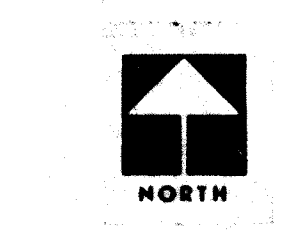
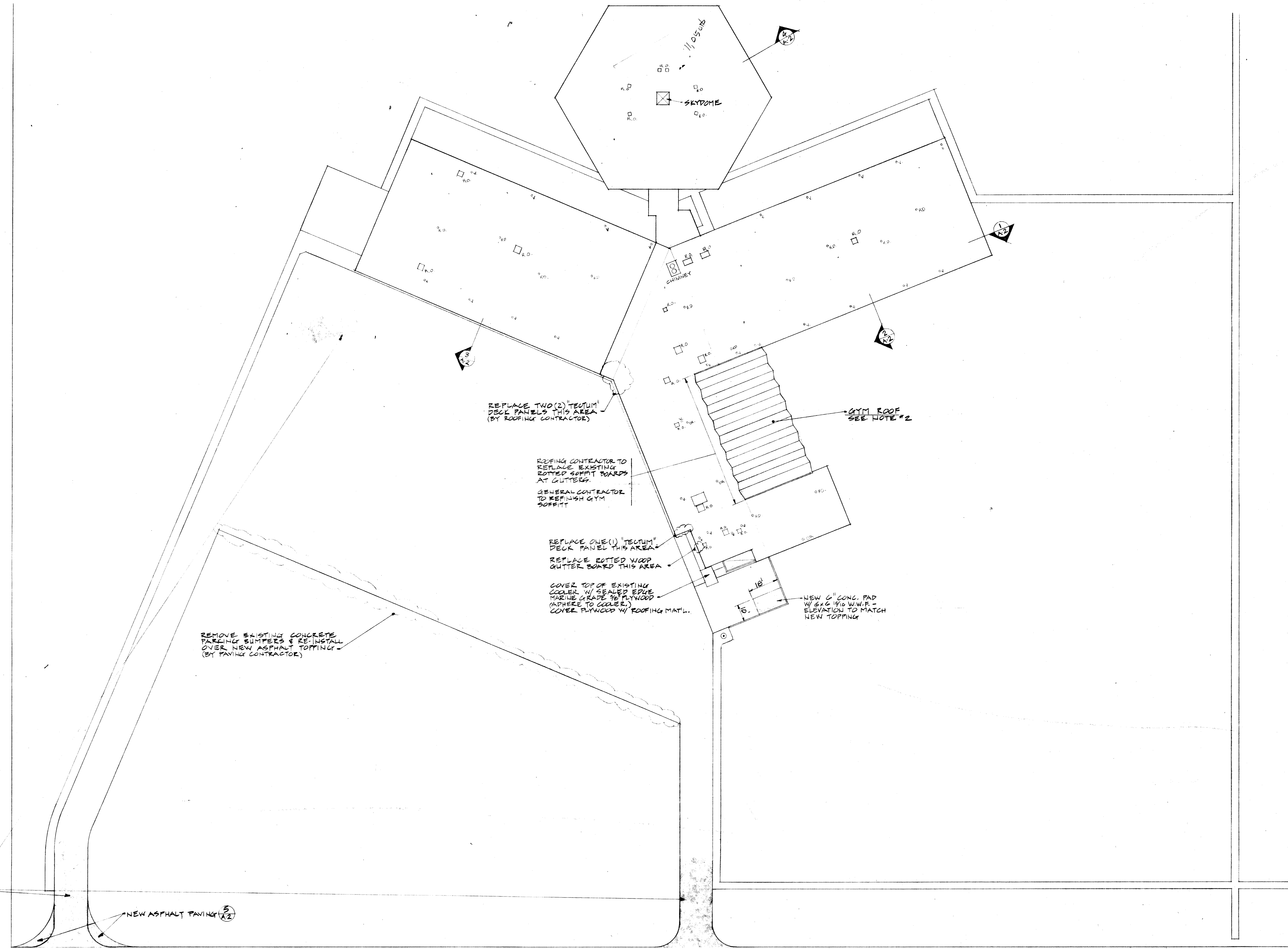
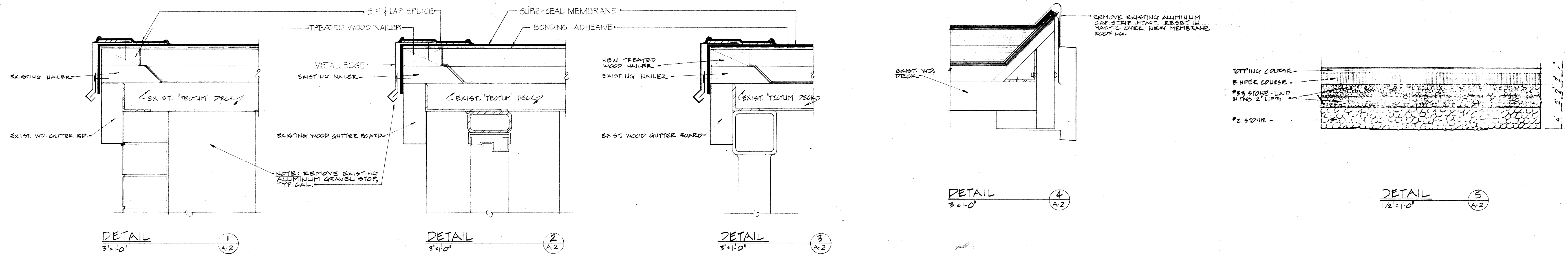


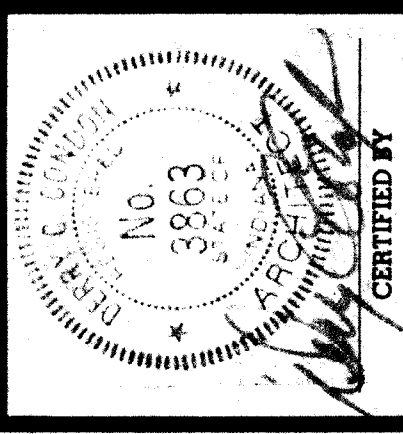
**ROOF & PAVING PLAN**  
 SCALE: 1" = 20'



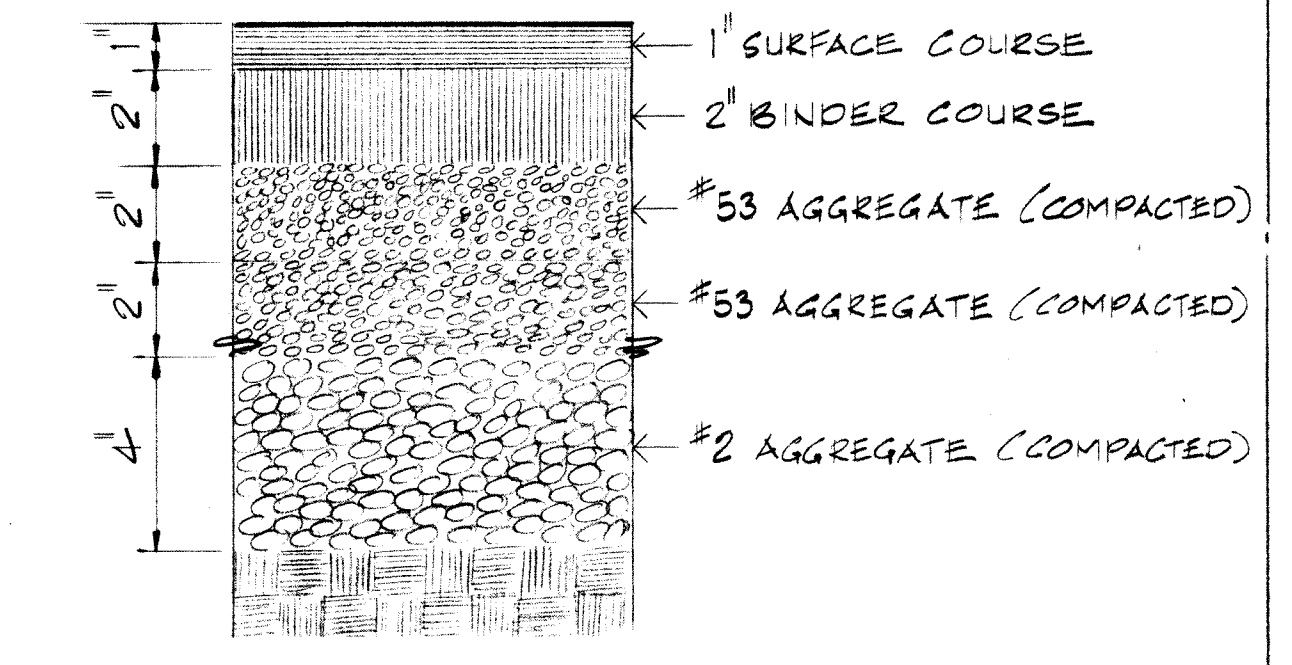
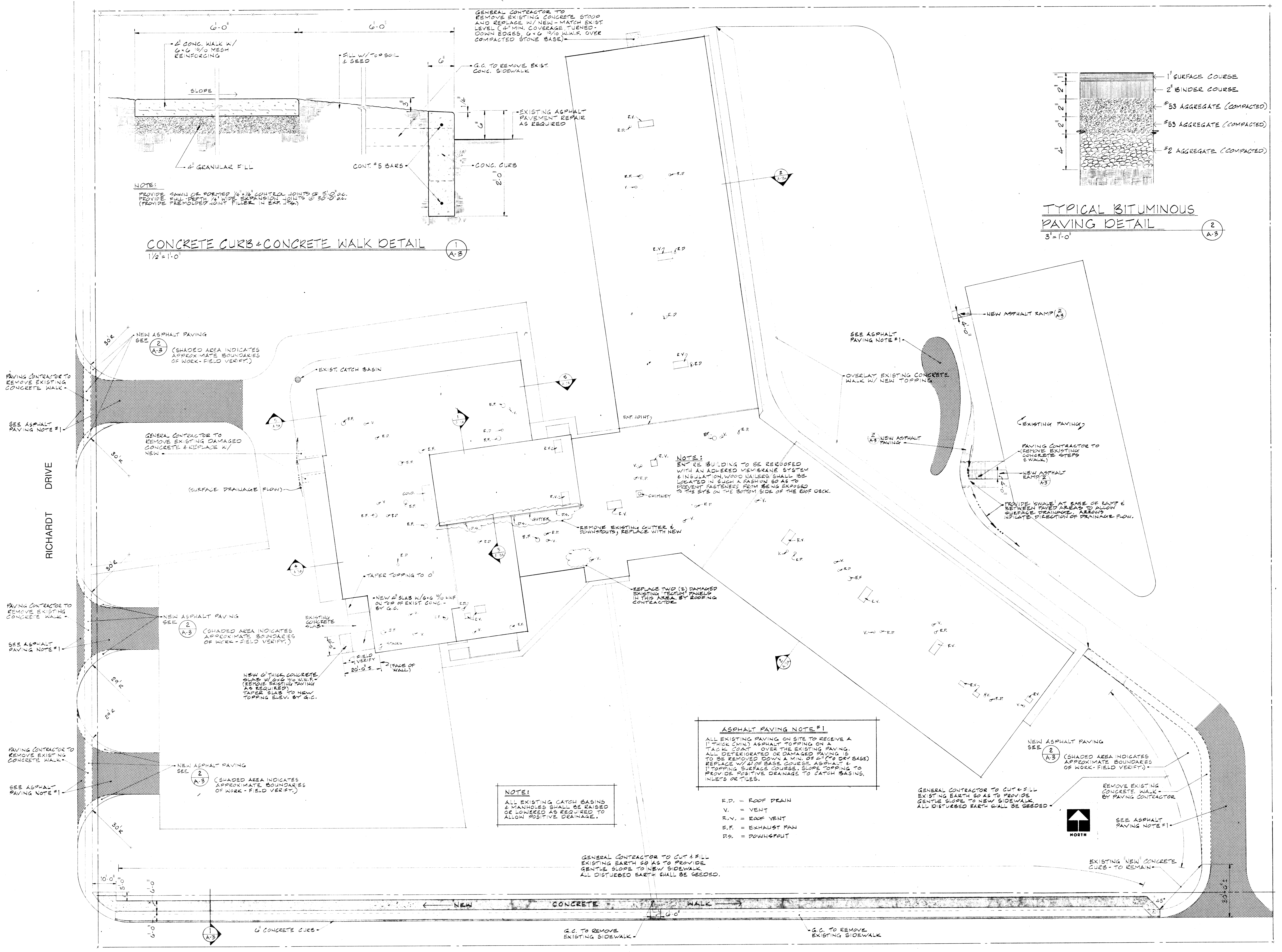


- NOTES:**
1. ALL EXISTING PAVING TO RECEIVE A 1" THICK (MINIMUM) ASPHALT TOPPING ON A TACK COAT OVER THE EXISTING PAVING. ALL DEGRADED OR DAMAGED PAVING IS TO BE REMOVED DOWN A MIN. OF 2" (2 PLY BASE). REPLACE W/ 4" OF BASE COURSE ASPHALT & 1" TOPPING SURFACE COURSE. SLOPE TOPPING TO PROVIDE POSITIVE DRAINAGE.
  2. ENTIRE BUILDING TO BE RE-ROOFED WITH AN "ADHERED" (NON-BALLASTED) MEMBRANE SYSTEM. GYMnasium ROOF TO RECEIVE A "HYPALON" COLOR COATING.
  3. ROOF KEYS: DR. OR. OR ED - ROOF DRAINS  
V. - VENT  
E.O. - ROOF OPENING
  4. ALL EXISTING GUTTER BOARDS TO BE REPAINTED BY C.C.

NO.	DATE	REVISIONS / DESCRIPTION



ROOF PLAN / PAVING PLAN  
1 of 30



TYPICAL BITUMINOUS PAVING DETAIL  
 3'-1'-0" (2) (A-3)

NOTE:  
 PROVIDE 1/2\"/>

CONCRETE CURB & CONCRETE WALK DETAIL  
 1/2\"/>

NOTE:  
 ENTIRE BUILDING TO BE ROOFOFF WITH AN ADHERED MEMBRANE SYSTEM & INSULATION. WOOD BALERS SHALL BE LOCATED IN SUCH A MANNER SO AS TO PREVENT FASTENERS FROM BEING EXPOSED TO THE WIND ON THE BOTTOM SIDE OF THE ROOF DECK.

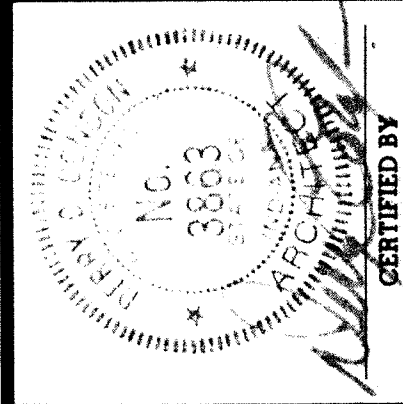
**ASPHALT PAVING NOTE #1**  
 ALL EXISTING PAVING ON SITE TO RECEIVE A 1\"/>

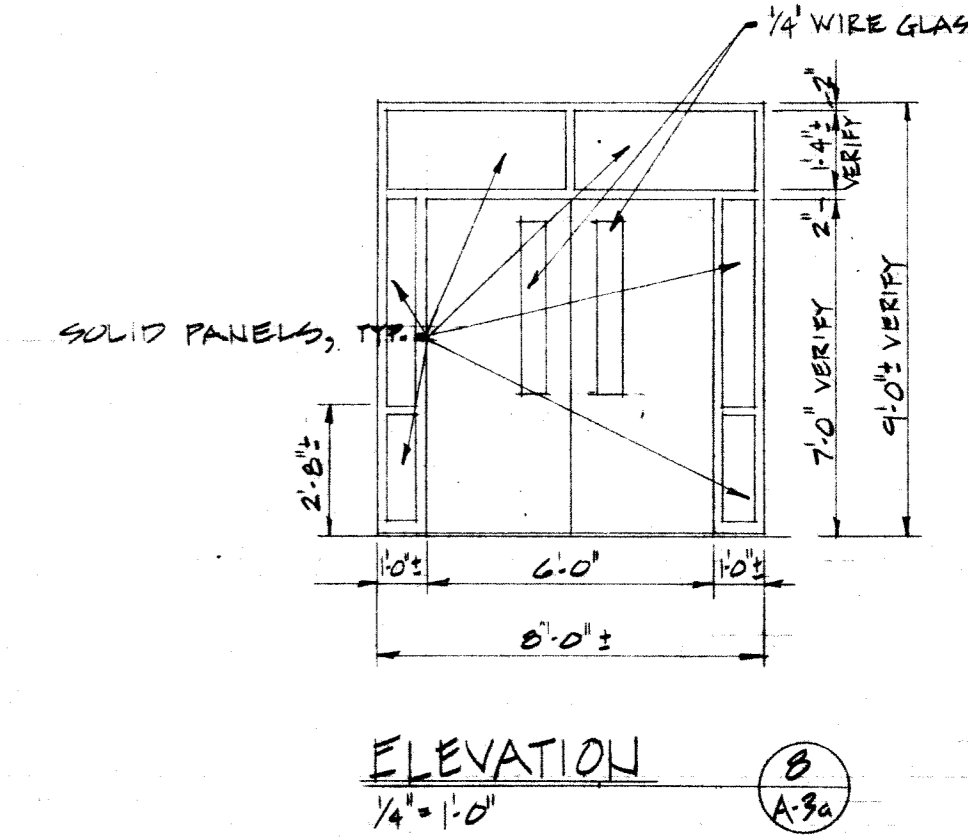
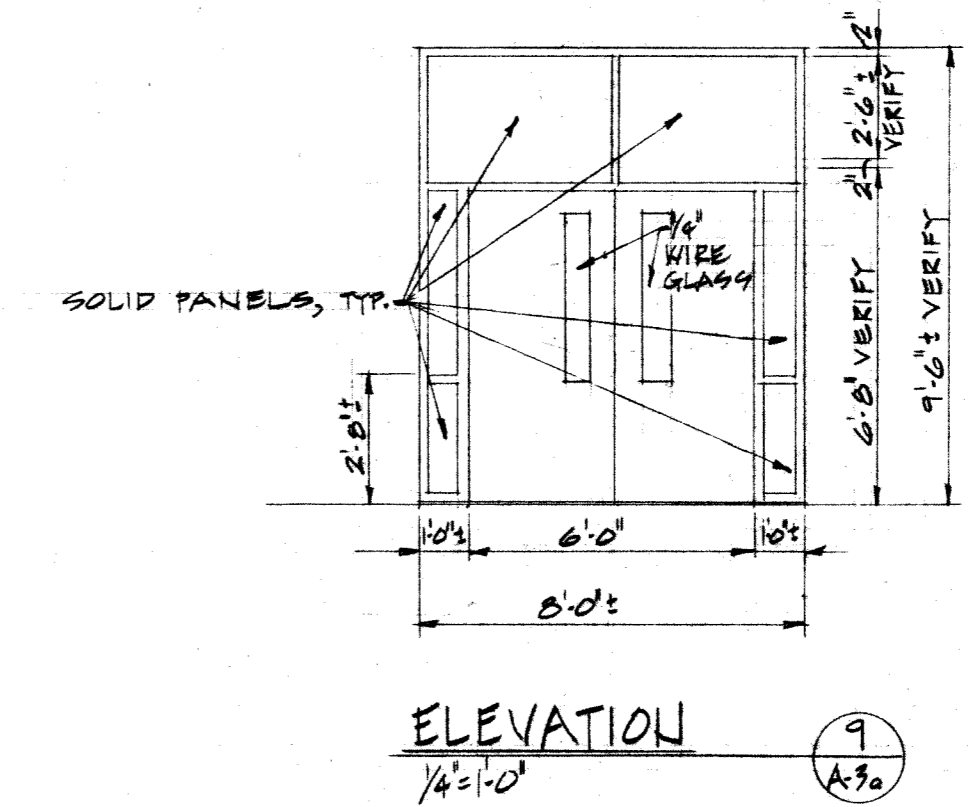
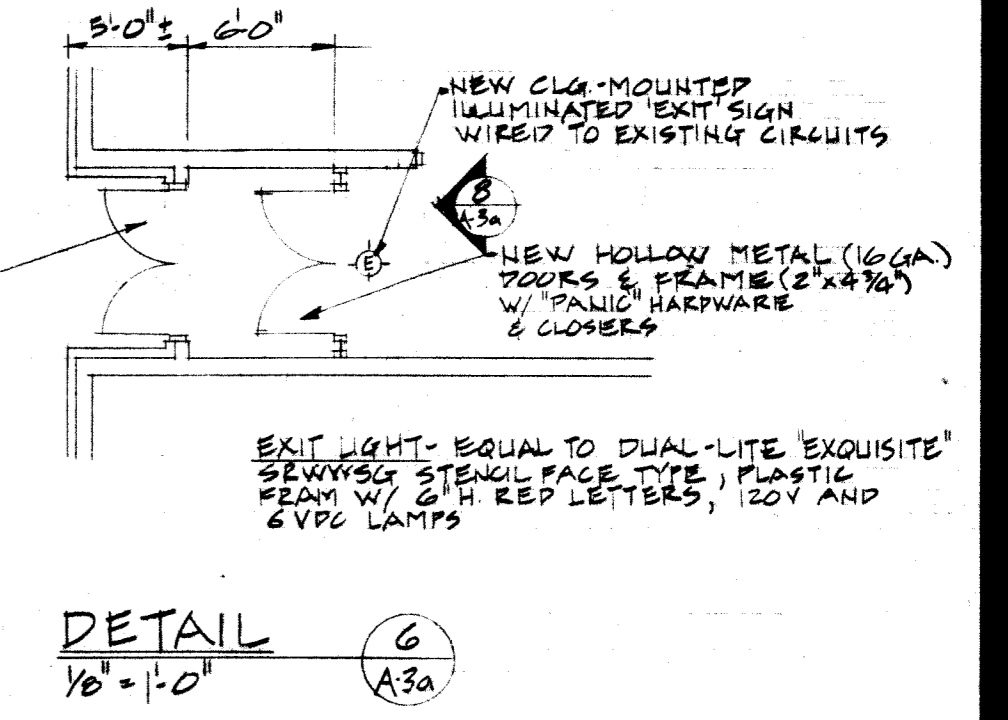
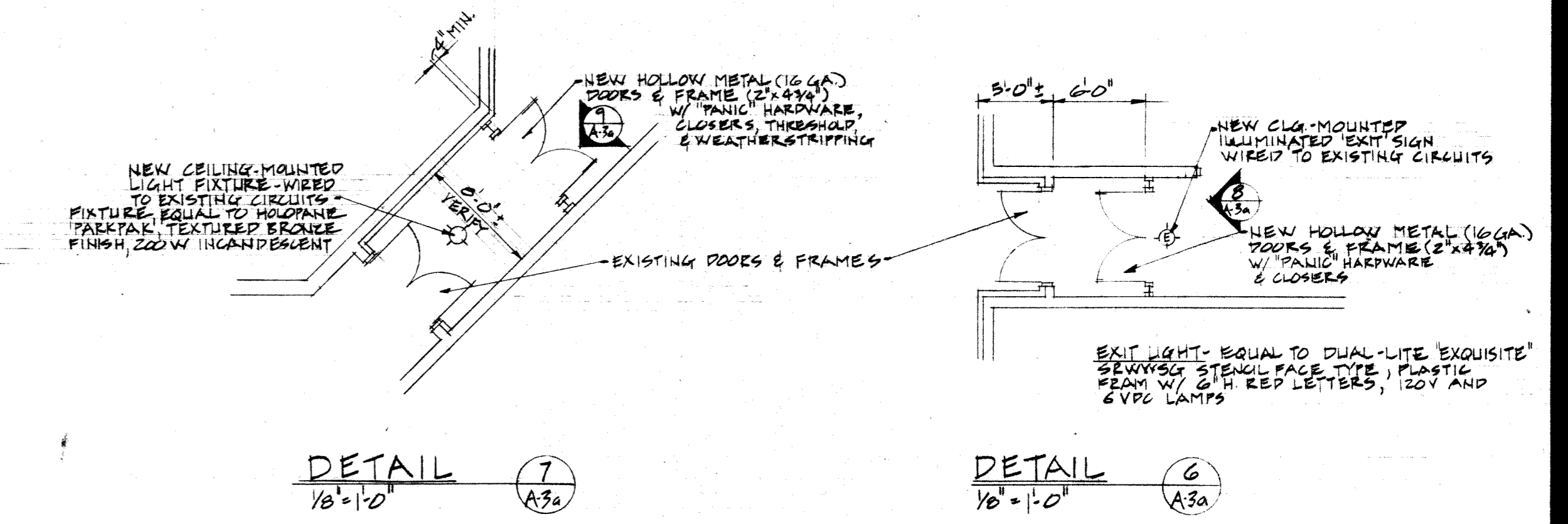
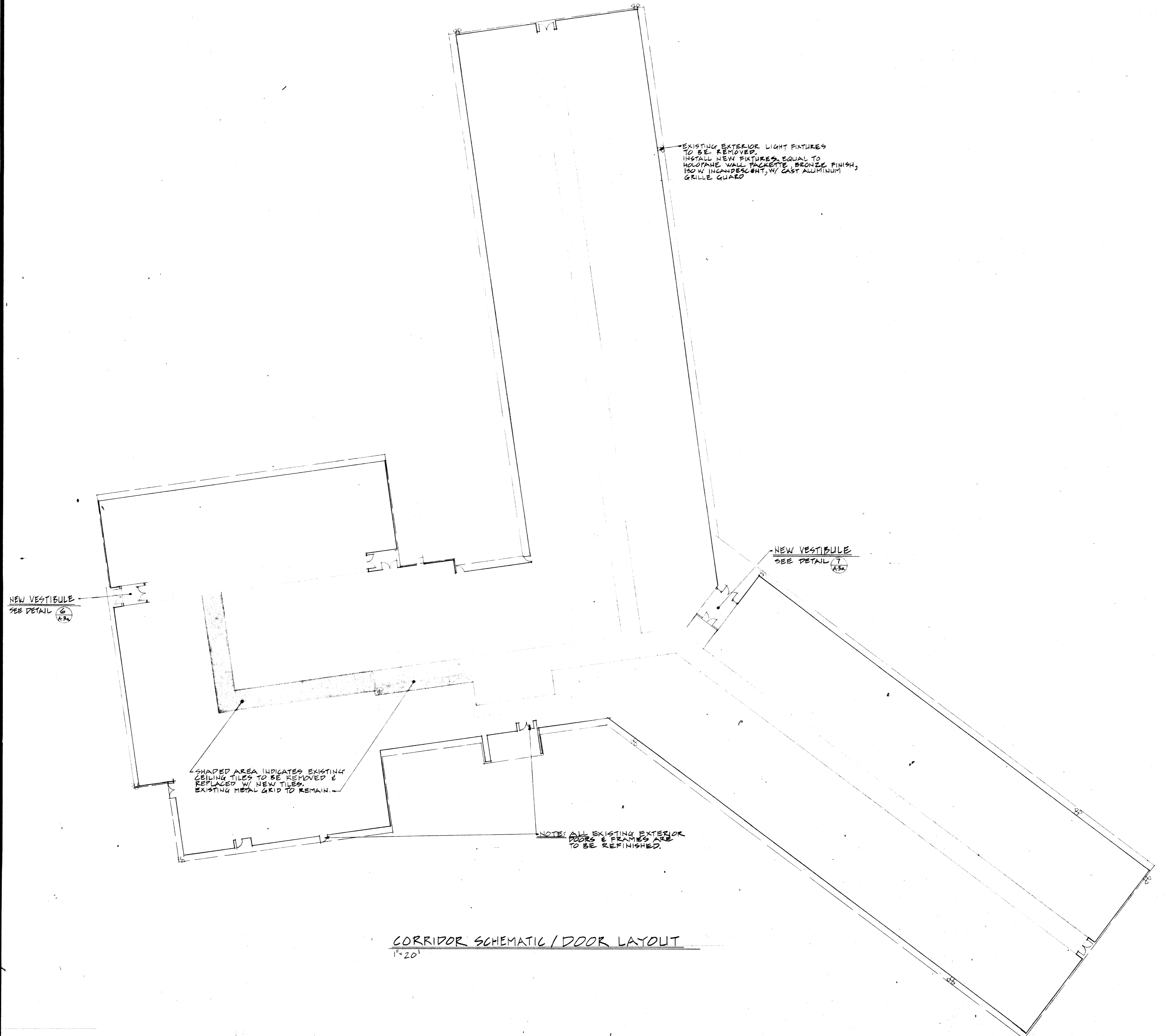
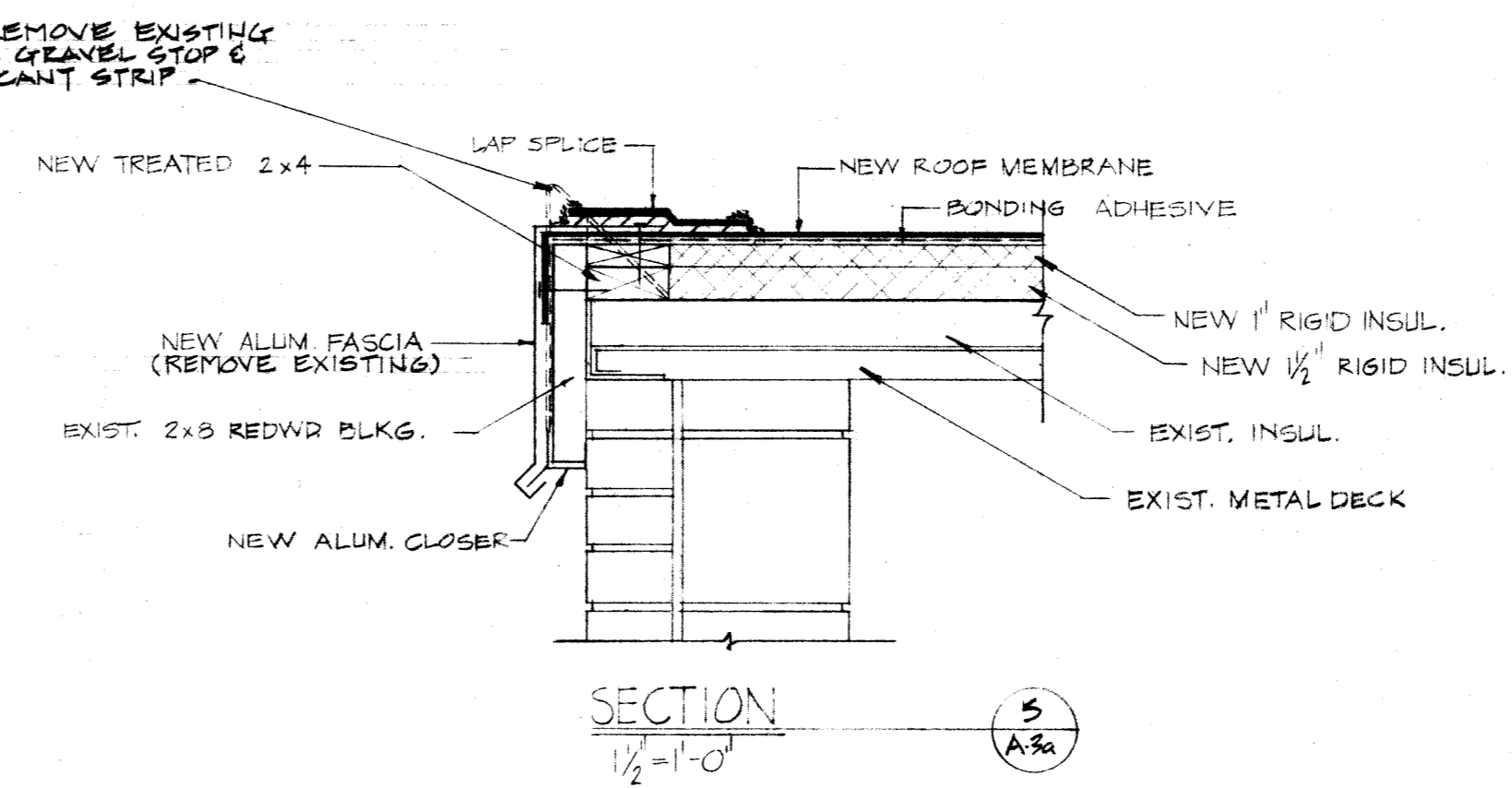
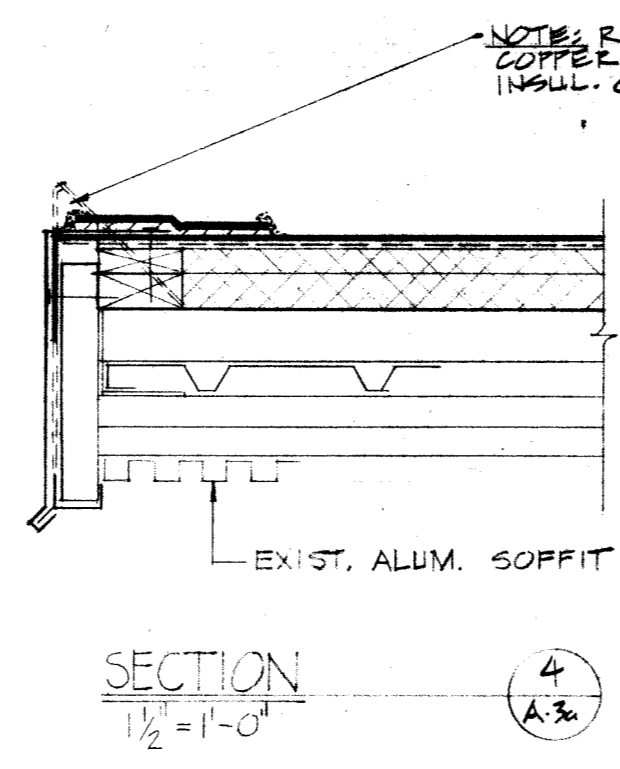
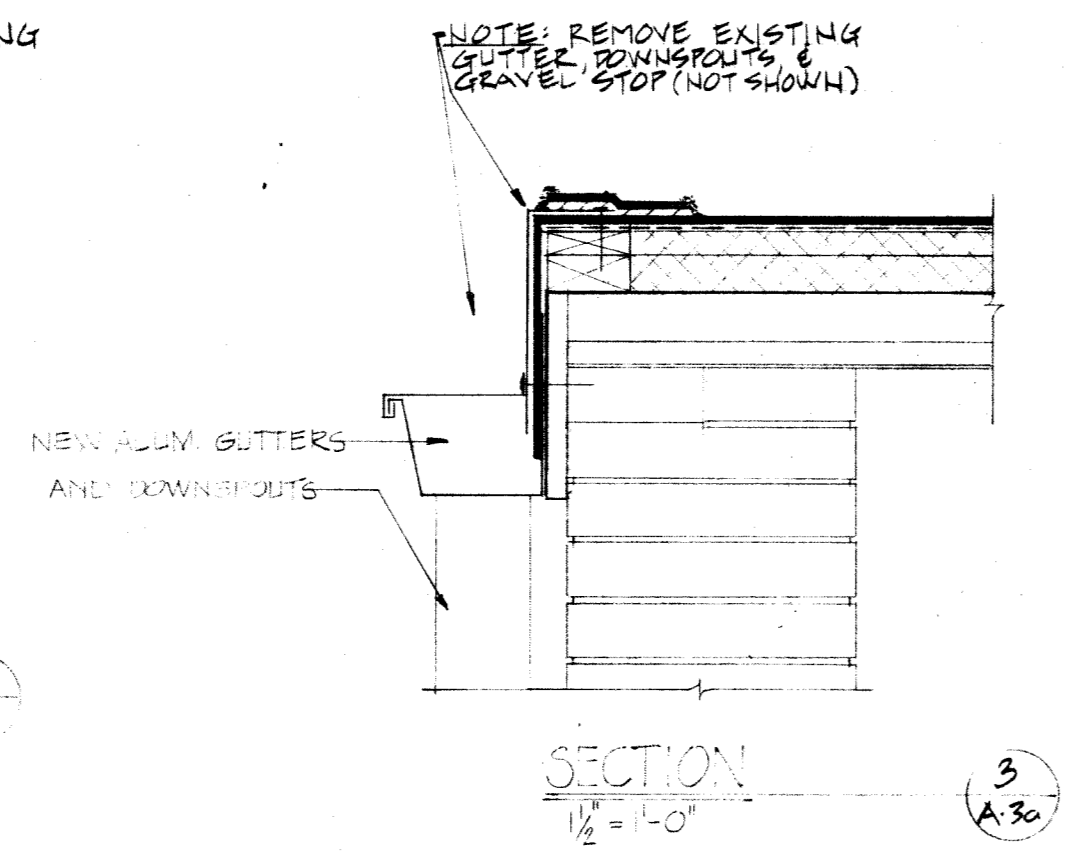
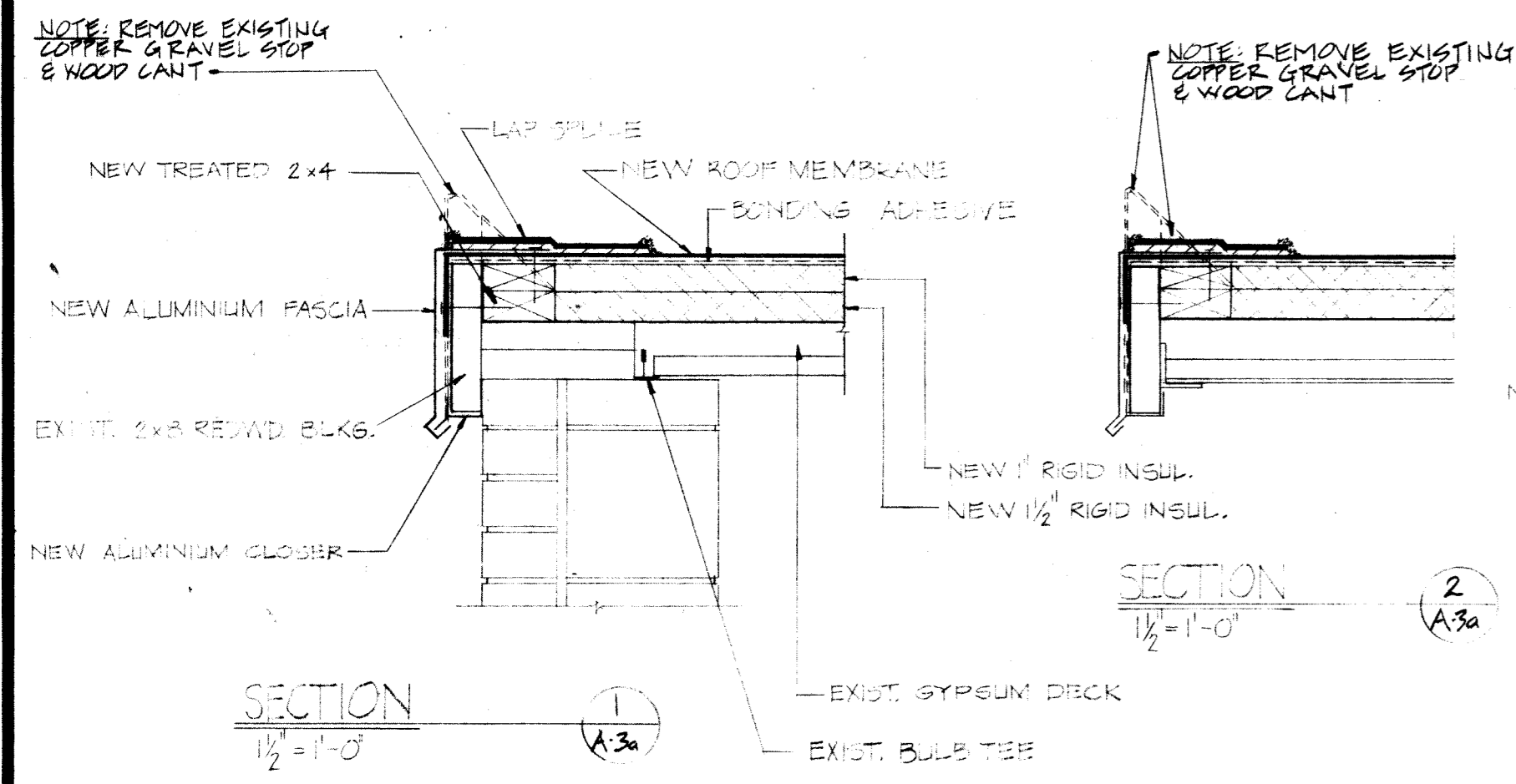
- R.D. = ROOF DRAIN
- V. = VENT
- R.V. = ROOF VENT
- E.F. = EXHAUST FAN
- D.S. = DOWNSPOUT

NOTE:  
 ALL EXISTING CATCH BASINS & MANHOLES SHALL BE RAISED OR LOWERED AS REQUIRED TO ALLOW POSITIVE DRAINAGE.

GENERAL CONTRACTOR TO CUT & FILL EXISTING EARTH SO AS TO PROVIDE GENTLE SLOPE TO NEW SIDEWALK. ALL DISTURBED EARTH SHALL BE SEED.

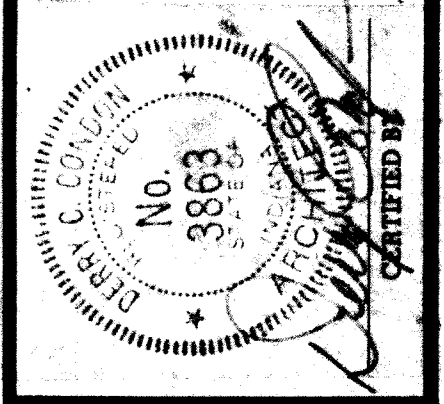
NO.	DATE	REVISIONS DESCRIPTION	COMM. NO.	DATE





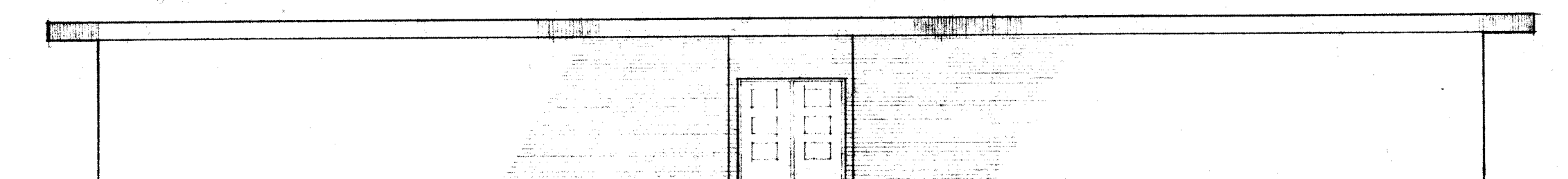
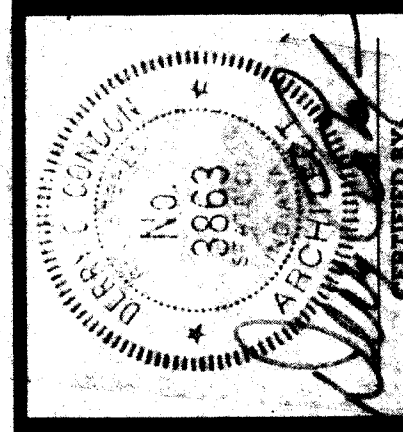
**WRIGHT PORTEOUS & LOWE INC.**  
ARCHITECTS: ENGINEERS  
HARRISON HILL ELEMENTARY SCHOOL

NO.	DATE	REVISIONS	DESCRIPTION	CONV. NO.	DATE	DRAWN BY	CHECKED BY
1	5/20						

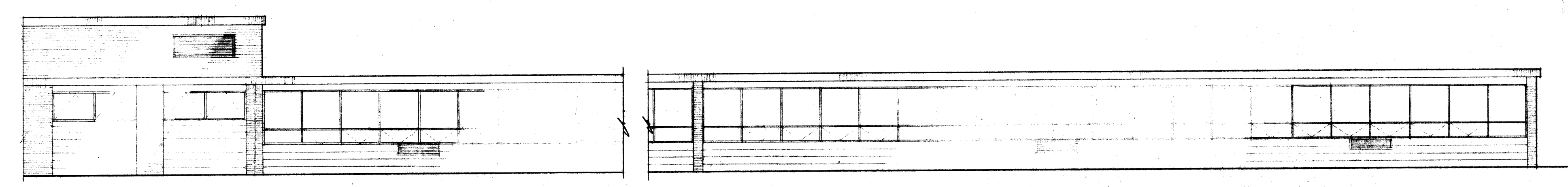


SHEET  
**A-3a**  
OF

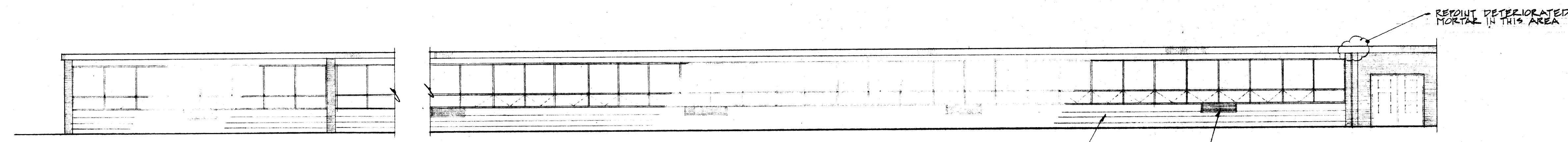
NO.	DATE	REVISIONS DESCRIPTION	CONTR. NO.	DATE	BY	CHECKED BY



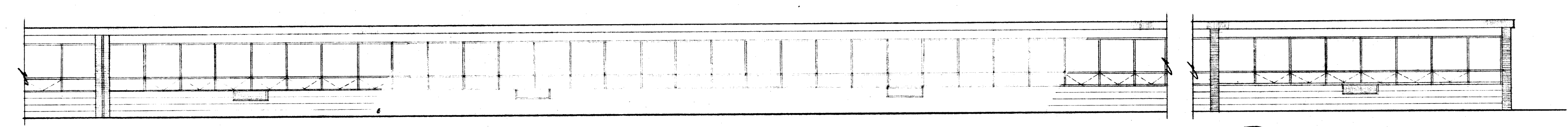
ELEVATIONS #1 & #4



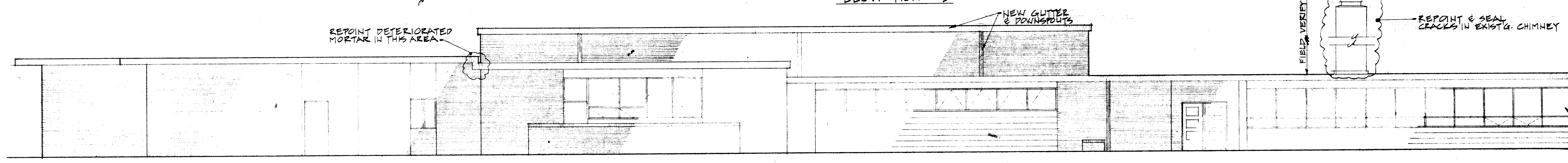
ELEVATION #2



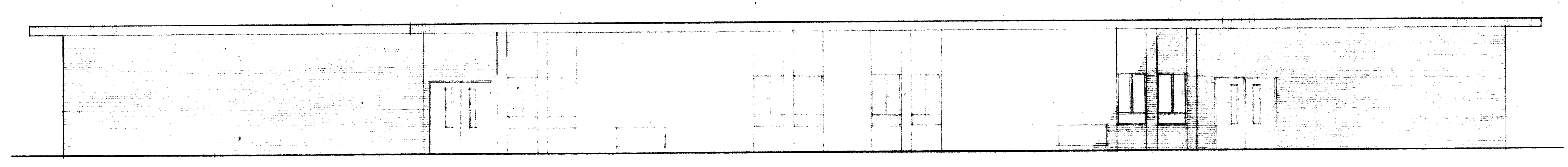
ELEVATION #3



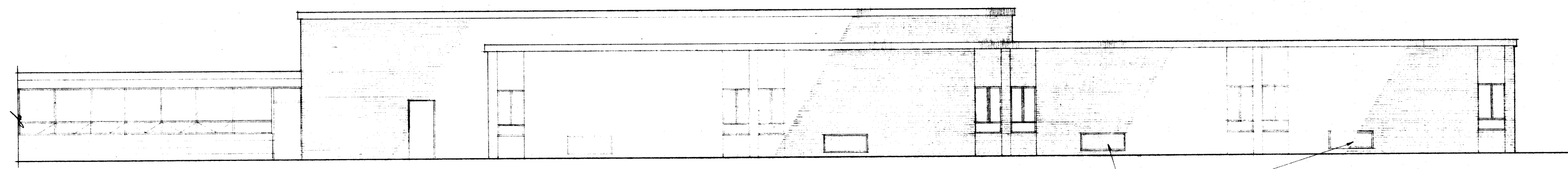
ELEVATION #5



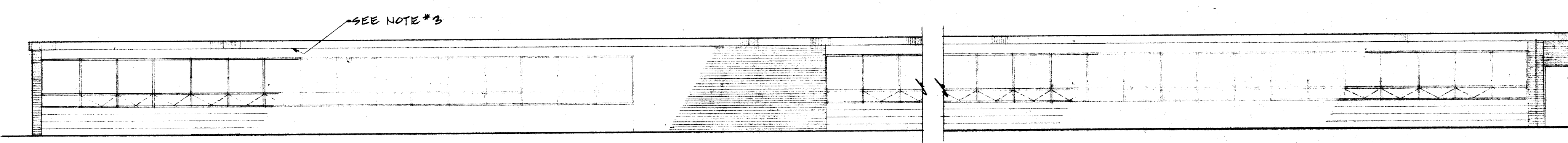
ELEVATION #6



ELEVATION #7

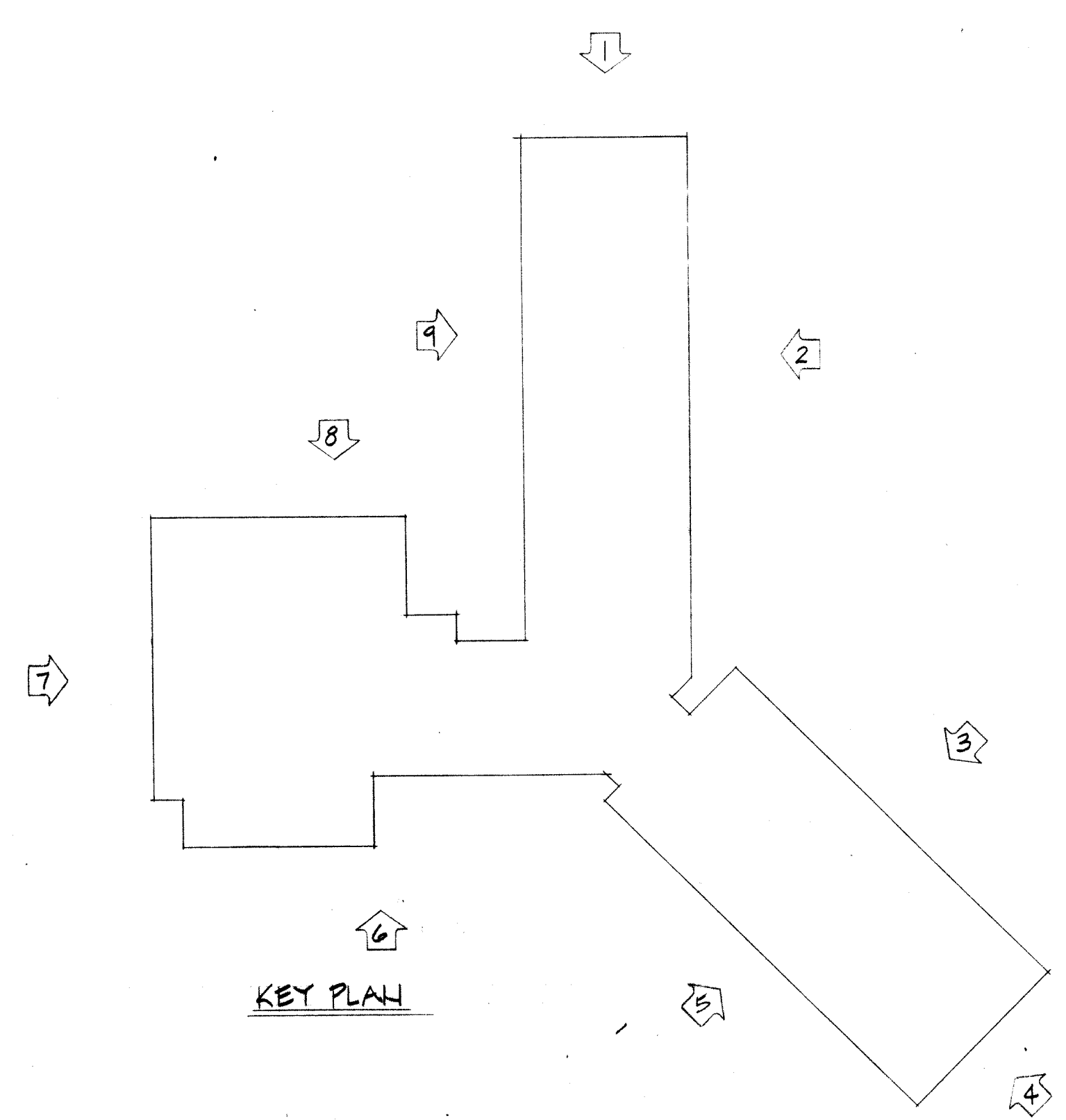


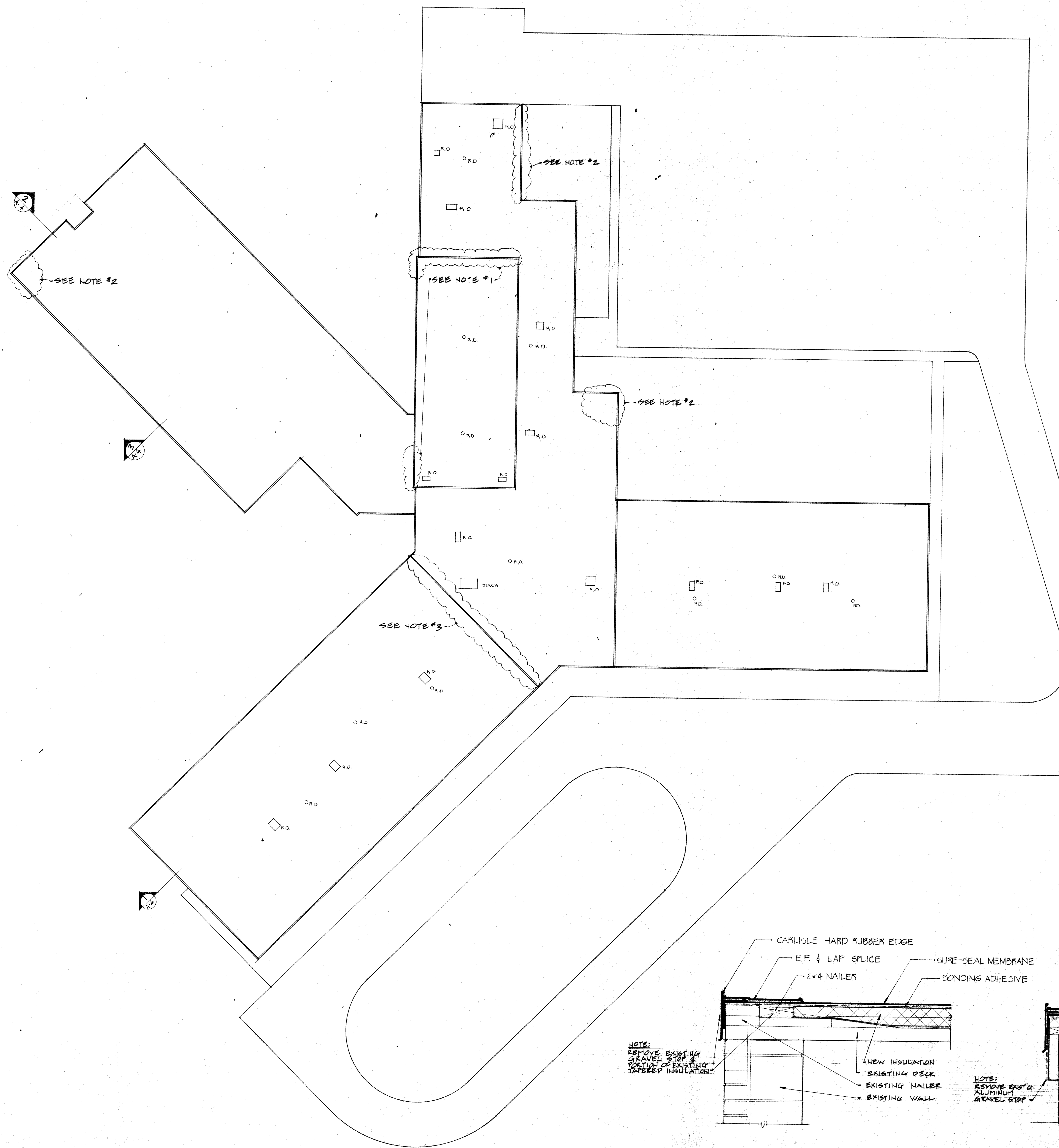
ELEVATION #8



ELEVATION #9

- NOTES:**
1. REMOVE & REPLACE ALL GLASS WINDOW SEALANT ONLY IN WINDOW UNITS THAT ARE "WET" GLAZED.
  2. REMOVE EXISTING & INSTALL NEW CAULKING IN ALL EXTERIOR LOUVERS.
  3. SPRESHINISH ALL "TRESTUM" DECK OVERHANGS & WOOD TRIM ABOVE WINDOWS.
  4. CLEAN & REPAINT ALL EXISTING BLOCK BELOW WINDOWS.





