



PURCHASING SECTION
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ADDENDUM #2

REQUEST FOR QUOTATIONS (RFQ) NO.:	1220-040-2017-114
TITLE:	FLEETWOOD RECREATION CENTRE ROOF REPLACEMENT
ADDENDUM ISSUE DATE:	November 1, 2017
REVISED CLOSING DATE:	prefer to receive Quotations on or before: November 15, 2017

INFORMATION FOR CONTRACTORS

This Addendum is issued to provide additional information to the RFQ for the above named project, to the extent referenced and shall become a part thereof. No consideration will be allowed for extras due to the Contractor not being familiar with this Addendum. This Addendum No. 2 contains eight (8) pages in total.

MODIFICATIONS TO THE WORK

- 1) Delete Roof Area 1.4 from Separate Price SP-6 and SP-7 within Item 10 of Schedule C. Roof Area 1.4 is not included in this scope of work. An update List of Separate Prices is provided in this Addendum #2 below. Contractors should complete and submit this update List of Separate Prices with their Quotation.
- 2) Delete Roof Area 1.4 from Section 01 11 00 - Summary of Work and Section 07 52 10, SSBS Modified Bitumen. Roof Area 1.4 is not included in this scope of work.

ADDITION TO THE WORK

- 3) Provide and install three (3) new fall protection anchors on Roof Area 7.1 as per attached engineering documentation. See FP0, FP1, FP2 and VSMM851.
- 4) Add Separate Price SP-8 to Item 10 of Schedule C.
 - a) SP-8 is to provide a separate price to remove and reinstall Trespa cladding from vertical wall locations on Roof Areas 1.3, 3.1, 4.1, 5.1, and 7.1. See figure 2.2.1.1

below. Review figure 2.2.1.1 for image of defined area. Base bid shall not include for this work and shall be considered an addition to the contract. Re & Re is to facilitate installation of new SBS modified bitumen membrane as per RFQ documents.

Figure 2.1.1.1:



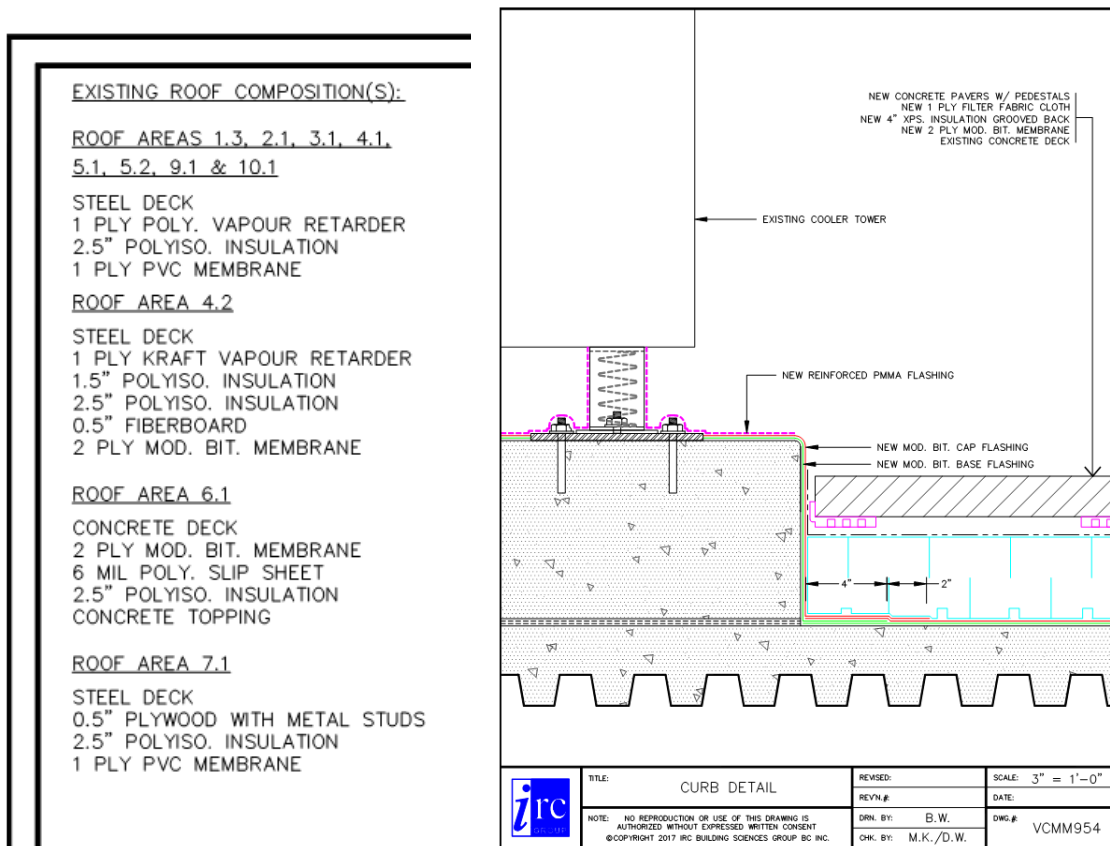
List of Separate Prices:

