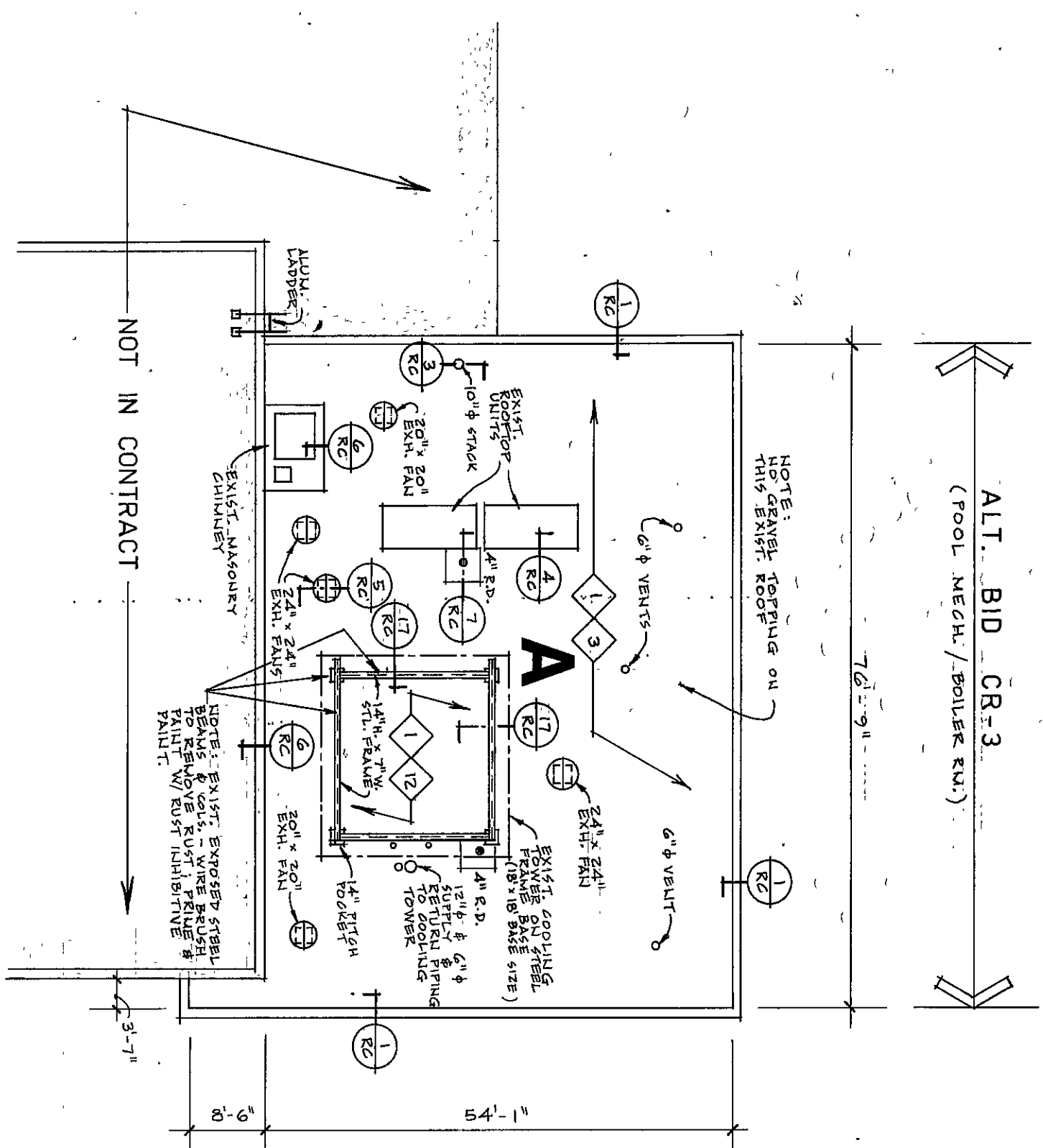
