/ Staining Tier 19 ; W. Column Tower 2
	C2-29	Tier 19 Looking up @ Multiple Tiers (Typ) ; W. Column Tower 2
	C2-30	Tier 18 ; W. Column ; Tower 2 Open Conduit Box
	C2-31	View Tier 17 Looking up ; West Column Tower 2
	C2-32	Tier 17 Conduit w/ Missing Cover R ; West Column Tower 2
	C2-33	Tier 17-18 Staining / Dampness ; Tower 2 ; West Column
	C2-34	Tier 15 ; W. Column ; Tower 2 Gap @ Splice w/ EFFlo / Moist Staining
	C2-35	Tier 13 ; W. Column ; Tower 2 ; Moisture From Base Tier 15
	C2-36	" " " " " "
	C2-37	Tier 11 ; W Column ; Tower 2 ; Rust / Moisture Staing From Splice Gap
	C2-38	Tier 7 ; W Column ; Tower 2 ; Rust Build-up @ cross web From Leak
	C2-39	@ Splice " " " "
	C2-40	Tier 6 ; Rust Build-up @ Corner From Splice ; West Column ; Tower 2

PHOTO LOG

JOB # P1D070019 | BRIDGE: HALE BOGGS BRIDGE

TranSystems | CAMERA # C2 | DATE: 3/4 - 3/6/08 | CREW:

	DATE	PHOTO #	PHOTO DESCRIPTION
		41	Typical Moisture on Wall Tier 2 ; W. Column ; Tower 2
		42	Tier 1 Anchor Bolts ; West Column ; Tower 2
		43	S.W Anchor Bolts w/ Moisture @ Corner ; Tier 1 ; W. Col. Tower 2
		44	Heavy Pigeon Droppings ; Tier 1 ; West Column Tower 2
		45	Loose Conduit @ Tier 1 Near Stairs ; West Column Tower 2
1	3/5	46	Tower 3 E Column. SW Chamber splice plate and anchor bolt SW corner
2		47	SW Corner " SHOWING TYPICAL CORNER WELD CONDITION
3		48	" " CENTER WEST CHAMBER WEST WALL → SHOWING HATCH
4		49	" " Tier 2 CENTER EAST CHAMBER, BROKEN LIGHT
5		50	" " Tier 2 SW BAY, SW Corner SHOWING RUST IN CORNER
6		51	" " Tier 3 " "
7		52	" " Tier 4 SW Bay, SW Corner splice plate rust
8		53	" " Tier 6 SW Bay SW corner, rust buildup at Floor
9		54	" " Tier 6 " " " stiffener showing moisture
10		55	" " Tier 6 " " SW corner weld
11		56	Lower Strut, chamber 3 from East, Anchor bolts
12-13		57-58	Tower 3 E Col. Tier 7, SW Chamber SW Corner Showing rust ; moisture
14		59	" " Tier 8 Center East chamber, conduit problems
		60	" " Tier 9 Center West chamber North wall, typ. condition
16		61	" " Tier 11 NE Bay, showing rust laminations, West wall
17		62	" " Tier 15 Center East Bay, Ceiling of Bay
18		63	" " Tier 15 N.W. Bay @ NW Corner, Showing rust debris
19		64	" " Tier 17 S.W. Bay West Wall, Typical Ext. Wall condition
20		65	" " Tier 19 Center West Bay, Splice plates showing Rust lamination
21		66	" " " South West Bay, close up of corner showing staining from
22		67	" " " water
		67	" " Tier 21 NW Bay N. Wall, Bottom of W-shape stiffeners supporting Lowest cable anchorage
1	3/6	C2-68	Injection Port in Cable ; Tier 22 E Column ; Pier 3
2		C2-69	General Shot Tier 22 w/ Cables ; E. Column ; Pier 3
3		C2-70	General Shot ; Saddle Tier 23 ; E. Column Pier 3
4		C2-71	Large Nest Tier 23 ; Tower 3 ; E. Column
5		C2-72	Missing Bolt @ Cable Shield ; Tier 23 ; Tower 3 ; E Colown
6		C2-73	General Shot ; Saddle Tier 24 ; E. Column Pier 3
7		C2-74	Injection Ports in Cables ; Tier 24 Saddle ; E. Colum ; Pier 3
8		C2-75	Pigeon Droppings on S. Cables Tier 24 ; East Column ; Pier 3
9		C2-76	Overall Shot ; Saddle Tier 25 ; East Column ; Pier 3
10		C2-77	Gap in Cable Cassing " " "
11		C2-78	" " " " " "
12		C2-79	Pigeon Droppings (Typical Floor Tier 25)
13		C2-80	Barge From Tier 26 " Pier 3
14		C2-81	Carey From Tier 26

312
333

PHOTO LOG	JOB # P710070019	BRIDGE: HALE BOGGS BRIDGE	
TranSystems	CAMERA # C2	DATE: 3/6, 3/7, 3/8/08	CREW:

	DATE	PHOTO #	PHOTO DESCRIPTION
	15	C2-82	CTL working on Adjacent Cables
	16	C2-83	Top of Deck Looking North From Tower 3
	17	C2-84	200m in on Scott From Tower 3
	18	C2-85	Matt Johnson From Top of Tower 3
	19	C2-86	Corrosion @ West Hatch Pier 26 ; Tower 3 (Typ)
	20	C2-87	Navigation Light ; Pier 26 Tower 3
	21	C2-88	Typical Splice Chamber 3 Top Strut ; Pier 3
	22	C2-89	Typical View Center Bay Top Strut ; Pier 3
	23	C2-90	Bay 1 ; Top Strut ; Tower 2 ; Rust / EFFlo @ corner
	24	C2-91	Typical Floor of Bottom Strut Chamber ; Tower 2
	25	C2-92	Heavy Rust @ Splice in Chamber 1 ; Bottom Strut
	26	C2-93	up to 1/2" Loss on Splice Bolts on Floor/Wall ; Chamber 1
	27	C2-94	@ Bottom Strut Tower 2 "
		C2-95	Broken Railing / Losses to Kick PL on Top of Bottom Strut ; Tower 2
		C2-96	" " " " " " "
		C2-97	Cap off Bottom of Nav. Light @ West Side
		C2-98	Typical View ; web Stiffeners Bay Pier 1 - ID1 ; East Box Girder
		C2-99	Typical Bay Looking South Pier 1 - ID1 ; East Box Girder
		C2-100	Collection of Rust @ Web-Base Angle @ Splice Between FB2-FB3 East Girder
		C2-101	Asphalt Debris in Bay ID1-ID2 East Box Girder
		C2-102	Drill Holes U/S Deck in Bay ID1-ID2 East Box Girder
		C2-103	Typ Field Splice Plates @ FS1 in Bay ID1-ID2
		C2-104	Cieling / US Deck (Typ) Bay ID2-ID3 ; East Box Girder
		C2-105	FB 4 Connection to West Web in Bay ID2-ID3 ; East Box G.
1	3/7/08	C2-106	BAY ID5-ID6, Plugs in holes on West web of E box girder
2		C2-107	BAY ID5-ID6, FS4, Deck Splice, missing nut at splice plate
3		C2-108	BAY ID5-ID6, STIffener to deck weld, undercut typical at several locations
4		C2-109	overall shot of bay 106-107, looking north from ID6.
		C2-110	Drill Hole near ID7 in bay ID7-ID8 W/Asphalt ; East Box Girder
		C2-111	2 Missing Bolts in Girder Base Near ID8 ; East Box Girder
		C2-112	Drill Hole Near ID8 in Bay ID7-ID8 ; East Box Girder
		C2-113	Asphalt Collection on Floor due to Drill Hol in U/S Deck
		C2-114	Angle PL horizontal Leg Not Flush w/ web Stiffener ; E. Girder ID1-ID2 @ FS1
	3/8/08	C2-115	Missing Bolt Holes Near ID8 In ID8-CG2 ; East Girder
	2	C2-116	Missing Nut / washer ; @ FS5 ; East Girder @ U/S Deck
	3	C2-117	Plug holes ; west West ; East Girder Near FS5
	4	C2-118	Gap in Stiffener From Splice Plate @ East Web ; East Girder @ FS5
	5	C2-119	No Weld @ Stiffener - orthotropic Deck Near CG2 in ID8-CG2 ; E. G.
	6	C2-120	Heavy Corrosion ; Exterior CG2 @ PA/B Near East Web ; East Girder
	7	C2-121	" " " " " " "
	8	C2-122	Light Rust W. Wall Bay 3 @ CG8
	9	C2-123	General Shot Bay 3 CG2 looking West

PHOTO LOG	JOB # P710070019	BRIDGE: HALE BOGGS BRIDGE	
TranSystems	CAMERA # C2	DATE:	CREW:

