PRINC	IPAL STAT	Jours
D/RAL	IDE I	-
A/RAL	DRMSP DRMA	
PAO	SCS	
SGA	File	-

DOCUMENTATION TRANSMITTAL

To: Stone & Webster - CIO PO Box 1963 Midland, MI 48640

Transmittal No: CIO- 0041

Date: May 12, 1984

Attention: Ken Butler

The documentation listed below __ is provided herewith, X was previously provided on 5-8-84; as requested by Ken Butler .

Documentation Description: Nonconformance Reports - C-00960 & C-02005-HV

CIO has X has not been placed on routine transmittal for the described documentation.

Jeanne Kinne

CC RJCook, NRC Site (w/a, unless voluminous) JJHarrison, NRC Region III (w/a, unless voluminous) DDJohnson, SMO (w/o) JGKeppler, NRC Region III (w/a, unless voluminous) BHPeck, SMO (w/o) NIReichel, SMO (w/o) RAWells, MPQAD (w/o) CMThompson - File 24.2 (w/a, unless voluminous)

TEO! MAY 30 1984

MI0384-0001A-QL06

8406050314 840512 PDR ADOCK 05000329

EIDLAID PROJECT			17	DATE ISSUED	C-00700	118 REY
DEPARTMENT	NONCONECE	MANGE BE		2-19-83		L &t
			19		uce	294-17-5
	ORIGI	MAL		PAGE _	OF 28	
ITEM LOCATION VARIOUS	PERTAINS TO	ALL SAFET	Y RELATED	IUSTAL	LATIONS	26)4-1
UTILIZING GROU	ITED ANCHORE	BOLTS.				
VARIOUS		ROUTED AND	HOR BOLTS		NIA	AL NO.
TTEM DESCRIPTION SOFE	TY RELATED I	NISTELLOT	MY / ICHI	/ BO/		
		MATHEMATI	ons asing	GROUTE	D	
	ANCHOR BOLTS					*
THE STARTUP STSTEM HO.	TSOO TREFE	RENCE DOCUMENT I	POLI C-1.10 res	114	8 ASE A.N.	I. REQUIRED NO
INSPECTICA RECORD NO.	NIA NIA		IBLE ORGANIZATION		1-20-84 OP-QA-1	IWC A
NONCONFORMANCE DISCOVERED	DURINE:		EIYING D	EDX5T .	RELEASE F	
POST INSPECT	TURNOVER D P	CST TURNOVER	- PRE-GP	TURNOYE	R D on	ELIKSPECT
DEPET DEPTH AND DI	THE CORRECT S	ZE AND TYP	E	CONTINU		2.1.6
HOMEONFORMANCE I) FAILLIR	E DE POUTCIN	TO PEDUN	E CHAIRVIO			OT
NIMUM EMBEDMENT HAS JALITY OF SAFETY RELA	BEEN MET AND	MAINTAINED T	HROUGH INST	ALLATION		
			Jek	Ch Son		72-19-63 DATE
		;				
	CO	NTINUED	MIP	DAD-OF	- MICLIT	
NUMBER OF HOLD TAGS (IF A		21 LOCATION O	NA			
POTENTIAL SO.SS(e)	24 ACTION ITEM NO	26	ITEM PRIORITY C	DDE NO.	ES NES REVIEW	ED BY:
⊠ YES □ NO	504072		2		Sunder!	20-84 San Maryle
REPORTED TO MPCA MANAGER	25 DISCIPLINE:	27	TREND CODE		DATE:	2/1/8/4/2.
DATE 12/20/23	c .		K-9		12/20/83	

