



STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
16 STATE HOUSE STATION
AUGUSTA, MAINE 04333-0016

Paul R. LePage
GOVERNOR

David Bernhardt
COMMISSIONER

July 7, 2011
Subject: **Portland Marine Terminal**
Federal Project No: DTMA1G10006/TIGER
State PIN: 017820.00
Amendment No. 3

Dear Sir/Ms:

Make the following changes to the Bid Documents:

In the Bid Book (pages 6 thru 17) **REMOVE** the "SCHEDULE OF ITEMS" 12 pages dated 110610 and **REPLACE** with the attached new "SCHEDULE OF ITEMS" 12 pages dated 110707.

In the Bid Book (page 254) Specification Section 07 41 13, article "2.03 UNDERLAYMENT MATERIALS", **CHANGE** the specified underlayment under "1. Available Products:" from "Grace Ice and Water Shield." To read "**"Grace Ultra" high temperature resistant roofing underlayment for use under metal roofs or approved equal.**" Make this change in pen and ink.

CLARIFICATIONS:

1. Item 202.2111, Removing, Storing, and Resetting Objects, no longer includes removing, storing, and resetting the large steel anchor. The anchor has been permanently removed from the site and is no longer included in this Pay Item.
2. Item 202.01, Removing Obstructions, no longer includes removal of 18 concrete planter boxes, but rather, only one concrete planter box remains on site and shall be removed as part of this Pay Item.

The following questions have been received:

Question: The panels you are calling for in the specs are all snap lock panels which require a minimum pitch of 3:12 which you do not have on this project. The appropriate panel for this application would be the 1 ½" High 16" wide, Double Lock system. This system is mechanically seamed and can be installed down to a 1:12 pitch. This system can also be rolled on site, so that the panel will be one continuous length from cave to ridge which will eliminate any horizontal seams.



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Response: Please see attachment #1 (2 pages).

Question: Warranty 1.10 line item 3. There is no paint company out there that will issue a warranty under those conditions.

Response: Please see attachment #1 (2 pages).

Question: Section 07 42 13 2.03 calls for #15 felt underlayment but the wall assembly W1 on A.A5 lists no such underlayment. Is it required? If so, where is it to be installed?

Response: The wall assembly description "W1" on sheet A.A5 is correct. The #15 felt underlayment listed in Spec section 07 42 13, article 2.03 is not required.

Question: Section 07 42 13 2.04 B1 calls for a Berridge FW-12 profile which is a flush profile for wall & soffit panels but the plans on details such as 1, 3, 4, & 5 on A.A6 call for an HR-16 which is corrugated for wall panels and the Vee panel for the soffit. Please clarify which profiles are required.

Response: This question was addressed in RFI #09, and is repeated here: The details are correct. The siding is to be Berridge HR-16 panels or approved equal. The soffit panels are to be Berridge Vee-Panel or approved equal.

Question: Metal siding and walls are galvanized metal finish. Manufacturer will not provide warranty in ocean environment. Please advise as we will not be able to meet this specification requirement.

Response: The metal wall and roof panels are specified to be 24 Ga galvanized coil stock with a factory applied fluoropolymer finish. Upon further review, it is now understood that a 20 year finish warrantee for a project in a marine environment may not be available in the industry. Roof panels provided for this project must strictly adhere to the finish requirements of the spec requiring galvanized metal coated with a fluoropolymer finish. Bidders shall provide the best available finish warrantee that would apply to this project for the material submitted.

Question: Section 07 41 13 2.03 does not call out for high temperature ice and water shield under the metal roofing. Please advise.

Response: Specification Section 07 41 13, article 2.03 Underlayment Materials, the specified underlayment is revised to be "Grace Ultra" high temperature resistant roofing underlayment for use under metal roofs by W.R. Grace & Co. or approved equal.