DATE	PHOTO #	PHOTO DESCRIPTION
3/8/08	C2-124	General Shot ; Bay 2 Plate B/C corner Near Bay 1 ; CG 2
	C2-125	Empty Bolt Holes @ East Cable Anchorage to CG2
	C2-126	General Shot Cable Anchorage ; East Cable ; CG2
	C2-127	Rubber Seal Recently Repaired East Anchorage CG2
	C2-128	" " " " " " "
	C2-129	Water Leakage @ BTM cable East Anchorage CG2
	C2-130	General Shot Splice Plate ; Wall D CG2 ; Bay 4
	C2-131	General Shot Bay 4 Looking East ; CG2
	C2-132	Angle B-C @ CG2 in Bay 4 ; Heavy Rust
	C2-133	General Shot ; West Wall Bay 5 CG2
	C2-134	Bolt w/ Missing Nut ; Bay 6 on R A CG2
21	C2-135	Moisture @ Base of CG2 ; Bay 6
	C2-136	Loose Rubber / Falling out ; West Anchorage CG2 (Top)
	C2-137	" " " " " " (Bottom
	C2-138	Leakage / Rust From Bottom Cable ; West Anchorage @ CG2
	C2-139	Fabricated Hole 3" Ø West Anchorage ; CG2
	C2-140	Plate A Exterior @ CG2 General Photo Splice Plate ; W.G.
1 3/10/08	C2-141	Outside of Plate A C.G.B, showing gap in splice connection. AT EAST GIRDER
	C2-142	Plugged holes in East wall of east box girder at end of connection.
	C2-143	Typical Field splice with flaking rust. West wall EAST GIRDER
	C2-144	Loose bolt in splice plate (FS 8). West web wall, EAST GIRDER
	C2-145	Typical web rust sheeting (East wall) EAST GIRDER
	C2-146	Collection of Rust From FS8 @ Base of web on Bolts ; East web wall, EAST GIR
7-9	C2-147-C2-149	Crack in Deck to Stiffener located 2 stiffeners north of ID12. Approximate Length is 1". EAST WALL of E. GIR.
10-11	C2-150 to C2-151	crack in Deck to Stiffener located 1 stiffener North of FB 29 (3/4" long) E. WALL E. GIR
12	C2-152	Top of floorbeam 29, looking North, general condition, E. GIR.
13-15	C2-153 to C2-155	1 1/2" crack in stiffener to Deck weld, 1 stiffener North of ID13. E. WALL, E GIR
16-18	C2-156 to C2-158	1" crack in stiffener to deck weld, 1 stiffener North of FB 31, E. WALL, E. GIR
19-22	C2-159 to C2-162	3/4" crack in stiffener to deck weld, 1 stiff. S of ID14, E. WALL, E. GIR
23	C2-163	Floor showing sand and rust debris EAST GIR.
24	C2-164	Typ. West web wall, E. GIR.
25	C2-165	Broken cable tray, E. GIR.
26	C2-166	Typ condition ID14 E. GIR.
27	C2-167	Loose bolt in FS9, West web wall, E. GIR.
28	C2-168	Typical Sheet / Flake rust being accumulated on walls and top of stiffeners, E. GIR
29	C2-169	Typical condition of deck plate, E. GIRDER
30	C2-170	E Girder, at tower 2, Looking North
31-32	C2-171 to C2-172	Anchor bolts at tower 2 from inside E. Box Girder
33-34	C2-173 to C2-174	Crack in stiffener, at West wall of east girder 1st stiffener N of T. 2
	C2-175	loose bolt in west web wall splice (FS 10), E. GIRDER
	C2-176	Two bolts missing in splice plate S. of F.S. 10 EAST WALL, E. GIR.
	C2-177	Typ. location, square bolt pattern missing bolts (occurs at (3) locations in bay) E. GIR.

3 14

3 33

PHOTO LOG	JOB #	BRIDGE: Hale Baygs Bridge	
TranSystems	CAMERA # C2	DATE: 3/10-3/11/08	CREW: CRS/CTY

DATE	PHOTO #	PHOTO DESCRIPTION
3/10/08	C2-178 to	C2-180 Crack in stiffener to deck weld, E Gird. E Wall, 1st Stiffener N. of ID 15
	C2-181	Elevation of ID 15 Looking South, E. Gir
3/11/08 1	C2-182	Small crack; Deck-Web Stiffeners N. of FB 37 ; East B.G. ; East web
2	C2-183	" " " " " "
3	C2-184	" " ; " N. of FB 38 ; " "
4	C2-185	" " " " " " (close-up)
5	C2-186	Small crack; Deck-Web Stiffener weld ; N. of ID 16 ; E. B.G. ; East Web
6	C2-187	" " " " " "
7	C2-188	Small crack ; Deck-web stiffener weld ; N. of FB 39 ; E.B.G. ; East Web
8	C2-189	" " " " " "
9	C2-190	Deep undercut ; Deck-Web Stiffner weld ; N. of FB 39 ; E.B.G. ; West web
10	C2-191	Small crack ; Deck-Web stiffener weld ; N. of FB 40 ; E. B.G. ; East Web
11	C2-192	" " " " " " " "
12	C2-193	Small crack ; Deck-web stiffener weld ; S. of ID 17 ; E.B.G. ; East web ;
13	C2-194	onlyon North side of weld "
14	C2-195	Typical Access Hole Fitting ; B/T ID 16 - FB 39 ; E.B.G. ; East Web
15	C2-196	Small Crack ; Deck-Web Stiffener weld ; N. ID 17 ; E.B.G. ; East Web
16	C2-197	" " " " "
17	C2-198	1/8" Impact Rust bawn Deck + R. + South side of St. S of FB 41 ; E.B.G. ; East Web
18	C2-199	" "
20	C2-201	Missing plug @ hole ; diagonal splice ; E.B.G., East Web ; btwn FB 41-42
21	C2-202	Typical A-B corner @ East wall Bay 4 CG4 ; Light Rust Staining
22	C2-203	Bay 3 ; CG 4 ; Typical Debris Build-up @ Bottom Angle
23	C2-204	CG4 ; East Cable Anchorage ; Leaking From Cable Stay Ends
24	C2-205	" " " " " " "
19	C2-206	Plate @ U/S Deck starting @ S. Strr. From FB 41 ; E. B.G.
25	C2-206	CG4 ; East Cable Anchorage ; Leaking / Loss @ Cable Stay End ; Bay 2
26	C2-207	Upper Cable Bay 2 @ CG4 ; East Anchorage / Efflo / Leakage
27	C2-208	Upper Cable Bay 1 @ CG4 ; East Anchorage ; Leakage @ cable end
28	C2-209	Lower cable ; Bay 1 ; CG4 ; East Anchorage ; Leakage / Loss @
29	C2-210	Cable-Stay End " " "
30	C2-211	Leakage Through Bay 1 CG4 ; East Anchorage ; Lower Cable R's
31	C2-212	Loose Bolts Bay 3 ; CG4 @ East Wall
32	C2-213	BAT!!
33	C2-214	CG4 Bottom Cable ; West Anchorage / Leakage ; Bay 8
34	C2-215	" " " " " / Cable Stay End Leakage ; Bay 8
35	C2-216	Padding Falling out CG4 Bay 8 West Anchorage / Bottom Cable
36	C2-217	CG4 Top Cable ; West Anchorage / Efflo ; Bay 8
37	C2-218	CG4 Bottom Cable ; West Anchorage / Bay 9 - Leakage
38	C2-219	" " " " "
39	C2-220	" Top " " " - Padding Falling out
40	C2-221	Loose Bolts ; Bay 7 CG4 West Wall

PHOTO LOG	JOB #	BRIDGE: H-R Boggs Bridge	
TranSystems	CAMERA # C2	DATE: 3/11/08	CREW: CRS/CTY

DATE	PHOTO #	PHOTO DESCRIPTION
3/11/08 4p	C2-222	2 Missing Bolts Plate A CG4 BAY 6 Top
4p	C2-223	Sheared Bolt @ bottom Plate D CG4 Bay 5 bottom
3/12/08	C2-224	EAST BOX; FS 12 2 BOLTS UNDERTHREADED @ EAST WEB (BTWN CG4 & ID18)
	C2-225	EAST BOX; FS 12 1 BOLT MISSING @ WEST WEB (BTWN CG4 & ID18)
	C2-226	EAST BOX, EAST WEB UNDERCUT WELD @ TOP FLANGE/STIFFENER (CG4 & ID18)
	C2-227	EAST BOX, EAST WEB MISSING BOLT @ TOP FLANGE (CG4 - ID18)
	C2-228	EAST BOX, EAST WEB CRACK IN 1ST STIFF. WELD SOUTH OF ID19 (ID18 - ID19)
	C2-229	" " " " " " "
	C2-230	" " " " " " "
	C2-231	EAST B.G. - EAST WEB CRACK @ STIFFENER PROP. INTO BASE METAL
	C2-232	" " " " " " " " "
	C2-233	EAST B.G. - EAST WEB CRACKS IN WELD @ 1ST STIFF NORTH OF ID19 (S. SIDE)
	C2-234	" " " " " " " (N. SIDE)
	C2-235	EAST BG - EAST WEB CRACKS @ 1ST STIFF, WELD N OF ID19 PROP 1 7/8" INTO BASE ON SOUTH
	C2-236	" " " " " " " BOTH CRACKS PROP INTO BASE METAL
6p	C2-237	MEDIUM GRAINED FLAKING RUST UP TO 10" ALONG LONG STIFF, EBG BTWN ID19-20
	C2-238	EAST BG - EAST WEB CRACK @ 1ST STIFF WELD N of FB 47; NO PROP.
	C2-239	EAST BG - WEST WEB GAP BTWN TOP FLANGE/DECK & SPLICE PLATE @ FS 13
	C2-240	EAST BG - WEST WEB GAP BTWN TOP FLANGE/DECK & SPLICE PLATE W/ LEADED BOLT @ FS 13
3/13/08	C2-241/242	CRACK IN C.G. 5. CRACK IS LONGITUDINAL ALONG WELD LENGTH OF 2 1/8"
	C2-243/244	6/8 UNDERTHREADED BOLTS WITH 1 LOOSE BOLT, C.G. 5 BAY 7, NEAR W. WALL
	C2-245/6	C.G. 5 BAY 8 WEST ANCHORAGE, TOP CABLE LEAKAGE AT CABLE STAY A
	C2-246	" BAY 9 WEST ANCHORAGE, TOP CABLE
	C2-247	C.G. 5 BAY 1, EAST ANCHORAGE, PLATE D, STAINING WATER DRIPPING FROM CABLE
	C2-248	C.G. 5, BAY 1, EAST ANCHORAGE, BOTTOM CABLE, LEAKING WATER
3/14/08	C2-249	CG6, BAY 3; WEST WALL; 1 1/4" VERTICAL H.L. CRACK @ STIFFENER WELD
	C2-250	" " " " "
	C2-251	CG6, WEST END ANCHORAGE, TOP CABLE, MISSING BOLT IN COVER PLATE.
	C2-252	CG6, WEST END ANCHORAGE, BOTTOM CABLE, MISSING RUBBER SEAL AND LEAKAGE
	C2-253	E GIR, FS 16, West wall stiffner splice, MISSING BOLT
	C2-254	E GIR, FS 16, LOOSE BOLT IN EAST WALL WEB SPLICE
	C2-255	E GIR, FS 11, LOOSE BOLT IN DECK SPLICE PLATE
	C2-256	E GIR, GENERAL SHOT ID25 - ID26
	C2-257	"TEXT" ID26 & BRIDGE E. GIRDER
	C2-258	(TYP) 2 BOLTS @ STIFF/FLANGE WELD; E. GIRDER/W. WEB BT ID26-ID27
	C2-259	MISSING BOLT IN E. Girder, West Web SPLICE PLATE, STIFFENER SPLICE.
	C2-260	C.G. 7 East ANCHORAGE, PLATE B, WATER OF FLUX FROM LEAKING CABLE ANCHORAGE
	C2-261	C.G. 7 EAST ANCHORAGE, LOWER CABLE, WATER LEAKAGE & LIGHT RUST