**NOTES:**

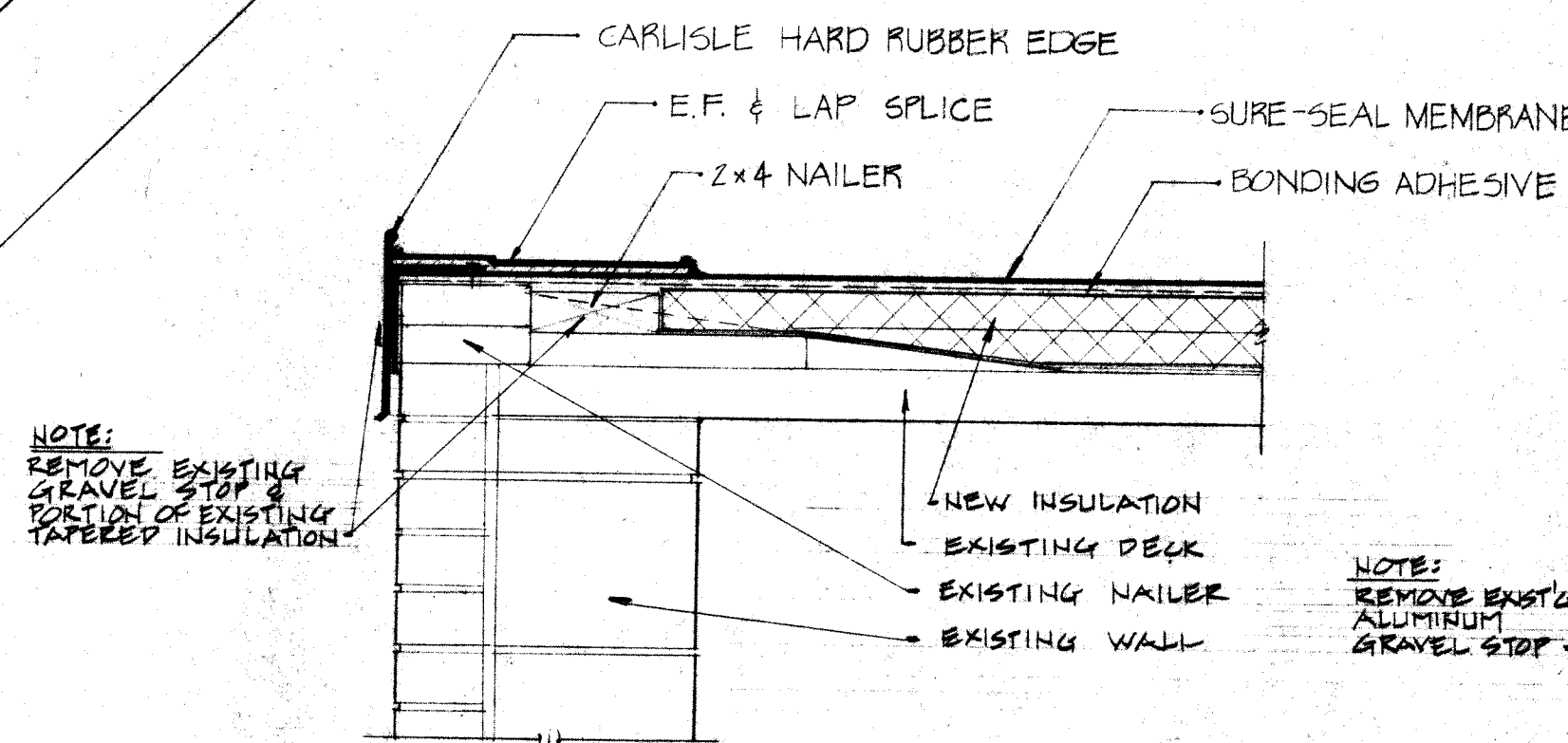
1. PATCH & REPAIR EXISTING FLASHING AT GYM ROOF WHERE INDICATED. ALSO PATCH & REPAIR EXISTING FLASHING WHERE GYM WALL MEETS BUILDING ROOF.
2. PATCH & REPAIR HOLE IN EXISTING ROOFING IN AREA INDICATED.
3. PATCH & REPAIR EXISTING FLASHING ALONG EXISTING EXPANSION JOINT.

**ALTERNATE A-1**

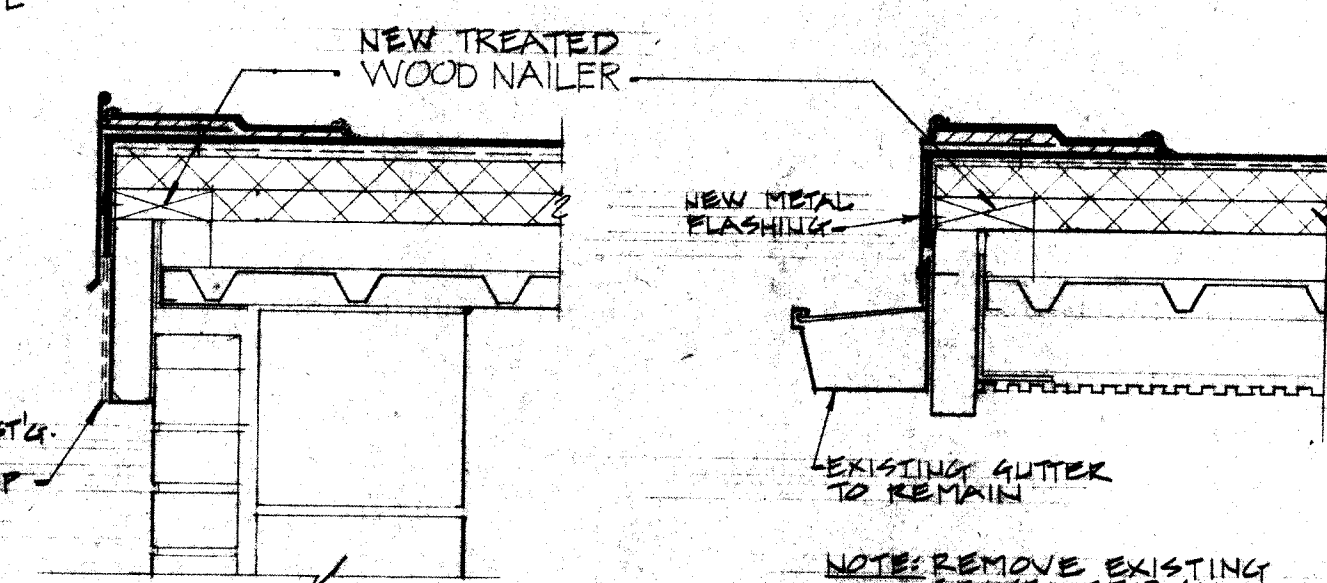
1. DISREGARD NOTES #1, 2, & 3 ABOVE.
2. RE-ROOF ENTIRE BUILDING USING 'ADHERED' MEMBRANE SYSTEM OVER NEW INSULATION. REFER TO DETAILS, THIS SHEET.

4. WOOD NAILES SHALL BE LOCATED IN SUCH A MASHION SO AS TO PREVENT FASTENERS FROM BEING EXPOSED TO THE EYE ON THE BOTTOM OF THE ROOF DECK.

ROOF PLAN  
1" = 30'



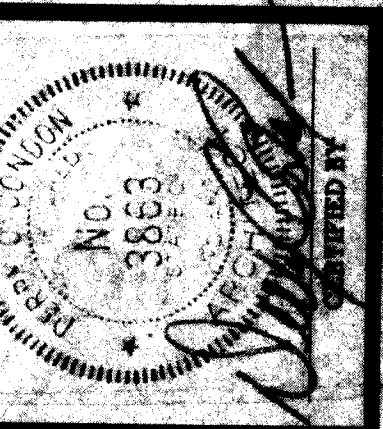
DETAIL 1  
1/2" = 1'-0" A-4



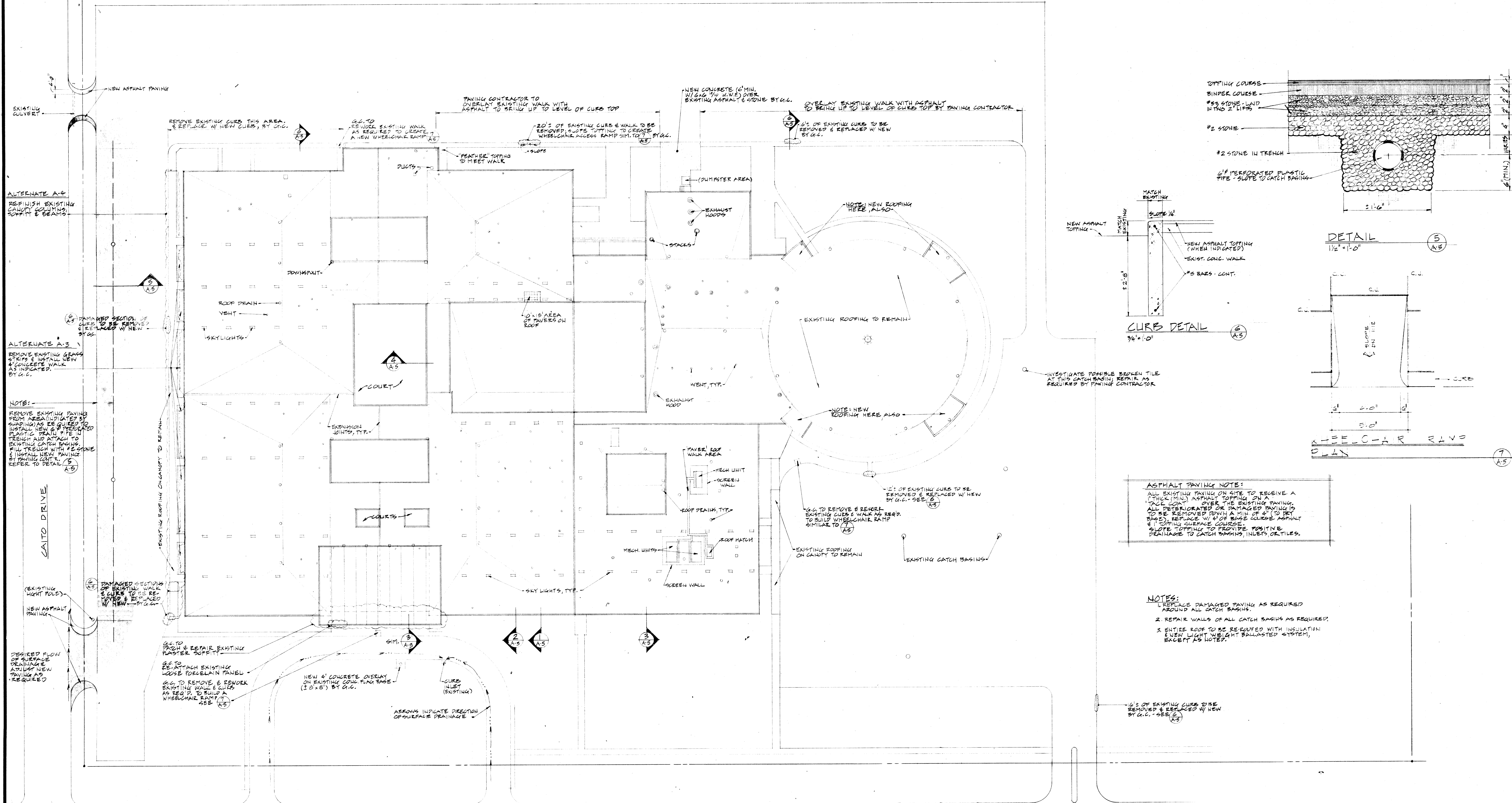
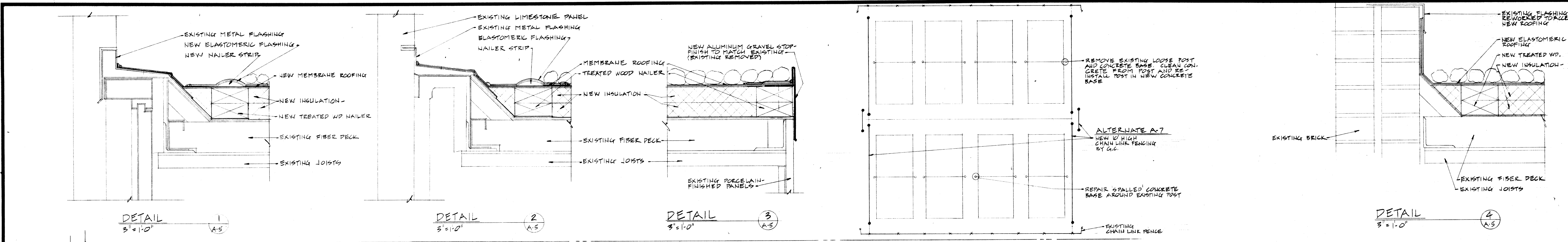
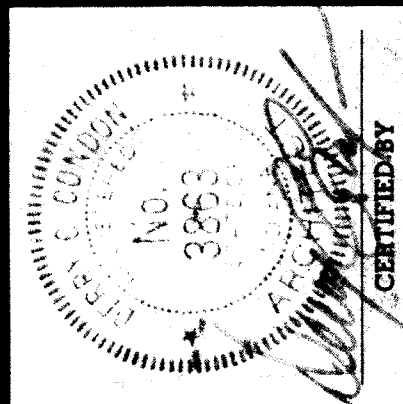
DETAIL 2  
1/2" = 1'-0" A-4

DETAIL 3  
1/2" = 1'-0" A-4

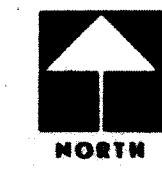
NO.	DATE	REVISIONS	DESCRIPTION	COMPL. NO.	BY	DATE

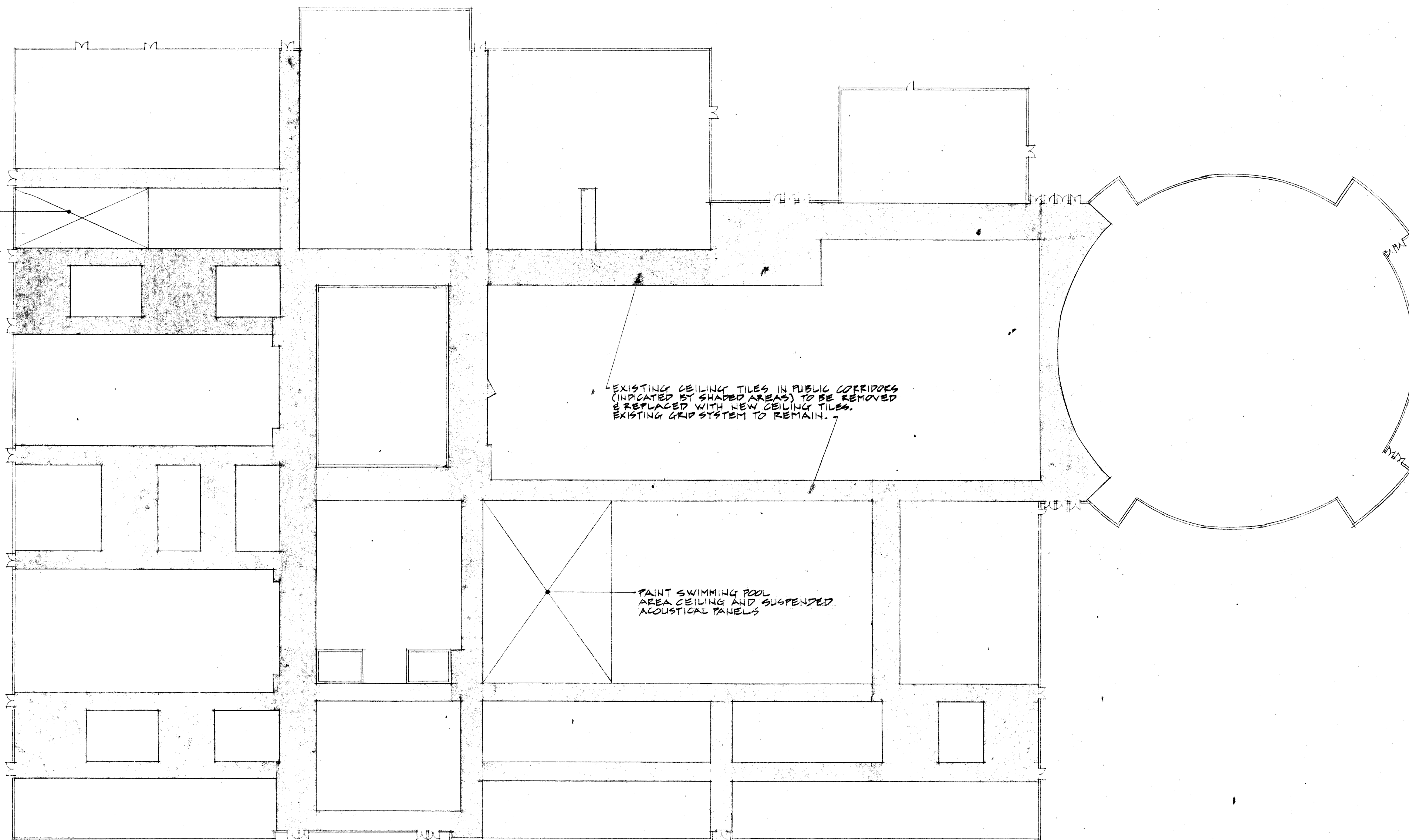


NO.	DATE	DESCRIPTION	BY	CHECKED BY



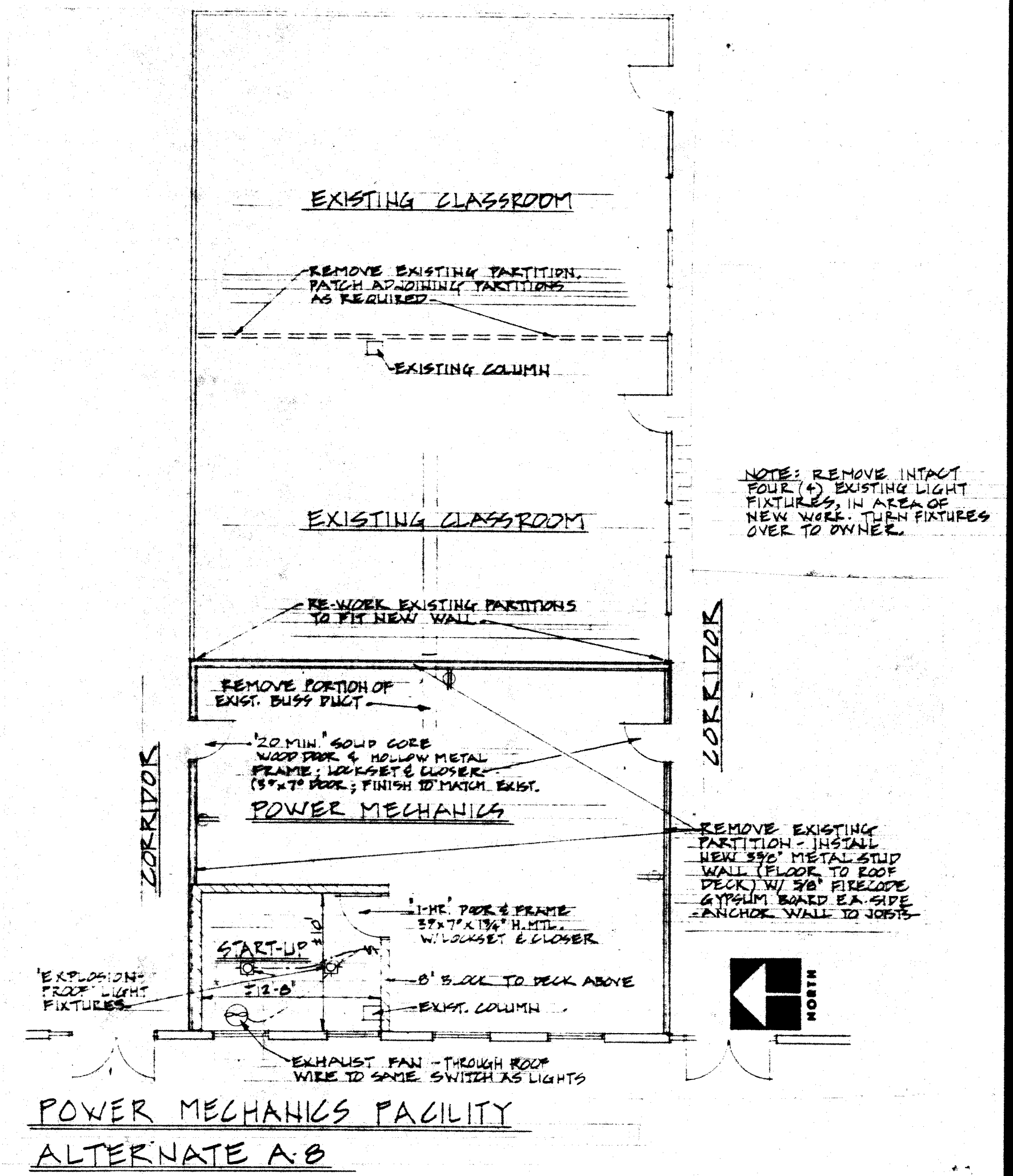
ROOF PLAN / PAVING PLAN  
 1" = 40'





CORRIDOR SCHEMATIC / DOOR LAYOUT PLAN

1" = 40'



POWER MECHANICS FACILITY  
ALTERNATE A.B

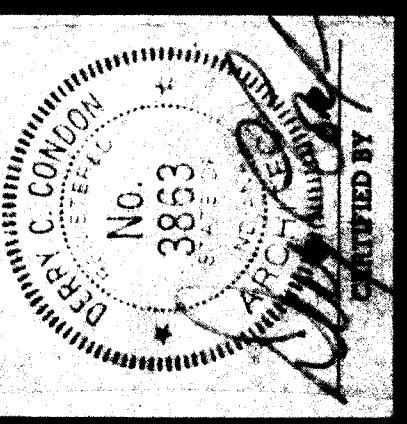
NOTE: ALL MECHANICAL & ELECTRICAL WORK IS TO BE PERFORMED BY THE GENERAL CONTRACTOR.

LIGHT FIXTURES: EQUAL TO CROUSE-HINDS® EVOL 2 1/2' EXPLOSION PROOF FIXTURE W/ GUARD 180/200 WATT  
EXHAUST FAN: EQUAL TO FENN MODEL PFF-45 600 CFM @ 1/2\"/>

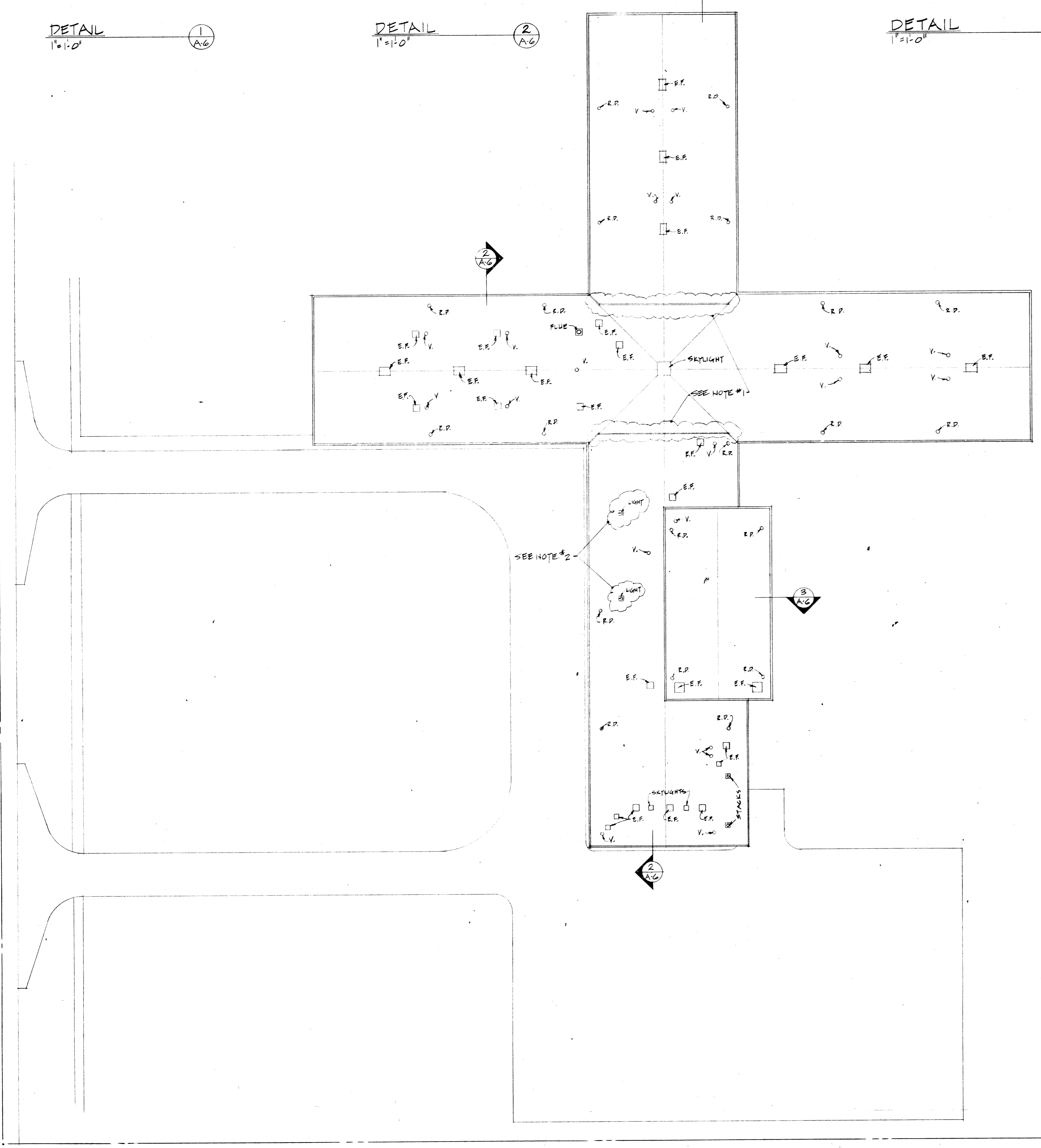
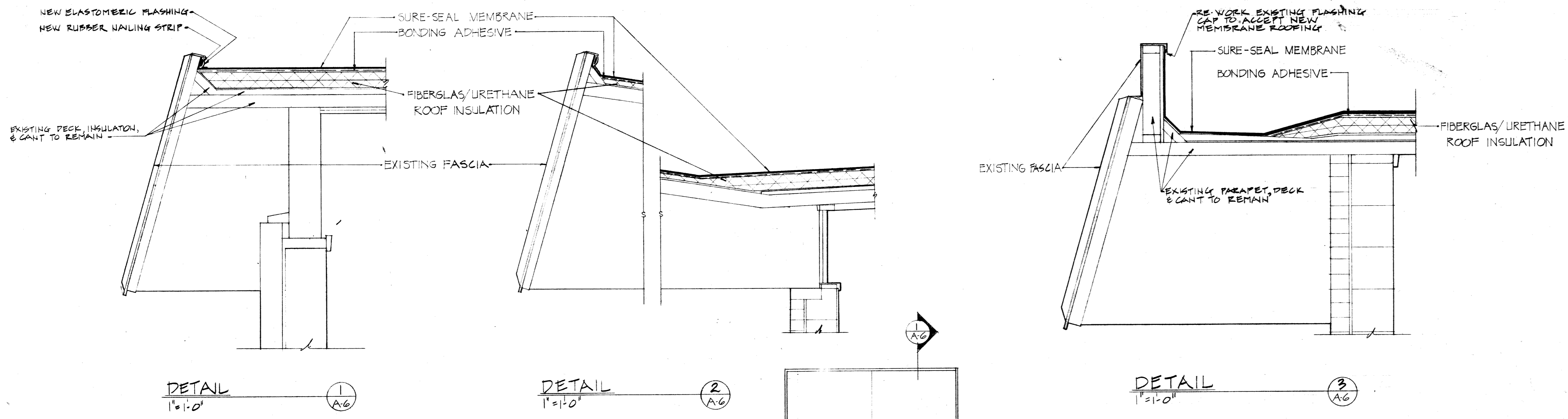
FINISHES: (COLORS TO MATCH EXISTING)  
MASONRY - BRICK PAINT  
WOOD - PAINTED  
PARTITIONS - VINYL WALL COVERING ON CORRIDOR SIDE  
BRICK PAINT ON ROOM SIDE

EXISTING PARTITIONS ARE TO BE REMOVED INTACT & TURNED OVER TO OWNER.

NO.	DATE	REVISIONS DESCRIPTION	CONTR. NO.	DATE







**NOTES:**  
 1. PATCH & REPAIR EXISTING ROOFING & FLASHING ALONG EXPANSION JOINTS.  
 2. PATCH & REPAIR LEAKS AROUND ROOF MOUNTED LIGHTS.  
 3. R.P. = ROOF DRAIN; V. = VENT; E.P. = EXHAUST PAN

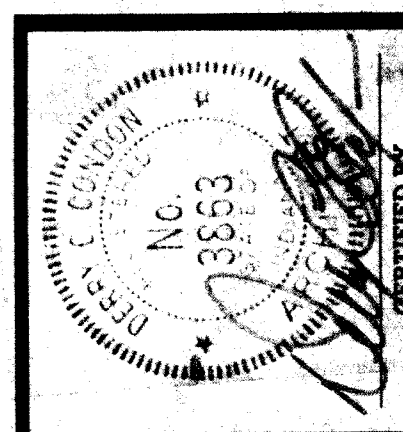
**ALTERNATE A-2**  
 DISREGARD NOTES #1 & 2. RE ROOF ENTIRE BUILDING WITH AN ADHERED MEMBRANE SYSTEM. SEE DETAILS THROUGHT.

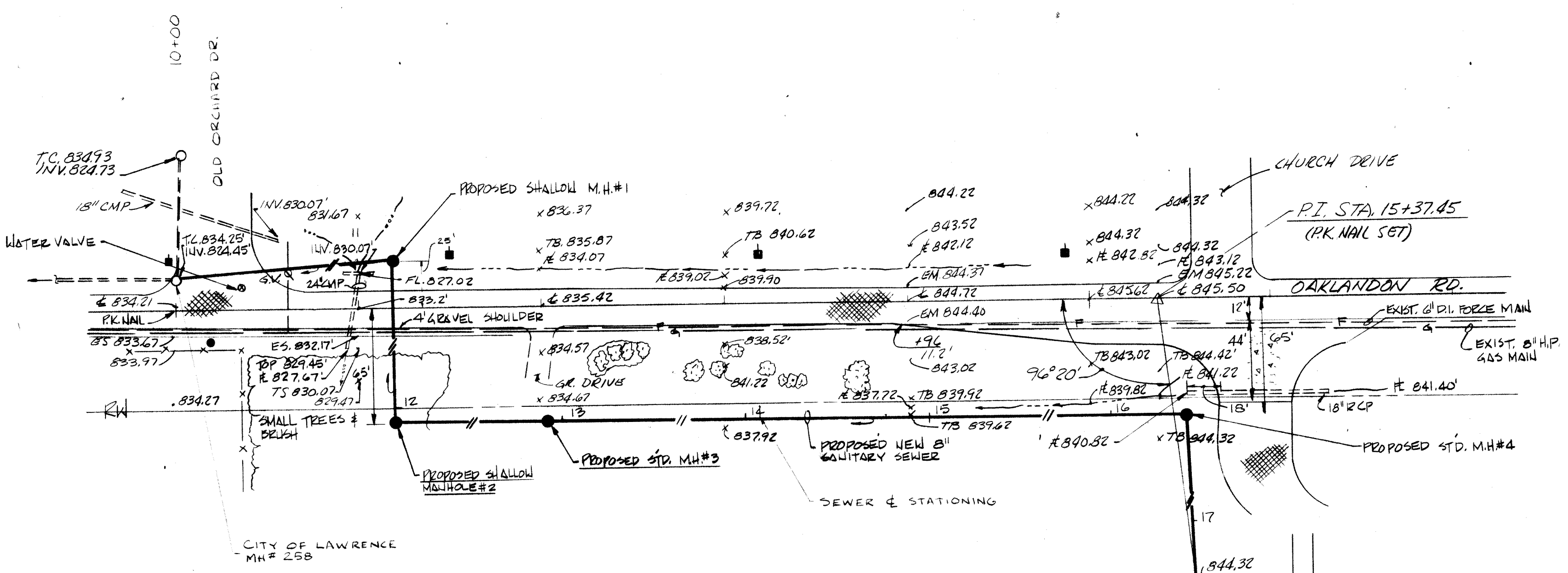
4. WOOD NAILED SHALL BE LOCATED IN SUCH A FASHION AS TO PREVENT FASTENERS FROM BEING EXPOSED TO THE SURFACE OF THE BOTTOM SIDE OF THE ROOF DECK.

ROOF PLAN  
1"=30"

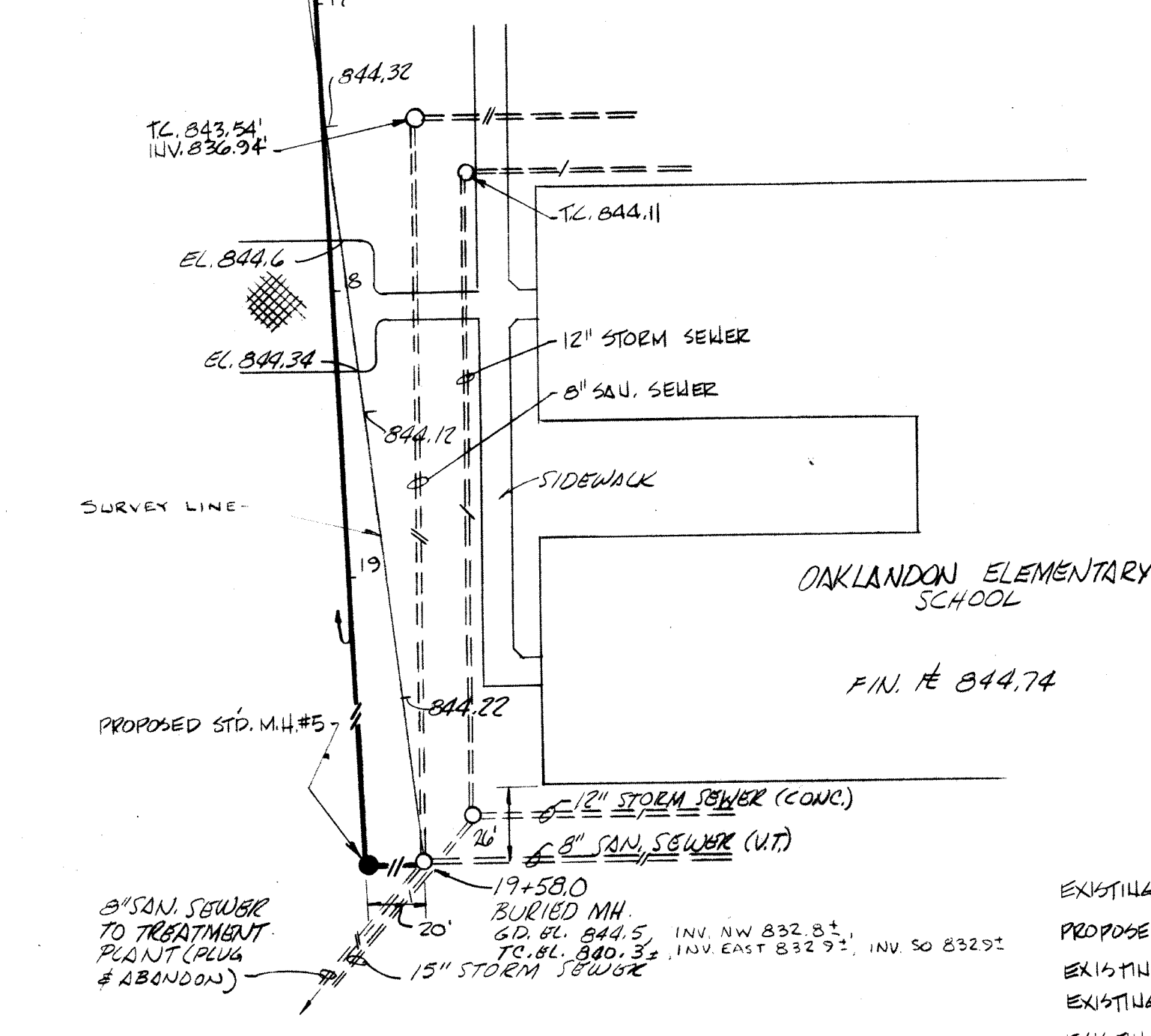


NO.	DATE	REVISIONS DESCRIPTION	COMPL. BY	DATE	DRAWN BY	CHECKED BY



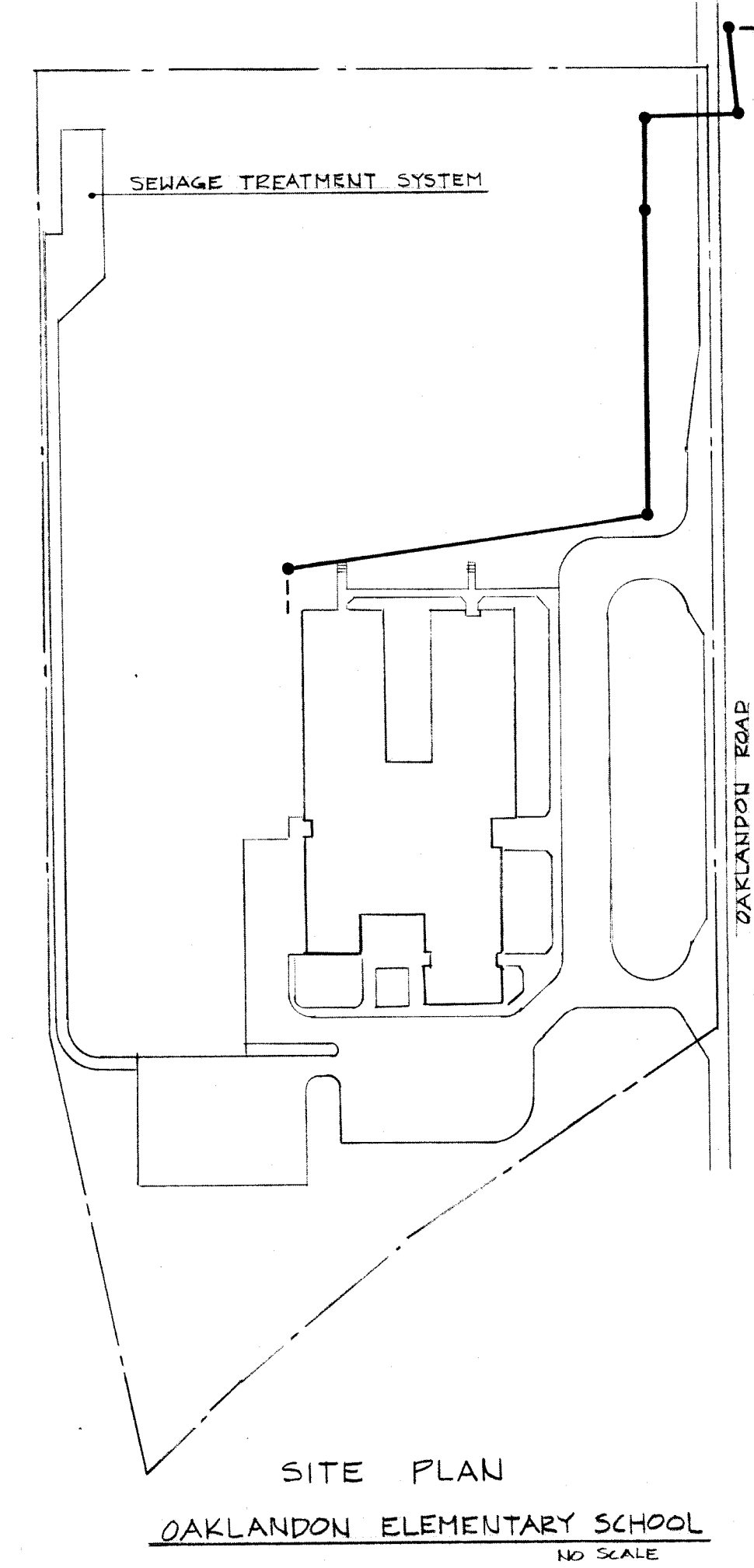


- NOTES:
- CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES, INCLUDING STREET CUT PERMITS, NECESSARY FOR THE INSTALLATION OF THE SANITARY SEWER.
  - EXISTING GAS, WATER, TELEPHONE, ELECTRIC, FORCEMAINS, ETC. ARE SHOWN ONLY TO REPRESENT THAT SUCH UTILITIES MAY EXIST. THEIR EXISTENCE AND THEIR EXACT LOCATION, MATERIAL, AND DEPTH SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION. ANY DIRECT CONFLICTS BETWEEN THE UTILITIES AND THE CROSS-SECTIONAL AREA OF THE PROPOSED SEWER SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO STARTING CONSTRUCTION.
  - PROTECTION AND/OR BRACING OF EXISTING UTILITIES; NEAR, IN, OR THROUGH THE TRENCH AND/OR CONSTRUCTION AREAS; SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT HIS COST. ALL AS PER THE REQUIREMENTS OF THE RESPECTIVE UTILITIES AND EFFECTIVE CODES AND REGULATIONS.



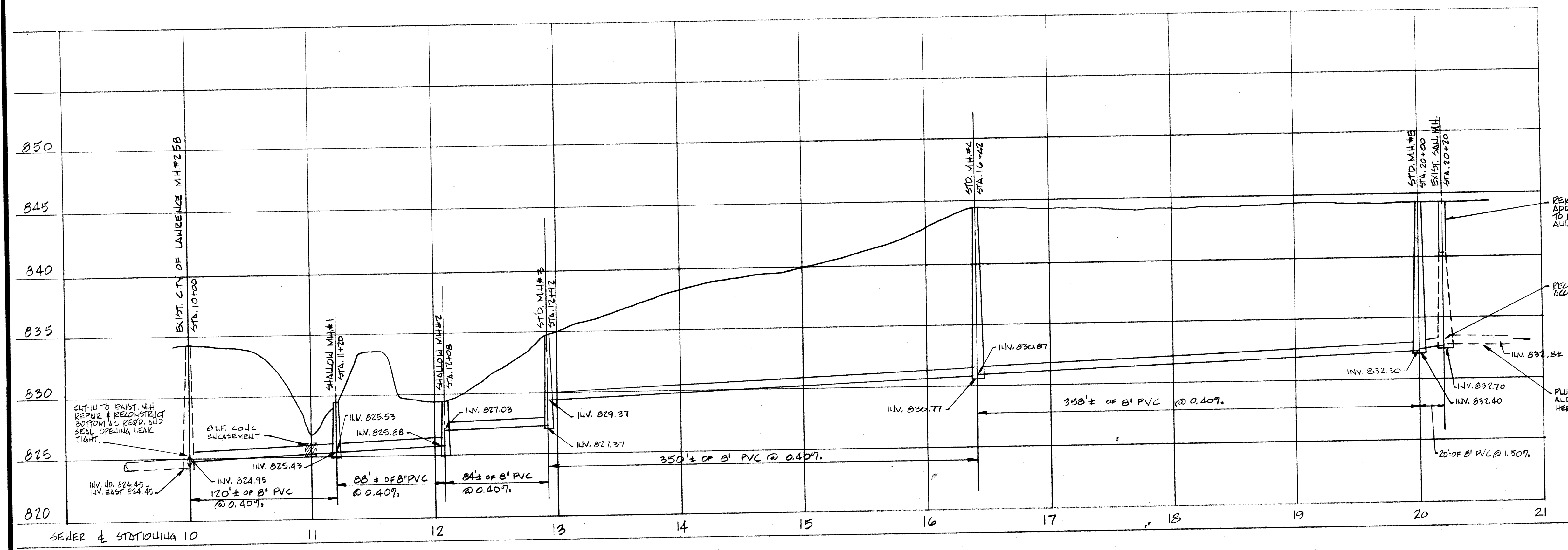
LEGEND

EXISTING SANITARY SEWER & MANHOLE	---
PROPOSED SANITARY SEWER & MANHOLE	---
EXISTING STORM SEWER	---
EXISTING WATER MAIN	---
EXISTING GAS MAIN	---
EXISTING FORCE MAIN	---
EXISTING SHALE	---
EXISTING POWER POLE	---
EXISTING FENCE	---



PLAN  
SCALE: 1"=50'

TBM TOP OF CAST-IRON CITY OF LAWRENCE MANHOLE NO. 258 SURVEY STA. 10+00.17' LT. EL. 834.25 (ASSUMED) (THIS IS NOT 10+00.00)



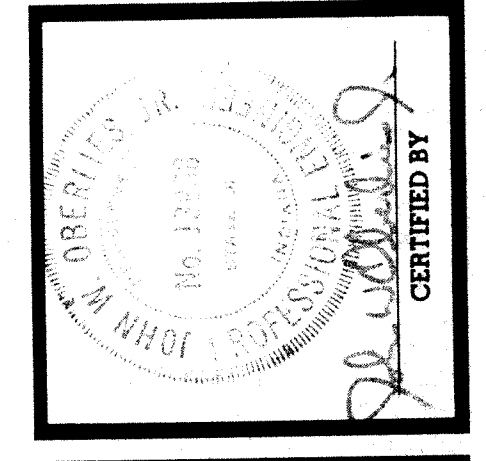
REMOVE ECCENTRIC COLE AND M.H. CASTINGS. ADD PRECAST CONC. M.H. SECTIONS AS SHOWN. TO BRING M.H. UP TO GRADE AND RESET COLE AND CASTINGS ALL IN ACCORDANCE W/ STD. M.H. DETAIL.

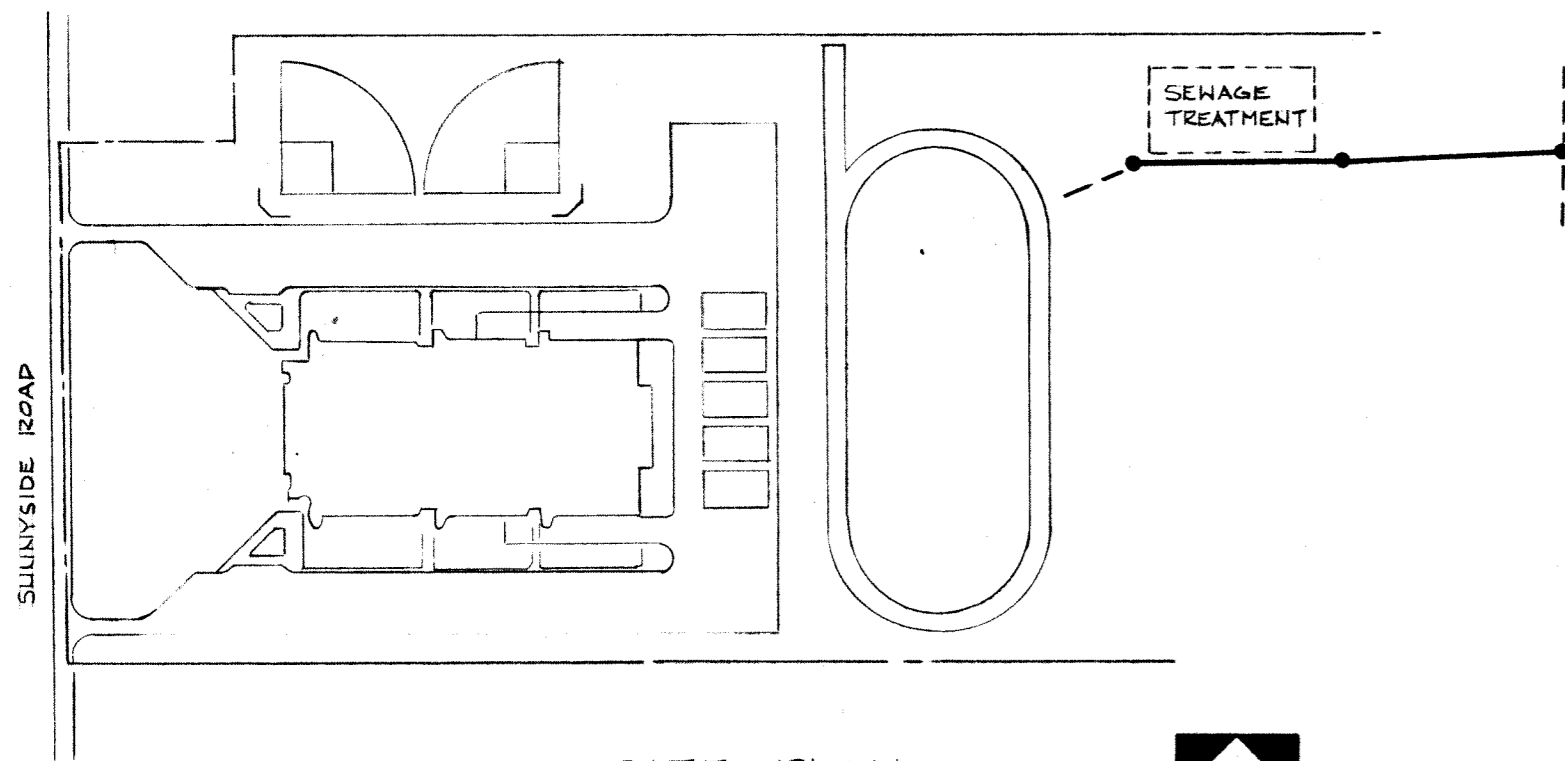
RECONSTRUCT M.H. BOTTOM TO SUIT - ALL IN ACCORDANCE W/ STD. M.H. DETAIL.

PLUG SEWER TO M.H. W/ CONC. AND REAROUND (SHOWN ELEVATED 180" HERE FOR SAKE OF CLARITY)

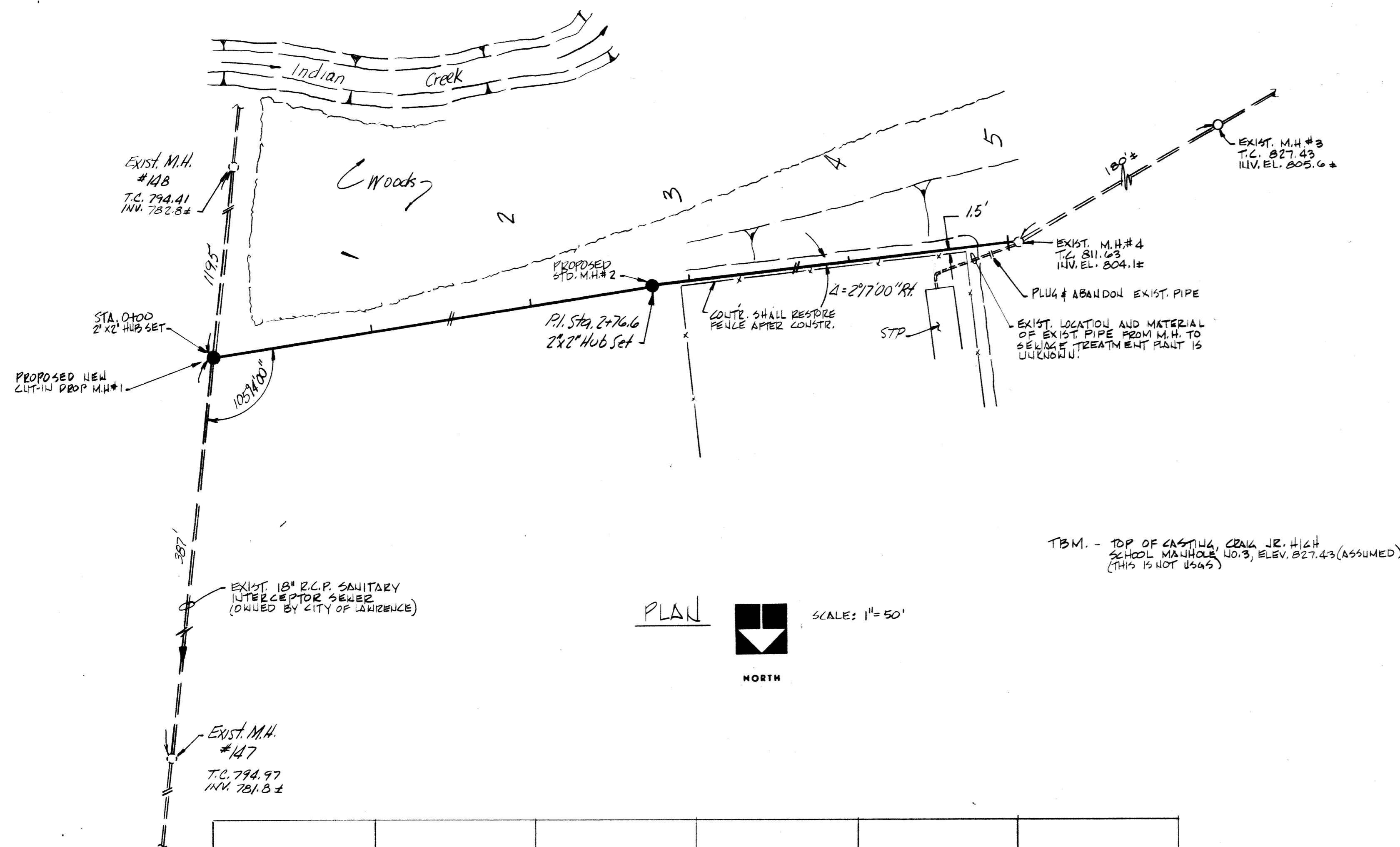
PROFILE SCALE: H - 1"=50'  
V - 1"=5'

