LIBERTY MIDDLE SCHOOL ROOF NOTES

I. GENERAL NOTES

1. See Specification Section 1010 Summary of Work, for general description of work required.

2. See Specification Section 7550 for Single-Ply EPDM Rubber Membrane Roofing, insulation & required appurtanences.

3. Dimensions shown are approximate measurements. Exact measurements for material ordering & existing field conditions shall be field verified by Bidder. No "Extra" claims by contractor will be given consideration for conditions which can be reasonably field verified by contractor prior to submission of his Bid Proposal.

4. As finish roof details may vary somewhat between manufacturers, exact details may be modified from those shown to gain I-90 rating and 10 year written warranty. Submit details to be used to Architect/Owner prior to fabrication & installation.

5. Existing stone ballast may be reused if it conforms to membrane manufacturer's requirements. If not, contractor shall remove existing ballast and install new stone ballast. On-site area will be available for disposal of unused/removed ballast materials.

6. See Roof Deck Plan, Drawing Sht. R-1 for delineation of various existing roof deck materials, including metal deck on steel bar joist, flexicore concrete hollow core slab units and Tectum wood fiber. In general, all roof decks have 3" rigid insulation covering and Trocal brand membrane/flashing system.

7. Typical new roofing is to consist of stone ballasted EPDM Rubber over new 1/2" insulation board where existing structural conditions permit. In other areas new adhered EPDM Rubber over new mechanically attached 1/2" insulation board is to be used. Refer to Drawings.

8. All material removed during demolition and construction operations shall be removed from site and disposed of in a legal manner (except for removed stone ballast which may be deposited at a designated on-site location).

II. SPECIFIC ROOF CONSTRUCTION NOTES:

1. New single-ply adhered, .060" Fire Rated EPDM Rubber Membrane. Include one-way prefab one-way breather vents at min. 1 per 1000 sq. ft. of roof area.

2. New 1/2" Retroboard (Faced Fiberboard) underlayment board mechanically attached over existing 3" insulation. Fasten w/3" x 3" plates & screws at min. one fastener per 2 sq. ft. to achieve I-90 wind rating screws to penetrate steel deck min. 1" and wood fiber tectum deck full 2" depth. Use with adhered EPDM Rubber Roof.

3. New EPDM Rubber flashing strip bonded to new membrane per Roof Mfgr's. recommendations.

4. Continuous SPM termination (Anchor) bar with fasteners at 12" on center (min.). Screws min. 1" thru deck or masonry.

5. New single-ply, .045" ballasted EPDM Rubber Membrane. Reuse existing stone ballast @ 10 lbs. per sq. ft. to achieve I-90 rating. (Or furnish new ballast if req'd. by membrane manufacturer).

6. New 1/2" Retroboard underlayment fiberboard insulation, loose laid over existing 3" insulation. Use with stone ballasted EPDM Rubber Roofing.

7. New SPM pre-molded pipe/flashing. (Field formed EPDM may be used where necessary w/S.S. clamping ring).

8. New treated blocking, nominal 1" & 2" thickness as detailed. Spike or screw to existing construction for I-90 uplift rating w/galvanized or coated fasteners.

9. New metal dam extension to raise pitch pockets. Maintain min. 2" above new roof.

10. New 24 ga. stainless steel drip edge or gravel stop as detailed with concealed clips as noted.

11. At All Roof Drains: Remove and clean drain bodies & re-set roof drain. Scrape & clean strainers & prime coat. Replace broken clamps & bolts. Where broken or missing, replace strainer basket.

12. Adhere EPDM Roof Membrane to vert. wall surface.

III. DEMOLITION NOTES

A. Cut loose existing "Trocal" PVC Roofing at Bldg. perimeter, expansion joints, equipment curbs, vertical walls, etc.. Also score cut through PVC Roofing in approx. 10 ft. x 10 ft. pattern. Large pieces may be left in place if they lie flat. Any protruding fasteners shall be retightened flush with insulation or cut off. Existing 3" styrofoam Insulation to remain.

B. Cut existing PVC membrane loose from roof drains/sumps.

C. Existing membrane roofing to be cut back 6" from base of vertical surfaces of roof top HVAC units.

D. At existing exhaust & vent fans, remove fan, flash up on to curb w/new EPDM Rubber Flashing & reinstall fan. Refasten with new stainless steel screws.