Question: Regarding the building concrete, there are three “Entry Slabs” detailed as 3/A.54. Do these small entry slabs require the calcium nitrate corrosion inhibitor to be added to the concrete? Reference Specification 03 30 00 Cast In Place Concrete, page 19 – paragraph 2.05 C 3f

Response: Entry slabs to the office building do not require calcium nitrate corrosion inhibitor.

Question: Sheet C5 Note 2 states we need to coordinate the CCTV work with Galaxy Integrated Technologies. Am I correct in assuming the contractor does not carry the cost for the relocations?

Response: Correct. The Contractor shall not carry the cost for relocating the CCTV work. This work will be performed by Galaxy Integrated Technologies under separate contract. It is, however, the Contractor's responsibility to coordinate and schedule the relocation of said components with Galaxy Integrated throughout the project.

Consider these changes and information prior to submitting your bid on July 13, 2011.

Sincerely,



Scott Bickford
Contracts & Specifications Engineer

SCHEDULE OF ITEMS

REVISED:

CONTRACT ID: 017820.00

PROJECT(S): DTMA1G10006 / TIGER+S

CONTRACTOR : _____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
SECTION 0001 PROJECT ITEMS (BASIS OF AWARD)						
0010	201.23 REMOVING SINGLE TREE TOP ONLY	14.000 EA				
0020	202.01 REMOVING STRUCTURES AND OBSTRUCTIONS	LUMP	LUMP			
0030	202.078 REMOVING ASBESTOS CONTAINING MATERIAL	LUMP	LUMP			
0040	202.08 REMOVING BUILDING NO.: IMT BLD.	LUMP	LUMP			
0050	202.08 REMOVING BUILDING NO.: PORT OFFICE TRAILER	LUMP	LUMP			
0060	202.08 REMOVING BUILDING NO.: TRUCK INSPECTION TRAILER	LUMP	LUMP			
0070	202.08 REMOVING BUILDING NO.: US CUSTOMS BLD.	LUMP	LUMP			
0080	202.1221 REMOVE ABANDONED CONCRETE FOUNDATION FOUNDATION	LUMP	LUMP			
0090	202.1241 REMOVING CONCRETE SLAB MAINTENANCE BLD.	LUMP	LUMP			
0100	202.15 REMOVING MANHOLE OR CATCH BASIN	14.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0110	202.203 PAVEMENT BUTT JOINTS	450.000 SY				
0120	202.2111 REMOVING, STORING, AND RESETTING OBJECTS	1.000 EA				
0130	202.4011 REMOVING EMBEDDED TIMBER PILE	5.000 EA				
0140	203.20 COMMON EXCAVATION	5450.000 CY				
0150	203.24 COMMON BORROW	50.000 CY				
0160	206.085 STRUCTURAL EARTH EXCAVATION - WATERFRONT	120.000 CY				
0170	304.104 AGGREGATE SUBBASE COURSE (PLAN QUANTITY)	8050.000 CY				
0180	403.207 HOT MIX ASPHALT 19.0 MM HMA	5450.000 T				
0190	403.208 HOT MIX ASPHALT 12.5 MM HMA SURFACE	3750.000 T				
0200	409.15 BITUMINOUS TACK COAT - APPLIED	1100.000 G				
0210	419.30 SAW CUTTING BITUMINOUS PAVEMENT	810.000 LF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0220	501.231 DYNAMIC LOADING TEST	3.000 EA				
0230	501.70 STEEL PIPE PILES, DELIVERED 16" DIA	3816.000 LF				
0240	501.701 STEEL PIPE PILES, IN PLACE 16" DIA.	3708.000 LF				
0250	501.90 PILE TIPS	36.000 EA				
0260	501.91 PILE SPLICES	9.000 EA				
0270	501.92 PILE DRIVING EQUIPMENT MOBILIZATION	LUMP	LUMP			
0280	502.235 STRUCTURAL CONCRETE, PIER PILE CAP & EDGE BEAM	140.000 CY				
0290	502.411 STRUCTURAL CONCRETE, PIER DECK SLAB	145.000 CY				
0300	502.45 STRUCTURAL CONCRETE APPROACH SLABS PIER APPROACH	65.000 CY				
0310	502.491 STRUCTURAL CONCRETE, PIER CURB	5.000 CY				
0320	502.601 STRUCTURAL CONCRETE, TRANSFORMER FOUNDATION	LUMP	LUMP			

