

A

B

C

D

E

F

AMPHENOL PART NUMBER CONFIGURATION:

U65 - X XX - X X 7 XXX

INFINITY
RECEPTACLE

STYLE

B = R/A SMT, 2 LOCATION
AND 4 SOLDERING POSTS
E = R/A SMT, 2 LOCATION
AND 4 SCREW MOUNT HOLES

CONNECTOR TYPE

04 = 4X
12 = 12X

PLATING

1 = 50 μ " GOLD
2 = 30 μ " GOLD
3 = GOLD FLASH OVER
PALLADIUM-NICKEL (LEAD FREE)
4 = 50 μ " GOLD (RoHS COMPLIANT)
5 = 30 μ " GOLD (RoHS COMPLIANT)
B = 50 μ " GOLD (RoHS COMPLIANT)
C = 30 μ " GOLD (RoHS COMPLIANT)

OPTION

0 = 2 PIECE LOCKING PLATE (SHIPPED LOOSE)
1 = ONE PIECE LOCKING PLATE (SHIPPED LOOSE)
2 = NO LOCKING PLATE

PACKAGING/SPECIAL

NO DIGIT = TRAY PACKAGING
NO REAR COVER
C = TRAY PACKAGING
WITH REAR COVER (SHIPPED LOOSE)
T = TAPE & REEL PACKAGING
NO REAR COVER
CT = TAPE & REEL PACKAGING
WITH REAR COVER (SHIPPED LOOSE)

KEYING OPTION

0 = NO KEYING (STD)

MOUNTING STYLE

LANYARD LATCH (WITH TOP MOUNTING EAR)

REVISIONS				
SYM	ZONE	ECN, ERN NO.	DATE	APPRD.
C		PROPOSAL	APR16/10	Z.L.

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1. MATERIAL:

PLASTIC HOUSING:

HIGH TEMPERATURE RESISTANT NYLON, FLAMMABILITY RATING UL94V-0.

CONTACTS:

PHOSPHOR BRONZE

PLATING OPTION 1 OR 2 (50 μ " OR 30 μ " GOLD): 50 μ " [1.27 μ m] OR 30 μ " [0.76 μ m] MIN. GOLD OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT MATING SURFACES. 150 μ " [3.81 μ m] MIN. TIN-LEAD (90/10) OVER 50 μ " [1.27 μ m] NICKEL ON CONTACT TAILS.

PLATING OPTION 3 (GOLD FLASH OVER PALLADIUM-NICKEL): 2 μ " [0.05 μ m] MIN. GOLD OVER 25 μ " [0.635 μ m] MIN.

PALLADIUM-NICKEL ON CONTACT MATING SURFACES. 0.3 μ " [0.007 μ m] MIN. GOLD OVER 1.2 μ " [0.03 μ m] MIN.

PALLADIUM-NICKEL ON CONTACT TAILS. 50 μ " [1.27 μ m] MIN. NICKEL UNDER PLATING.

PLATING OPTION 4 OR 5 (RoHS) (50 μ " OR 30 μ " GOLD): 50 μ " [1.27 μ m] OR 30 μ " [0.76 μ m] MIN. GOLD OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT MATING SURFACES. 2 μ " [0.05 μ m] MIN. GOLD OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT TAILS.

PLATING OPTION B OR C (RoHS) (50 μ " OR 30 μ " GOLD): 50 μ " [1.27 μ m] OR 30 μ " [0.76 μ m] MIN. GOLD OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT MATING SURFACES. 100-150 μ " [2.54-3.81 μ m] MATTE TIN OVER 50 μ " [1.27 μ m] MIN. NICKEL ON CONTACT TAILS.

METAL SHELL: DIE CASTING ALLOY

PLATING: 100 μ " [2.54 μ m] MIN. NICKEL OVER COPPER UNDER LAYER

GASKET: STAINLESS STEEL

LOCKING PLATE: STAINLESS STEEL

2. TEMPERATURE RANGE:

-40°C TO +85°C

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DRAWN	L.DENG	DATE	2005/01/07	Amphenol Canada Corp.	
DESIGNED					
CHECKED	J.SI	DATE	2005/01/07		
I. E. APPRD.					
Q. A. APPRD.				TITLE INFINITY 4X/12X RECEPTACLE, LANYARD LATCH FIXED BOARD, RIGHT ANGLE SMT WITH TOP MOUNTING EAR	
DWG. APPRD.					
ENG. REL. NO.		DWG	DRAWING NO.		REV.
REF. EAR# 12571/12614		A	P-U65-XXX-XX7XXX		C
DIMENSIONS ARE IN INCHES [mm]	CODE ID. NO. 03554	SCALE	2/1	WT. -----	SURF. -----
					SHEET 1 OF 4