PHOTO LOG

JOB #	BRIDGE: Hale Boggs	
CAMERA # C2	DATE: 3/15/08 –	CREW: CRs/CTY/SGB

DATE	PHOTO #	PHOTO DESCRIPTION
3/15/08	C2-262	E. GIRDER @ PIER 3 DIAPHRAM BF1 ; CONDUIT RUBBING AGAINST HOLE
2	C2-263	E. GIRDER - EAST WEB, 1ST STIFFENER SOUTH OF ID39, CRACK @ TOP WELD
3	C2-264	" " " " " " "
4	C2-265	E. GIRDER - EAST WEB, 2ND STIFFENER SOUTH OF ID40, CRACK TOP WELD
5	C2-266/267	E GIRDER, EAST WEB, STIFFENER BETWEEN FB95 & FB96. CRACK @ TOP OF STIFFENER
		TOTAL LENGTH EXTEND 7/8" ON NORTH & 1 1/8" ON SOUTH SIDE OF STIFFENER
8	C2-269	E. GIRDER, EAST WEB, 2ND STIFFENER SOUTH OF ID40, CRACK PROPAGATED 3/4" INTO FLANGE
9	C2-270	E. GIRDER, EAST WEB @ FS25 NUTS @ NORTH FLANGE PLATE UNDERTHREADED
10	C2-271	" " " " " " " "
11	C2-272	" " " " " " " "
12	C2-273	E. GIRDER, EAST WEB @ FS25, GAP BTWN FLANGE & SPLICE PLATE
3/17/08	C2-277	E. GIRDER, EAST WEB B/T EG7-ID28, 1/2" LONG CRACK ~~PROP. FROM~~ CRACK ARREST HOLE
2	C2-278	" " " " " " "
3	C2-279	E. GIRDER; WEST WEB @ FS18 / 1ST & 2ND STIFF. DOWN FROM FLG. 3 NUTS CUT
4	C2-280	DUE TO CLOSENESS TO STIFFENER " " " "
5	C2-281	E. GIRDER; EAST WEB; 1ST STIFF N. of FB72 / 3/8" LONG CRACK PROP. FROM WELD
6	C2-282	" " " " " " "
7	C2-283	SAMPLE PIECE / UP TO 1/8" RUST @ 3FT² AREA @ BASE; E. GIRDER; BETWEEN FB73-ID31
8	C2-284	2 LOOSE BOLTS AT GIRDER SPLICE; EAST GIRDER; W. WEB BET. ID31-C6-8
9	C2-285	CG8 EAST ANCHORAGE BOTTOM CABLE / MISSING RUBBER SEAL
10	C2-286	CG8 " " " " / LEAKAGE FROM CABLE END
11	C2-287	CG8 CENTER SPLICE AT RD 1/8" B/T 2 PL and BASE SPLICE PLATE
	C2-288	" " " " " "
	C2-289	WELD CRACK X FULL HEIGHT OF WELD; CG8 BAY 6 AT EAST WALL
	C2-290	CG8 WEST ANCHORAGE; BAY 8; BOTTOM CABLE / LOOSE RUBBER; LEAKAGE
	C2-291	CG8 " " ; BAY 9; " / LEAKAGE
	C2-292	FB73 IN EAST WIND FERRING COVER PL w/ UP TO 1/8" BEND
	C2-293	" " " " " "

PHOTO LOG

JOB #	BRIDGE:	
TranSystems	CAMERA #	DATE:	CREW:

DATE	PHOTO #	PHOTO DESCRIPTION
3/18	1 C2-294	BOWING IN W. FERRING B/T FB 61-62 ; EAST SIDE
	2 C2-295	TD 25 ; EAST WIND FERRING ; UP TO 3/16" GAP @ DIAG. BRACE / GUSSET
	3 C2-296	" " " " "
	4 C2-297	BOWING IN W. FERRING B/T FB 61-62 ; EAST FACE
	5 C2-298	UP TO 1/8" BEND @ FB 63 ; BTM FLNG. EAST W. FERRING
	6 C2-299	Missing bolt on E. Web near floor just N. of FB 75 E.B.G.
	7 C2-300	Bolt sheared off of PL @ underside of deck South of Stiff. that is S. of FB 76 E. Web E.B.G
	8 C2-301	Plate deflected 1/16" + bolt head down 1/4" at underside of top long. St. @ Fs. 20 E web E.B.G.
	9 C2-302	Nut backed off from bolt 1/2" @ underside of deck FS 20 E side E.BG. Tar leaking through
	10 C2-303	Bolt sheared off @ Floor FS. 20 btwn 2 East St. on floor E.B.G.
	11 C2-304	2ND STIFF S. ID 34 CRACK @ WELD W/ FLANGE E. GIRDER ; E. WEB
	12 C2-305	" " " "
	13 C2-306	" " " "
	14 C2-307	" " " "
	15 C2-308	HORIZONTAL STIFF. WELD ; E. GIRDER ; W. WEB B/T ID 34 - CG9
	16 C2-309	FB 85, EAST CANTILEVER SPLICE, STATION FLANGE BENT
	17 C2-310	" " " " "
3/19	1 C2-311	EAST BOX GIRDER EAST WEB CRACK @ 1ST STIFF SOUTH OF ID 36 ; DROP INTO FLANGE
	2 C2-312	" " " " "
	3 C2-313	INTERIOR EAST WIND FERRING ; END OF FERRING NEAR PIER 3
	4 C2-314	" " " " " SCREENING MISSING & OPEN END ALLOWING PIGEONS INTO FERRING
	5 C2-315	" " " " " HEAVY BUILD-UP OF DEBRIS (MOSTLY PIGEON EXCREMENT
	6 C2-316	" " " " " TYPICAL DEBRIS ALONG FERRING RIBS
	7 C2-317	" " " " " TYPICAL INTERIOR OF FERRING
	8 C2-318	" " " " " TYPICAL FERRING / FASCIA
	9 C2-319	" " " " " TYPICAL DECK / FB SPLICE IN FERRING
	10 C2-320	" " " " " TYPICAL LOWER FERRING / GIRDER CONNECTION
	11 C2-321	" " " " " TYPICAL CRACK ARREST HOLES @ BOX GIRDER SPLICE
	12 C2-322	" " " " " TYPICAL BOX GIRDER / CROSS GIRDER CONNECTION
	13 C2-323	E.B.G / EAST WEB @ 1ST STIFFENER NORTH OF ID 36 - CRACK @ TOP WELD DROP INTO FLANGE
	14 C2-324	" " " " " " " " " "
	15 C2-325	" " " " " " " " " "
	16 C2-326	EAST BOX GIRDER ; INSTRUMENTATION ATTACHED TO U/S FLANGE NEAR FB 90
	17 C2-327	" " " " " " " " " "
	18 C2-328	EBG - DISCONNECTED CONDUIT NEAR EAST WEB @ FB 90
	19 C2-329	EBG / EAST WEB TOP WELD @ 1ST STIFF SOUTH OF ID 42 CRACKED ; DROP INTO FLG
	20 C2-330	" " " " " " " " " "
	21 C2-331	" " " " " " " " " "
	22 C2-332	" " " " " " " " " "
	23 C2-333	CABLE TRAY MISSING COVER ; E. BOX GIRDER B/T ID 42 - 43
	C2-334	EBG / EAST WEB TOP WELD @ 2ND STIFF NORTH OF ID 43 CRACKED ; PROP INTO FLANGE
	C2-335	" " " " " " " " " "
	C2-336	" " " " " " " " " "

PHOTO LOG

JOB # P710070019	BRIDGE: Hale Boggs
CAMERA # C2	DATE: 3/19 / 3/20 3/21 / 3/24
Tran Systems	CREW: SWB/CRS/CTY/SGB/WRW