NO.	DATE	REVISIONS	DESCRIPTION	COMM. NO.	DATE
1	7/2/81			51-0	



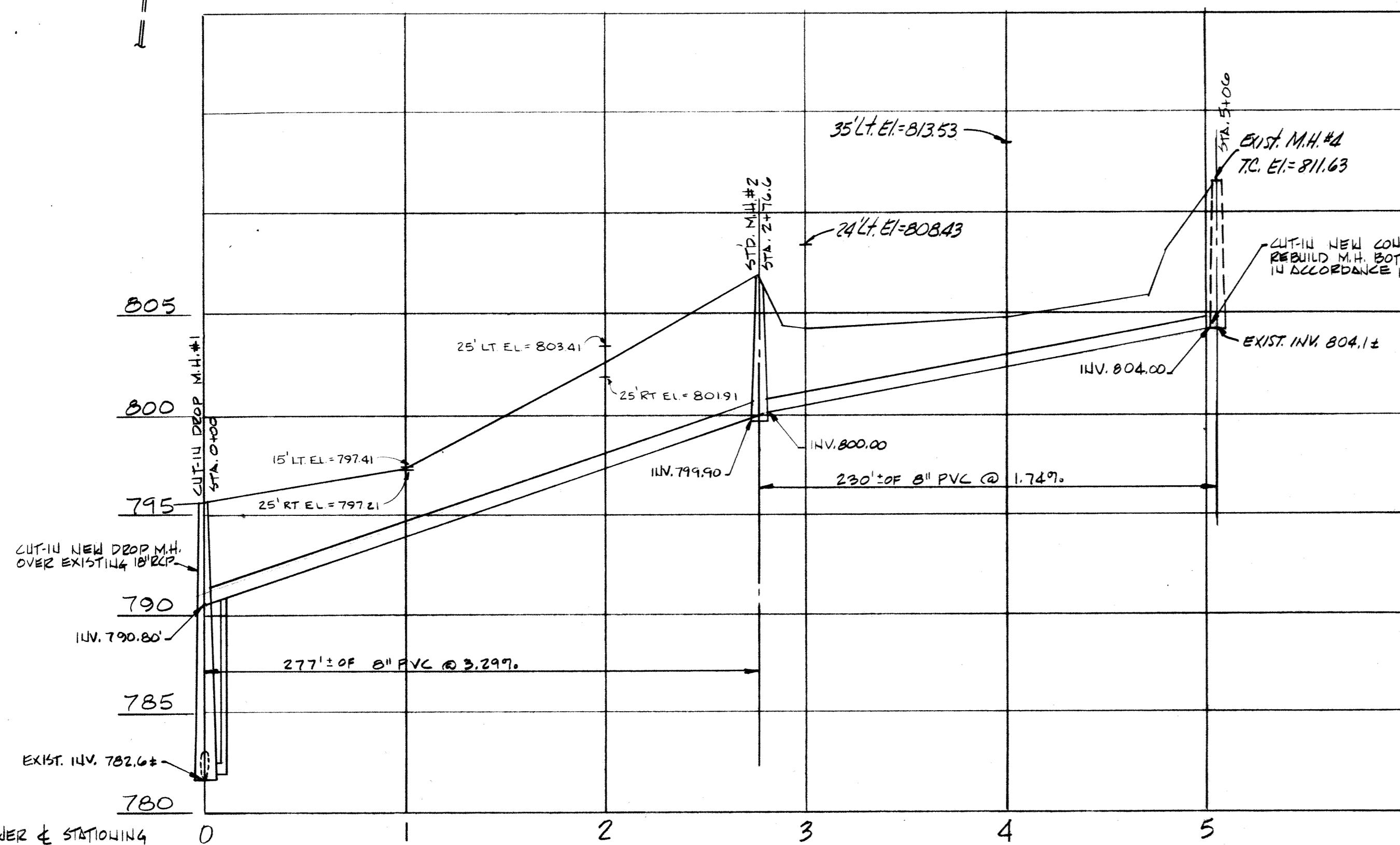


SITE PLAN  
CRAIG JUNIOR HIGH SCHOOL  
NO SCALE

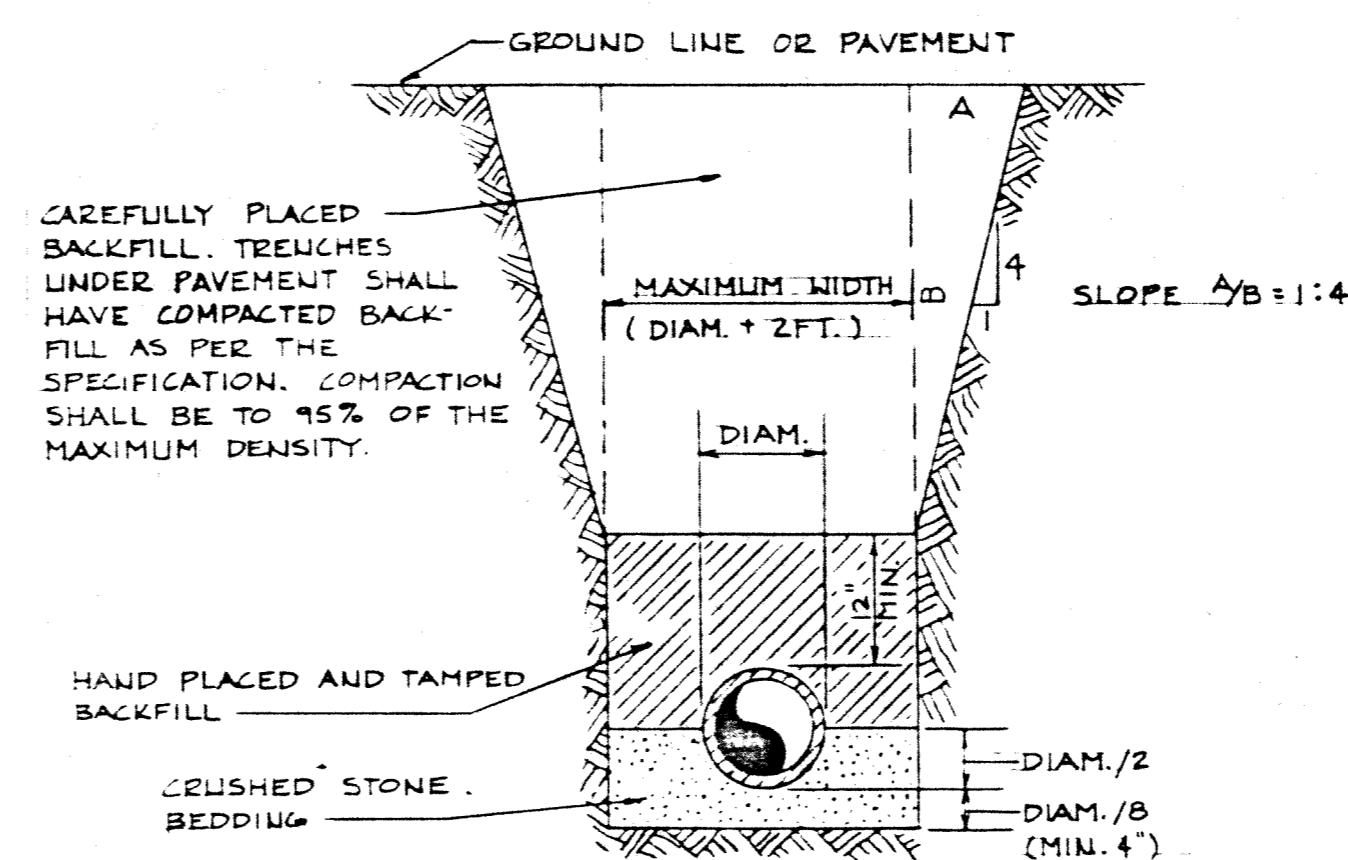


PLAN  
SCALE: 1" = 50'  
NORTH

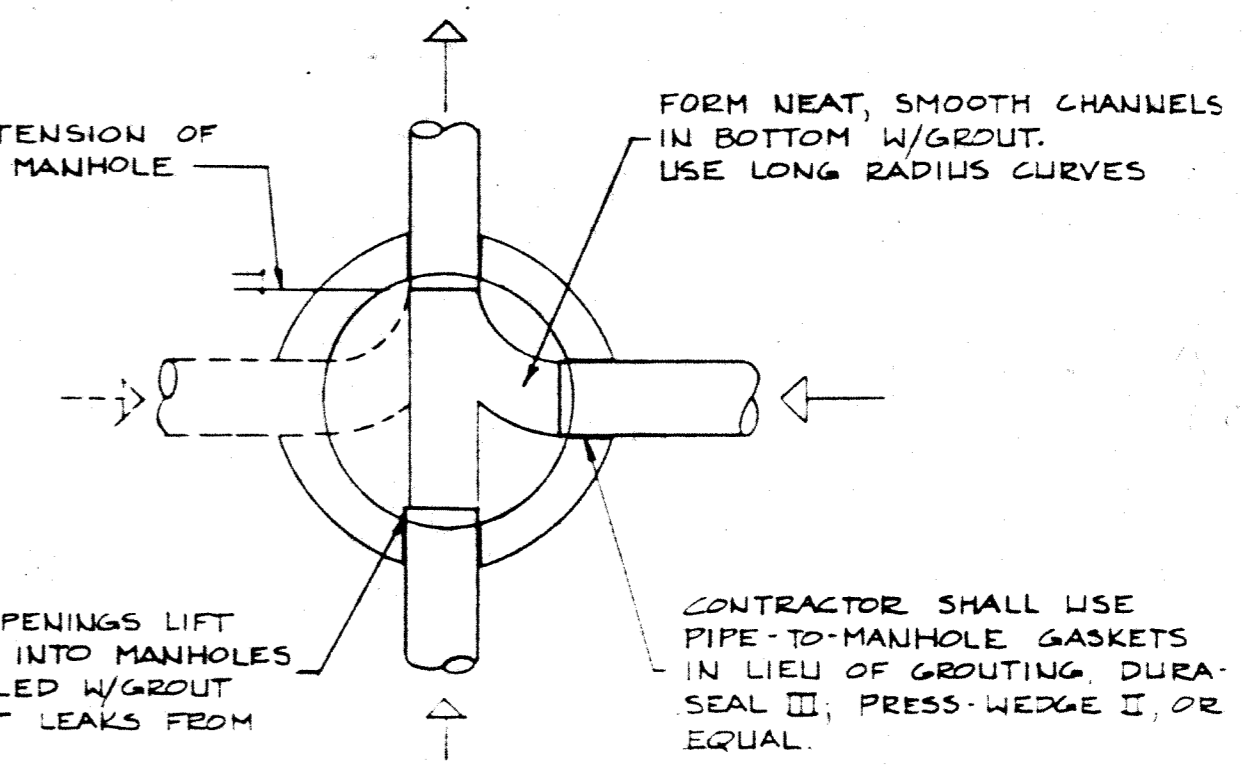
TBM: - TOP OF CASTING, CRAIG JR. HIGH SCHOOL MANHOLE NO. 3, ELEV. 827.43 (ASSUMED) (THIS IS NOT 826.9)



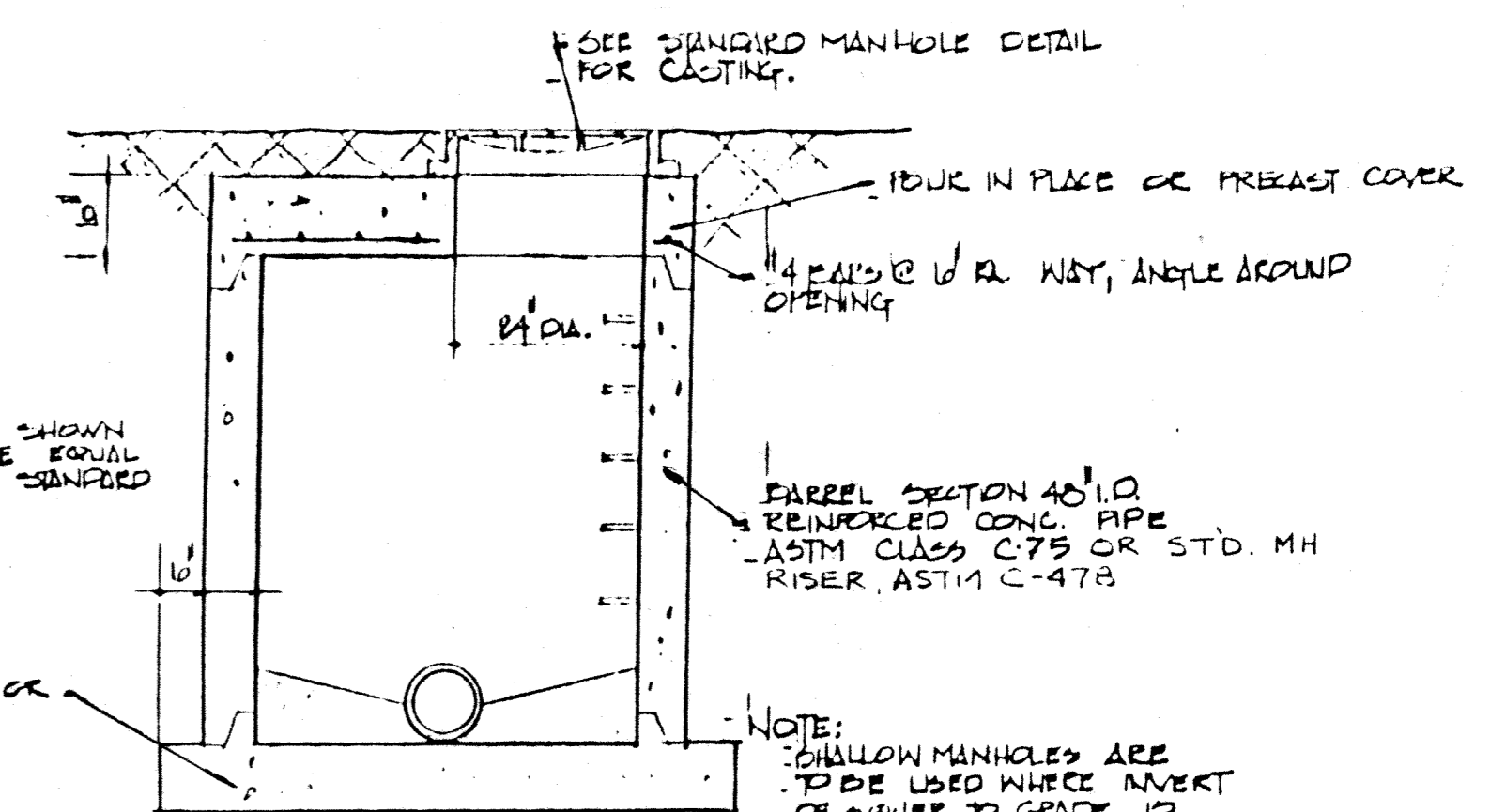
PROFILE  
SCALE: H" = 50'  
V" = 5'



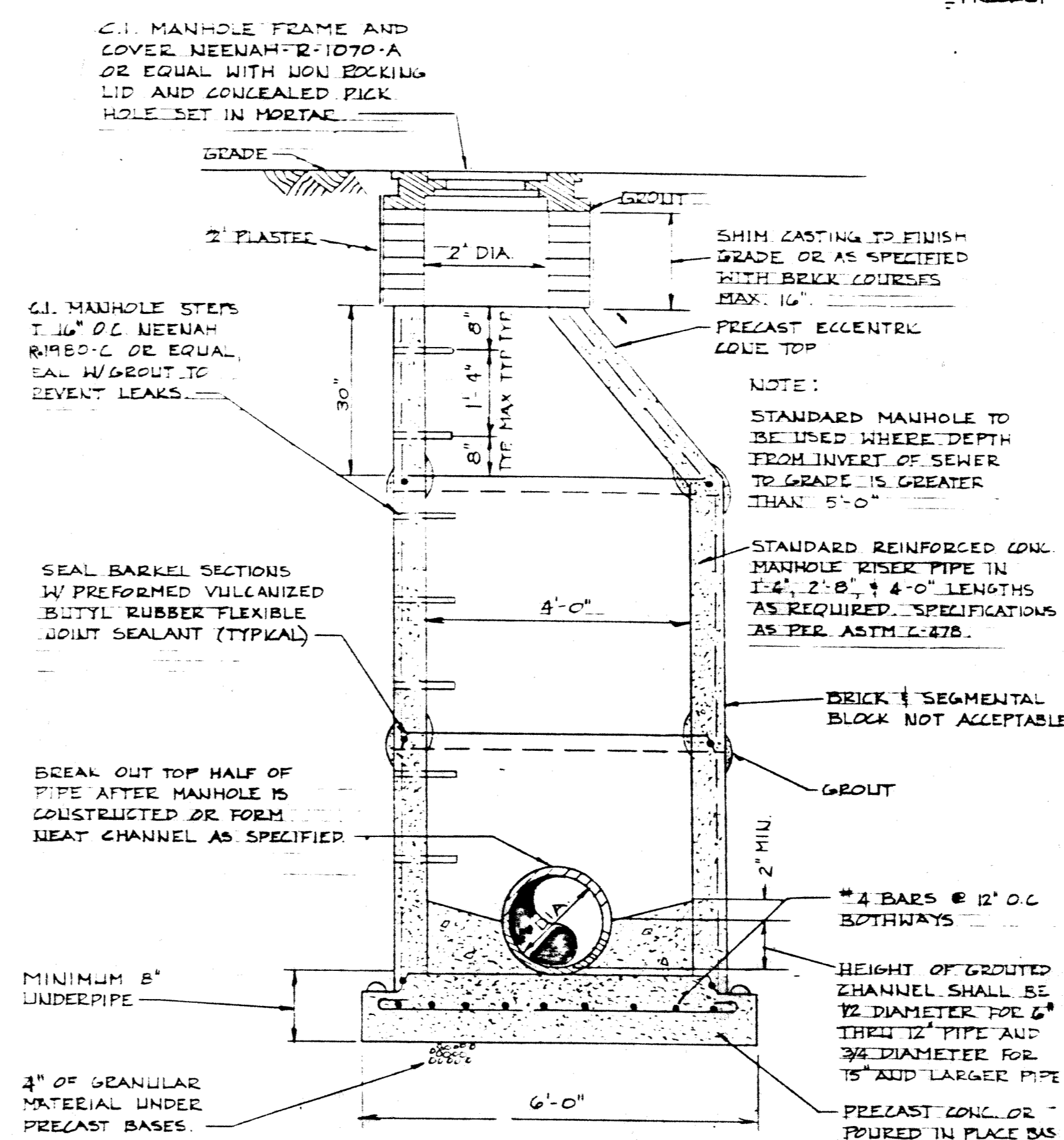
TYPICAL SEWER TRENCH  
CLASS "B" BEDDING  
NO SCALE



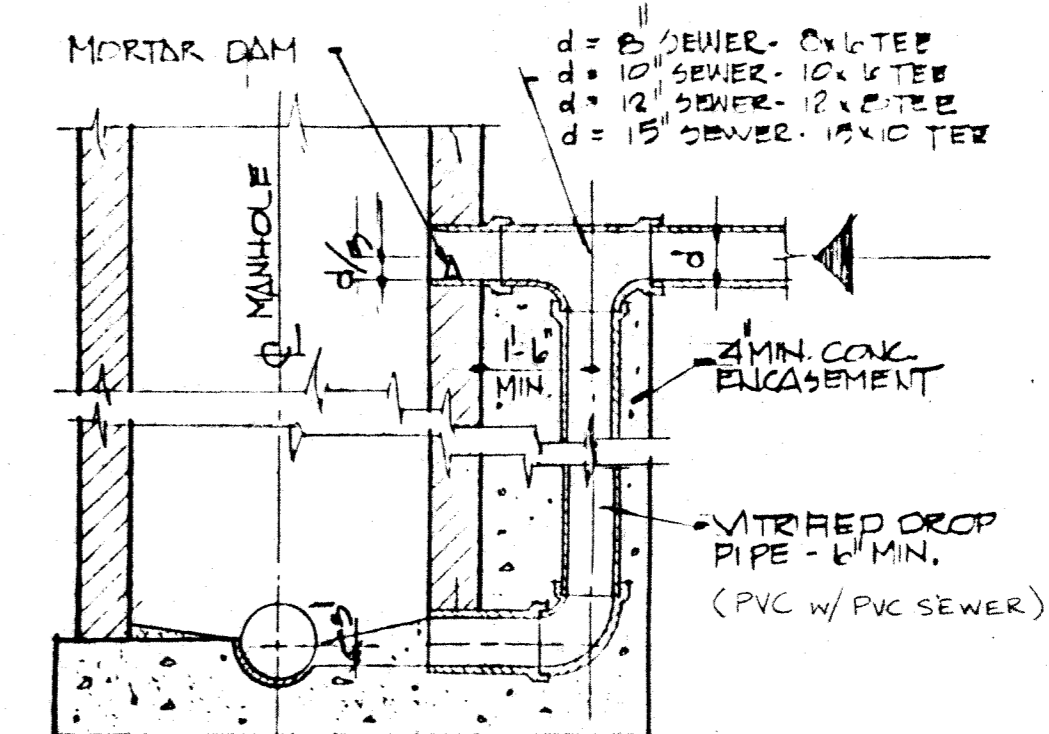
MANHOLE BOTTOM PLAN  
NO SCALE



SHALLOW MANHOLE DETAIL

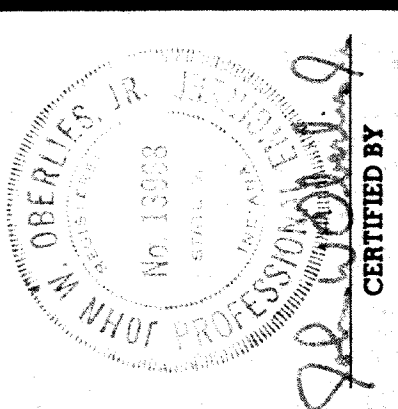


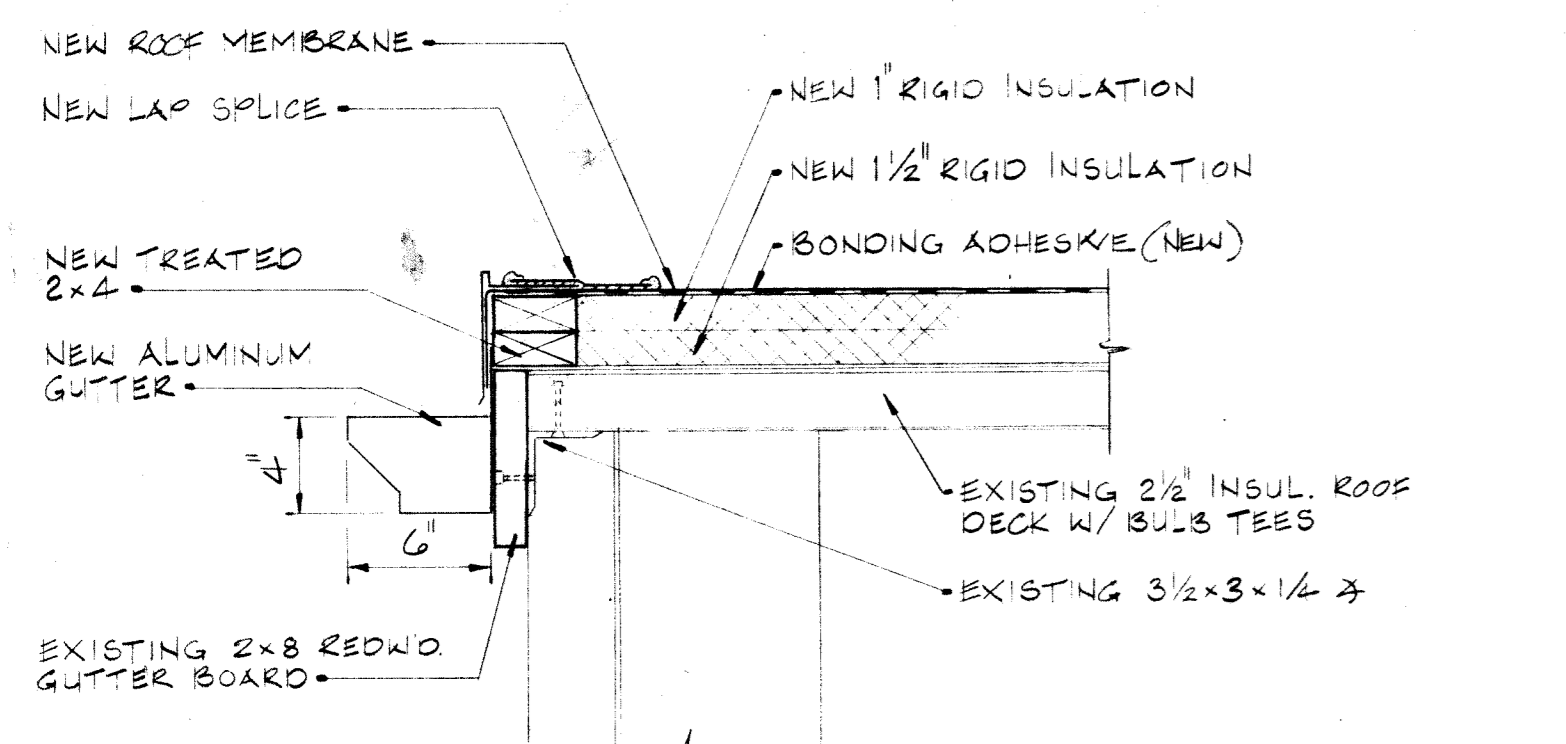
STANDARD MANHOLE FOR SEWERS  
LESS THAN 24" IN DIAMETER  
NO SCALE



DROP PIPE  
CONNECTION TO MANHOLE

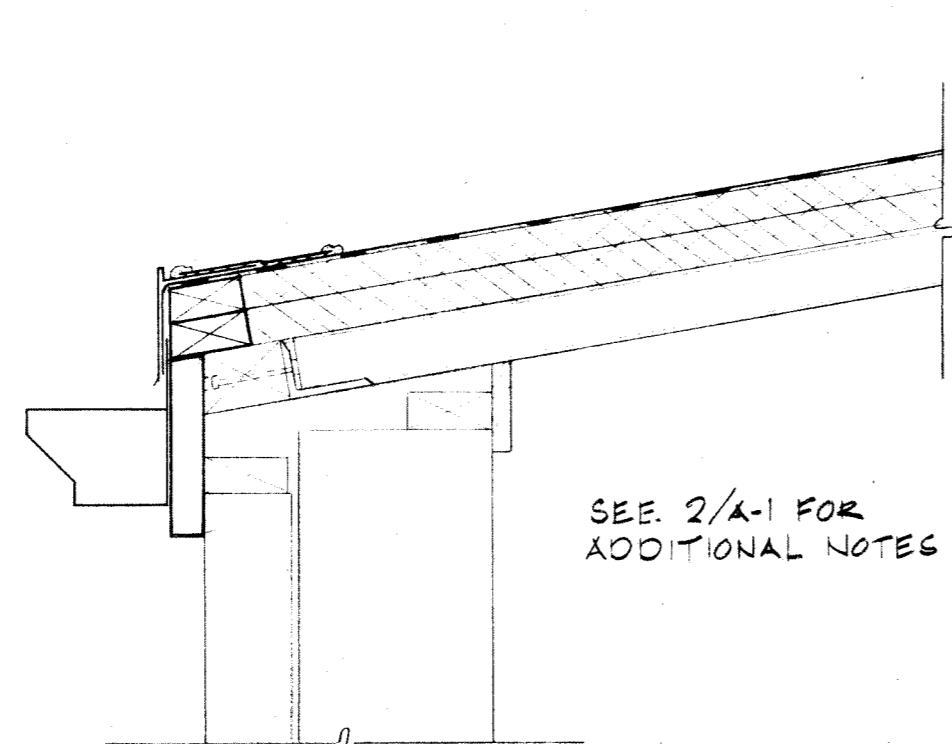
NO.	DATE	REVISIONS	DESCRIPTION	CONTR. NO.	BY	DATE



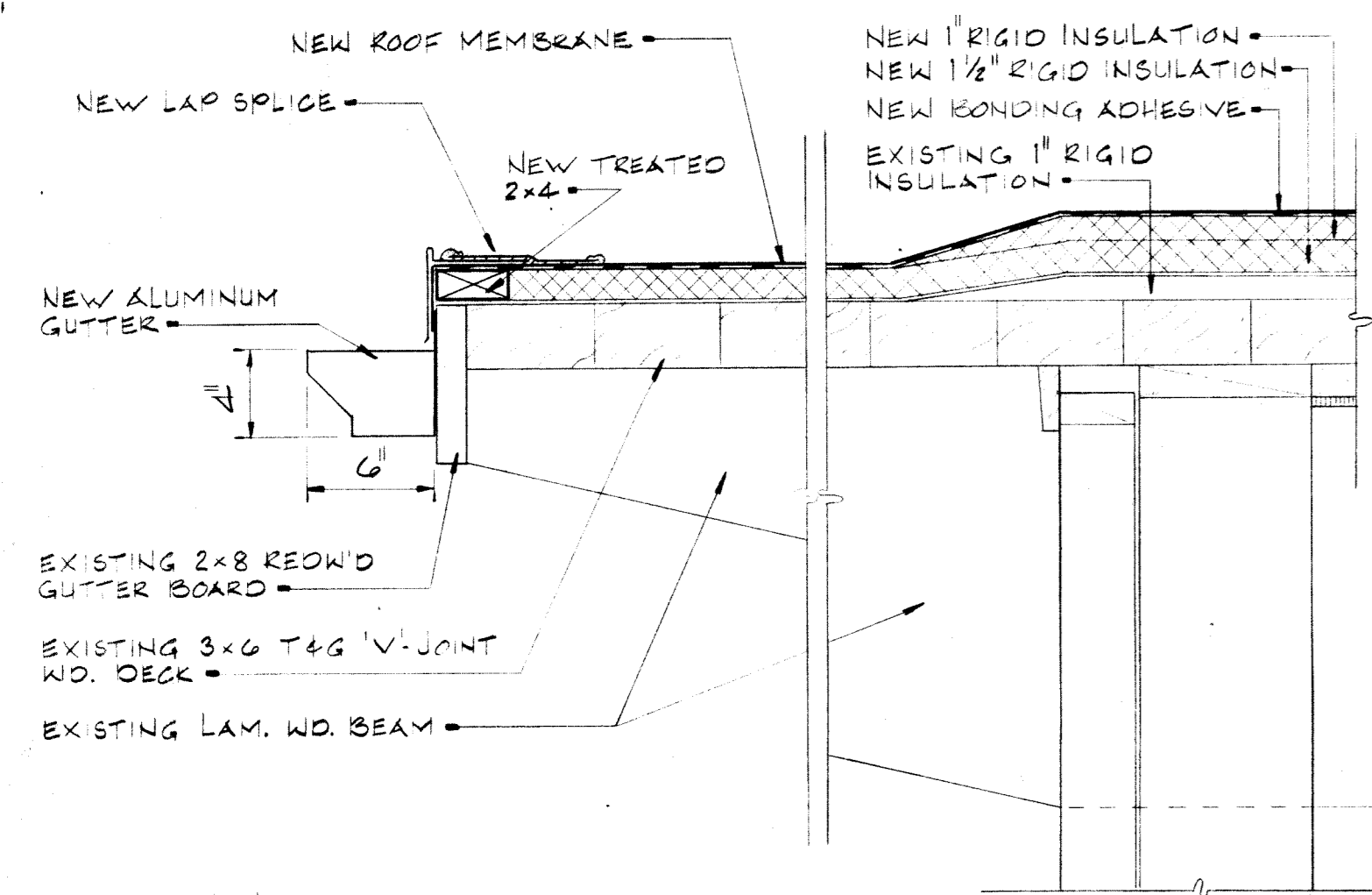


NOTES:  
REMOVE EXISTING: BALLAST  
ALUM. GRAVEL STOP & GUTTER (ALL SECTIONS)

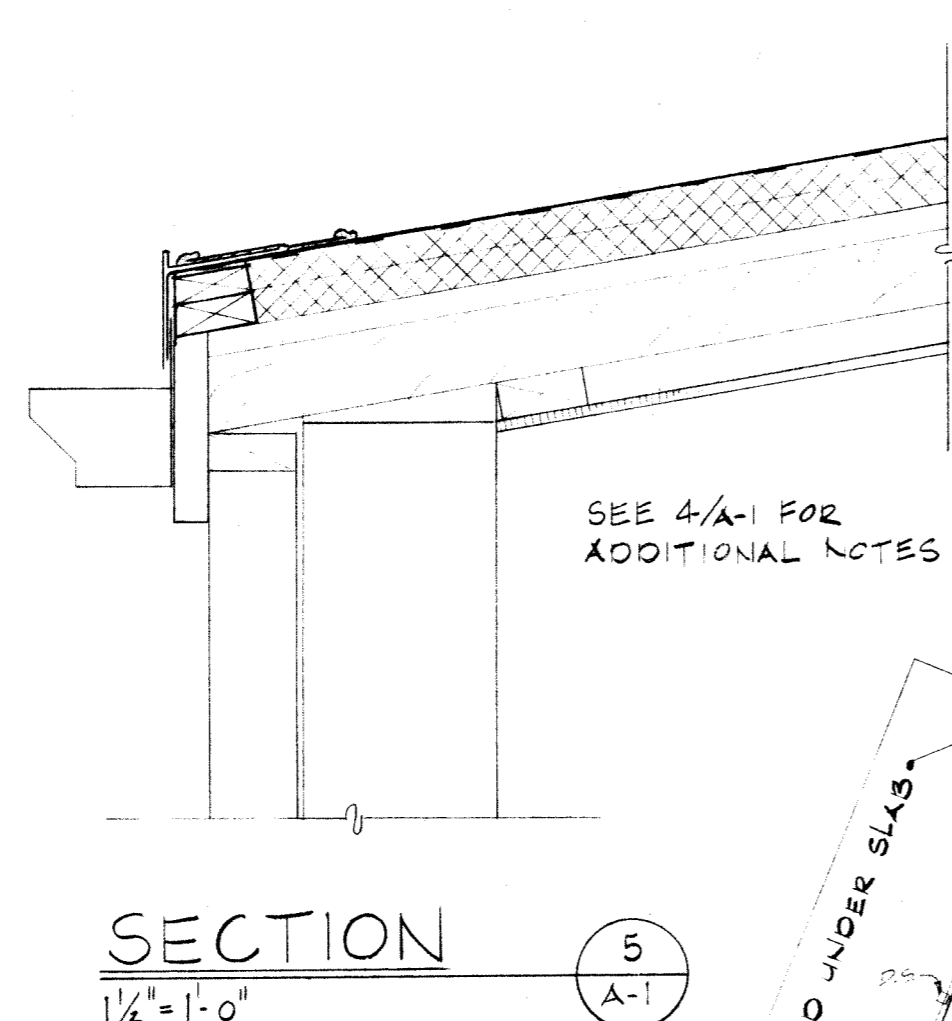
SECTION 2  
1/2" = 1'-0"



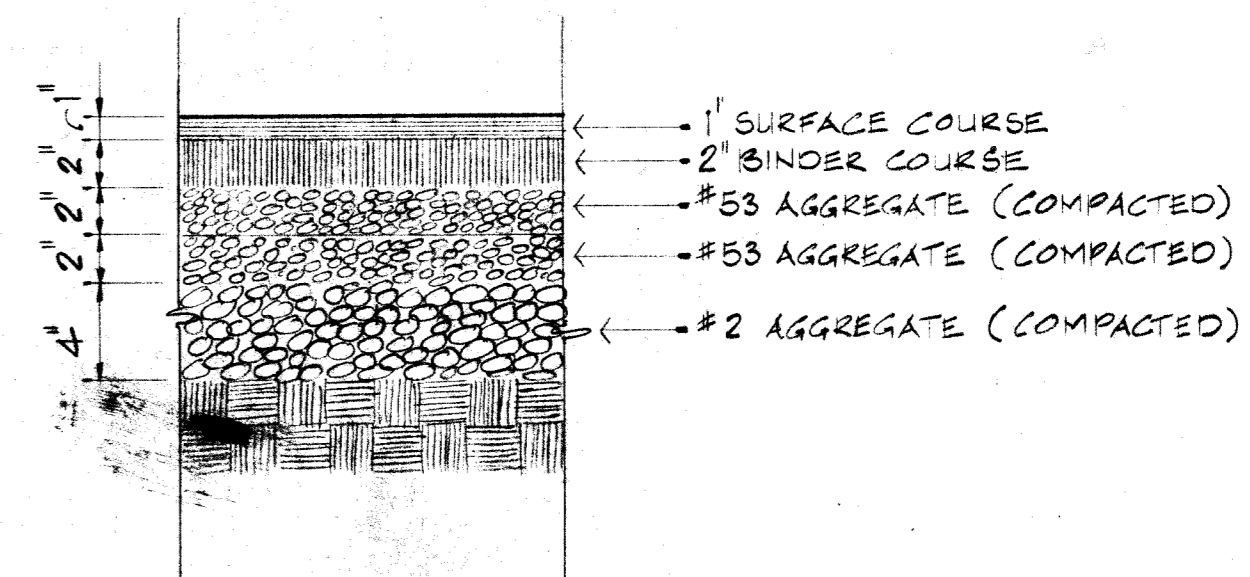
SECTION 3  
1/2" = 1'-0"



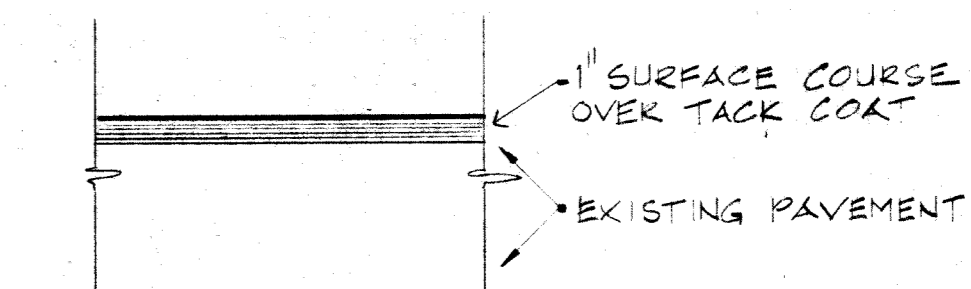
SECTION 4  
1/2" = 1'-0"



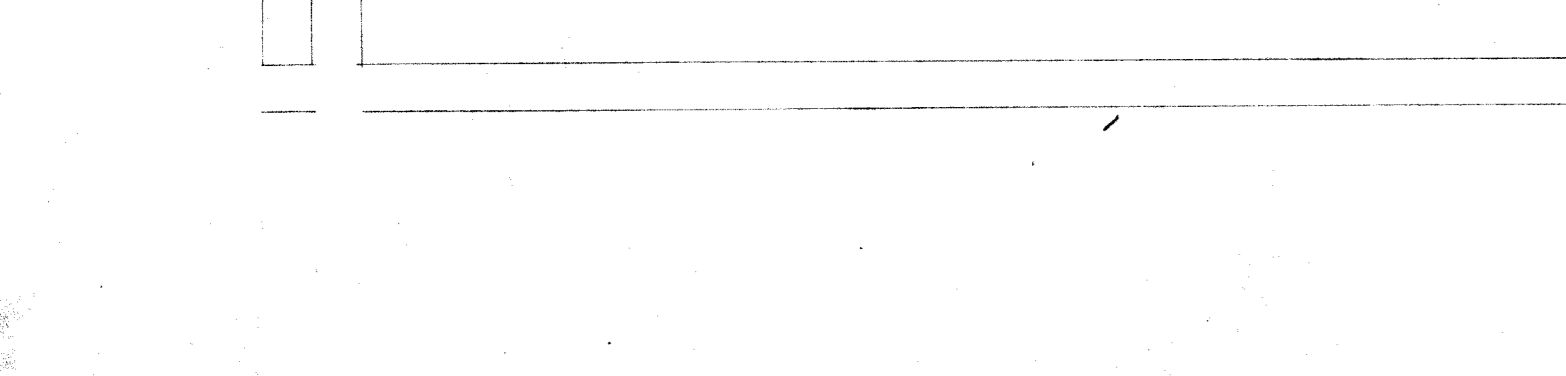
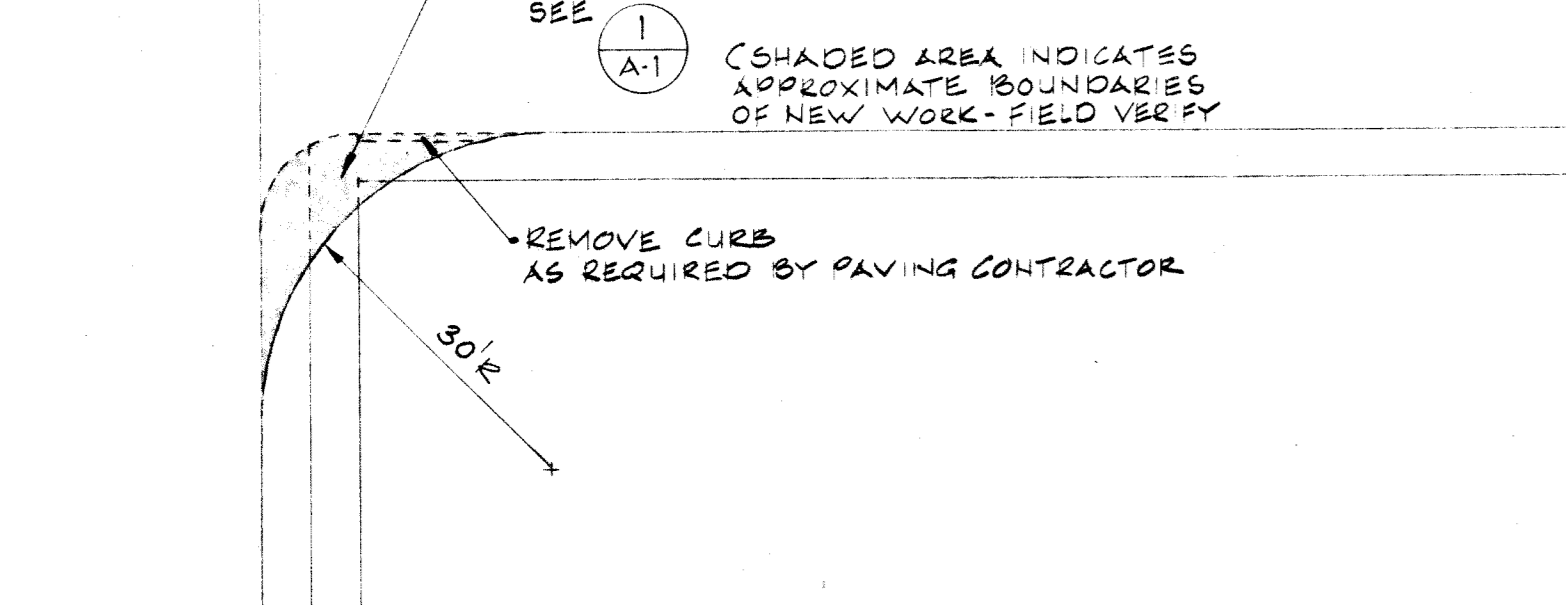
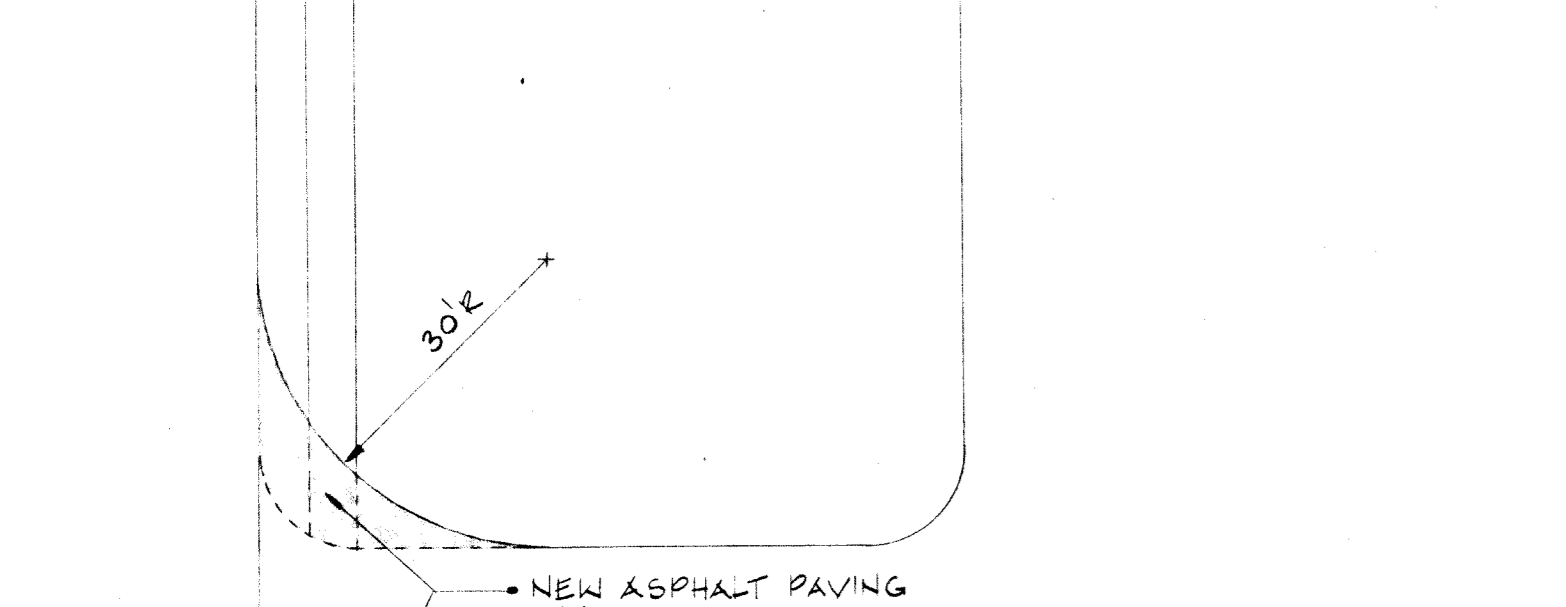
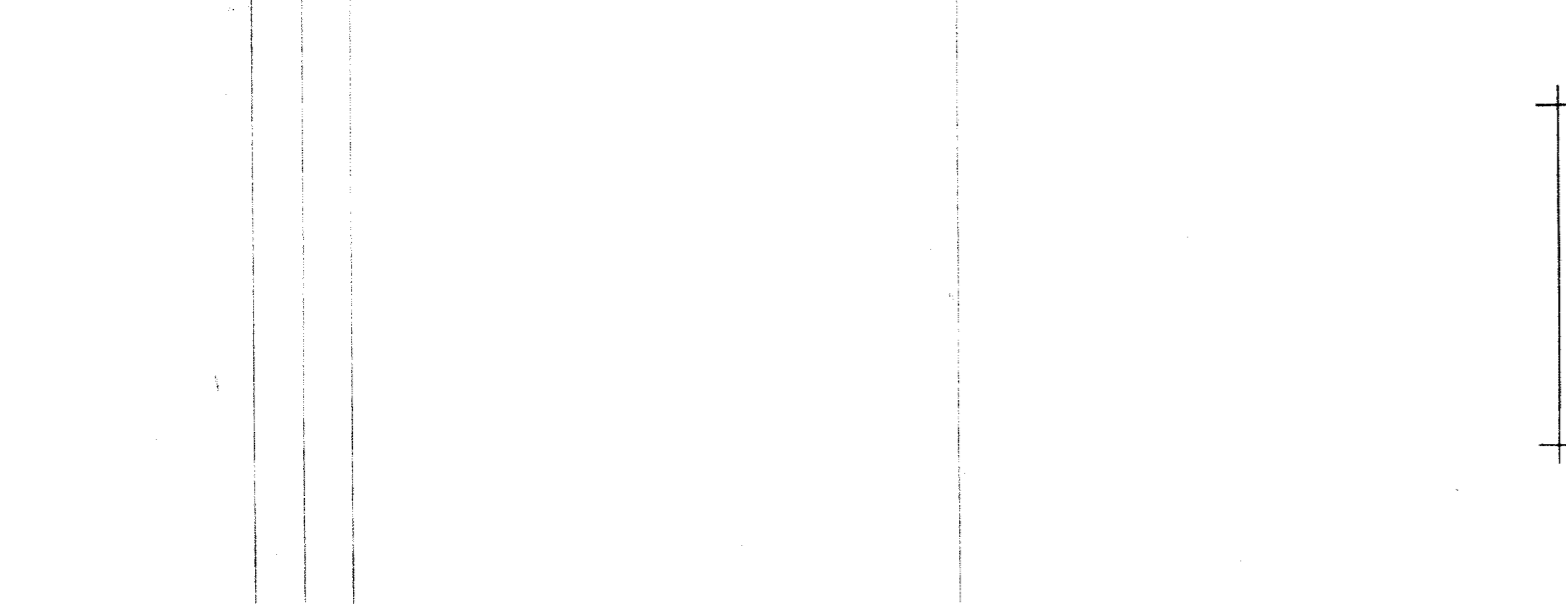
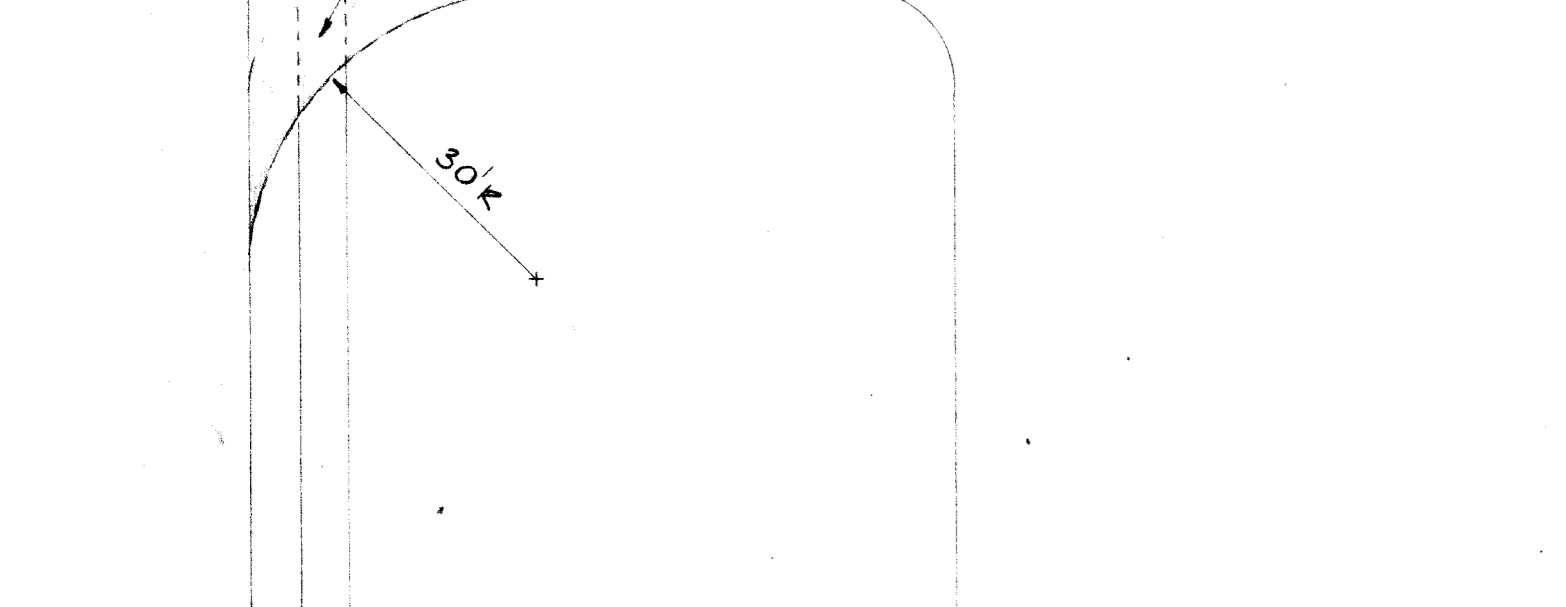
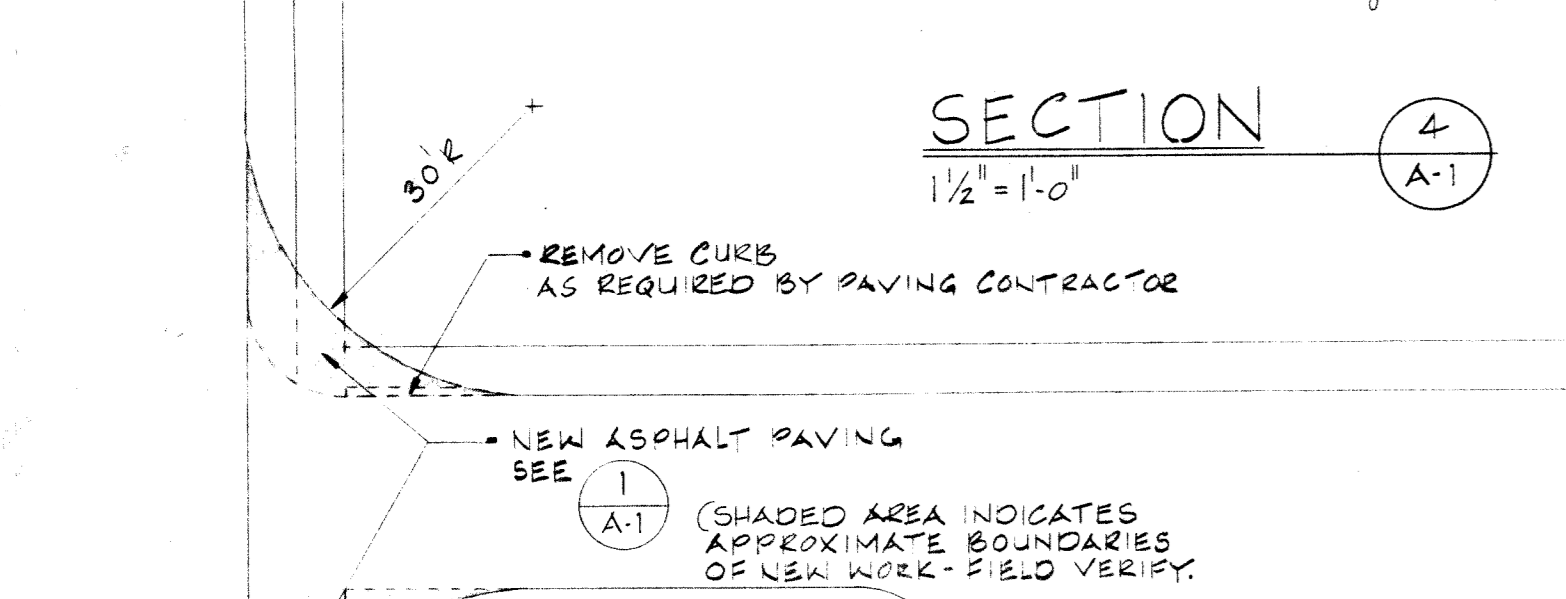
SECTION 5  
1/2" = 1'-0"



TYPICAL BITUMINOUS PAVING DETAIL  
1/2" = 1'-0"



TYPICAL TOPPING DETAIL  
1/2" = 1'-0"



REMOVE EXISTING DAMAGED CONCRETE & REPLACE W/ NEW

REPAINT CANOPY SOFFIT BY G.C.

KEY	
V	VENT
EF	EXHAUST FAN
DS	DOWNSPOUT

**ASPHALT PAVING NOTE**  
ALL EXISTING PAVING ON SITE TO RECEIVE A 1" THICK (MIN.) ASPHALT TOPPING ON A TACK COAT OVER THE EXISTING PAVING. ALL DETERIORATED OR DAMAGED PAVING IS TO BE REMOVED DOWN A MIN. OF 4" (TO OBTAIN) & REPLACE W/ 1/2" OF BASE COURSE ASPHALT & 1" TOPPING SURFACE COURSE. SLOPE TOPPING TO REMOVE POSITIVE DRAINAGE TO CATCH BASINS, INLETS OR TILES.

**NOTE:**  
ALL EXISTING CATCH BASINS & MANHOLES SHALL BE RAISED OR LOWERED AS REQUIRED TO ALLOW POSITIVE DRAINAGE.

GENERAL CONTRACTOR TO REMOVE EXISTING WALK & REPLACE W/ NEW (CONG. OR COMPACTED STONE BASE & MIN. COVERAGE). EXISTING CURBS TO REMAIN - TOP OF NEW WALK TO BE LEVEL W/ CURB. SLAB THICKNESS 4".  
NOTE: CONTROL JOINTS @ 30'-0" & EXPANSION JOINTS @ 30'-0" P.C.

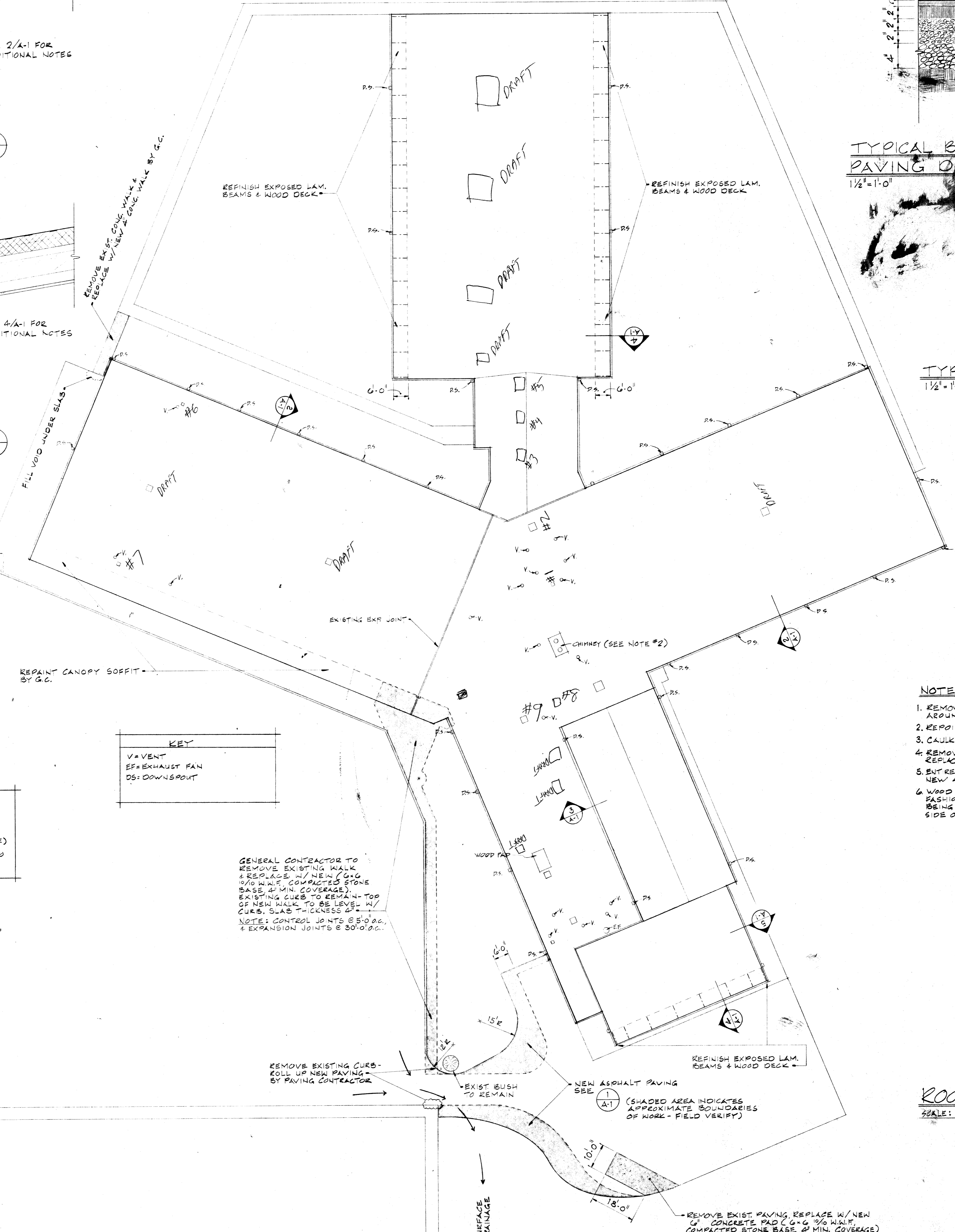
REMOVE EXISTING CURB - ROLL UP NEW PAVING BY PAVING CONTRACTOR

EXIST BUSH TO REMAIN

NEW ASPHALT PAVING SEE (SHADED AREA INDICATES APPROXIMATE BOUNDARIES OF WORK - FIELD VERIFY)

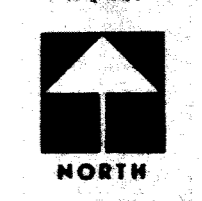
REFINISH EXPOSED LAM. BEAMS & WOOD DECK

REMOVE EXIST PAVING REPLACE W/ NEW CONCRETE PAD (CONG. OR COMPACTED STONE BASE & MIN. COVERAGE) TOP OF PAD TO BE LEVEL W/ SURROUNDING PAVING BY G.C.



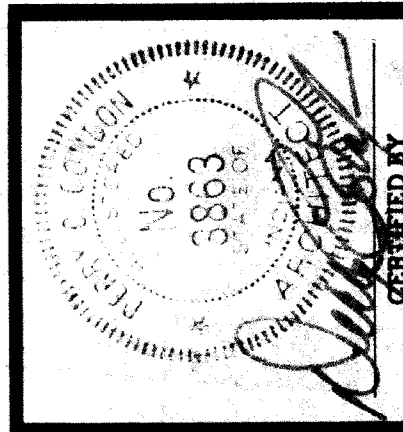
- NOTES:**
1. REMOVE & INSTALL NEW SEALANT AROUND ALL EXTERIOR LOUVERS.
  2. REPOINT & SEAL CRACKS IN CHIMNEY.
  3. CAULK ALL EXTERIOR CONCRETE EXP JOINTS
  4. REMOVE ALL EXISTING GUTTERS & DOWNSPOUTS & REPLACE W/ NEW ALUM. GUTTERS & DOWNSPOUTS.
  5. ENTIRE ROOF TO BE REROOFED W/ INSULATION & NEW ADHERED MEMBRANE ROOFING
  6. WOOD NAILERS SHALL BE LOCATED IN SUCH A FASHION SO AS TO PREVENT FASTENERS FROM BEING EXPOSED TO THE EYE ON THE BOTTOM SIDE OF ROOF DECK.

