

REQUEST FOR BIDS
Operations Center Roof Replacement
DULUTH TRANSIT AUTHORITY

Addendum #3

October 30, 2019

A. Please note: The Bid Due Date for responses to the Operations Center Roof Replacement HAS BEEN CHANGED to:

1:00 p.m. on Thursday, November 14, 2019.

B. The deadline to submit questions has been extended to Tuesday, November 5, 2019. Responses to questions will be posted on the DTA website at www.duluthtransit.com on Wednesday, November 6, 2019.

C. Clarification: The attached sheets detail changes to the materials and installation to accommodate existing structural slope conditions on the roof. These additional specifications and drawings of the maintenance roof are attached and incorporated herein.



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ADDENDUM 3
October 29, 2019

Project: Duluth Transit Authority Operations Center
2402 West Michigan Street
Duluth, Minnesota 55806

Project No. 214706.2

This Addendum shall be made part of the Bidding Documents and is issued to modify and/or clarify the Bidding Documents. Attach this Addendum to the Project Manual and indicate the number of this Addendum in the spaces provided on the Bid Form.

ADDENDUM 2:

1. Sheet A1, Roof Plan, Administration (Low): Replace "RD" with "RD Sim To".
2. Sheets A1 and A1.1:
 - a. Roof Plans, Bus Storage, and Maintenance: Replace all tapered insulation sumps with tapered insulation sump indicated on the partial roof plan, attached.
 - b. Roof Plan Notations, "RD": Replace "Detail 3/A5" reference with "Detail 5/A6", and add "At RD Sim To location, refer to Detail 3/A5".

SPECIFICATIONS:

3. Section 01 10 00, Article 1.3.B.5 – Add "At areas where structural slope is 1" or greater, install new 2x wood nailer within the top layer of new isocyanurate, bonded to the insulation in asphalt. Backnail the membrane felts through the cover board into the 2x nailer".
4. Section 01 10 00, Article 1.3.B.6 – Replace "25-year" with "20-year".
5. Section 07 51 00, Article 1.6.B – Replace "25-year" with "20-year".
6. Section 07 51 00, Article 2.2.A – Replace "Type VI (6)" with "Type IV (4)".
7. Section 07 51 00, Article 2.6 Add – "D. Backnailing felts: Galvanized barbed roofing nails with 1-1/2" penetration, through 1" metal discs".
8. Section 07 51 00, Article 3.5 – Add "Install felts parallel to slope where slope is 1"/ft. or more. Backnail each ply at 9-1/2" in from unexposed edge at wood nailers and at the base of wood cants at 6" on-center at all vertical locations".

DRAWINGS:

9. Detail 3/A5: Delete and replace with Detail 3/A5, attached
10. Add Detail 5/A6 - Tapered Insulation Sump and Existing Roof Drain Assembly Detail