TES NO GAR NO. RECOMMENDED DISPOSITION REWORK SCRAP/REJECT REPAIR USE AS IS TE	
REMORK SCRAP/REJECT REPAIR USE AS IS TE	_
See the following pages for additional information, proposed disposition. 23 DISTRIBUTION FOR ACTION	
23 DISTRIBUTION FOR ACTION	
W DISPOS TION CONCURPENCE	
PROJECT FIELD ENGINEER DATE MPGAD CONCURRENCE DATE PFOX	CE (ASHE) C
	E (ASKE) DA
LEAD DESIGN ORE DATE CP Co SMO (for turned over systems) DATE A.M.	.I. (ASVE) DA
25 DISPOSITION ACTION TAKEN	
36 METHOD OF DISPOSITION ACTION YERIFICATION 37 MCR CLO	OSED BY
RESULT OF DISPOSIT: M ACTION VERIFICATION IF UNACCEPTABLE, REFERENCE SUPERCEDING NCR NUMBER	MPQAD DAT
	. (ASKE) DAT

1 1

QUALITY ASSURANCE.
DEPARTMENT

RECORD COPY

PAGE 3 OF \$ \$ 5-1-30 CR 1-70-44

CONTINUE REPORT

LIXE 12 CONTINUED
SPEC 7220-C-SOL P 6.6 REQUIRES " A NUT SHPLL BE THREADED ONTO DUE END OF
EACH ANCHOR BOLT. LOSSENING OF THE NUT SHALL BE PREVENTED BY TACK WELDING
OR BY SPOULUG OF THRE DS. WHEN A-193 OR SA-193 BOLTS ARE USED CALLY
SPOILING OF THREADS IS ALLOWED.
Ju 2/19/83
LOCK 13 CONTINUED
PACI C-1.10 HAS NO REQUIREMENT FOR VERIFYING THE APPLICATION OF THE
NUT TO THE ANCHOR.
POCI CILID PAS NO REQUIREMENT FOR VERIFYING THE PROPER LOCKING OF THE
NUT TO THE PAICHOR.
POCT C-1.10 HOS NO REQUIREMENT ENSURING THAT A-193, SA-193 OR OTHER
ACCEPTARIE WILL STRENGTH BOLTS HAVE NOT REEN TRCK WEIDED.
FAILURE TO PROCEDURALLY REQUIRE VERIFICATION OF THE ABOVE ATTRIBUTES
RENDERS THE CURLITY OF SAFETY RELATED GROUTED TANCHOR BOLTS INDETERMINATE
Eln 12/19/53

NCR #C-00960 REV 0

March 20, 1984

Block 31A: ADDITIONAL INFORMATION:

The disposition provided on NCR #C-00960 is primarily based on the "contention" that Activity 2.1.A.2 of PQCI C-1.10, Revision 14 references the appropriate specification, and section in Column 5 and inspection activity code "I(M)" in Column 6. Activity 2.1.A.2 requires inspecting the hole for correct depth and diameter therefore, objective evidence does not exist indicating that inspectors verified the embedment depth in addition to measuring the depth of the drilled hole.

Based on the above Project Engineering must accept and envision the worst case and specifically address the following with complete justification:

- 1. Would an anchor bolt be acceptable without a nut attached (considering the nut was never attached or vibrated off, etc)?
- 2. Would an anchor bolt be acceptable with a nut:
 - a. not locked to the bolt?
 - b. A-193, SA-193 material tackwelded?

If Project Engineering cannot provide adequate justification for the above points, then a more detailed investigation will be needed to assure compliance with specification requirements (ie documenting proposed disposition, identification of the areas in question and provide a sample loading plan).

3120184

NCR C-00960 REV. \$ 513 4-13-84 APRIL 12, 1984

Block 31A: PROFOSED DISPOSITION

To substantiate the adequacy and completeness of PQCI C-1.10, activities related to the inspection of grouted anchor bolts, the following steps have been caken:

1. A survey was performed by LAQTS Teams on April 10, 1984, to locate and identify grouted anchor bolts without installations. This survey has identified 133 grouted anchor bolts from which 24 bolts will be randomly selected for destructive testing.