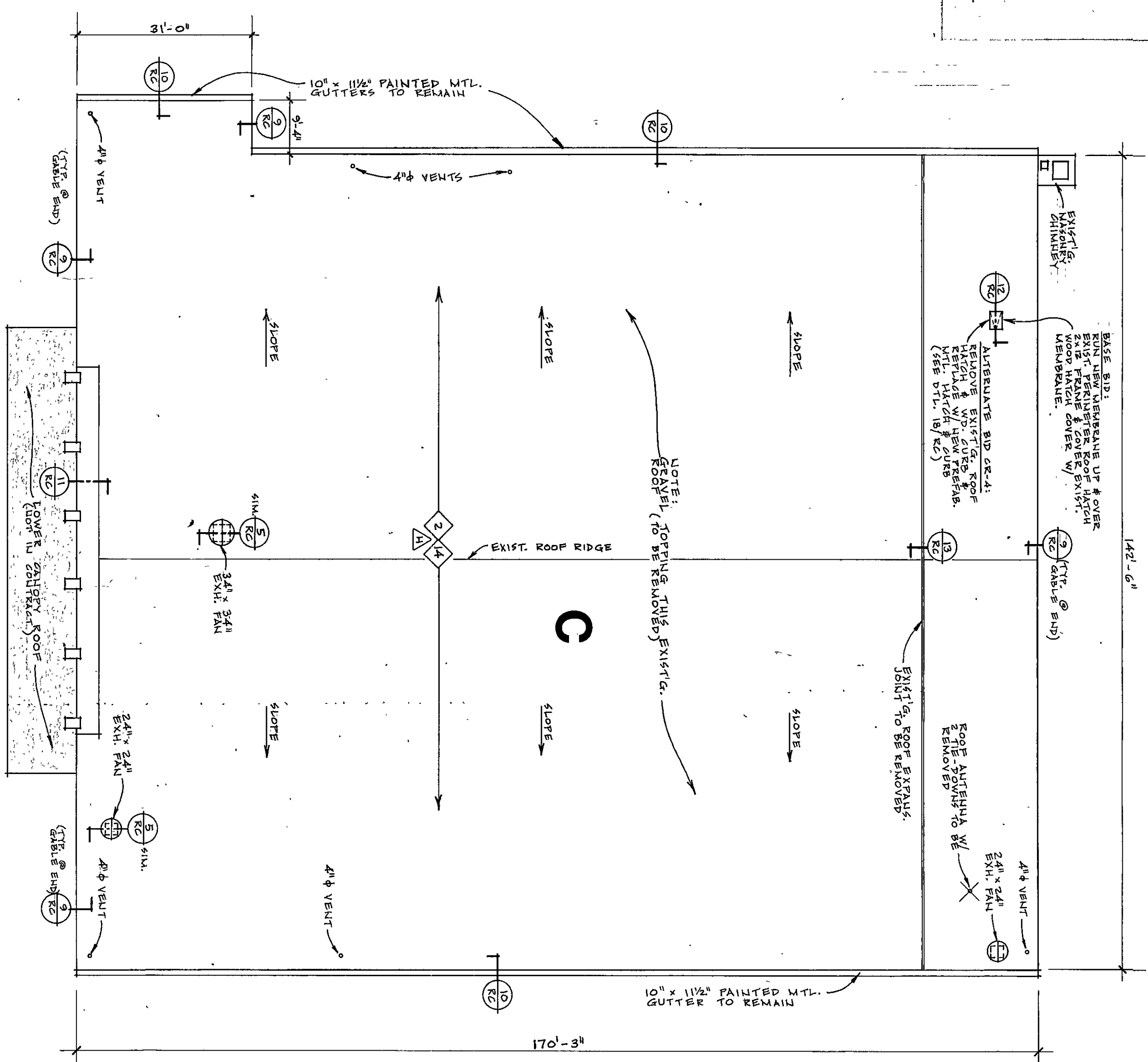