E. Remove existing Trocal metal flashing around vent stacks.

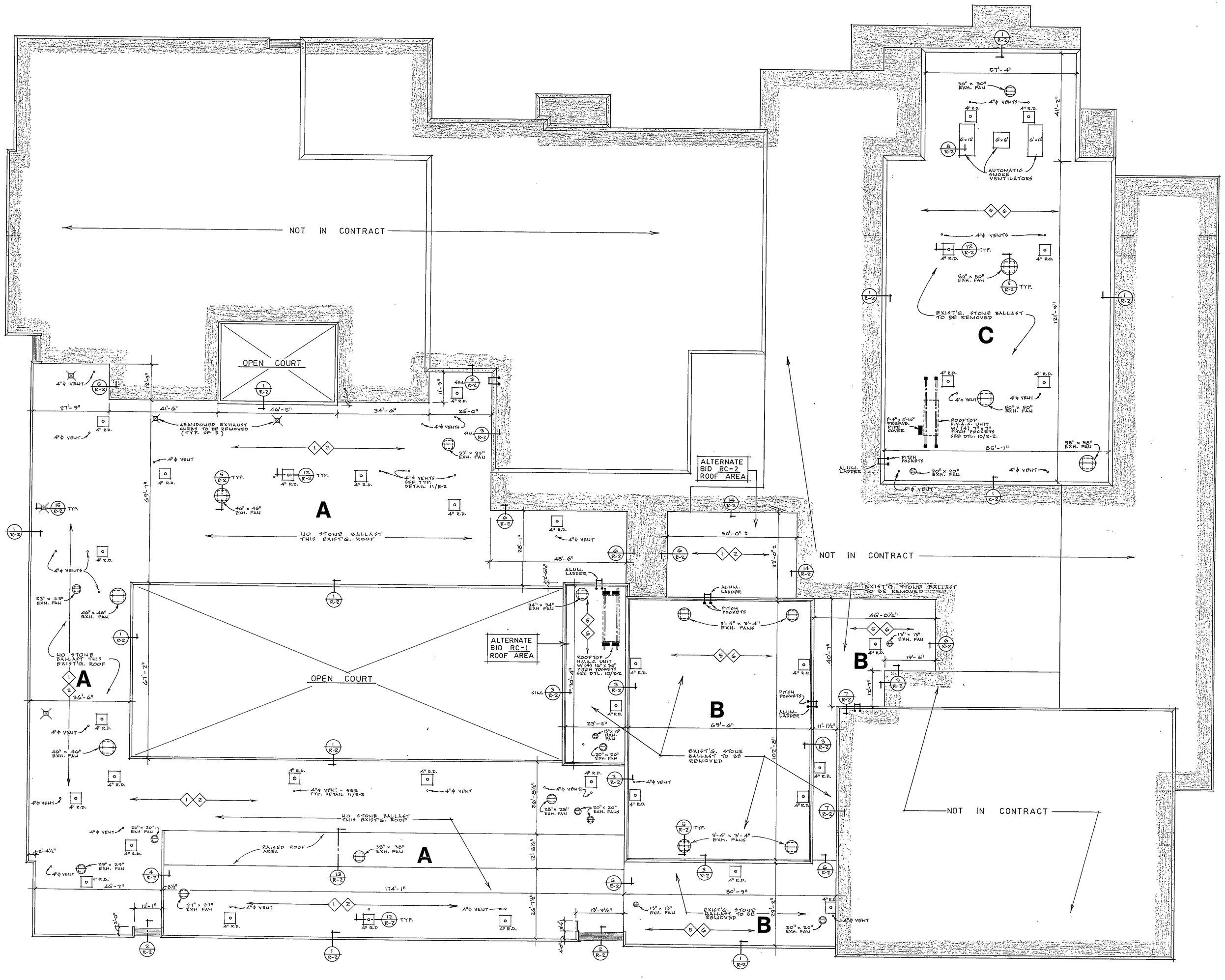
F. Remove existing metal flashing, coping cap or gravel stop.

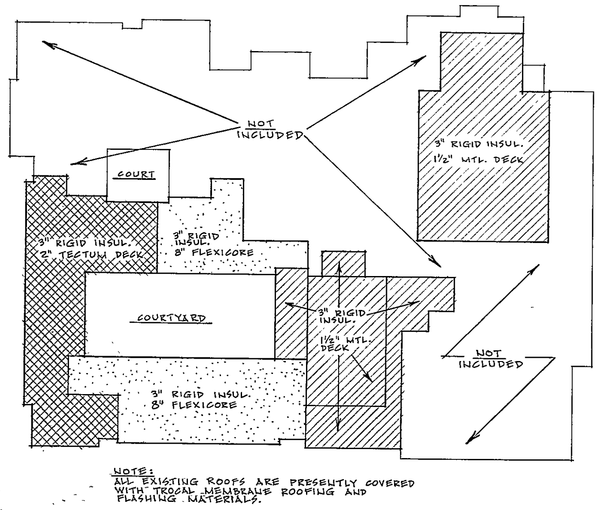
G. Remove existing abandoned exhaust curbs to down below deck surface. Fill voids flush with matching Tectum deck and rigid insulation.

H. Remove existing stone ballast from roof ballasted areas. Reinstall ballast once roofing membrane is installed. (Or, furnish and install new ballast material if req'd. by membrane manufacturer.

J. Remove existing coping cap & clips. Mark & save for reinstallation. Reinstall with new EPDM roofing with stainless steel fasteners.

K. Remove existing Trocal vertical wall metal flashing panel & Cant material.

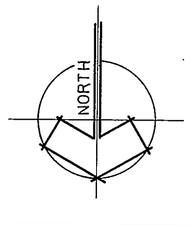


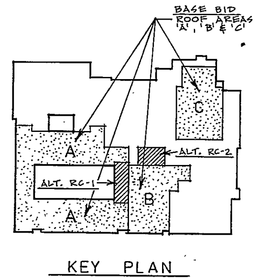


NOTE:
ALL EXISTING ROOFS ARE PERMANENTLY COVERED WITH TROCAL MEMBRANE ROOFING AND FLASHING MATERIALS.

LMS: ROOF DECK PLAN
(IDENTIFIES EXIST. ROOF DECK AND EXIST. ROOF INSULATION)
NO SCALE

ROOF PLAN
LIBERTY MIDDLE SCHOOL
1/16" = 1'-0"





KEY PLAN

REVISIONS	BY

ROOF PLAN - LIBERTY MIDDLE SCHOOL
SUMMER 1993 DUNELAND RENOVATION PROJECTS
DUNELAND SCHOOL CORPORATION
chesterton, indiana
gerometta & kinel architects, inc.
chesterton, indiana

93-R-01

DATE 3/10/93.
SCALE 1/16" = 1'-0"
DRAWN TLA
JOB 9301
SHEET R-1 OF 7 SHEETS

STOCKDRAFTING FORM NO. 101-56