The test shall consist of a preliminary survey for detection of the embedded items (rebars) surrounding the anchor bolt and depending on locations either the entire anchor will be cored out, or the affected area will be chipped to inspect and verify the nonconforming items listed on NCR C-00960. A checklist has been prepared for this purpose to be used by the cognizant QC Engineer witnessing the test.

- 2. An interview was held with previous QC Engineers involved with the implementation of PQCI C-1.10 from as early as 1976 to the present. All QC Engineers were consistent in their execution of PQCI C-1:10 activities, reference criteria and compliance of Spec 7220-C-306 requirements concerning the installation of the grouted anchor bolts. The interview results are attached as part of the disposition to NCR C-00960.
- 3. The result of destructive testing and the interviews conducted with past QC Engineers will provide satisfactory resolution of NCR C-00960. Therefore, a "use-as-is" disposition is proposed conditional upon satisfactory completion of destructive testing.

- Henry Paul Nunes - APAES Civil Structural

1.	QCE interviewed Timethy J. Celwett TG 4/11/34
2.	Time QCE involved with PQCI C-1.10 Inspection Process: FROM 1980 TO 1983
3.	The following questionnare is based on the above QCE's observance of the PQCI C-1.10 Inspection Process and his/her best recollection:
	3.1 - Were the holes measured for diameter and depth? YES NO
	3.2 - For the grouted anchor bolt assemblies was the bottom nut attached and locked to the bolt? YES NO
	3.3 - Was the embedment depth measured from the top of the bottom nut to the surface of concrete for anchor bolts and from the bottom of the hole to concrete surface for grouted dowels? YES NO
	3.4 - Were there any instances of high strength bolts, A-193, SA-193 being tackwelded to bottom nut? YES NO
A	opticable ATTributes of the Listed inspection criteria in Block 5
	ationsed
	erview Conducted By: Sam Bokhhari FAE Civil DATE 4/11/84
Dr in	eservity, Paci's Have good intended to List inspection criteria Eleck 4 word for word From spec's to. This was done Previous
-	1953 ALL TORINING THAT WAS conducted stressed The weed
73	in a estimated combined ment kenyths of the locars AND other requirements
	sted in sheek 5 of PGCE.
co	NEWFIVING THE NEW, SECTION 6.5 OF Spec C 306 is Listed in Block 5
	RECI which specifically addresses minimum Embedment of
	e BOLTS, Therefore was inspected by ALL GCE'S implementing
	INC PECT.

NCR C-00960 REV. \$ 513 4-13.84 PAGE 7 OF 16

1.	QCE interviewed GLEN Y. XEISLEY (PALISADES X 265 RM)
2.	Time QCE involved with PQCI C-1.10 Inspection Process: FROM 2/76 TO 6/80
3.	The following questionnare is based on the above QCE's observance of the PQCI C-1.10 Inspection Process and his/her best recollection:
	3.1 - Were the holes measured for diameter and depth? YES / NO
	3.2 - For the grouted anchor bolt assemblies was the bottom nut attached and locked to the bolt? YES NO
	3.3 - Was the embedment depth measured from the top of the bottom nut to the surface of concrete for anchor bolts and from the bottom of the hole to concrete surface for grouted dowels? YES NO
	3.4 - Were there any instances of high strength bolts, A-193, SA-193 being tackwelded to bottom nut? YES NO
RE	MARKS Glen indicated that for locking the hottom not to the
_0	nchor holt; the threads were spoiled regardless of strength
_ 4	of the holts.
	terview Conducted By: San Boldtin PAE civil DATE 4/11/84