DATE	PHOTO #	PHOTO DESCRIPTION
3/19/08	C2-337	POROSITY @ CROSS GIRDER WELD BTWN PLATES B & C - CROSS GIRDER //
	C2-338	EBG, WEST WEB 1/2" GAP AT TOP FLANGE; 1ST STIFF N. ID 44
	C2-339	EBG; EAST WEB; 1ST STIFF S. ID 45 CRACK 1/8" PROP INTO FLANGE
	C2-340	" " " " " " "
	C2-341	EBG; EAST WEB; 1ST STIFF N. FB107 CRACK 1/4 PROP. INTO FLANGE AT SOUTH
	C2-342	" " " " " " "
3/20/08	C2-343	Wes
	C2-344	E.B.G. E.ST, 1st Stiffener N. ID45, Crack in weld prop. into Flange 1" B.S.
	C2-345	" " " " " "
	C2-346	Crack in Weld Prop into FL 1" N., 3/4" S. St. N. FB110 E.B.G. E. Face
	C2-347	Crack in Welds and FL @ st. N. of FB109 E.B.G. E. Side
	C2-348	" " " "
	C2-349	No weld btwn top of long. weld st. (4 from bottom) and N. side ID 46 E side E.B.G.
	C2-350	" " " "
	C2-351	Bull pin stuck in bolt hole plate B connection
	C2-352	Rust on sockets and leak on bottom
	C2-353	Bolt cut off by torch on plate B connection
	C2-354	Two bull pins stuck in bolt holes plate B connection
	C2-355	Melted/Torched Bull pin remaining in bolt hole Bay 7 PB East End CG12
	C2-356	Debris accumulated in bottom CG12 at E & W ends up to 4"
Fri 3/21/08	C2-357	Crack @ top of St. N. FB119 E.B.G. E side prop. 1" into FL S. side, 1/2" into FL N. side.
	C2-358	Typical Tub Framing E.B.G. btwn ID51 & Pier 1N
	C2-359	" " "
	C2-360	" " "
	C2-361	" " "
	C2-362	" " "
	C2-363	" " "
1-13 3/22/08	C2-364 - 376	EXP. JT AT N. END BY P1N, ON E. SIDE ON NB
14 3/24/08	C2-377	W. TUB, BTWN P1S, AND ID2, TYP. ELEV FB1
15	C2-378	" " " TYP. UNDERSIDE OF DECK
16	C2-379	" " " ON BOT FL AT STIFF INT. SLAG MAT (CLIPPED THERMITE CROSS) cond
17	C2-380	" " " BY W. WEB AT P1S DIA. 6" L x 1" T x 8" LONG (CLIPPED THERMITE CROSS)
18	C2-381	W. TUB, TYP. Debris on N side field splice plate FS1
19	C2-382	" " " Debris at base of west web splice plate FS1
20	C2-383	" " " condition of west web splice plate (east web splice & similar), FS1
21	C2-384	" " Stiffener N. ID2 on west web top weld north side crack 1/2"
22	C2-385	" " Stiffener N. ID2 on west web top weld south side " "
23-25	C2-386-388	W. TUB, FB5, N. ELEV. TYP. COND.
26-30	C2-389/393	W TUB, BTWN ID 3-4, W. WEB, CR AT 1STIFFN ID3, 3 1/2", IN FL
31	C2394	" " TYP. MULTIPASS COV WELD

PHOTO LOG

JOB # P701070019	BRIDGE: HALE BOGGS	
TranSystems	CAMERA # C2	DATE: 3/25	CREW:

	DATE	PHOTO #	PHOTO DESCRIPTION
	3/25/08	C2-395	Missing bolt CG#1 W. plate
		C2-396	missing bolt west stiff. E
		C2-397	West Stiff 1st stiff N. FB 12 crack in weld S.S.
		C2 398	" " N.S.
		C2-399	Crack in weld disp. 1½ south and 2" North into flange 1st stiff N FB 15
		C2-400	ID 7 N. face E.S., very top at deck connection incomplete weld.
1	3/26/08	C2-401	PIER 2 PIN UPPER, AT WEST TUB, W.E.
2-4		C2-402-404	WEST TUB, W. WEB, 2nd STIFF N OF ID 8, 3½" CR INTO BASE PAST WELDS
5		C2-405	" " FS 5 LT DEBRIS ALONG BOT FL
6-9		C2-406-408	WEST TUB S. ELEV. CG 2' (TGEN SHOT) (W. WEB, CG 2, E WEB)
10		C2-410	WEST TUB BTWN CG 2/ID 9 GEN SHOT BTM OF DECK
11		C2-411	" " FS 6 GEN SHOT OF WEB/FS
12		C2-412	WEST TUB BTWN ID 9/10, TYP. LT DEBRIS ON FLOOR/LAM. RUST
13		C2-413	" " TYP. LAM. RUST ALONG WEBS
14		C2-414	" " FB 21, W. WEB POROSITY IN WELD BTWN TOP FLG/WEB
15-16		C2-415-416	" " 2 STIFF N. OF ID 9, 4" CR TOT (WEB) IN BASE METAL
17-19		C2-417-419	" BTWN ID-10/11. 1 STIFF N ID 10, 2" CR. INTO B.M.
20		C2-420	" " TYP LT DEBRIS ALONG FLOOR/LAM RUST
21		C2-421	" BTWN ID 11/CG3 TYP. UNDERSIDE OF DECK
22		C2-422	" " TYP. FB COND FB 25' N. ELEV SHOT
23		C2-423	" " TYP. FLOOR COND, LT DEBRIS
1-4	3/27/08	C2-424-427	WEST TUB, E. WEB, AT FS4, CR FULL DEPTH ENTERIAM STRESS RELIEF CUT
5		C2-428	WEST TUB, W. WEB, 1 STIFF S. OF CG3 ¼" GAP BTWN STIFF/TOP FL
6		C2-429	WEST TUB, BTWN CG3 & ID 12, MOD. LAM. RUST ON WEB (NEG LOSS)
7		C2-430	" ", LT DEBRIS ALONG BOT FL
8		C2-431	" " BTWN ID 12/13 TYP. MOD. LAM. RUST ON WEBS
9		C2432	" " TYP. MOD LT/MOD DEBRIS ON BOT FL.
10		C2-433	" " TYP. MULT. PASS WELD, SHOT W. WEB/TOP FL
11		C2-434	WEST TUB BTWN ID 13/14 TYP KCOND. BOT OF DECK P.P
12		C2-435	" " TYP. LT RUST LAM. RUST ALONG WEB
13-16		C2-436-439	" " 1ST STIFF N OF ID 13, W. WEB 2½" CR IN BASE METAL
17		C2-440	WEST TUB BTWN ID 14, P2 TYP. MOD DEBRIS ON BTM FL
18		C2-441	" " TYP. MOD. LAM RUST ALONG WEBS
19		C2-442	" " N. ELEV FB 33
20		C2-443	" " S. ELEV P2
21-22		C2-444-445	WEST TUB, INT OF P2, WEST CHAMBER TYP. COND

PHOTO LOG

JOB # P701-07-0019	BRIDGE: HALE BOGGS	
Tran Systems	CAMERA # 2	DATE: 3/28 - 4/1	CREW:

	DATE	PHOTO #	PHOTO DESCRIPTION
1	3/28/08	C2-446	WEST TUB BTWN P2 ID 15, TYP MOD. LAM. RUST ABOVE STIFF @ CG4
2		C2-447	" " TYP LT DEBRIS & MOD. LAM RUST ALONG BTM PL
3-4		C2-448/449	" " N. OF FS 10 MISSING WELD ALONG OR. PL STIFF
5		C2-450	" " S. OF FS 10 POOR WELD BTWN SP PL / STIFF
6-9		C2-451-454	" " N. OF FB 35 3½" CR BTWN LIFT. LUG & DECK PL
10		C2-455	Light sheeting E. WEB, W. TUB BTWN ID 15/16
11		C2-456	W. TUB, BTWN ID 15/16, N. ELEV FB 37
12		C2-457	W. TUB BTWN ID 16/17 TYP. 4 HOLES UNDER STIFF.
13		C2-458	" " TYP, UNDERSIDE OF DECK
14-15		C2-459/460	W. TUB BTWN ID 17 / CG4, E. WEB, N. OF SPL 2 LOOSE BOLTS
16-19		C2-461-464	" " E. WEB CR. IN STRESS RELIEF HOLE NO PROP.
20		C2-465	" " N. ELEV. OF ID 17.
21		C2-466	W. TUB, W. WEB ABOVE CG4 (SLIGHTLY NORTH) ABRASION IN PT BTWN STIFF/WEB
22		C2-467	W. TUB, BTWN CG4 & ID 18 N. ELEV CG4
1	3/29/08	C2-468	W. TUB BTWN CG4 & ID 18, W. WEB / TOP FL MULTIPLE PASS / DISCONT.
2-4		C2-469-471	W. TUB 3' N. OF ID 18, NEAR W. WEB 1½" CR BTWN LIFTING LUG & DECK PL
5-8		C2-472-475	W. TUB, W. WEB BTWN ID 18/19, 2ND STIFF N. ID 18 3½" B.M CR
9		C2-476	" " BTWN ID 18/19 TYP. F CONN COND
10		C2-477	" " TYP. WEB COND (E. WEB SHOT)
11		C2-478	W. TUB BTWN ID 19/20, S. ELEV ID 20
12		C2-479	" " TYP BOT OF DECK
13-16		C2-480-483	" " W. WEB, 1ST STIFF N. FB 47, 4¾" CR B.M.
17		C2-484	W. TUB BTWN ID 18/19. W. WEB, LONG STIFF BENT ~ ¾" NEAR ID 19
18-19		C2-485-486	W. TUB BTWN ID 20 - CG5; E. WEB CR INTO HOLE 1½" TO S. OF CG5
20-21		C2-487-488	" " W. WEB CR INTO HOLE 1¾" " "
22		C2-489	" " N. OF FB FS 13 MISSING BOLTS
23		C2-490	" " GEN SHOT OF W. WEB.
24		C2-491	" " W. WEB FS 13 GEN SHOT
1	3/31/08	C2-492	General shot W. Girder, C.G. #5 looking South
2/3		C2-493/494	Crack in stiff to deck weld BTWN FB 52/53 1½" BM South 7/8" BM N. W. Gir. / W. WEB
4		C2-495	W. GIR. ID 21, Looking South
5/6		C2-496/497	W. GIR., W WEB, 1 STIFF. S. OF FB 54, 3 3/16" CRACK IN STIFF TO DECK WELD
7-8		C2-498/499	W GIRDER, WEST SIDE OF DECK, 2½" TOTAL LENGTH CRACK IN LUG TO DECK WELD
9		C2-500	W GIRDER ACCESS DOOR TO WIND F. BROKEN HANDLE
10		C2-501	W GIRDER, N. FACE OF FB 56
11		C2-502	W Girder, South Face C.G. 6 Generic Condition
12		C2-503	W Girder, E. Web Splice with C.G. 6
1	4/1/08	C2-504	W Girder, W Wall FB 59 Splice. Missing two bolts
2		C2-505	W Girder, E Wall, N of ID 25
?		C2-506	W GIRDER, E WALL AND FLOOR NEAR ID 27
4		C2-507	W GIRDER WEST WALL 3"ϕ PLUG @ END OF HORIZONTAL STIFFENER
5		C2-508	W GIRDER, WEST WALL, MISSING FOAM ROLL TO PLUG HOLE
		C2-509/510	W GIRDER, DECK, LIFTING LUG, 32" WELD CRACK APP. 1 3/4" IN W.M.