10. The following is a list of Separate Price(s) to the Work and forms part of this RFQ, upon the acceptance of any or all of the Separate Price(s). The Separate Prices are an addition or a deduction to the Total Quotation Price and do not include GST. DO NOT state a revised Total Quotation Price.

Item #	Description of Separate Price Items	Addition	Deduction
SP-1	Performance Bond at 50% of total contract value	\$	\$
SP-2	Labour and Material Payment Bond at 50% of total contract value	\$	\$
SP-3	On Roof Area 6.1 Mechanical Well: Remove existing concrete topping, curbs, waterproofing membrane and upper portion of bi-level drains down to existing deck in preparation for installation of a new roof system in accordance with Section 07 52 00	\$	\$
SP-4	On Roof Area 4.1: Provide price to supply and install new metal stairs and associated landing in accordance with Section 05 50 00 - Metal Fabrication and Drawings A1-A3	\$	\$
SP-5	On Roof Area 9.1: Provide price to supply and install 26 ga., ½" corrugated metal cladding as supplied by Vic-West, to match existing building cladding in accordance with Section 07 64 00 - Sheet Metal Wall Cladding	\$	\$
SP-6	On Roof Areas 1.3, 3.1, 4.1, 4.2, 5.1, 5.2, 6.1, 7.1, 8.1, 9.1, 10.1: Provide price to supply and install temporary weatherproof hoarding, wind rated to 90 kph, including engineering on hoarding details. Hoarding system to use ballast as a means of retention as existing cladding is brand new	\$	\$
SP-7	On Roof Areas 1.3, 3.1, 4.1, 4.2, 5.1, 5.2, 7.1, 9.1, 10.1: Provide price (credit) to delete specified deck overlay board and torch grade vapour retarder, and install self-adhered membrane vapour retarder directly to substrates in accordance with Section 07 52 00	\$	\$
SP-8	Provide a separate price to remove and reinstall Trespa cladding from vertical wall locations on Roof Areas 1.3, 3.1, 4.1, 5.1, and 7.1. See figure 2.2.1.1. Review figure 2.2.1.1 for image of defined area. Base bid shall not include for this work and shall be considered an addition to the contract. Re & Re is to facilitate installation of new SBS modified bitumen membrane as per RFQ documents	\$	\$

QUESTIONS AND ANSWERS

Q1: Detail VCMM954 shows a roof membrane on concrete but the existing roof composition shows a concrete topping. Since there is an alternate price to remove the topping in the tender form I am unclear whether the detail shows the membrane on the original slab or the topping and if it is the original slab then how else would that topping be removed if not by us? Also, how are we to know how thick that concrete topping is?. It seems to me that this item should be taken care of by the GC.



A1: Roof Area 6.1 is not included in the base bid.

For purposes of Separate Price SP-3, as Built drawings indicate 100mm (4") concrete wearing slab over 50mm (2") extruded polystyrene over 6mil poly slip sheet, over 2 ply SBS membrane over concrete slab and structure. Separate price should include for removal of all overburden and 2 ply SBS membrane, installation of new 2 ply SBS membrane, insulation, and wearing surface. Concrete pad for the mechanical chiller is to remain in place and be roofed in-situ. Only adjacent concrete surfaces would be removed.

- There is no GC on this project so items such as removal of overburden would be by the roofing contractor.

END OF ADDENDUM #2

All Addenda will become part of the RFQ Documents.