1	QCE interviewed Rodiney Bennett Are 75 NOV. 82
**	
2.	Time QCE involved with PQCI C-1.10 Inspection Process: FROM TO
3.	The following questionnare is based on the above QCE's observance of the PQCI C-1.10 Inspection Process and his/her best recollection:
	3.1 - Were the holes measured for diameter and depth? YES \ NO
	3.2 - For the grouted anchor bolt assemblies was the bottom nut attached and locked to the bolt? YES NO
	3.3 - Was the embedment depth measured from the top of the bottom nut to the surface of concrete for anchor bolts and from the bottom of the hole to concrete surface for grouted dowels? YES NO
	3.4 - Were there any instances of high strength bolts, A-193, SA-193 being tackwelded to bottom nut? YES NO UNKNOWN
	MARKS & if The DRAWINGS A CALLED FOR The NUT
REN	MARKS X if The DRAWING & CALLED FOR THE NUT
-	& Test welded Their were it They Did NOT
	The The party
Res	quine it They werent. I inspected Top Requireme
-	the state of the s
Int	terview Conducted By: Sam Bachtian PAE civil DATE 4/11/84

NCR C-00960 REV. 3 4-13-84 PAGE 9 OF 16

GROUTED ANCHOR BOLTS/DOWELS PAST INSPECTION PROCESS INTERVIEW PQCI C-1.10 REV 0-14

	1.	QCE interviewed EMILY WALKER EQU 4/19/84
	2.	Time QCE involved with PQCI C-1.10 Inspection Process: FROM 10 22 TO 4/84
	3.	The following questionnare is based on the above QCE's observance of the PQCI C-1.10 Inspection Process and his/her best recollection:
		3.1 - Were the holes measured for diameter and depth? YES NO
		3.2 - For the grouted anchor bolt assemblies was the bottom nut attached and locked to the bolt? YES NO
		3.3 - Was the embedment depth measured from the top of the bottom nut to the surface of concrete for anchor bolts and from the bottom of the hole to concrete surface for grouted dowels? YES NO
		3.4 - Were there any instances of high strength bolts, A-193, SA-193 being tackwelded to bottom nut? YES NO
	REM	ARKS 3.1-3.4 INSPECTION OF GROUTED ANCHOR BOLTS IN-
	CL	UDED SPEC. REQUIREMENTS EFFECTIVE AT THE TIME
OF		E INSPECTION.
		H. THERE WAS AN AGREEMENT BETWEEN CONSTRUCTION
	ANTH	AD G.C. THAT ALL ANCHOR BOLTS WOULD HAVE SPOILED READS VERSUS TACK-WELDING.

Interview Conducted By: Sam Bouttian PAE CIVIL DATE 4/10/84

1.	QCE interviewed MICHAEL STARK MS 4/10/84
2.	Time QCE involved with PQCI C-1.10 Inspection Process: FROM 6/20 TO PRESENT
3.	The following questionnare is based on the above QCE's observance of the PQCI C-1.10 Inspection Process and his/her best recollection:
	3.1 - Were the holes measured for diameter and depth? YES V NO
	3.2 - For the grouted anchor bolt assemblies was the bottom nut attached and locked to the bolt? YES NO
	3.3 - Was the embedment depth measured from the top of the bottom nut to the surface of concrete for anchor bolts and from the bottom of the hole to concrete surface for grouted dowels? YES NO
	3.4 - Were there any instances of high strength bolts, A-193, SA-193 being tackwelded to bottom nut? YES NO
REM	ARKS
	AND
Int	erview Conducted By: Som Boldtian, PAE CIVIL DATE 4/10/84

NCR C-00960 REV. 3 584-13-84 PAGE 11 0F 16

. QCE	interviewed _	KENNETH LOWTHER	KU	4/10/84
. Time	QCE involved	with PQCI C-1.10 Ins	pection Process: I	FROM 9/83 TO 4/84
. The	following que C-1.10 Inspe	stionnare is based on ction Process and his	the above QCE's ob her best recollect	oservance of the
3.1	- Were the ho	les measured for diam	eter and depth? Y	ES V NO
3.2		nuted anchor bolt asserthe bolt? YE3		tom nut attached and
3.3	the surface	edment depth measured of concrete for anch acrete surface for gro	or bolts and from	the bottom of the
3.4		any instances of high velded to bottom nut?		
REMARKS				
Intervi	ew Conducted B	By: Sam Bonti	ari PAE CIVIL	DATE 4 10