A

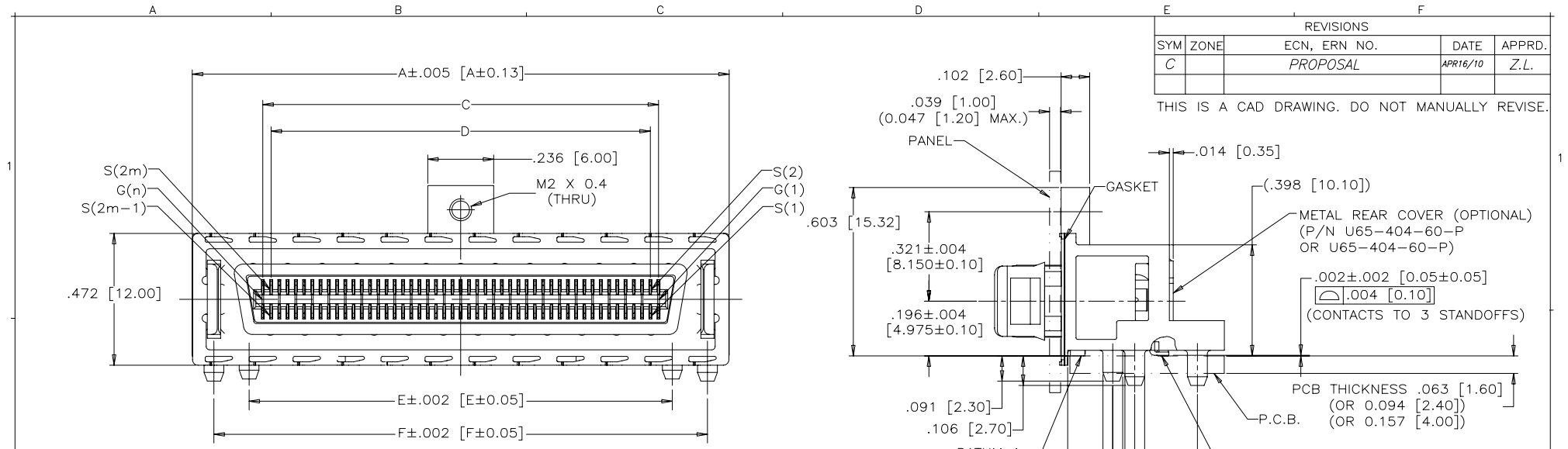
B

C

D

E

F



REVISIONS				
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C		PROPOSAL	APR16/10	Z.L.

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U65-BXX-XX7XXX
(LOCK PLATE REMOVED)

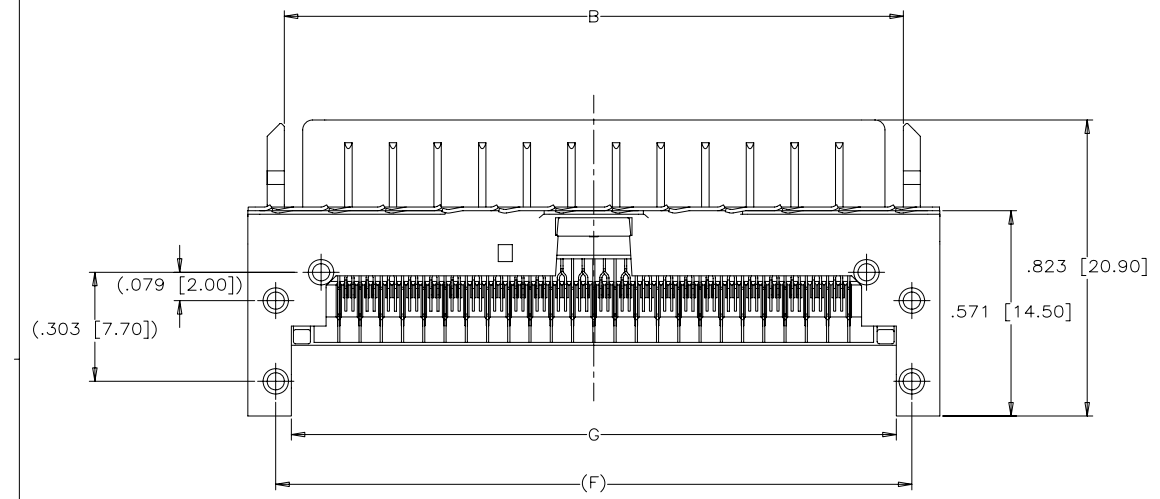
PANEL
GASKET
METAL REAR COVER (OPTIONAL)
(P/N U65-404-60-P OR U65-404-60-P)
PCB THICKNESS .063 [1.60]
(OR 0.094 [2.40] OR 0.157 [4.00])
P.C.B.
CONTACTS TO 3 STANDOFFS
DATUM A (FRONT STANDOFF)
DATUM B AND C (REAR STANDOFFS)
Ø.071±.001 [1.80±0.10]
Ø.071±.004 [1.80±0.10] TYP.