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0330	502.602 STRUCTURAL CONCRETE, GENERATOR SLAB	LUMP	LUMP			
0340	502.603 STRUCTURAL CONCRETE, CONDENSER PAD	LUMP	LUMP			
0350	502.604 STRUCTURAL CONCRETE, MAINTENANCE BLD. SLAB	LUMP	LUMP			
0360	503.14 EPOXY-COATED REINFORCING STEEL, FABRICATED AND DELIVERED	72000.000 LB				
0370	503.15 EPOXY-COATED REINFORCING STEEL, PLACING	72000.000 LB				
0380	504.810 STRUCTURAL STEEL ERECTION FOR MODIFICATIONS	LUMP	LUMP			
0390	504.8210 STEEL REEFER UNIT FRAMES & INSTALLATION	LUMP	LUMP			
0400	506.9106 FUSION BONDED EPOXY COATING	LUMP	LUMP			
0410	514.06 CURING BOX FOR CONCRETE CYLINDERS	1.000 EA				
0420	515.20 PROTECTIVE COATING FOR CONCRETE SURFACES	780.000 SY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0430	520.240 EXPANSION DEVICE - PIER COMPRESSION SEAL	50.000 LF				
0440	526.301 TEMPORARY CONCRETE BARRIER TYPE I	LUMP	LUMP			
0450	528.08 STRUCTURAL TIMBER	LUMP	LUMP			
0460	535.631 PRESTRESSED STRUCTURAL CONCRETE DECK PLANKS	LUMP	LUMP			
0470	603.157 12 INCH PVC PIPE	935.000 LF				
0480	603.167 15 INCH POLYVINYLCHLORIDE (PVC) PIPE	285.000 LF				
0490	604.097 72 INCH CATCH BASIN TYPE B1-C	1.000 EA				
0500	604.11 CATCH BASIN TYPE C1	20.000 EA				
0510	604.15 MANHOLE	2.000 EA				
0520	604.154 72 INCH MANHOLE	1.000 EA				
0530	604.16 ALTERING CATCH BASIN TO MANHOLES	2.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0540	604.161 ALTERING CATCH BASIN	6.000 EA				
0550	604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE	8.000 EA				
0560	604.247 CATCH BASIN TYPE F5-C	1.000 EA				
0570	607.1601 TEMPORARY CHAIN LINK FENCE - 4'	400.000 LF				
0580	607.1701 TEMPORARY CHAIN LINK FENCE - 6' MOVEABLE	1680.000 LF				
0590	607.2301 TEMPORARY CHAIN LINK GATE	1.000 EA				
0600	607.25 REMOVE AND RESET CHAIN LINK FENCE	870.000 LF				
0610	607.2501 REMOVE CHAIN LINK FENCE	110.000 LF				
0620	607.490 CHAIN LINK GATE - 16 FT. SWING	1.000 EA				
0630	607.4911 MOTORIZED SLIDE GATE - 24 FT.	1.000 EA				
0640	607.4921 REMOVE GATE & MOTORS	4.000 EA				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0650	607.493 REMOVE & RESET MOTORIZED SLIDING GATE - 14 FT.	1.000 EA				
0660	607.501 SPECIAL REMOVABLE GATE POST	LUMP	LUMP			
0670	607.502 SPECIAL SECURITY GATE POST	LUMP	LUMP			
0680	608.081 REINFORCED CONCRETE DRIVEWAYS WALKWAYS	110.000 SY				
0690	609.11 VERTICAL CURB TYPE 1	140.000 LF				
0700	609.12 VERTICAL CURB TYPE 1 - CIRCULAR	105.000 LF				
0710	609.237 TERMINAL CURB TYPE 1 - 7 FOOT	1.000 EA				
0720	609.2371 TERMINAL CURB TYPE 1- 7 FT - CIRCULAR	2.000 EA				
0730	609.30 PRECAST CONCRETE CURB FOR PIERS	50.000 LF				
0740	609.31 CURB TYPE 3	130.000 LF				
0750	615.07 LOAM	80.000 CY				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0760	618.1301 SEEDING METHOD NUMBER 1 - PLAN QUANTITY	6.000 UN				
0770	619.1201 MULCH - PLAN QUANTITY	6.000 UN				
0780	621.126 SMALL DECIDUOUS TREES (6 FOOT - 8 FOOT) GROUP A	2.000 EA				
0790	621.5352 DECIDUOUS SHRUBS (18 INCH - 24 INCH) GROUP A	10.000 EA				
0800	621.80 ESTABLISHMENT PERIOD	LUMP	LUMP			
0810	621.901 LANDSCAPE BORDER & FOUNDATION FOR OFFICE BLD. EXTERIOR SIGN	LUMP	LUMP			
0820	621.951 BIKE RACK	LUMP	LUMP			
0830	627.901 PAVEMENT MARKINGS IN OFFICE PARKING LOT & DRIVEWAYS	LUMP	LUMP			
0840	639.18 FIELD OFFICE TYPE A	1.000 EA				
0850	652.35 CONSTRUCTION SIGNS	150.000 SF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0860	656.75 TEMPORARY SOIL EROSION AND WATER POLLUTION CONTROL	LUMP	LUMP			
0870	659.10 MOBILIZATION	LUMP	LUMP			
0880	801.15 6 INCH PVC SANITARY SEWER (SCHEDULE 40)	535.000 LF				
0890	803.173 SEWER MANHOLE - 4 FOOT DIAMETER	3.000 EA				
0900	810.4002 OFFICE BUILDING - VISITOR ENTRANCE SIGN	LUMP	LUMP			
0910	810.4003 OFFICE BUILDING - STOP SIGN	LUMP	LUMP			
0920	815.00 BUILDING ARCHITECTURAL	LUMP	LUMP			
0930	815.00 BUILDING ELECTRICAL	LUMP	LUMP			
0940	815.00 BUILDING MECHANICAL	LUMP	LUMP			
0950	815.00 BUILDING STRUCTURAL	LUMP	LUMP			
0960	822.320 6" PVC WATERMAIN	240.000 LF				