NCR C-00960 REV. 8 PAGE 12 OF 16

GROUTED ANCHOR BOLTS/DOWELS PAST INSPECTION PROCESS INTERVIEW PQCI C-1.10 REV 0-14

SB 4/10/84

2.	QCE interviewed JEFF KO BY TELEPHONE X 3472 AND ARB Time QCE involved with PQCI C-1.10 Inspection Process: FROM Z/82TO 12/82
3.	The following questionnare is based on the above QCE's observance of the PQCI C-1.10 Inspection Process and his/her best recollection:
	3.1 - Were the holes measured for diameter and depth? YES NO 3.2 - For the grouted anchor bolt assemblies was the bottom nut attached and locked to the bolt? YES NO
	3.3 - Was the embedment depth measured from the top of the bottom nut to the surface of concrete for anchor bolts and from the bottom of the hole to concrete surface for grouted dowels? YES NO
	3.4 - Were there any instances of high strength bolts, A-193, SA-193 being tackwelded to bottom nut? YES NO
REM	ARKS
Int	erview Conducted By: Sam Bakhtiari gAE Civil DATE 4/10/84

NCR C-00960 REV. 3 PAGE 13 OF 16

1.	QCE interviewed C.M. PAYLEDES Poully 4/10/84
2.	Time QCE involved with PQCI C-1.10 Inspection Process: FROM JAN. 1779 MAY-1964
3.	The following questionnare is based on the above QCE's observance of the PQCI C-1.10 Inspection Process and his/her best recollection:
	3.1 - Were the holes measured for diameter and depth? YES V NO
	3.2 - For the grouted anchor bolt assemblies was the bottom nut attached and locked to the bolt? YES NO
	3.3 - Was the embedment depth measured from the top of the bottom nut to the surface of concrete for anchor bolts and from the bottom of the hole to concrete surface for grouted dowels? YES NO
	3.4 - Were there any instances of high strength bolts, A-193, SA-193 being tackwelded to bottom nut? YES NO NO RECOLLECTION
REMA	ARKS
Inte	erview Conducted By: Sam Balitiali PAE CIVIL DATE 4/10/84

NCR C-00960 REV. \$ PAGE 14 OF 16

IEM	being tackwelded to bottom nut? YES NOV
	3.3 - Was the embedment depth measured from the top of the bottom nut to the surface of concrete for anchor bolts and from the bottom of the hole to concrete surface for grouted dowels? YES V NO 3.4 - Were there any instances of high strength bolts, A-193, SA-193
	3.2 - For the grouted anchor bolt assemblies was the bottom nut attached and locked to the bolt? YES V NO
	3.1 - Were the holes measured for diameter and depth? YES V NO
1.	The following questionnare is based on the above QCE's observance of the PQCI C-1.10 Inspection Process and his/her best recollection:
	Time QCE involved with PQCI C-1.10 Inspection Process: FROM 5.81 TO 12.80

NCR C-00960 Rev. & Page 14 0F 16

1.	QCE interviewed STEWART KIRKER \$4/13/84
2.	Time QCE involved with PQCI C-1.10 Inspection Process: FROM 10/76 TO 10/83
3.	The following questionnare is based on the above QCE's observance of the PQCI C-1.10 Inspection Process and his/her best recollection:
	3.1 - Were the holes measured for diameter and depth? YES X NO
	3.2 - For the grouted anchor bolt assemblies was the bottom nut attached and locked to the bolt? YES NO
	3.3 - Was the embedment depth measured from the top of the bottom nut to the surface of concrete for anchor bolts and from the bottom of the hole to concrete surface for grouted dowels? YES NO
	3.4 - Were there any instances of high strength bolts, A-193, SA-193 being tackwelded to bottom nut? YES NO
REM	ARKS THE INTENT OF THE WORDING & THE OCE TRAINING
9	YURRI WAS TO ASSURE THAT THESE ITEMS WERE
	TRIFIED UNLESS SUPERCEDED BY DESIGN DUGS.
	erview Conducted By: Cam Bakktiani DATE 4/13/84