END OF ADDENDUM

Attachments: Partial Roof Plan
Details 3/A5 and 5/A6

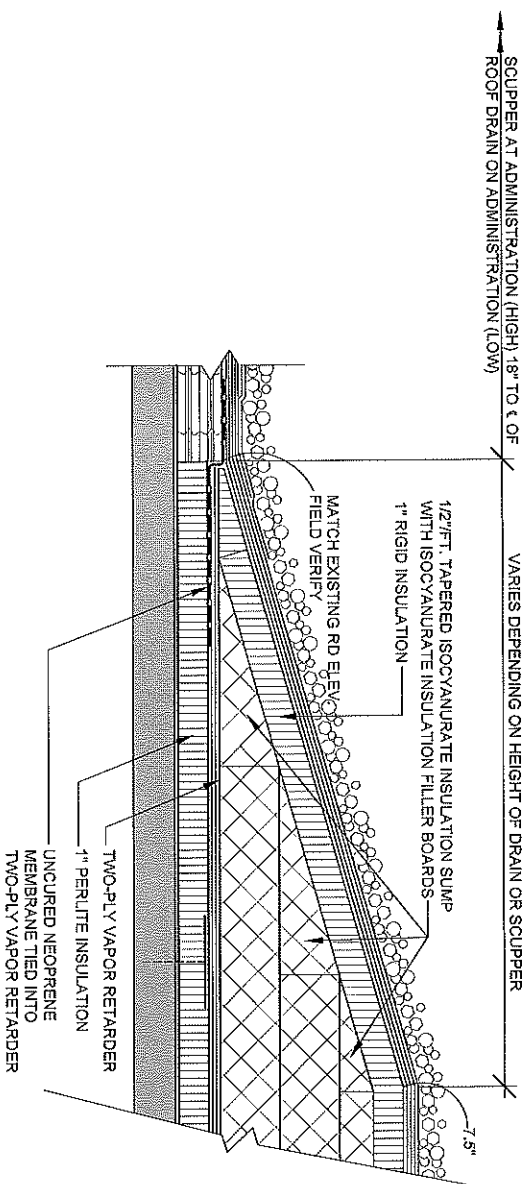
3
 A5

TAPERED INSULATION SUMP DETAIL

NO SCALE

AD3

ADMINISTRATION
 (HIGH AND LOW)



- NOTES:
1. REFER TO DETAIL 2/A2 FOR SYSTEM INFORMATION ON ADMINISTRATION (HIGH)
 2. REFER TO DETAIL 4/A2 FOR SYSTEM INFORMATION ON ADMINISTRATION (LOW)

DULUTH TRANSIT AUTHORITY
 2019 PARTIAL REROOFING OPERATIONS CENTER
 2402 IV MICHIGAN ST
 DULUTH, MN 55808

DATE: 05/20/18
 PROJECT NO.: 3/A5
 PROJECT MGR: DM
 DRAWN BY: DM
 CHECKED BY: DM

3/A5



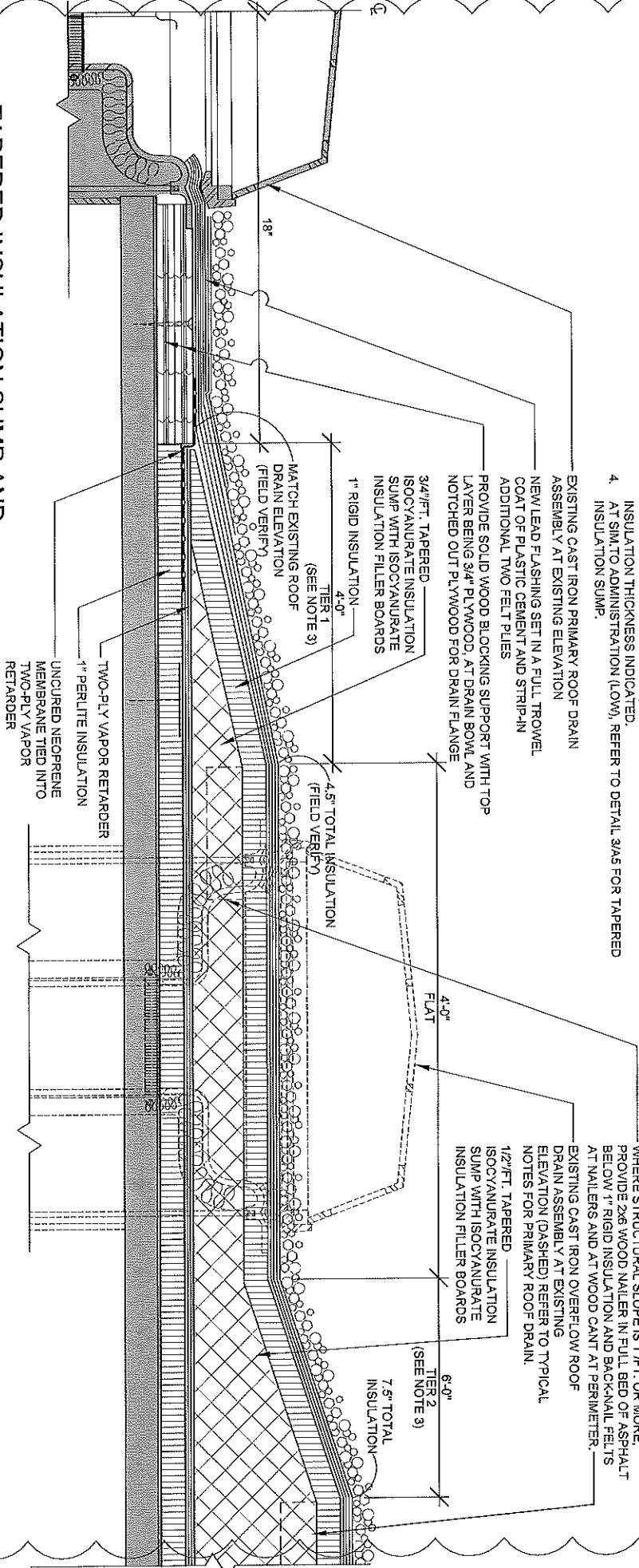
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 Duluth, MN 55812
 Tel: 218-826-0004
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AD #3

