

BUILDING DATA SUMMARY

BUILDING A
 BUILDING USE: LIBRARY/ CLASSROOM
 TYPE: B+R
 OCCUPANCY: B+R
 AREA: 55,846 SQ. FT.
 # OF STORES: 1

BUILDING B
 BUILDING USE: CLASSROOM/ LAB
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 27,195 SQ. FT.
 # OF STORES: 1

BUILDING C
 BUILDING USE: CLASSROOM
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 22,295 SQ. FT.
 # OF STORES: 1

BUILDING D
 BUILDING USE: ADMINISTRATION/ FOOD SERVICE
 TYPE: V+H+R
 OCCUPANCY: B+L
 AREA: 16,095 SQ. FT.
 # OF STORES: 2

BUILDING E
 BUILDING USE: OFFICE/ CLASSROOM
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 14,800 SQ. FT.
 # OF STORES: 1

BUILDING E
 BUILDING USE: TOILET
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 1,035 SQ. FT.
 # OF STORES: 1

BUILDING F
 BUILDING USE: LOCKER ROOM/ CLASSROOM
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 14,400 SQ. FT.
 # OF STORES: 2

BUILDING G
 BUILDING USE: MULTI-PURPOSE/ GYMNASIUM
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 16,505 SQ. FT.
 # OF STORES: 1

BUILDING H
 BUILDING USE: CLASSROOM
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 19,241 SQ. FT.
 # OF STORES: 1

BUILDING I
 BUILDING USE: CLASSROOM
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 19,241 SQ. FT.
 # OF STORES: 1

BUILDING J
 BUILDING USE: TOILET
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 735 SQ. FT.
 # OF STORES: 1

BUILDING K
 BUILDING USE: TOILET
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 735 SQ. FT.
 # OF STORES: 1

BUILDING L
 BUILDING USE: TOILET
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 735 SQ. FT.
 # OF STORES: 1

BUILDING M
 BUILDING USE: TOILET
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 735 SQ. FT.
 # OF STORES: 1

BUILDING U
 BUILDING USE: MECH. & STORAGE
 TYPE: V+H
 OCCUPANCY: B+L
 AREA: 1,035 SQ. FT.
 # OF STORES: 1

GENERAL NOTES:

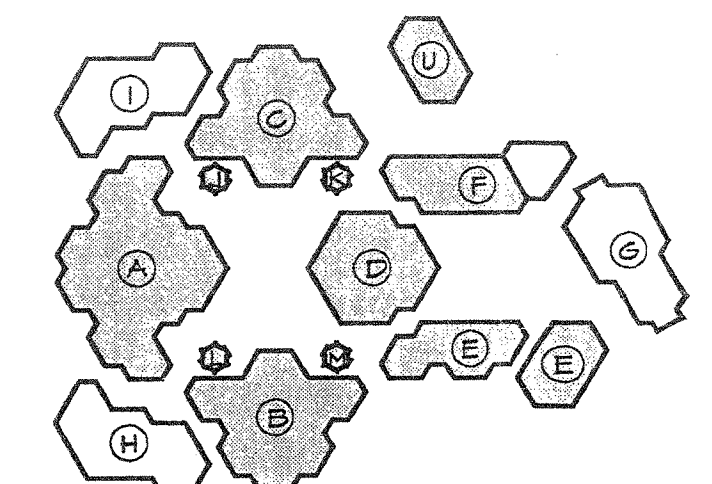
- CONSTRUCTION ACCESS TO THE PROJECT AREA SHALL BE LIMITED TO THE NORTHERLY PARKING ACCESS DRIVE OFF ESCOLAR STREET.
- CONTRACTOR STAGING AND PARKING SHALL BE LIMITED TO THE SPECIFIC AREAS NOTED ON THE REFERENCE SITE PLAN.
- CONTRACTOR SHALL INSTALL AND MAINTAIN 6'-0" HIGH TEMPORARY CONSTRUCTION FENCING AT THE PERIMETER OF THE PARKING / STAGING AREA AND AT THE PERIMETER OF THE PROJECT AREA TO SECURE THE AREA FROM UNAUTHORIZED ACCESS.
- BUILDINGS "G", "H", "I", AND THE WEIGHT ROOM AT BUILDING "F" WILL BE OCCUPIED BY IRVINE UNIFIED SCHOOL DISTRICT FOR SUMMER SCHOOL CLASSES BEGINNING JUNE 26, 2000 THROUGH AUGUST 4, 2000. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO MINIMIZE DISRUPTION OF UTILITY SERVICES TO OCCUPIED BUILDING SPACES DURING SCHOOL HOURS. SUMMER SCHOOL CLASSES BEGIN AT 8:00 AM AND END AT 1:00 PM.
- THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO SCHEDULE MATERIAL DELIVERIES TO AVOID INTERFERENCE WITH STUDENT ACCESS AND EGRESS FROM THE STUDENT PARKING AREA AT THE BEGINNING AND END OF THE SUMMER SCHOOL SCHEDULED CLASS TIMES.
- PERIMETER SITE ACCESS TO THE BUILDING ROOF AREAS FOR REMOVAL OF DEMOLITION DEBRIS AND MATERIAL LOADING SHALL BE SCHEDULED BY THE CONTRACTOR TO AVOID INTERFERENCE WITH SUMMER SCHOOL SCHEDULED CLASS TIMES. CONTRACTOR TO COORDINATE REQUIREMENTS FOR EQUIPMENT ACCESS WITH IRVINE UNIFIED SCHOOL DISTRICT.
- CONTRACTOR EQUIPMENT ACCESS TO INNER CAMPUS AREAS IS LIMITED DUE TO EXISTING OVERHEAD TRELLIS STRUCTURES AND DEPRESSED SEATING AND GATHERING AREAS.

AS BUILT

D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944
 JAN 30 1997

NOTE:
 CAMPUS SITE ACCESS
 HAS BEEN APPROVED BY
 DSA AT 04-101346
 DATED 11/3/99

KEY PLAN



Consultant's Seal

IRVINE HIGH SCHOOL
PHASE III - MODERNIZATION
REBID FOR CENTRAL UTILITY SYSTEM
UPGRADE
 4321 WALNUT AVENUE
 IRVINE, CA 92604-2251
 IRVINE UNIFIED SCHOOL DISTRICT

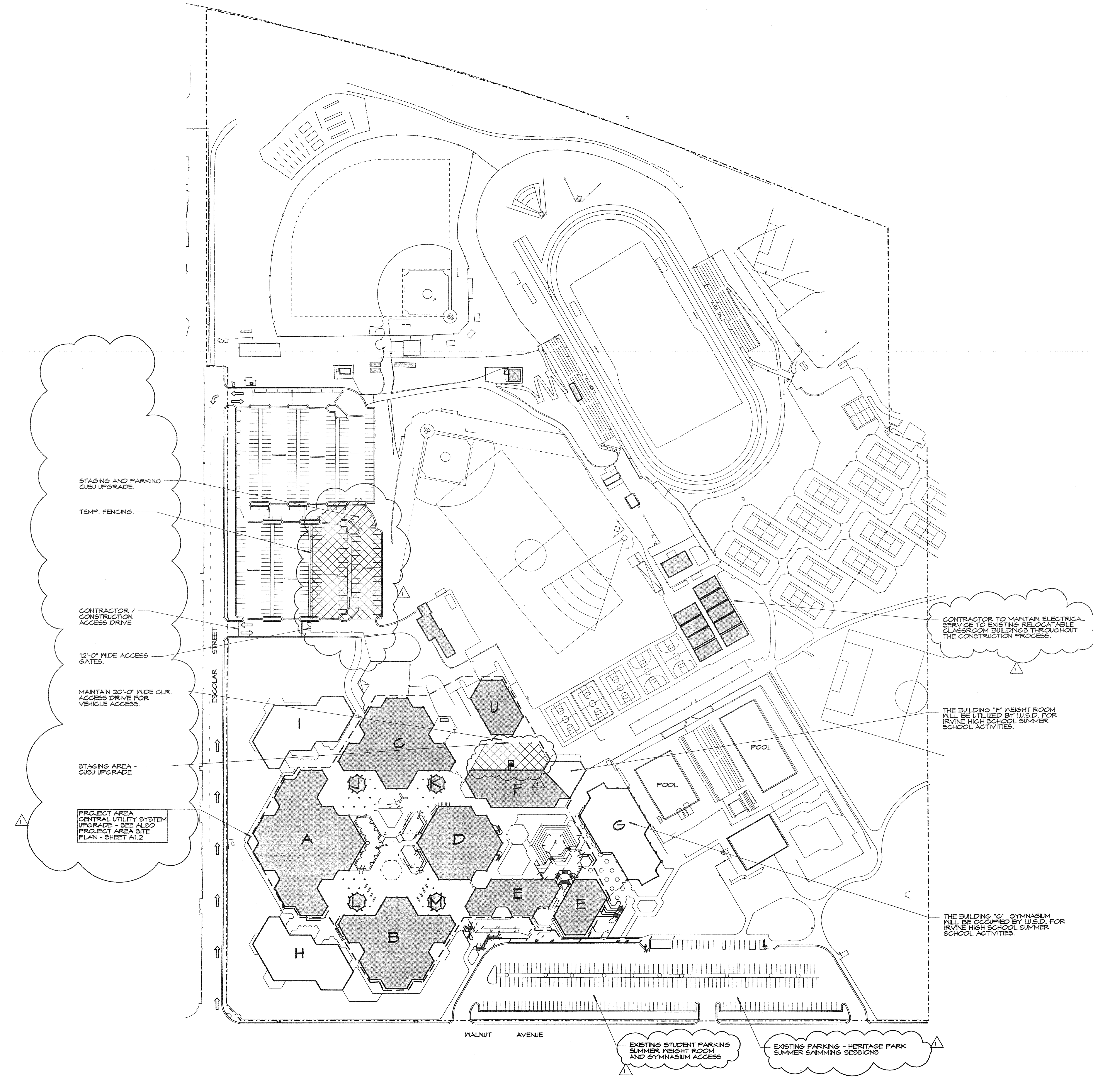
No.	Revisions/Submissions	Date
1	ADDENDUM #1	4/30/01

REFERENCE SITE PLAN

Architect's Seal 	Designed: TH Drawn: AN Checked: TH/AN Reviewed: TH Date: 04/10/01	Project No: 314005 - P3 Scale: AS NOTED Drawing No: A-1.1 Disc: 04/10/01
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REFERENCE SITE PLAN A17

1" = 80'-0"