STRUCTURAL GENERAL NOTES

C. INSTALLATION

- 1) REPORT ANY DISCREPANCIES BETWEEN THE STRUCTURAL ROOF ANCHOR PLANS AND DETAILS SHOWN IN THESE DRAWINGS WITH SITE CONDITIONS.
- 2) GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR SITE VERIFICATION OF ALL ROOF MEASUREMENTS AND FALL PROTECTION EQUIPMENT LOCATIONS PRIOR TO ORDERING, MANUFACTURING & INSTALLING COMPONENTS.
- 3) ROOF ELEVATIONS ON DRAWINGS ARE APPROXIMATE DUE TO SLOPED ROOFS AND EXISTING GRADE SLOPE.
- 4) IF ROOF ANCHORS ARE DESIGNED TO BE TIED INTO EXISTING ROOF FRAMING MEMBERS BELOW, VERIFY THESE MEMBERS ARE AS ASSUMED BEFORE ORDERING, MANUFACTURING & INSTALLING THE ROOF ANCHORS.
- 5) GENERAL CONTRACTOR SHALL CONFIRM THAT THE PROPOSED ROOF ANCHOR LOCATIONS DO NOT INTERFERE WITH ROOF DRAINS, ROOF MOUNTED EQUIPMENT, ETC.
- 6) TAKE CARE WHEN EXPOSING THE STRUCTURE BELOW AND OPENING THE ROOF MEMBRANE. PROTECT THE ROOF AS REQUIRED TO PREVENT WATER DAMAGE TO THE INTERIOR OF THE BUILDING.
- 7) IF DRILLING THE EXISTING MEMBERS TO CONNECT THE ROOF ANCHORS, ANY DRILLING NOT SHOWN ON THESE DRAWINGS SHALL BE REPORTED BY THE CONTRACTOR PRIOR TO DRILLING.
- 8) WHEN INSTALLING EXPANSION OR ADHESIVE ANCHOR BOLTS, THOROUGHLY CLEAN THE HOLE PRIOR TO INSTALLING THE EXPANSION ANCHOR OR THE EPOXY GROUT.
- 9) ALL SITE WELDING SHALL BE COORDINATED WITH THE BUILDING MAINTENANCE PERSONNEL TO VERIFY IF ANY SPECIAL REQUIREMENTS EXIST PRIOR TO WELDING. PROVIDE ADEQUATE FIRE PROTECTION TO EXISTING STRUCTURE WHEN WELDING.
- 10) ALL SITE WELDING SHALL CONFORM TO CSA W59 BY WELDERS QUALIFIED TO CSA W47.1.
- 11) ENSURE ALL ROOF AND / OR WALL AREAS AFFECTED BY ANCHOR INSTALLATIONS ARE REPAIRED IN ACCORDANCE WITH PROJECT SPECIFICATIONS AND ARE WATERTIGHT.
- 12) THE CONTRACT DOCUMENTS ARE BASED ON ASSUMED AS BUILT DIMENSION FOR THE EXISTING BUILDING STRUCTURE AND ASSUMPTIONS MAY VARY FROM THE ACTUAL ON SITE CONDITIONS. THE CONTRACTOR SHALL IMMEDIATELY INFORM THE CONSULTANT OF ANY ACTUAL VARIATION FROM THE ASSUMED CONDITIONS.
- 13) MINOR MODIFICATIONS WILL BE REQUIRED TO THE WORK INDICATED ON THESE DRAWINGS TO REFLECT ACTUAL SITE CONDITIONS. THE CONTRACTOR WILL COOPERATE WITH THE CONSULTANT AND OWNER IN THIS REGARD. MINOR MODIFICATIONS WILL BECOME THE RESPONSIBILITY OF THE CONTRACTOR AND WILL NOT RESULT IN A CHANGE IN THE CONTRACT PRICE.

D. TESTING & INSPECTION

- 1) ALL ROOF ANCHORS AND THEIR COMPONENTS AND ATTACHMENT TO THE EXISTING STRUCTURE SHALL BE REVIEWED BY IRC BUILDING SCIENCE GROUP BC INC.
- 2) ALL FALL ARREST RIGID ANCHORS SHALL BE LOAD TESTED TO 11 KN (2500 LBS) PRIOR TO COMMISSIONING THE ROOF ANCHORS FOR USE.
- 3) ALL ROOF ANCHORS SHALL UNDERGO A VISUAL REVIEW ON AN ANNUAL BASIS.
- 4) ALL ADHESIVE BOLTED ROOF ANCHORS SHALL BE LOAD TESTED EVERY 5 YEARS.

