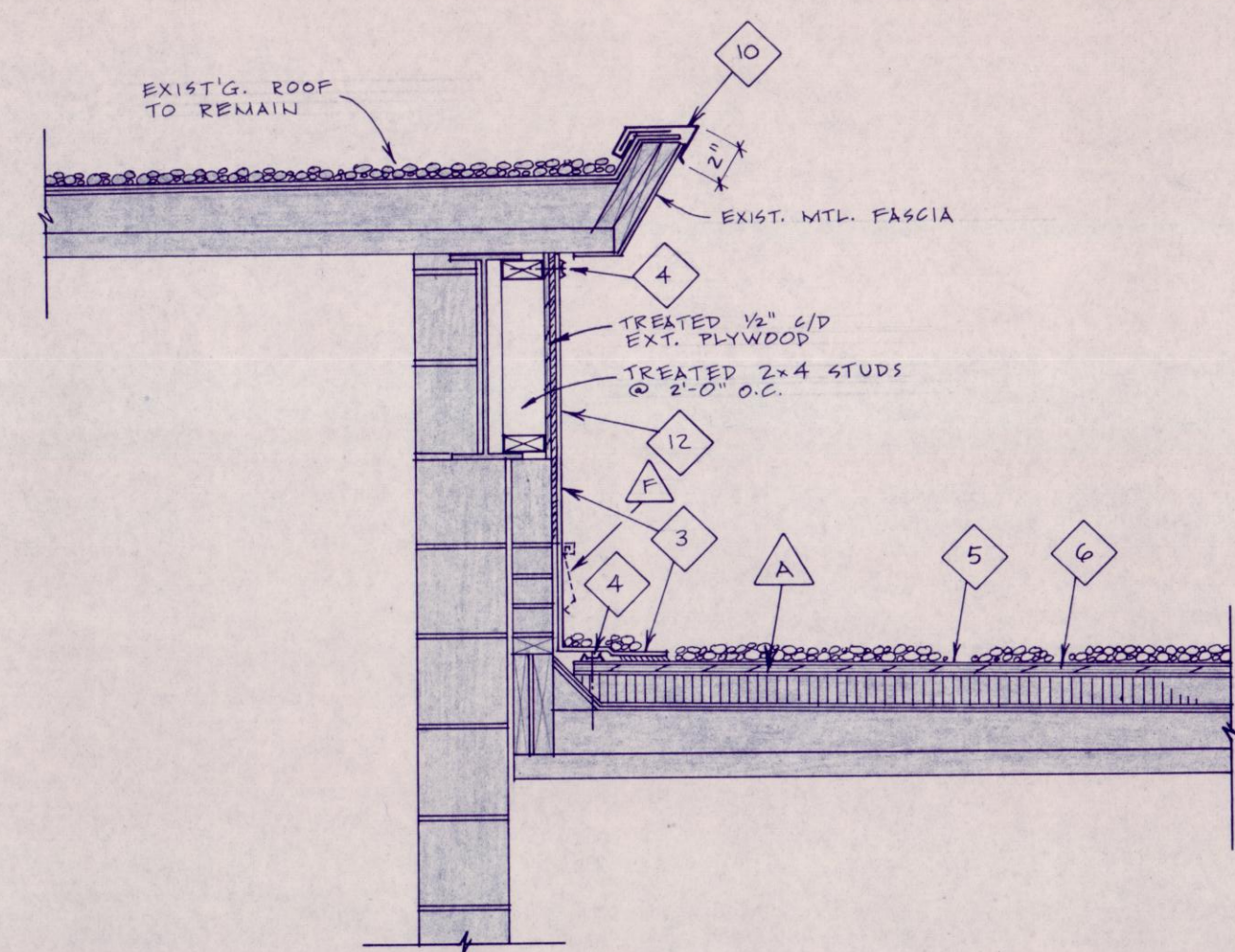


ROOF PLAN - WESTCHESTER MIDDLE SCHOOL

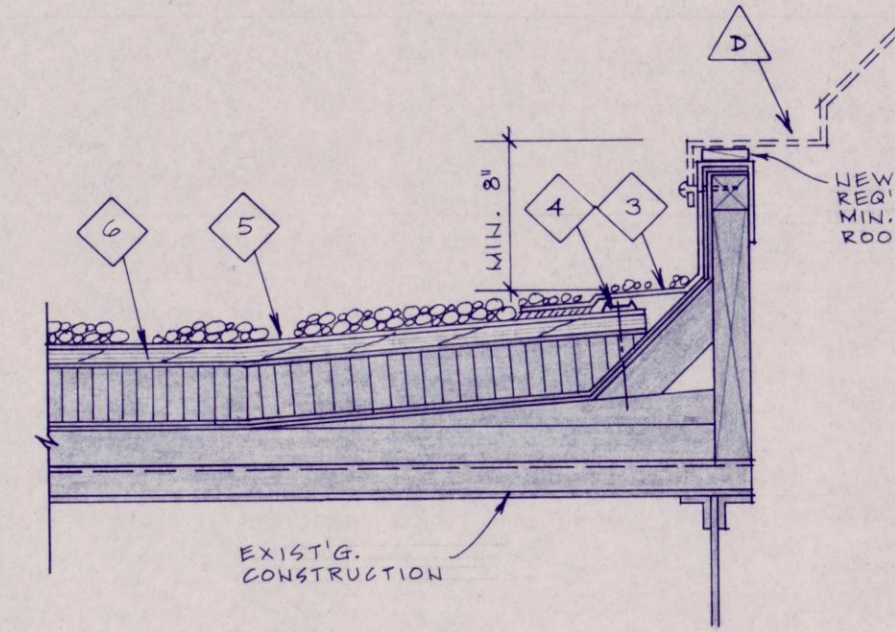
REROOFING NOTES

- GENERAL NOTES**
 - See Specification Section 1010 Summary of Work, for general description of work required.
 - See Specification Section 7550 for Single-ply EPDM Rubber Membrane Roofing, insulation & required appurtenances.
 - 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.
 - 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.
 - Existing stone ballast may be reused if it conforms to membrane Mfr's. requirements. If not, Contractor shall remove existing ballast & install new stone ballast. On-site area will be available for disposal of unused/removed ballast materials.
 - 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.
 - All material removed during demolition & construction operations shall be removed from site and disposed of in a legal manner (except for removed stone ballast which may be reused if permitted by membrane Mfrs. or deposited at a designated on-site location).
- SPECIFIC ROOF CONSTRUCTION NOTES:**
 - 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.
 - New 1/2" Retroboard (Paced Fiberboard) underlayment board mechanically attached over existing 3" insulation. Fasten w/3"x3" plates & screws at min. one fastener per 2 sq.ft. to achieve I-90 wind ratings/screws to penetrate steel deck min. 1" and wood fiber tectum deck full 2" depth. Use with adhered EPDM Rubber Roof.
 - New EPDM Rubber Flashing strip bonded to new membrane per Mfr's. recommendations.
 - Continuous SPM termination (Anchor) bar with fasteners at 12" on center (min.). Screws min 1" thru deck or masonry.
 - 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 Mfr.). Install one-way prefab breather vents at min. 1 per 1000 sq.ft. of roof area.
 - New 1/2" Retroboard underlayment fiberboard insulation, loose laid over existing 3" insulation. Use with stone ballasted EPDM Rubber Roofing.