PHOTO LOG

JOB #	BRIDGE:	
CAMERA #	DATE:	CREW:

TranSystems

	DATE	PHOTO #	PHOTO DESCRIPTION
	4/1/08	C2-511	W. GIRDER, UNDERSIDE OF DECK, NEAR ID 29
1	4/2/08	C2-512	BROKEN CONDUIT BRACKET ATT STIFFENER, W GIRDER
2		C2-513	W GIRDER, NORTH FACE C.G. #8
3		C2-514	W GIRDER, WEST SIDE, MISSING NUT @ DIAGONAL STIFFENER
4		C2-515	W. GIRDER, EAST WEB, SOUTH OF FB 77, RUST SHEETING @ STIFFENER
5		C2-516	W. GIRDER, UNDERSIDE OF DECK, SOUTH OF F.B. 78.
6		C2-517	W. GIRDER, FLOOR @ ID 33, SHOWING RUST SHEETING
7		C2-518	W GIRDER, ACCESS TO WIND FEERING, NORTH OF ID 33
8		C2-519	W GIRDER, W WEB, BROKEN WELD TIP @ STIFFENER TO DECK WELD
9		C2-520	W. GIRDER, W. WEB SPLICE GENERAL ELEVATION
10		C2-521	W GIRDER, W WEB, BROKEN CONDUIT BRACKET
11		C2-522	W GIRDER, S. FACE F.B. 87 GENERAL ELEVATION
1	4/3/08	C2-523	W GIRDER, FS23, W. WEB, TOP HOR. STIFF. SPLICE IS BENT
2-4		C2-524/526	W GIRDER, LIFTING LUG ATTACHED TO DECK, CRACK IN WELD (2 3/4" LONG)
5		C2-527	W GIRDER, SOUTH FACE ID 38, BROKEN LADDER RUNG
6		C2-528	W GIRDER, E WALL ELEVATION JUST SOUTH OF FB 91.
7		C2-529	W GIRDER, W WALL, RUST SHEETING, N OF FB 93
8-9		C2-530/531	W GIRDER 3 1/4" B.M. CRACK IN LUG TO DECK WELD
10-12		C2-532/534	W GIRDER 5" BM CRACK IN STIFF. BTWN FB 95 & FB 96 (WEST WALL)
1	4/4/08	C2-535/536	W GIRDER, WEST WALL, SOUTH OF CG 10, POOR WELD @ BRACKET
3		C2-537	W GIRDER, UNDERSIDE OF DECK @ FS 25, GENERAL CONDITION
4		C2-538	W GIR., BTWN CG 10/ID 41 LT DEBRIS W/MOISTURE ON ROT'E BY WELD
5		C2-539	" " FS 26, DECK PAN SPL DETAIL
6		C2-540	W. GIR BTWN ID 41/42, N. ELEV FB 100
7-9		C2-541-543	" " C.R. 1ST STIFF N. OF FB 101 4"
10-13		C2-544/547	W GIR 3" CRACK IN BM OF WELD BETWEEN LUG AND DECK
14		C2-548	W GIRDER, WEST WEB SPLICE, BOLTED SPLICE PLATE
15		C2-549	W GIRDER, WEST WEB, MISSING FOAM PLUG
16-19		C2-550/553	W GIRDER @ CG 11, WEST SIDE, RUST AT CROSS GIRDER AND SPLICE
20		C2-554	W GIRDER, SOUTH FACE OF ID 44, RUST SHEETING
21		C2-555	W GIRDER, MODERATE RUST ON FLOOR N OF ID 44
22-0		C2-556/557	W GIRDER 2 1/4" BM CRACK IN LUG TO DECK WELD N OF FS 107
1-4	4/5/08	C2-558-561	W. GIR, W. WEB S. OF CG 11, CRACKS GOING TO STRESS RELIEF (FULL DEPTH) HOLES
5-7		C2-562-564	W. GIRDER, W. WEB, 1ST STIFF N. OF ID 45, 4 1/4" B.M. CR.
8		C2-565	W. GIR. BTWN ID 45/46, TYP. COND./N. ELEV FB 110
9		C2-566	W GIRDER, WEST FB 111 WEB/STIFF. WELD INTERSECTING WELD
10		C2-567	W GIRDER, EAST WEB, CRACK GOING INTO STRESS RELIEF HOLE.
11		C2-568	W GIRDER BOLTED & WELDED CONNECTION @ FB 112
12		C2-569	W GIRDER, W WALL, N OF ID 46, RUST SHEETING
0		C2-570	W GIRDER, E. WEB, PIGEON DEBRIS
14		C2-571	W GIRDER, E WEB DIAGONAL SPLICE, DRIFT PINS INSTEAD OF BOLTS
15		C2-572	FLOOR OF BAY @ PIER 4 CONNECTING EAST & WEST GIRDERS

PHOTO LOG

TranSystems	JOB #	BRIDGE: Hale Boggs	
	CAMERA #	DATE: 4/8/08	CREW: BRC/BS/CTY/MJS

	DATE	PHOTO #	PHOTO DESCRIPTION
16	4/5/08	C2-573	
17		C2-574	
18		C2-575	BENT LADDER RUNG @ PIER 4 (WEST GIRDER, N FACE OF DIA., EAST SIDE
19		C2-576	WEST. GIRDER, TOP OF CROSS GIRDER 12, NW I SPLICE, MISSING BOLT.
20		C2-577	W. GIRDER, WEST SIDE TOP OF CGIR, PACK RUST
21		C2-578	W GIRDER, EAST WALL DIAGONAL SPLICE, 2 MISSING BOLTS
22-23		C2-579/580	W GIRDER, CONDUIT ATTACHMENT TO WEST WALL, SHOWING ABRASION
24		C2-581	W GIRDER, EN WEB, ELEC. JUNCTION BX MISSING BOLTS
25		C2-582	W GIRDER, FLOOR BENT LONG. STIFFENER
1-2	4/7/08	C2-583/584	I-310 SOUTHBOUND, TRAFFIC CONTROL, CHANGEABLE MESSAGE BOARD
3		C2-585	I-310 SOUTHBOUND, TRAFFIC CONTROL, ROAD WORK AHEAD SIGNS
4		C2-586	I-310 SOUTHBOUND, TRAFFIC CONTROL, RIGHT LANE CLOSED AHEAD SIGNS
5		C2-587	I-310 SOUTHBOUND, TRAFFIC CONTROL, MERGE SIGNS
6-7		C2-588/589	I-310, SOUTHBOUND, TRAFFIC CONTROL, ARROW BOARD & TAPER
8		C2-590	I-310 SOUTHBOUND, CRASH VEHICLE
9		C2-591	RESCUE BOAT, FROM SOUTHBOUND SHOULDER OF BRIDGE
10		C2-592	I-310 SOUTHBOUND, LOOKING SOUTH @ TOWER 3
11		C2-593	I-310 SOUTHBOUND, LOOKING NORTH, BRIDGE APPROACH
12		C2-594	I-310 SOUTHBOUND, LOOKING SOUTH, SNOOPER AND EQUIPMENT
		C2-595	I-310 SOUTHBOUND, LOOKING NORTH, TOWER 2
14		C2-596	I-310 SOUTHBOUND, LOOKING SOUTH, BRIDGE APPROACH
15		C2-597	RESCUE BOAT, FROM SOUTHBOUND SHOULDER OF BRIDGE
16		C2-598	W GIRDER, WEST WEB, 1 1/2" CR. IN WM IN STIFF. between FB's 119, 120, N. SIDE
17		C2-599	W GIRDER, ALUMINUM FRAME IN BAY
18-20		C2-600/602	W GIRDER 4" CRACK IN STIFF TO DECK B.M. North of FB 122
21		C2-603	W GIRDER, DECK, WEST SIDE, 2'/4" CRACK IN BM @ LUG
22-23		C2-604/605	W GIRDER, END CONC. DIA. SHOWING CRACKS & EFFLORESENCE
24		C2-606	GENERAL SHOT W. GIRDER, LAST BAY, LOOKING NORTH
25-27		C2-607/609	GENERAL VIEW OF PEENER ALONG WEST SIDE AT C.G.1
28-29		C2-610/611	GENERAL OVERALL VIEW OF PEENER ALONG WEST SIDE AT C.G.1
1-3	4/8/08	C2-612/614	TIER 11 - NE CORNER TEST LOCATIONS Tower 2 E. leg
4-7		C2-615/618	TIER 11 - SW CORNER TEST LOCATIONS Tower 2 E. leg
8-10		C2-619-621	TIER 15 - NE corner Test conditions Tower 2 E. leg
11-13		C2-622-624	TIER 15 - SW corner Test conditions Tower 2 E. leg
14-19		C2-625-630	TIER 19 Test Conditions 1 per bay starting in NW corner and going clockwise Tower 2 E. leg
20-21		C2-631-632	Typ. Corner setup for 6 Meter Tower 3 E Leg Tier 6 (NE bay shown)
22-23		C2-633-634	Typ. Int. bay setup Tower 3 E Leg Tier 6 NC bay shown
24		C2-635	Center West bay West Wall Tower 3 E leg Tier 6 (by Strut)
25		C2-636	Center center bay E Wall Tower 3 E Leg Tier 6