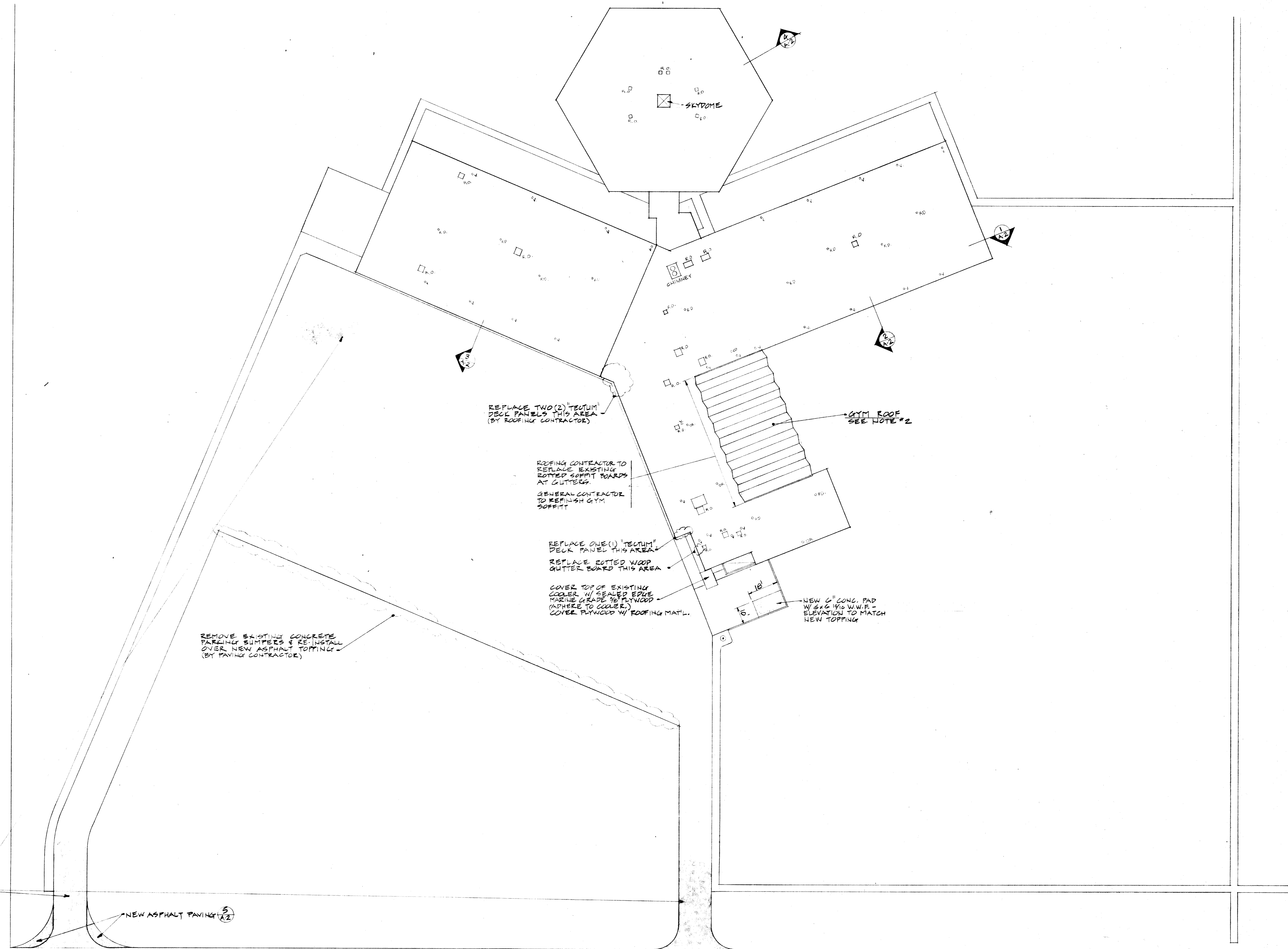
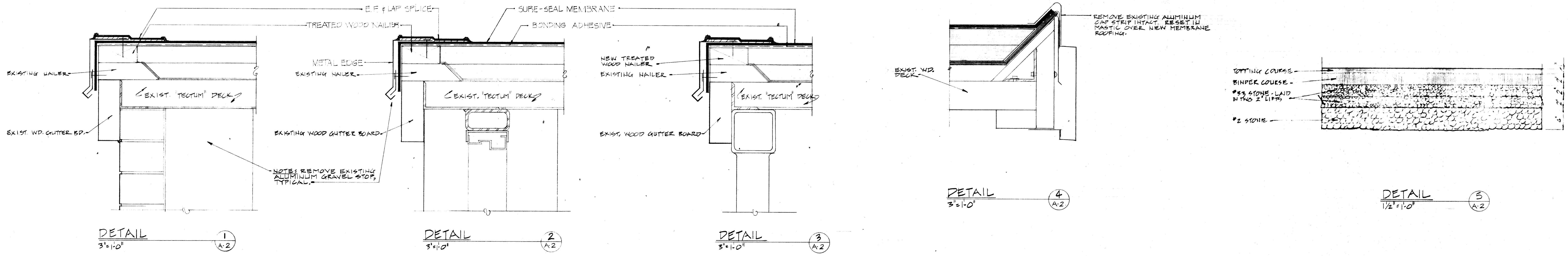
ROOF & PAVING PLAN  
SCALE: 1" = 20'



SET NO. 24

NO.	DATE	REVISIONS	DESCRIPTION	CONTR. NO.	DATE	DRAWN BY	CHECKED BY
1	8/27						





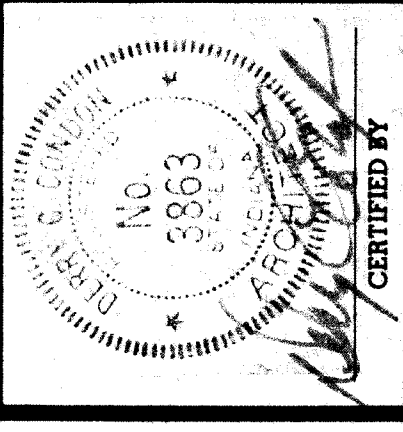
- NOTES:**
1. ALL EXISTING PAVING TO RECEIVE A 1" THICK (MINIMUM) ASPHALT TOPPING OR A TACK COAT OVER THE EXISTING PAVING. ALL DEGRADED OR DAMAGED PAVING IS TO BE REMOVED WITH A MIN. OF 2" (4" FOR BASE) SETBACK 4" OF BASE COURSE ASPHALT & TOP W/ SURFACE COURSE. SLOPE TOPPING TO PROVIDE POSITIVE DRAINAGE.
  2. ENTIRE BUILDING TO BE RE-ROOFED WITH AN ADHERED (NON-BALLAST) MEMBRANE SYSTEM. GYMNASIUM ROOF TO RECEIVE A "HYALON" COLOR COATING.
  3. ROOF KEYS OR DR. OR ID - ROOF DRAINS V. VENT E.O. - ROOF OPENING
  4. ALL EXISTING GUTTER BOARDS TO BE REPAINTED BY G.C.

REMOVE EXISTING PAVING AS INDICATED BY HAZED AREA. SEE NOTE #1.

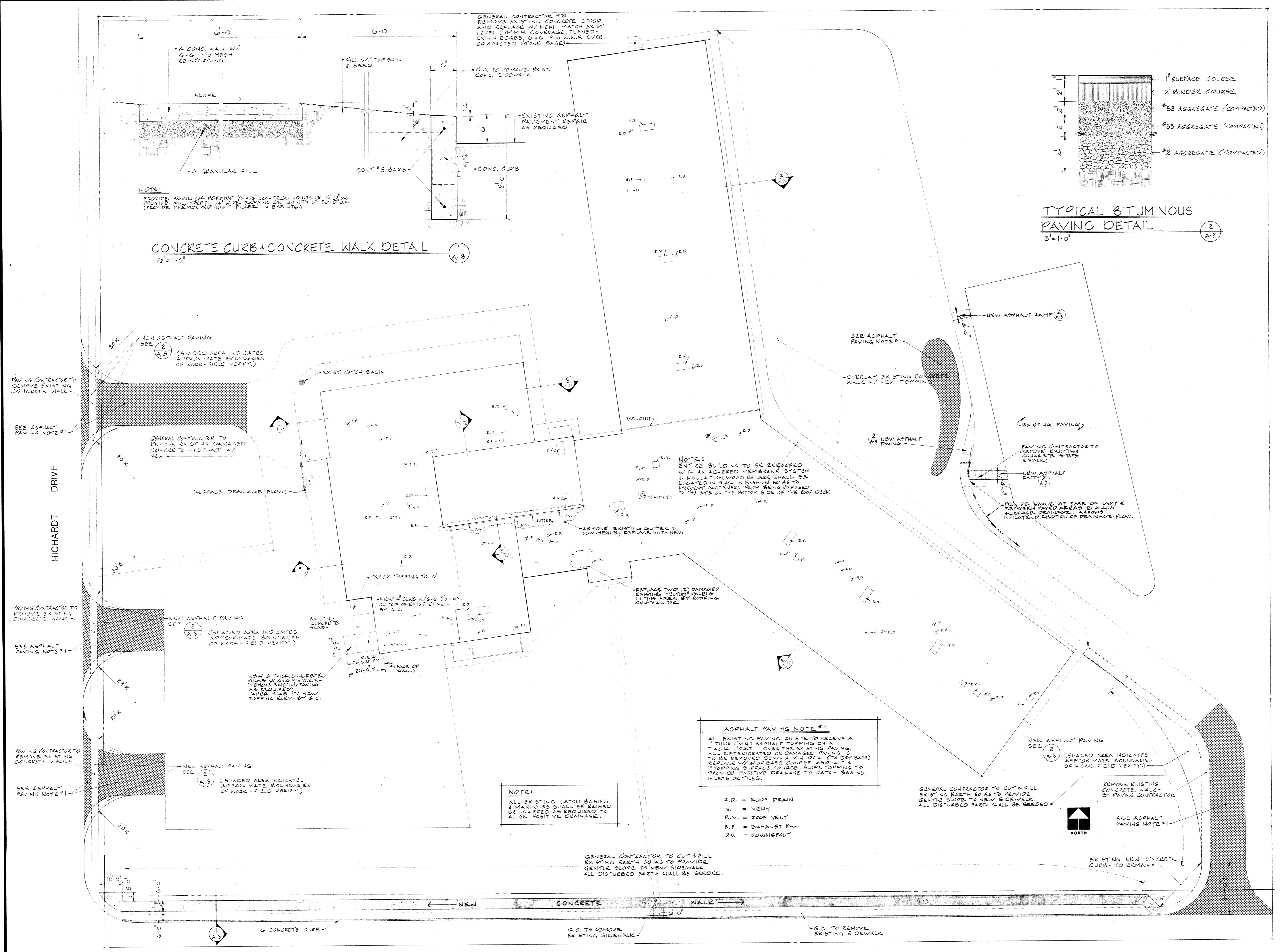
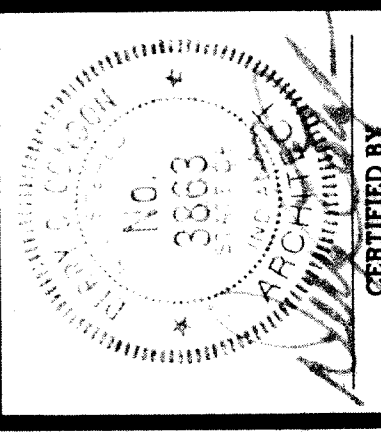
NEW ASPHALT PAVING (2)

ROOF PLAN / PAVING PLAN  
1" = 30'

NO.	DATE	REVISIONS DESCRIPTION	COMM. NO.	DATE	DRAWN BY	CHECKED BY



NO.	DATE	REVISIONS	DESCRIPTION	CONTR. NO.	DATE	DRAWN BY	CHECKED BY
				0120			



**CONCRETE CURB & CONCRETE WALK DETAIL**  
 1/2" = 1'-0"

**TYPICAL BITUMINOUS PAVING DETAIL**  
 3/8" = 1'-0"

**ASPHALT PAVING NOTE #1**  
 ALL EXISTING PAVING ON SITE TO RECEIVE A 1" THICK (MIN.) ASPHALT TOPPING ON A TACK COAT OVER THE EXISTING PAVING. ALL DEGRADED OR DAMAGED PAVING IS TO BE REMOVED DOWN A MIN. OF 6" (TO DRY BASE) REPLACE W/ 1" OF BASE COURSE, ASPHALT 1" TOPPING SURFACE COURSE. SLOPE TOPPING TO PROVIDE POSITIVE DRAINAGE TO CATCH BASINS, INLETS OR TILES.

- R.P. = ROOF DRAIN
- V. = VENT
- R.V. = ROOF VENT
- E.F. = EXHAUST FAN
- D.S. = DOWNSPOUT

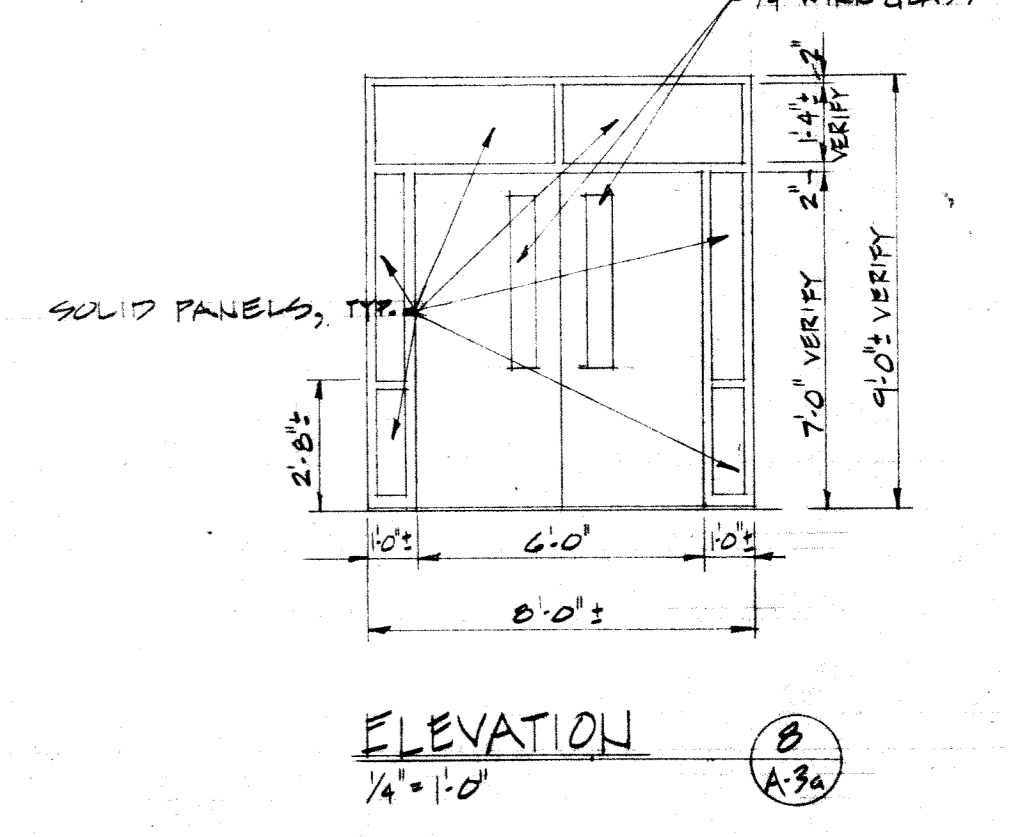
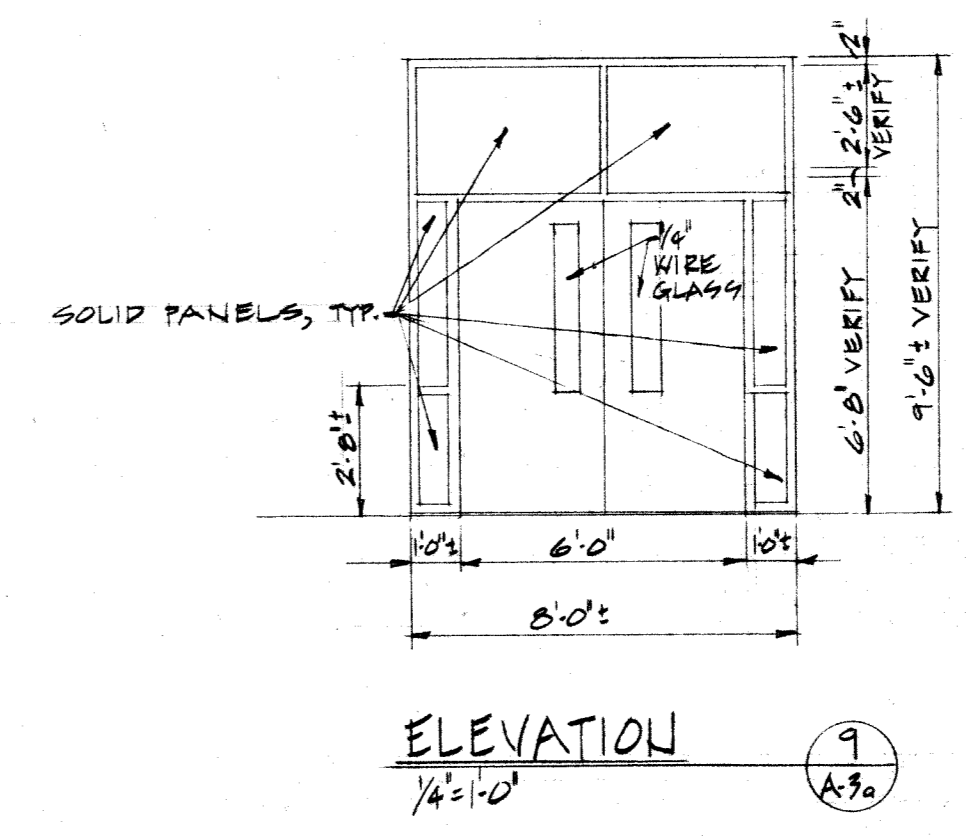
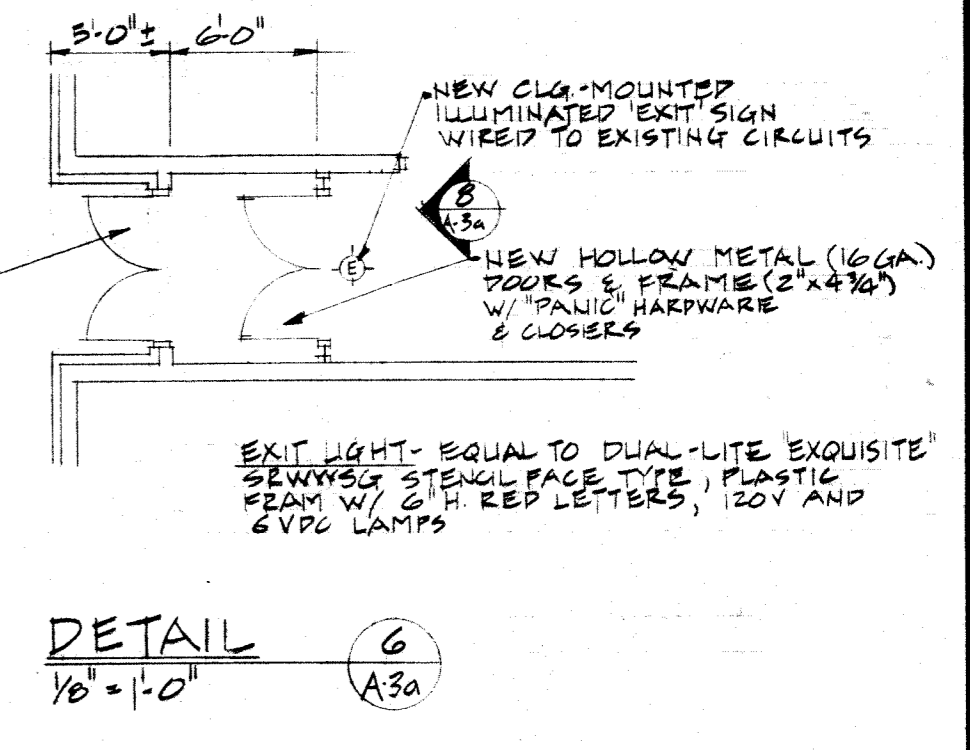
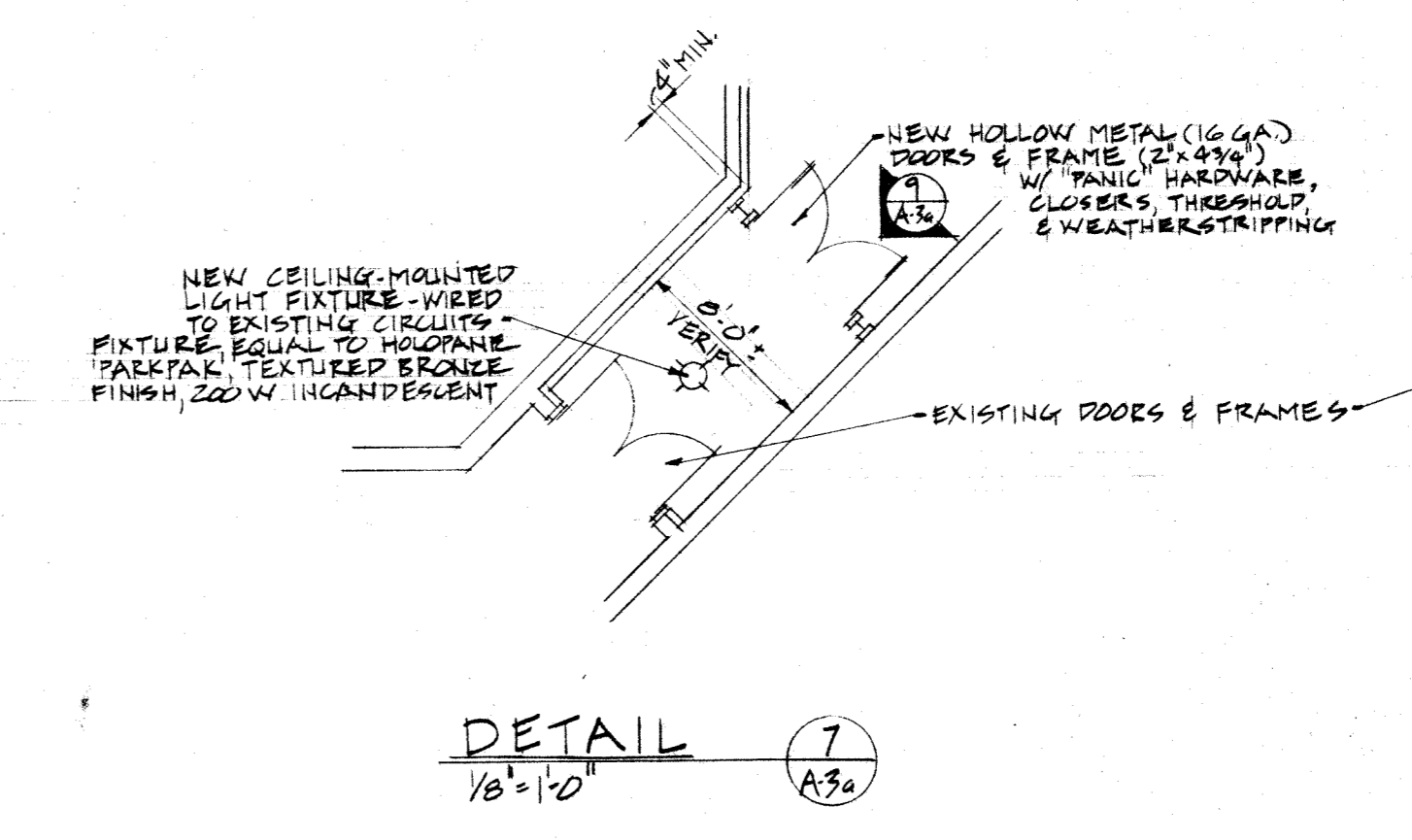
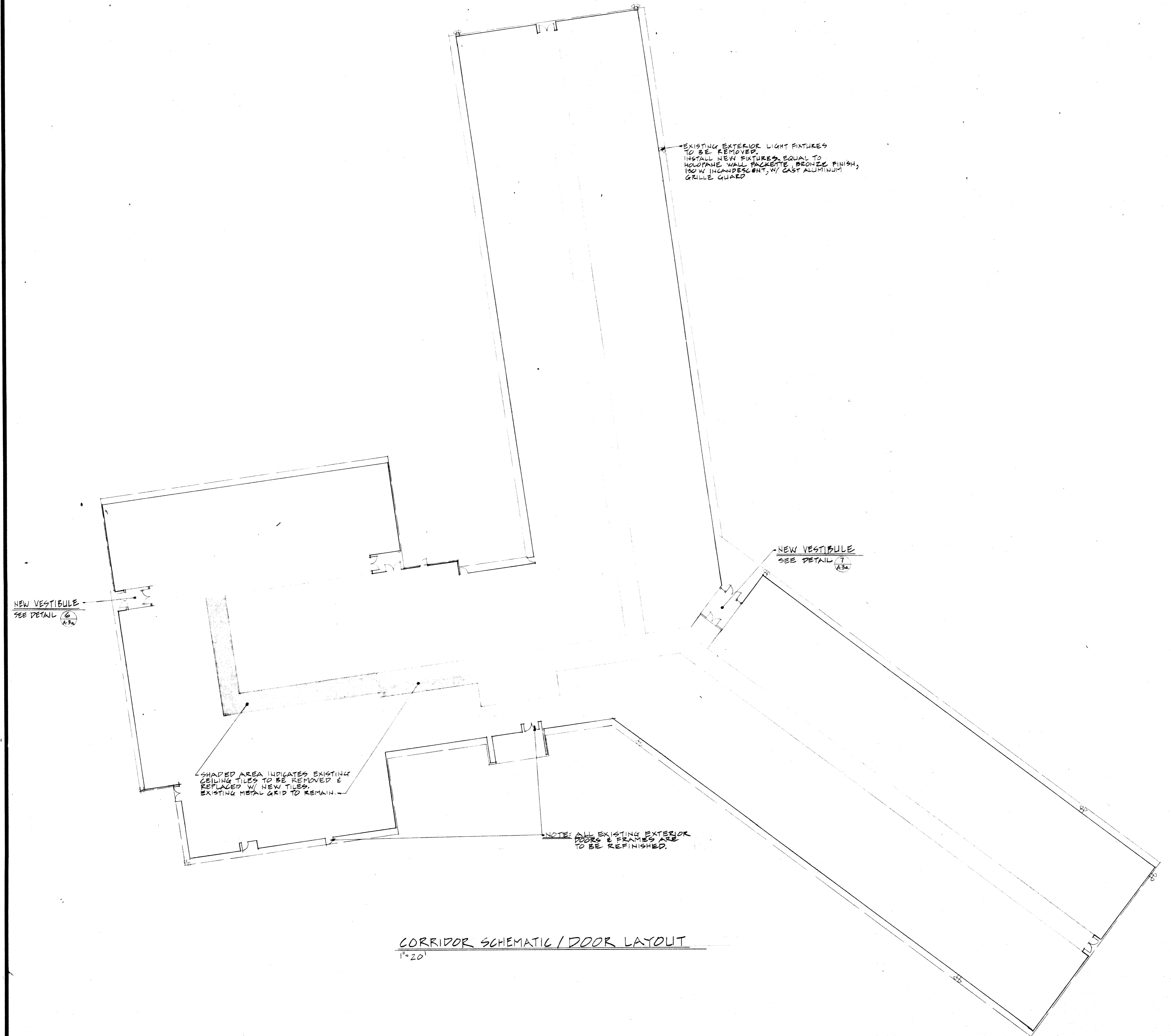
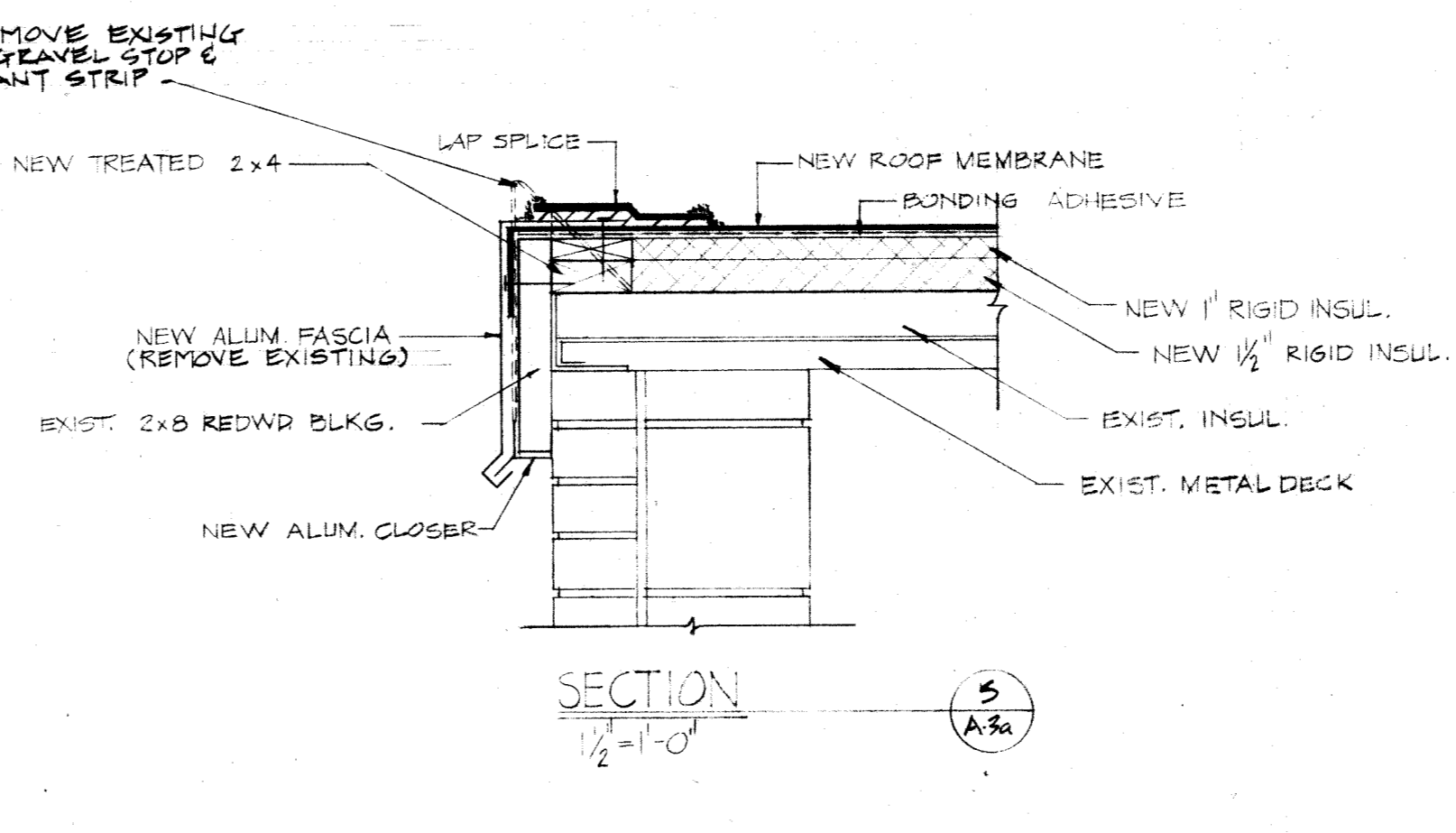
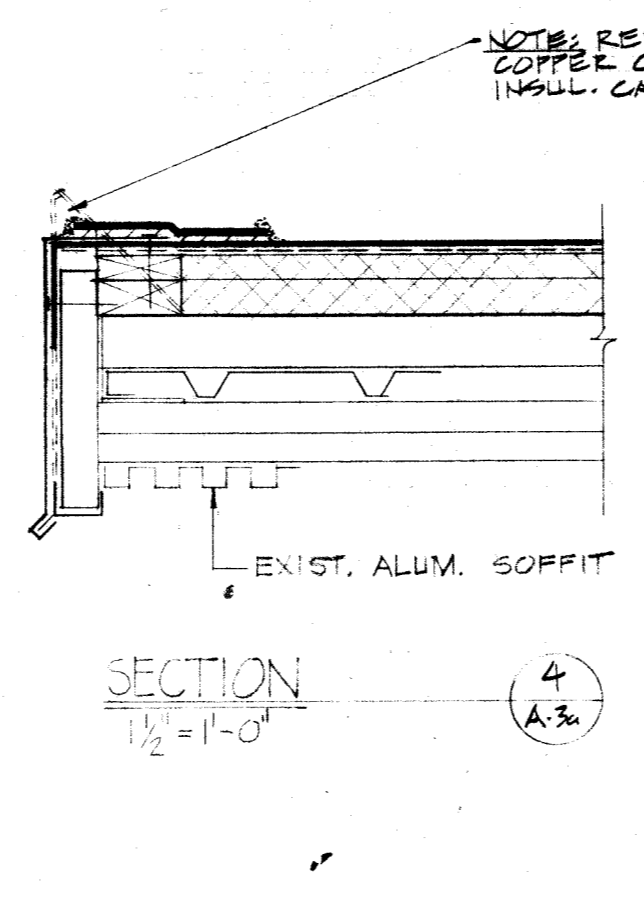
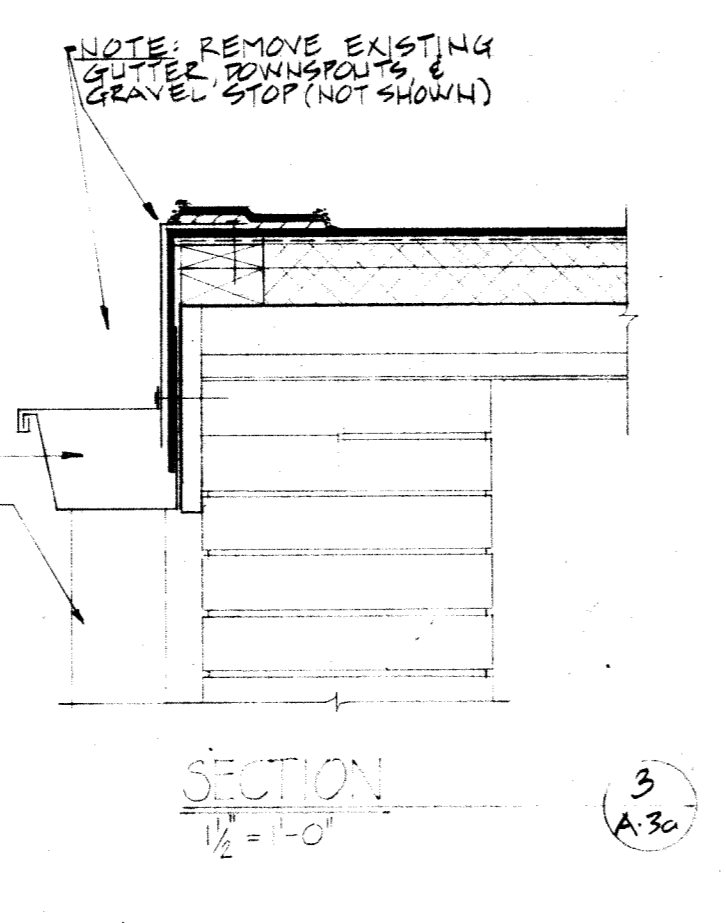
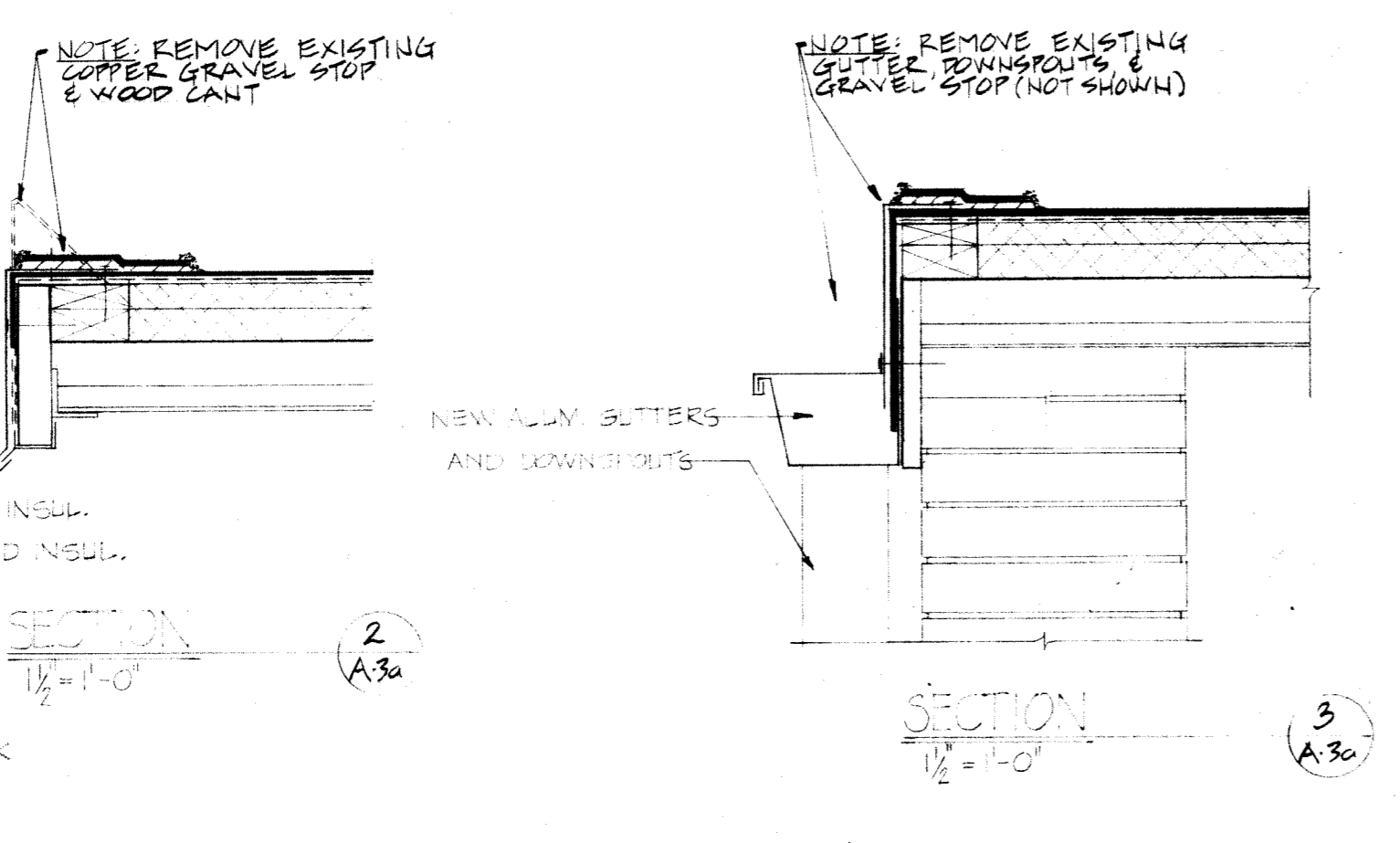
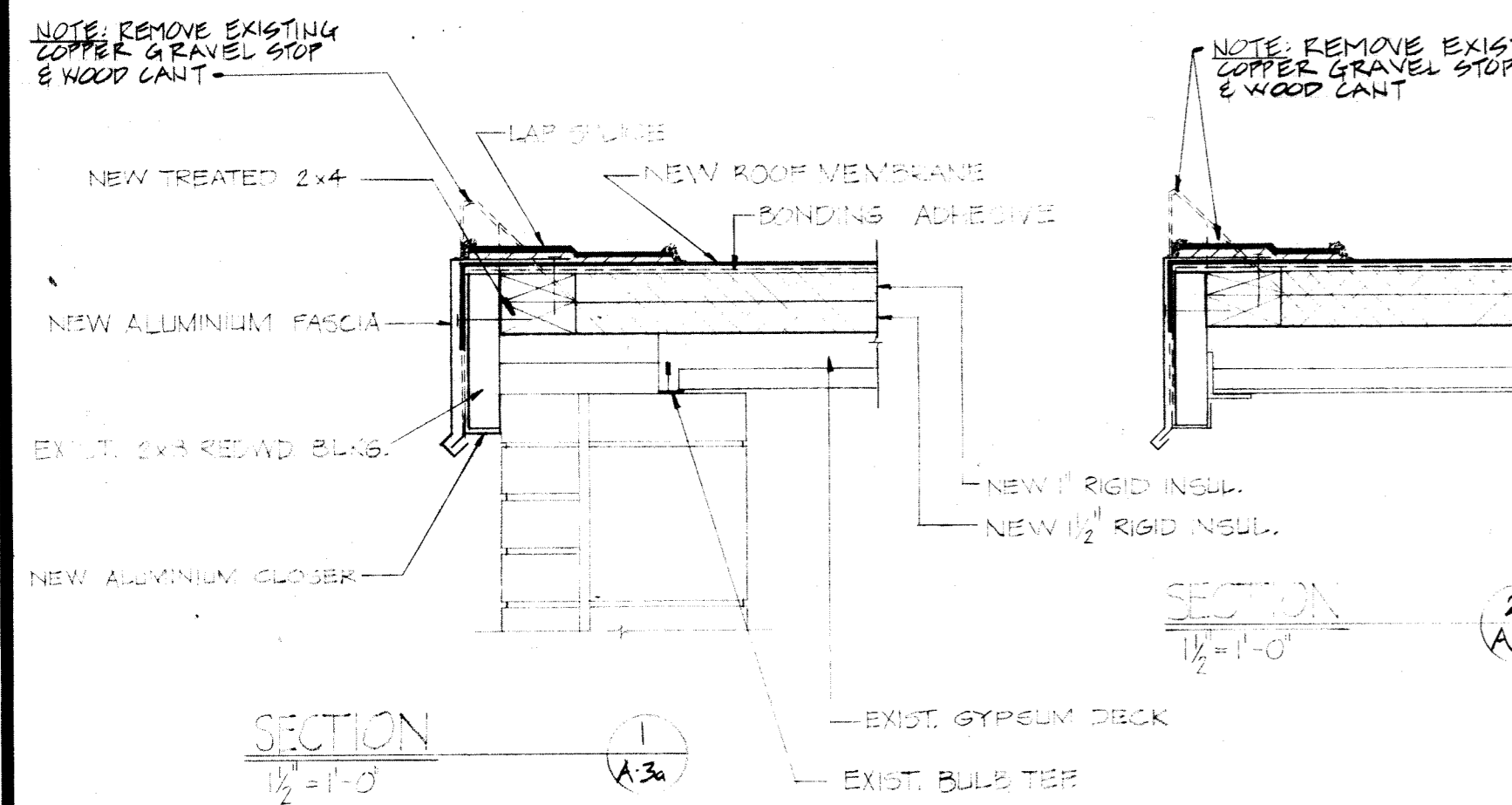
**NOTE:**  
 ALL EXISTING CATCH BASINS & MANHOLES SHALL BE RAISED OR LOWERED AS REQUIRED TO ALLOW POSITIVE DRAINAGE.

GENERAL CONTRACTOR TO CUT & FILL EXISTING EARTH SO AS TO PROVIDE GENTLE SLOPE TO NEW SIDEWALK. ALL DISTURBED EARTH SHALL BE SEEDS.

GENERAL CONTRACTOR TO CUT & FILL EXISTING EARTH SO AS TO PROVIDE GENTLE SLOPE TO NEW SIDEWALK. ALL DISTURBED EARTH SHALL BE SEEDS.

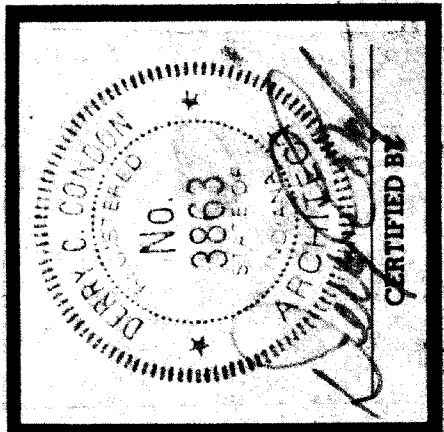
REMOVE EXISTING CONCRETE WALK - BY PAVING CONTRACTOR





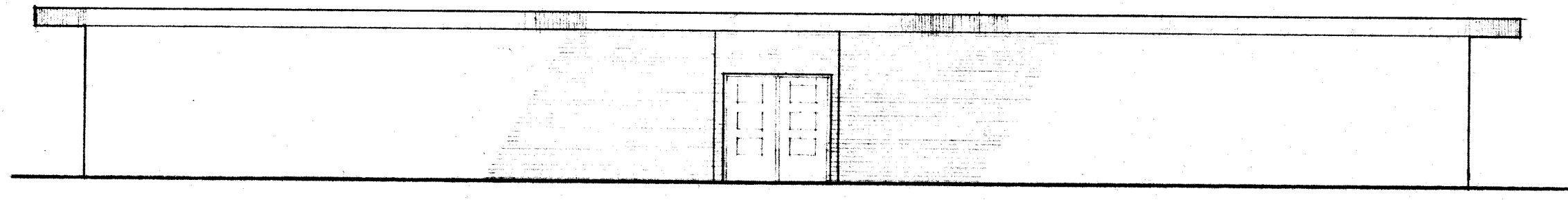
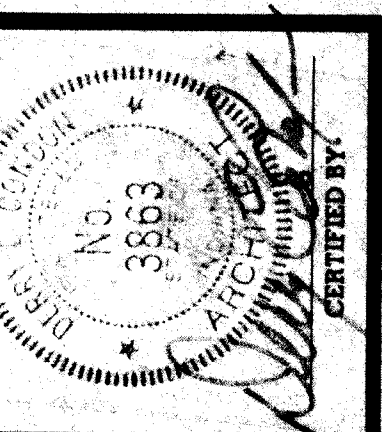
**WRIGHT PORTER & LOWE INC.**  
 ARCHITECTS: ENGINEERS  
 HARRISON HILL ELEMENTARY SCHOOL  
 INDIANAPOLIS, INDIANA  
 CORRIDOR SCHEMATIC / DOOR LAYOUT  
 ROOF DETAILS  
 VESTIBULE PLANS & ELEVATIONS

NO.	DATE	REVISIONS	DESCRIPTION	CONTR. NO.	DATE	DRAWN BY	CHECKED BY

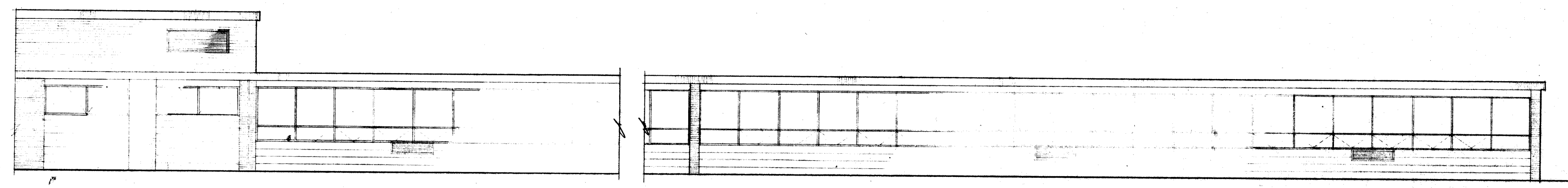


SHEET  
**A.3a**  
OF

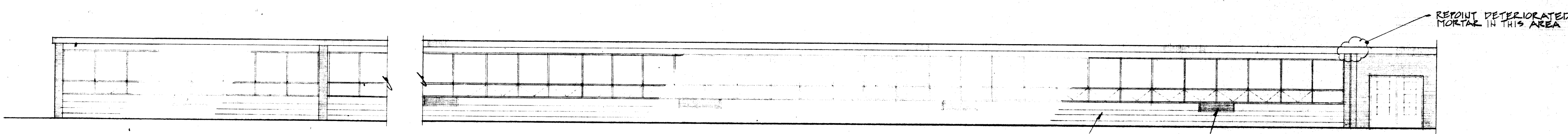
NO.	DATE	REVISIONS



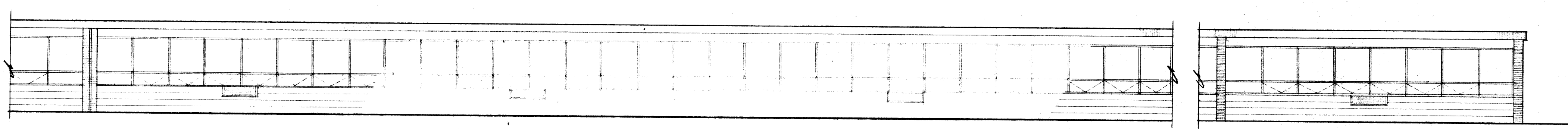
ELEVATIONS #1 & #4



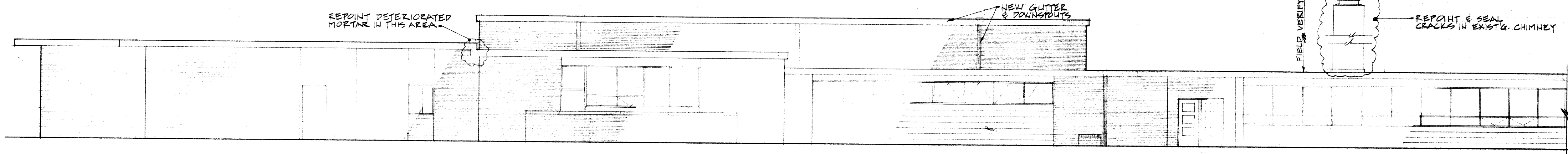
ELEVATION #2



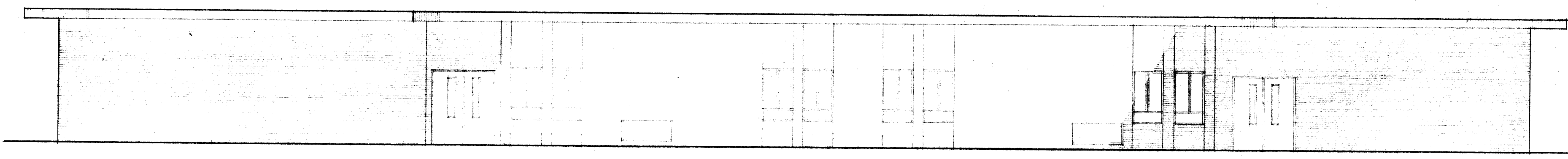
ELEVATION #3



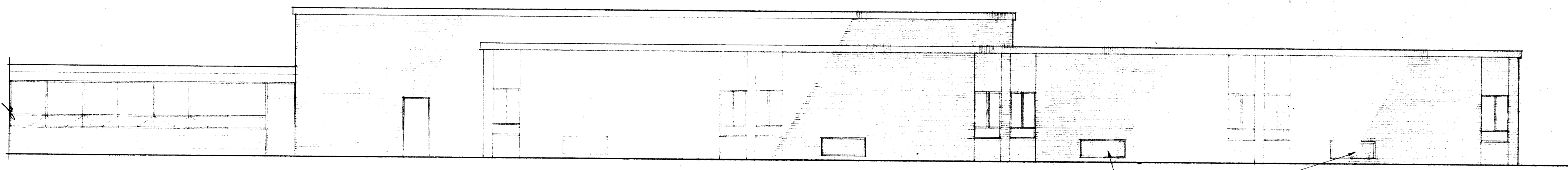
ELEVATION #5



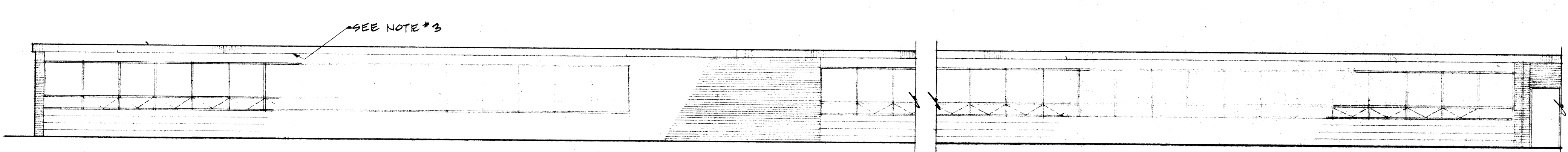
ELEVATION #6



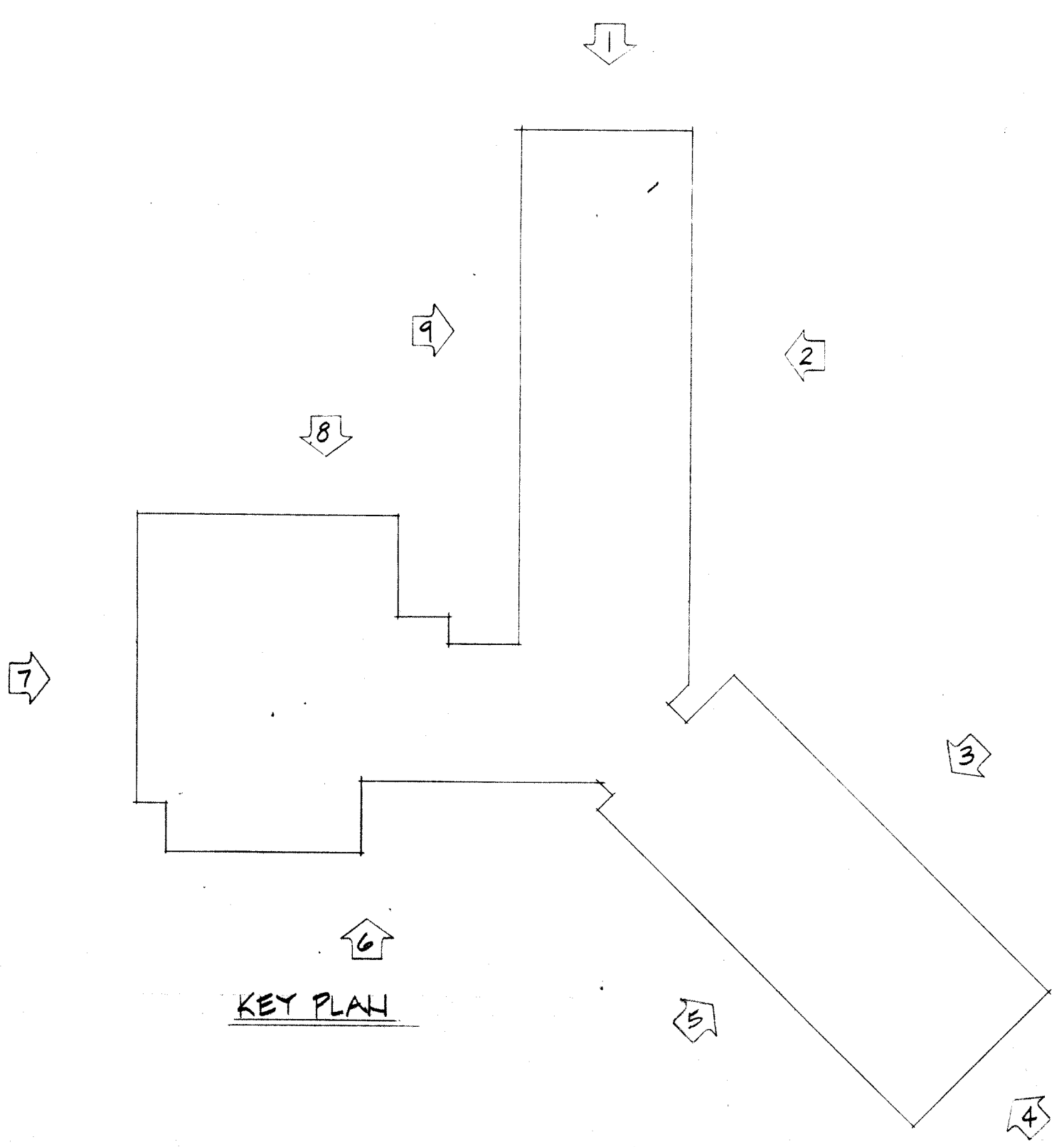
ELEVATION #7



ELEVATION #8

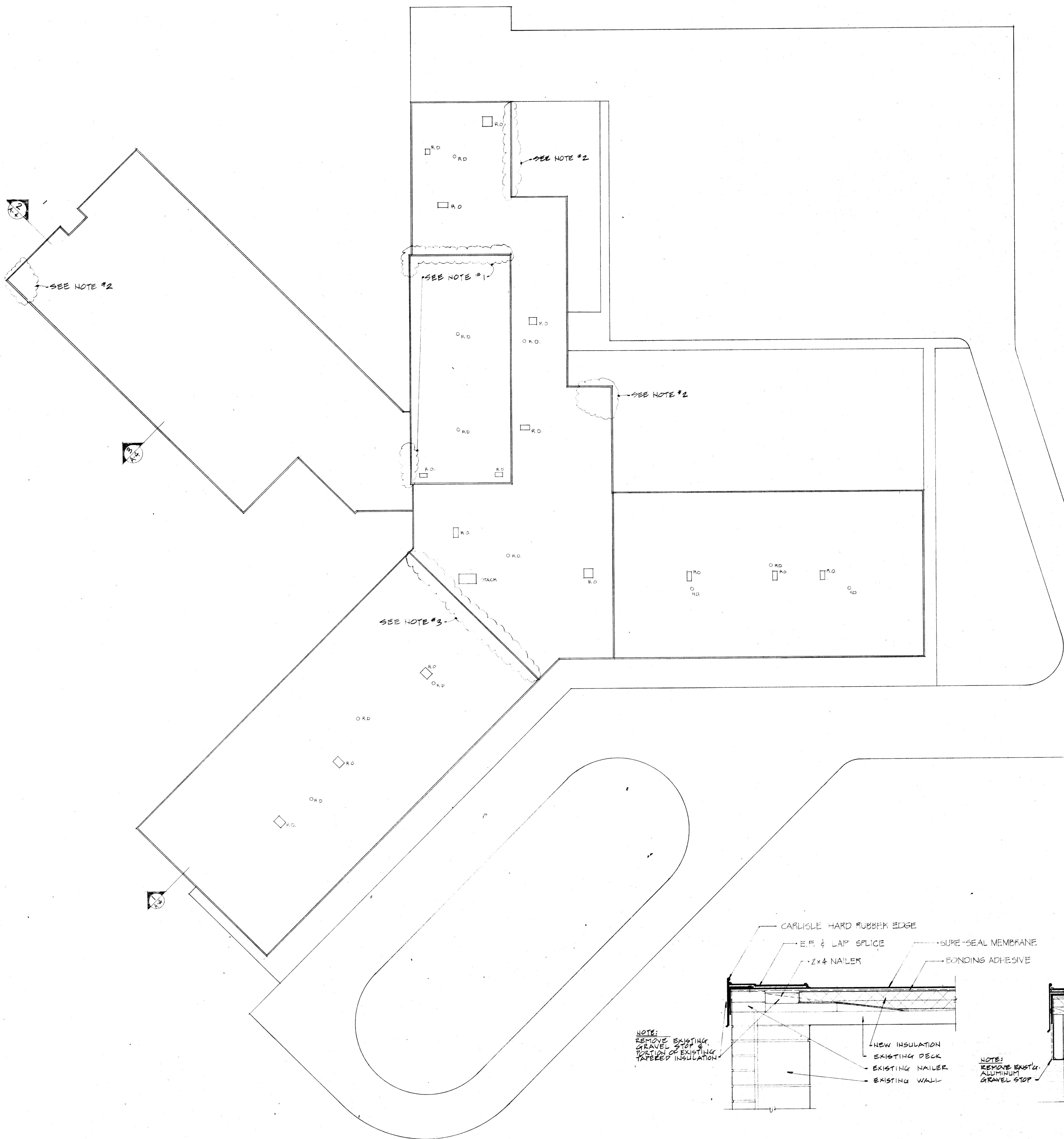


ELEVATION #9



- NOTES:**
1. REMOVE & REPLACE ALL GLASS, WINDOW SEALANT ONLY IN WINDOW UNITS THAT ARE NOT GLAZED.
  2. REMOVE EXISTING & INSTALL NEW GULKING IN ALL EXTERIOR LOUVERS.
  3. REFINISH ALL TECTUM DECK OVERHANGS & WOOD TRIM ABOVE WINDOWS.
  4. CLEAN & REPAINT ALL EXISTING BLOCK BELOW WINDOWS.