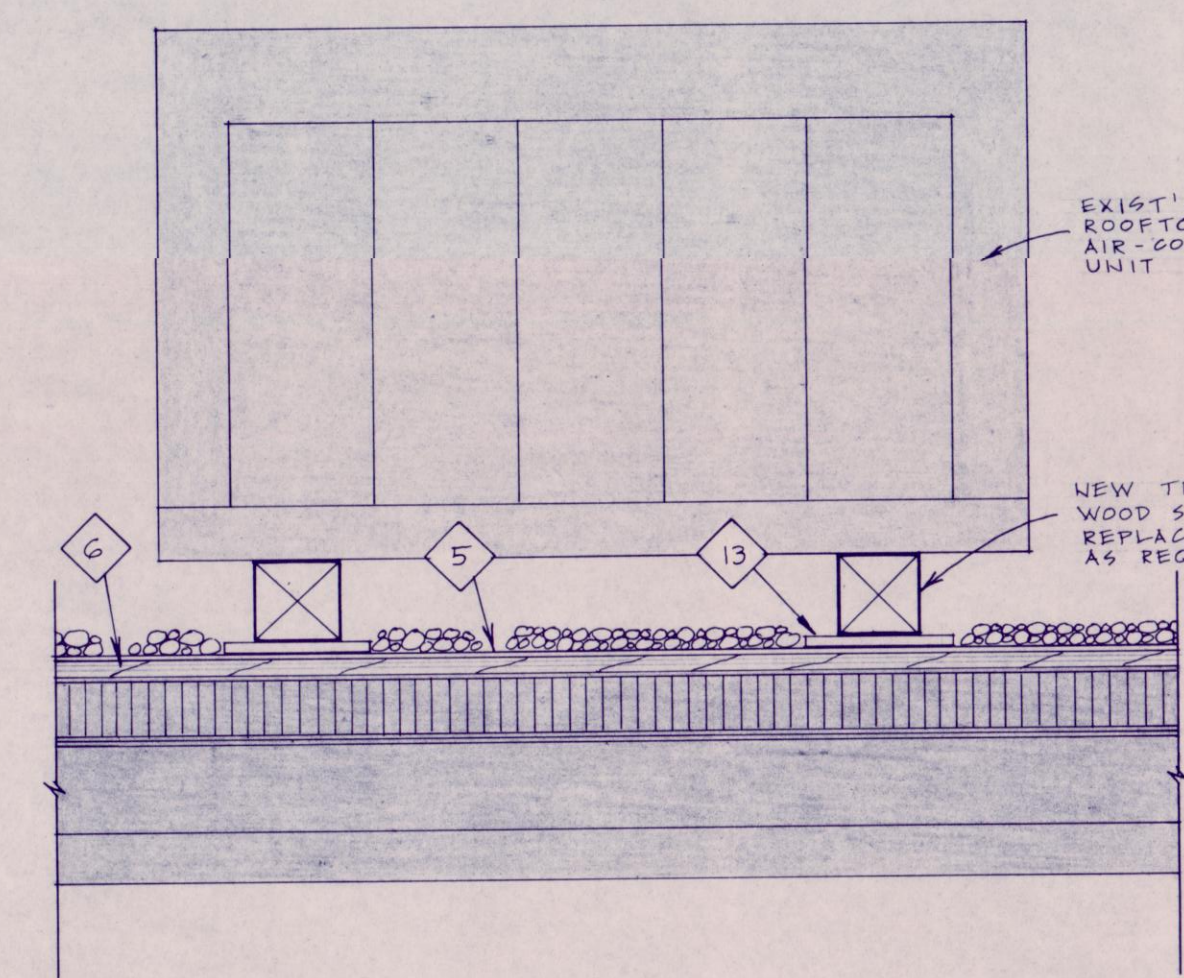
- New SPM pre-molded pipe/flashing. (Field formed EPDM may be used where necessary w/S.S. clamping ring).
 - New treated blocking, nominal 1" x 2" thickness as detailed. Spike or screw to existing construction for I-90 uplift rating w/galvanized or coated fasteners.
 - New metal dam extension to raise pitch pockets. Maintain min. 2" above new roof.
 - New prefin. metal drip edge or prefin. metal gravel stop as detailed with concealed clips as noted.
 - At All roof drains: Remove & clean drain bodies & re-set roof drains. Scrape & clean strainers & prime coat. Replace broken clamps & bolts. Where broken or missing, replace strainer basket.
 - Adhere EPDM Roof Membrane to vert. wall surface.
 - New 1/2" walk pad over new roofing.
- DEMOLITION NOTES:**
- Cut loose existing "Trocal" PVC Roofing at Bldg. perimeter, expansion joints, equipment curbs, vertical walls, etc.. Also score cut thru PVC Roofing in approx. 10ft.x10ft. 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" rigid insulation to remain.
 - Cut existing PVC membrane loose from roof drains/sumps.
 - Remove existing membrane roofing to be cut back 6" from base of vertical surfaces of roof top HVAC units.
 - 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. (Raise existing vent & fan curbs if required to maintain min. 8" ht. above new roof).
 - Remove existing Trocal metal flashing around vent stacks.
 - Remove existing metal flashing, coping cap or gravel stop.
 - Remove existing abandoned exhaust curbs to down below deck surface. Fill voids flush with matching deck and rigid insulation.
 - Remove existing stone ballast from roof ballasted areas. Reinstall ballast once roofing membrane is installed. (Or, furnish & install new ballast material if req'd. by membrane Mfr., in which case on-site disposal area will be available).
 - Remove existing Coping cap & clips. Mark & save for reinstallation. Reinstall with new EPDM roofing with stainless steel fasteners.
 - Remove Trocal vertical wall metal flashing panel & Cant material.
 - Remove existing metal fascia cap; reinstall when new roofing is complete.
 - Remove existing Trocal metal coping cap cover.