NCR C-00960 Rev. 3 PAGE 16 OF 16

	1.	QCE interviewed	Steve Gelnett	59 4/13/84	
	2.			Process: FROM 9/76 TO 3/81	
	3.		ionnare is based on the aboution Process and his/her best		
		3.1 - Were the holes	s measured for diameter and	depth? YES V NO	
			ed anchor bolt assemblies was bolt? YES NO	as the bottom nut attached and	
		the surface of	ment depth measured from the f concrete for anchor bolts ete surface for grouted down	and from the bottom of the	
		- CONTROL - CONT	y instances of high strength ded to bottom nut? YES	h bolts, A-193, SA-193	
	REMA	ARRS OActivity des	explicas on the IR	were always an abrevia	tod
	Lev	sign of the QC	I, Inspection Critoria	listed in the GCI spella	V
(out	the items) to	s be ventied and 7	their unique acceptan	ce
(terial,	Sam. Balltian	PAE CIVIC DATE 4/13/	Fu
	7/1	12 IR's were no	it intended to stand	on their own. They	1
	ML	ist be usedin	eviewed in conjunc	on their own. They tion with the QCI and	th
	90	overning Specif	Fications (design criter	via). The above lister	-0
				by GCE's, because	
,		are they wer	reinthe inspection	chiteria specifieds	
-	10	the govern	ing specification.		
(3	A review of	centification train	vince files, for OCE's	
	9	performing these	e venifications, we	wing files, for OCE's wind substaction to that	
	4	lese attribute i	were required to	be venified prior	
	4,	anouting.			

MILIAND PROJECT QUALITY ASSESSADOR DEPARTMENT

NONCONFORMANCE REPORT

16 ECR 10. 17 MIT (\$300) IS MY 3-26-84 0 19

PAGE / OF 4

ODIGINAL

	RIGI	I A MAR			
ITEM LOCATION		111	1-11		
WX = 2 ELEV. 649-1	1 2-10	F"SOFB	25-8 WO	F6,9	
THE CHANGE PART NO.		I ITEM PART HAS			4. ITEN SERIAL MG.
2-604-16-11 A		7-604-16-11	25" SHCC - 65	-411	N/A
ITEN DESCRIPTION					
LARGE BORE U-	BLT SUI	PART			
ITEM STARTUP STSTER IN.		/ NEFERENCE DOC	STORT		& ASSE A.J.I. MOUTED
286A	STREET, SQUARE, SQUARE	POCT P2,30 B	MESPONSIBLE ORGANIZ	1177	TES 12 10
DESPECTION RECORD NO.			ONST.	BCH	Co 63.9
230-2-604-16-11	045526	☐ DEZIEN	RECEIVING	C coast	C RELEASE FOR DESPET
		POST TURNO			ER OYERIESPECT
	TURNOYER				
1) DOOF 02.30 A 3	4.3 C/G-2	7, UT-ASME-	NF 5.1) PORO	SITY WITH	MAJOR -
ITALL FOISE BY	MENSIDA	15 OF 1/16'	OR LESS AR	E ACCEPT	ABLE,
10000 00 70 4 00	. 10.00	HEDIEV SIZE	MATERIALTY	DE AND OUA	NTITY OF ALL
a) PACI P2:30 A 3:9	1 (00001)	MATERIAL	MAIERIALI	PE, 1700 Q-H	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	BOLING	MAIENTL			
		SEE	CONTINUATION	SHEET	
3 NONCORFORMANCE				,	"
) ITEM 2-3 WEL	WORTH A	EAST CORNI	= P HAS POR	OSITY TIE	
1 11-7			No No	ENT LAC AL	CAILABLE
MATERIAL TYPE I	MATTA	WATE DECA	M-79 Q	1 3-28-84	
TOR GRINNEL	L MIHIER	IAL. O DO	DUE TO TO		AT (15750M)
MATERIAL TYPE	INDETE	RMINATE	DUE 10 14	ICR CRIGINATED	
NO METHAD OF	TRACING	3 CODES O		Minton	THE PERSON NAMED IN COLUMN 2 IS NOT THE OWNER, THE OWNE
BOLTING MATER	IAL TOA	MATERIA	1516		DATE
AND GRADE, C				MCK CKIRTHWIST	BY (DISCIPLINE)
H-1715 M-79				MPRA	PLAC MECH
	TINUATION				
TARES (IF		21 LOC	ATTON OF HOLD TAGS		
1			N SUPPORT		
Z POTENTIAL SO.SS(e)	24 ACTION	FTTDs ac	26 TEN PRIOR	TTY CODE NO.	28 MCR REVIEWED ST:
	24 W.110	1164 1164		,	11 111
		S05665	5		Mark Alexander
1		-	Z7 TREND CODE		DATE:
S REPORTED TO MPGA MANAGED					3/29/84
DATE NA	ha	4	DALT		2/0//01