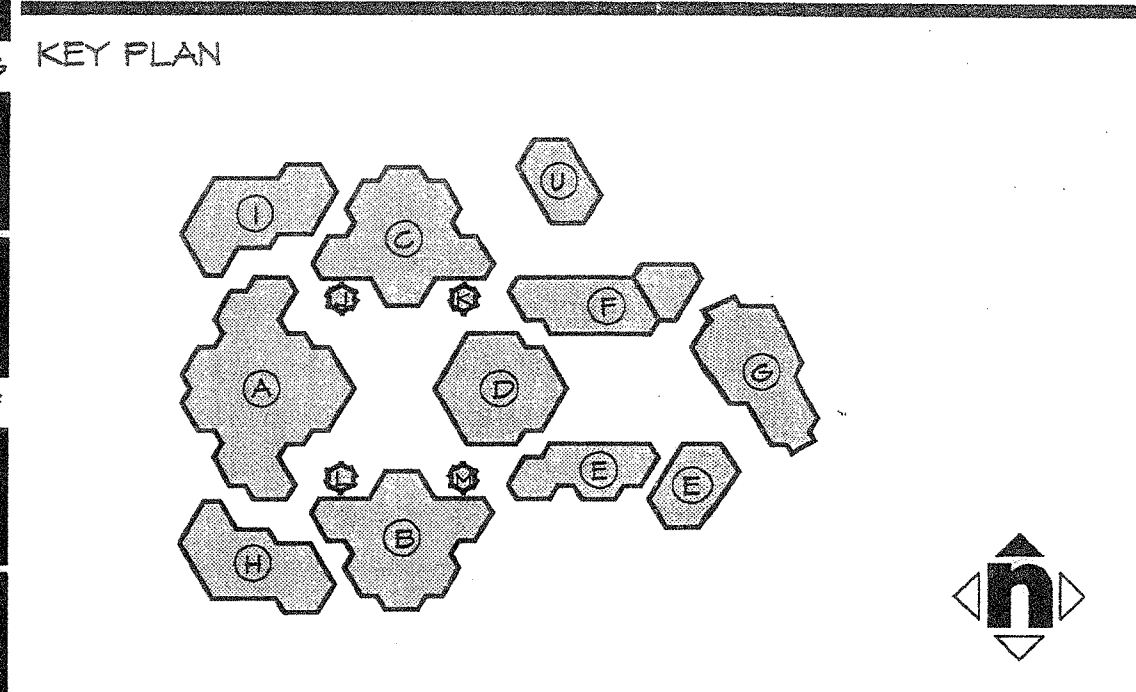


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SITE PLAN NOTES:

1. LINE OF 6'-0" HIGH CHAIN LINK TEMPORARY FENCINGS TO SECURE PROJECT AREA. SEE ALSO REFERENCE SITE PLAN SHEET L1.1
2. APPROXIMATE LOCATION OF EXISTING OVERHEAD TRELLIS OR CANOPY STRUCTURE. NOTE: EQUIPMENT ACCESS THROUGH INNER CAMPUS AREAS MAY BE RESTRICTED.
3. CONTRACTOR STAGING AND CONSTRUCTION YARD AREA.
4. EXISTING CHAIN LINK OR ORNAMENTAL METAL FENCINGS.
5. SCHEMATIC ROUTING - NEW UNDERGROUND PIPE RUN BETWEEN BUILDINGS. SEE ALSO ENLARGED PLANS AND MECHANICAL AND ELECTRICAL DRAWINGS. CONTRACTOR TO COORDINATE NEW PIPE ROUTINGS WITH EXISTING UNDERGROUND VAULTS, CLEAN OUTS AND EXISTING UTILITY SERVICE LINE INTERFERENCES.
6. SCHEMATIC ROUTING OF NEW OVERHEAD PIPE RUN ON EXISTING CANOPY ROOF. SEE ALSO MECHANICAL PLANS AND ELECTRICAL PLANS.
7. VERTICAL PIPE RUN THROUGH (E) STRUCTURE - SEE SECTION A11/A1.4
8. INFILL ROOF OPENING AND PROVIDE ROOF PATCH TO MATCH ADJACENT ROOF MEMBRANE AT REMOVED PIPE THROUGH ROOF TRANSITIONS. SEE SPEC.
9. REMOVE EXISTING EXTERIOR PIPE RUN TO BELOW FINISH WALK SURFACE. CAP PIPING BELOW GRADE AND PATCH CONCRETE WALK TO MATCH ADJACENT WALK. REMOVE EXISTING EXTERIOR PIPE CHASE INCLUDING PLYWOOD ENCLOSURE, PIPE SUPPORTS AND STRUCTURAL ANCHORS. PATCH AND REPAIR EXISTING CONCRETE WALL PANELS AT REMOVED STRUCTURAL ANCHOR POINTS TO MATCH EXISTING WALL FINISH.
10. EXISTING MASONRY WALL.
11. STUDENT ACCESS PATH OF TRAVEL. CONTRACTOR TO RESTRICT CONSTRUCTION ACTIVITY IN STUDENT OCCUPIED AREAS DURING SUMMER SCHOOL HOURS, MONDAY THRU FRIDAY 7:00 AM TO 1:00 PM. CONTRACTOR TO COORDINATE ACCESS REQUIREMENTS TO OCCUPIED STUDENT AREAS WITH IRVINE UNIFIED SCHOOL DISTRICT PROJECT COORDINATOR.
12. EXISTING DRINKING FOUNTAIN - ROUTE TEMPORARY FENCINGS TO MAINTAIN STUDENT ACCESS.
13. SCHEMATIC ROUTING - NEW ELECTRICAL AND ALARM SYSTEM CONDUITS - SEE ALSO ELECTRICAL PLANS. REMOVE EXISTING CONC. TO SLAB JOINT OR EDGE. REPLACE SLAB TO MATCH EXISTING ADJACENT FINISH WHERE OCCURS.
14. PIPE CHASE ENCLOSURE AT NEW ELECTRICAL AND ALARM SYSTEM CONDUIT RISER LOCATION - REFERENCE DETAIL F11/A-1.6 SIMILAR.

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 658544



Consultant's Seal

IRVINE HIGH SCHOOL
 PHASE III - MODERNIZATION
 REBID FOR CENTRAL UTILITY SYSTEM
 UPGRADE
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2239
 IRVINE UNIFIED SCHOOL DISTRICT

No.	Revisions/Submissions	Date
1	ADDENDUM #1	4/30/01

Drawing Title
PROJECT AREA SITE PLAN

Architect's Seal 	Designed TH	Project No. 3184005-F3
	Drawn ANU/LJ	Scale AS NOTED
	Checked TH/AN	Drawing No. A-1.2
	Reviewed TH	Date 04/10/01

ESCOLAR STREET

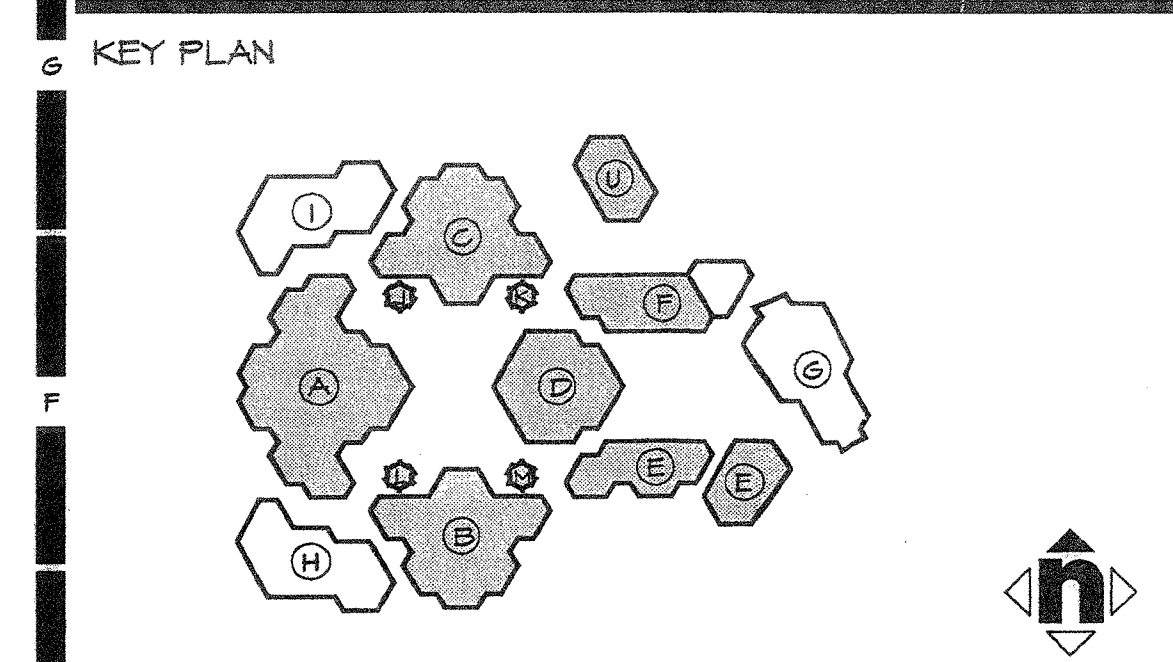
WALNUT AVENUE

PROJECT AREA SITE PLAN A17

1"=30'-0"

SITE PLAN NOTES:

1. REMOVE EXISTING CONCRETE SLAB TO CONTROL JOINT, SAWCUT LINE OR SLAB EDGE AS SHOWN. PROTECT IN PLACE ALL UTILITY VAULTS, CATCH BASIN INLETS, AREA LIGHTING AND CLEAN OUTS. REPLACE SLAB AT COMPLETION OF PIPING INSTALLATION, MATCH EXISTING SLAB THICKNESS, REINFORCING, CONTROL JOINTS, SCORE LINES AND COLOR. SEE ALSO DETAILS.
- DRIVE AREAS 6" REINFORCED CONCRETE SLAB IV/93 @ 18" O.C. EA. PAV OVER 12" AGGREGATE BASE
- WALK AREAS 4" REINFORCED CONCRETE WITH 6/8 X 10/10 W/F MIDSLAB OVER NATIVE.
2. SAWCUT EXISTING CONCRETE SLAB.
3. SCHEMATIC ROUTING OF NEW UNDERGROUND PIPE RUN - SEE ALSO MECHANICAL AND ELECTRICAL DRAWINGS. CONTRACTOR TO COORDINATE NEW PIPE ROUTING WITH EXISTING UNDERGROUND VAULTS, CLEAN OUTS, CATCH BASINS AND UTILITY SERVICE LINE INTERFERENCES.
4. REMOVE EXISTING TREE AND ROOT STRUCTURE.
5. REMOVE EXISTING GALVANIZED STEEL PIPE GUARDRAIL, FABRICATE AND INSTALL NEW GALVANIZED STEEL GUARDRAIL AT NEW CONCRETE DRIVE - MATCH (E).
6. EXISTING AREA LIGHTING - PROTECT IN PLACE.
7. EXISTING CATCH BASIN INLET OR UTILITY VAULT - PROTECT IN PLACE.
8. EXISTING CHAIN LINK OR ORNAMENTAL METAL FENCING TO REMAIN. PROTECT IN PLACE.
9. NEW PIPE CHASE ENCLOSURE - BUILDING 'C', SEE DETAIL A6/A1.6 & E6/A1.6
10. EXISTING PAD FOOTING 3'-0" SQ. X 28" DP.
11. EXISTING PAD FOOTING 5'-0" SQ. X 28" DP.
12. EXISTING PAD FOOTING 7'-0" SQ. X 28" DP.
13. NEW PIPE CHASE ENCLOSURE - BUILDING 'D', SEE DETAIL A6/A1.6 & E6/A1.6
14. EXISTING FLAG POLE AND FOOTING - PROTECT IN PLACE.
15. TEMPORARY FENCING - 6'-0" HIGH CHAIN LINK
16. EXISTING ABOVE GRADE ELECTRICAL PULL BOX - TO REMAIN.
17. EXISTING INTERIOR PIPE CHASE - BUILDING 'D', SEE ENLARGED PLAN K04/DOVA15.
18. NEW PIPE CHASE ENCLOSURE - BUILDING 'E' SEE DETAIL A11/E1.6 & 611/A1.6
19. NEW INTERIOR PIPE CHASE - BUILDING 'E' SEE ENLARGED PLAN D11/A-1.5
20. NEW INTERIOR PIPE CHASE - BUILDING 'B', SEE ENLARGED PLAN K11/A1.5
21. NEW PIPE CHASE ENCLOSURE - BUILDING 'A', 'B', & 'C' SM. SEE DETAIL A11/A1.6 & F11/A1.6
22. EXISTING RAISED PLANTER
23. EXISTING A.D.A. ACCESS RAMP.
24. EXISTING LANDSCAPE PLANTER - REPLACE FENCING, PLANT MATERIAL, AND IRRIGATION TO MATCH EXISTING AT COMPLETION OF THE PIPING INSTALLATION.
25. NEW 8'-0" HIGH CHAIN LINK ENCLOSURE W/RED WOOD SLATS.
26. 6'-0" X 8'-0" HIGH CHAIN LINK ACCESS GATES.
27. SAWCUT EXISTING WALL AT PIPE THRU WALL PENETRATION SEE BUILDING U ELEVATION A1.4.
28. PROVIDE 4" GRAVEL OVER 20 MIL. P.V.C. AT CHAIN LINK ENCLOSURE.
29. REROUTE IRRIGATION AT NEW CHAIN LINK ENCLOSURE.
30. REMOVE EXISTING LANDSCAPE AND IRRIGATION AT NEW CHAIN LINK ENCLOSURE. REVISE EXISTING IRRIGATION TO MAINTAIN COVERAGE AT REMAINING PLANTER AREAS.