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
0970	822.3212 4" PVC WATERMAIN	330.000 LF				
0980	823.3253 TAPPING SLEEVE & GATE VALVE WITH BOX	6.000 EA				
0990	823.33 6 INCH GATE VALVE WITH BOX	4.000 EA				
1000	823.335 4 INCH GATE VALVE W/ SERVICE BOX	3.000 EA				
1010	824.32 REMOVE/RESET HYDRANT	2.000 EA				
1020	827.37 NATURAL GAS DISTRIBUTION	LUMP	LUMP			
1030	832.071 CONTRACTOR ALLOWANCE BUILDING PERMIT, FEES & INSPECT.	LUMP	LUMP		5000	.00
1040	832.071 CONTRACTOR ALLOWANCE CMP	LUMP	LUMP		4000	.00
1050	832.071 CONTRACTOR ALLOWANCE FAIRPOINT	LUMP	LUMP		500	.00
1060	832.071 CONTRACTOR ALLOWANCE PWD	LUMP	LUMP		500	.00
1070	832.071 CONTRACTOR ALLOWANCE UNITIL	LUMP	LUMP		500	.00

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS
1080	910.42 ELECTRICAL - PIER FACILITY SITE - ELECTRICAL	LUMP	LUMP			
	SECTION 0001 TOTAL					.