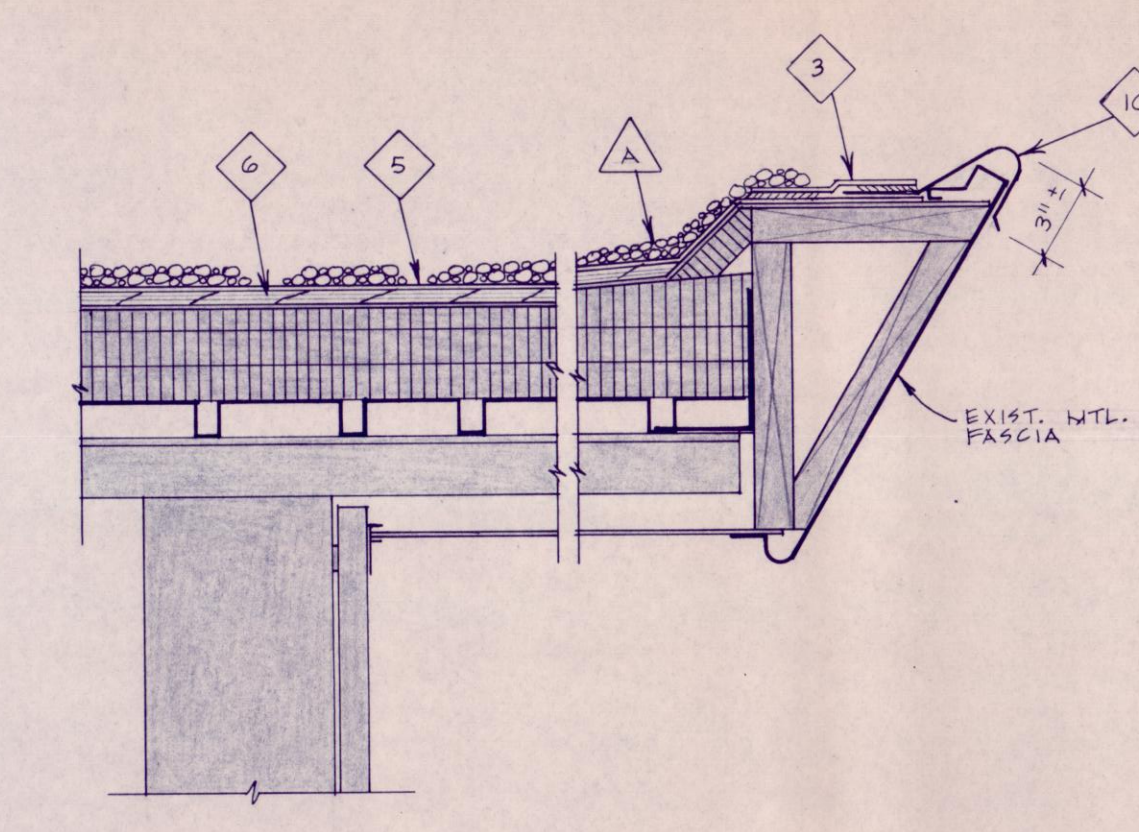
1 SECTION



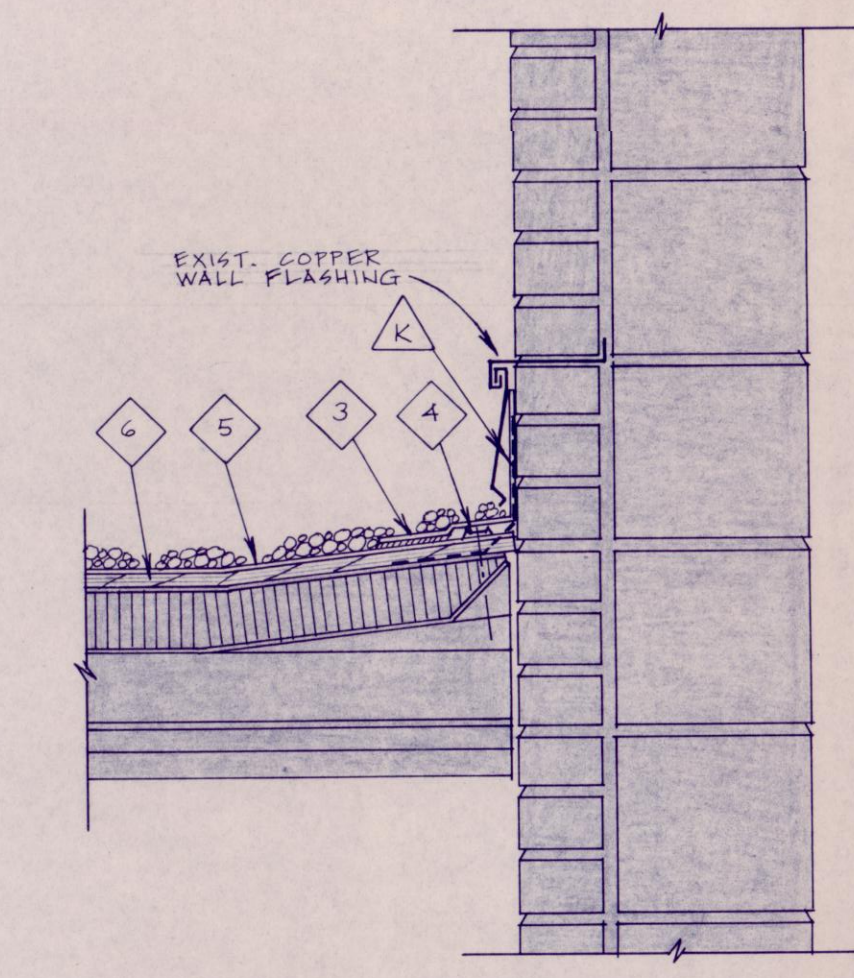
6 EXH. CURB DETAIL



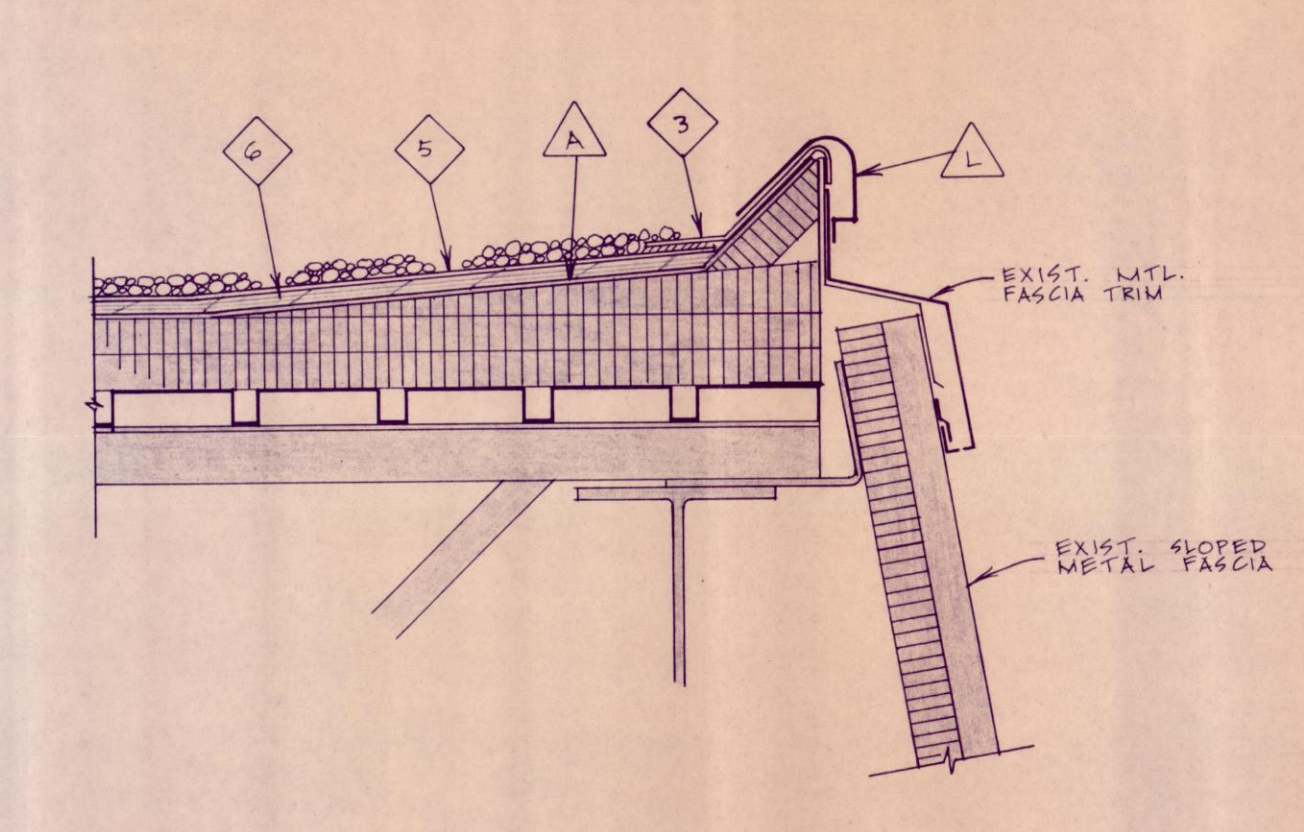