Consultant's Seal

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944
 JAN 5 0 2302

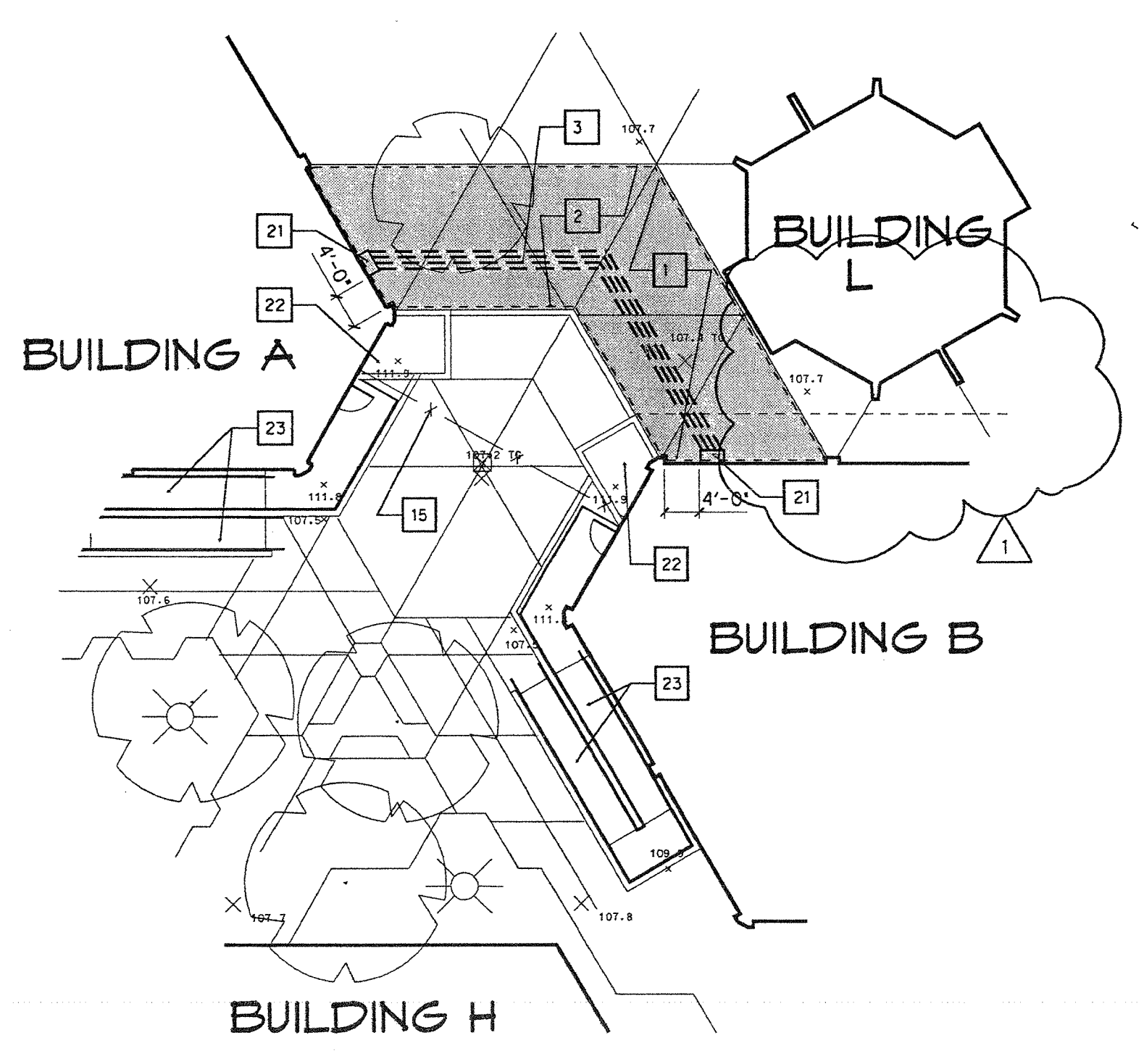
IRVINE HIGH SCHOOL
 PHASE III - MODERNIZATION
 REBID FOR CENTRAL UTILITY SYSTEM
 UPGRADE
 4921 WALNUT AVENUE
 IRVINE, CA 92604-2239
 IRVINE UNIFIED SCHOOL DISTRICT

No.	Revisions/Submissions	Date
▲	ADDENDUM #1	4/30/01

Drawing Title
ENLARGED SITE PLANS - PROJECT AREAS

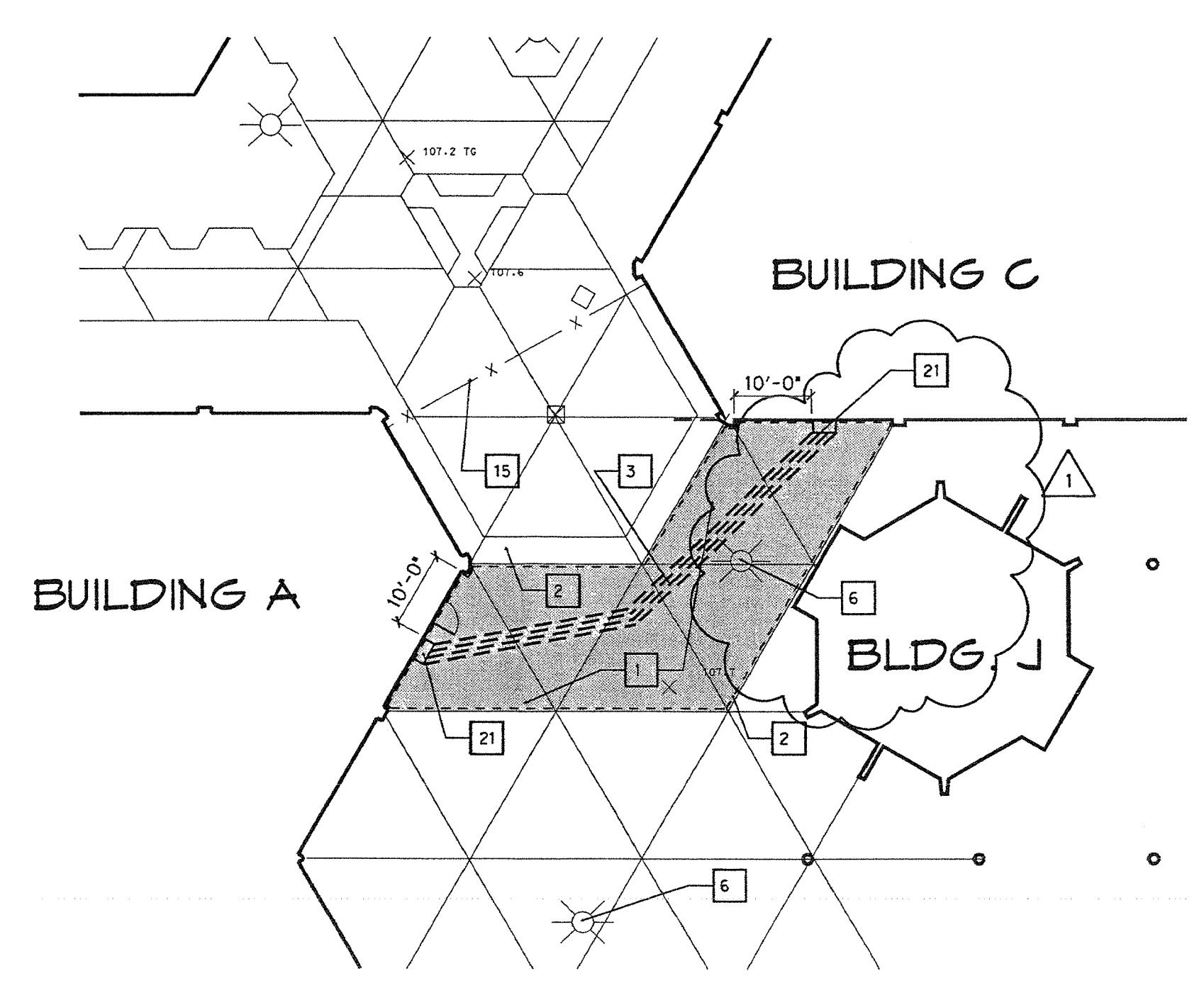
Architect's Seal

Designed TH	Project No. 3184005 - P3
Drawn ANK/RL	Scale AS NOTED
Checked TH/AN	Drawing No. A-1.3
Reviewed TH	Date 04/10/01



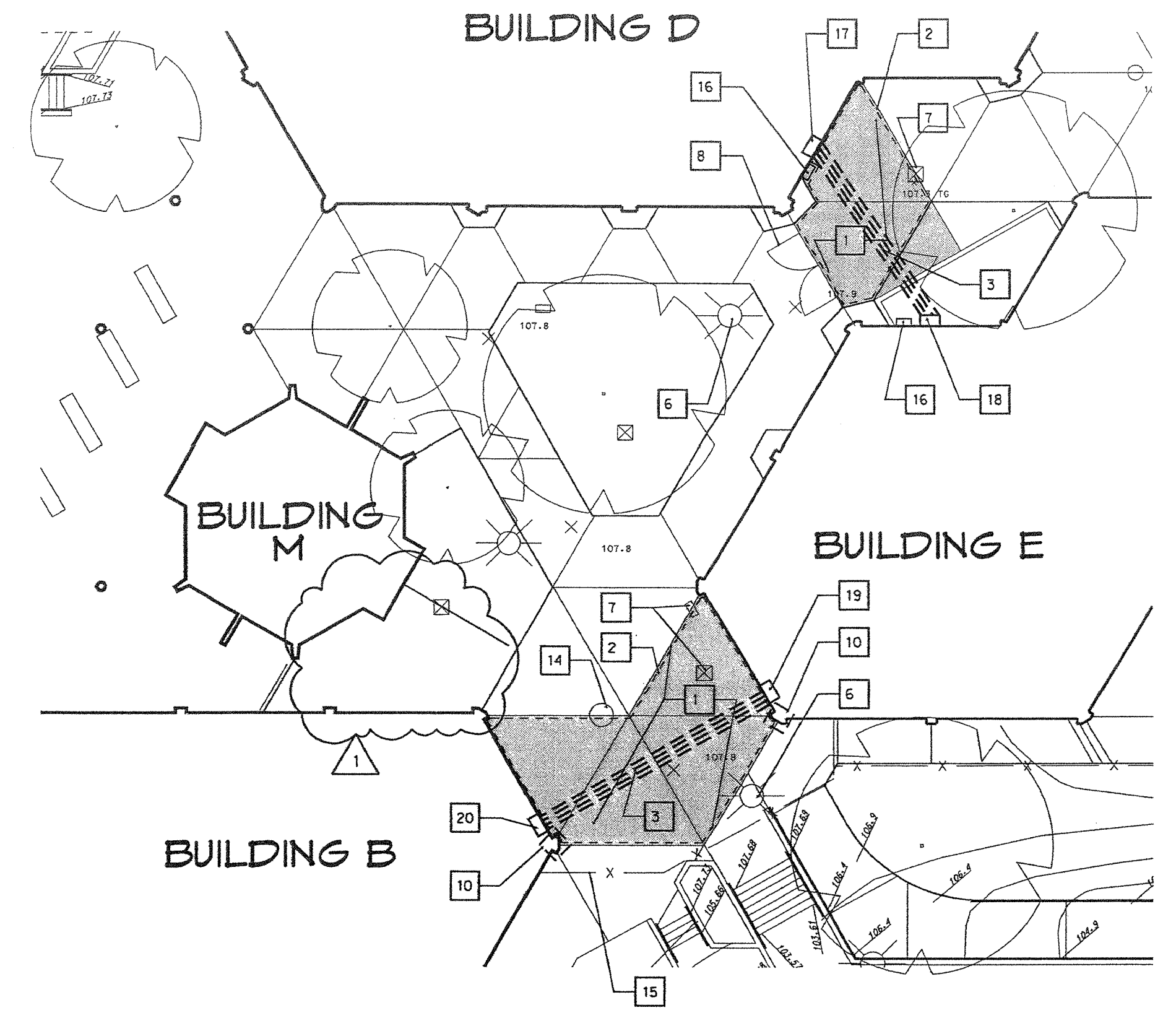
NOTE:
 EXISTING UNDERGROUND UTILITIES MAY BE ENCOUNTERED IN THE PATH WAY OF THE UTILITY INSTALLATION. CONTRACTOR TO EXERCISE EXTREME CAUTION WHILE TRENCHING FOR NEW PIPE AND CONDUIT INSTALLATION.
 CONTRACTOR TO COORDINATE ROUTING OF NEW UTILITY SYSTEM INSTALLATION WITH EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO REPAIR DAMAGE TO EXISTING UTILITY SYSTEMS RESULTING FROM TRENCHING OR EXCAVATION WORK.