ROOF PLAN - AREA "A"
(POOL, MECH./BOILER ROOM)

ALTERNATE BID CR-3: POOL MECH. / BOILER ROOM



ROOF PLAN - AREA "C"

- CHESTERION HIGH SCHOOL ROOF NOTES**
- Remove existing metal flashing/or drip edge.
 - Remove existing roof hatch & replace with new prefab. metal hatch & roof curb. (Alt. Bid CR-3).
 - Raise existing vent & fan curbs if req'd. as shown to maintain min. 8" ht. above new roof.
 - Remove existing roof mtd. antennas & guy-wires.
 - Remove existing gravel stop & 2 x 10 fascia. Install new 2 x 10 fascia cover w/new 2-piece prefin. metal gravel stop/fascia cover.
 - Remove existing pitch pockets.
 - Remove existing roof expansion joint (gymnasium roof) before installing new insulation & membrane roofing.
 - Generally: Power sweep off existing ballast where shown & cut out major blister areas.

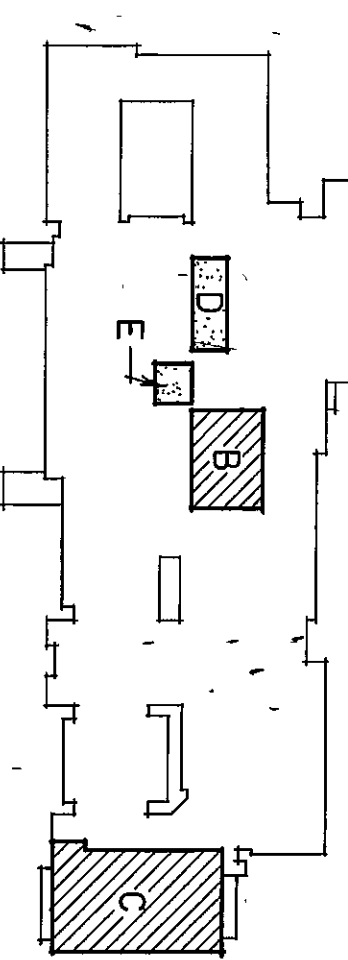
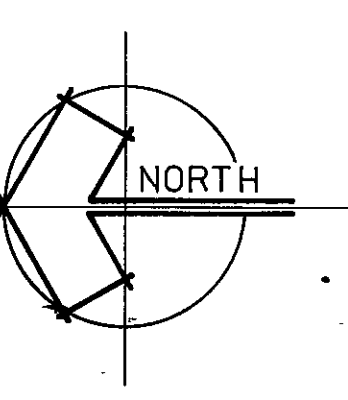
- SPECIFIC NOTES**
- New single-ply .045" membrane roofing (ballasted).
 - New single-ply .060" membrane roofing (adhered).
 - New 2" faced isocyanurate insulation over ballasted roof area. Adhere or fasten insulation in place to hold position (Ballasted Membrane System).
 - New 2" faced isocyanurate insulation over entire area. Fasten thru new 2" insulation to existing 1-1/2" metal roof into existing 1-1/2" metal deck w/Manville premium corrosion resistant ultra-fast self-tapping screws w/galvanized metal washers. Screws to be spaced at 12" on center or closer per each 2 s.f. of roof area to fully comply w/1-90 wind uplift requirements. (ADHERED MEMBRANE SYSTEM).
 - New treated blocking nominal 1" x 6" thicknesses as detailed. Spike or screw to existing construction for 1-90 uplift rating.
 - New flashing strip bonded per Mfr's recommendations.
 - New .040" prefinished MTL (g CHS Gymnasium) or stainless steel (g CHS Pool/Boiler Room) drip edge or flashing as detailed with concealed clips.
 - New metal dam extension to raise pitch pockets. Maintain min. 2" above new roof.
 - New SPM pre-molded pipe flashing.
 - Field molded pipe flashing.
 - Stainless steel clamping ring.
 - New 3/4" isocyanurate insulation.
 - Cont. SPM anchor bar.
 - New 2" faced isocyanurate insulation over entire area. Fasten thru new 2" insulation to existing 1-1/2" metal roof into existing 1-1/2" metal deck w/Manville premium corrosion resistant ultra-fast self-tapping screws w/galvanized metal washers. Screws to be spaced at 12" on center or closer per each 2 s.f. of roof area to fully comply w/1-90 wind uplift requirements. (ADHERED MEMBRANE SYSTEM).