**NOTES:**

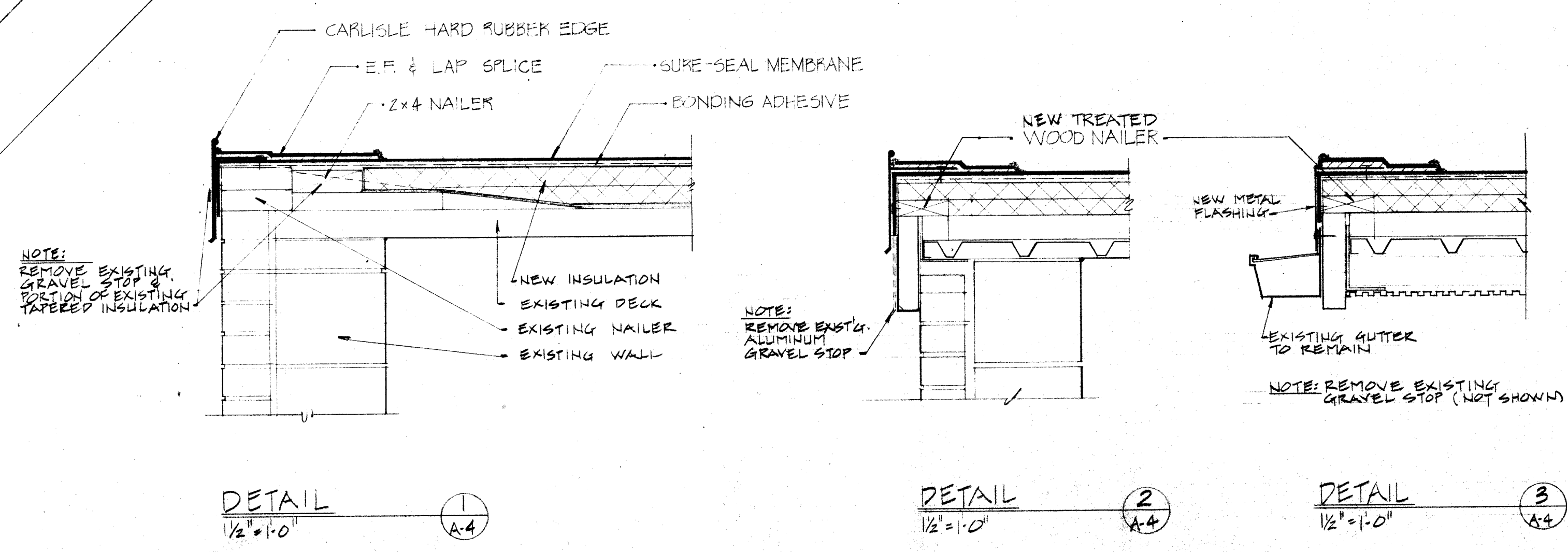
1. PATCH & REPAIR EXISTING FLASHING AT GYM ROOF WHERE INDICATED, ALSO PATCH & REPAIR EXISTING FLASHING WHERE GYM WALL MEETS BUILDING ROOF.
2. PATCH & REPAIR HOLE IN EXISTING ROOFING IN AREA INDICATED.
3. PATCH & REPAIR EXISTING FLASHING ALONG EXISTING EXPANSION JOINT.

**ALTERNATE A-1**

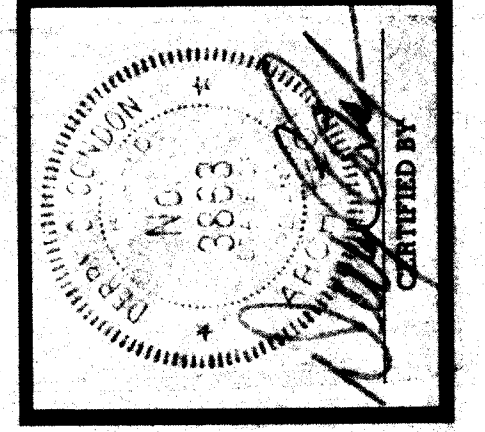
1. DISREGARD NOTES #1, 2, & 3 ABOVE.
2. RE-ROOF ENTIRE BUILDING, USING 'ADHERED' MEMBRANE SYSTEM OVER NEW INSULATION. REFER TO DETAILS, THIS SHEET.

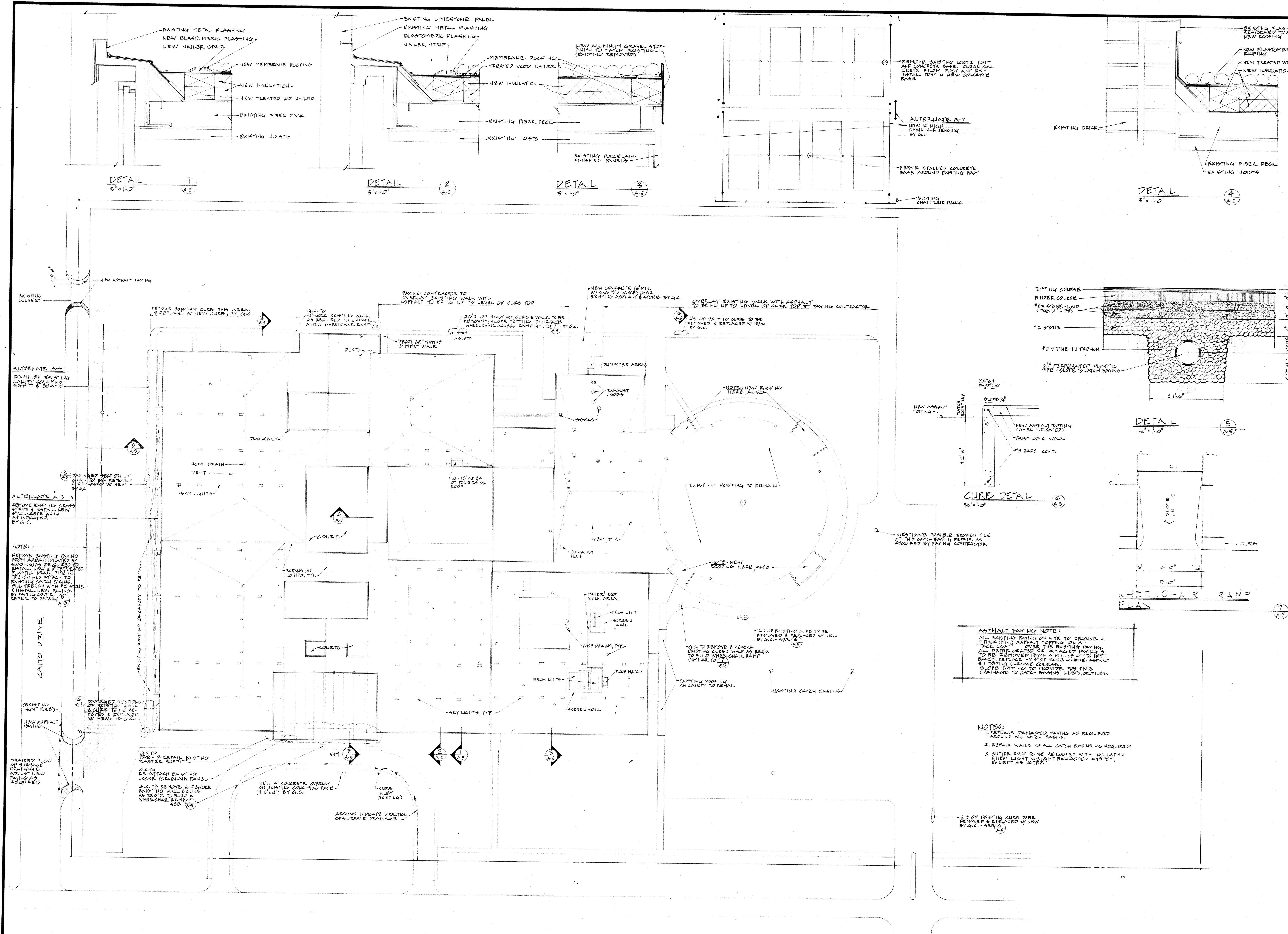
4. WOOD NAILERS SHALL BE LOCATED IN SUCH A FASHION SO AS TO PREVENT DAMAGED FROM BEING EXPOSED TO THE EYE ON THE BOTTOM OF THE ROOF DECK.

ROOF PLAN  
1" = 30'



NO.	DATE	REVISIONS DESCRIPTION	FORM. NO.	COM. NO.



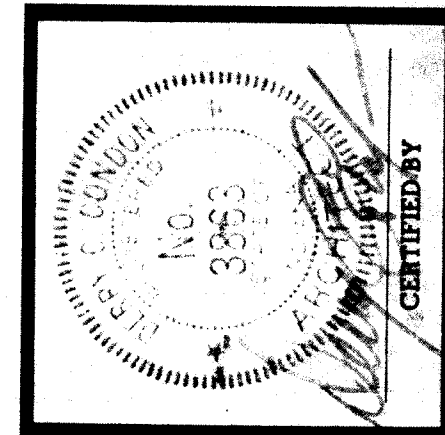


**ASPHALT PAVING NOTE:**  
 ALL EXISTING PAVING ON SITE TO RECEIVE A 1" THICK (MIN) ASPHALT TOPPING ON A TACK COAT OVER THE EXISTING PAVING. ALL DETERIORATED OR DAMAGED PAVING IS TO BE REPLACED WITH A MIN OF 6" TO 8" BASE. REPLACE W/ 4" OF BASE COURSE ASPHALT & 1" TOPPING COURSE COURSE. SLOPE TOPPING TO PROVIDE POSITIVE DRAINAGE TO CATCH BASINS, INLETS, OR TILES.

**NOTES:**  
 1. REPLACE DAMAGED PAVING AS REQUIRED AROUND ALL CATCH BASINS.  
 2. REPAIR WALLS OF ALL CATCH BASINS AS REQUIRED.  
 3. ENTIRE ROOF TO BE REWORKED WITH INSULATION & NEW LIGHT WEIGHT BALLASTED SYSTEM, EXCEPT AS NOTED.

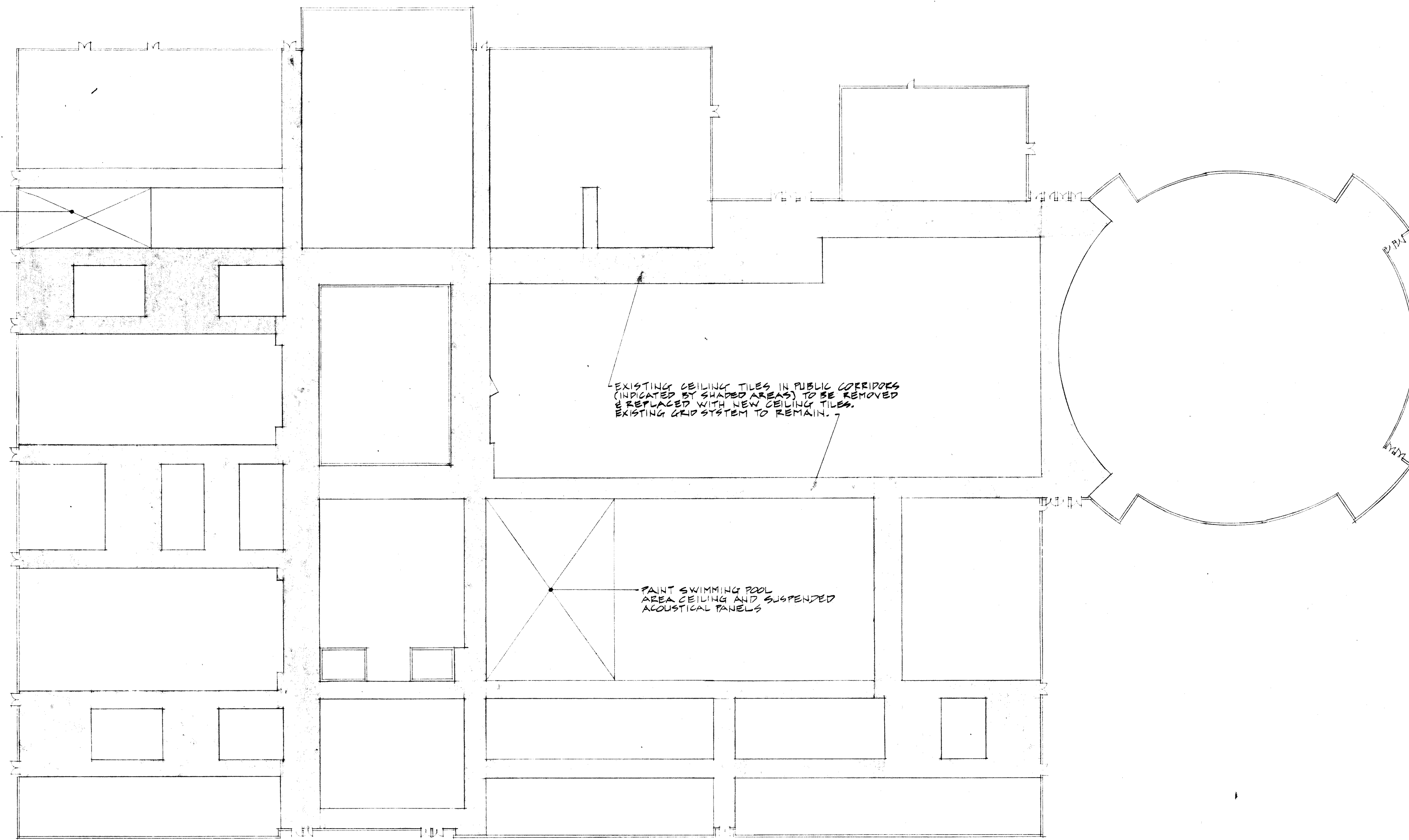
1/2" OF EXISTING CURB TO BE REMOVED & REPLACED W/ NEW BY C.C. (SEE 2)

NO.	DATE	REVISIONS	DESCRIPTION	COMD. NO.	DATE	DATE	DRAWN BY	CHECKED BY



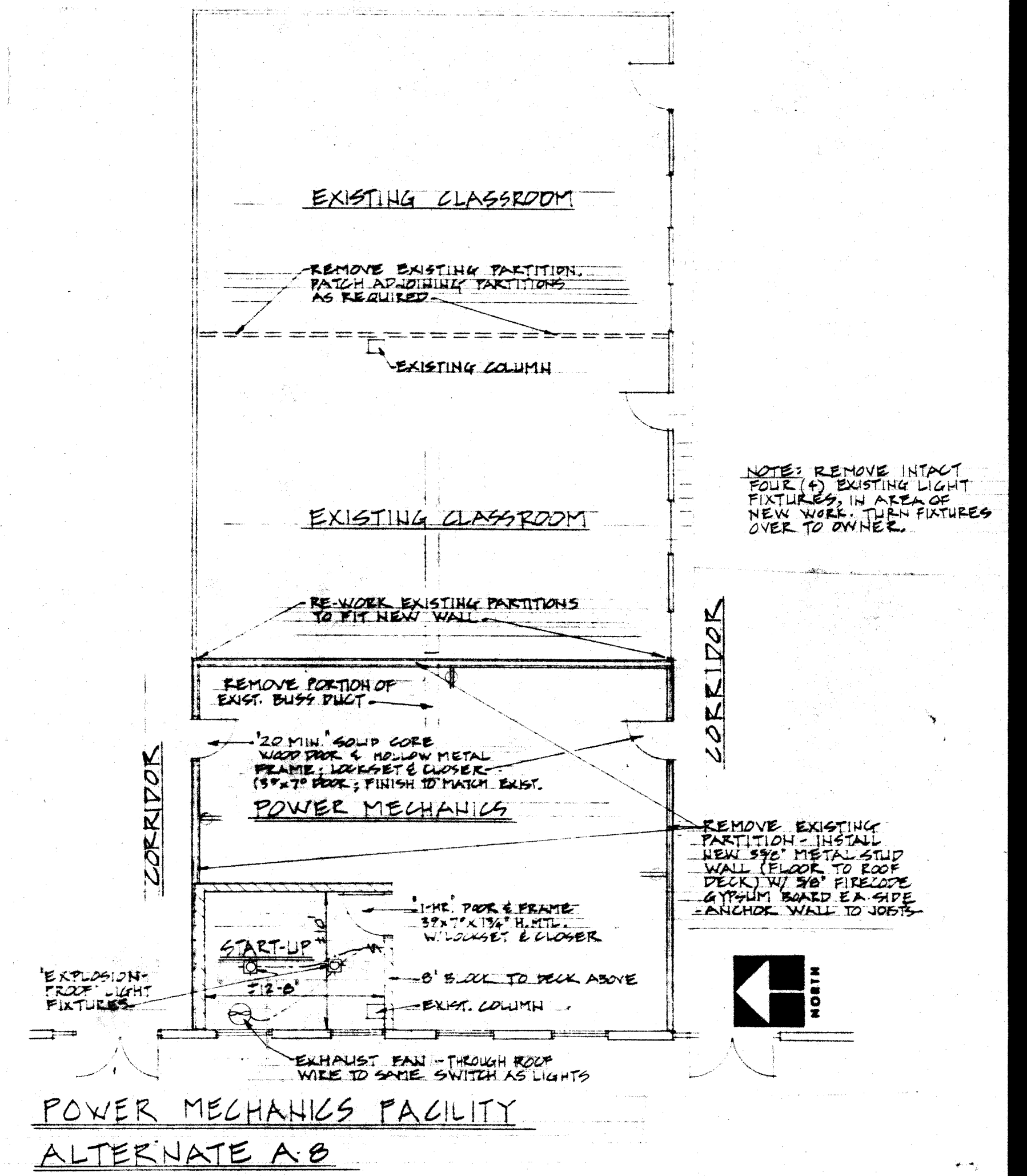
**ROOF PLAN / PAVING PLAN**  
 1/4" = 1'-0"

POWER MECHANICS AREA  
SEE PLAN VIEW THIS SHEET



CORRIDOR SCHEMATIC / DOOR LAYOUT PLAN

1" = 40'



POWER MECHANICS FACILITY  
ALTERNATE A & B

NOTE: ALL MECHANICAL & ELECTRICAL WORK WITHIN THE POWER MECHANICS AREA IS TO BE PERFORMED BY THE GENERAL CONTRACTOR.

LIGHT FIXTURES EQUAL TO CROSS-HING \* EYSK. 1410  
EXHAUST FANS EQUAL TO PENN MODEL #PS-45  
800 C.F.M. @ 25" S.P., W/ FLEND ROOF CURB  
FAN MODEL: 1/2" H.P., 115V, 1P, 60 HZ, EXPLOSION PROOF  
LIGHT & BALL SWITCH: EQUAL TO CROSS-HING \* EFS 2129  
800 C.F.M. FAN

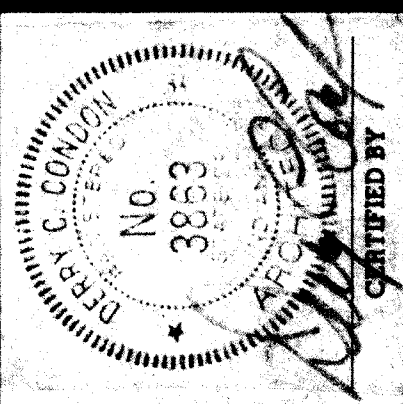
FINISHES: (COLORS TO MATCH EXISTING)  
MASONRY - BRICK PAINT  
DOORS - PAINTED  
PARTITIONS - WHITE WALL COVERING ON CORRIDOR SIDE  
BRICK PAINT ON ROOM SIDE

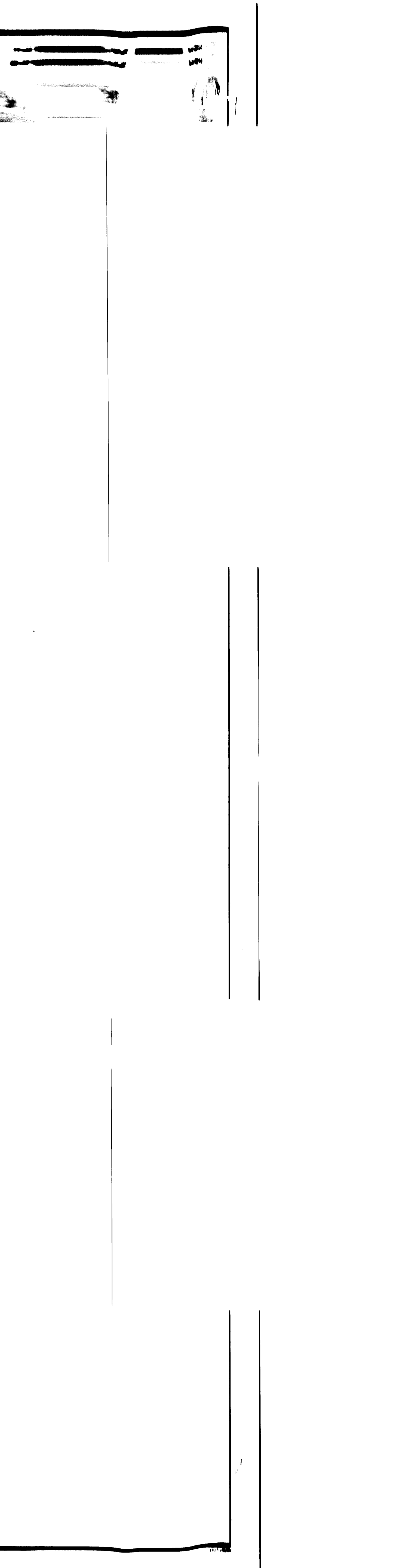
EXISTING PARTITIONS ARE TO BE REMOVED INTACT & TURNED OVER TO OWNER.

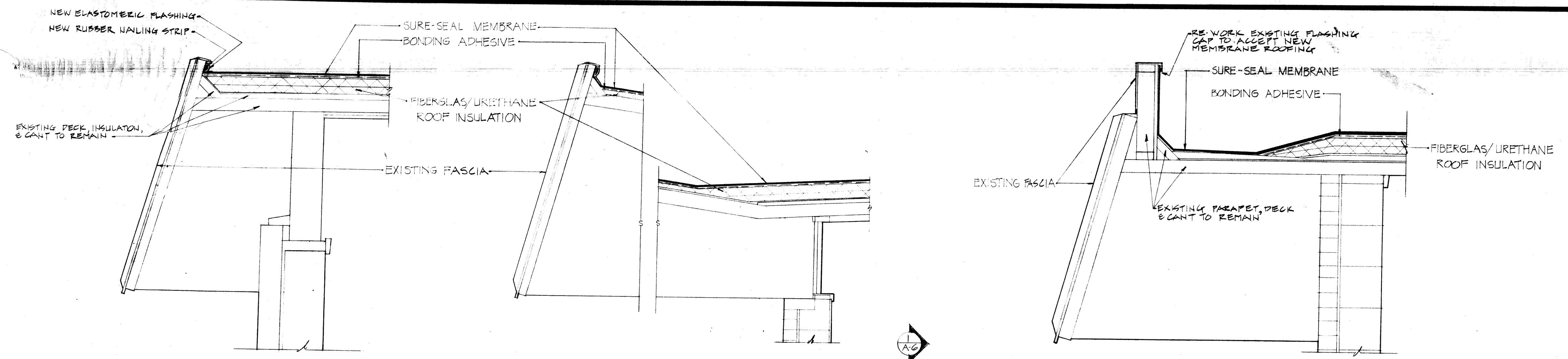
NOTE: REMOVE INTACT POLK (4) EXISTING LIGHT FIXTURES IN AREA OF NEW WOOD FLOOR FEATURES OVER TO OWNER.

REMOVE EXISTING PARTITION. INSTALL NEW 3/4\"/>

NO.	DATE	REVISIONS DESCRIPTION	COMM. NO.	DATE	BY	CHECKED BY



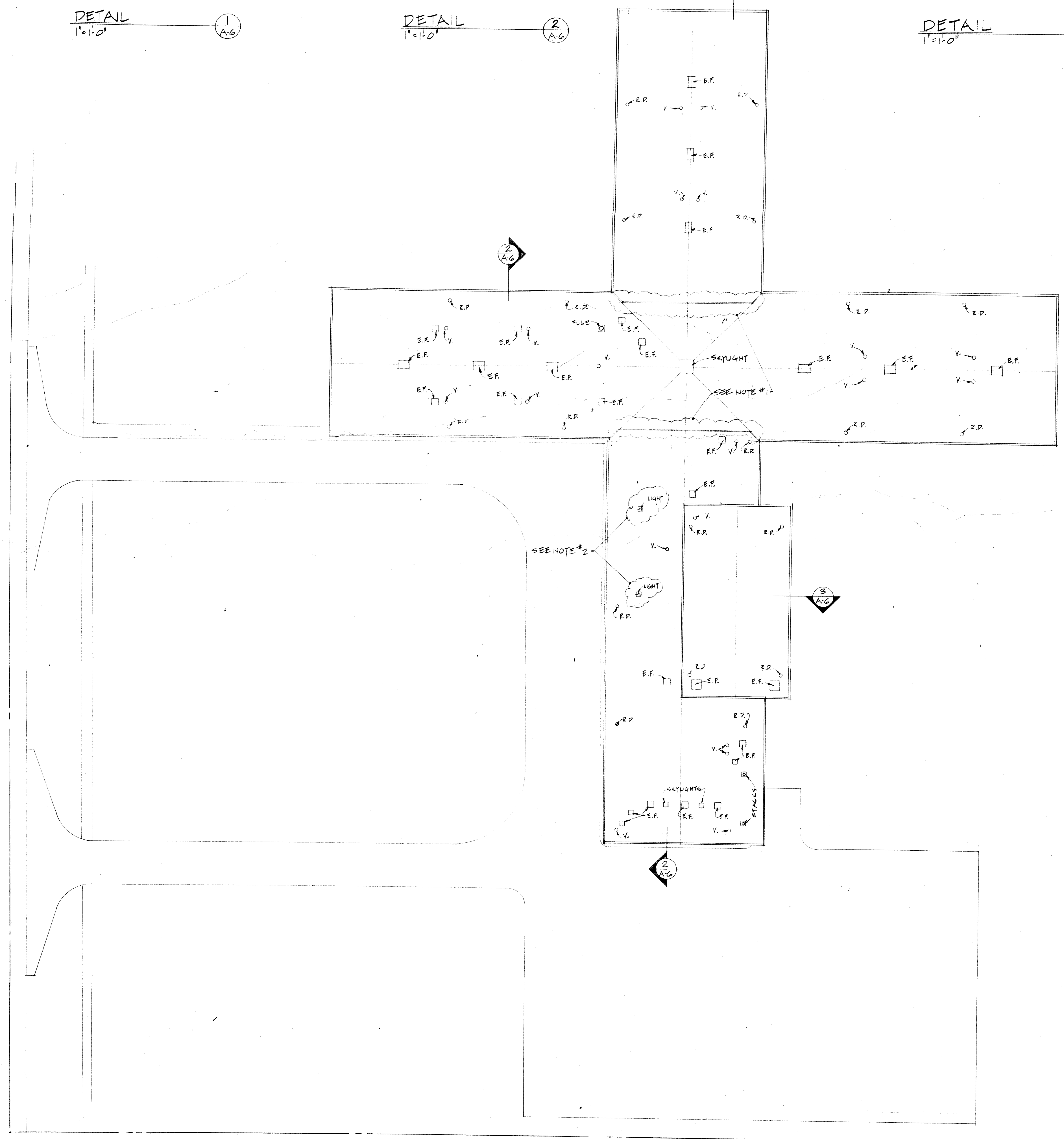




DETAIL 1  
1"=1'-0" (1 A/G)

DETAIL 2  
1"=1'-0" (2 A/G)

DETAIL 3  
1"=1'-0" (3 A/G)

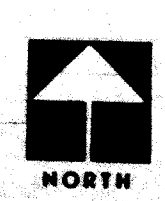


- NOTES:**
1. PATCH & REPAIR EXISTING ROOFING & FLASHING ALONG EXPANSION JOINTS.
  2. PATCH & REPAIR LEAKS AROUND ROOF MOUNTED LIGHTS.
  3. R.D. = ROOF DRAIN; V. = VENT; E.F. = EXHAUST FAN

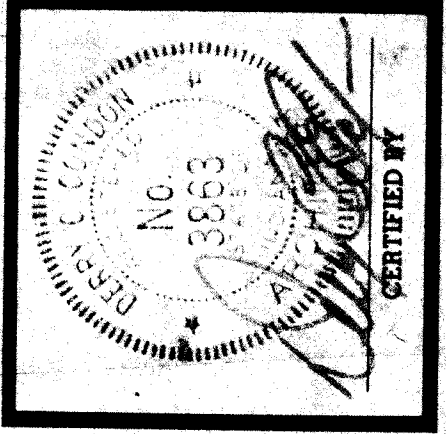
**ALTERNATE A-2**  
 PREPARE NOTES #1 & 2: RE. ROOF ENTIRE BUILDING WITH AN ADHERED MEMBRANE SYSTEM. SEE DETAILS THROUGHT.

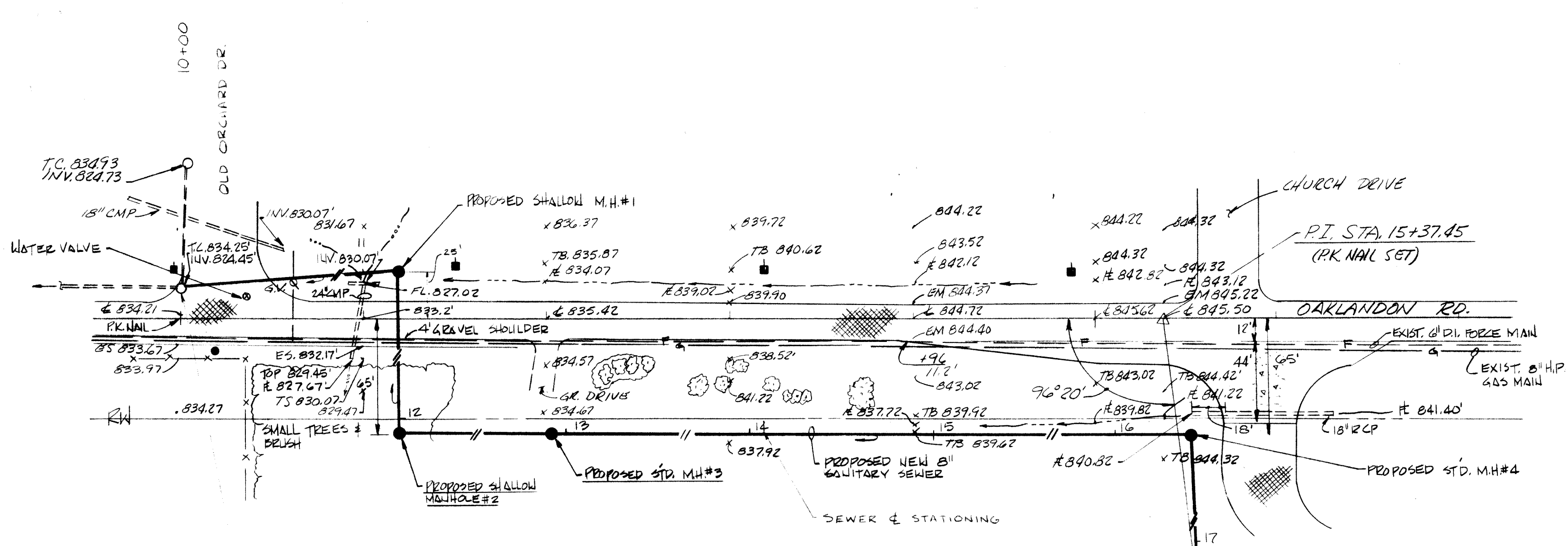
4. WOOD NAILERS SHALL BE LOCATED IN SUCH A FASHION AS TO PREVENT FASTENERS FROM BEING EXPOSED TO THE EYE ON THE BOTTOM SIDE OF THE ROOF DECK.

ROOF PLAN  
1"=1'-0"

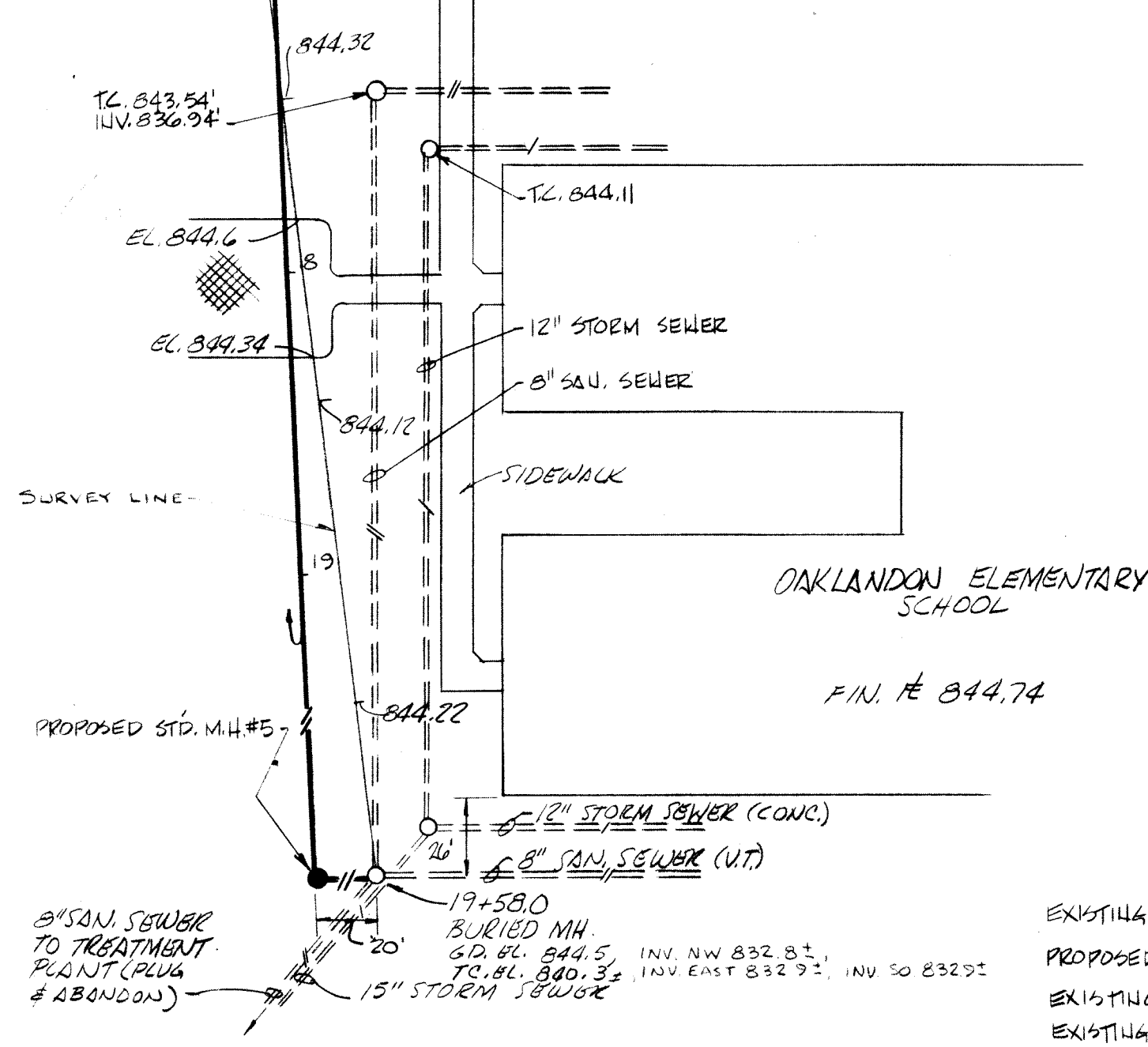


NO.	DATE	REVISIONS	DESCRIPTION	COMD. NO.	DATE	DRAWN BY	CHECKED BY

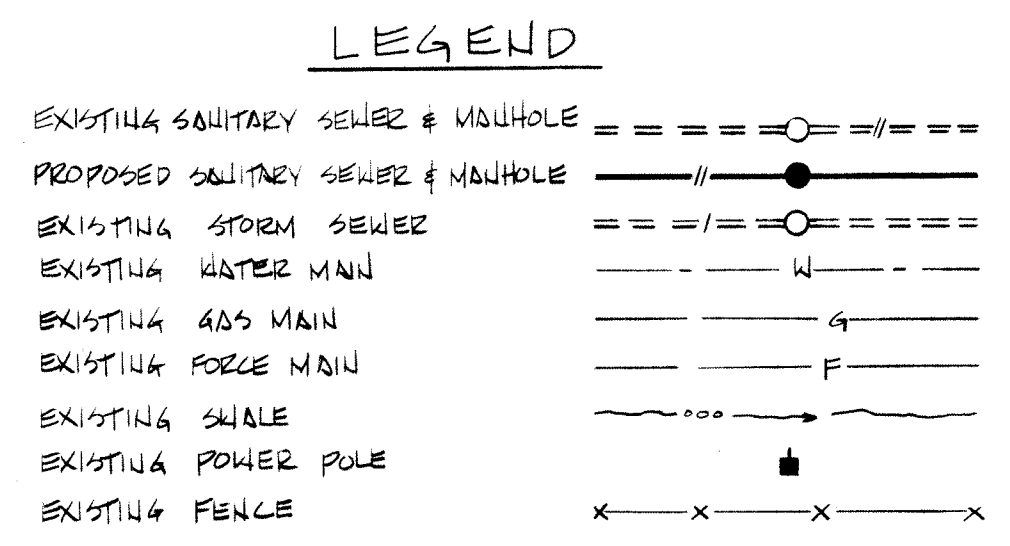




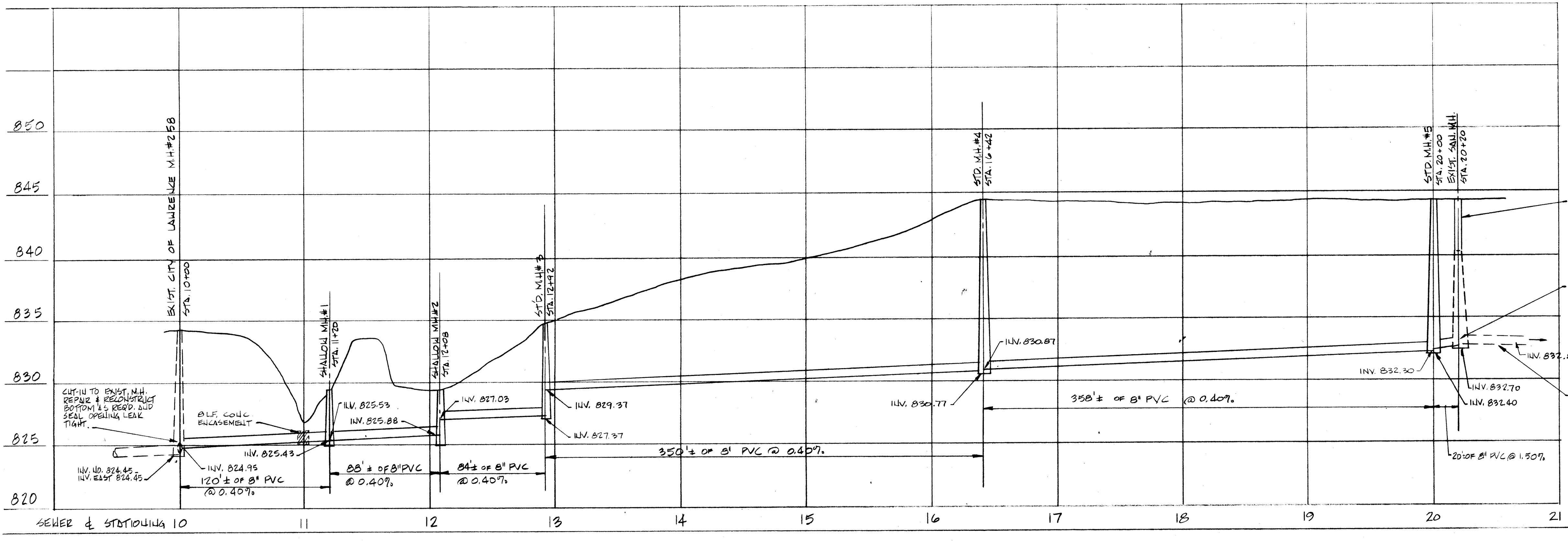
- NOTES:
- CONTRACTOR SHALL OBTAIN ALL PERMITS AND PAY ALL FEES, INCLUDING STREET CUT PERMITS, NECESSARY FOR THE INSTALLATION OF THE SANITARY SEWER.
  - EXISTING GAS, WATER, TELEPHONE, ELECTRIC, FORCE MAINS, ETC. ARE SHOWN ONLY TO REPRESENT THAT SUCH UTILITIES MAY EXIST. THEIR EXISTENCE AND THEIR EXACT LOCATION, MATERIAL, AND DEPTH SHALL BE DETERMINED BY THE CONTRACTOR PRIOR TO STARTING CONSTRUCTION. ANY DIRECT CONFLICTS BETWEEN THE UTILITIES AND THE CROSS-SECTIONAL AREA OF THE PROPOSED SEWER SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO STARTING CONSTRUCTION.
  - PROTECTION AND/OR BRACING OF EXISTING UTILITIES, NEAR, IN, OR THROUGH THE TRENCH AND/OR CONSTRUCTION AREAS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE AT HIS COST. ALL AS PER THE REQUIREMENTS OF THE RESPECTIVE UTILITIES AND EFFECTIVE CODES AND REGULATIONS.



PLAN SCALE: 1"=50'



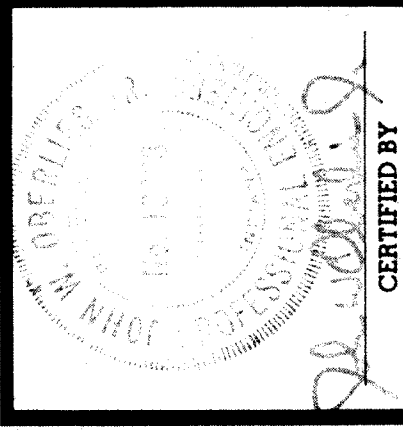
TBM TOP OF CAST-IRON CITY OF LAWRENCE MANHOLE NO. 25B SURVEY STA. 17+00.17' LT. EL. 834.25 (ASSUMED) (THIS IS NOT A TBM)



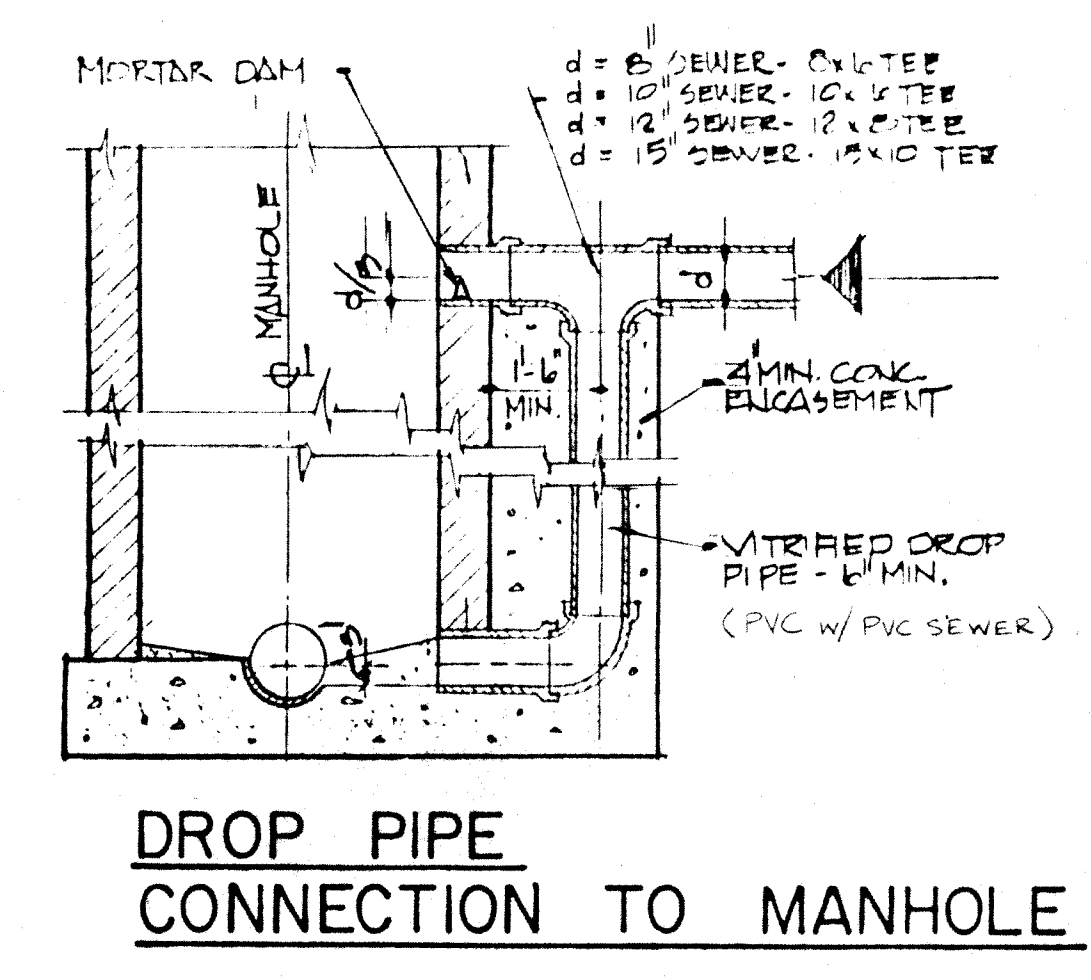
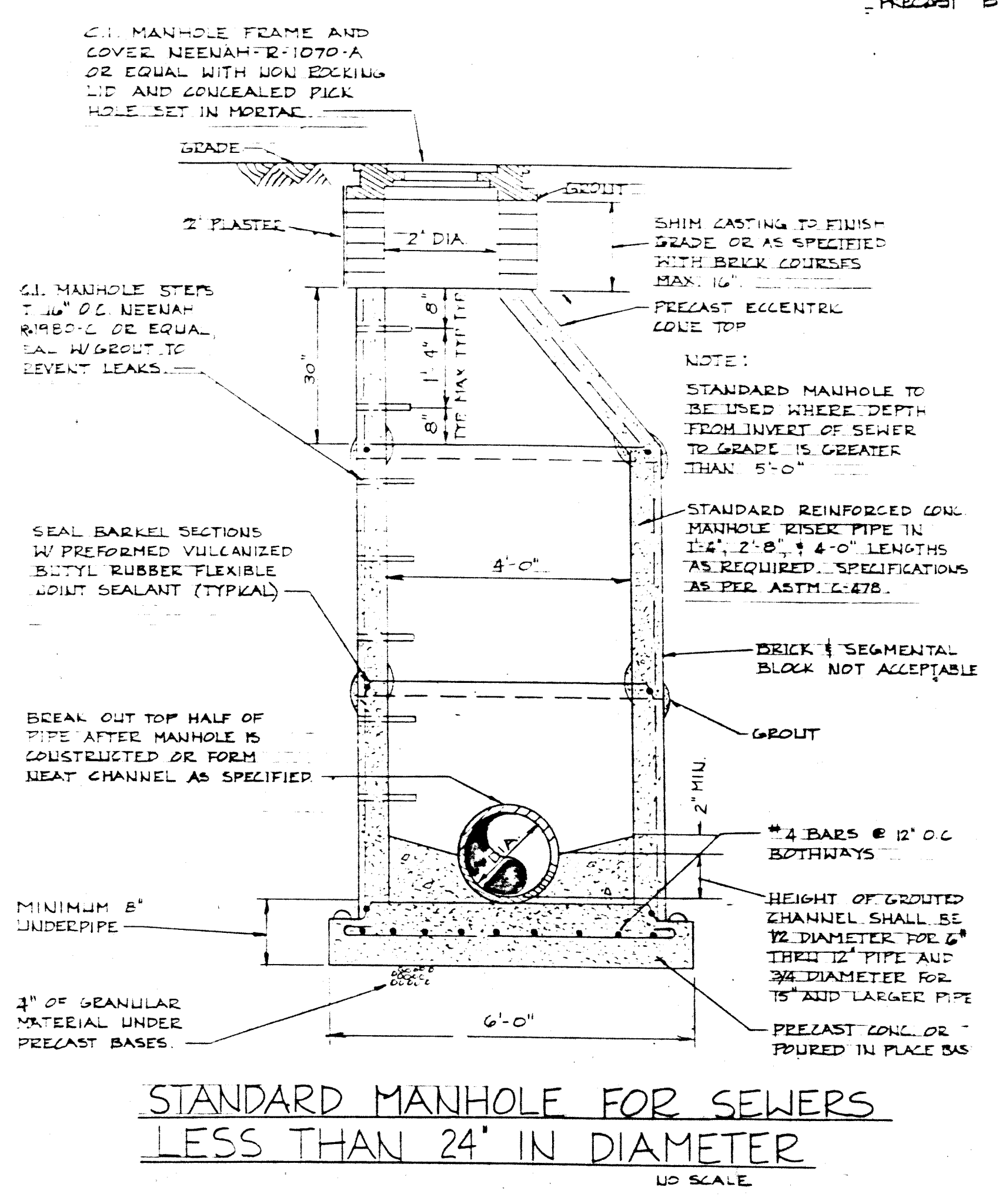
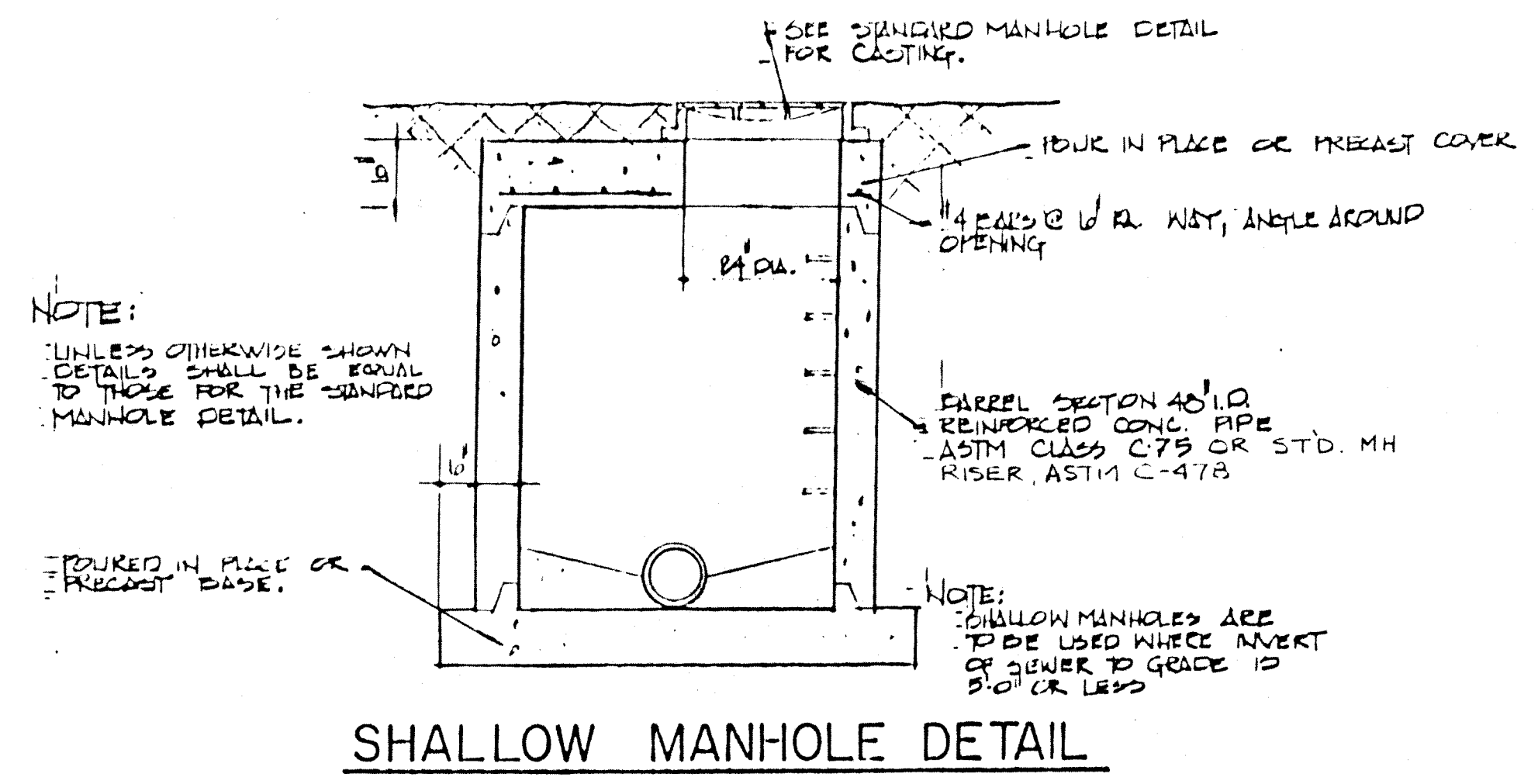
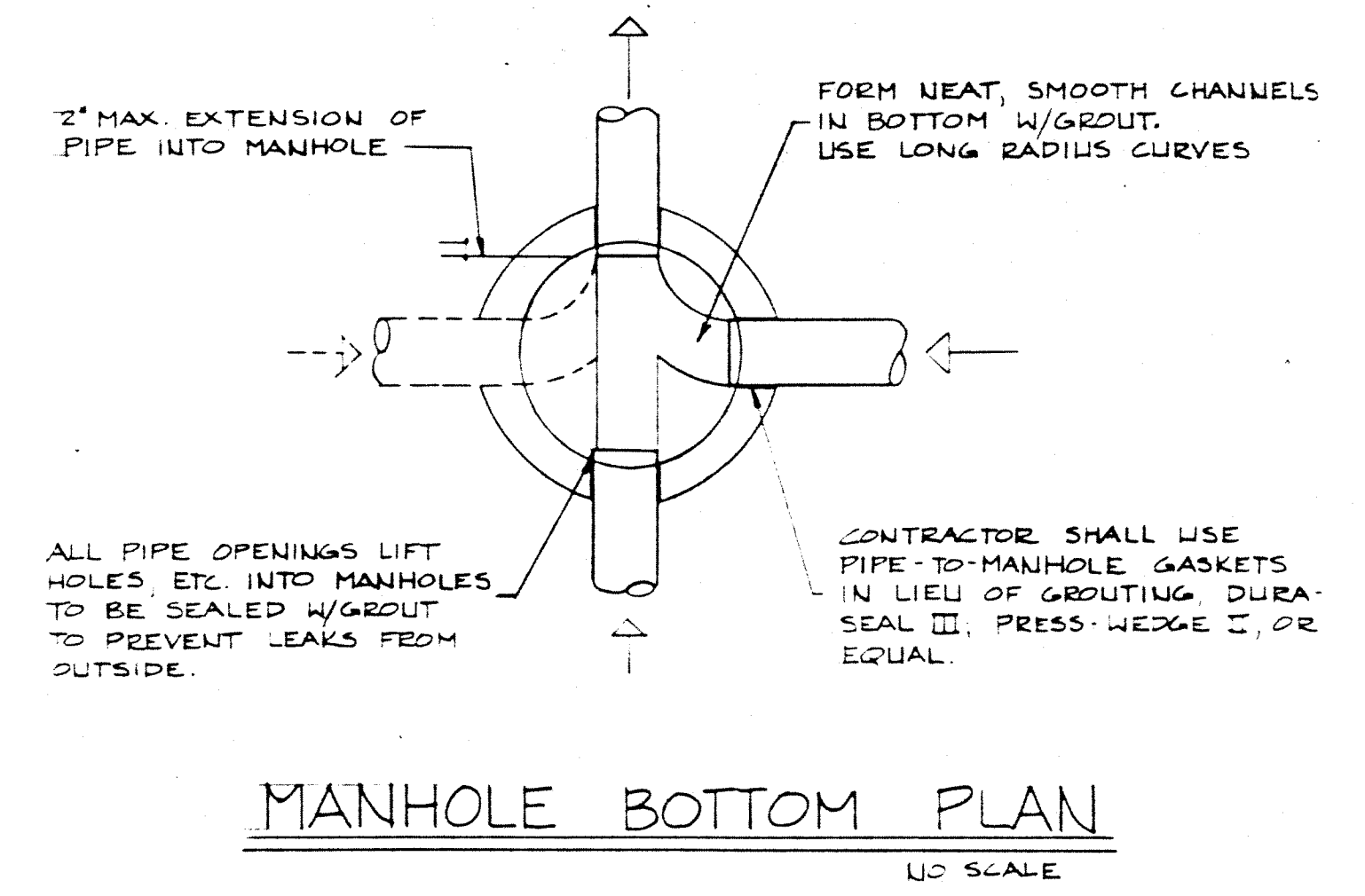
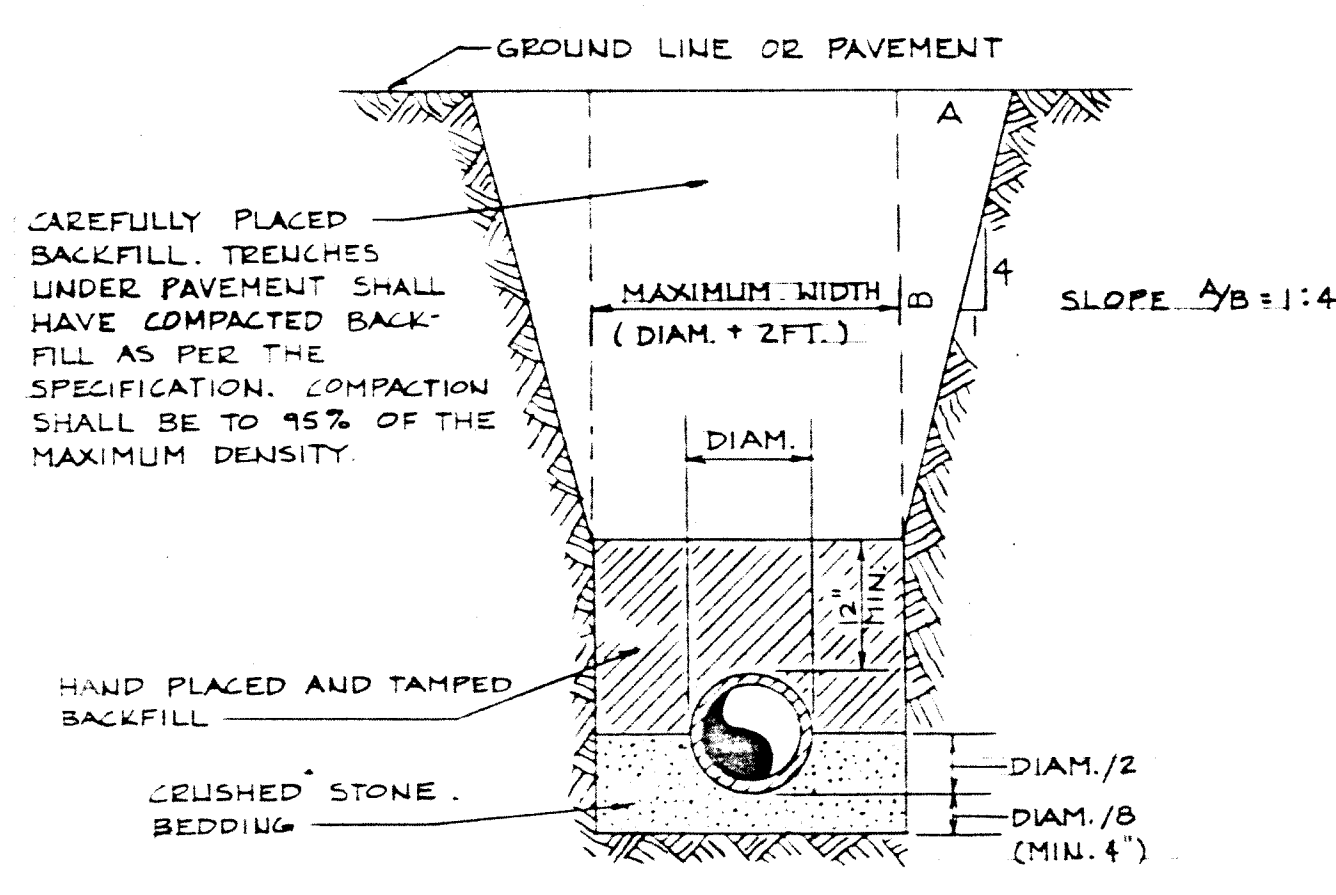
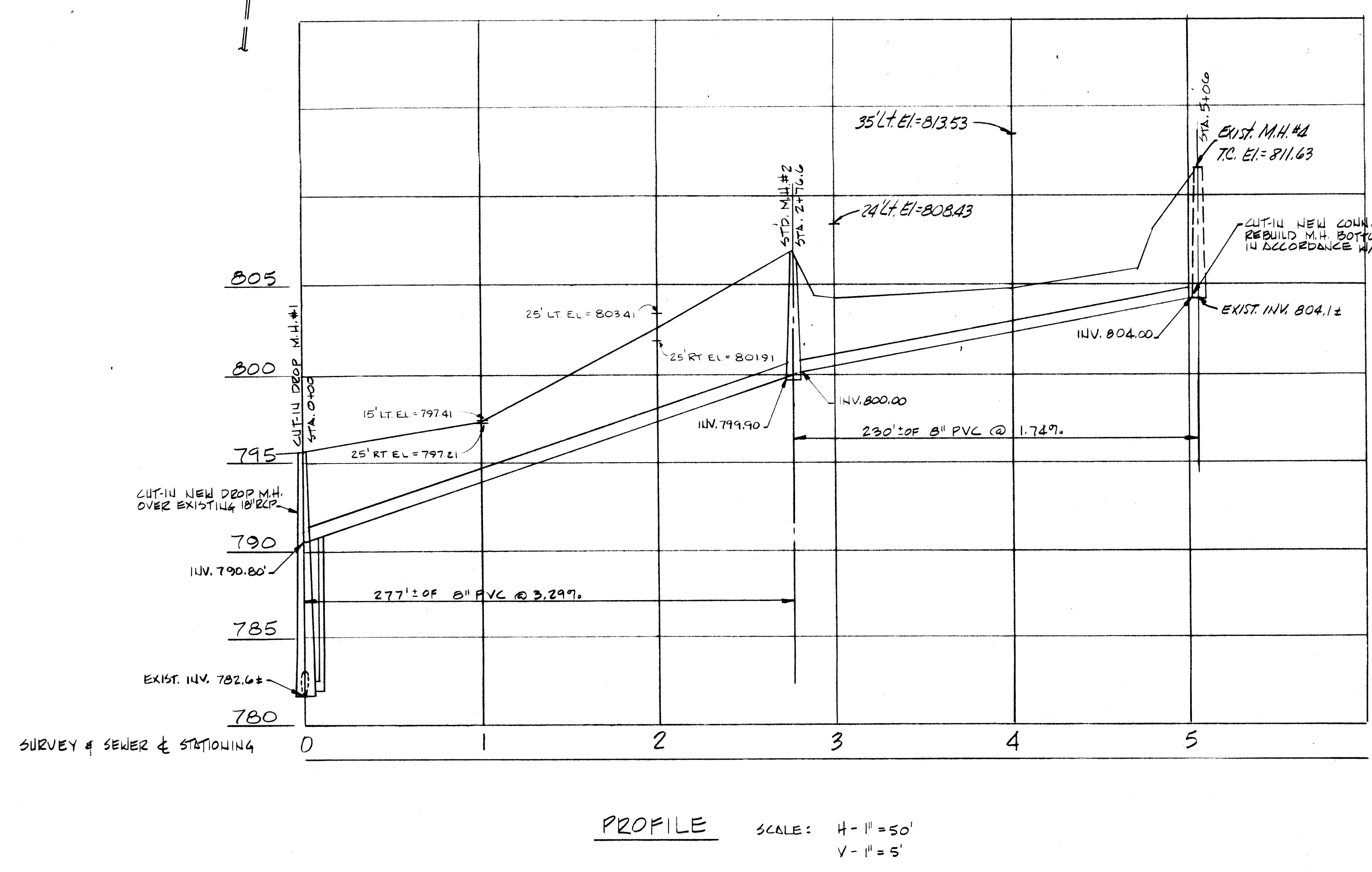
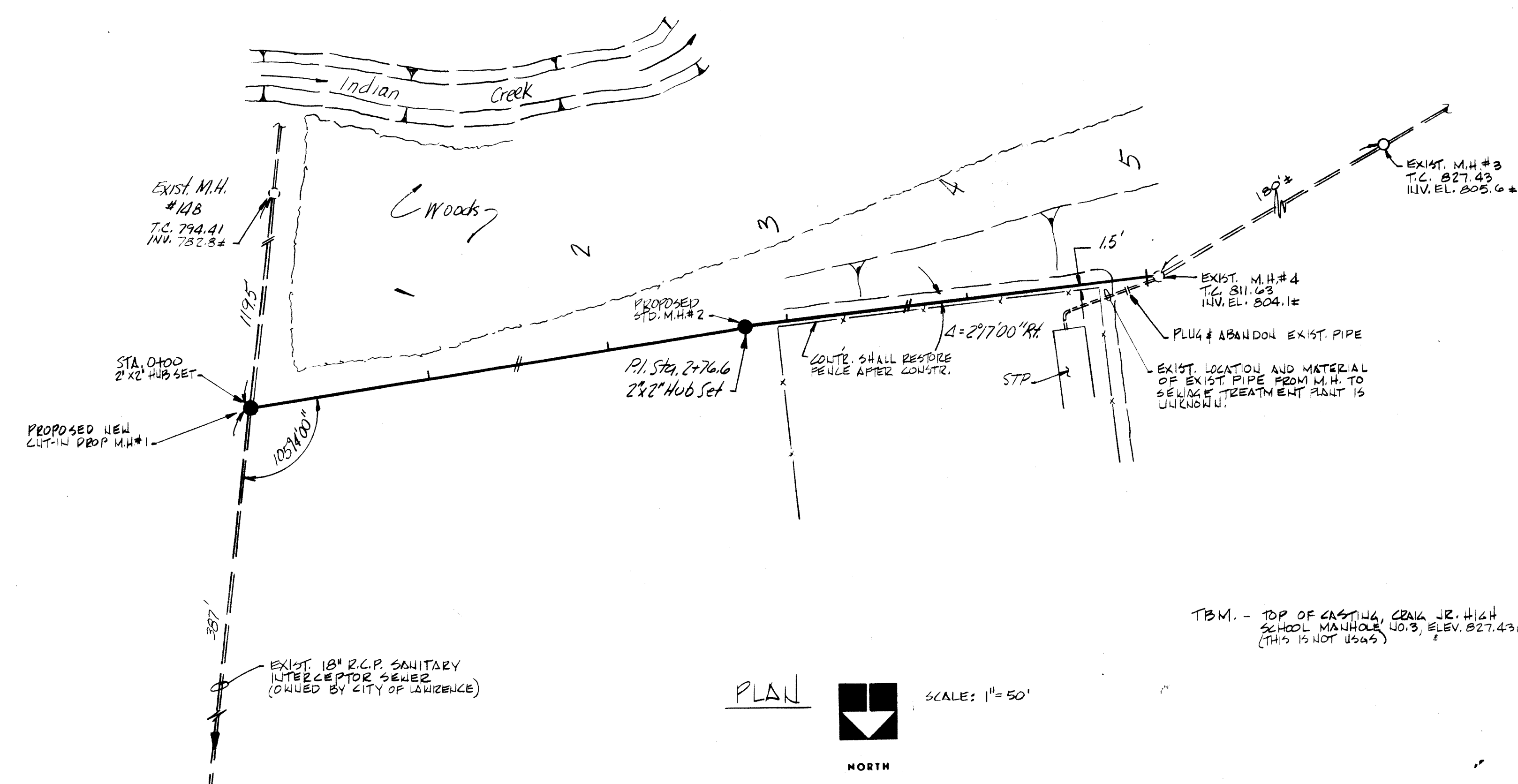
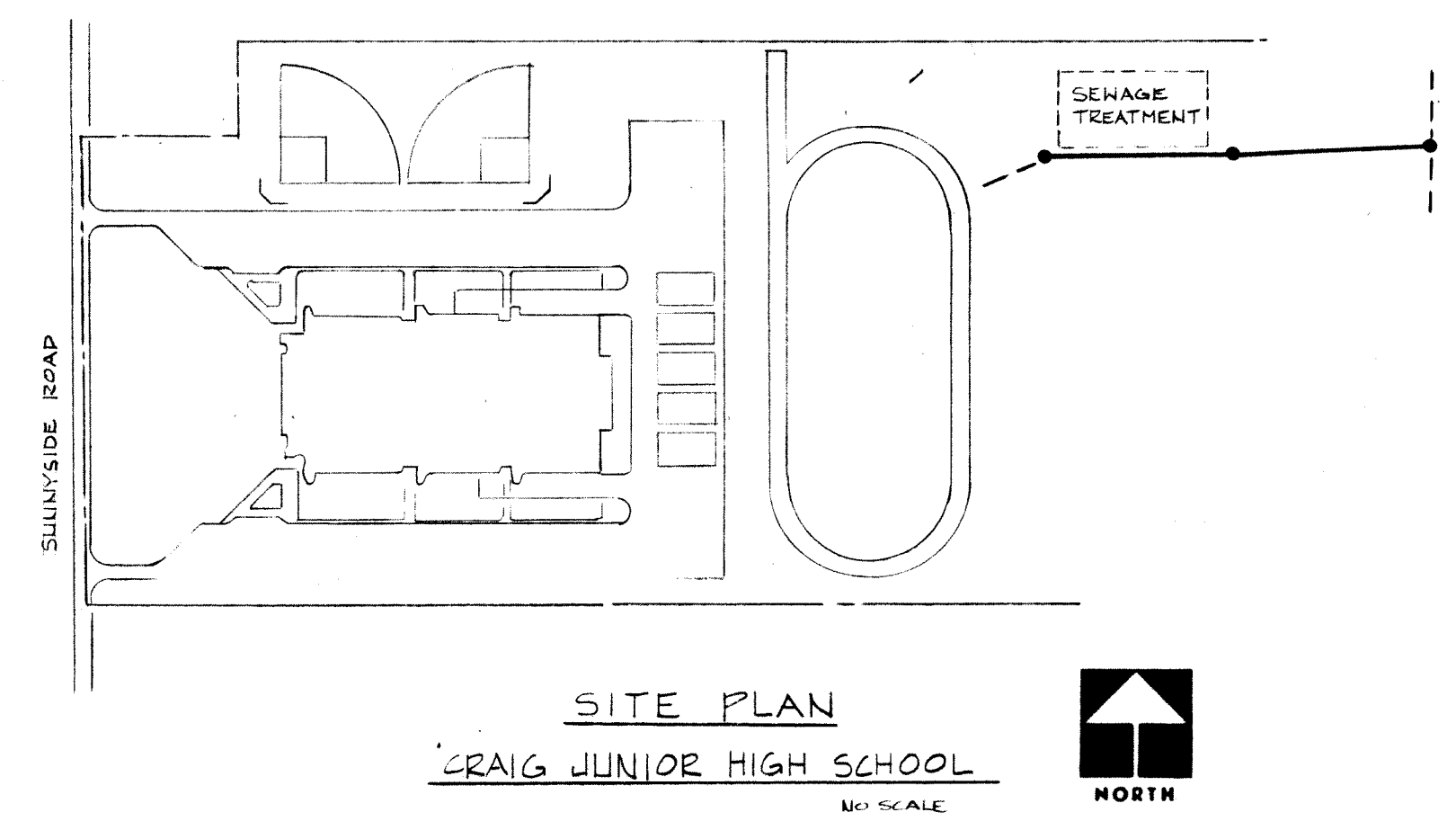
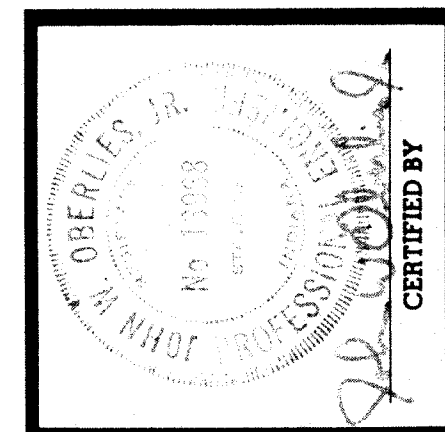
PROFILE SCALE: H - 1"=50'  
V - 1"=5'