SITE PLAN AREA D L6
 1/16"=1'-0"



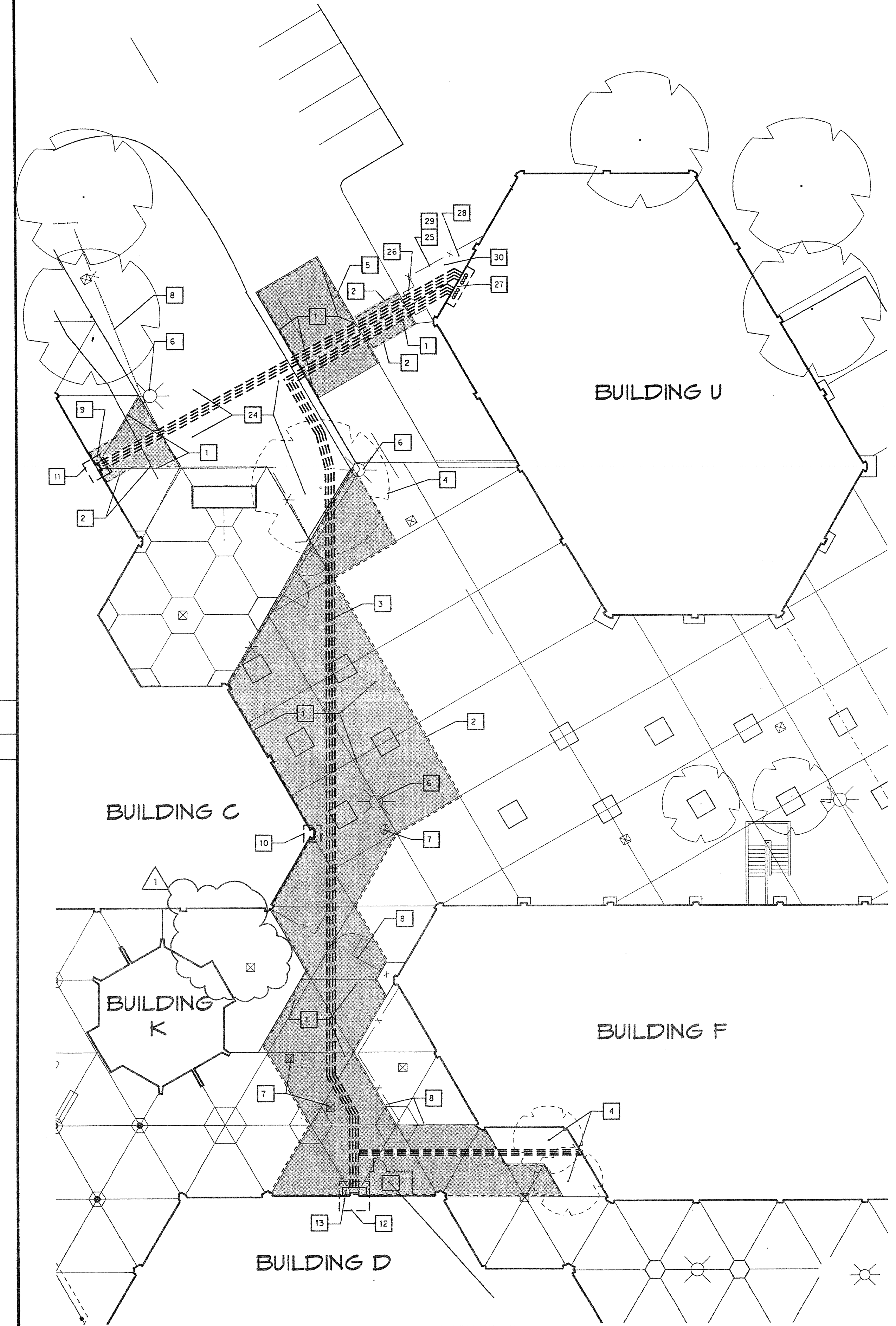
NOTE:
 EXISTING UNDERGROUND UTILITIES MAY BE ENCOUNTERED IN THE PATH WAY OF THE UTILITY INSTALLATION. CONTRACTOR TO EXERCISE EXTREME CAUTION WHILE TRENCHING FOR NEW PIPE AND CONDUIT INSTALLATION.
 CONTRACTOR TO COORDINATE ROUTING OF NEW UTILITY SYSTEM INSTALLATION WITH EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO REPAIR DAMAGE TO EXISTING UTILITY SYSTEMS RESULTING FROM TRENCHING OR EXCAVATION WORK.

SITE PLAN AREA B L11
 1/16"=1'-0"



NOTE:
 EXISTING UNDERGROUND UTILITIES MAY BE ENCOUNTERED IN THE PATH WAY OF THE UTILITY INSTALLATION. CONTRACTOR TO EXERCISE EXTREME CAUTION WHILE TRENCHING FOR NEW PIPE AND CONDUIT INSTALLATION.
 CONTRACTOR TO COORDINATE ROUTING OF NEW UTILITY SYSTEM INSTALLATION WITH EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO REPAIR DAMAGE TO EXISTING UTILITY SYSTEMS RESULTING FROM TRENCHING OR EXCAVATION WORK.

SITE PLAN AREA C A11
 1/16"=1'-0"



NOTE:
 EXISTING UNDERGROUND UTILITIES MAY BE ENCOUNTERED IN THE PATH WAY OF THE UTILITY INSTALLATION. CONTRACTOR TO EXERCISE EXTREME CAUTION WHILE TRENCHING FOR NEW PIPE AND CONDUIT INSTALLATION.
 CONTRACTOR TO COORDINATE ROUTING OF NEW UTILITY SYSTEM INSTALLATION WITH EXISTING UNDERGROUND UTILITIES. CONTRACTOR TO REPAIR DAMAGE TO EXISTING UTILITY SYSTEMS RESULTING FROM TRENCHING OR EXCAVATION WORK.

SITE PLAN AREA A A17
 1/16"=1'-0"

4/30/01
 LEVELS ON: 1-60.68
 J:\dgn\3184005\csm\sheeta2.dgn
 1-11-01-10-20-25-30-35-40-45-50-55-60
 1-11-01-10-20-25-30-35-40-45-50-55-60
 1-11-01-10-20-25-30-35-40-45-50-55-60
 1-11-01-10-20-25-30-35-40-45-50-55-60

CONCRETE

- ALL PHASES OF WORK PERTAINING TO THE CONCRETE CONSTRUCTION SHALL CONFORM TO TITLE 24, PART 2, CHAPTER 19A.
- SCHEDULE OF STRUCTURAL CONCRETE 28 DAY STRENGTHS AND TYPES:

LOCATION IN STRUCTURE	STRENGTH	TYPE
CONCRETE WALLS, SLABS AND FOUNDATION	2500 PSI	150 PCF
NON-STRUCTURAL CONCRETE	3000 PSI	150 PCF

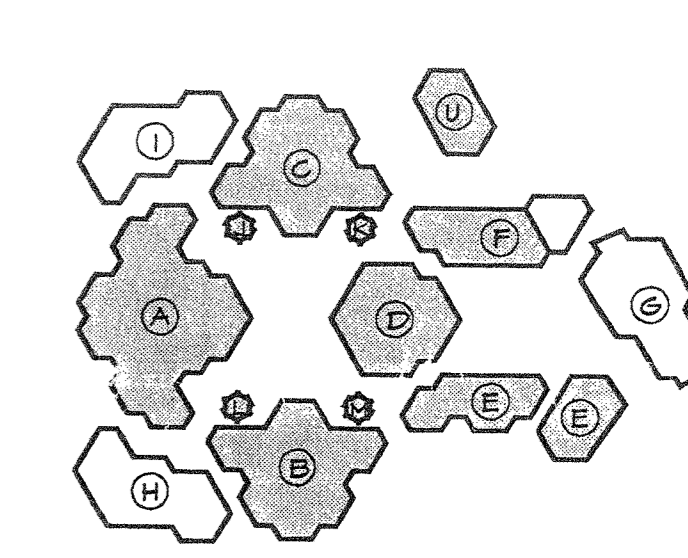
 SLAB ON GRADE CONCRETE IS BASED ON 4" ± 2500 PSI. THEREFORE, BATCH PLANT INSPECTION OF CONCRETE TEST OF CEMENT AND PLACEMENT INSPECTION OF CONCRETE FROM SLAB ON GRADE MAY BE WAIVED.
- PORTLAND CEMENT SHALL CONFORM TO A.S.T.M. C-150, TYPE I OR TYPE II, LOW ALKALI, CEMENT FOR CONCRETE IN CONTACT WITH THE ONSITE SOIL SHALL BE TYPE II.
- AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF A.S.T.M. C-33 AND PROJECT SPECIFICATIONS. MAXIMUM AGGREGATE SIZE SHALL BE 1 1/4". AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO A.S.T.M. C-330 AND PROJECT SPECIFICATION.
- FORMS FOR CONCRETE SHALL BE LAID OUT AND CONSTRUCTED TO PROVIDE THE SPECIFIED CAMBERS SHOWN ON THE DRAWINGS.
- PLACEMENT OF CONCRETE SHALL CONFORM TO A.C.I. STANDARD 304, TITLE 24, PART 2, SECTION 1905A AND CONTRACT DOCUMENTS.
- SANDBLAST ALL CONCRETE SURFACES AGAINST WHICH CONCRETE IS TO BE PLACED.
- DRYPACK UNDER BASEPLATES, SILL PLATES AND WHERE OTHERWISE NOTED ON DRAWINGS SHALL BE CONSIST OF 1 PART PORTLAND CEMENT AND 2 1/2 PARTS OF FINE AGGREGATE CONFORMING TO A.S.T.M. C-33 WITH ENOUGH WATER TO FORM A BALL WHEN SQUEEZED IN THE HAND. THE SPACE BETWEEN TWO SURFACES REQUIRING DRYPACK SHALL BE PACKED WITH THE DRYPACK MATERIAL BY TAMPING OR RAMMING WITH A BAR OR ROD UNTIL THE VOIDS ARE COMPLETELY FILLED.
- CONCRETE MIXING OPERATION, ETC., SHALL CONFORM TO C-94.
- THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT PLACED IN CAST-IN-PLACE CONCRETE:

A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....	3"
B. CONCRETE EXPOSED TO EARTH OR WEATHER: #5 BAR, #31 OR #31 WIRE, AND SMALLER.....	2"
#5 BAR, #31 OR #31 WIRE, AND SMALLER.....	1 1/2"
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS AND JOISTS: #14 AND #18 BARS.....	1 1/2"
#11 BAR AND SMALLER.....	1"
BEAMS, COLUMNS AND WALLS: PRIMARY REINFORCEMENT, TIES, AND STIRRUPS, AND SPIRALS: #3 THROUGH #11.....	1 1/2"
#14 AND #18 BARS.....	2"
- CONCRETE SHALL NOT BE PLACED UNTIL THE FORMS AND REINFORCEMENT HAVE BEEN INSPECTED. ALL PREPARATIONS FOR THE PLACEMENT HAVE BEEN COMPLETED AND THE PREPARATIONS HAVE BEEN CHECKED BY THE PROJECT INSPECTOR. ALL SUBJECT TO THE OBSERVATION OF THE ARCHITECT OR THE STRUCTURAL ENGINEER.
- PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CURING IN CONCRETE IS NOT PERMITTED EXCEPT AS SHOWN. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS.
- ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- PROJECTING CORNERS OF BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4" INCH CHAMFER, UNLESS OTHERWISE NOTED ON ARCHITECTURAL DRAWINGS.
- CURING COMPOUNDS USED ON CONCRETE TO RECEIVE A FINISH SHALL BE APPROVED BY THE FINISH APPLICATOR BEFORE USE.
- REFER TO ARCHITECTURAL DRAWINGS FOR MOULDS, GROOVES, ORNAMENTS, CLIPS OR GROUNDS REQUIRED TO BE CAST IN CONCRETE.
- ALL CONSTRUCTION JOINTS, PER TYPICAL DETAILS, SHALL BE LOCATED BY THE GENERAL CONTRACTOR WITH REVIEW AND APPROVAL OF THE ARCHITECT AND THE STRUCTURAL ENGINEER.
- THE SURFACES OF ALL HORIZONTAL CONSTRUCTION JOINTS SHALL BE CLEANED AND ROUGHENED BY REMOVING THE ENTIRE SURFACE AND EXPOSING CLEAN AGGREGATE SOLIDLY EMBEDDED IN MORTAR MATRIX.

AS BUILT

D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944

KEY PLAN



Consultant's Seal

IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 04 102911
 DATE 5/2/01

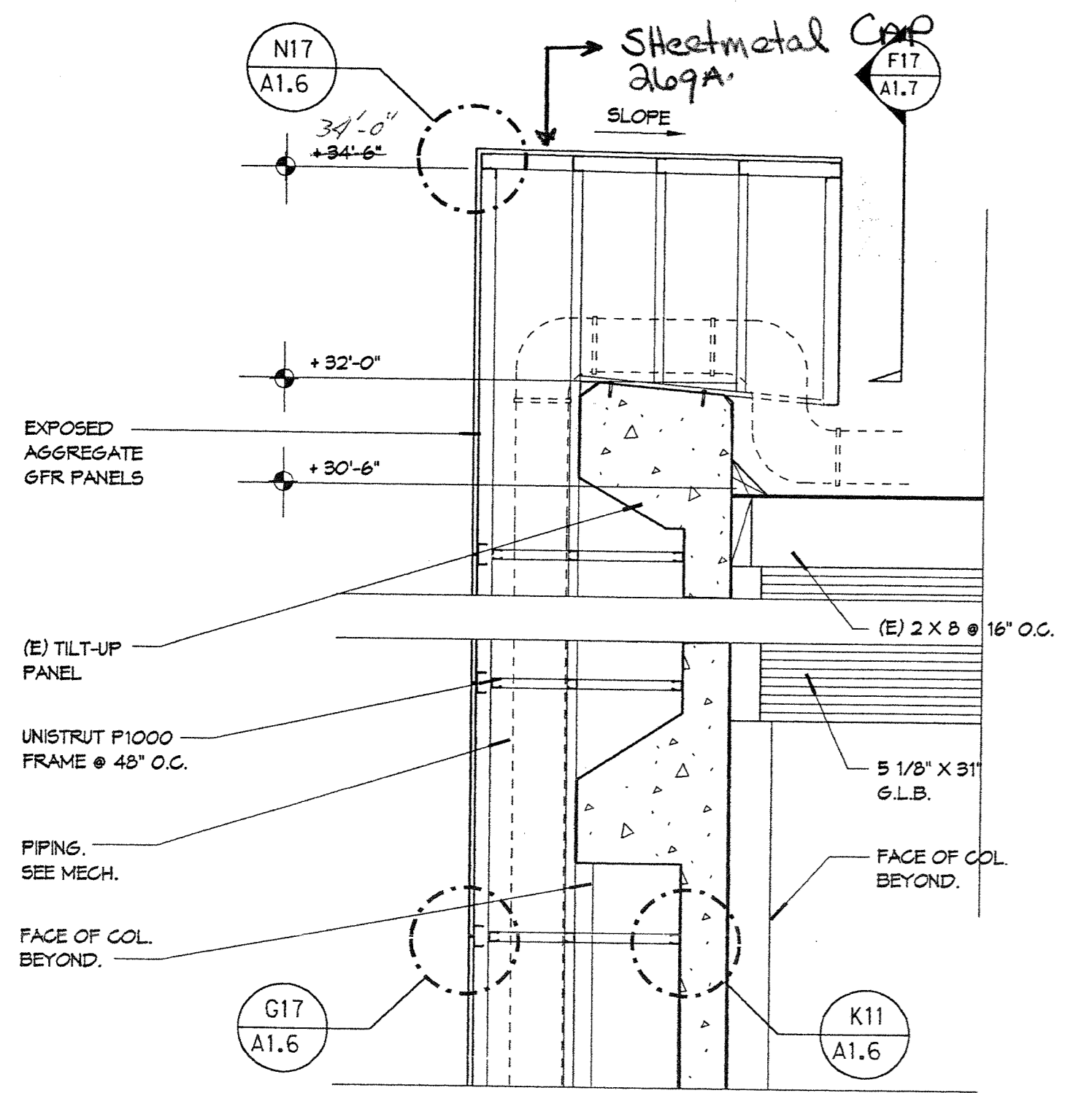
IRVINE HIGH SCHOOL
 PHASE III - MODERNIZATION
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 IRVINE UNIFIED SCHOOL DISTRICT

No.	Revisions/Submissions	Date

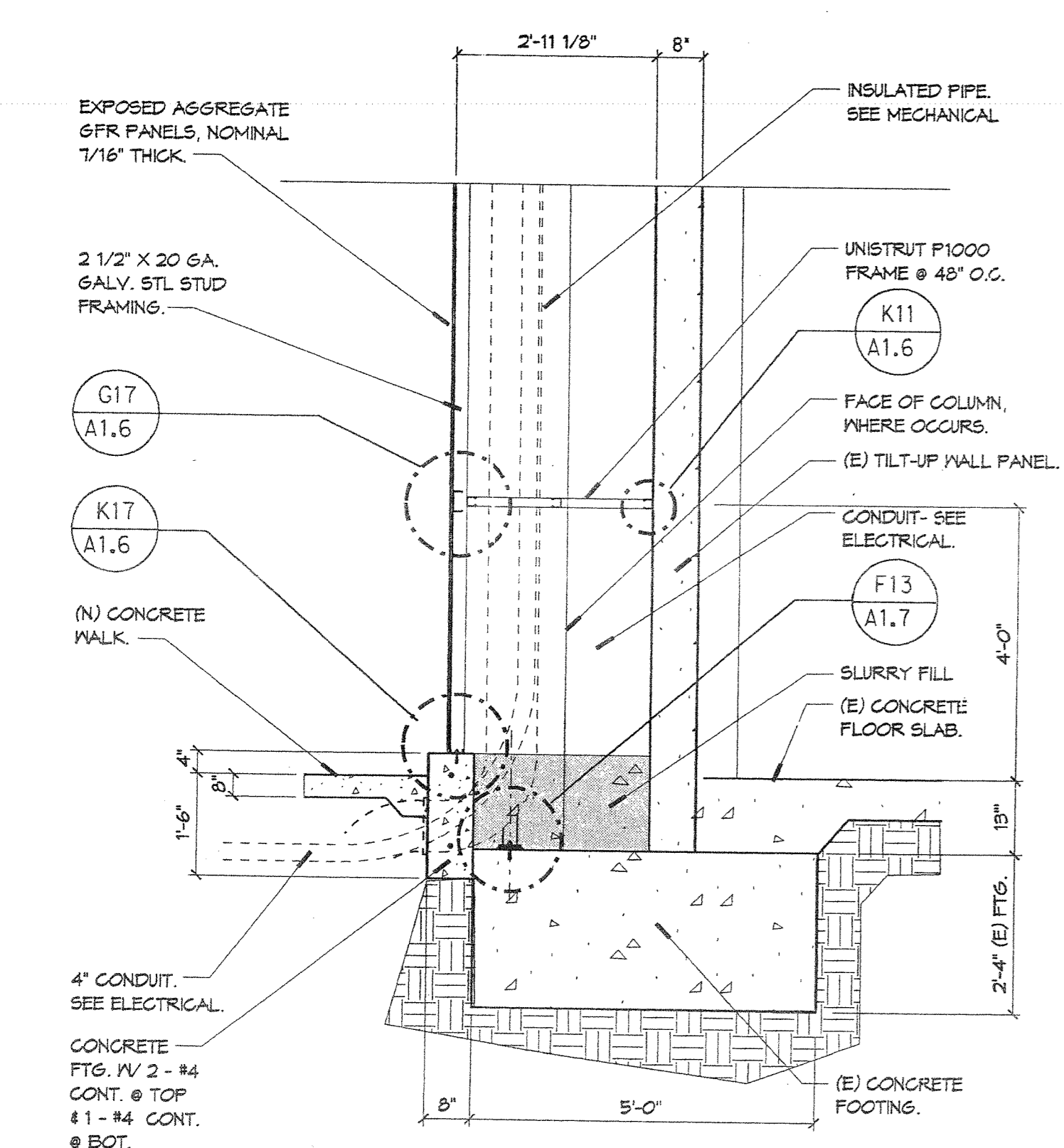
EXTERIOR ELEVATIONS & DETAILS

Architect's Seal
 Designed TH
 Drawn AN/RJ
 Checked TH/AN
 Reviewed TH
 Date 04/10/01