E. RE-COMMISSIONING OF LOADED ANCHORS

- 1) AFTER A FALL, WHERE ANY ROOF ANCHOR HAS BEEN LOADED, THE SYSTEM SHALL BE REVIEWED BY IRC BUILDING SCIENCE GROUP BC INC. OR ANOTHER QUALIFIED PROFESSIONAL TO RE-COMMISSION THE ROOF ANCHORS.
- 2) ANY DAMAGED ROOF ANCHOR OR SUPPORTING STRUCTURE SHALL BE REPLACED.
- 3) ANY TILT OVER POST SHALL BE FULLY INSPECTED AFTER ANY FALL. IF A POST HAS BEEN DEPLOYED, THE SYSTEM SHALL NOT BE USED UNTIL FURTHER NOTICE.

- 1) ALL WORK SHALL CONFORM TO THE 2012 BRITISH COLUMBIA BUILDING CODE.
- 2) ROOF ANCHORS DESIGNED TO O.H.S.R. (BC REGULATION 420/2004) OF WORKSAFEBC AND CAN/CSA-Z259.16.04.
- 3) ALL STRUCTURAL STEEL IS DESIGNED AS PER CSA/CAN-S16.1.
- 4) ALL HSS MEMBERS ARE TO BE A500 GRADE C ACCORDING TO CSA/CAN3-G40.21 WITH FY=317 Mpa.
- 5) ALL PLATE STEEL, CHANNELS AND ANGLES SHALL HAVE FY= 250 Mpa IN ACCORDANCE WITH CSA/CAN3-G40.21
- 6) STAINLESS STEEL IS TO BE TYPE 316 FOR CABLE AND TYPE 304 FOR MEMBERS AS PER ASTM A193.
- 7) ALL BOLTS SHALL BE GALVANIZED TYPE A325 OR STAINLESS STEEL TYPE 304 WITH COMPATIBLE NUTS AND WASHERS.
- 8) ALL RIVETS SHALL BE STAINLESS STEEL A304.
- 9) ALL ANCHOR BOLTS SHALL BE STAINLESS STEEL TYPE 304 WITH COMPATIBLE NUTS AND WASHERS.
- 10) ALL WELDING SHALL CONFORM TO CSA W47.1 AND WELDERS ARE TO BE CERTIFIED UNDER DIVISION 1 OR 2.1

B) DESIGN FORCES

- 1) ALL FALL ARREST ANCHORS ARE DESIGNED FOR AN ULTIMATE LOAD OF 22 KN (5000 LBS) OR A WORKING LOAD OF 4.45 KN (1000 LBS).
- 2) PRE-ENGINEERED DEPLOYABLE ANCHOR CONSISTING OF COLLAPSIBLE POST WITH ENERGY ABSORPTION SYSTEM MUST COLLAPSE AT NO GREATER THAN 3.5kN (800LBS) AND THEN POST TO ACT IN SHEAR IN THE PLANE OF ANCHOR BASE PLATE WITH A FORCE NOT TO EXCEED 12kN (2700LBS).
- 3) ALL ISOLATED ROOF ANCHORS ARE DESIGNED FOR ONE WORKER PER ANCHOR.
- 4) ALL RIGID ANCHORS, DEPLOYABLE ANCHORS AND ROOF STRAP ANCHORS ARE DESIGNED FOR ROOFTOP MAINTENANCE ONLY.
- 5) WORKERS SHALL USE A MAXIMUM 3 FT LONG SHOCK ABSORBING LANYARD RATED FOR 4 KN (900 LBS) MAXIMUM ARREST FORCE.
- 8) THE BASE BUILDING HAS BEEN REVIEWED AND IS CAPABLE OF SAFELY SUPPORTING THE DESIGN LOADS NOTED ABOVE. IF UPGRADING IS REQUIRED, REQUIREMENTS ARE NOTED ON THE ATTACHED PLANS AND DETAILS.
- 9) WORKERS SHALL USE THE ROOF ANCHORS WHENEVER THEY ARE REQUIRED TO BE CLOSER THAN 2M (6.5 FT) FROM AN UNPROTECTED ROOF EDGE OR UTILIZE SOME OTHER FORM OF ACCEPTABLE FALL FALL PROTECTION AND/OR PROCEDURES AS PERMITTED BY WORKSAFE BC.