- GENERAL NOTES:**
- Also see roofing Spec. Section 750 for typical details on pipe flashing, pitch pockets, parapets, roof vents, etc. (These details may vary somewhat per Mfr's.)
 - All details shown (except sheet metal coping & drip edge) will vary somewhat per Mfr's standard details.
 - Existing Conditions: Conditions shown of drawings are given to assist bidders in preparing their proposal. These details approximate existing configurations & dimensions & will vary somewhat in the field. It remains the contractor's responsibility to verify the accuracy of the existing conditions to his own satisfaction.

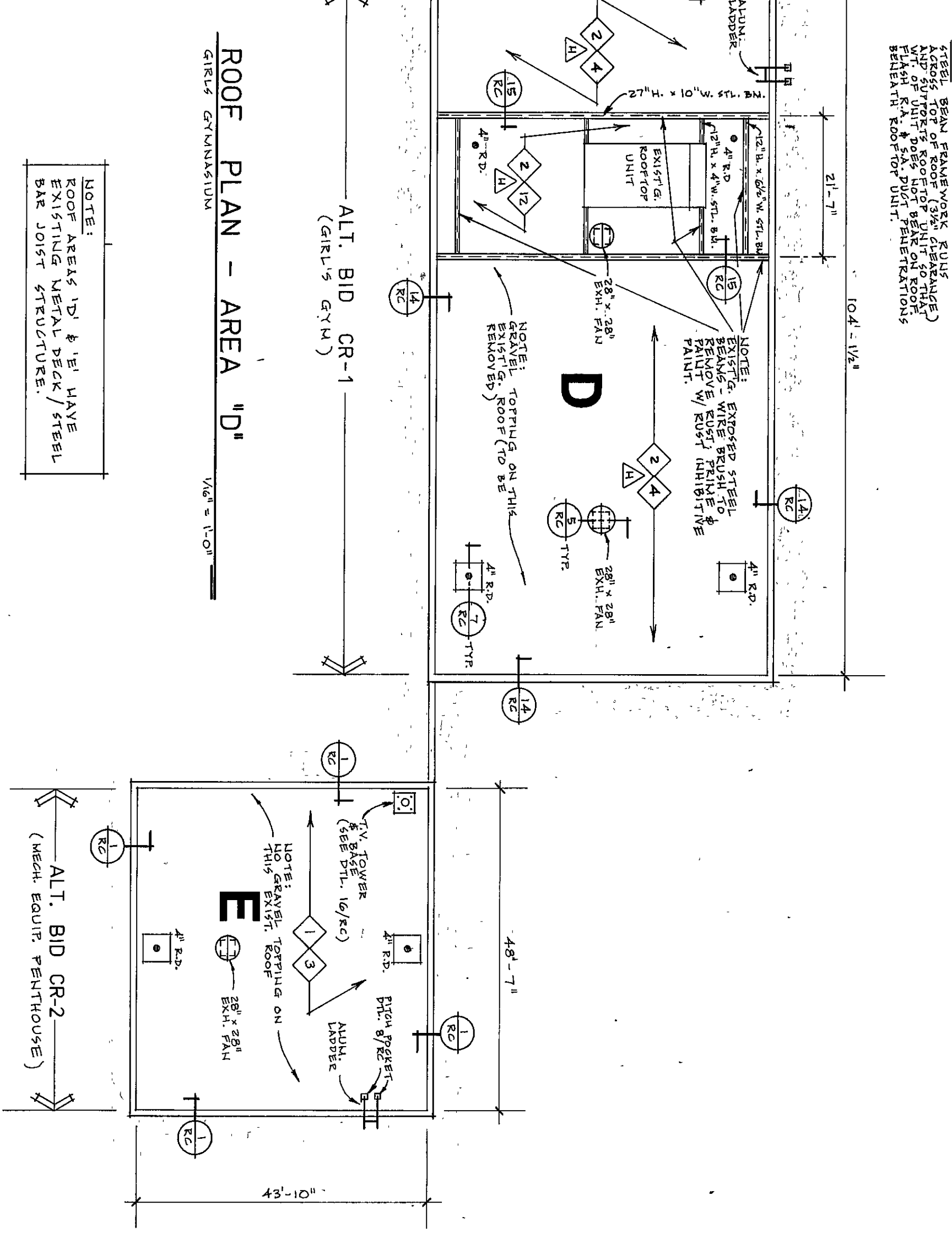
NOTE:
Install prefabricated roofing vents (Manville FP-10 or equal) compatible with rubber roof system being used at the rate of one vent per every 1000 s.f. of roof area over entire flat reroofing area per CR-1 and CR-2. If those Alternate areas should be included.