5
A6

TAPERED INSULATION SUMP AND EXISTING ROOF DRAIN ASSEMBLY DETAIL

BUS STORAGE AND MAINTENANCE
(SIM. TO ADMINISTRATION - LOW)



- NOTES:**
1. ADDITIONAL TAPERED INSULATION TO PROVIDE POSITIVE DRAINAGE AT LOW POINT OF STRUCTURALLY SLOPED DECK NOT SHOWN DUE TO VARYING CONDITIONS. SITE VERIFY AND INSTALL ABOVE VAPOR RETARDER AS REQUIRED.
 2. AT OVERFLOW ROOF DRAIN NO TAPERED SUMP TOWARD DRAIN.
 3. AT TIER 1, ADJUST SIZE OF TIER TO REACH ELEVATION OF OVERFLOW ROOF DRAIN AND 4'-0" FLAT. AT TIER 2, ADJUST SIZE OF TIER TO ACHIEVE TOTAL INSULATION THICKNESS INDICATED.
 4. AT SIM. TO ADMINISTRATION (LOW), REFER TO DETAIL 3A5 FOR TAPERED INSULATION SUMP.

EXISTING CAST IRON PRIMARY ROOF DRAIN ASSEMBLY AT EXISTING ELEVATION
NEW LEAD FLASHING SET IN A FULL TROWEL COAT OF PLASTIC CEMENT AND STRIP-IN ADDITIONAL TWO FELT PILES
PROVIDE SOLID WOOD BLOCKING SUPPORT WITH TOP LAYER BEING 3/4" PLYWOOD. AT DRAIN BOWL AND NOTCHED OUT PLYWOOD FOR DRAIN FLANGE

3/4" TAPERED ISOCYANURATE INSULATION SUMP WITH ISOCYANURATE INSULATION FILLER BOARDS
1" RIGID INSULATION
MATCH EXISTING ROOF DRAIN ELEVATION (FIELD VERIFY)

4.0" TIER 1 (SEE NOTE 3)
4.5" TOTAL INSULATION (FIELD VERIFY)

4.0" FLAT
1 1/2" TAPERED ISOCYANURATE INSULATION SUMP WITH ISOCYANURATE INSULATION FILLER BOARDS
TIER 2 (SEE NOTE 3)
7.5" TOTAL INSULATION (SEE NOTE 3)

1 1/2" TAPERED ISOCYANURATE INSULATION SUMP WITH ISOCYANURATE INSULATION FILLER BOARDS
TIER 3 (SEE NOTE 3)
7.5" TOTAL INSULATION (SEE NOTE 3)

2x6 WOOD MULLER IN FULL BED OF ASPHALT BELOW 1" RIGID INSULATION AND BACK-NAIL FELTS AT MULLERS AND AT WOOD CANT AT PERIMETER.
EXISTING CAST IRON OVERFLOW ROOF DRAIN ASSEMBLY AT EXISTING ELEVATION (DASHED) REFER TO TYPICAL NOTES FOR PRIMARY ROOF DRAIN.