U65-BXX-XX7XXX
(SOLDER POST)

DIMENSION TABLE:

PART NUMBER	U65-X04-XX7XXX	U65-X12-XX7XXX
A	.978 [24.85]	1.923 [48.85]
B	.776 [19.70]	1.720 [43.70]
C	.472 [12.00]	1.417 [36.00]
D	.413 [10.50]	1.358 [34.50]
E	.571 [14.50]	1.516 [38.50]
F	.823 [20.90]	1.768 [44.90]
G	.736 [18.70]	1.681 [42.70]
H	.894 [22.70]	1.839 [46.70]
K	.776 [19.70]	1.720 [43.70]
m	m = 1 - 8	m = 1 - 24
n	n = 1 - 9	n = 1 - 25

** REFER TO [mm] AS PRIMARY DIMENSIONS.



U65-BXX-XX7XXX
(LOCK PLATE REMOVED)

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I. E. APPRD.			
Q. A. APPRD.			
DWG. APPRD.			
ENG. REL. NO.			
REF.	EAR# 12571/12614		
DIMENSIONS ARE IN	INCHES [mm]	CODE ID. NO.	03554

Amphenol Canada Corp.

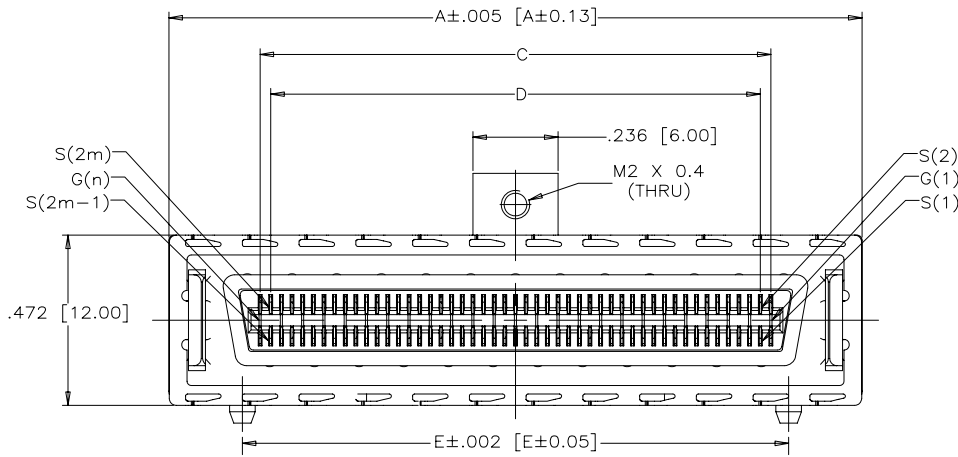
TITLE INFINITY 4X/12X RECEPTACLE, LANYARD LATCH
FIXED BOARD, RIGHT ANGLE SMT
WITH TOP MOUNTING EAR

DWG	A	DRAWING NO.	P-U65-XXX-XX7XXX	REV.	C
SCALE	2/1	WT.	-----	SURF.	-----
			SHEET 2	OF 4	

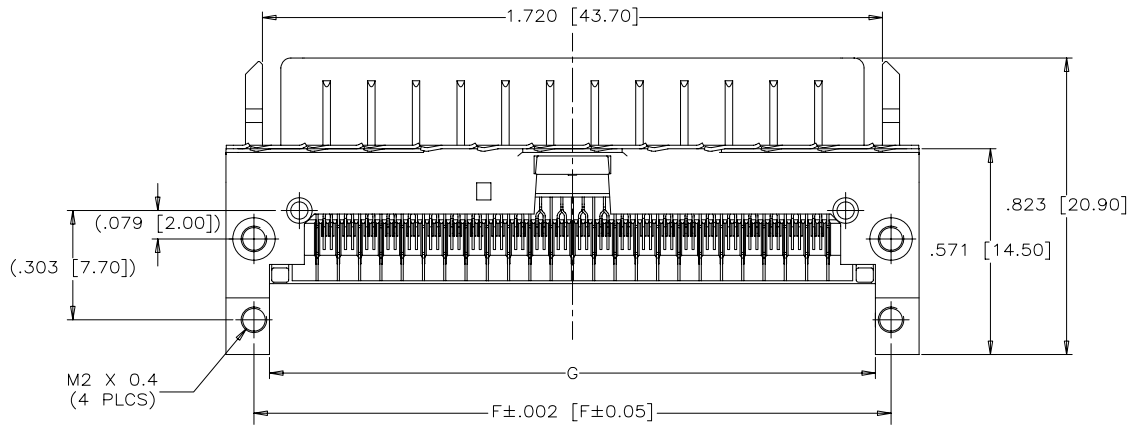
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REVISIONS			
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C		PROPOSAL	APR16/10
			Z.L.