7 ROOFTOP UNIT DETAIL



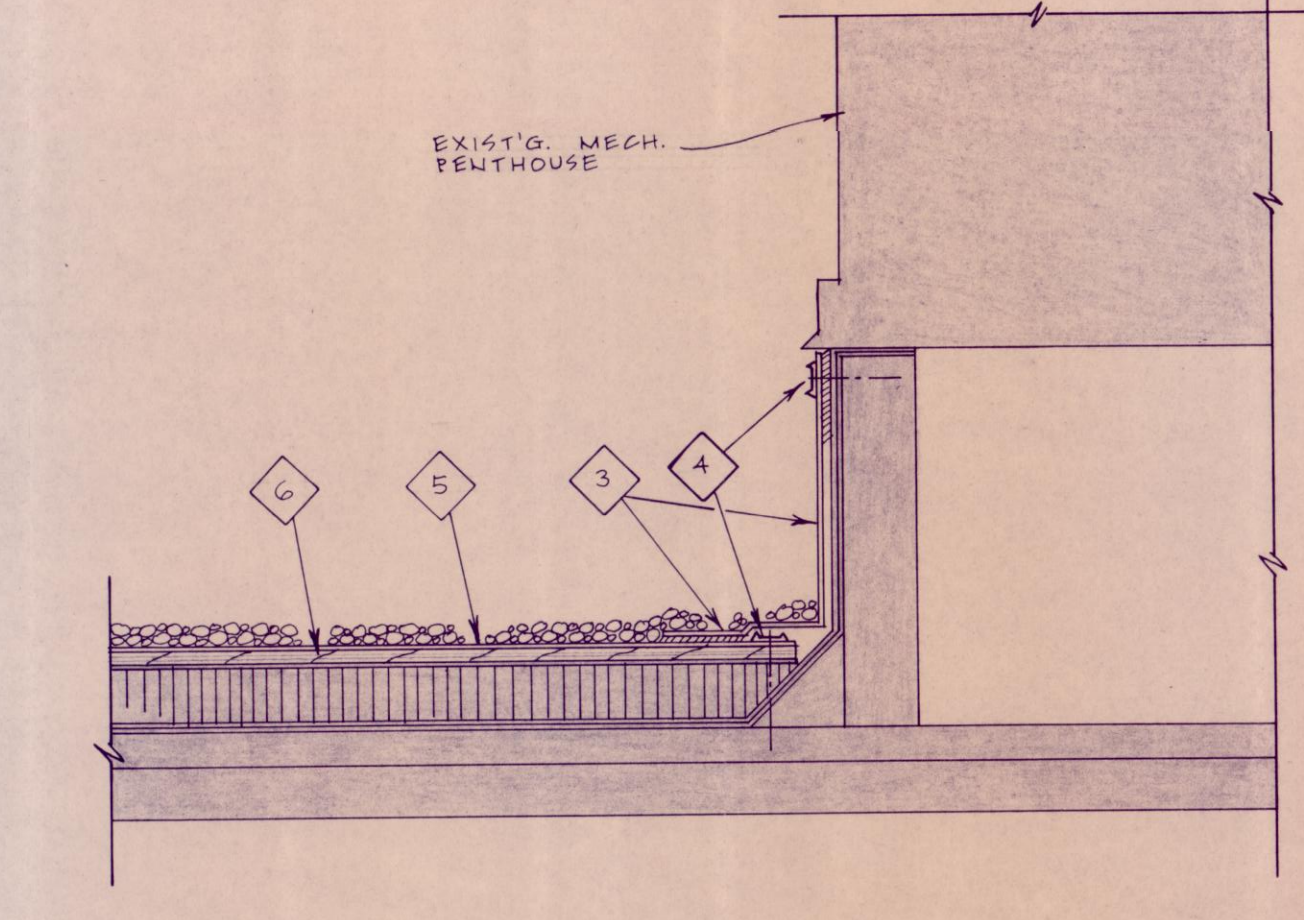
2 FASCIA DETAIL



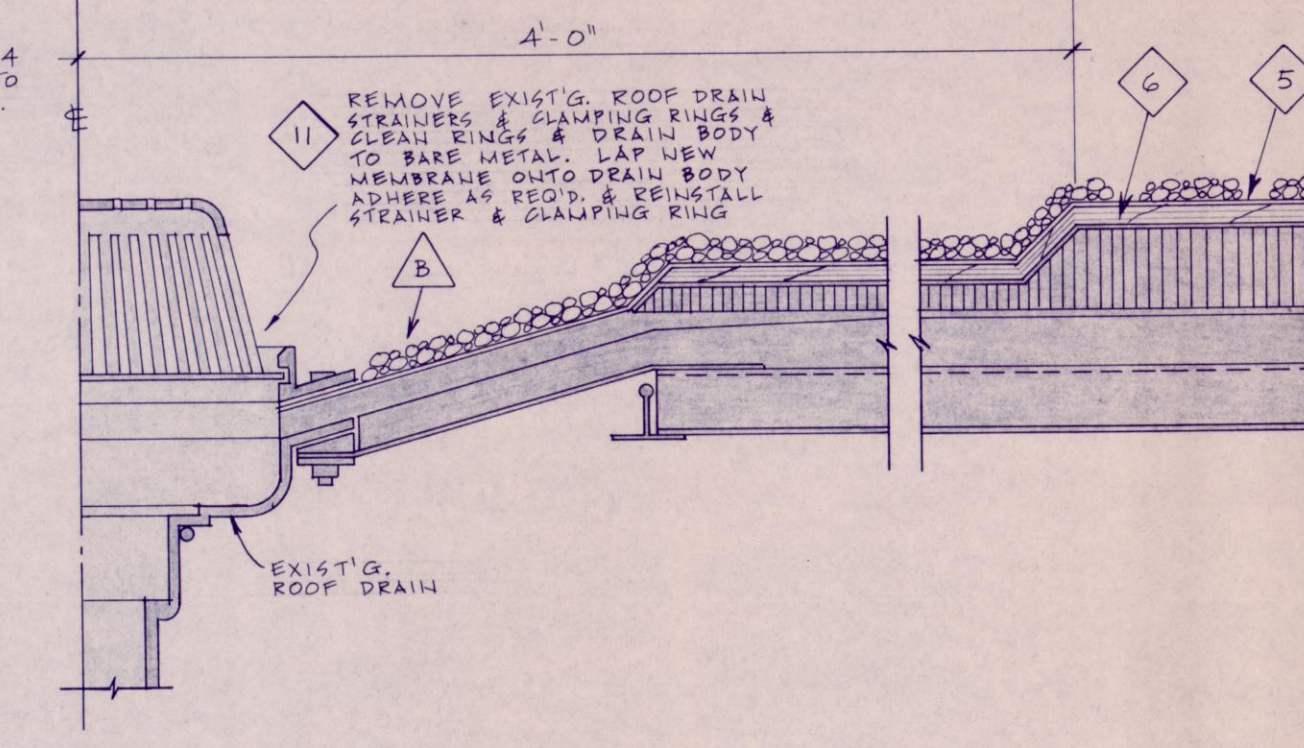
5 FLASHING DETAIL