- REMOVE ECCENTRIC JOBS AND M.H. CASTING. ADD PRECAST CONC. M.H. SECTIONS AS PERD TO BULKHEAD MAN. UP TO GRADE AND RESET CODE AND CASTING ALL IN ACCORDANCE W/ STD. M.H. DETAIL.
- PROLONGEST M.H. BOTTOM TO SUIT - ALL IN ACCORDANCE W/ STD. DETAILS.
- PLUG SEWER TO INV. W/ CONC. AND ABANDON (SHOULD BE ENTERED 180° HERE FOR SAKE OF CLARITY)

NO.	DATE	DESCRIPTION	COMM. NO.	DATE	BY	CHECKED BY



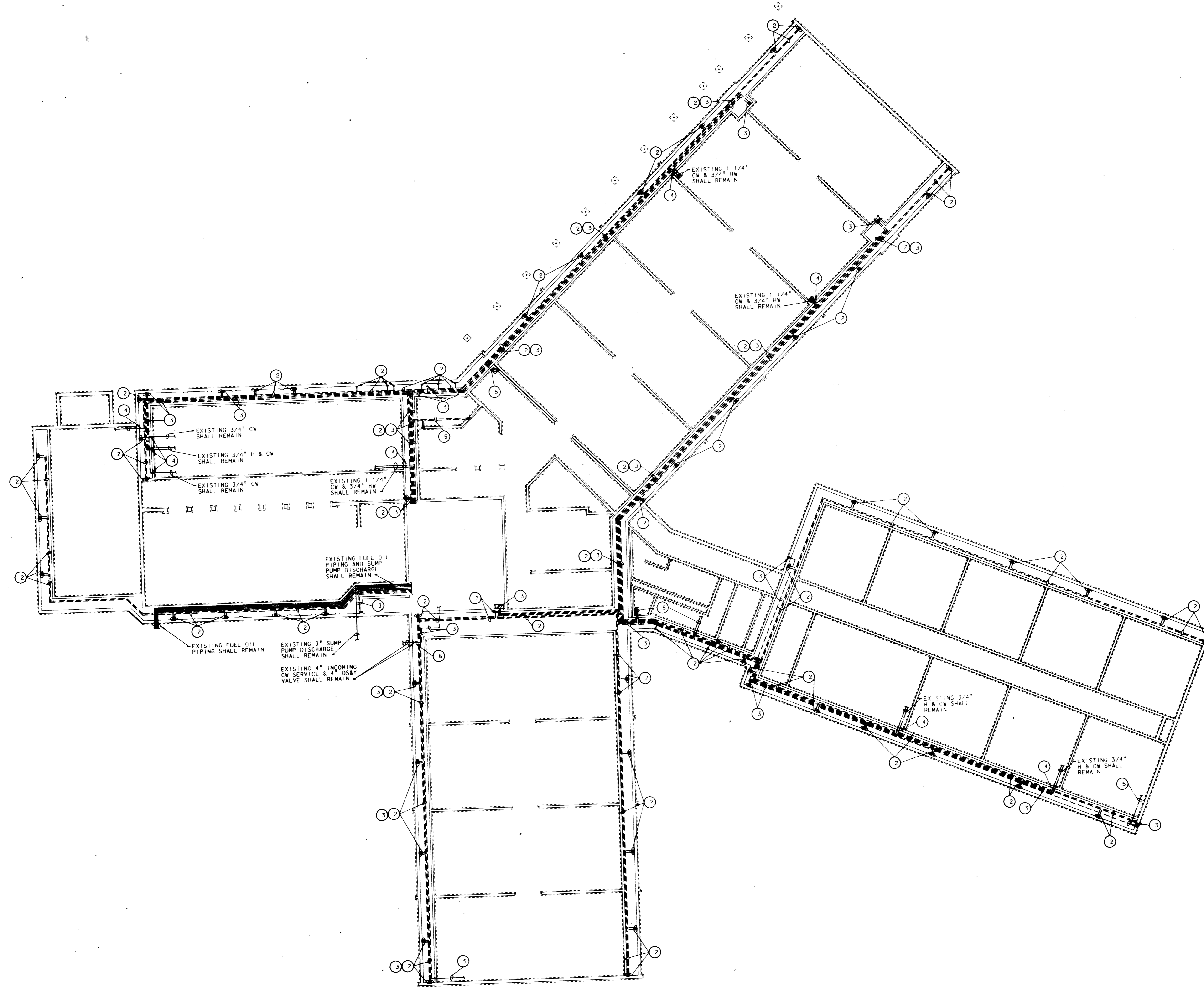
NO.	DATE	DESCRIPTION	BY	CHKD.



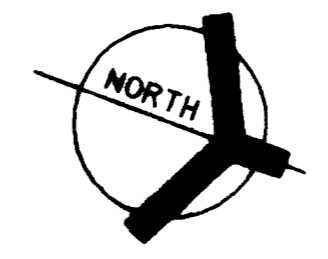




- PLAN NOTES:**
- 1 SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
  - 2 REMOVE ALL EXISTING STEAM PIPING, STEAM CONDENSATE RETURN PIPING, VALVES, STEAM TRAPS, ETC., IN EXISTING TUNNEL. REMOVE ALL EXISTING PIPE RISERS AND BRANCH PIPING SERVING HEATING EQUIPMENT LOCATED ON FLOOR ABOVE. WHERE BRANCH PIPING RUNS THRU TUNNEL WALLS, THE PIPING SHALL BE REMOVED TO THE POINT WHERE IT PASSES THRU WALL AND THE REMAINING PIPING SHALL BE CAPPED AS NEAR THE EXISTING WALL SURFACE AS POSSIBLE.
  - 3 REMOVE ALL EXISTING DOMESTIC COLD WATER, HOT WATER, HOT WATER RETURN, PIPING, VALVES, ETC., IN EXISTING TUNNEL. REMOVE ALL EXISTING PIPE RISERS AND BRANCH PIPING SERVING PLUMBING FIXTURES LOCATED ON FLOOR ABOVE. ALL BRANCH PIPING RUNNING THRU EXISTING TUNNEL WALLS SHALL BE REMOVED TO THE POINT WHERE IT PASSES THRU WALL AND THE REMAINING PIPING SHALL BE CAPPED AS NEAR THE EXISTING WALL SURFACE AS POSSIBLE.
  - 4 CUT EXISTING HOT AND COLD WATER PIPING AT THE POINT WHERE IT PASSES THRU TUNNEL WALL. PIPING SHALL BE RECONNECTED TO NEW PIPING - SEE SHEET M-4.
  - 5 EXISTING PIPING SHALL BE ABANDONED IN PLACE OUT OF SERVICE.
  - 6 DISCONNECT AND REMOVE EXISTING 4" COLD WATER LINE FROM EXISTING 4" OS&Y VALVE. NEW 4" WATER LINE SHALL BE CONNECTED TO THE EXISTING VALVE - SEE SHEET M-4.



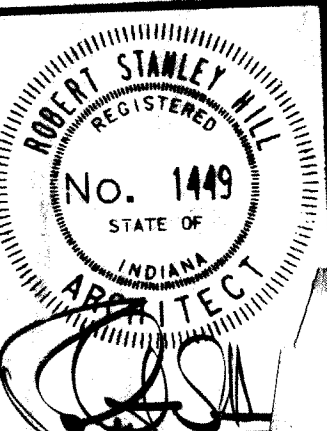
**MECHANICAL DEMOLITION FOUNDATION PLAN**  
 SCALE: 1/16" = 1'-0"



**BROOK PARK ELEMENTARY**

**EVERETT I. Company**  
**ED DROWN**  
 Architects & Engineers

94 NORTH MERIDIAN STREET  
 INDIANAPOLIS, INDIANA 46204



PROJECT  
**87-150**

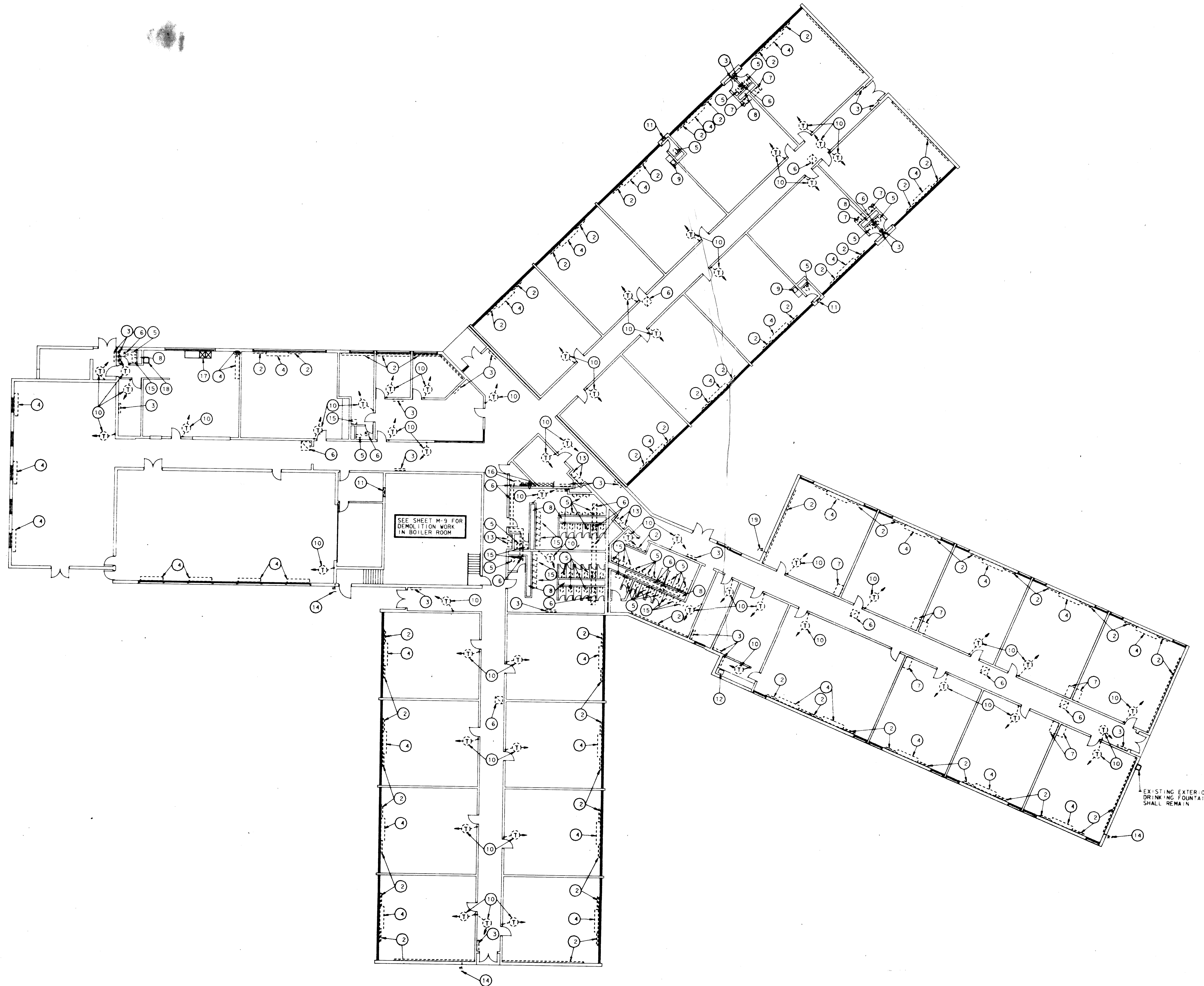
DATE  
**MAR. 21, 1988**

REVISED

NO.  
 OF

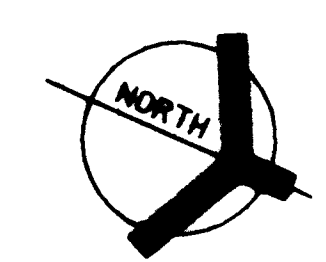
LEVELS DISPLAYED:  
 LEVELS DISPLAYED:  
 LEVELS DISPLAYED:

ENGINE FILE #  
 ENGINE FILE #  
 ENGINE FILE #



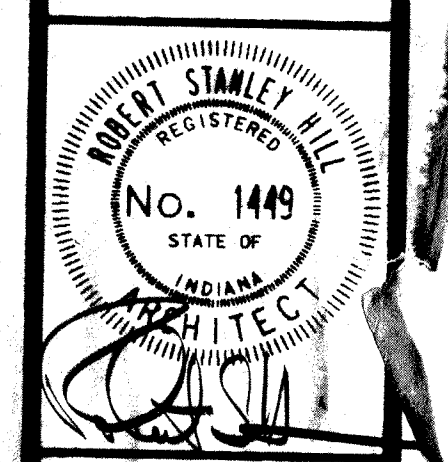
- PLAN NOTES:**
- ① SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
  - ② REMOVE EXISTING FINNED TUBE AND ALL ASSOCIATED STEAM PIPING, CONDENSATE PIPING, CONTROL VALVES, TRAPS, ETC., AS REQUIRED.
  - ③ REMOVE EXISTING CABINET HEATER OR CONVECTOR, REMOVE ASSOCIATED STEAM PIPING, CONDENSATE PIPING, CONTROL VALVES, TRAPS, ETC., AS REQUIRED.
  - ④ REMOVE EXISTING CLASSROOM UNIT VENTILATOR AND ALL ASSOCIATED STEAM PIPING, CONDENSATE PIPING, CONTROL VALVES, TRAPS, ETC., AS REQUIRED.
  - ⑤ REMOVE ALL EXISTING URINALS OR WATER CLOSETS AND ASSOCIATED FLUSH VALVES IN THIS AREA.
  - ⑥ REMOVE EXISTING EXHAUST GRILLES, EXHAUST DUCTWORK, EXISTING ROOF EXHAUST FAN IN THIS AREA.
  - ⑦ DISCONNECT PIPING FROM EXISTING CABINET SINK BEING REMOVED BY OTHERS.
  - ⑧ REMOVE ALL EXISTING HOT AND COLD WATER PIPING LOCATED IN EXISTING PIPE CHASE, EXISTING WASTE AND PIPING IN PIPE CHASE SHALL BE MODIFIED AS REQUIRED FOR CONNECTION TO PLUMBING FIXTURES - SEE SHEETS M-6, M-7 AND M-8.
  - ⑨ EXISTING CABINET AND SINK SHALL REMAIN.
  - ⑩ REMOVE EXISTING THERMOSTAT.
  - ⑪ REMOVE EXISTING WALL EXHAUST FAN.
  - ⑫ DISCONNECT AND REMOVE EXISTING HOT AND COLD WATER PIPING, STOPS, RISERS, ETC., FROM EXISTING CABINET SINK.
  - ⑬ DISCONNECT AND REMOVE EXISTING WATER COOLER AND ALL ASSOCIATED WATER PIPING, MODIFY EXISTING WASTE AND VENT PIPING AS REQUIRED FOR CONNECTION TO NEW WATER COOLERS - SEE SHEETS M-6 AND M-7.
  - ⑭ REMOVE EXISTING SILL COCK AND CAP WATER PIPING BELOW FINISHED WALL SURFACE.
  - ⑮ DISCONNECT AND REMOVE ALL EXISTING LAVATORIES IN THIS AREA. DISCONNECT AND REMOVE EXISTING SERVICE SINK AND ALL ASSOCIATED WATER AND VENT PIPING.
  - ⑯ DISCONNECT AND REMOVE EXISTING HOT AND COLD WATER PIPING FROM EXISTING SINK AND DISPOSER.
  - ⑰ DISCONNECT AND REMOVE EXISTING HOT AND COLD WATER PIPING FROM EXISTING SERVICE SINK. EXISTING SERVICE SINK SHALL REMAIN IN PLACE.
  - ⑱ REMOVE EXISTING SILL COCK AND CAP WATER PIPING BELOW FINISHED WALL SURFACE.

**MECHANICAL DEMOLITION FIRST FLOOR PLAN**  
 SCALE: 1/16" = 1'-0"



**BROOK PARK ELEMENTARY**

**EVERETT L. CROWN Company**  
 Architects & Engineers  
 311 NORTH MERIDIAN STREET  
 INDIANAPOLIS, INDIANA 46204

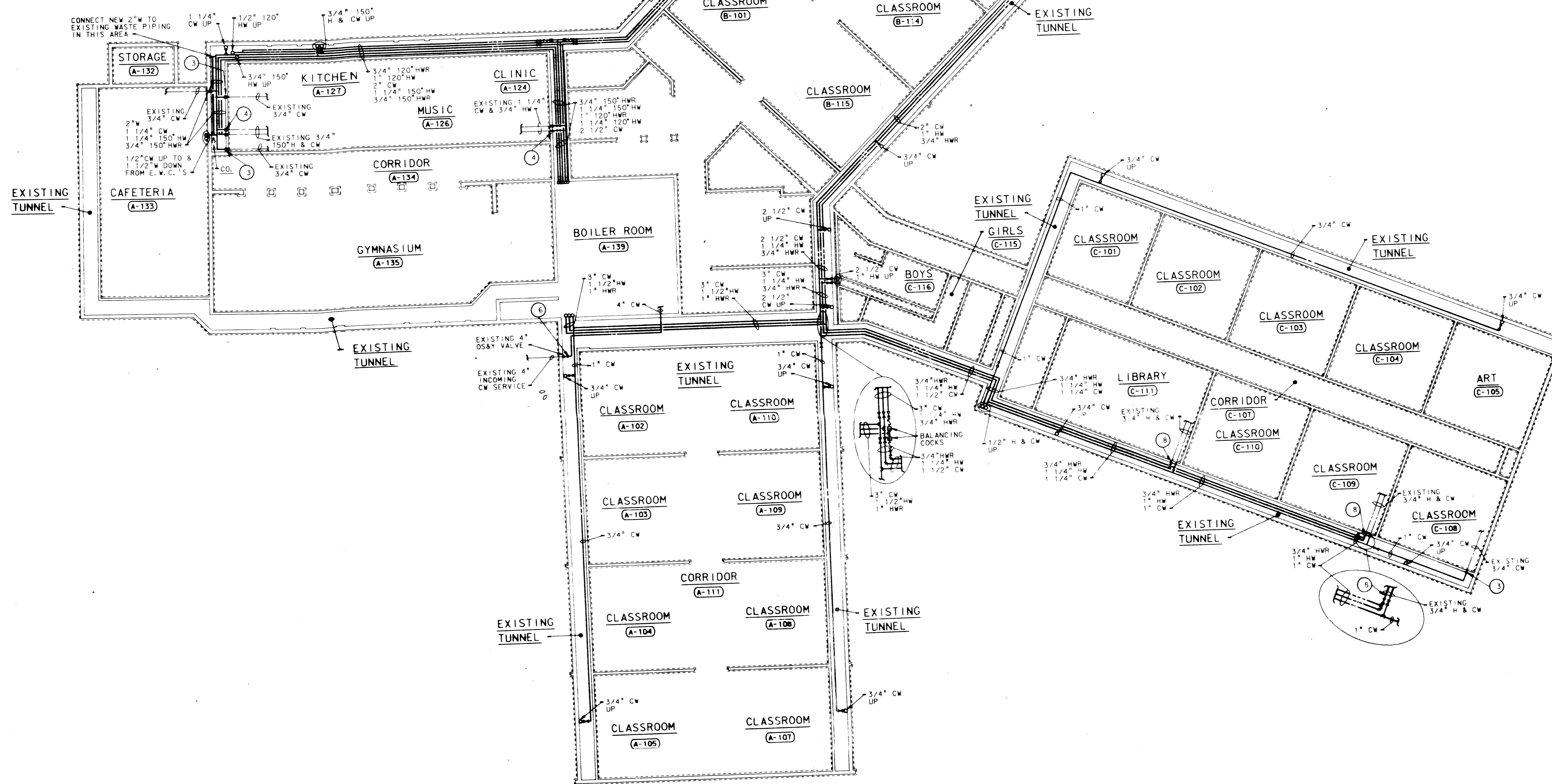
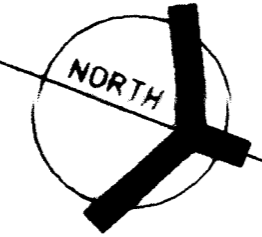


PROJECT  
 871-150  
 DATE  
 MAR. 21, 1988  
 REVISED

DELIVER TO:  
 LEVELS DISPLAYED  
 LEVELS DISPLAYED  
 LEVELS DISPLAYED  
 LEVELS DISPLAYED

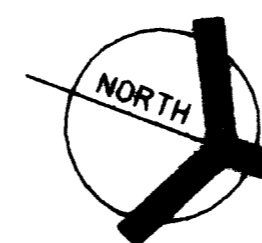
**PLUMBING BOILER ROOM  
FOUNDATION PLAN**

SCALE: 1/8" = 1'-0"

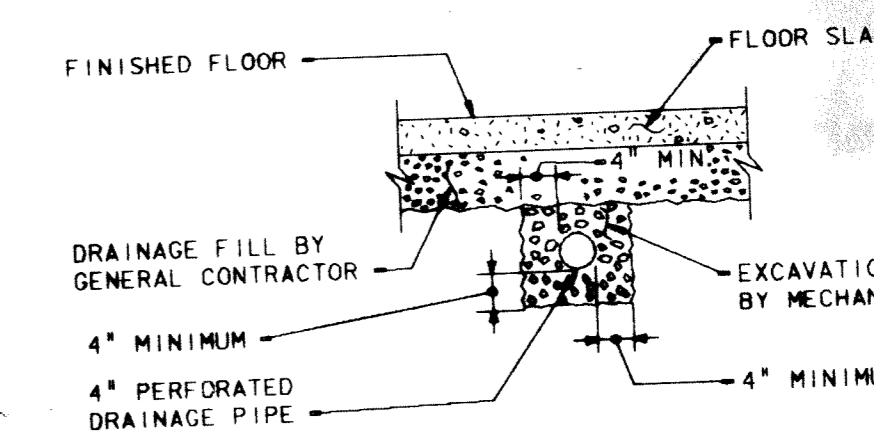


**PLUMBING FOUNDATION PLAN**

SCALE: 1/16" = 1'-0"



- PLAN NOTES:**
- 1 SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
  - 2 CONNECT NEW 1 1/4" CW AND 1/2" HW TO EXISTING.
  - 3 CONNECT NEW 3/4" CW TO EXISTING.
  - 4 CONNECT NEW 3/4" 150° H & CW TO EXISTING.
  - 5 CONNECT NEW 1 1/4" CW AND 3/4" HW TO EXISTING.
  - 6 CONNECT NEW 4" CW TO EXISTING 4" OS&Y VALVE.
  - 7 SEE SHEET M-2 FOR EXISTING PIPING BEING REMOVED IN THE EXISTING TUNNELS.
  - 8 CONNECT NEW 3/4" H & CW TO EXISTING.
  - 9 CONNECT NEW 4" UNDERDRAIN TO EXISTING TUNNEL UNDER SLAB AT THIS POINT.



**UNDERDRAIN FILL**  
NO SCALE (UNDER FLOOR SLAB)

BROOK PARK ELEMENTARY

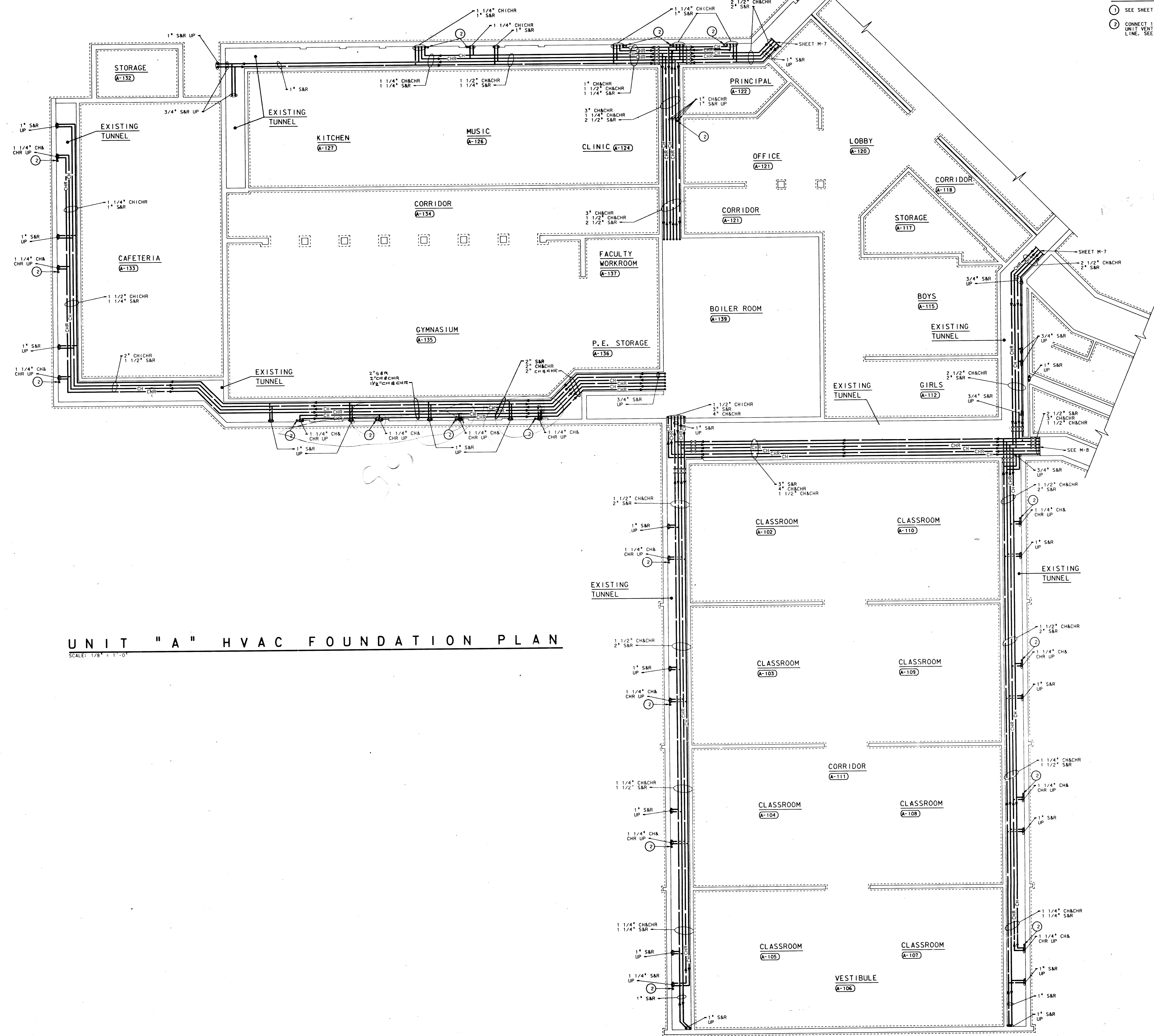
BRETT L. ROWAN Company  
Architects  
30 NORTH MERIDIAN STREET  
INDIANAPOLIS, INDIANA 46204

PROJECT  
871-150  
DATE  
MAR. 21, 1988  
REVISED

NO. M-4  
OF

NAME: \_\_\_\_\_ DELIVER TO: \_\_\_\_\_  
DATE: \_\_\_\_\_ TIME: \_\_\_\_\_  
LEVELS DISPLAYED: \_\_\_\_\_  
LEVELS DISPLAYED: \_\_\_\_\_  
LEVELS DISPLAYED: \_\_\_\_\_  
REFERENCE FILE: \_\_\_\_\_

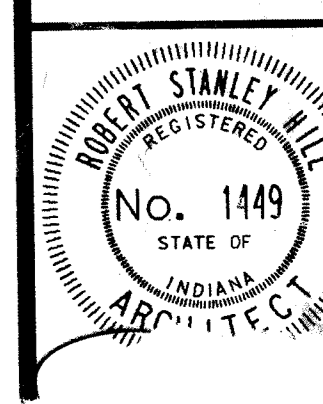
- PLAN NOTES:**
- SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
  - CONNECT 1" CONDENSATE DRAIN LINE FROM FAN COIL UNIT TO UNIT VENTILATOR TO THE EXISTING TUNNEL CLAY TILE DRAIN LINE. SEE DETAIL ON SHEET M-8.



**UNIT "A" HVAC FOUNDATION PLAN**  
 SCALE: 1/8" = 1'-0"

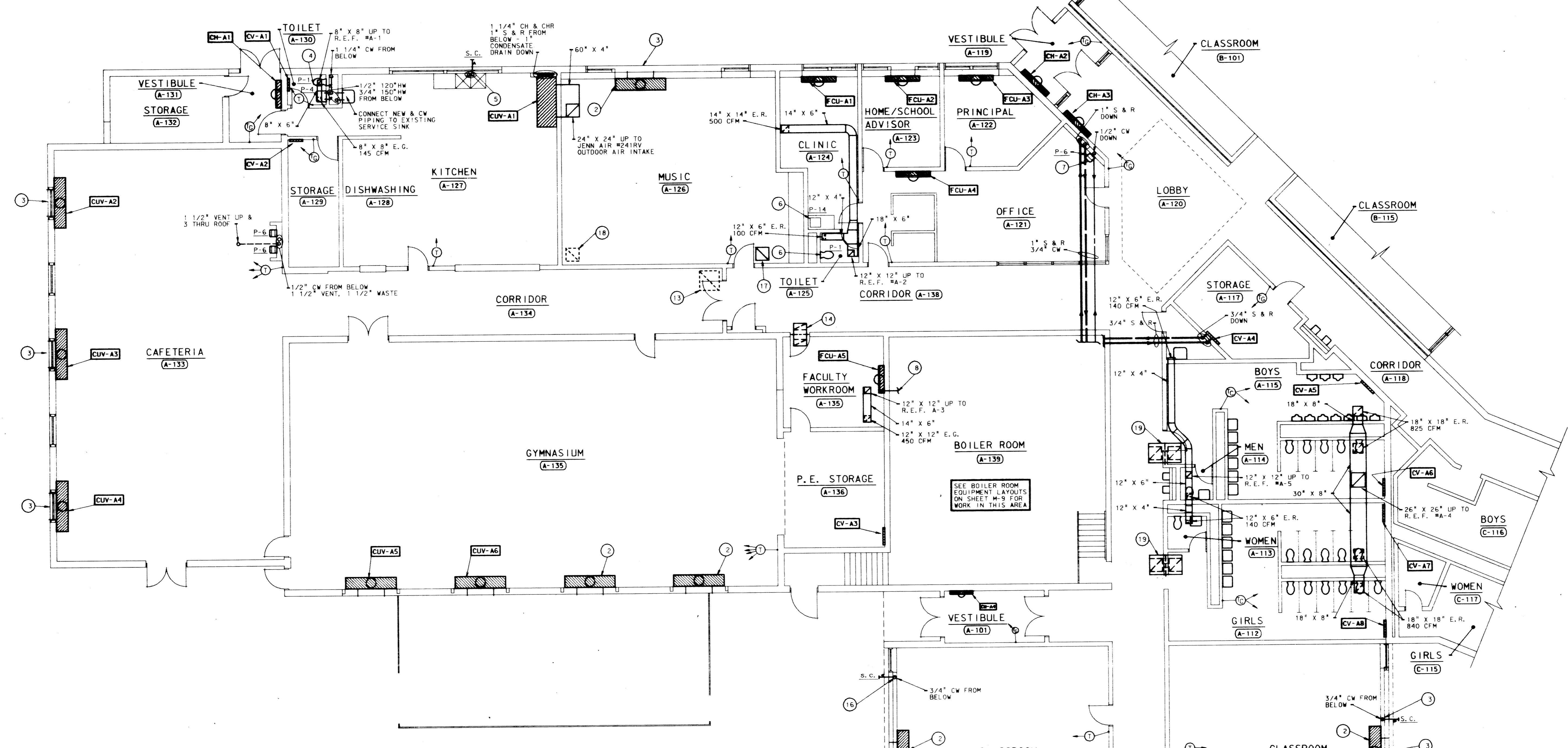
BROOK PARK ELEMENTARY

**EVERETT L. EDGEMAN Company**  
 Architects & Engineers  
 341 NORTH MERIDIAN STREET  
 INDIANAPOLIS, INDIANA 46204

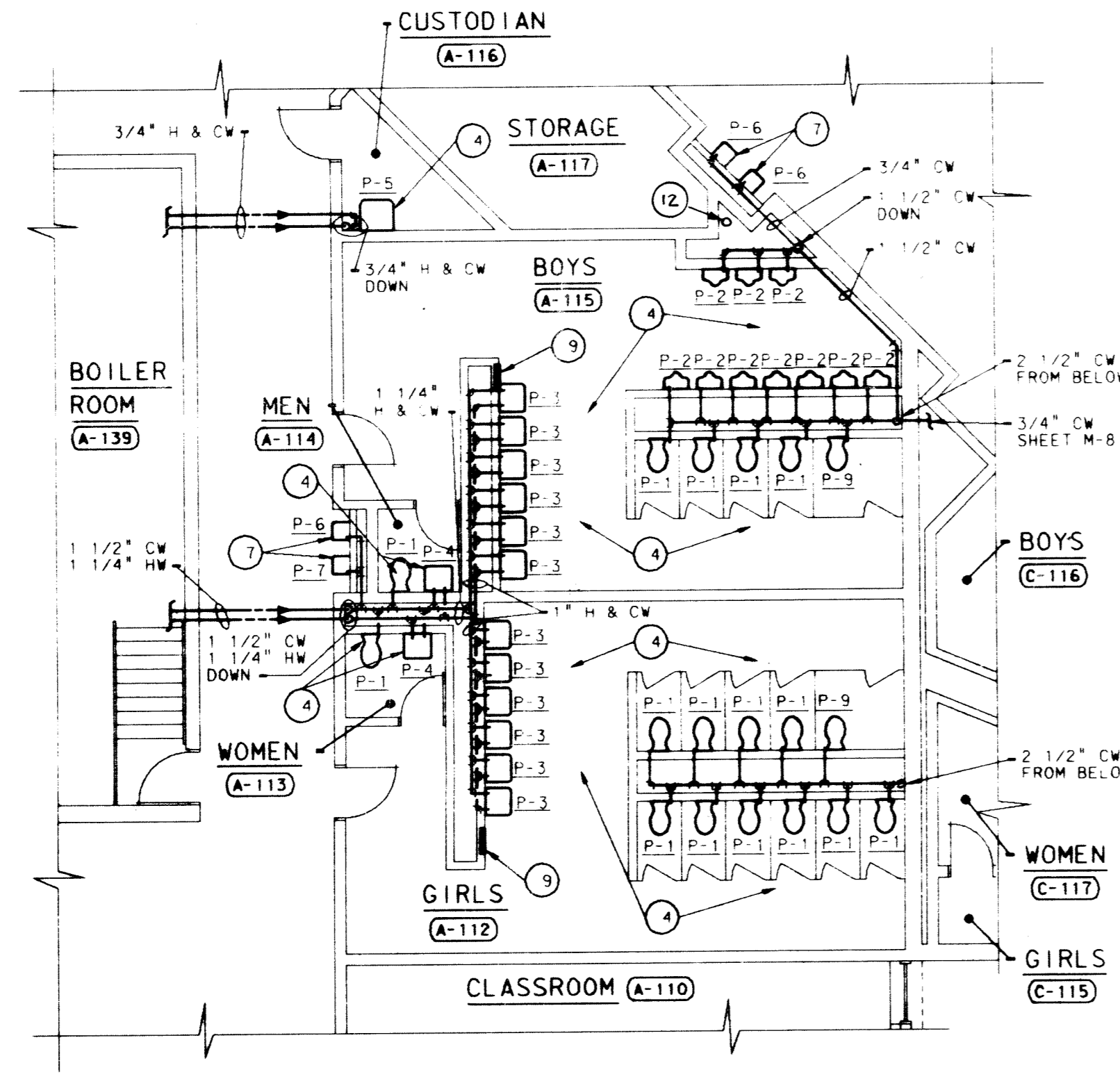


PLOT NAME: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 TIME: \_\_\_\_\_  
 DESIGNED BY: \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_  
 DRAWN BY: \_\_\_\_\_  
 IN CHARGE: \_\_\_\_\_  
 APPROVED BY: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 REFERENCE FILE: \_\_\_\_\_  
 REFERENCE PLAN: \_\_\_\_\_

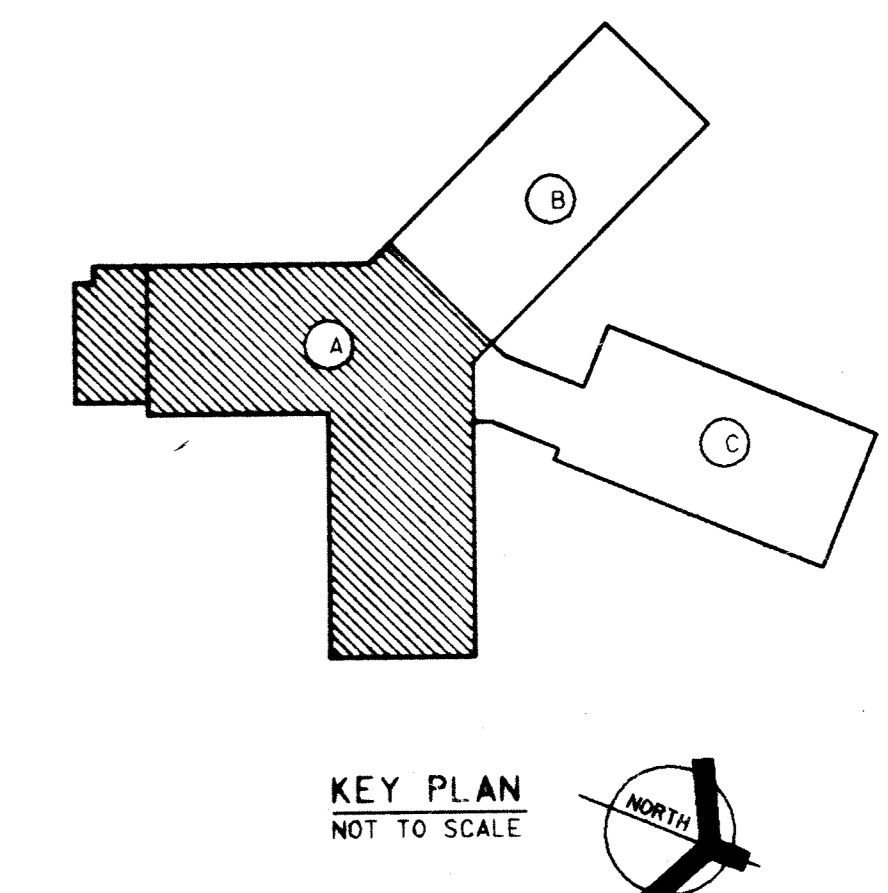
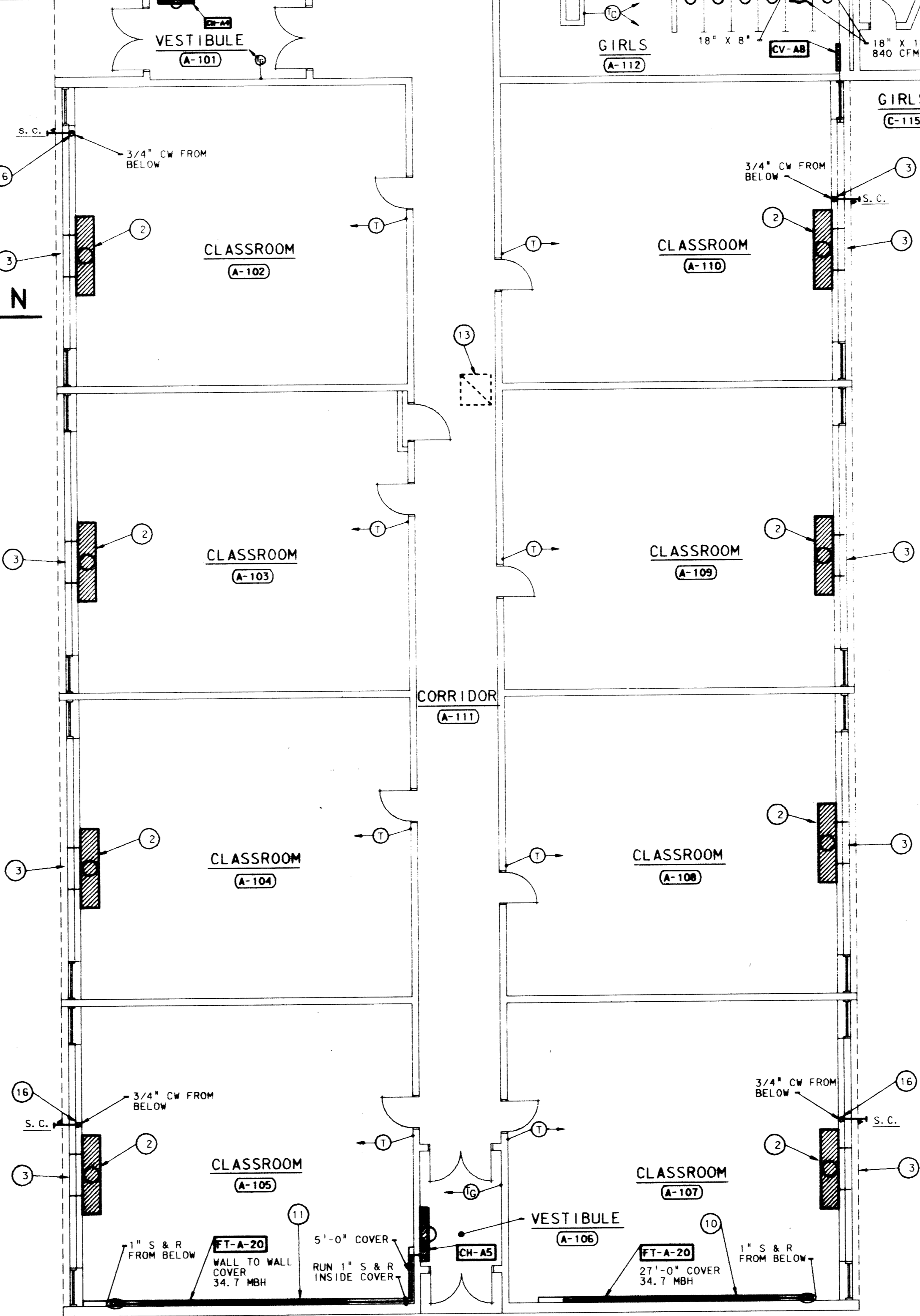
- PLAN NOTES:**
- SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
  - THE CLASSROOM UNIT VENTILATOR HAS BEEN PRE-PURCHASED BY THE OWNER. THIS CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR MOVING THE UNIT FROM ITS STORAGE LOCATION TO THE JOB SITE AND FOR INSTALLING THE UNIT AND HOISTING IT UP COMPLETE.
  - INSTALL NEW INSULATED DUCT SLEEVE FROM EXISTING OUTDOOR AIR INTAKE LOUVER TO THE CLASSROOM UNIT VENTILATOR.
  - CONNECT NEW PLUMBING FIXTURES TO EXISTING WASTE AND VENT PIPING SERVING THE EXISTING PLUMBING FIXTURES BEING REMOVED IN THIS AREA - SEE SHEET M-3.
  - 3/4" X 150" H & CW FROM BELOW. CONNECT PIPING TO EXISTING SINK AND DISPOSER. PROVIDE NEW STOPS AND FLEXIBLE TUBE SUPPLY PIPES.
  - CONNECT NEW WATER CLOSET AND CABINET SINK TO EXISTING WATER, WASTE AND VENT PIPING SERVING EXISTING PLUMBING FIXTURES BEING REMOVED IN THIS AREA - SEE SHEET M-3.
  - CONNECT NEW WATER COOLER TO EXISTING WASTE AND VENT PIPING SERVING EXISTING WATER COOLER BEING REMOVED IN THIS AREA - SEE SHEET M-3.
  - TERMINATE 1" CONDENSATE DRAIN LINE OVER NEW TRENCH DRAIN IN BOILER ROOM.
  - WALL RECESSED SOAP DISPENSING TANK - SEE DETAIL ON SHEET M-1.
  - RUN 1" RETURN LINE INSIDE COVER BELOW FINNED TUBE.
  - RUN 1" SUPPLY AND RETURN LINES INSIDE COVER BELOW FINNED TUBE.
  - CONNECT NEW 2" VENT RISER TO EXISTING VENT RISER IN THIS AREA. RUN NEW 2" VENT UP AND INCREASE TO 3" THRU ROOF.
  - 36" X 36" DUCT UP THRU EXISTING ROOF OPENING TO 36" DIAMETER RELIEF VENT.
  - 24" X 24" RELIEF AIR GRILLES CONNECTED BY 24" X 6" DUCT WITH FIRE DAMPER.
  - MOUNT WATER COOLER AT A HEIGHT OF 40" TO RIM ABOVE FINISHED FLOOR.
  - RUN 3/4" CW RISER INSIDE WALL ON CLASSROOM SIDE OF WALL INSULATION.
  - 24" X 24" CEILING RELIEF AIR GRILLE.
  - 24" X 24" DUCT UP TO 24" DIAMETER RELIEF VENT ON ROOF.
  - 24" X 24" RELIEF AIR GRILLES CONNECTED BY 36" X 7" DUCT WITH FIRE DAMPER.