- 10) SPECIFIED UNIFORM LOADS(kpa)

Ss = 2.4 kpa
Sr = 0.30 Kpa
Sa = 1.0
Is = 1.25 uls ; 0.9 sls

- SUPERIMPOSED DEADLOADS (S.D.L.) ARE NON-STRUCTURE DEADLOADS DUE TO TOPPINGS, FINISHES, PARTITIONS, ROOFING MATERIALS ETC.
- CONTRACTORS CONSTRUCTION LOADS MUST NOT EXCEED THE ABOVE DESIGN LOADS

LEGEND

- NOTES:
1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SITE VERIFICATION OF ALL ROOF MEASUREMENTS.
2. CONTRACTOR TO VERIFY ALL EXISTING STRUCTURAL MEMBERS AS PER STRUCTURAL DETAILS PROVIDED BEFORE FABRICATION AND PURCHASES AND INFORM ENGINEER OF RECORD/CONSULTANT OF ANY DISCREPANCIES.



IRC BUILDING SCIENCES GROUP BC INC.

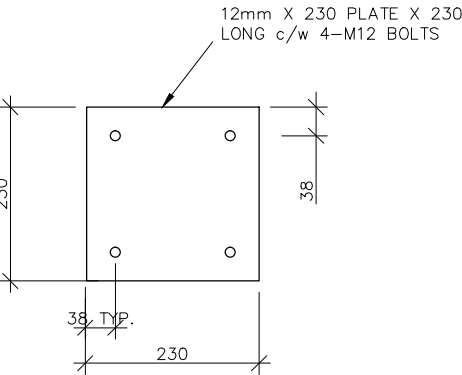
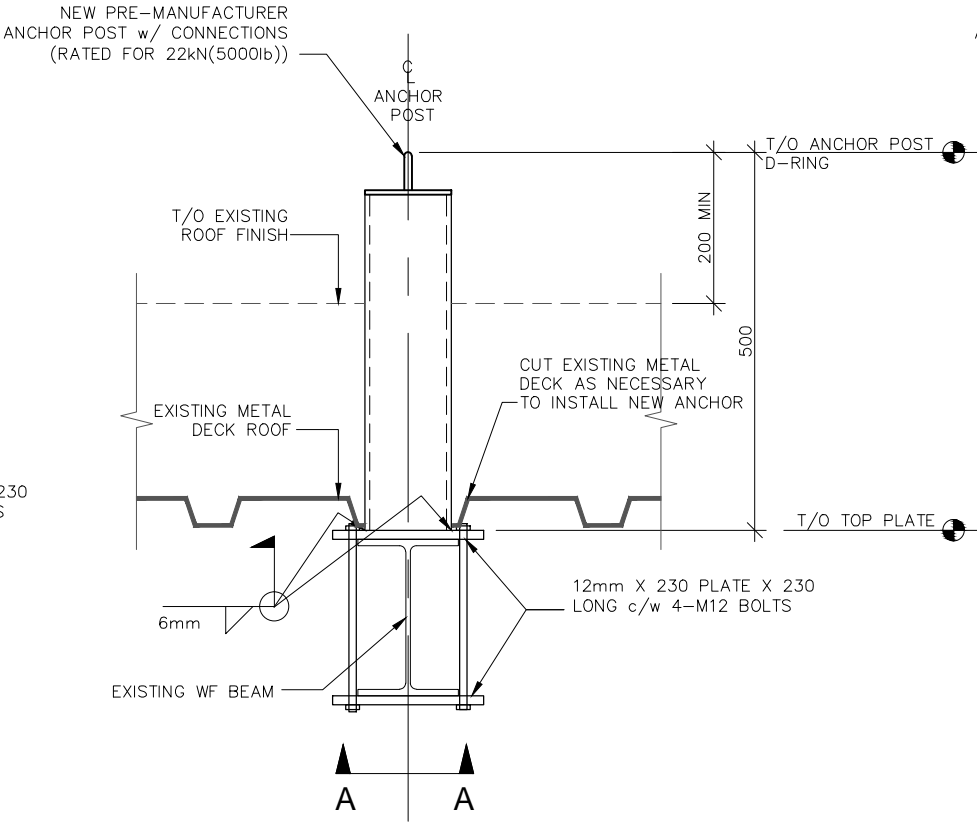
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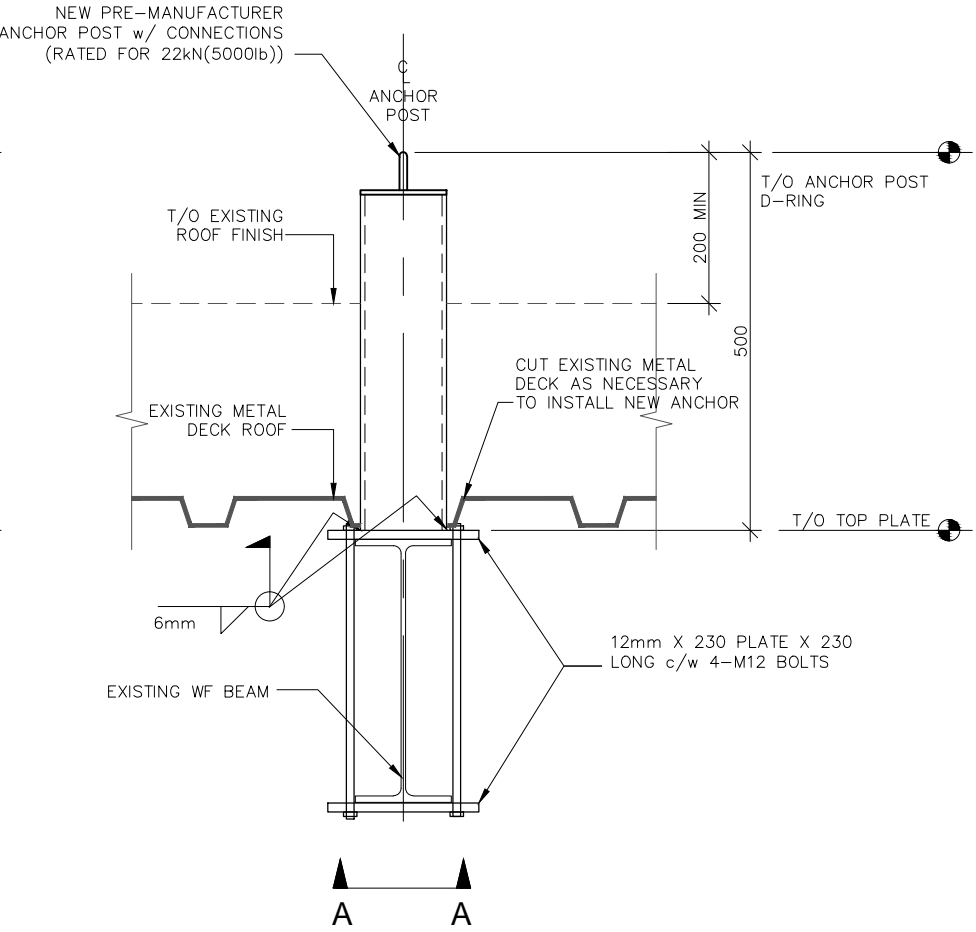
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PROJECT: FLEETWOOD LIBRARY 15996 84th AVE SURREY, BC	
IRC #: 18659	NORTH:
W.O.#: VR17-098SP	
SCALE:	
DATE: OCT./17	DWG.#: FPO
DRN. BY: B.W.	
CHK. BY: A.M.	