PHOTO LOG

JOB #	BRIDGE:	
TranSystems	CAMERA #	DATE:	CREW:

DATE	PHOTO #	PHOTO DESCRIPTION
4/9/08	C2-637	LOCATION B BETWEEN FB9 AND ID5 FOR D-METER TEST
	C2-638	DIGITAL PLUNGER SETUP @ FB9 AND ID5 EAST SIDE
	C2-639	FLOOR OF 2ND TEST AREA, WEST GIRDER BTWN FB13 & ID6
	C2-640	WEB " " " " " " " " WEST WEB
	C2-641	FLOOR OF 3rd TEST AREA, WEST GIRDER, BTWN ID11 & FB26
	C2-642	WEB " " " " " " " " " EAST WEB
	C2-645	Floor of 5th Test Area, West Girder BTWN ID19 & FB46
	C2-646	Web " " " West Web
	C2-647	Web " " " East Web
	C2-648	Floor of 6th Test Area West Girder just South of FB65
	C2-649	W.Web " " W. Web
	C2-650	E. Web " "
	C2-651	Floor of 7th Test Area West Girder btwn FB80 and ID34
	C2-652	W Web " "
	C2-653	E. Web " "
	C2-654	Floor of 8th Test Area West Girder btwn Tower 3 + FB91
	C2-655	W. Web " "
	C2-656	E. Web "
	C2-657	Floor of 9th Test location West Girder btwn FB103 and ID43
	C2-658	W. Web " "
	C2-659	E. Web " "
	C2-660	Floor of 10th Test location West Girder btwn FB118 and ID49
	C2-661	W. Web " "
	C2-662	E. Web " "
	C2-663	Floor at 1st Test location E Girder Btwn FB115 and ID47
	C2-664	E. Web " "
	C2-665	W. Web " "
	C2-666	Floor at 2nd Test location just north of ID45 East Girder
	C2-667	E. Web " "
	C2-668	W. Web " "
69	C2-669	Floor at 3rd Test location E girder btwn ID41 and FB99
70	C2-670	E. Web " "
71	C2-671	W. Web " "
	C2-643	FLOOR OF 4th TEST AREA, BTWN FB35 & 36,
	C2-644	WEB OF 4th TEST AREA, BTWN FB35 & 36
4/10/08	C2-672	E. GIRDER W. WEB BTWN ID35 & 36
	C2-673	" FLOOR "
	C2-674	" E WEB "
	C2-675	" W WEB BTWN CG#E & ID32
	C2-676	" FLOOR "
	C2-677	" E. WEB "

PHOTO LOG

JOB #	BRIDGE:	
TranSystems	CAMERA #	DATE:	CREW:

DATE	PHOTO #	PHOTO DESCRIPTION
4/10/08	C2-678	E GIRDER W. WEB BTWN ID26 & ID27
	C2-679	" FLOOR "
	C2-680	" E WEB "
	C2-681	E GIRDER W. WEB BTWN ID22 & 1023
	C2-682	" FLOOR "
	C2-683	" E. WEB "
	C2-684	E GIRDER W WEB BTWN ID13 & 14
	C2-685	" FLOOR "
	C2-686	" E. WEB "
	C2-687	E GIRDER W. WEB BTWN 106 & 107
	C2-688	" FLOOR "
	C2-689	" E. WEB "
	C2-690	E. GIRDER W. WEB BTWN 103 & 104
	C2-691	" FLOOR "
	C2-692	" E. WEB "
22 4/10/08	C2-693	PIER 1N, E. GIR. E. BRG, BROKEN KEEPER NW CORNER
23	C2-694	" " SPALL ON N.F. 1'L x 6"T
24	C2-695	" " FROZEN KEEPER W/GAGE IN IT
?	C2-696	" " SPALL S.F. PEDESTAL F.H. x F.W.
?	C2-697	" " NE ELEV.
27	C2-698	PIER 1N, E.GIR. W. BRG. BROKEN/MISING KEEPER IN NW CORNER
28	C2-699	" " 6½" x 2½" CUT PIECE IN P IN N.W. CORNER
29	C2-700	" " N.E. ELEV
30	C2-701	" " INDICATIONS OF MOV. 6" ON SLIDE P., N. SIDE
31	C2-702	PIER 1N, W.GIR. E. BRG, 3'L x FH PEDESTAL SPALL N.F.
32	C2-703	" CUT OUT IN P. NE CORNER 6½" x 2½"
33	C2-704	" " NW KEEPER, BENT OUT OF PLANE
34	C2-705	" " NE ELEV.
35	C2-706	PIER 1N, W.GIR. W.BRG, NE SPALL ON PEDESTAL F.H. x 2'1
36	C2-707	" " BENT N/W KEEPER
37	C2-708	" " NW ELEV

PHOTO LOG	JOB # P710070019	BRIDGE: Hale Boggs Bridge	
TranSystems	CAMERA # C3	DATE: 3/4/08	CREW: SD

DATE	PHOTO #	PHOTO DESCRIPTION
3/4/08	C3-1	East Elev. of East Brg. @ Pier 2/Tower 2 of Box Girder
	C3-2	Close up of E. Elev. of Brg. Assembly of East Brg @ Pier 2
	C3-3	East Elev. of N. Keeper plates @ East Brg @ Pier 2
	C3-4	West Elev of East Brg @ Pier 2
	C3-5	West Elev of North Keeper PL's of west Brg Assem. of East Brg. @ Pier 2
	C3-6	West Elev of East Brg, Assemb. of West Brg @ Pier 2
	C3-7	East Elev. of West Brg. Assemb. of West Brg. @ Pier 2
	C3-8	West Elev. of West Brg @ Pier 2
	C3-9	West Elev. of North Keeper PL of West Brg, Assemb of West Brg, Pier 2
	C3-10	East Elev. of West Brg @ Pier 2
	C3-11	SE Stiffener of Center Keeper assembly @ Pier 2 bent to the west
	C3-12	South Elev. of East Side of center Keeper @ Pier 2
	C3-13	SE Elev. of Center Keeper @ Pier 2
	C3-14	NE Elev. of Center Keeper @ Pier 2
	C3-15	North Elev of West Side of Center Keeper @ Pier 2
	C3-16	West Elev of Center Keeper @ Pier 2
	C3-17	Bottom of 2nd post from West End of North Railing on Pier 2 lower Strut
	C3-18	West end of Rail on top of Pier 2 Lower Strut (4 visible posts detached)
	C3-19	Looking South From Pier 2 Lower Strut (west Elev.)
	C3-20	Looking North From Pier 2 Lower Strut (West Elev.)
	C3-21	East Brg for East Box Girder @ Pier 1S w/ missing Keeper PL
	C3-22	East Elev. of East Brg for East Box girder @ Pier 1S w/ Spall
	C3-23	East Elev of East Brg for East Box girder Pier 1S
	C3-24	South Elev. of East Brg for East Box girder @ Pier 1S
	C3-25	SW Keeper PL in contact w/ horiz. Pl @ East Brg, East Box Pier 1S
	C3-26	SE Corner of West Brg of E. Box Girder @ Pier 1S
	C3-27	NW Elev. of West Brg of E. Box Girder @ Pier 1S w/ missing NE Keeper
	C3-28	West Elev. of West Brg of E. Box Girder @ Pier 1S
	C3-29	SW Keeper in Contact w/ horiz. plate @ West Brg of E. Box Girder Pier 1S
	C3-30,31	Looking North @ boat under Bridge
	C3-32	East Elev of E. Brg for West Box Girder @ Pier 1S
	C3-33	SW Corner of E. Brg for West Box Girder @ Pier 1S
	C3-34	South Elev. of E. Brg for West Box Girder @ Pier 1S West Side in Contact
	C3-35	SE Elev. of West Brg of West Box Girder @ Pier 1S (Spall)
	C3-36	SW Keeper of West Brg of West Box Girder @ Pier 1S w/ Previous Contact
	C3-37	West Elev. of West Brg of West Box Girder Pier 1S
	C3-38	North Elev of West Brg of West Box Girder Pier 1S (Spall)
	C3-39-41	Pier 1S Approach Span Brgs over contracted (≈ 2½ to the south) (15/8" ± Gap @ N. End)
3/5/08	C3-42	E. Elev. of E. Box Girder Brg @ Pier 3
	C3-43	NE Elev. of E. Brg of E. Box Girder @ Pier 3
	C3-44	SE Elev. of E. Brg of E Box Girder @ Pier 3
	C3-45	SE Elev of W. Brg of E. Box Girder @ Pier 3

PHOTO LOG	JOB # P710070019	BRIDGE: Hale Boggs Bridge	
TranSystems	CAMERA # C3	DATE: 3/5/08	CREW: SD