**UNIT "A" HVAC AND PLUMBING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

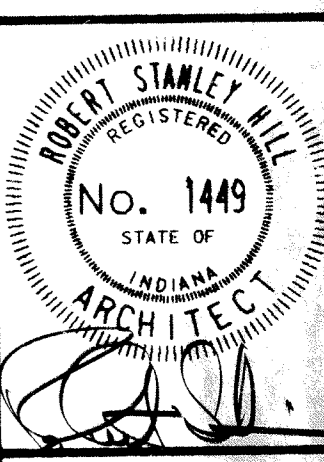


**UNIT "A" PLUMBING PARTIAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**BROOK PARK ELEMENTARY**

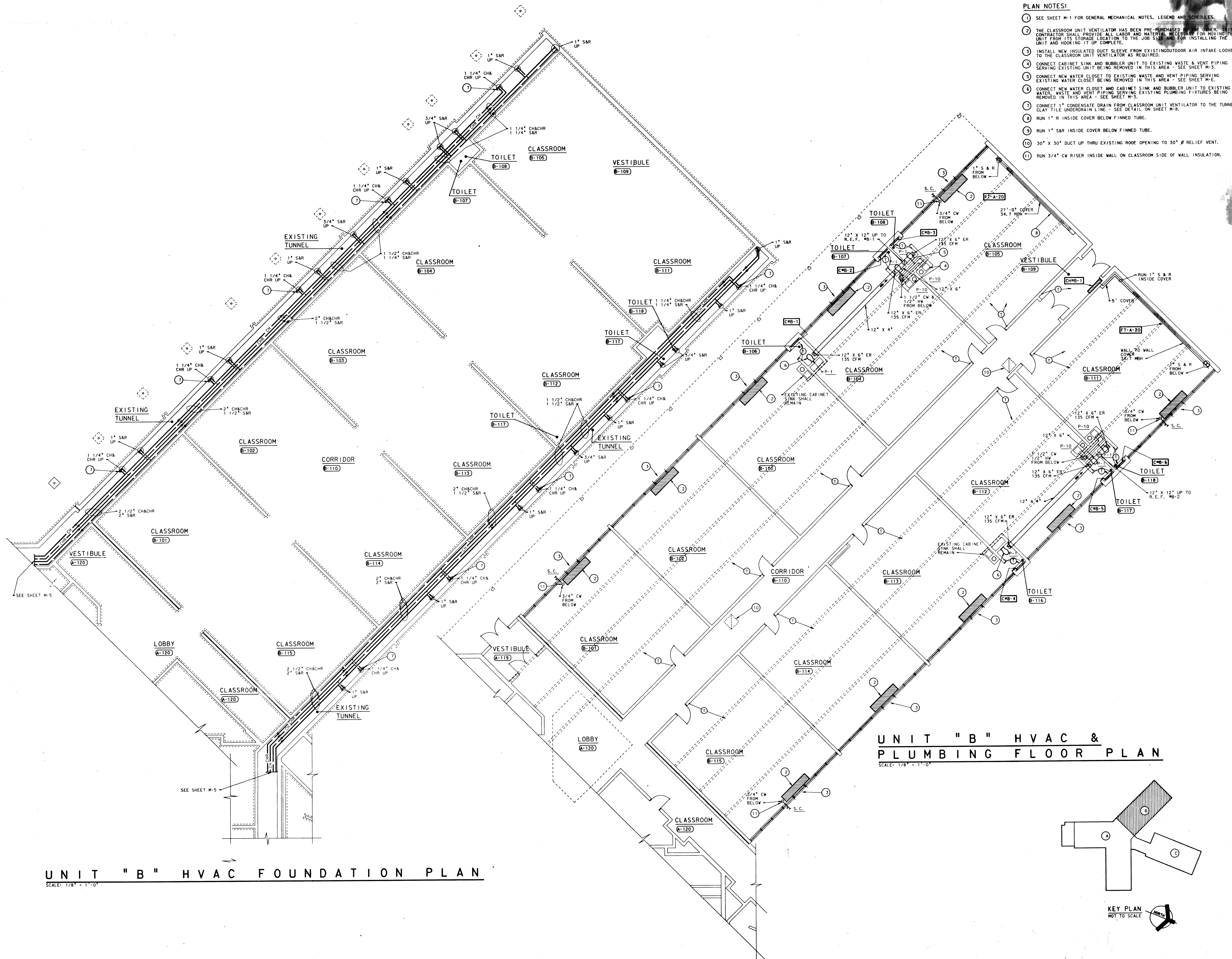
**EVERETT I. EDGEMAN Company**  
Architects & Engineers  
94 NORTH MERIDIAN STREET  
INDIANAPOLIS, INDIANA 46204



PROJECT: 871-150  
DATE: MAR. 21, 1988  
REVISED:

NO. OF

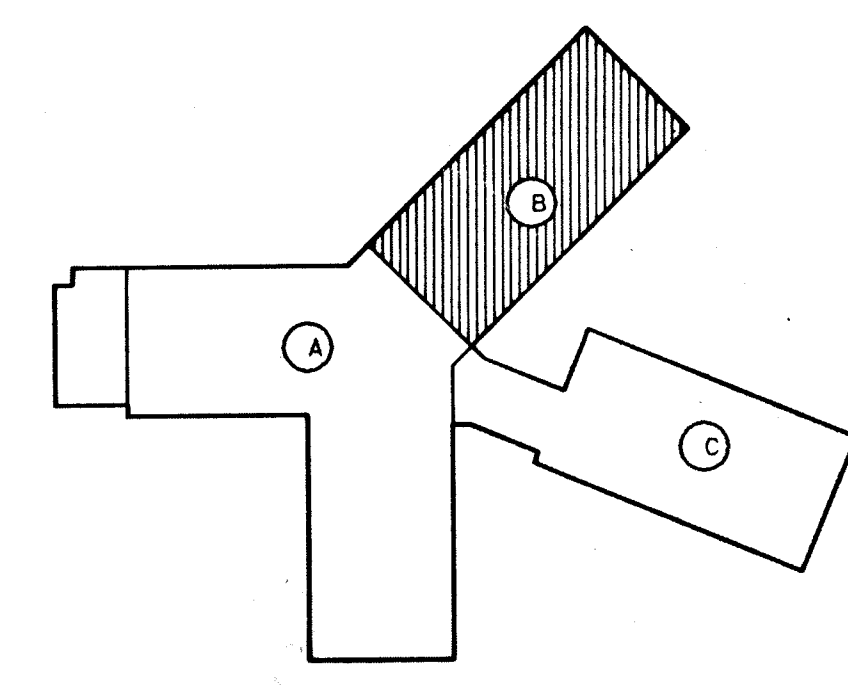
DATE: DELIVER TO: TIME: SOURCE: LEVELS DISPLAYED: REFERENCE PLAN: LEVELS DISPLAYED: REFERENCE PLAN:



- PLAN NOTES:**
- SEE SHEET M-1 FOR GENERAL MECHANICAL NOTES, LEGEND AND SCHEDULES.
  - THE CLASSROOM UNIT VENTILATOR HAS BEEN PRE-PURCHASED BY THE OWNER. THIS CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR MOVING THE UNIT FROM ITS STORAGE LOCATION TO THE JOB SITE AND FOR INSTALLING THE UNIT AND HOOKING IT UP COMPLETE.
  - INSTALL NEW INSULATED DUCT SLEEVE FROM EXISTING OUTDOOR AIR INTAKE LOOWER TO THE CLASSROOM UNIT VENTILATOR AS REQUIRED.
  - CONNECT CABINET SINK AND RUBBER UNIT TO EXISTING WASTE & VENT PIPING SERVING EXISTING UNIT BEING REMOVED IN THIS AREA - SEE SHEET M-3.
  - CONNECT NEW WATER CLOSET TO EXISTING WASTE AND VENT PIPING SERVING EXISTING WATER CLOSET BEING REMOVED IN THIS AREA - SEE SHEET M-3.
  - CONNECT NEW WATER CLOSET AND CABINET SINK AND RUBBER UNIT TO EXISTING WATER, WASTE AND VENT PIPING SERVING EXISTING PLUMBING FIXTURES BEING REMOVED IN THIS AREA - SEE SHEET M-3.
  - CONNECT 1" CONDENSATE DRAIN FROM CLASSROOM UNIT VENTILATOR TO THE TUNNEL CLAY TILE UNDERDRAIN LINE - SEE DETAIL ON SHEET M-5.
  - RUN 1" R INSIDE COVER BELOW FINNED TUBE.
  - RUN 1" S&R INSIDE COVER BELOW FINNED TUBE.
  - 30" X 30" DUCT UP THRU EXISTING ROOF OPENING TO 30" Ø RELIEF VENT.
  - RUN 3/4" CW RISER INSIDE WALL ON CLASSROOM SIDE OF WALL INSULATION.

**UNIT "B" HVAC FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"

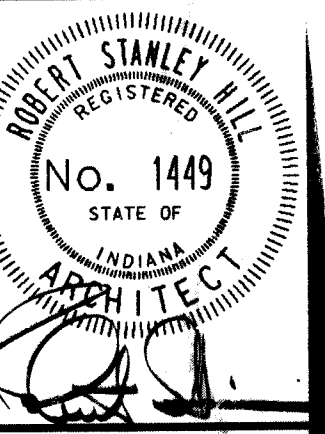
**UNIT "B" HVAC & PLUMBING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"



**KEY PLAN**  
NOT TO SCALE

**BROOK PARK ELEMENTARY**

**EVERETT E. BROWN**  
Architects & Engineers



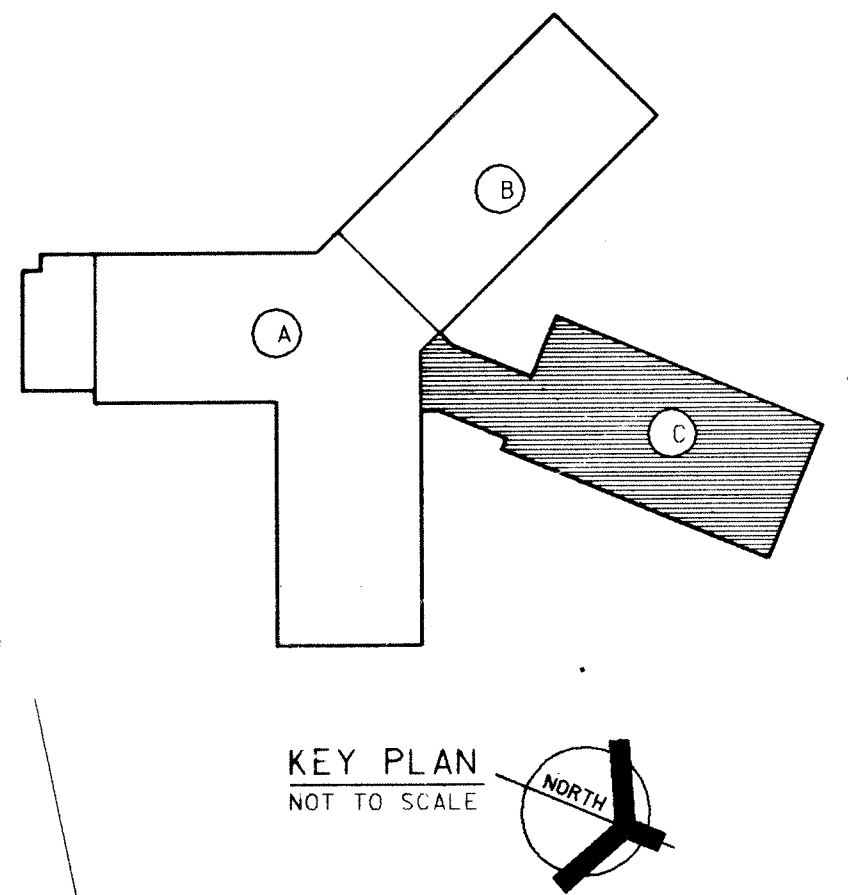
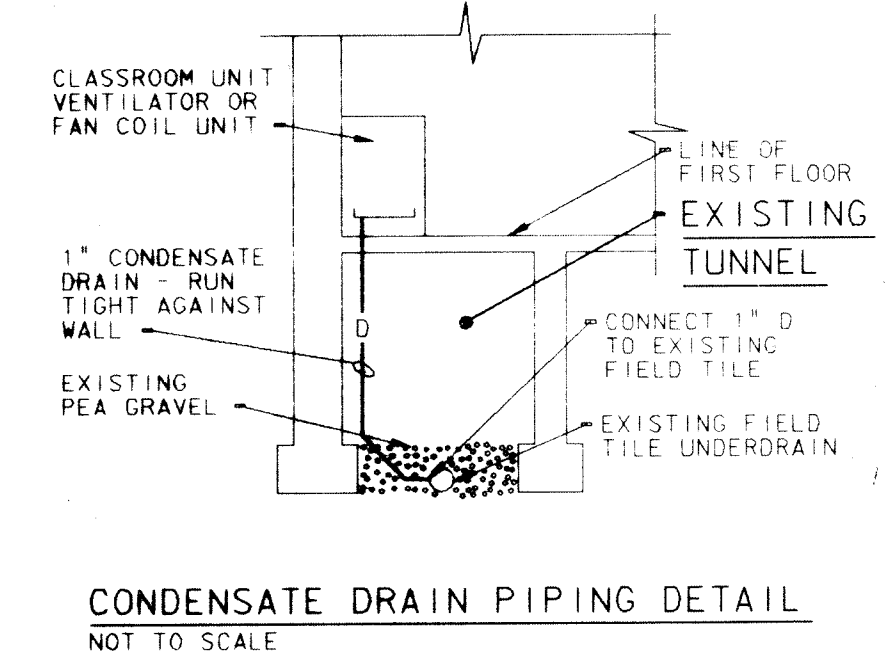
PROJECT: 871-150  
DATE: MAR. 21, 1988  
REVISED:

DELIVER TO: [REDACTED]  
DATE: [REDACTED]  
SCALE: [REDACTED]

- 1 SEE SHEET M-1 FOR GENERAL MECHANICAL NOTES, LEGEND AND SCHEDULES.
- 2 THE CLASSROOM UNIT VENTILATOR HAS BEEN PRE-PURCHASED BY THE OWNER. THIS CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIAL NECESSARY FOR MOVING THE UNIT FROM ITS STORAGE LOCATION TO THE JOB SITE AND FOR INSTALLING THE UNIT AND HOODING IT UP COMPLETE.
- 3 INSTALL NEW INSULATED DUCT SLEEVE FROM EXISTING OUTDOOR AIR INTAKE LOOPER TO THE CLASSROOM UNIT VENTILATOR AS REQUIRED.
- 4 1/2" HDW FROM BELOW AND CONNECT TO EXISTING CABINET SINK AS REQUIRED. PROVIDE NEW STOPS AND FLEXIBLE TUBE RISERS.
- 5 24" X 12" RELIEF AIR GRILLS CONNECTED BY A 24" X 6" DUCT WITH FIRE DAMPER.
- 6 24" X 12" RELIEF AIR GRILLS CONNECTED BY A 30" X 6" DUCT WITH FIRE DAMPER.
- 7 RUN 1" R INSIDE COVER BELOW FINNED TUBE.
- 8 RUN 1" S&R INSIDE COVER BELOW FINNED TUBE.
- 9 RUN 3/4" CW RISER INSIDE WALL ON CLASSROOM SIDE OF WALL INSULATION.
- 10 CONNECT 1" CONDENSATE DRAIN LINE FROM FAN COIL UNIT OF CLASSROOM UNIT VENTILATOR TO THE EXISTING TUNNEL EXISTING CLAY TILE UNDERDRAIN LINE. SEE DETAIL ON THIS SHEET.
- 11 CONNECT NEW PLUMBING FIXTURES TO EXISTING WASTE AND VENT PIPING SERVING PLUMBING FIXTURES BEING REMOVED IN THIS AREA - SEE SHEET M-3.
- 12 MODIFY EXISTING WASTE AND VENT PIPING SERVING WATER COOLERS BEING REMOVED IN THIS AREA AS REQUIRED FOR CONNECTION TO NEW WATER COOLERS - SEE SHEET M-3.
- 13 WALL RECESSED SOAP DISPENSING TANK - SEE DETAIL ON SHEET M-1.
- 14 36" X 36" DUCT UP THRU EXISTING ROOF OPENING TO 36" DIA RELIEF VENT.
- 15 WALL MOUNTED SOAP DISPENSING TANK - SEE DETAIL ON SHEET M-1.

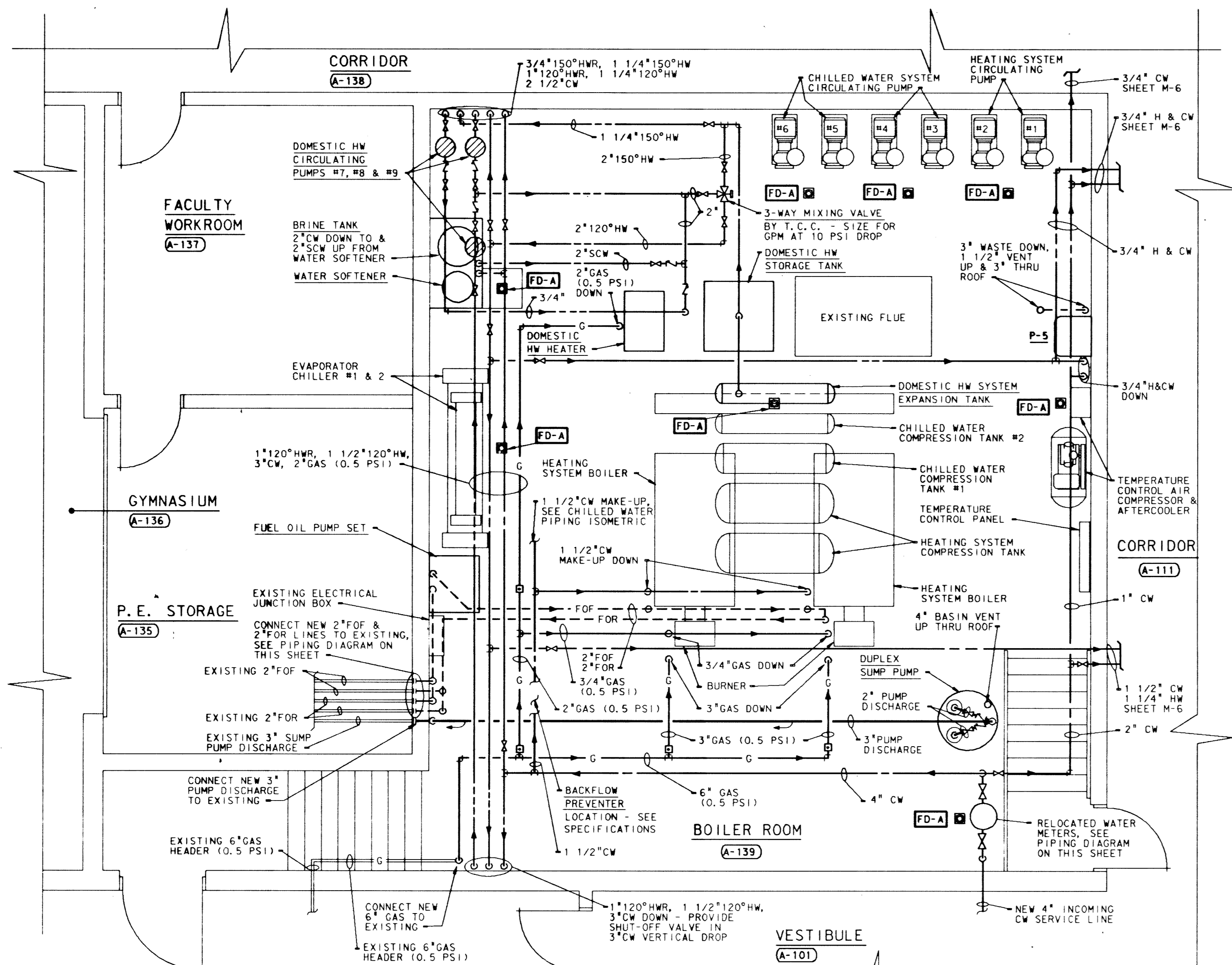
**UNIT "C" HVAC & PLUMBING FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

**UNIT "C" HVAC FOUNDATION PLAN**  
SCALE: 1/8" = 1'-0"

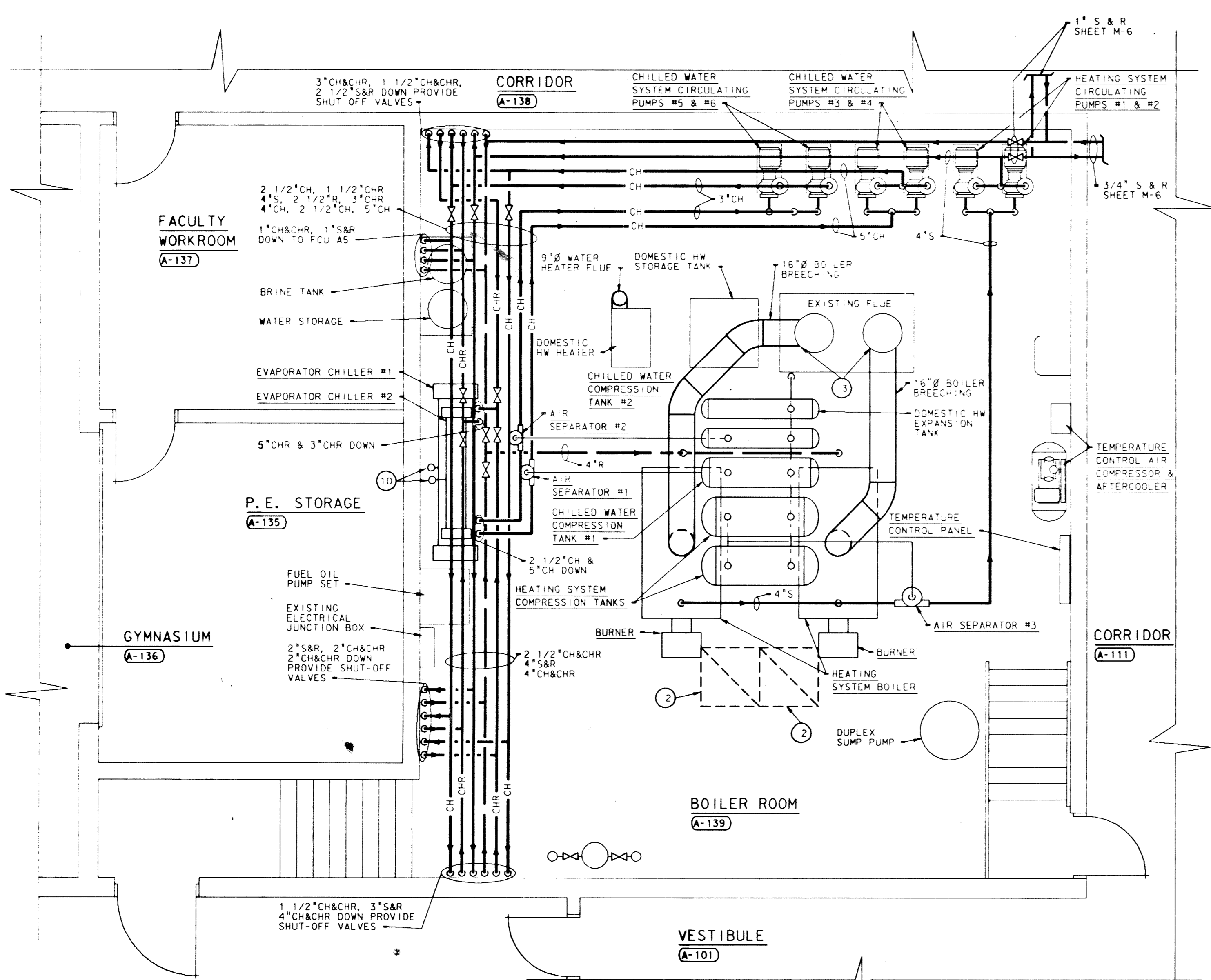


**UNIT "C" PLUMBING PARTIAL FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

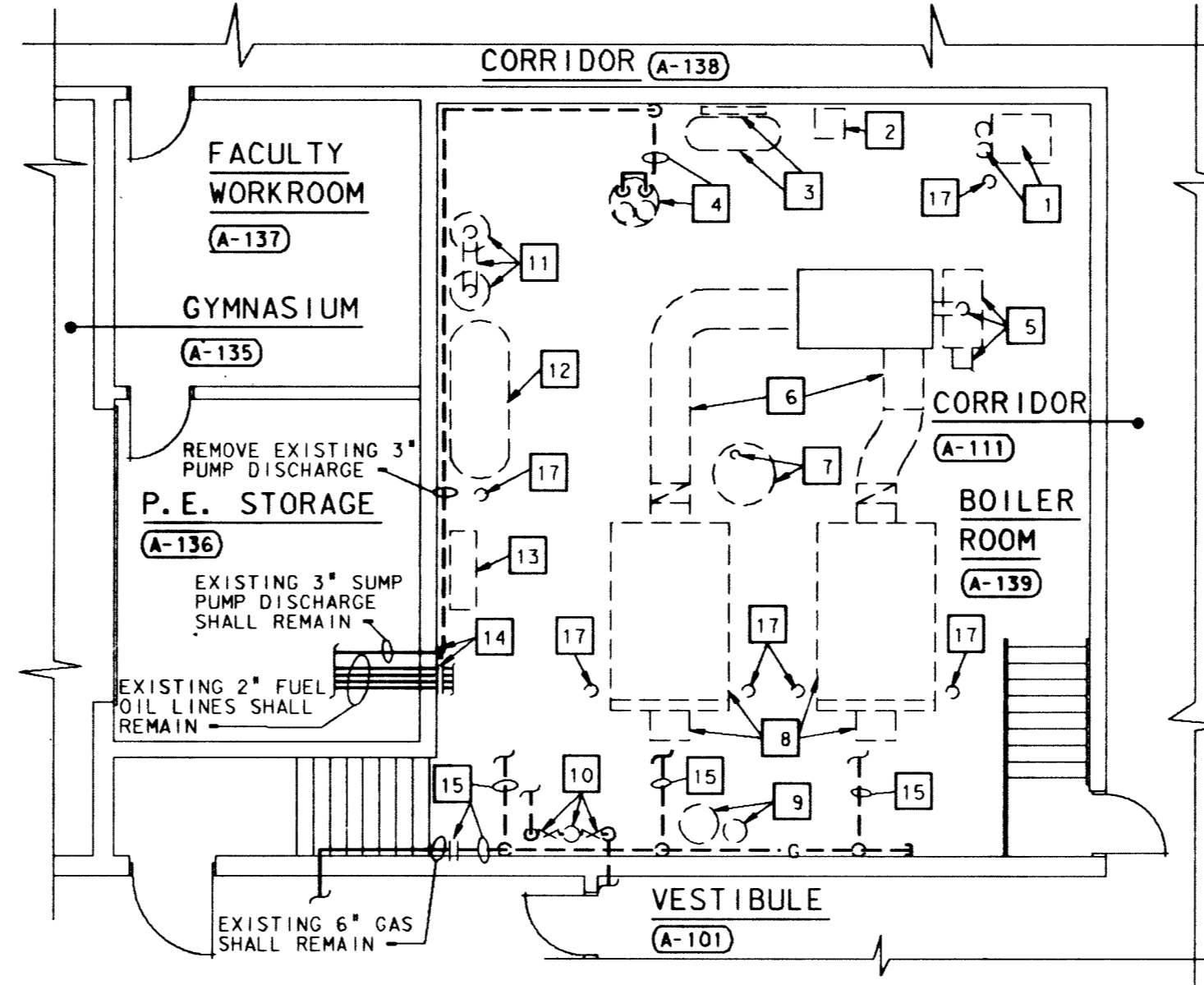
DATE: \_\_\_\_\_ DELIVER TO: \_\_\_\_\_  
SHEET FILE: \_\_\_\_\_  
LEVELS DISPLAYED: \_\_\_\_\_  
REFERENCE FILE: \_\_\_\_\_  
DIFFERENCE FILE: \_\_\_\_\_



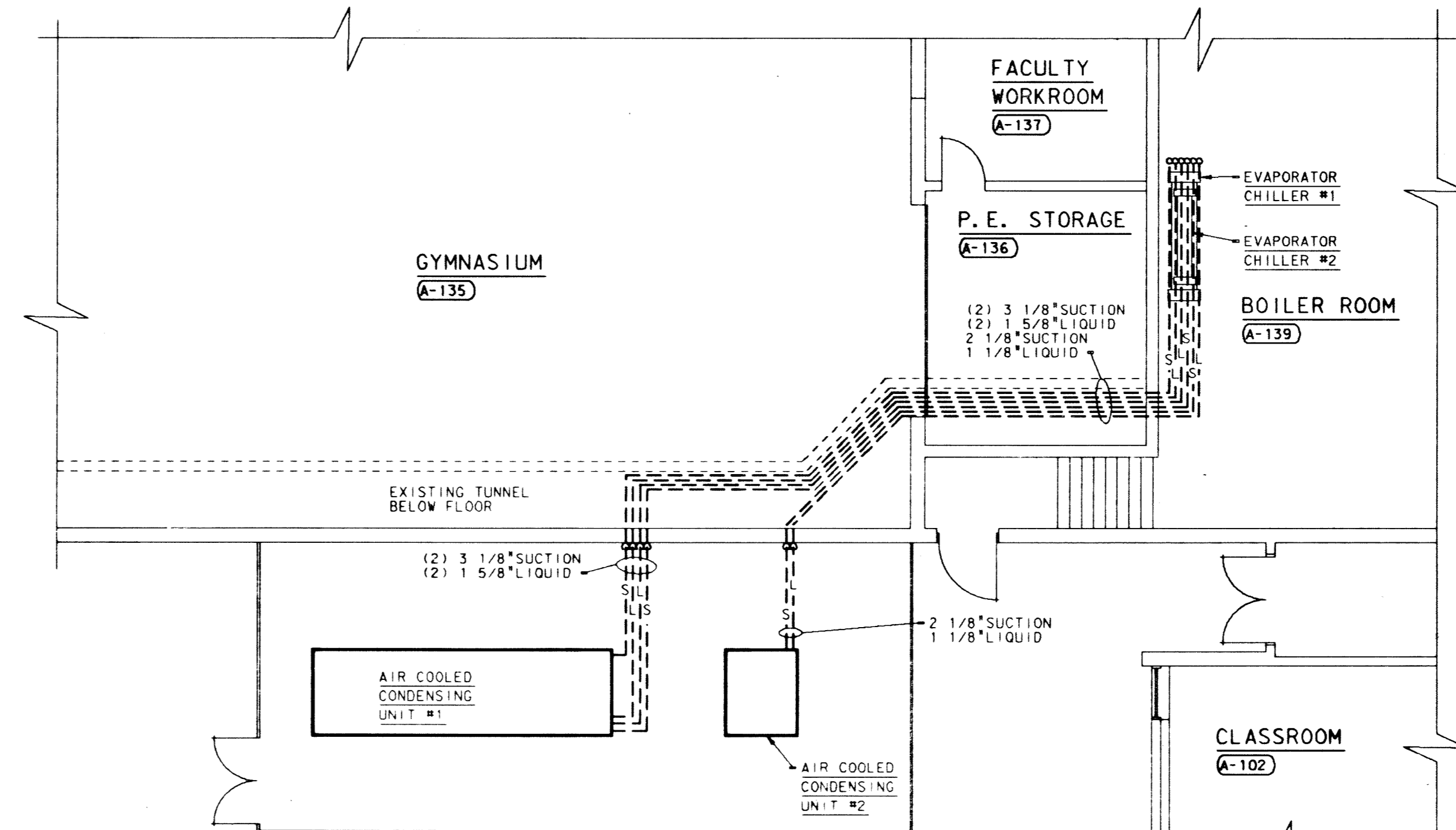
**BOILER ROOM PLUMBING PLAN**  
SCALE: 1/4" = 1'-0"



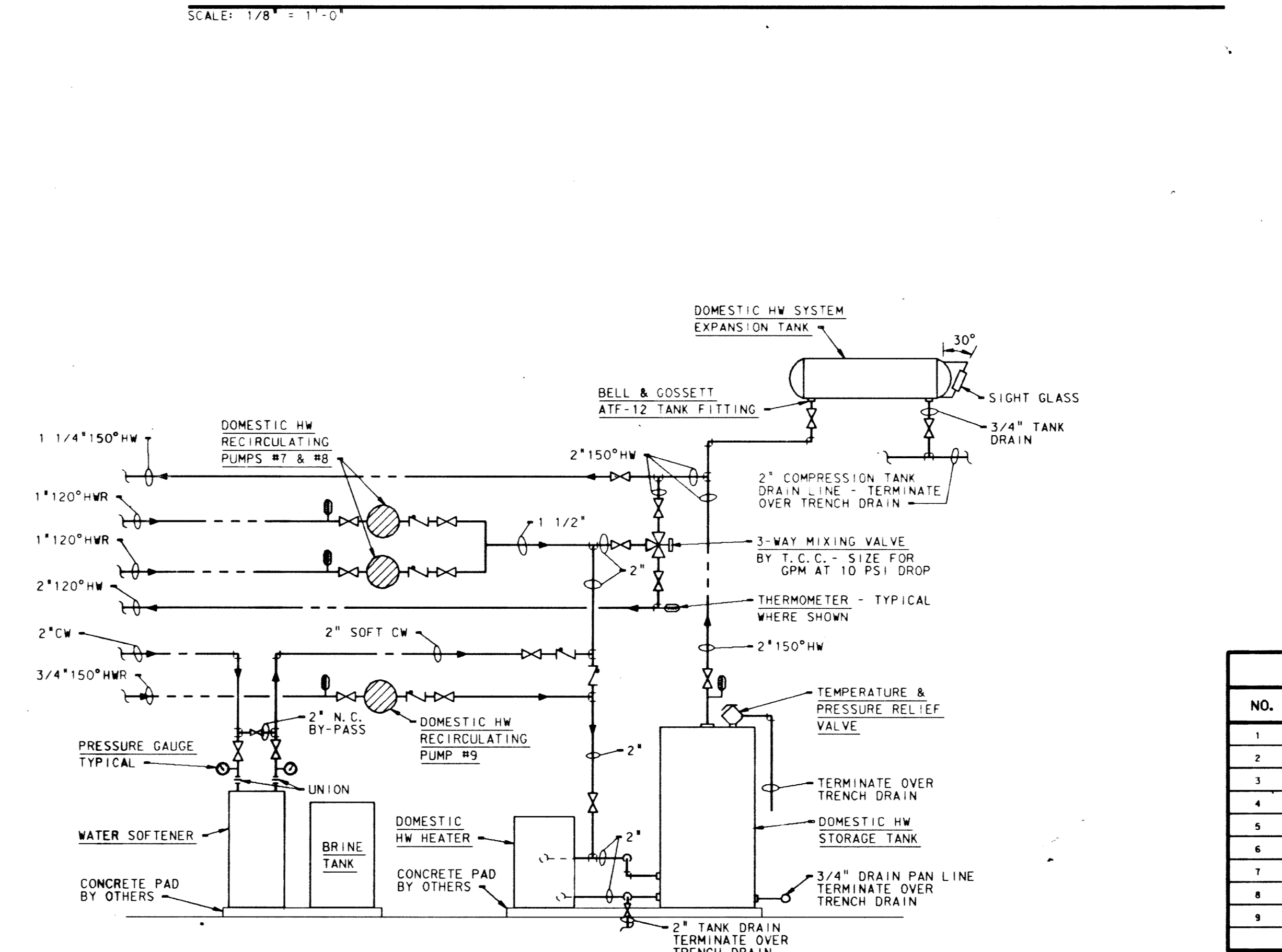
**BOILER ROOM H.V.A.C. PLAN**  
SCALE: 1/4" = 1'-0"



**EXISTING BOILER ROOM DEMOLITION PLAN**  
SCALE: 1/8" = 1'-0"



**REFRIGERANT PIPING PLAN**  
SCALE: 1/8" = 1'-0"



**DOMESTIC HOT WATER PIPING DIAGRAM**  
NOT TO SCALE

**DEMOLITION PLAN NOTES:**

- DISCONNECT AND REMOVE EXISTING STEAM CONDENSATE PUMP AND ALL EXISTING ASSOCIATED PIPING.
- DISCONNECT AND REMOVE EXISTING SERVICE SINK AND ALL ASSOCIATED WASTE, VENT AND WATER PIPING.
- DISCONNECT AND REMOVE EXISTING TEMPERATURE CONTROL AIR COMPRESSOR AND TEMPERATURE CONTROL PANEL.
- DISCONNECT AND REMOVE EXISTING DUPLEX SUMP PUMP, PUMP BASIN, BASIN VENT PIPING, PUMP DISCHARGE PIPING, CONTROLS, ETC., AS REQUIRED.
- DISCONNECT AND REMOVE EXISTING INCINERATOR, BURNER, BREACHING AND ALL ASSOCIATED GAS PIPING.
- REMOVE ALL EXISTING BOILER BREACHING.
- REMOVE EXISTING BOILER BLOW DOWN BASIN, BASIN VENT PIPING AND ALL BOILER BLOW DOWN PIPING.
- REMOVE EXISTING STEAM BOILERS, BURNERS AND ALL ASSOCIATED PIPING.
- DISCONNECT AND REMOVE EXISTING WATER SOFTENER, BRINE TANK AND ALL ASSOCIATED PIPING.
- DISCONNECT AND RELOCATE THE TWO EXISTING 2" WATER METERS. REMOVE ALL ASSOCIATED COLD WATER PIPING AND VALVES.
- DISCONNECT, REMOVE AND TURN OVER EXISTING GAS FIRED WATER HEATERS TO THE GAS AND CORE COMPANY. REMOVE EXISTING WATER HEATER FLUES AND ALL ASSOCIATED WATER AND GAS PIPING.
- DISCONNECT AND REMOVE EXISTING DOMESTIC HOT WATER STORAGE TANK AND ALL ASSOCIATED PIPING, RECIRCULATING PUMPS, ETC..
- REMOVE EXISTING FUEL OIL PUMPS AND ALL ASSOCIATED FUEL OIL PIPING, VALVES, STRAINERS, ETC..
- CUT EXISTING 3" SUMP PUMP DISCHARGE AND 2" FUEL OIL LINES AT THIS POINT.
- CUT EXISTING GAS LINE AND REMOVE ALL EXISTING GAS PIPING DOWNSTREAM FROM THIS POINT.
- DISCONNECT AND REMOVE ALL EXISTING PIPING, VALVES, FITTINGS, ETC. LOCATED IN THE BOILER ROOM AREA UNLESS OTHERWISE NOTED.
- DISCONNECT AND REMOVE EXISTING HUB DRAIN. REMOVE ALL EXISTING WASTE AND UNDER DRAIN PIPING LOCATED BELOW THE EXISTING BOILER ROOM FLOOR. THE EXISTING BOILER ROOM FLOOR WILL BE REMOVED BY THE GENERAL CONTRACTOR.

**HEATING, VENTILATING, AIR CONDITIONING AND PLUMBING GENERAL NOTES**

- SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
- ONE 36" X 36" OPPOSED BLADE MOTORIZED COMBUSTION AIR DAMPER BY TEMPERATURE CONTROL CONTRACTOR. DAMPER SHALL BE CONTROLLED BY A RELAY FURNISHED BY THE BURNER SUPPLIER IN THE HEATING SYSTEM BURNER CONTROL PANEL.
- CONNECT BOILER BREACHING TO EXISTING MASONRY FLUE AS REQUIRED.
- ALL VALVES, THERMOMETERS, GAUGES, FEEDERS, FITTINGS, ETC. NOTED ON BOILERS, CHILLERS, PUMPS AND COMPRESSION TANKS ARE TYPICAL FOR ALL BOILERS, CHILLERS, PUMPS AND COMPRESSION TANKS.
- ALL COMPRESSION TANK PIPING SHALL PITCH UP IN DIRECTION OF TANKS.
- INSTALL AN AIR VENT AT THE HIGH POINT OF EACH CIRCULATING PUMP DISCHARGE AND AT THE HIGH POINT OF EACH HEATING OR CHILLED WATER RETURN MAIN ENTERING THE BOILER ROOM.
- ALL STOP VALVES, THERMOMETERS AND GAUGES SHALL BE 1/2" MIN. AT 30° FROM VERTICAL AND SHALL BE EASILY READABLE FROM THE FLOOR (SEE SPECIFICATIONS).
- ALL PRESSURE RELIEF VALVES, TEMPERATURE RELIEF VALVES, DRAIN VALVES, ETC., SHALL HAVE A 3/4" WORKING PRESSURE. PROVIDE RUN TO NEAREST FLOOR DRAIN, TRENCH DRAIN OR SUMP PIT.
- ALL HORIZONTAL PIPING WITHIN THE BOILER ROOM SHALL BE SUSPENDED ON RUBBER-IN-SHEAR HANGERS (SEE SPECIFICATIONS).
- ALL TEMPERATURE REGULATING VALVES, 3-WAY MIXING VALVES, ETC., SHALL BE PROVIDED BY THE TEMPERATURE CONTROL CONTRACTOR.
- SEE SHEET M-10 FOR ADDITIONAL BOILER ROOM DIAGRAMS AND DETAILS.
- PROVIDE REFRIGERANT RELIEF VET. LINE FROM CHILLER THRU ROOF AND TERMINATE IN GOOSENECK.

**BOILER ROOM EQUIPMENT SCHEDULE:**

**HEATING SYSTEM BOILERS AND BURNERS:**  
THE HEATING SYSTEM BOILERS AND BURNERS HAVE BEEN PREPURCHASED BY THE OWNER. THIS CONTRACTOR SHALL PROVIDE ALL MATERIAL AND LABOR NECESSARY FOR MOVING THE BOILERS AND BURNERS FROM THE STORAGE LOCATION TO THE POINT OF INSTALLATION AND FOR SETTING THE BOILERS AND BURNERS IN PLACE AND HOOKING THEM UP COMPLETE.

**HEATING SYSTEM COMPRESSION TANKS (2 REQUIRED):**  
24" DIAMETER X 6'-0" LONG (OVERHEADS) 141 GALLONS CAPACITY EACH AND ASME CONSTRUCTED FOR 30 PSI WORKING PRESSURE. PROVIDE 3/4" DIAMETER "U" BAR HANGERS, SUSPENSION ANGLES, ETC. AS REQUIRED TO SUSPEND TANKS FROM THE STRUCTURAL STEEL ROOF FRAMING.

**AIR COOLED CONDENSING UNIT #1:**  
TRANE MODEL #RA1A-100DR OR AN APPROVED EQUAL HAVING 9 TONS CAPACITY AT 95°F AMBIENT TEMPERATURE. PROVIDE 1/2" PRESSURE DROP THRU CHILLER SHALL NOT EXCEED 17 FEET OF HEAD AT 328 GPM.

**EVAPORATOR CHILLER #1:**  
TRANE MODEL #EVA-C30 30 TON CHILLER, OR AN APPROVED EQUAL, HAVING 33.3 TONS CAPACITY WITH AN INLET WATER TEMPERATURE OF 52°F AND BOILER WATER TEMPERATURE OF 42°F. PROVIDE 1/2" PRESSURE DROP THRU CHILLER SHALL NOT EXCEED 17 FEET OF HEAD AT 328 GPM.

**CHILLED WATER COMPRESSION TANK #1:**  
18" DIAMETER X 6'-0" LONG (OVERHEADS) 79 GALLONS CAPACITY AND ASME CONSTRUCTED FOR 30 PSI WORKING PRESSURE. PROVIDE 3/4" DIAMETER "U" BAR HANGERS, SUSPENSION ANGLES, ETC. AS REQUIRED TO SUSPEND TANKS FROM THE STRUCTURAL STEEL ROOF FRAMING.

**AIR COOLED CONDENSING UNIT #2:**  
TRANE MODEL #RA1B-C30 OR AN APPROVED EQUAL HAVING 25.6 TONS CAPACITY AT 95°F AMBIENT TEMPERATURE. PROVIDE 1/2" PRESSURE DROP THRU CHILLER SHALL NOT EXCEED 17 FEET OF HEAD AT 273 GPM.

**EVAPORATOR CHILLER #2:**  
TRANE MODEL #EVA-C30 30 TON CHILLER, OR APPROVED EQUAL, HAVING 25.6 TONS CAPACITY WITH AN INLET WATER TEMPERATURE OF 52°F AND AN OUTLET WATER TEMPERATURE OF 42°F. PROVIDE 1/2" PRESSURE DROP THRU CHILLER SHALL NOT EXCEED 17 FEET OF HEAD AT 273 GPM.

**CHILLED WATER COMPRESSION TANK #2:**  
12" DIAMETER X 6'-0" LONG (OVERHEADS), 36 GALLONS CAPACITY AND ASME CONSTRUCTED FOR 30 PSI WORKING PRESSURE. PROVIDE 3/4" DIAMETER "U" BAR HANGERS, SUSPENSION ANGLES, ETC. AS REQUIRED TO SUSPEND TANK FROM STRUCTURAL STEEL ROOF FRAMING.

**FUEL OIL PUMP SET:**  
ACT DUPLEX PUMP SET #24, PUMP #20CS, OR AN APPROVED EQUAL, WITH EACH PUMP HAVING 10 GPH CAPACITY OF #2 FUEL OIL MEASURED AT 5" HG. VACUUM AND 50 PSI DISCHARGE HEAD. MOTOR DATA: (2) 1/2 HP, 115 VOLT, 1 PHASE, 60 HERTZ.

**AIR SEPARATOR #1:**  
BELL AND GOSSETT ROLAIRTROL #R-5 OR AN APPROVED EQUAL.

**AIR SEPARATOR #2:**  
BELL AND GOSSETT ROLAIRTROL #R-2 1/2 OR AN APPROVED EQUAL.

**AIR SEPARATOR #3:**  
BELL AND GOSSETT ROLAIRTROL #R-4 OR AN APPROVED EQUAL.

**TEMPERATURE CONTROL AIR COMPRESSOR AND AFTERCOOLER (DUPLX):**  
BY TEMPERATURE CONTROL CONTRACTOR. COMPRESSOR SHALL BE MOUNTED ON AN 80 GALLON HORIZONTAL RECEIVER. MOTOR DATA: (2) 3/4 HP, 200 VOLT, 3 PHASE, 60 HERTZ. AFTERCOOLER MOTOR DATA: 1/2 HP, 115 VOLT, 1 PHASE, 60 HERTZ.

**DOMESTIC HOT WATER HEATER:**  
LOCHINVAR POWER FIN MODEL #P4050PM GAS FIRED HAVING 793 GPH RECOVERY AT 100° TEMPERATURE RISE. HEATER SHALL BE ASME CONSTRUCTED FOR 160 PSI WORKING PRESSURE AND BE AN APPROVED HEATER SHALL BE PROVIDED WITH ALL STANDARD OPERATING EQUIPMENT AND IN ADDITION SHALL BE PROVIDED WITH AN INTERNALLY INSTALLED CIRCULATING PUMP PROVIDED WITH INTERMITTENT PUMP OPERATING CONTROLS. PUMP MOTOR DATA: 1/2 HP, 115 VOLT, 1 PHASE, 60 HERTZ.

**DOMESTIC HOT WATER STORAGE TANK:**  
LOCHINVAR "LOCK-TEMP", VERTICAL, GLASS LINED MODEL #L1V220-318U HAVING 318 GALLONS STORAGE CAPACITY. ASME CONSTRUCTED FOR 125 PSI WORKING PRESSURE AND BE ENCASED IN AN INSULATED CHANNEL GALVANIZED STEEL CABINET.

**DOMESTIC HOT WATER SYSTEM EXPANSION TANK:**  
12" DIAMETER X 6'-0" LONG (OVERHEADS) ASME CONSTRUCTED FOR 125 PSI WORKING PRESSURE. 36 GALLONS CAPACITY. PROVIDE 3/4" DIAMETER "U" BAR HANGERS, SUSPENSION ANGLES, ETC. AS REQUIRED TO SUSPEND TANK FROM STRUCTURAL STEEL ROOF FRAMING.

**WATER SOFTENING EQUIPMENT:**  
BRUNER MODEL #BR 150-1-1722, OR AN APPROVED EQUAL, HAVING 150,000 GRAINS MAXIMUM EXCHANGE CAPACITY, 58 GPM CONTINUOUS SERVICE FLOW RATE, 10 GPM BACKWASH RATE AND 24" DIAMETER X 60" HIGH BRINE TANK.

**DUPLEX SUMP PUMP (SUBMERSIBLE TYPE):**  
PEERLESS MODEL #MNSB3, OR AN APPROVED EQUAL, WITH EACH PUMP HAVING 50 GPM AT 15 FEET OF HEAD CAPACITY AND MERCURY FLOAT SWITCH CONTROL. MOTOR DATA: (2) 3/4 HP, 200 VOLT, 3 PHASE, 60 HERTZ, 1750 RPM. PROVIDE 3/4" DIAMETER X 5'-0" DEEP FIBERGLASS BASIN WITH GAS TIGHT STEEL COVER.

**BACKFLOW PREVENTER:**  
INDIANA STATE BOARD OF HEALTH APPROVED REDUCED PRESSURE TYPE, SIZE 1 1/2".

**HEATING AND CHILLED WATER CHEMICAL TREATMENT SYSTEMS:**  
ONE SHOT CHEMICAL FEEDERS AS MANUFACTURED BY MOGUL, WIKING OR DEARBORN - SEE SPECIFICATIONS.

**CIRCULATING PUMP SCHEDULE**

NO.	SYSTEM SERVED	BELL AND GOSSETT MODEL NUMBER	SIZE OR MODEL	G.P.M.	FEET HEAD	H.P.	SEE NOTE
1	HEATING SYSTEM	1531 SERIES	2 1/2" 288	201	74	7 1/2	1
2	HEATING SYSTEM	1531 SERIES	2 1/2" 288	201	74	7 1/2	1
3	CHILLED WATER SYSTEM	1531 SERIES	3C	328	86	15	1
4	CHILLED WATER SYSTEM	1531 SERIES	3C	328	86	15	1
5	CHILLED WATER SYSTEM	1531 SERIES	1 1/4" 48C	73	74	3	1
6	CHILLED WATER SYSTEM	1531 SERIES	1 1/4" 48C	73	74	3	1
7	DOMESTIC HW RECIRCULATING	BOOSTER	8-1 1/2"	10	12	1/6	2,3
8	DOMESTIC HW RECIRCULATING	BOOSTER	8-1 1/2"	10	12	1/6	2,3
9	DOMESTIC HW RECIRCULATING	BOOSTER	8-1 1/2"	10	12	1/6	2,3

**NOTES:**  
1. PUMP MOTOR: 200 VOLTS, 3 PHASE, 60 HERTZ, 1750 RPM.  
2. PUMP MOTOR: 115 VOLTS, 1 PHASE, 60 HERTZ, 1750 RPM.  
3. PUMP SHALL START AND STOP ON 10° TEMPERATURE VARIATION IN RETURN MAINS.