LEGEND



SECTION A-A
ANCHOR PLATE PLAN VIEW

1 ROOF ANCHOR POST TO STEEL BEAM
FP2



2 ROOF ANCHOR POST TO STEEL BEAM
FP2

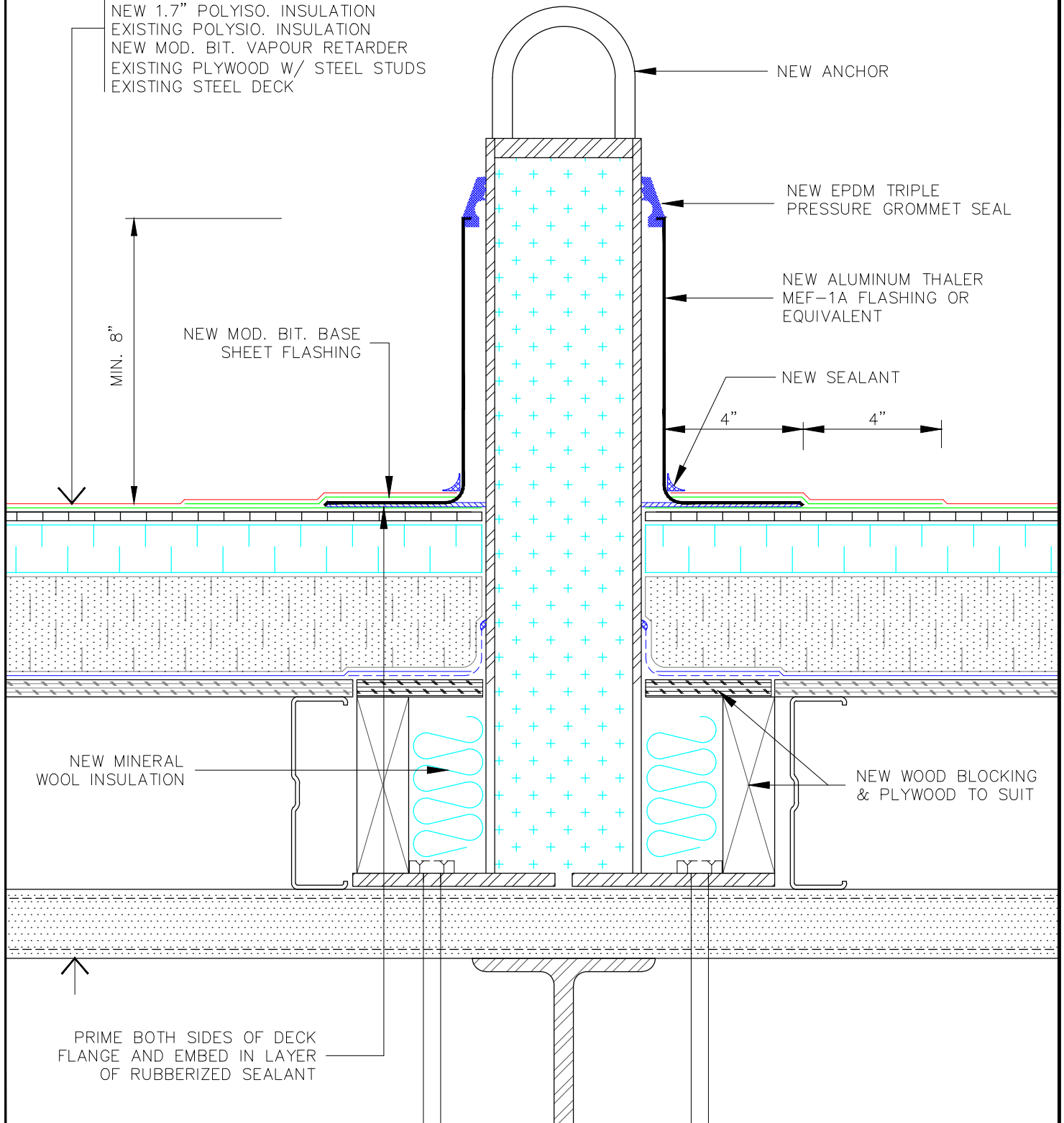
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TITLE:	DETAIL	
CLIENT:	CITY OF SURREY	
PROJECT:	FLEETWOOD LIBRARY 15996 84th AVE SURREY, BC	
IRC #:	18659	NORTH:
W.O.#:	VR17-098SP	
SCALE:	1:10	
DATE:	OCT./17	
DRN. BY:	B.W.	DWG.#: FP2
CHK. BY:	A.M.	

NEW 2 PLY MOD. BIT. MEMBRANE
 NEW 0.25" DENSDECK PRIME
 NEW 1.7" POLYISO. INSULATION
 EXISTING POLYSIO. INSULATION
 NEW MOD. BIT. VAPOUR RETARDER
 EXISTING PLYWOOD W/ STEEL STUDS
 EXISTING STEEL DECK



TITLE:

ANCHOR DETAIL

REVISED:

SCALE: 3" = 1'-0"

REV'N.#:

DATE:

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DRN. BY: B.W.

DWG.#:

VSMM851

CHK. BY: M.K./D.W.