DATE	PHOTO #	PHOTO DESCRIPTION
3/5/08	C3-46	Measurement A @ E. Brg. of E. Box Girder @ Pier 3 (2 5/8")
	C3-47	Ship under Main Span Looking South
	C3-48	NW Keeper of W. Brg Assembly for E. Box Girder @ Pier 3 (Contact)
	C3-49	W. Elev. of W. Brg Assembly for E. Box Girder @ Pier 3
	C3-50	W. Elev. of W. Brg for E. Box Girder @ Pier 3 (overall)
	C3-51	E. Elev of E. Brg For W. Box Girder @ Pier 3 (Overall)
	C3-52	NE Elev. of E. Brg For E. Box Girder @ Pier 3
	C3-53	SE Elev. of E. Brg For E. Box Girder @ Pier 3
	C3-54	NW Keeper of W. Brg Assembly for W. Box Girder @ Pier 3 (Contact)
	C3-55	W. Elev. of W. Brg Assembly For W. Box Girder @ Pier
	C3-56	W. Elev. of W. Brg Assembly For W. Box Girder @ Pier (overall)
	C3-57	Pier 3 Lower Strut Railing @ West End (Last 2 posts Each Side disconnected)
	C3-58	Pier 3 Lower strut Railing post disconnected (2nd post from west end on N. side shown)
	C3-59	W. Elev. of Center Keeper Assembly @ Pier 3
	C3-60	N. Elev. of West Side of Center Keeper Assembly @ Pier 3
	C3-61	N. Elev. of East Side of Center Keeper Assembly @ Pier 3
	C3-62	E. Elev. of Center Keeper Assembly @ Pier 3
	C3-63	Pier 3 Lower Strut Railing @ E. End Looking East (Last 2 post on N. side & Last post on S. side disconnected)
	C3-64	CTL Inspection buggy @ Cable 2 East side
	C3-65	CTL Inspection buggy @ Cable 2 East Side
	C3-66	Looking South From North Approach
	C3-67	Looking South From North Approach
	C3-68	East Elev. of Bridge Looking North
	C3-69	East Elev. of Main Span
	C3-70	East Elev. of Tower / Pier 2
	C3-71	SouthEast Elev. of Tower / Pier 3
	C3-72	East Elev. of Span 1
	C3-73	East Elev. of span 2
	C3-74	U/S of span 1 Looking South
	C3-75	U/S of span 2 Looking North
	C3-76	East End of CG2 in span 2
	C3-77	Looking North @ Pier 2 & Span 3
	C3-78	West Elev of Span 3 Looking North
	C3-79	West Elev of Span 3 Looking East
3/6/08	C3-80	CTL Inspector on Cable 6, East, @ Pier 2 North Face
	C3-81	South Elev. of Tower / Pier 3
	C3-82	Cable 7 East Looking north
	C3-83	Cable 8 East Looking North
	C3-84	Typ cond. of NB Roadway, Span 3 Shown
	C3-85	Typ cond of NB Roadway, Exterior parapet
	C3-86	Cable 9 East Looking North
	C3-87	Typ NB Roadway Looking South in span 3

PHOTO LOG	JOB # P710070019	BRIDGE: Hale Boggs Bridge	
TranSystems	CAMERA # C3	DATE: 3/6/08	CREW: SD

DATE	PHOTO #	PHOTO DESCRIPTION
3/6/08	C3-88	Ship going under Bridge
	C3-89	Cable 10 East Looking South
	C3-90	Cable 11 East Looking South
	C3-91	Cable 12 East Looking South
	C3-92	Insp. @ top of Tower 3, N. Elev.
	C3-93	N. Elev. of Tower 3
	C3-94,95	NB Roadway deck Joint @ Pier 1N
	C3-96	U/S of 3rd Long. Bars from East of Mod. Deck Joint @ Pier 1N
	C3-97	U/S of Pier 1S Deck Joint Looking West
	C3-98	N. Elev. of Pier 4
	C3-99	E. Elev. of E. Brg For E. Box Girder pier 1N
	C3-100	Bent NW keeper PL on E. Brg For E. Box Girder @ Pier 1N
	C3-101	Missing NW keeper PL on W. Brg For E. Box Girder @ Pier 1N
	C3-102	West Elev. of W. Brg of East Box Girder @ Pier 1N
	C3-103	E. Elev. of E. Brg For W. Box Girder @ Pier 1N
	C3-104	NW side of E. Brg For W. Box Girder @ Pier 1N with Rubber Squeezing out
	C3-105	Bent NW keeper PL on W. Brg For W. Box Girder @ Pier 1N
	C3-106	W. Elev. of W. Brg For W. Box Girder @ Pier 1N
	C3-107	NEW Inspection Vehicles
	C3-108	East Box Girder Interior Looking North From ID2
	C3-109	" " " " " " "
	C3-110	South Elev. of ID2 in East Box Girder
	C3-111,112	" " " " " " "
	C3-113	S. Elev. of CG1 From East Box Girder
	C3-114	Typical Deck Splice (E. Box Girder adjacent to S. Face of CG1)

PHOTO LOG

JOB #	BRIDGE: Luling	
TranSystems	CAMERA # C3	DATE: 3/10	CREW: CRS / SWB

DATE	PHOTO #	PHOTO DESCRIPTION
3/10	C3-115	I.R @ N.E Corner/11 Leg; Tower 2; East Column Exterior; Splice 4
	C3-116	I.R @ N.E Corner/Leg; Tower 2; East Column Exterior; Splice 5
	C3-117	I.R @ N.E Corner/Leg; Tower 2; East Column Exterior; Splice 5
	C3-118	I.R @ N.E. corner/Leg; Tower 2; East Column Exterior; Splice 6
	C3-119	up to 3/16" I.R around lower cable 10 Anchorage; N. Cable; Tower 2 East
	C3-120	" " " " " " " " "
	C3-121	" " 3/8" " " upper Cable 10 " " "
	C3-122	" " " " " " " "
	C3-123	" " " " " " " "
	C3-124	Missing Pigeon Screen @ Lower cable 11; East Column; Tower 2; North
	C3-125	Cable 11/12 Missing Pigeon Screens; North Side; East Column; Tower 2
	C3-126	Trap @ Plate 11 upper Anchorage; North Side; E. Column; Tower 2
	C3-127	Vertical Splice @ upper Strut; North Exterior; Column East; Tower 2
	C3-128	" " " " " "
	C3-129	Missing Bolt @ 11 upper Anchorage; North Ext.; East Column; Tower 2
	C3-130	1/4" Gap at @ Cable 12 upper East; North Ext.; East Column; Tower 2
	C3-131	I.R. @ 12 upper West Anchorage; North Ext; East Column; Tower 2
	C3-132	General views cable 10 upper; North Ext; East Column; Tower 2
	C3-133	U/S upper Strut; Tower 2 From East Column; Flaking Rust
	C3-134	U/S splice @ upper Strut; Tower 2 From East Column.
3/13	C3-135	North Elev., Tower 3; West Leg @ Cable 10
	C3-136	" " " @ Cable 11
	C3-137	" " " @ Cable 11 Looking Down @ Cable 10
	C3-138	" " " Looking @ set of Cables 12; Missing Bird Screen
	C3-139	" " " Looking Across at Strut
	C3-140	Tower 3, West Leg, West Elevation, 1"Ø Hole
	C3-141	Tower 3, West Leg, West Elevation, showing possible weld on Tower face
8/20/08	C3-142	Exp Joint @ Pier 1, N.B
	C3-143	Typ Rail Detail - N.B
	C3-145	Typ Top of Deck NB - Span 1
	C3-146	Missing Bolt E. Rail Span 1
	C3-147	Patch in W.S. NB - Span 1
	C3-143	Isolated map cr in Asph. NB, S. of C01
	C3-148	Pier 15 Looking South (N.B.)
	C3-149	Typ. Railing at transition (N.B.)
	C3-150 thru 152	Modular Joint at P15, Filled w/ debris at E. End, Hvy debris rest
	C3-153	Missing nut on E. Railing, 10's of P15.
	C3-154	Missing Anchr Bolts on E. Railing at Stl/Conc. Rail Switch
	C3-155	N.B., E. Rail. at Stl/Conc Splice, 1'L x 3'D x Full Width Spall
	C3-156	Top of Deck N.B at P15, Looking North
	C3-157	130 & map cr in Asph NB, S. of C01
	C3-158	Typ. Stl Rail along E. Rail N.B. Brun C01 & P15