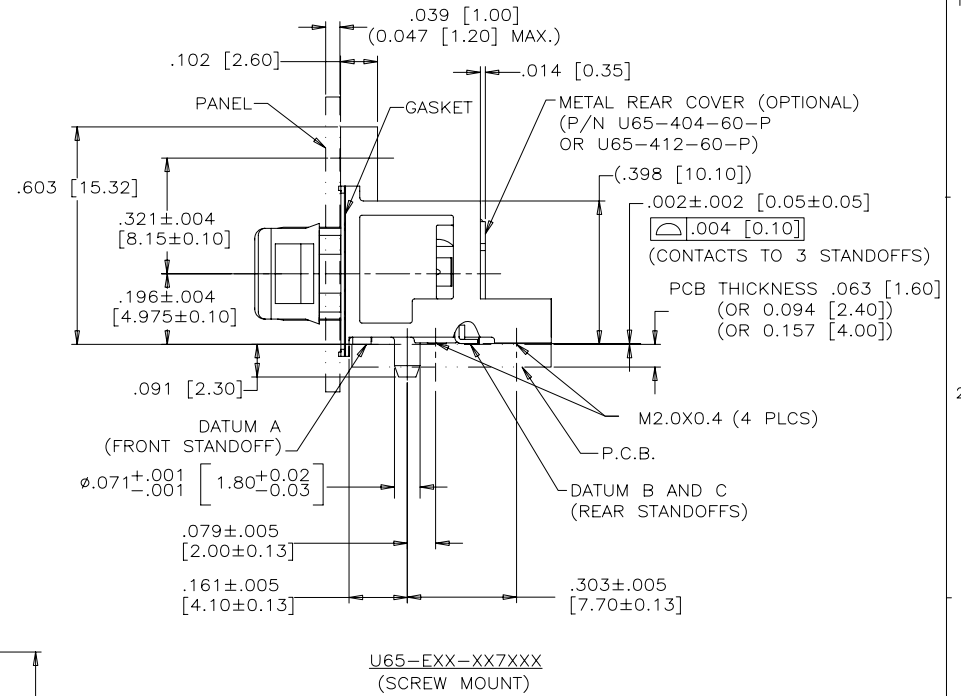
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U65-EXX-XX7XXX
(LOCK PLATE REMOVED)



U65-EXX-XX7XXX
(LOCK PLATE REMOVED)



U65-EXX-XX7XXX
(SCREW MOUNT)

** REFER TO [mm] AS PRIMARY DIMENSIONS.

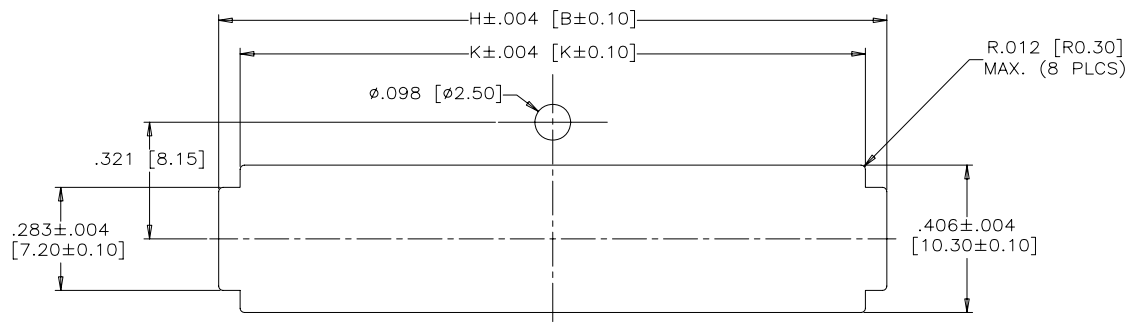
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Q. A. APPRD.			
DWG. APPRD.			
ENG. REL. NO.			
REF.	EAR# 12571/12614		
DIMENSIONS ARE IN	CODE ID. NO.		
INCHES [mm]	03554		