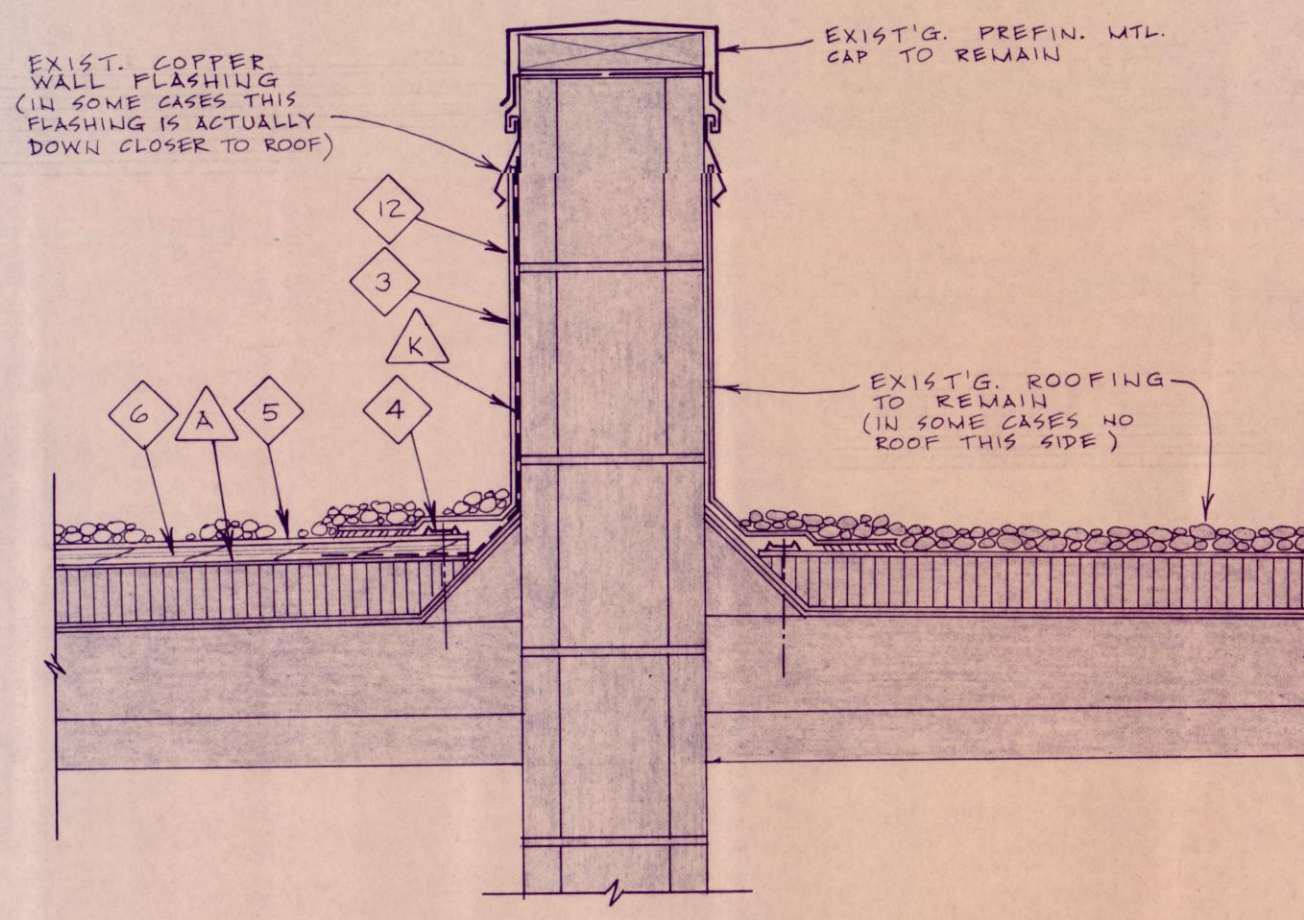
3 FASCIA DETAIL



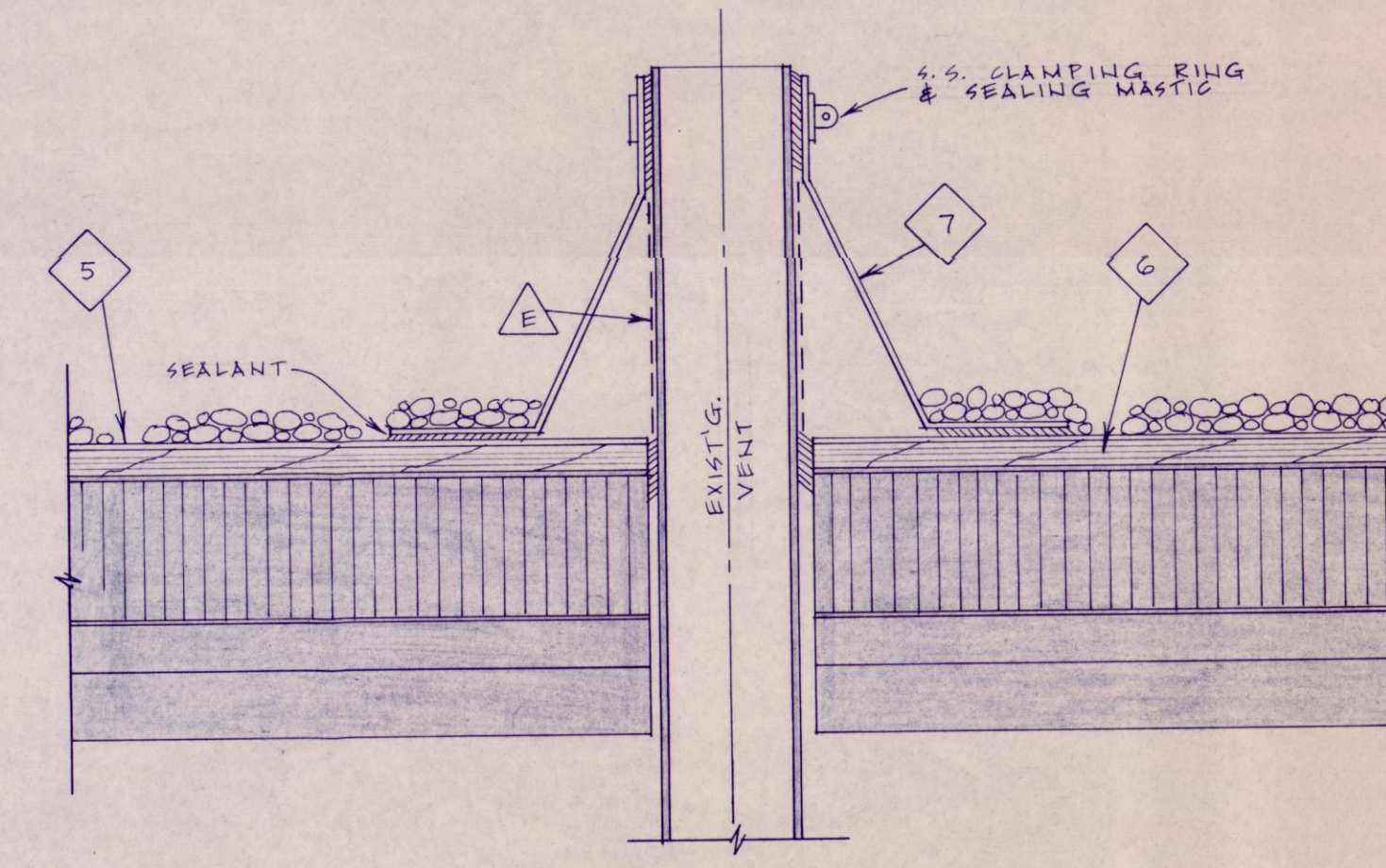
4 MECH. PENTHOUSE DTL.



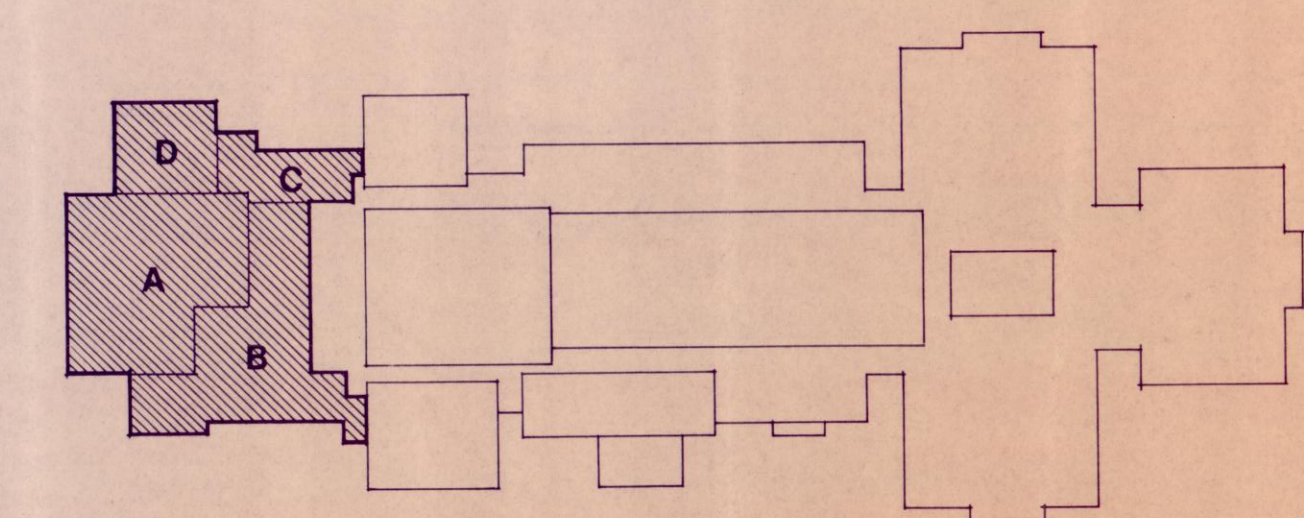
8 ROOF DRAIN DETAIL



9 PARAPET WALL DTL.



10 VENT FLASHING DTL.



KEY PLAN

ROOF PLAN & DETAILS - WESTCHESTER MIDDLE SCHOOL
 1994 BUILDING ADDITIONS & RENOVATION PROJECTS
 CHESTERTON, INDIANA
 DUNELAND SCHOOL CORPORATION
 gerometta & kinel architects, inc.
 Chesterton, Indiana