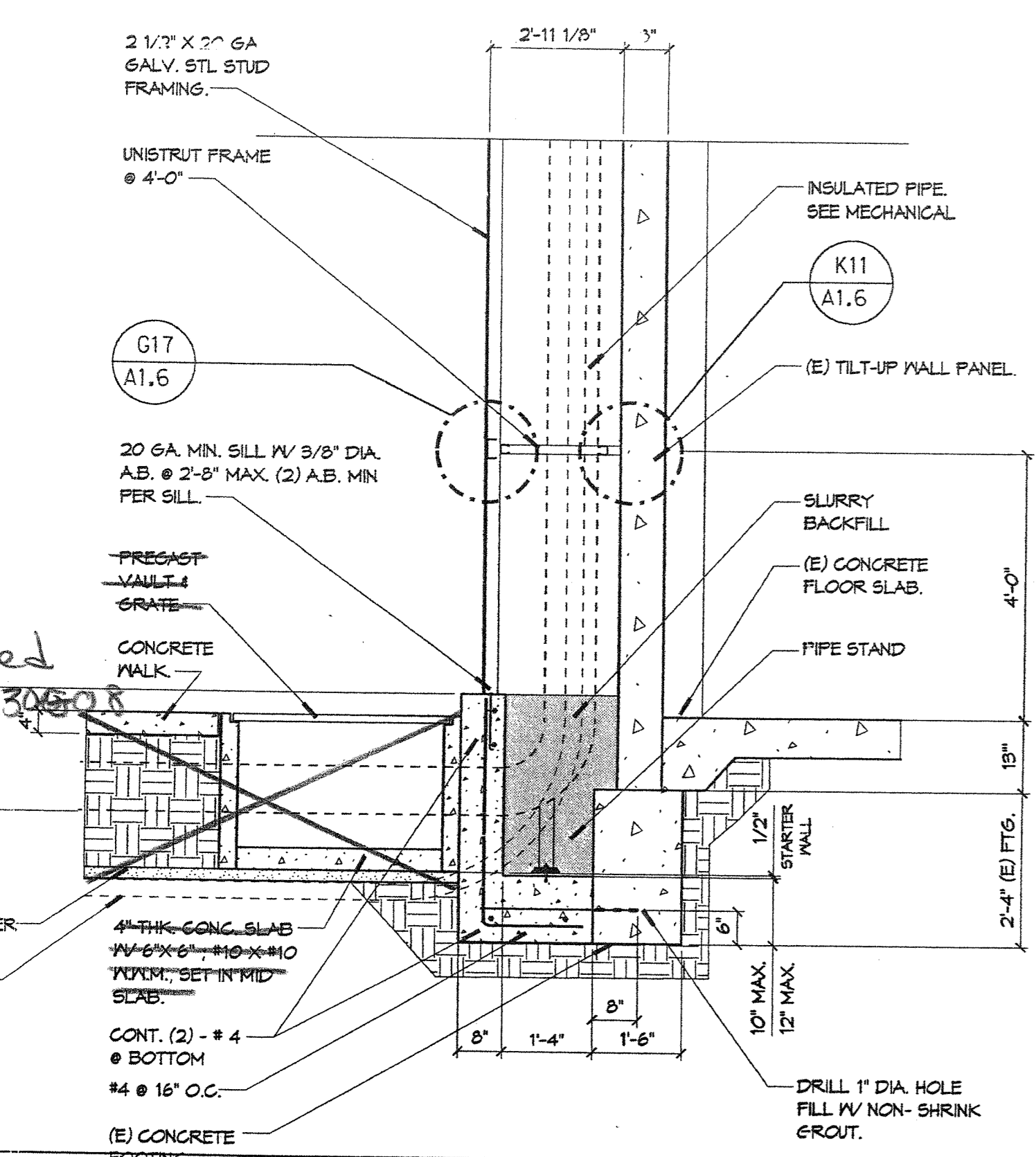
Project No. 318-009-PS
 Scale
 Drawing No. A-1.4



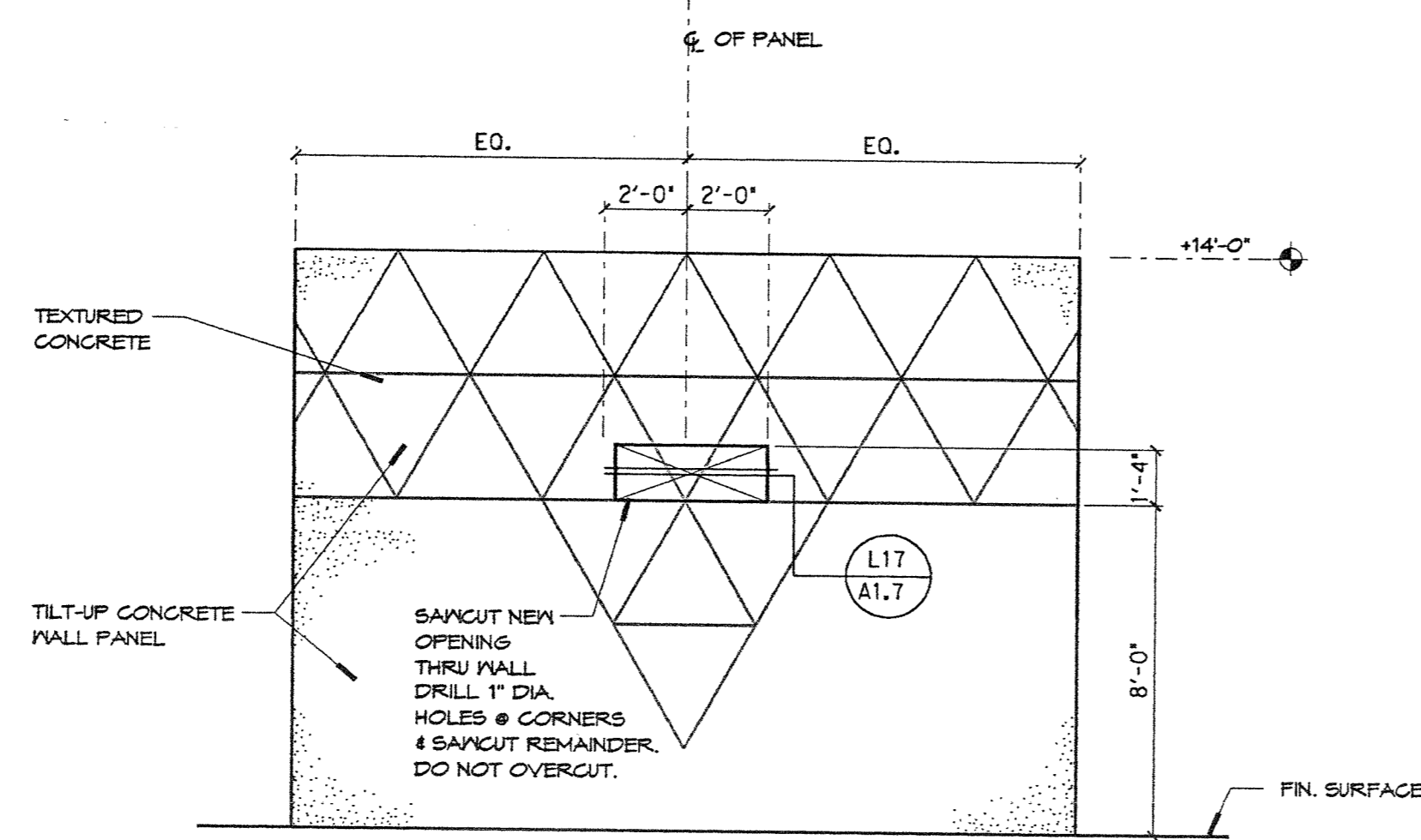
BUILDING "D" - PIPE RUN @ PARAPET L5
 BUILDING "C" SIMILAR 3/4" = 1'-0"



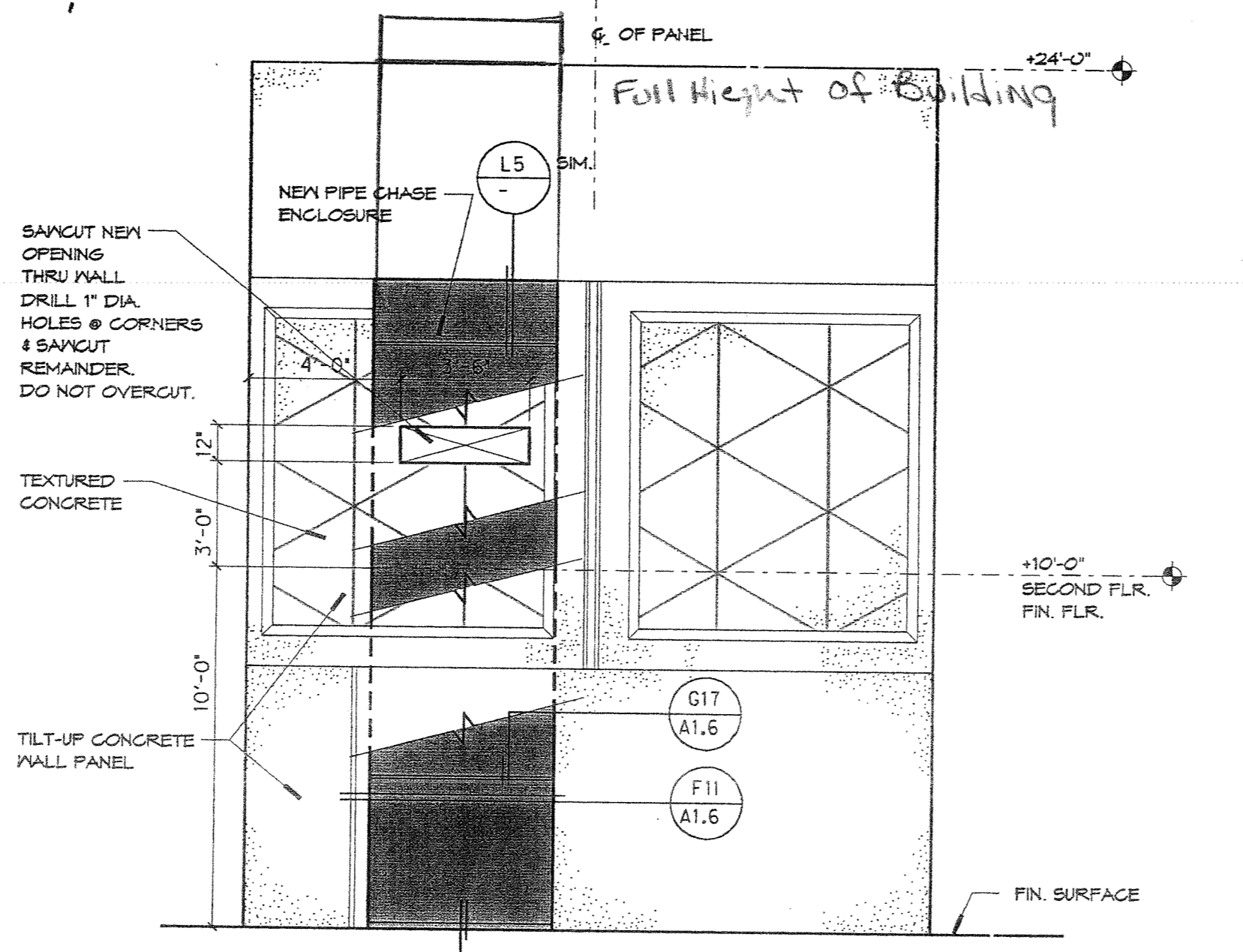
BUILDING "D" - VERTICAL PIPE RUN F5
 3/4" = 1'-0"