PHOTO LOG

JOB # P710070019	BRIDGE: LULING BRIDGE, LULING, LA	
CAMERA # 3	DATE: 3/27/08 3/28 & 3/29	CREW: JHL SGB

DATE	PHOTO #	PHOTO DESCRIPTION
3/27/08		
1	C3-159	6' long. crk 1'E. lanelines just N. P1 S jt.
2	C3-160	long and trans. cks 30' S CG #1
3	C3-161	short long cks at SWL just S of and at CG #1
4	C3-162	≈60' N CG #1 short long cks at SWL start going to 1"2
5	C3-163	patch w/ long crks. West W.L. E. Lane NB
6	C3-164	at ≈22' N CG #2 photo of short long. cks at SWL
7	C3-165	patches in W.W.L. E. Lane NB just S CG. #11
8	C3-166	2'-6"W x 3' long depression in EWL E. Lane 90' S CG #12; 3/4" deep
9	C3-167	transition btw. prmt. & conc. ≈60' S. CG #12
10	C3-168	Continuation of long crks into conc. surface; became continuous in conc. Lk N 60' S CG #12
11	C3-169	fines and gravel in E end of jt.
12	C3-170	overall photo of Jt. Lk W.
13	C3-171	Missing section of jt. 3rd Armor line from N
14	C3-172	Crack in 2nd Armor line from N.
3/28/08	C3-173	Gen. of W. web exterior start at WF N. tower 2
	C3-174	Gen of W. FB36 exterior in E. WF "
	C3-175	Gen of W WF. & Stiffeners w/ pigeon dropping N. tower 2
	C3-176	W. WF S. end missing pigeon screens at the end.
	C3-177	W. WF N. FB36 lamination w/ area of 100% loss
	C3-178	Gen "W BG, W WF ID 15
3/29/08	C3-179	W. BG, W. WF, S of WF 1'-6" fascia beam brkt.
	C3-180	W. BG. W. WF, Top sec. B, 2nd ST. down, debris build up from road.
	C3-181	CG 4, W.S., W. of BG, diagonal ST between CG & Deck FL, abrasion dust
	C3-182	W. BG, W. WF, 1st ST below sec A, lamination along ST.
	C3-183	W BG, W. WF, ID 19, trans. ST for WF panel is kinked also FB 4?
	C3-184	W BG, W. WF, FB 48 & ID 20, 3rd purlin from btm has deformation.
	C3-185	W. BG, W. S. ID 22, bracket connecting beam to deck FF, miss. bolt, bolts are short
	C3-186	W. WF, FD 53, Trans ST for WF panel, 1st purlin from top has sec. loss S. face
	C3-187	CG 5, W.S. Top on N. edge debris and moisture collected on top
	C3-188	Gen of interior W. WF looking S. FD 54
	C3-189	Gen " " " N. FB 55
	C3-190	W. BG, W.S. between FB 54 and FB 55, pitting on web, 2" dia. 1/16" d

3/27/08

PHOTO LOG

JOB # P710076019	BRIDGE: Luling Bridge Luling, LA	
TranSystems	CAMERA # C3	DATE: 3/31/08	CREW: JHR / BC & JHR 4-40 1-3

DATE	PHOTO #	PHOTO DESCRIPTION
3/31/08	C3-191	PIER 2, 2nd FS FROM BOT, W. COL, NE CORNER 7/8" P.R.
23	C3-192/193	P2. W. COL. NE CORNER 1/4" RUST ON STRUT BOT R'S AT SR
4	C3-194	West Box just S. PIN Bottom holes in PL B 1 1/2" ϕ
5	C3-195	Anchorage for light standard? just S FB 122
6	C3-196	General Photo underside west overhang at FS 31 1K N to Pier 1N
7	C3-197	General " " " " " " " 1K S to Pier 4
8	C3-198	Falcon on CG 12 west end.
9	C3-199	Plugged holes West Box East web at N. end splice CG 12 N side
10	C3-200	General Picture Splice from N end 1K. South E. Web West Box
11	C3-201	Plugged holes West Box Eastweb at S. end splice C.G 12 N side
12	C3-202	Plugged hole below inclined splice PL in E. web West box N CG 12
13	C3-203	General Photo S. bot splice PL's in E. web west box N CG. 12
14	C3-204	General 1K along bot S edge CG. 12 to E. box at N side Pier 4
15	C3-205	Base of Pier 4 W brg W. Box
16	C3-206	Pier 4 E brg. E box bird grate is loose on N side
17	C3-207	Pier 4 center Brg
18	C3-208	Pier 4 W Brg W. box brg grate is loose on N. side
19	C3-209	Pier 4 E and Center Brgs from N side
20	C3-210	Gen Pict. Pier 4 W. Brg. West Box
21	C3-211	Gen Pict. Top splice PL CG. 12 at West Web West Box
22	C3-212	Gen Pict. N end CG 12 from N side
23	C3-213	Gen Pict. NCG 12 from N. Side 1K S.
24	C3-214	S bound Jt. East and West lanes - jt armor alignment
25	C3-215	E Shoulder S. Bound Jt. - gravel
26	C3-216	Brakedown lane S. Bound Jt. - gravel
27	C3-217	1' sec. of comp. seal coming free of armor on north side (2nd seal from N.)
28	C3 218	Gen photo so. bd. deck from just N PIN
29	C3-219	Long crks West Wheel Line
30	C3-220	Long crks East Wheel Line
31	C3-221	Pvmt Transition ≈ 80' S. of Pier 4
32	C3-222	long. crks at SWL or just west of it
33	C3-223	long crks at SWL or just west of it
34	C3-224	patch West Lane So. Bd. 20' S. Pier 3
35	C3-225	transverse and long. gouges in E. Lane appror 30' long
36	C3-226	intermittent gouges 3-4' long from SWL across W Lane to C3-225
37	C3-227	intermittent long. crks < 1' long on ≈ 15' ¢'s at SWL
38/39	C3-228/229	3.5' x 20' patch W.W.L. of West Lane w/ wide long crks.
40	C3-230	Gen Photo of SB Lanes from just S CG 8 LK N.

PHOTO LOG

TranSystems	JOB # P71007019	BRIDGE: HALE BOGGS	
	CAMERA # C3	DATE: 4/2/08	CREW: 4/2/08 BKC/SHR 4/3/08 RGM/BKC

	DATE	PHOTO #	PHOTO DESCRIPTION
1	4/2/08	C3-231	W. WIND FERRING, BTWN CG 8/9. TYP. RUST STAINING/WATER INFIL TRACE
2		C3-232	" " TYP. LT DEBRIS ON STIFF
3		C3-233	" ", S. OF FB 77 TYP. 100% SEC. LOSS 6" HIGH 3-4 LOCK
4		C3-234	" ", MOD DEBRIS ON TOP OF STIFF BY CG8
5		C3-235	" ", FS21 TYP. COND.
6		C3-236	" ", S. ELEV FB 79, TYP. COND
7		C3-237	W. WIND FERRING BTWN CG9/PIER 3. SIGNS OF WATER INFILTRATION (FB 86)
8		C3-238	" " TYP. LOSS INSIDE FERRING, SHOT FROM FB 87
9		C3-239	" " TYP. LT DEBRIS ON TOP OF STIFF
10		C3-240	" " TYP MOD. DEBRIS ON TOP OF STIFF
11		C3-241	Photo of top of F.S. 23
12		C3-242	Poto of heavy debrie N FB 89
13	4/2/08	C3-243	Missing nething N end wind ferring at FB 90
1	4/3/08	C3-244	E. TUB AT PIER 1, E. ELEV OF TOP PIN.
2		C3-245	E. TUB AT PIER 1, W. ELEV OF TOP PIN.
3		C3-246	E. TUB AT PIER 1, BOT PIN. I.R. ON E.F. OF NUT
4		C3-247	" " ELEV OF EAST NUT (E. ELEV)
5		C3-248	" " TYP. COND WEST NUT
6		C3-249	" " WEST ELEV OF NUT
		C3-250	" " DOUBLE NUTS W/ NO THREADS SHOWING
8		C3-251	WIND LOCK AT PIER 1, E. ELEV
9		C3-252	" " E. PIN BEARING? SEC A-A N. ELEV
10		C3-253	" " W. PIN BEARING? SEC A-A N. ELEV
11		C3-254	" " W. ELEV.
12		C3-255	W. TUB AT PIER 1, BOT PIN. I.R. 3/4" UP TO E. FACE
13		C3-256	W. TUB AT PIER 1 BOT PIN. E. ELEV
14		C3-257	W. TUB AT PIER 2; ASSEMBLY W/NEG. 1 THREAD COUNT
15		C3-258	W. TUB AT PIER 2; BOT PIN I.R. UP TO 3/8" W. FACE
16		C3-259	W. TUB AT PIER 2; BOT PIN W. ELEV
17		C3-260	W. TUB AT PIER 2, TOP PIN, E. ELEV
18		C3-261	" " EAST NUT 1/4" GAP BTWN NUT/WASHER
19		C3-262	" " W. ELEV
20		C3-263	W. TUB AT PIER 4, TOP PIN, E. ELEV.
21		C3-264	" " TOP PIN W. ELEV.
22		C3-265	" " TOP PIN WELDED WASHERS TO HANGER
23/24		C3-266/267	W. TUB AT P4, BOT PIN, BROKEN/BENT WIND SCREEN
25		C3-268	" " W. ELEV
26		C3-269	" " 3/8" PACK RUST ON E. SIDE
27		C3-278	" " E. ELEV
		C3-270	P4 WIND LOCK W. ELEV
28-31		C3-271-274	P4 WIND LOCK, WEST PIN. SIGNS OF MOVEMENT & LIGHT
32-33		C3-275, 276	" " EAST PIN SIGNS OF MOVEMENT
34		C3-277	P4 WIND LOCK BELLEY

332
333

PHOTO LOG	JOB #	BRIDGE: HALE BOGGS	
TranSystems	CAMERA # C3	DATE: 4/3/08	CREW: BKC PGM

DATE	PHOTO #	PHOTO DESCRIPTION
4/3/08	C3-279	E. TUB, PIER 4, BOT PIN W. ELEV
37	C3-280	" " , EAST NUT PACK RUST UP TO 5/8"
38	C3-281	" " E. ELEV
39-41	C3-282-284	" BROKEN WELDS/SCREED/RENT SPANNING
42	C3-285	E. TUB PIER 4, TOP PIN - W. ELEV.
43	C3-286	" " E. ELEV
26	C3-278	EAST ELEV OF PIN NUT AT WEST TUB AT PL
1-4	4/9/08 C3-287-290	// DUSK SHOTS OF BRIDGE FROM WEST
5-10	C3-291-296	// DUSK SHOTS OF NAVIGATION FROM EAST
11-15	C3-297-301	// DUSK SHOTS LOOKING N. FROM EAST SIDE