NOTE:
DIMENSIONS SHOWN ON PLANS ARE GIVEN TO ASSIST BIDDERS IN PREPARING THEIR CHESTERION H.S. REROOFING PROPOSALS. DIMENSIONS MAY VARY SOMEWHAT WHEN CHECKED IN THE FIELD AND CONTRACTOR'S RESPONSIBILITY TO VISIT THE PROJECT AND ASCERTAIN ACTUAL EXISTING CONDITIONS AND DIMENSIONS TO HIS OWN SATISFACTION PRIOR TO SUBMITTING HIS BID PROPOSAL.

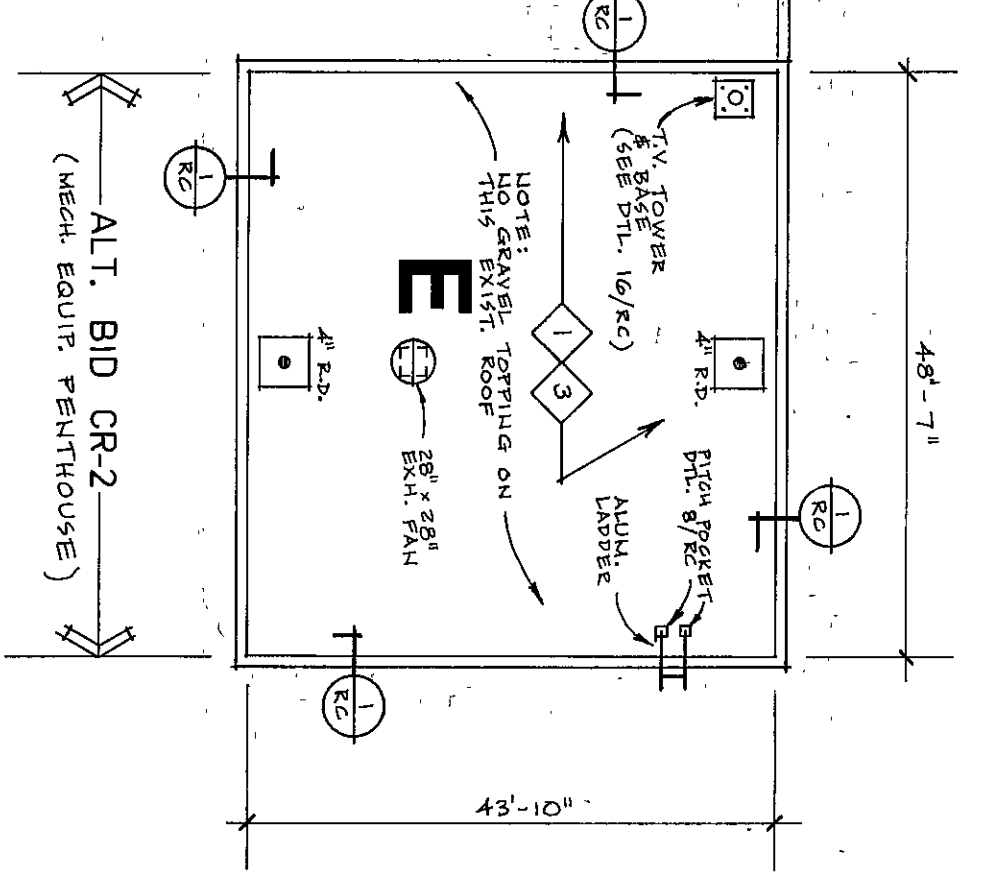
SEE ACCOUNTING DUNELAND SCHOOL CORP. SUMMER 1991
REWORKING DETAILS AND SECTIONS, SECTION "C" FOR