DNT

PROCESS CORRECTIVE ACTION TES NO GAR NO	
	IZ COMDITIONAL RELEASE
A ACDITIONAL INFORMATION	
DISTRIBUTION FOR ACTION	
GISPOSITION CONCURRENCE	
PROJECT FIELD ENGINEER DATE NPOAD CONCURRENCE DATE	PRICE (ASME) DATE PORE (ASME) DATE
LEAD DESIGN ORS . DATE CP Co SNO (for termed over systems)	GATE A.H.I. (ASSE) GATE
S DISPOSITION ACTION TAKEN	
METHOD OF DISPOSITION ACTION VERIFICATION	37 MCR CLOSED SY
MESULI OF DISPOSITION ACTION VERIFICATION IF UNACCEPTABLE, REFERENCE SUPERCEDING NCR HUNGER	HPQAB DATE
	A.H.I. (ASPE) CATE

...

MIDIAND PROJECT QUALITY ASSURANCE DEPARTMENT

ORIGINAL

NONCOMPORNANCE REPORT

CONTINUATION SHEET

NCR NO. C-02005-HV	
DATE ISSUED 3-26-84	REV
3-26-84 PAGE 3 OF 4	1 0

ENTINUED FROM PAGE 1
2 - REQUIREMENT
3) POCT P.J.30 B.3.10.1 (M-3.26 5.16.1) VERIFY THE SUPPORT MEMBERS ARE FREE FROM
DAMAGE SUCH AS SURFACE DEPRESSIONS OR EMPERFECTIONS SHALL BE FREE OF
CRACKS AND SHALL NOT IN PRINCE UPON THE MIN. MAT. I THICK! (B) TO "-THICK ?"-2"
4) HACI PJ.30 & 3.12.15 (C-305 4.8) VERIFY THE MAXIMUM THEERD ENGAGEMENT LENGTH
OF THE EXPANSION ANCHOR IS AT LEAST & SHORTER THAN THE MANUFACTURER'S
SPECIFIED THREAD LENGTH TO ENSURE THAT THE NUT IS NOT BOTTOMED OUT.
5) PORT P2130 B 3.181.3 - UIT. REPORTS
3 NONCONFORMANCE
3) SOUTH EAST ANCHOR BOLT HAS > TO GOUGE MARK,
4) BOLTS AFFERED TO HAVE BEEN CUT, BETOND THE CHAMFERED ENDS.
MAKING THIS ACTIVITY INDETERMINATE, OR GRINDED MIN STAY
5) U.T. REPORT NUMBERS 11842 AND 130582 HAVE DIFFERENT THEKNESS
RECORDED ON THE THU REPORTS. UT REPORT \$ 130587 CALLS FOR
SOUTH WEST ANCHOR BOLT TO BE 63" LONG, ATTACH. TPAGE!
DOES NOT I DENTIFY ANY 3" ANCHOR BOLTS TO BETHAT LENGTH