**BROOK PARK ELEMENTARY**

**EVERETT L. BROWN Company**  
Architects & Engineers  
34 NORTH MERIDIAN STREET  
INDIANAPOLIS, INDIANA 46204

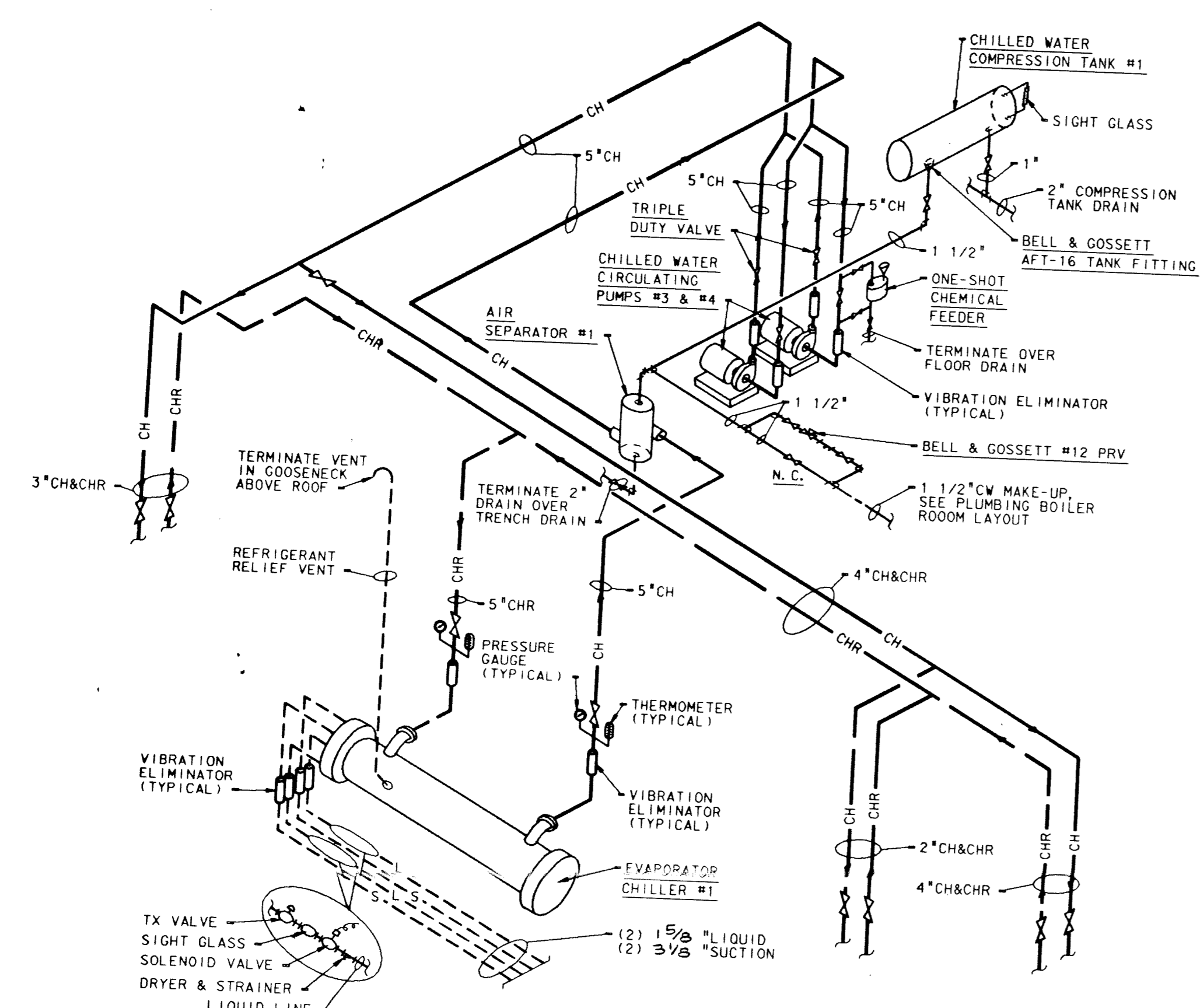
REGISTERED PROFESSIONAL ENGINEER  
No. 1449  
STATE OF INDIANA  
ARCHITECT

PROJECT  
871-50  
DATE  
MAR. 21, 1988  
REVISED

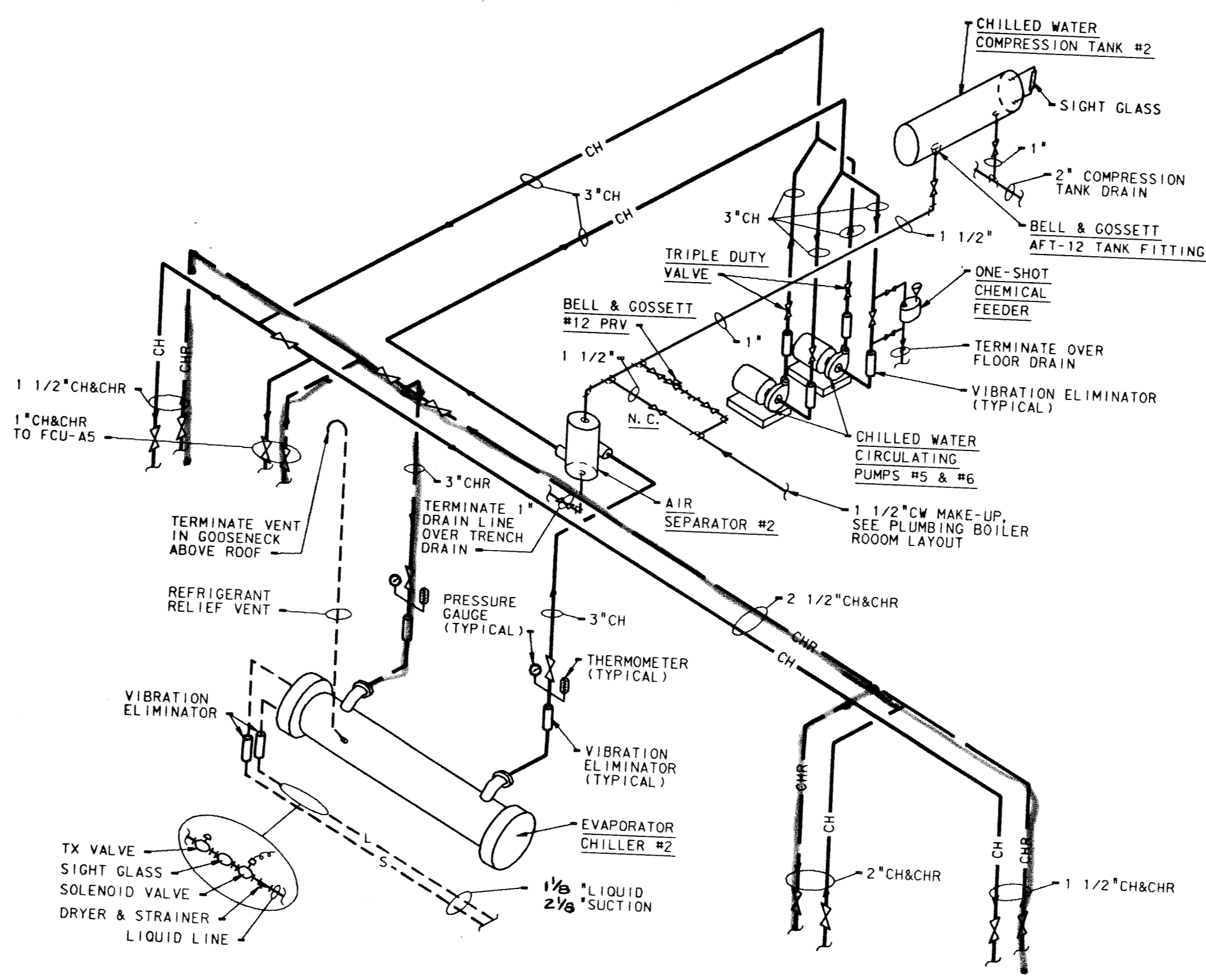
NO. M-9  
OF 13



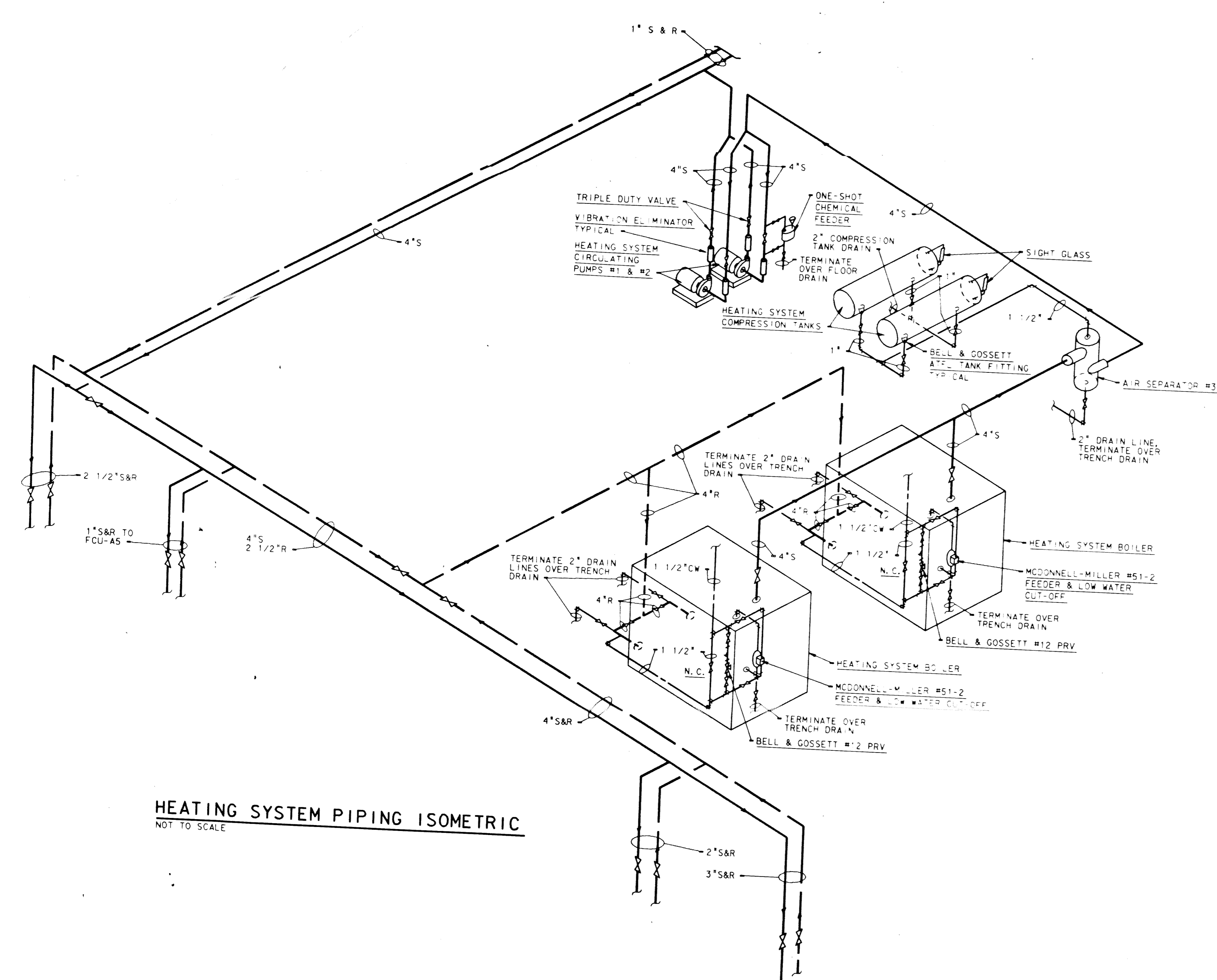
PLAN NOTES:  
 ① SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.



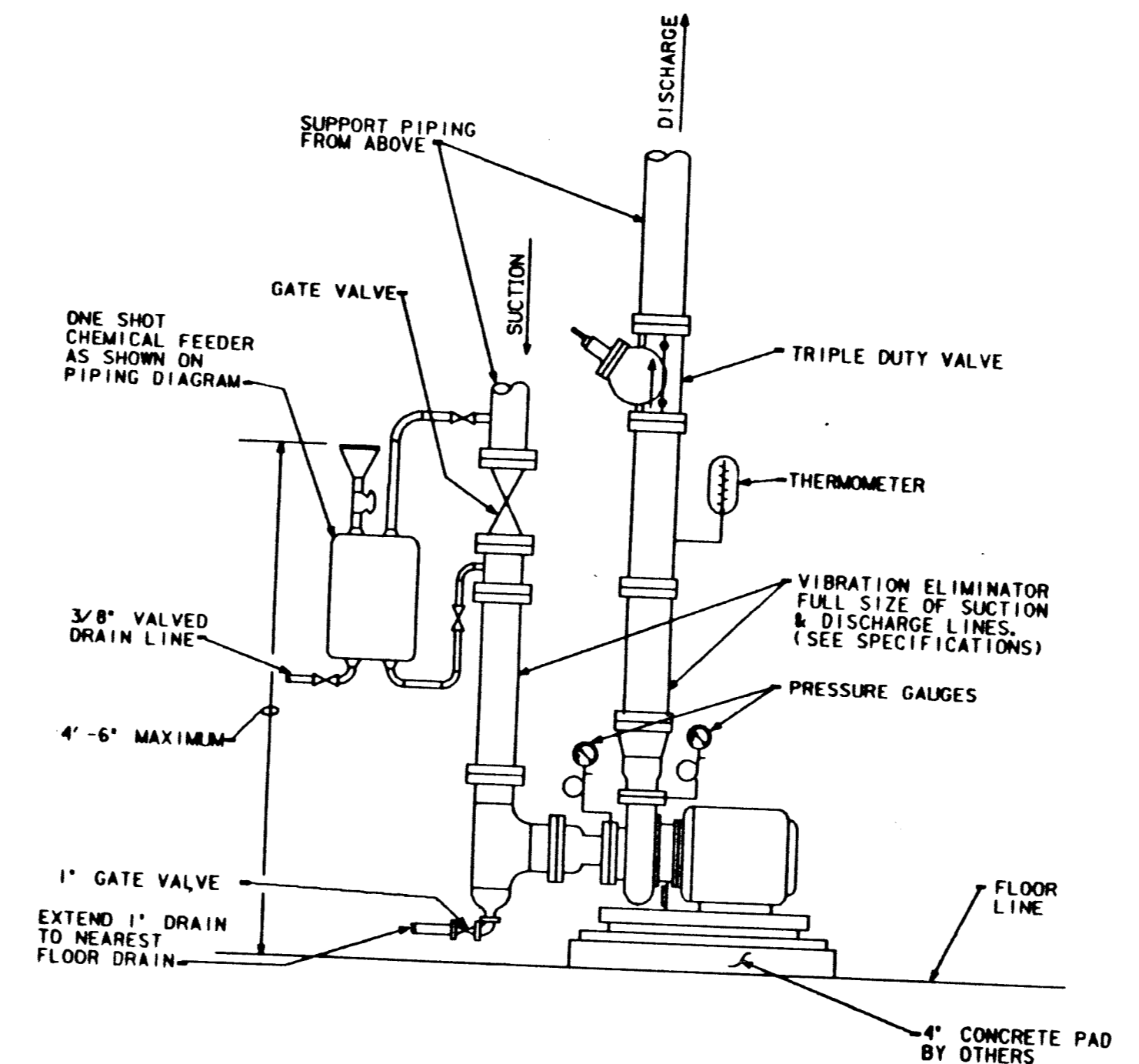
CHILLED WATER PIPING ISOMETRIC #1  
 NOT TO SCALE



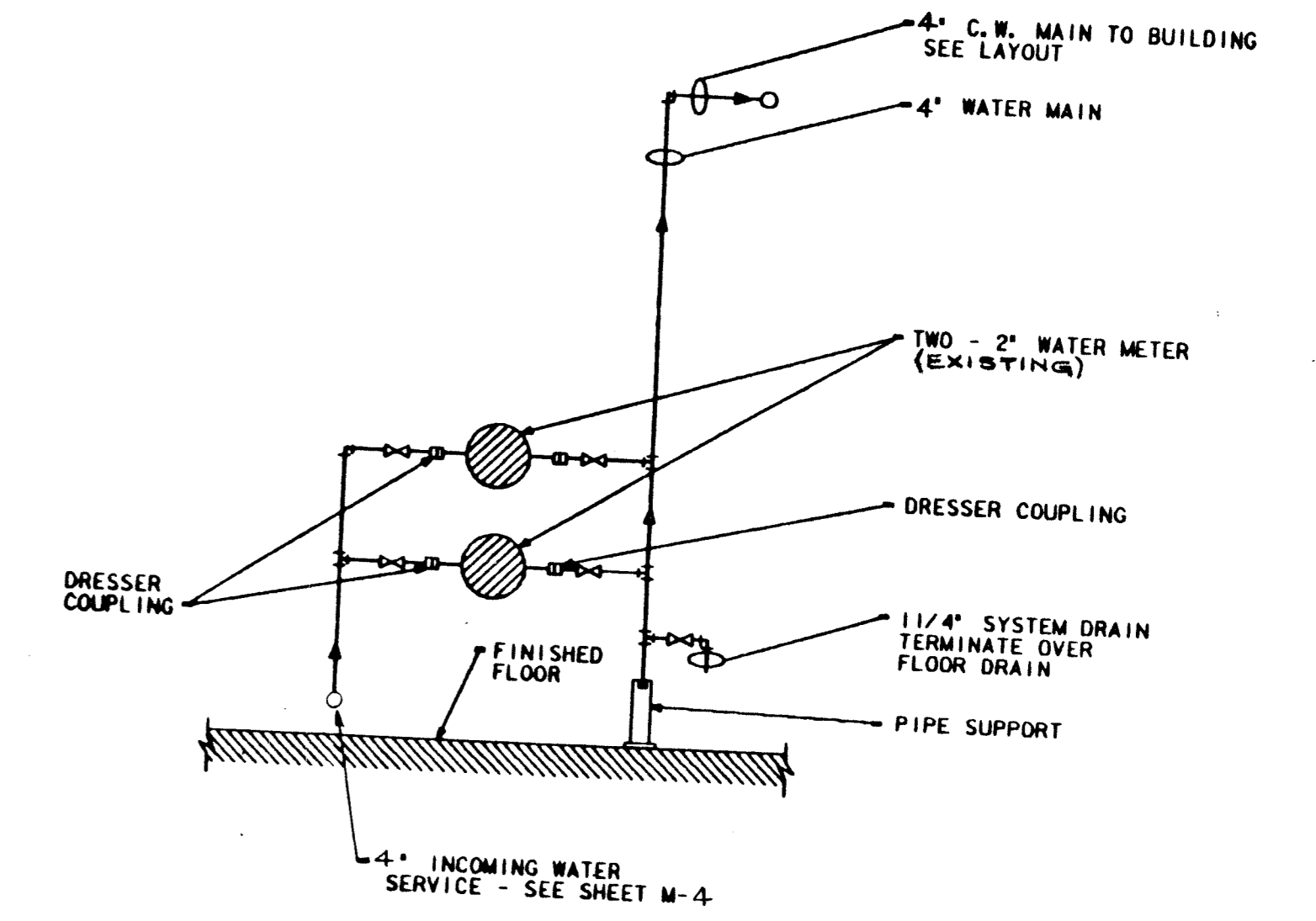
CHILLED WATER PIPING ISOMETRIC #2  
 NOT TO SCALE



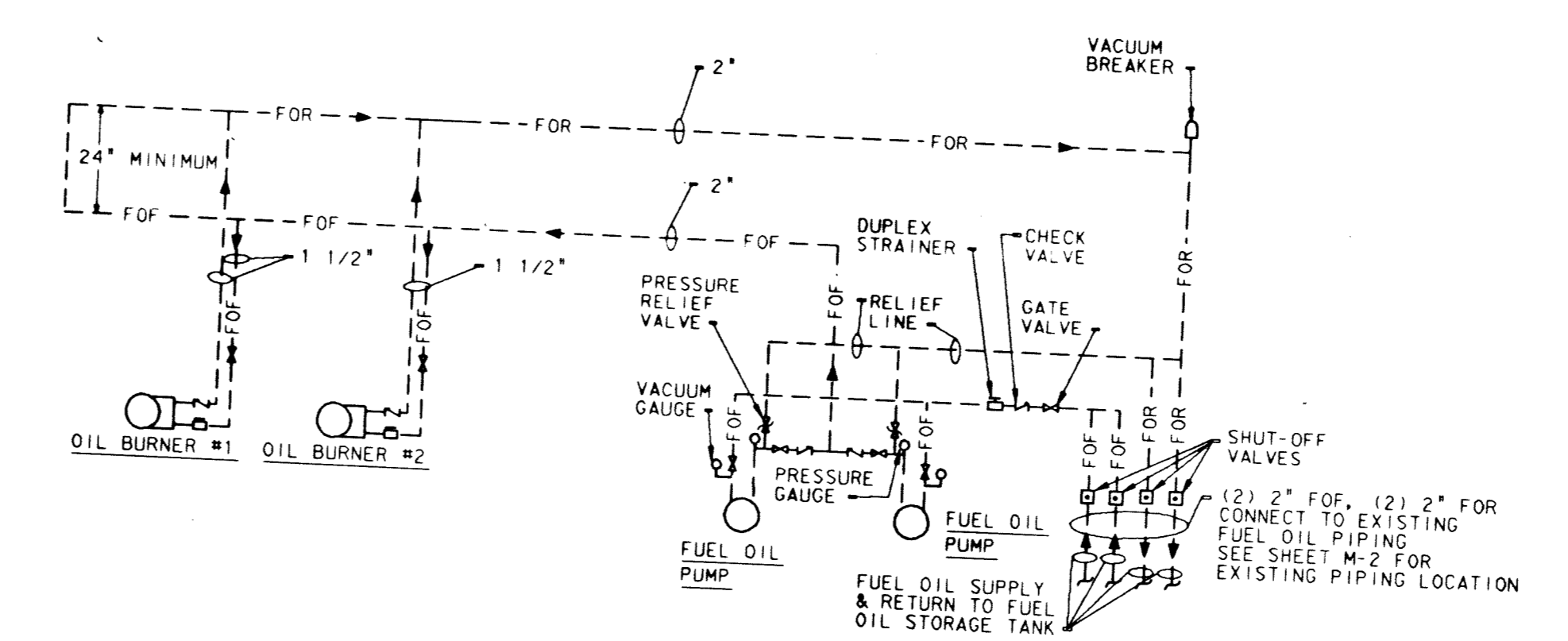
HEATING SYSTEM PIPING ISOMETRIC  
 NOT TO SCALE



TYPICAL CIRCULATING PUMP CONNECTION  
 NO SCALE



WATER METER PIPING DIAGRAM  
 NO SCALE



FLOODED LOOP OIL PIPING DIAGRAM  
 NO SCALE

BROOK PARK ELEMENTARY

EVERETT L. EDGEMAN Company  
 Architects & Engineers  
 30 NORTH MERIDIAN STREET  
 INDIANAPOLIS, INDIANA 46204

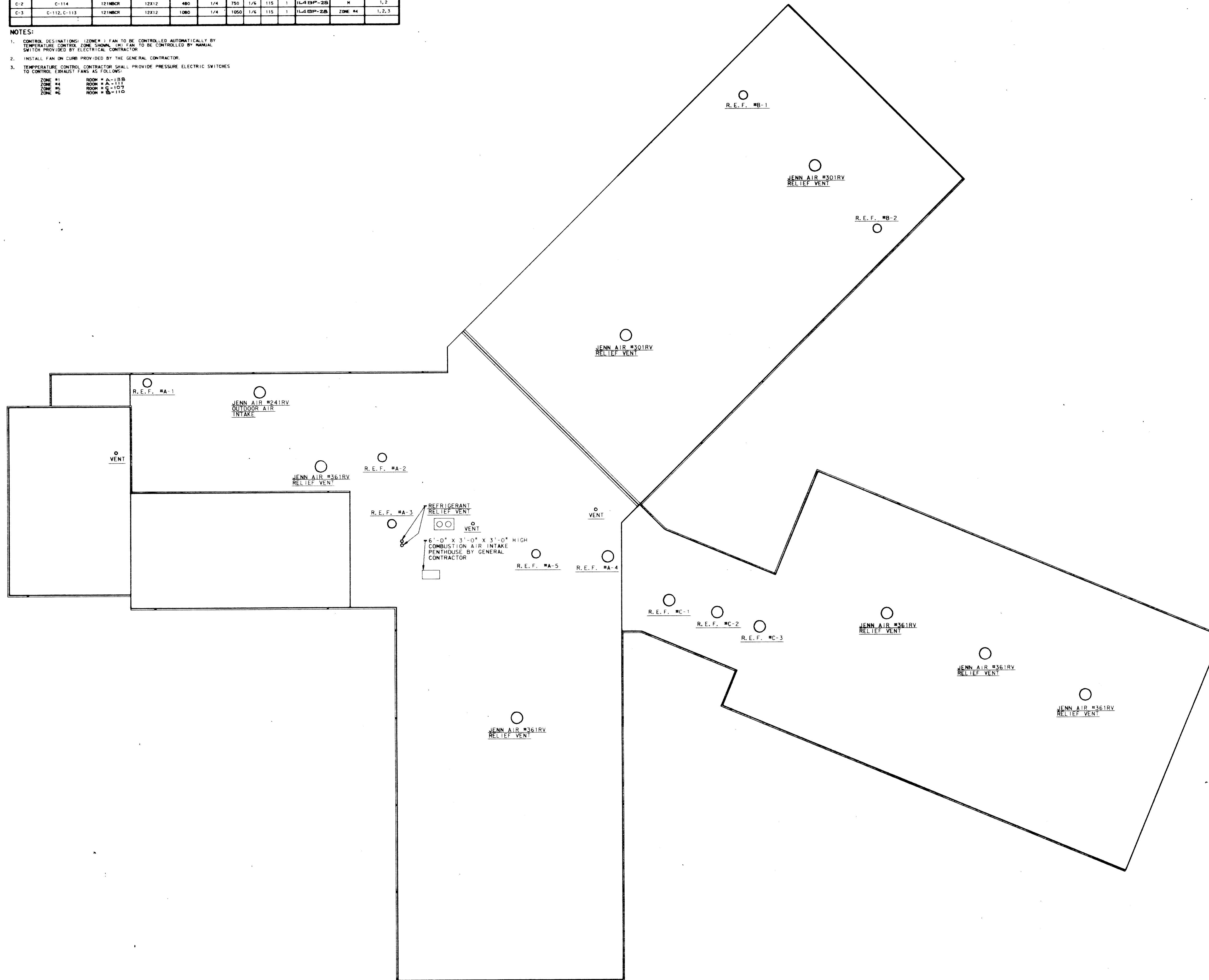
REGISTERED ARCHITECT  
 STATE OF INDIANA  
 No. 1449

PROJECT 871-150  
 DATE MAR. 21, 1988  
 REVISED

SCALE: 1/4" = 1'-0"  
 1/8" = 1'-0"  
 1/16" = 1'-0"  
 1/32" = 1'-0"

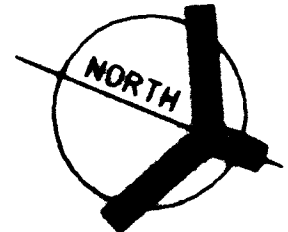
ROOF EXHAUST FAN SCHEDULE												
NO.	AREA EXHAUSTED	JENAIR MODEL NUMBER	BACK-DRAFT DAMPER	C. F. M.	SP. OF V.C.	MOTOR DATA			POWER CIRCUIT	CONTROL NOTE #1	SEE NOTE	
						H.P.	N.P.	VOLTS				
A-1	A-130	71CR	888	145	1/4	1400	1/25	115	1	ILLB ESP-27	ZONE #1	1,2,3
A-2	A-124, A-125	121MCR	12112	600	1/4	850	1/6	115	1	ILLB ESP-25G	M	1,2
A-3	A-137	121MCR	12112	450	1/4	750	1/6	115	1	ILLB ESP-25G	M	1,2
A-4	A-112, A-115	252MCR	26226	3550	1/4	490	1/3	115	1	ILLB ESP-18	ZONE #5	1,2,3
A-5	A-113, A-114, A-116	121MCR	12112	420	1/4	750	1/6	115	1	ILLB ESP-20	ZONE #5	1,2,3
B-1	B-106, B-107, B-108	121MCR	12112	404	1/4	750	1/6	115	1	ILLB ESP-22	ZONE #6	1,2,3
B-2	B-114, B-117, B-118	121MCR	12112	405	1/4	750	1/6	115	1	ILLB ESP-22	ZONE #6	1,2,3
C-1	C-115, C-116, C-117	193MCR	18818	2225	1/4	700	1/3	115	1	ILLB ESP-26	ZONE #4	1,2,3
C-2	C-114	121MCR	12112	480	1/4	750	1/6	115	1	ILLB ESP-28	M	1,2
C-3	C-112, C-113	121MCR	12112	1060	1/4	1050	1/6	115	1	ILLB ESP-28	ZONE #4	1,2,3

- NOTES:
- CONTROL DESIGNATIONS: (ZONE #) FAN TO BE CONTROLLED AUTOMATICALLY BY TEMPERATURE CONTROL; (ZONE SHOWN) FAN TO BE CONTROLLED BY MANUAL SWITCH PROVIDED BY ELECTRICAL CONTRACTOR.
  - INSTALL FAN ON CURB PROVIDED BY THE GENERAL CONTRACTOR.
  - TEMPERATURE CONTROL CONTRACTOR SHALL PROVIDE PRESSURE ELECTRIC SWITCHES TO CONTROL EXHAUST FANS AS FOLLOWS:  
 ZONE #1 ROOM # A-130  
 ZONE #4 ROOM # C-115  
 ZONE #5 ROOM # C-107  
 ZONE #6 ROOM # B-110



**MECHANICAL ROOF PLAN**

SCALE: 1/16" = 1'-0"

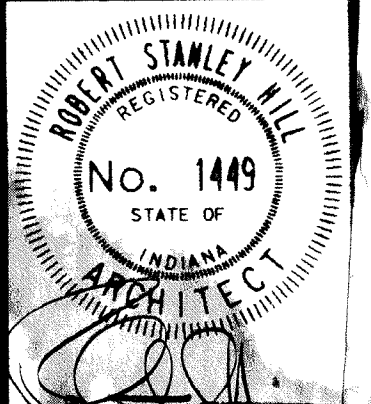


- PLAN NOTES:
- SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND SCHEDULES.
  - ALL WORK SHOWN ON THIS SHEET IS BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE NOTED.
  - ALL VENTS NOT OTHERWISE NOTED ARE 3" PLUMBING VENTS.
  - THE MECHANICAL CONTRACTOR SHALL FIELD CUT THE SMALL ROOF OPENINGS REQUIRED FOR PLUMBING VENTS AND REFRIGERANT RELIEF VENTS.

PLOT NAME: DELIVER TO:  
 DESIGN FILE: LEVELS DISPLAYED:  
 REFERENCE FILE: LEVELS DISPLAYED:  
 REFERENCE FILE: LEVELS DISPLAYED:

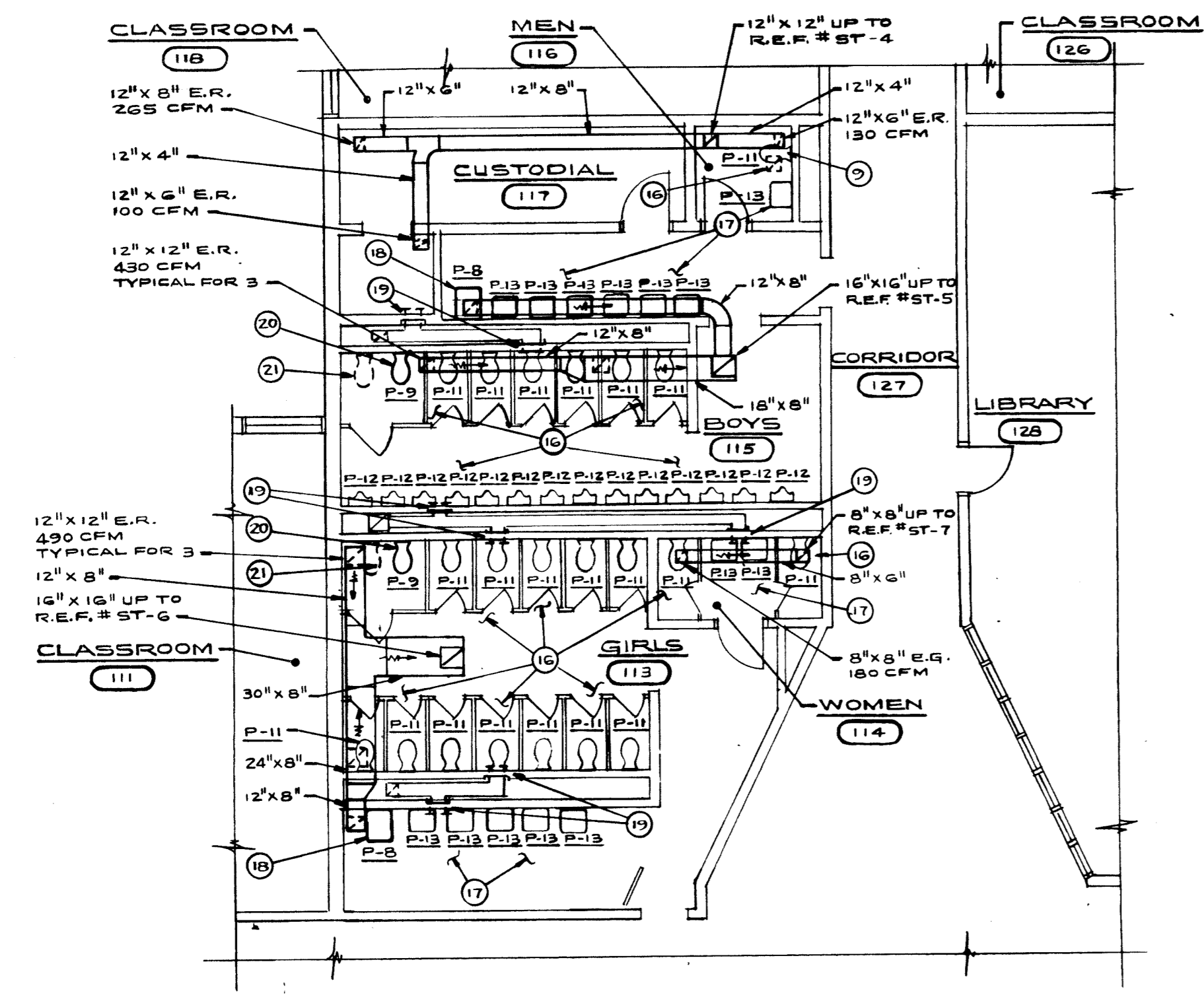
**BROOK PARK ELEMENTARY**

**EVERETT I. Company**  
**ED BROWN**  
 Architects & Engineers  
 94 NORTH MERIDIAN STREET  
 INDIANAPOLIS, INDIANA 46204

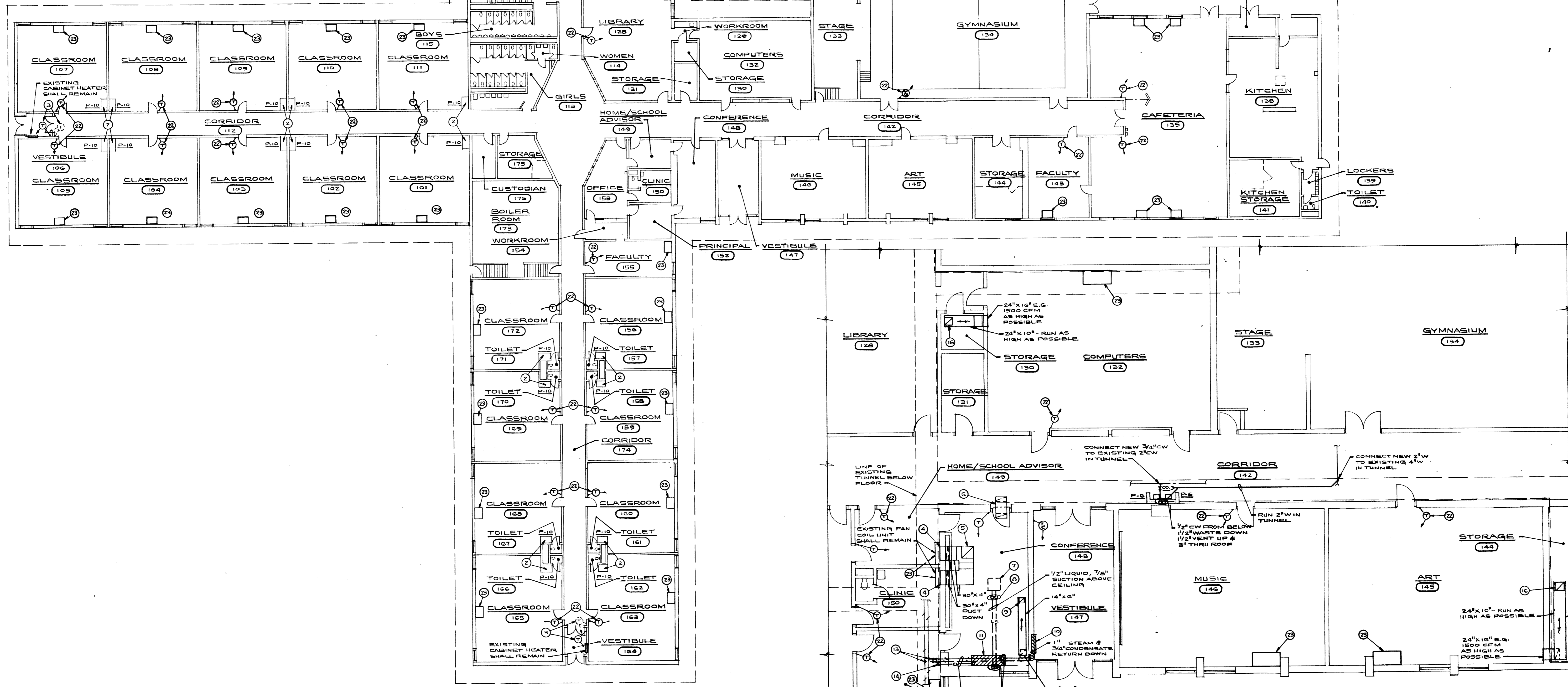


PROJECT: 871-150  
 DATE: MAR. 24, 1988  
 REVISED:

NO. M-II  
 OF 13



**MECHANICAL PARTIAL FLOOR PLAN**  
SCALE 1/8"=1'-0"



**MECHANICAL FLOOR PLAN**  
SCALE 1/16"=1'-0"

NO.	AREA EXHAUSTED	FAN MODEL NUMBER	ROOF DUCT DIAMETER	C.F.M.	W.C.	W.P.	W.T.	W.P.	W.T.	POWER CIRCUITRY	CONTROL NOTE #1	SEE NOTE
ST-1	108	10012	300	1/4	750	1/8	110	1				1, 2
ST-2	109	10012	300	1/4	750	1/8	110	1				1, 2
ST-3	110	10012	300	1/4	750	1/8	110	1				1, 2
ST-4	116, 117	12000R	12012	400	1/4	700	1/8	110	1		AUTOMATIC	1, 2, 3
ST-5	118	10012	300	1/4	750	1/8	110	1				1, 2, 3
ST-6	119	10012	300	1/4	750	1/8	110	1				1, 2, 3
ST-7	114	810R	300	1/4	400	1/8	110	1				1, 2, 3

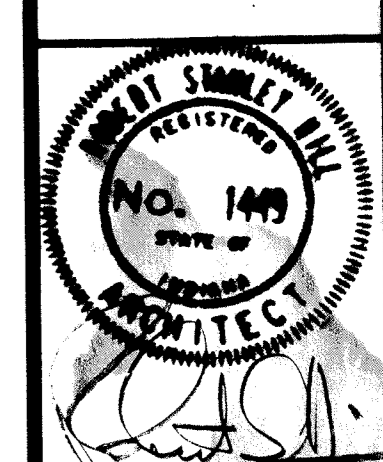
- NOTES:**
1. CONTROL REGULATIONS: (A) FAN TO BE CONTROLLED BY MANUAL SWITCH PROVIDED BY THE ELECTRICAL CONTRACTOR. (B) FAN TO BE CONTROLLED BY EXISTING THERMOSTAT.
  2. INSTALL FAN ON CURB PROVIDED BY THE GENERAL CONTRACTOR.
  3. CONDENSATE CONTROL: CONTRACTOR SHALL PROVIDE PRESSURE ELECTRIC HOT TAPS TO CONDENSATE DRAIN TUNNEL AS FOLLOWS:  
(EXISTING ROOM)

- PLAN NOTES:**
1. SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND DETAILS.
  2. DISCONNECT PIPING FROM EXISTING CABINET HEATER SINK BEING REMOVED BY OTHERS IN THIS AREA. MODIFY EXISTING PIPING AS REQUIRED FOR CONNECTION TO NEW CABINET SINK. PROVIDE NEW SUPPLY PIPES AND STOPS.
  3. REMOVE THERMOSTAT SERVING EXISTING CABINET HEATER AND INSTALL A NEW THERMOSTAT AT THE LOCATION INDICATED.
  4. REMOVE OUTDOOR AIR INTAKE LOWER SERVING THE EXISTING FAN COIL UNIT AND CONNECT UNIT TO NEW OUTDOOR AIR INTAKE DUCT AS REQUIRED.
  5. 24" x 24" DUCT UP TO JENH AIR #241RV OUTDOOR AIR INTAKE ON ROOF.
  6. 24" x 12" RELIEF AIR GRILLES CONNECTED BY 24" x 6" DUCT WITH FIRE DAMPER.
  7. INSTALL AIR COOLED CONDENSING UNIT ON EQUIPMENT RAILS ON ROOF. AIR COOLED CONDENSING UNIT SHALL BE FRAME MODEL #T18727A100A, OR AN APPROVED EQUAL, HAVING 27,000 NOMINAL COOLING CAPACITY, COMPRESSION DATA: 3.3 R.W., 200 VOLT, 1 PHASE, 60 HERTZ; FAN MOTOR DATA: 1/5 H.P., 200 VOLT, 1 PHASE, 60 HERTZ.
  8. 1/2" LIQUID, 7/8" SUCTION LINES UP THRU ROOF AND CONNECT TO AIR COOLED CONDENSING UNIT. PROVIDE PIPE PORTALS.
  9. REMOVE EXISTING FLUSH VALVE FROM WATER CLOSET ON URINAL AND INSTALL NEW FLUSH VALVE - SEE SPECIFICATIONS.
  10. CABINET HEATER SHALL BE FRAME MODEL #RABROOK SEMI-RECESSED TYPE HAVING 45.5 HPH HEATING CAPACITY USING 2 PSIG STEAM. CABINET HEATER SHALL BE RECESSED 4".
  11. CLASSROOM UNIT VENTILATOR SHALL BE FRAME MODEL #TUDW0757M HAVING TO HIGH HEATING CAPACITY USING 2 PSIG STEAM AND 22.2 HPH NOMINAL DIRECT EXPANSION COOLING COIL CAPACITY. MOTOR DATA: 1/4 H.P., 115 VOLT, 1 PHASE, 60 HERTZ. PROVIDE AIR TIGHT INSULATED DUCT SLEEVE FROM UNIT TO WALL LOWER PROVIDED BY OTHERS.
  12. 1 1/4" STEAM, 1" CONDENSATE RETURN AND 1" CONDENSATE DRAIN LINE BELOW FLOOR. EXISTING NEW PIPING IS RUN BELOW EXISTING FLOOR SLAB WORK SHALL BE PERFORMED AS SHOWN IN DETAIL SHOWING CUTS IN EXISTING FINISHED SURFACES ON SHEET M-1.
  13. CONNECT NEW 1 1/4" STEAM AND 1" CONDENSATE RETURN TO EXISTING STEAM AND CONDENSATE RETURN PIPING IN TUNNEL.
  14. CONNECT 1" CONDENSATE DRAIN LINE TO EXISTING CLAY TILE UNDERDRAIN BELOW TUNNEL FLOOR.
  15. CONNECT 1/2" LIQUID, 7/8" SUCTION, 1" STEAM AND 3/4" CONDENSATE RETURN TO CLASSROOM UNIT VENTILATOR AS REQUIRED.
  16. REMOVE EXISTING EXHAUST GRILLE, DUCTWORK AND EXHAUST FAN LOCATED ON ROOF IN THIS AREA.
  17. REMOVE EXISTING FAUCETS, SUPPLY PIPES, STOPS, TRAP, ETC., FROM EXISTING LAVATORIES AND INSTALL NEW LAVATORY TRIM - SEE SPECIFICATIONS.
  18. DISCONNECT AND REMOVE EXISTING LAVATORY AND INSTALL NEW HANDICAPPED LAVATORY. CONNECT HANDICAPPED LAVATORY TO EXISTING WASTE AND WATER PIPING LOCATED IN EXISTING PIPE CHASE.
  19. REMOVE EXISTING WALL EXHAUST GRILLE AND CAP DUCTWORK BELOW FINISHED WALL SURFACE.
  20. DISCONNECT AND REMOVE EXISTING WATER CLOSET AND INSTALL NEW HANICAPPED WATER CLOSET. CONNECT NEW WATER CLOSET TO EXISTING WASTE, VENT AND WATER PIPING LOCATED IN EXISTING PIPE CHASE.
  21. DISCONNECT AND REMOVE EXISTING WATER CLOSET. REMOVE EXISTING WASTE AND WATER PIPING TO A POINT BELOW FINISHED WALL SURFACE. THEN PLUG AND CAP.
  22. REMOVE EXISTING THERMOSTAT AND INSTALL NEW THERMOSTAT.
  23. RENOVATE EXISTING UNIT VENTILATOR TEMPERATURE CONTROL SYSTEM - SEE AUTOMATIC TEMPERATURE CONTROL SPECIFICATIONS.

**MECHANICAL PARTIAL FLOOR PLAN**  
SCALE 1/8"=1'-0"

**SKILES TEST ELEMENTARY**

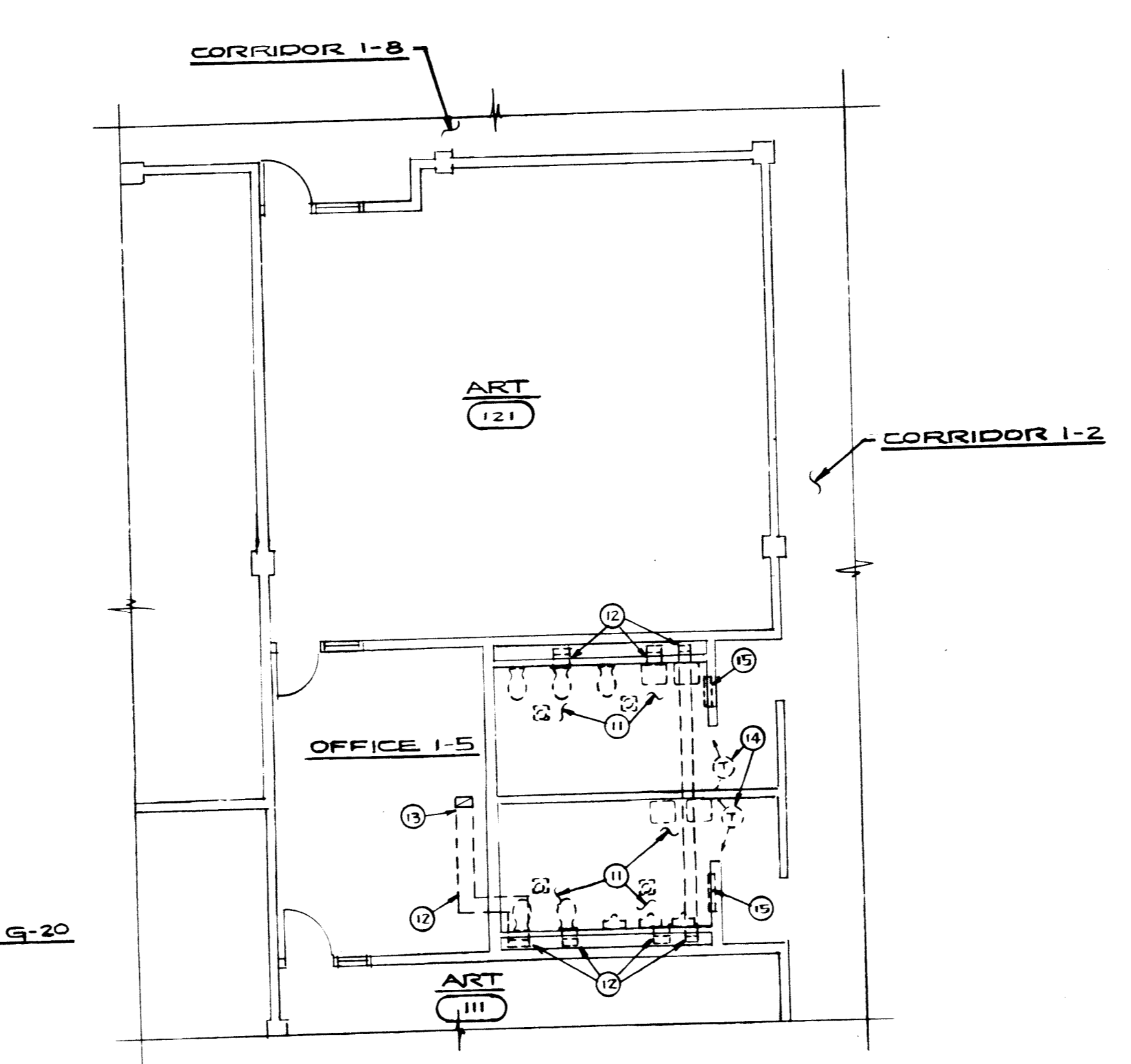
**EVERETT ED CROWN Company**  
Architects & Engineers  
841 NORTH MERIDIAN STREET  
INDIANAPOLIS, INDIANA 46204



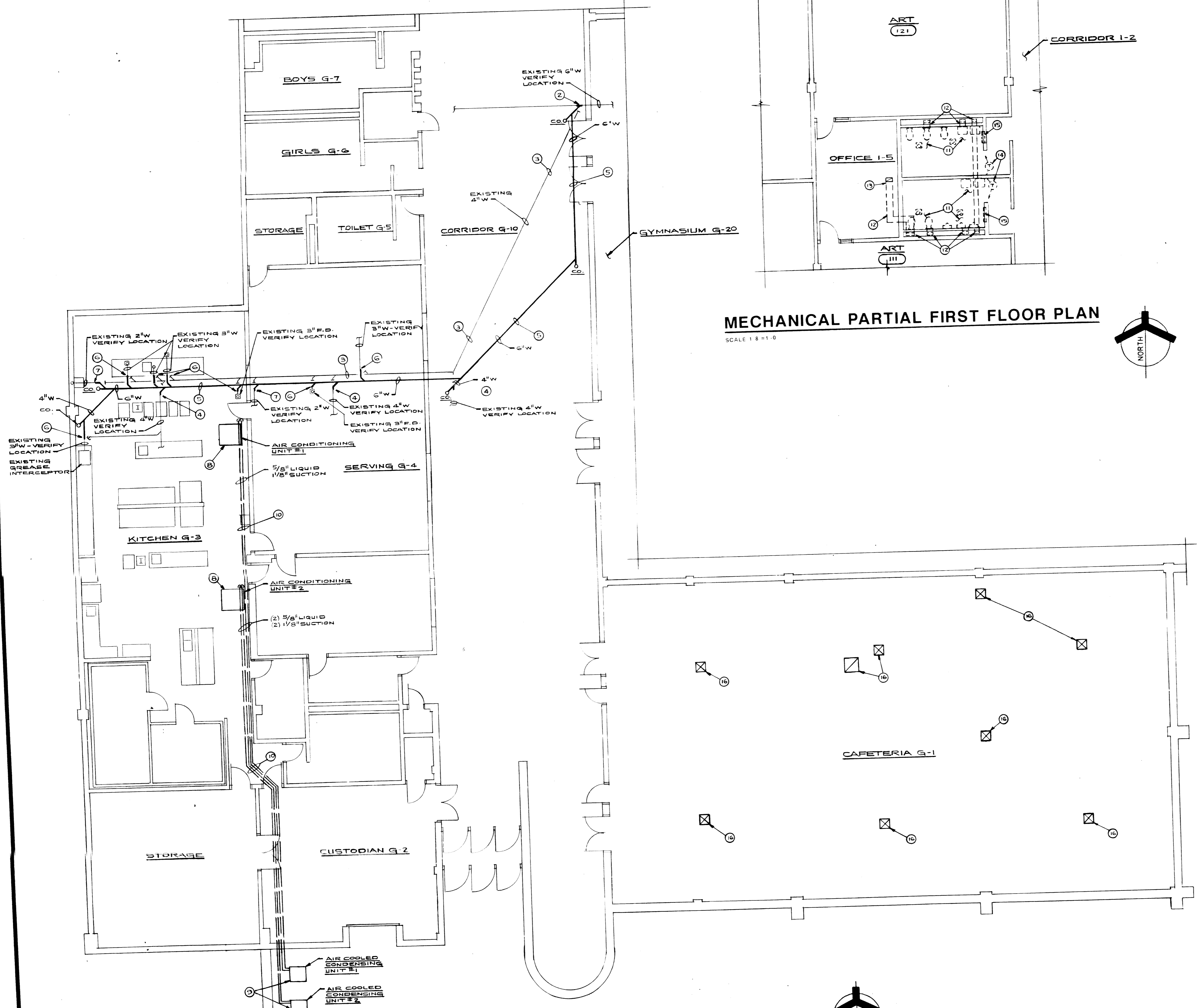
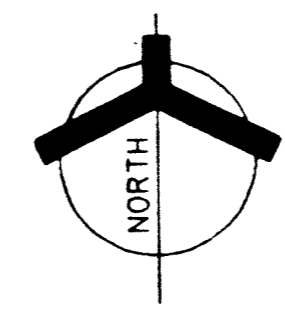
PROJECT  
**67-50**  
DATE  
**MAR. 2, 1968**  
REVISED

NO. **M-12**  
OF **13**

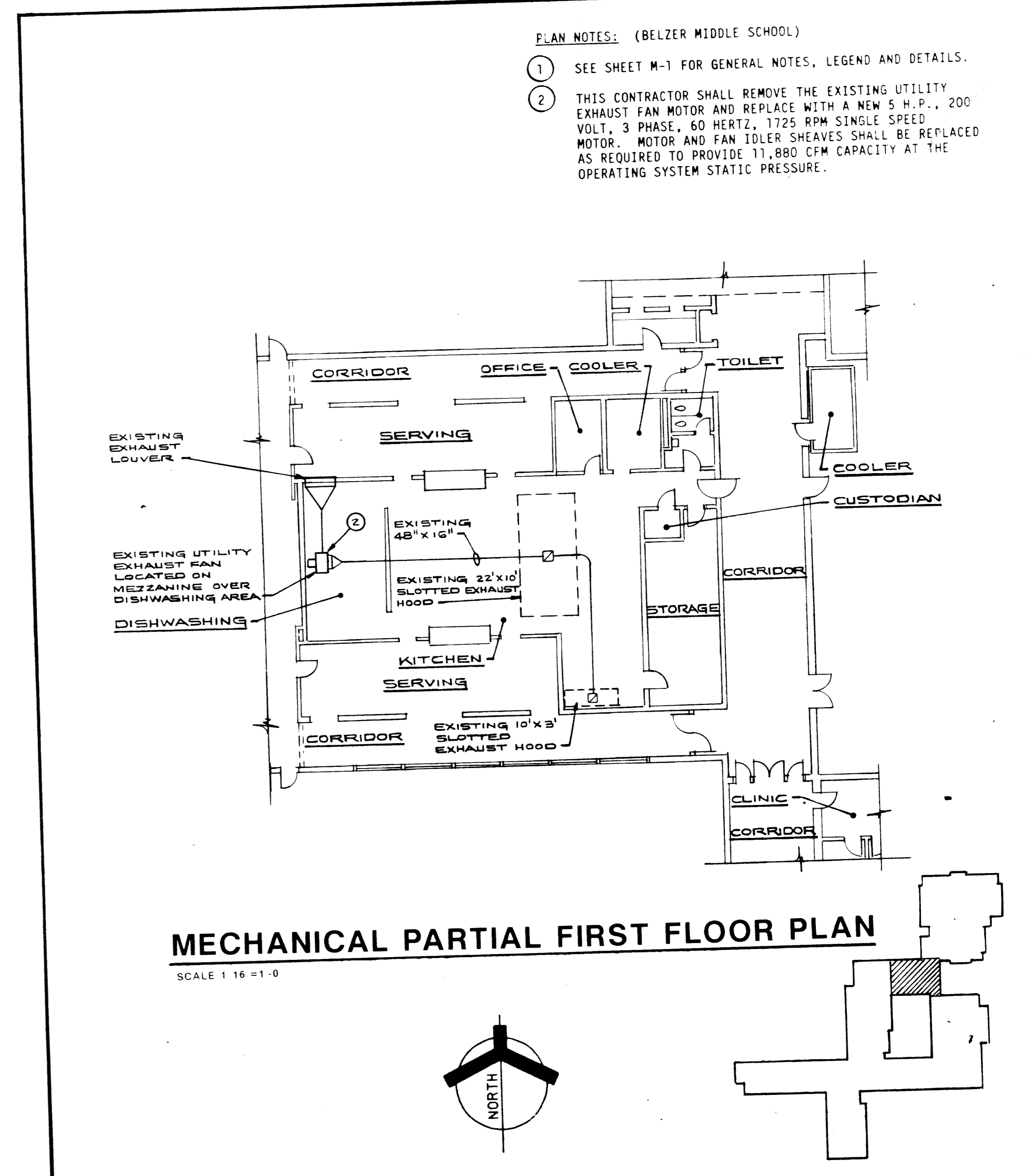
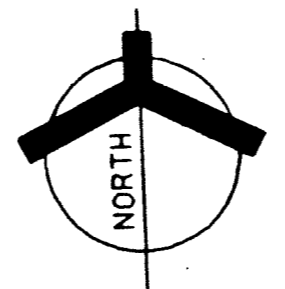
- PLAN NOTES:
- SEE SHEET M-1 FOR GENERAL NOTES, LEGEND AND DETAIL.
  - CONNECT NEW 6" W TO EXISTING 6" W.
  - EXISTING SEWER SHALL BE ABANDONED IN PLACE OUT OF SERVICE. REMOVE ANY PART OF EXISTING SEWER WHICH INTERFERES WITH NEW CONSTRUCTION.
  - CUT EXISTING 4" W AND CONNECT TO NEW 4" W. PLUG AND ABANDON EXISTING 4" W DOWNSTREAM FROM THIS POINT.
  - WHERE NEW PIPING IS RUN BELOW EXISTING FLOOR SLAB, WORK SHALL BE PERFORMED AS SHOWN IN "DETAIL SHOWING CUTS IN EXISTING FINISHED SURFACES" ON SHEET M-1.
  - CUT EXISTING 3" W AND CONNECT TO NEW 3" W. PLUG AND ABANDON EXISTING 3" W DOWNSTREAM FROM THIS POINT.
  - CUT EXISTING 2" W AND CONNECT TO NEW 2" W. PLUG AND ABANDON EXISTING 2" W DOWNSTREAM FROM THIS POINT.
  - AIR CONDITIONING UNITS #1 AND #2 SHALL BE MAGIC AIRE MODEL #48BX-4 HORIZONTAL DIRECT EXPANSION BLOWER COIL UNITS OR AN APPROVED EQUAL, HAVING 73.5 MBH TOTAL COOLING CAPACITY AT 1600 CFM DISCHARGE AND 40 DEGREE F. SUCTION TEMPERATURE. SUSPEND UNIT TIGHT AGAINST EXISTING CEILING AS REQUIRED. MOTOR DATA: 1/2 H.P., 115 VOLT, 1 PHASE, 60 HERTZ.
  - AIR COOLED CONDENSING UNITS SHALL BE TRANE MODEL #TA048A00A, OR AN APPROVED EQUAL, HAVING 48 MBH NOMINAL COOLING CAPACITY. FAN MOTOR DATA: 1 1/2 H.P., 460 VOLT, 1 PHASE, 60 HERTZ. COMPRESSOR MOTOR DATA: 5-2 KW., 460 VOLT, 3 PHASE, 60 HERTZ. MOUNT AIR COOLED CONDENSING UNITS ON STEEL SUPPORTS - SEE DETAIL ON THIS SHEET.
  - REFRIGERANT PIPING SHALL BE RUN ABOVE EXISTING LAY-IN CEILING. THE EXISTING CEILING WILL BE TAKEN DOWN BY THE GENERAL CONTRACTOR, THIS CONTRACTOR SHALL RUN THE PIPING AND THE GENERAL CONTRACTOR WILL REPLACE THE CEILING.
  - REMOVE ALL EXISTING PLUMBING FIXTURES AND FLOOR DRAINS IN THIS AREA. REMOVE ALL WASTE, VENT AND WATER PIPING TO A POINT BELOW FINISHED FLOOR, WALL AND CEILING SURFACES, THEN PLUG AND CAP.
  - REMOVE ALL EXISTING EXHAUST GRILLES AND EXHAUST DUCTWORK IN THIS AREA.
  - DISCONNECT EXISTING HORIZONTAL DUCT FROM EXISTING DUCT RISER AND CAP DUCT RISER AIRTIGHT.
  - REMOVE EXISTING THERMOSTAT.
  - REMOVE EXISTING CONVECTOR. REMOVE EXISTING HEATING SYSTEM SUPPLY AND RETURN BRANCH PIPING, SERVING THE EXISTING CONVECTOR, BACK TO THE POINT OF CONNECTION TO THE PIPING MAINS AND PLUG.
  - THE EXISTING CEILING WILL BE REMOVED AND REPLACED BY THE GENERAL CONTRACTOR IN THIS AREA. THIS CONTRACTOR SHALL REMOVE AND RELOCATE ALL EXISTING EXHAUST GRILLES AND SUPPLY GRILLES INTO THE NEW CEILING AS REQUIRED. MODIFY EXISTING EXHAUST AND SUPPLY DUCT AS REQUIRED TO FACILITATE THE GRILLE AND DIFFUSER RELOCATION.



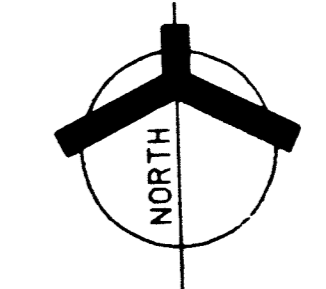
**MECHANICAL PARTIAL FIRST FLOOR PLAN**  
SCALE 1/8" = 1'-0"



**MECHANICAL PARTIAL GROUND FLOOR PLAN**  
SCALE 1/8" = 1'-0"



**MECHANICAL PARTIAL FIRST FLOOR PLAN**  
SCALE 1/16" = 1'-0"



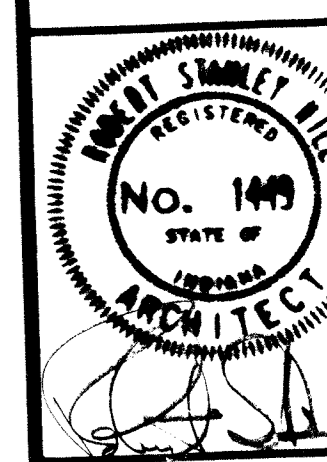
KEY PLAN  
NO SCALE

BELZER MIDDLE SCHOOL

CRAIG MIDDLE SCHOOL

CRAIG AND BELZER

EVERETT ED DROW Company  
Architects & Engineers  
941 NORTH MERIDIAN STREET  
INDIANAPOLIS, INDIANA 46204



PROJECT  
07-50  
DATE  
MAR. 21, 1988  
REVISED

NO. M-1  
OF 13