KEY PLAN

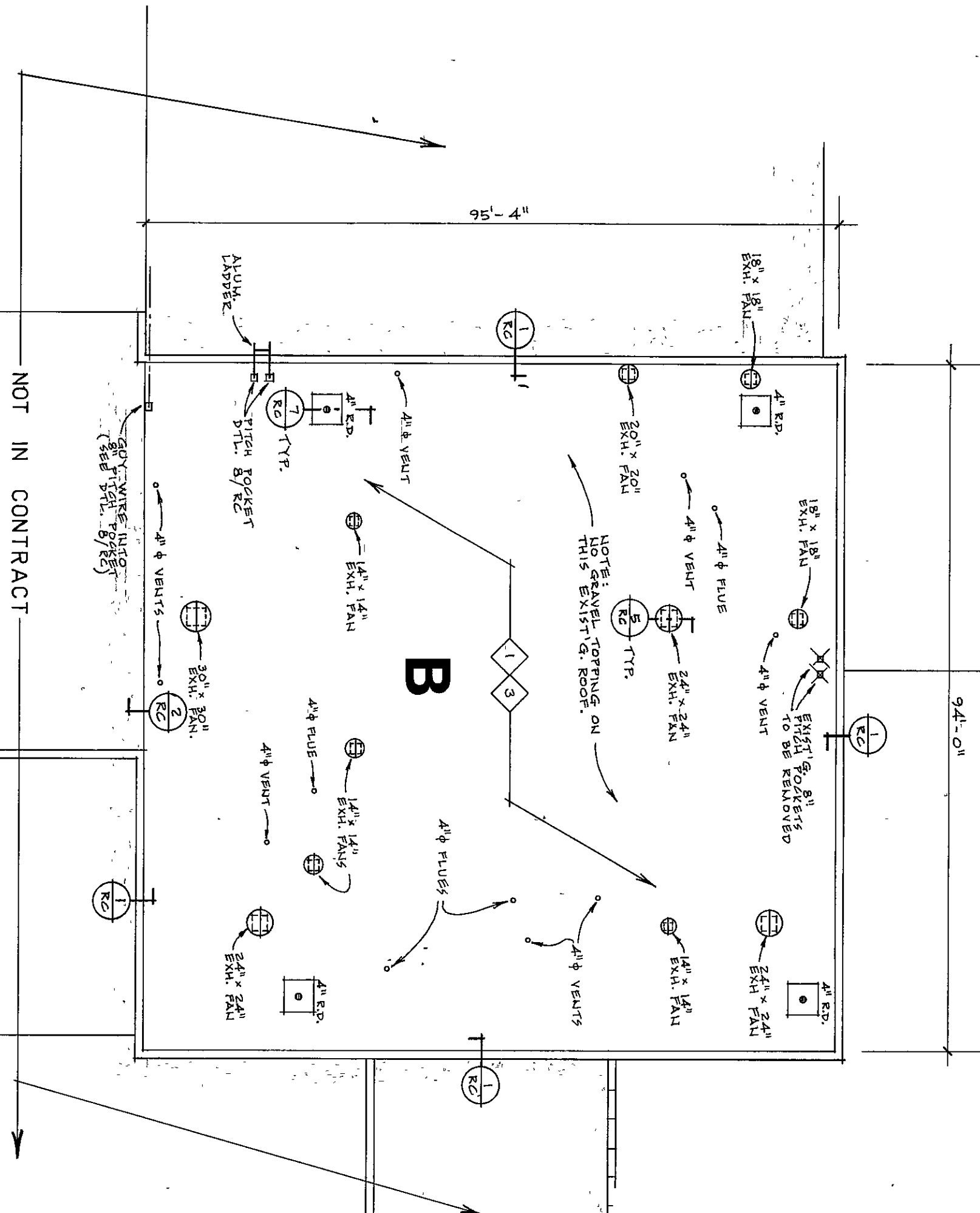


ROOF PLAN - AREA "D"



ROOF PLAN - AREA "E"

ALTERNATE BIDS CR-1 & CR-2: GIRLS GYM & MECH. EQUIP. PENTHOUSE



ROOF PLAN - AREA "B"