TWO-PLY VAPOR RETARDER
1" PERLITE INSULATION
UNCURED NEOPRENE MEMBRANE TIED INTO TWO-PLY VAPOR RETARDER

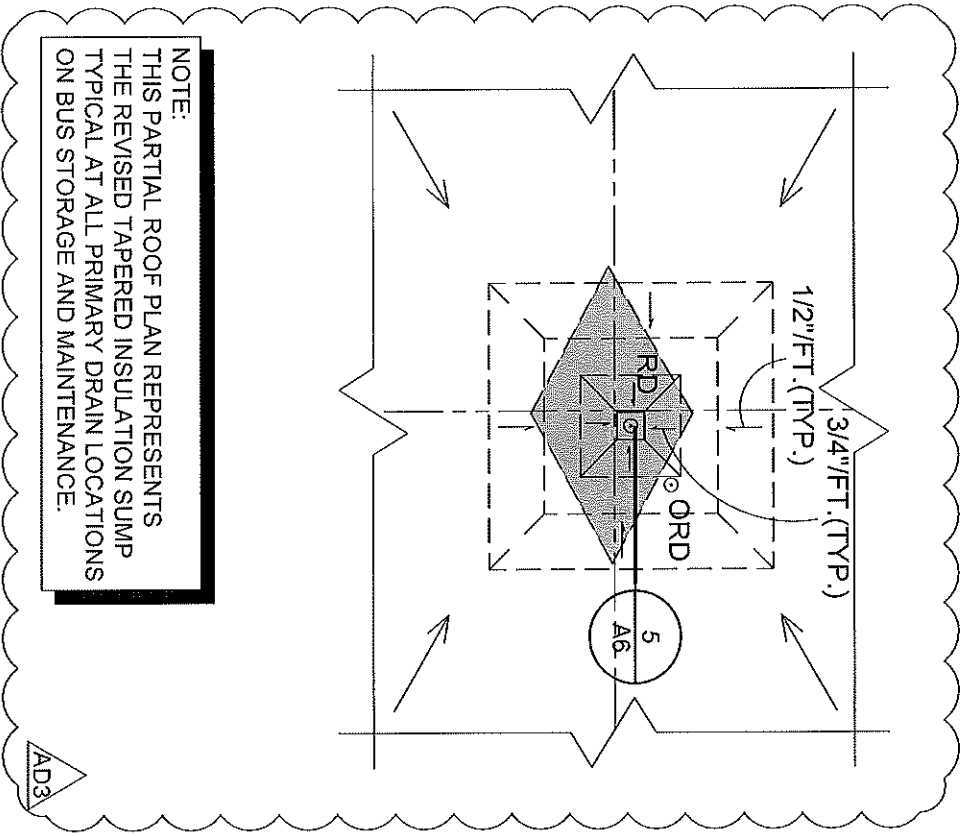
DULUTH TRANSIT AUTHORITY
2019 PARTIAL REROOFING OPERATIONS CENTER
3402 W. MADISON ST
DULUTH, MN 55805

AD #3

DATE: 03/28/2019
DRAWN BY: GW
CHECKED BY: BW
PROJECT NO.: 2019-01
PROJECT NAME: 2019 PARTIAL REROOFING OPERATIONS CENTER
DRAWN BY: GW
CHECKED BY: BW

5/A6
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NOTE:
 THIS PARTIAL ROOF PLAN REPRESENTS
 THE REVISED TAPERED INSULATION SUMP
 TYPICAL AT ALL PRIMARY DRAIN LOCATIONS
 ON BUS STORAGE AND MAINTENANCE.

AD3

Client:
DULUTH TRANSIT AUTHORITY

Project title:
2019 PARTIAL REROOFING OPERATIONS CENTER
 2402 W MICHIGAN ST
 DULUTH, MN 55806

DATE: 10/29/2019
 CLIENT PROJECT No.:
 INSPEC PROJECT No.: 214706.1
 PROJECT MGR: DM
 DRAWN BY: RJM
 CHECKED BY: DM

Sheet No.:

PARTIAL
 ROOF PLAN



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