SECTION 0002 BID ALT. 1

1090	890.011 PIER 12 FT. SECTION ADDITION	1.000 EA				
	SECTION 0002 TOTAL					.

SECTION 0003 BID ALT. 2

1100	528.601 STRUCTURAL TIMBER DECKING ADDITIONAL	LUMP	LUMP			
	SECTION 0003 TOTAL					.

SECTION 0004 BID ALT. 3

1110	627.902 PAVEMENT MARKINGS IN CONTAINER STORAGE LOT	LUMP	LUMP			
1120	627.903 PAVEMENT MARKINGS ON EXISTING CONCRETE PIER	LUMP	LUMP			
	SECTION 0004 TOTAL					.

SCHEDULE OF ITEMS

REVISED:

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LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE		BID AMOUNT	
			DOLLARS	CTS	DOLLARS	CTS

SECTION 0005 BID ALT. 4

1130	655.501 CATHODIC PROTECTION BY SACRIFICIAL ANODE	18.000 EA				
	SECTION 0005 TOTAL					.

SECTION 0006 BID ALT. 5

1140	841.50 RESET LARGE STEEL BOLLARD	LUMP	LUMP			
	SECTION 0006 TOTAL					.

SECTION 0007 BID ALT. 6

1150	810.4001 OFFICE BUILDING - EXTERIOR BUILDING SIGN	LUMP	LUMP			
	SECTION 0007 TOTAL					
	TOTAL BID					

Winton Scott Architects, PA

5 milk street portland, me 04101 t. 207.774.4811 www.wintonscott.com

June 30, 2011

Mr. Craig Morin PE
Project Manager
HNTB Corporation
340 County Road, Suite 6-C
Westbrook, ME 04092

RE: International Marine Terminal Improvements Project – RFI #11 Response

Dear Craig,

I have reviewed the attached letter from Custom Metal Roofs of Maine, Inc. and offer the following response.

The basis of design for the metal roofing was the Berridge Cee-Lock system which according to Manufacturer's installation literature (see attached) can be installed on roofs down to a 1:12 slope (2:12 recommended in snowy climates) provided that a double layer of felt is used under the panel and the optional vinyl weatherseal is used at the joints. This roof has pitches of 2:12 and 1 ¾:12. During development of the drawings, I consulted with Berridge to confirm that they would accept and warrantee the 1 ¾:12 slope for this product with a layer of Ice & Water shield membrane over the entire roof deck and they indicated that they would.

The other products listed in the spec. were intended to represent 'or equal' products to the Berridge Cee Lock panel to the extent that the manufacturers of these products will warrantee the system on the roof slopes Indicated in the drawings.

A double lock type metal roofing panel is an acceptable alternative again as long as the specific product meets the performance criteria of the spec.

Upon further review, it is now understood that a 20 year finish warrantee for a project in a marine environment may not be available in the industry. Roof panels provided for this project must strictly adhere to the finish requirements of the spec requiring galvanized metal coated with a Fluoropolymer finish. Bidders shall provide the best available finish warrantee that would apply to this project for the material submitted.

Regards,



Steve Weatherhead, Senior Associate
Winton Scott Architects, PA

A. **BERRIDGE CEE-LOCK PANEL:** IS AVAILABLE WITH A FIXED PAN WIDTH OF 16 1/2" WITH A SEAM HEIGHT OF 1 1/2". CEE-LOCK IS FACTORY FABRICATED AND/OR FIELD FABRICATED USING THE BERRIDGE CL-21 PORTABLE ROLL FORMER.

WHEN SPECIFYING COIL FOR FIELD-FORMED PANELS, ORDER 20 7/8" WIDE COIL TO FORM THE 16 1/2" COVERAGE PANEL WITH 1 1/2" HIGH LEG. PLEASE CONTACT BERRIDGE MANUFACTURING COMPANY FOR FURTHER INFORMATION REGARDING THE BERRIDGE CL-21 PORTABLE ROLL FORMER.