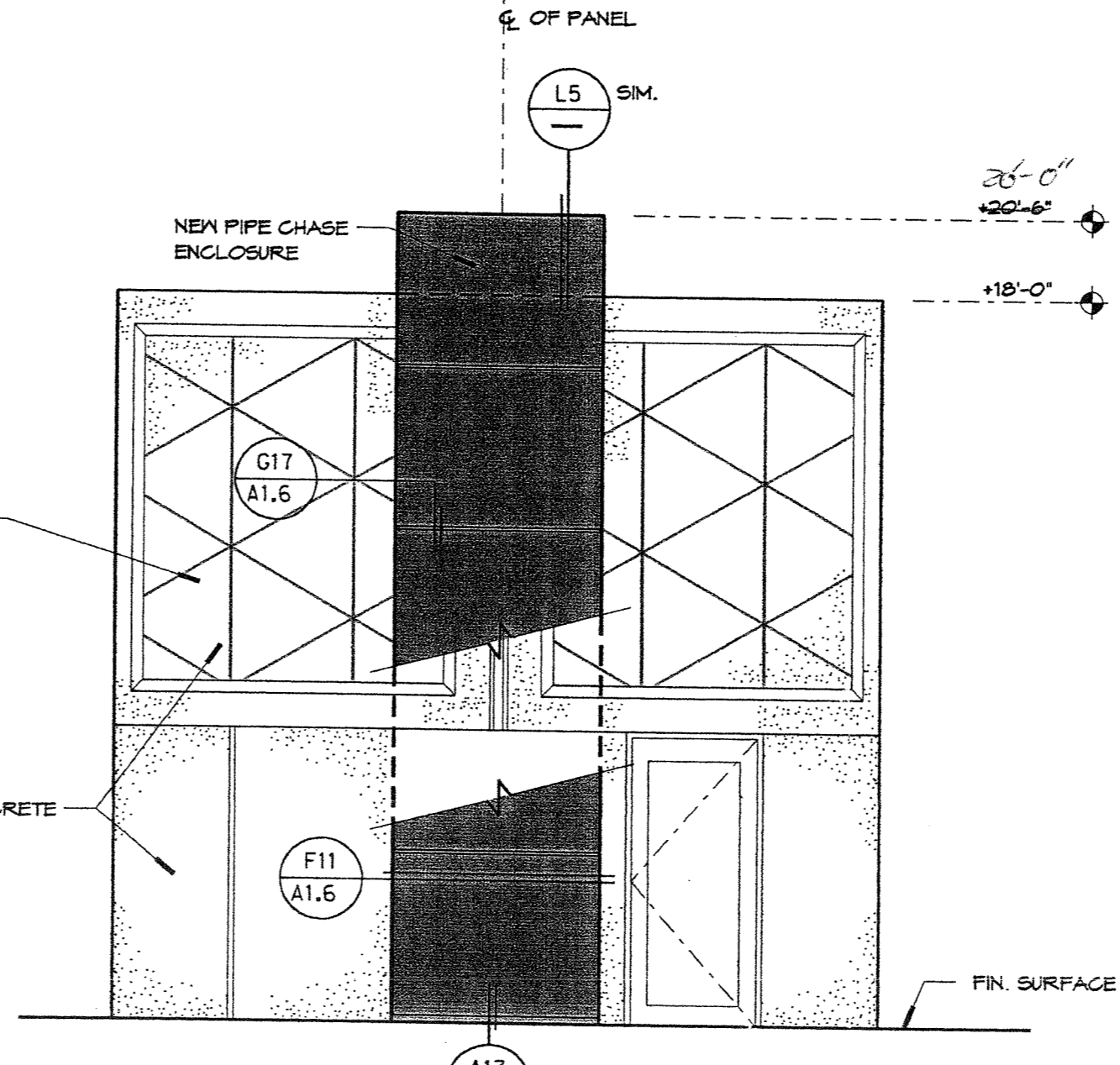
INTERIOR ROUTING - PIPE RUN A5
 BUILDING "B" TO "E" - DIRECT BURY 3/4" = 1'-0"



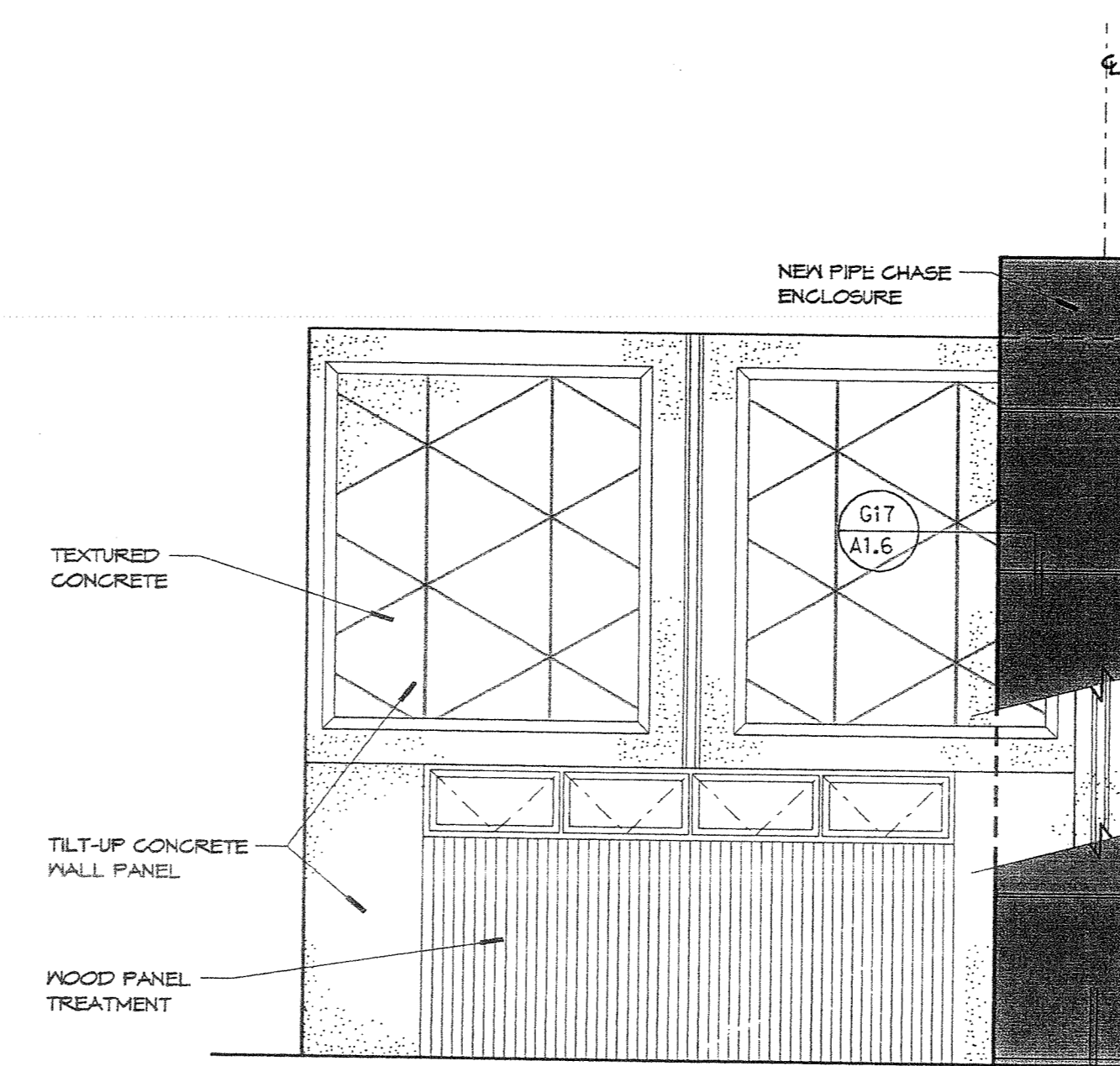
BUILDING U - WALL PANEL ELEVATION
 REFER TO DETAIL L17/A1.7 FOR REINFORCING REQUIREMENTS AT SAWCUT OPENING



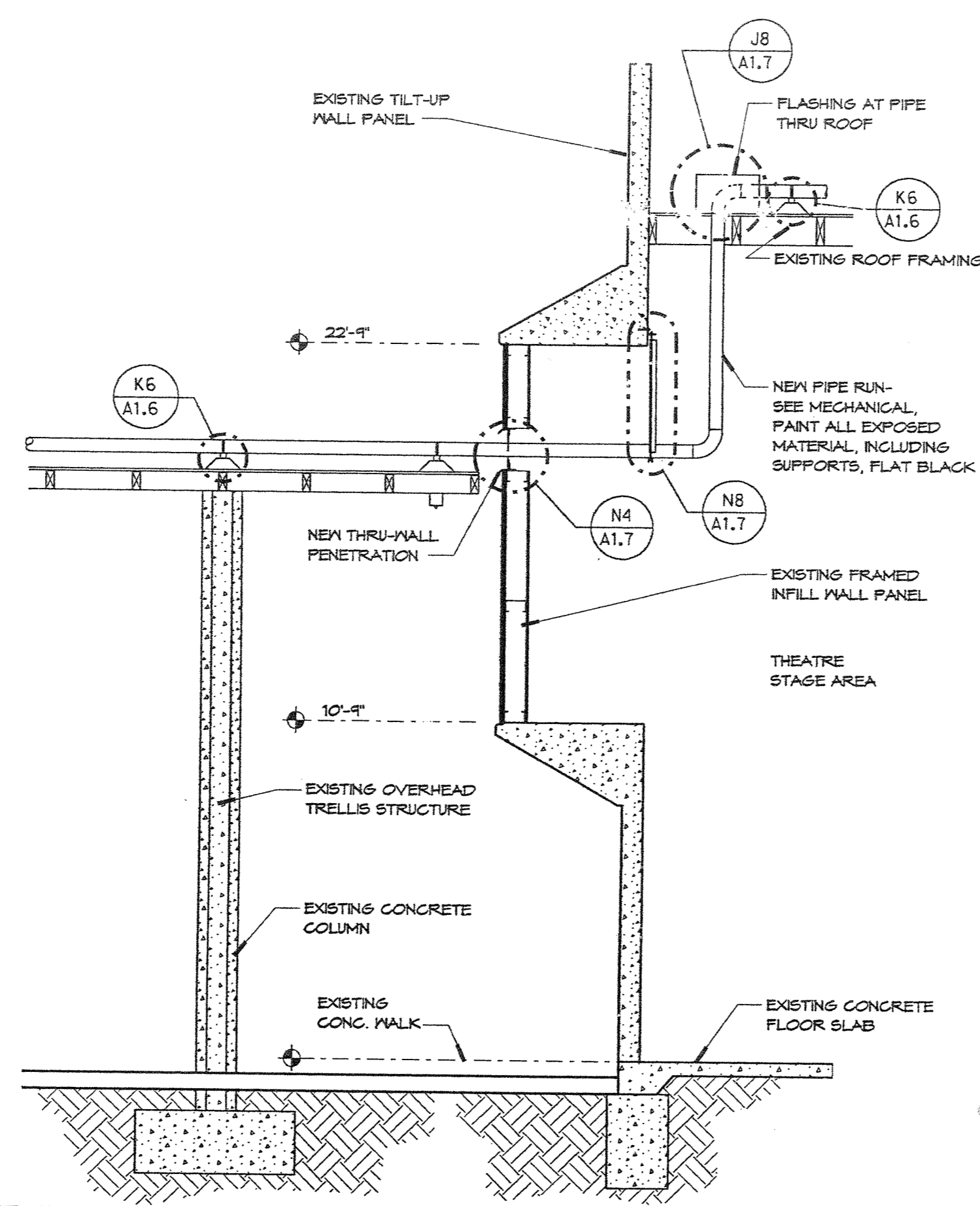
BUILDING F - WALL PANEL ELEVATION
 REFER TO DETAIL L17/A1.7 FOR REINFORCING REQUIREMENTS AT SAWCUT OPENING