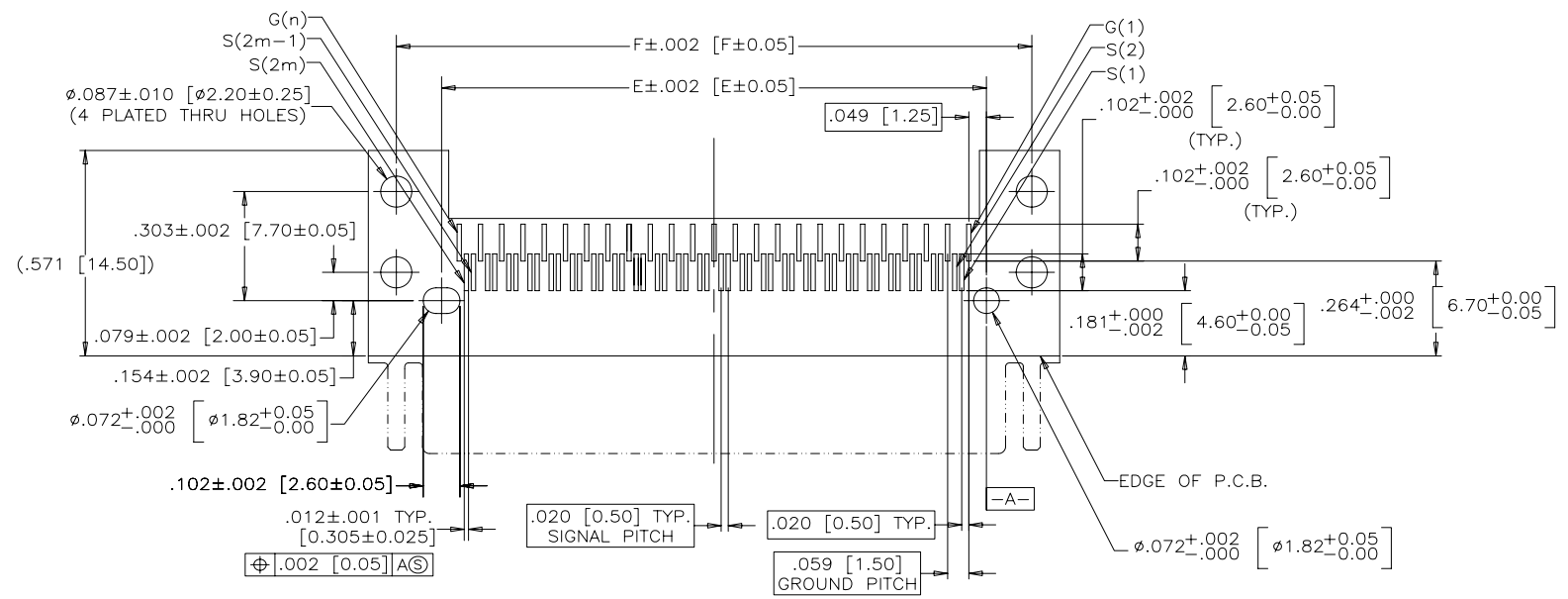
Amphenol Canada Corp.			
TITLE INFINITY 4X/12X RECEPTACLE, LANYARD LATCH FIXED BOARD, RIGHT ANGLE SMT WITH TOP MOUNTING EAR			
DWG	DRAWING NO.	REV.	
A	P-U65-XXX-XX7XXX	C	
SCALE	2/1	WT.	
		SURF.	
		SHEET	3 OF 4

REVISIONS				
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C		PROPOSAL	APR16/10	Z.L.

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RECOMMENDED PANEL CUTOUT



RECOMMENDED P.C.B. LAYOUT
(COMPONENTS SIDE OF BOARD)

** REFER TO [mm] AS PRIMARY DIMENSIONS.

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DESIGNED					
CHECKED	J.SI	DATE	2005/01/07		
I. E. APPRD.					
Q. A. APPRD.					
DWG. APPRD.				DWG	DRAWING NO.
ENG. REL. NO.				A	P-U65-XXX-XX7XXX
REF.	EAR# 12571/12614				REV.
DIMENSIONS ARE IN	CODE ID. NO				C
INCHES [mm]	03554			SCALE	2/1
				WT.	-----
				SURF.	-----
				SHEET	4 OF 4

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