B. **MINIMUM SLOPE:** THE CEE-LOCK PANEL IS RECOMMENDED FOR ROOF SLOPES OF 1 ON 12 AND GREATER. IN HEAVY SNOW AREAS OR WHERE NUMEROUS FREEZE-THAW CYCLES ARE PREVALENT THROUGHOUT THE WINTER, A MINIMUM ROOF SLOPE OF 2 ON 12 IS RECOMMENDED.

A DOUBLE LAYER OF NUMBER THIRTY FELT UNDERLAYMENT OR EQUAL AND THE CEE-LOCK OPTIONAL VINYL WEATHERSEAL (US PATENT NO. 4,641,475) ARE RECOMMENDED FOR ALL APPLICATIONS WHERE THE ROOF SLOPE IS 3 ON 12 OR LESS.

C. **MATERIAL STORAGE:** CAUTION MUST BE EXERCISED IN STORAGE OF MATERIALS PRIOR TO INSTALLATION. KEEP ALL BERRIDGE PREFINISHED MATERIAL IN A DRY LOCATION WITH ADEQUATE VENTILATION AND OUT OF DIRECT SUNLIGHT.

EXPOSURE TO DIRECT SUNLIGHT AND/OR MOISTURE MAY CAUSE THE FACTORY APPLIED STRIPPABLE PLASTIC FILM TO ADHERE TO THE METAL PERMANENTLY AND DISCOLOR THE FINISH. IF THIS SHOULD OCCUR THE PAINT WARRANTY WILL BE VOID.

D. **STRIPPABLE FILM:** THE STRIPPABLE PLASTIC FILM WHICH IS APPLIED OVER MOST BERRIDGE PREFINISHED PRODUCTS, PANELS, FLASHINGS, COILS, AND FLAT SHEETS PROVIDES PROTECTION OF THE FINISH DURING FABRICATION AND TRANSIT. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION.

E. **SOLID SHEATHING REQUIREMENTS:** BERRIDGE MANUFACTURING COMPANY RECOMMENDS THE USE OF EITHER BERRIDGE 24 GA. CORRUGATED SHEATHING (NOMINAL 2 1/2" PITCH x 11/16" DEPTH) OR A MINIMUM OF 1/2" PLYWOOD SHEATHING TO PROVIDE SUFFICIENT HOLDING POWER FOR FASTENERS. CONTACT BERRIDGE MANUFACTURING'S ENGINEERING DEPARTMENT FOR USE OF ANY OTHER TYPE OF SOLID SHEATHING. (# 30 FELT UNDERLAYMENT OR EQUAL MUST BE USED OVER ANY SOLID SHEATHING).

DUE TO # 30 FELTS TENDENCY TO TEAR WHEN USED OVER CORRUGATED DECKING, BERRIDGE MANUFACTURING REQUIRES GRACE ICE AND WATERSHIELD OR EQUAL TO BE USED AS AN UNDERLAYMENT FOR ALL CORRUGATED DECKS.

NOTE: FOR PROJECTS REQUIRING UL 90 ASSEMBLY, REFER TO UL 90 DETAILS.

F. **SHEATHING INSPECTION:**

1. SHEATHING END JOINTS SHOULD BE STAGGERED.
2. ALL END JOINTS SHOULD MEET AT EITHER A JOIST OR RAFTER.
3. BLOCKING OR "H" CLIPS SHOULD BE USED IF JOISTS DO NOT REMAIN FLAT UNDER THE WEIGHT OF WORKMEN.
4. USE SHIMS TO KEEP ENTIRE SUBSTRATE EVEN. UNEVEN SUBSTRATE WILL RESULT IN "OIL-CANNING" IN PANELS. SUBSTRATE SHOULD BE LEVEL TO 1/4" IN 20'-0".



INSTALLATION INSTRUCTIONS

CEE-LOCK PANEL

DATE: 05-01-97

PAGE \ FILE

CI-1