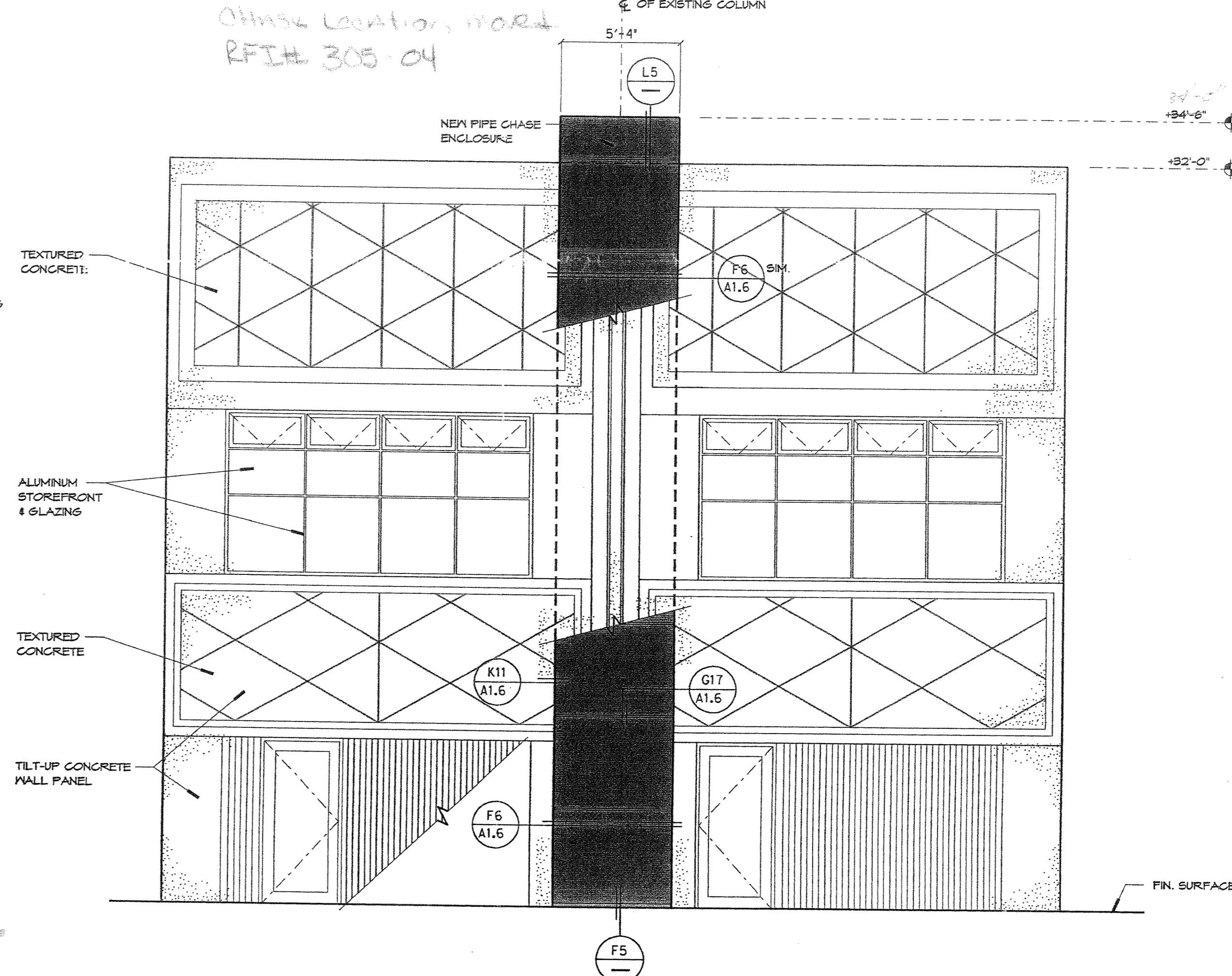
BUILDING A - WALL PANEL ELEVATION



BUILDING C - EAST WALL PANEL ELEVATION
 RFL# 305-12
 Chase location moved
 RFL# 305-04

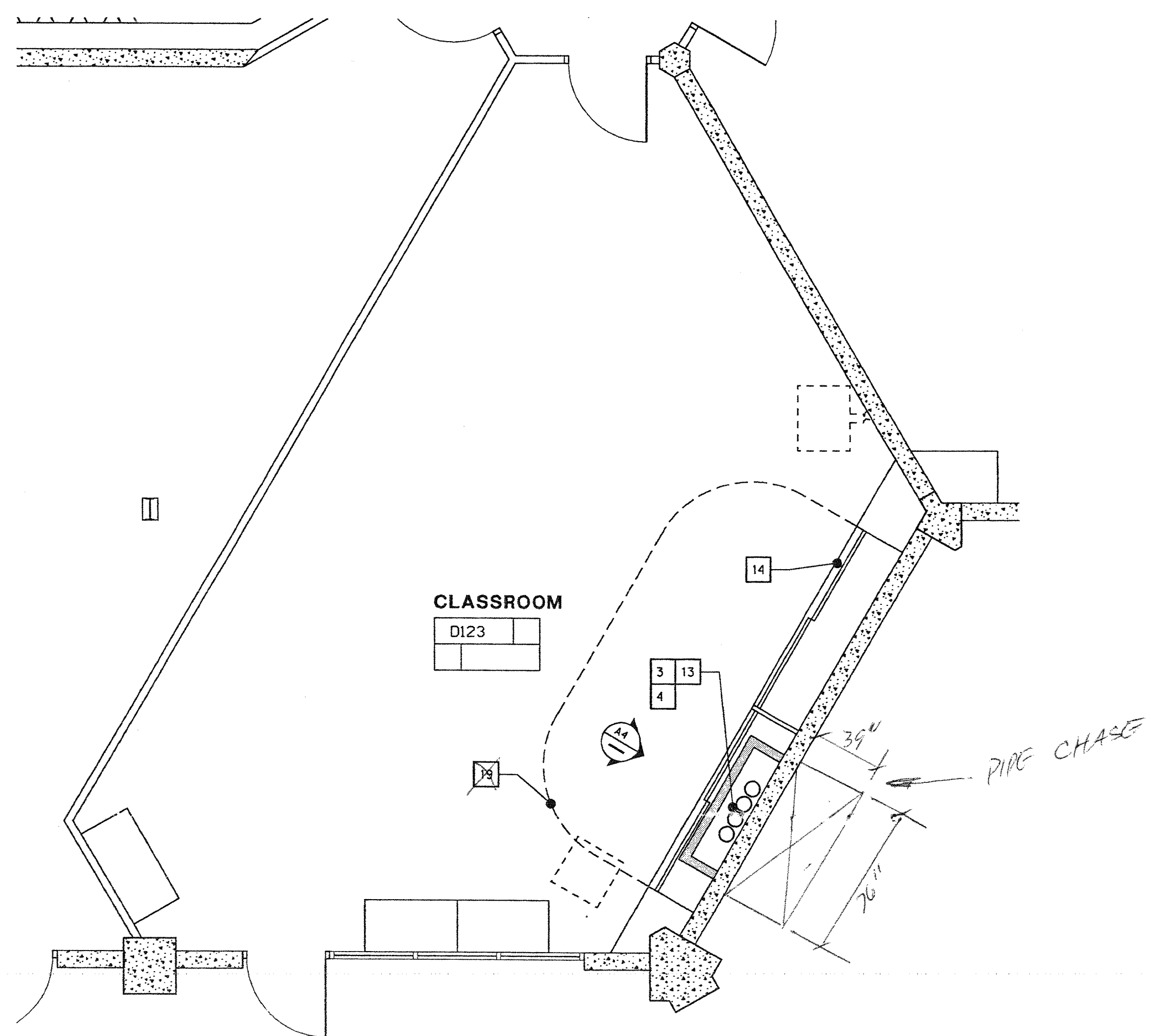


BUILDING E - SECTION AT THEATRE STAGE



BUILDING D - NORTH WALL PANEL ELEVATION

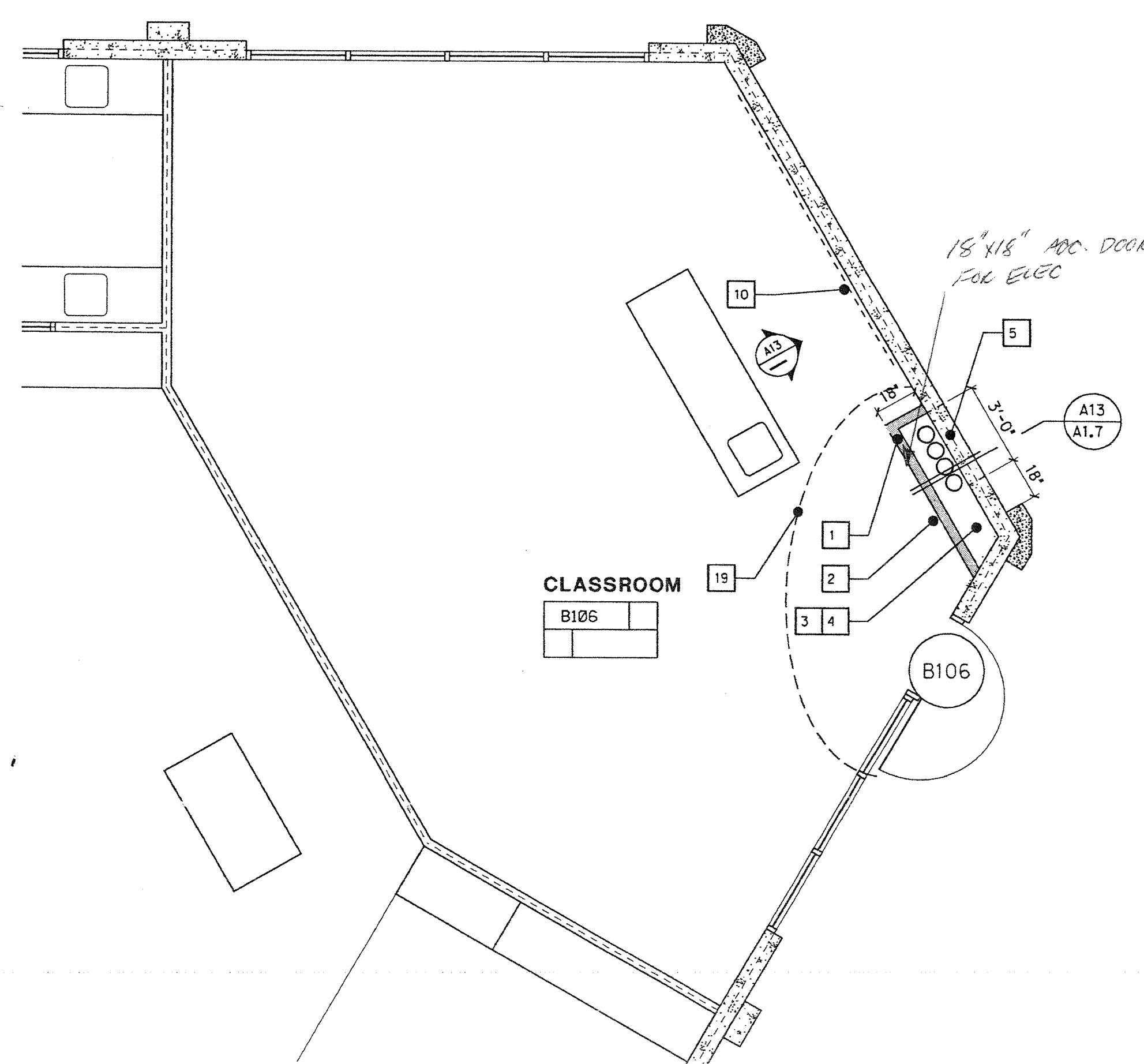
EXTERIOR WALL PANEL ELEVATIONS A17
 1/4" = 1'-0"



BUILDING D PARTIAL PLAN ROOM D123

K09

1/4" = 1'-0"

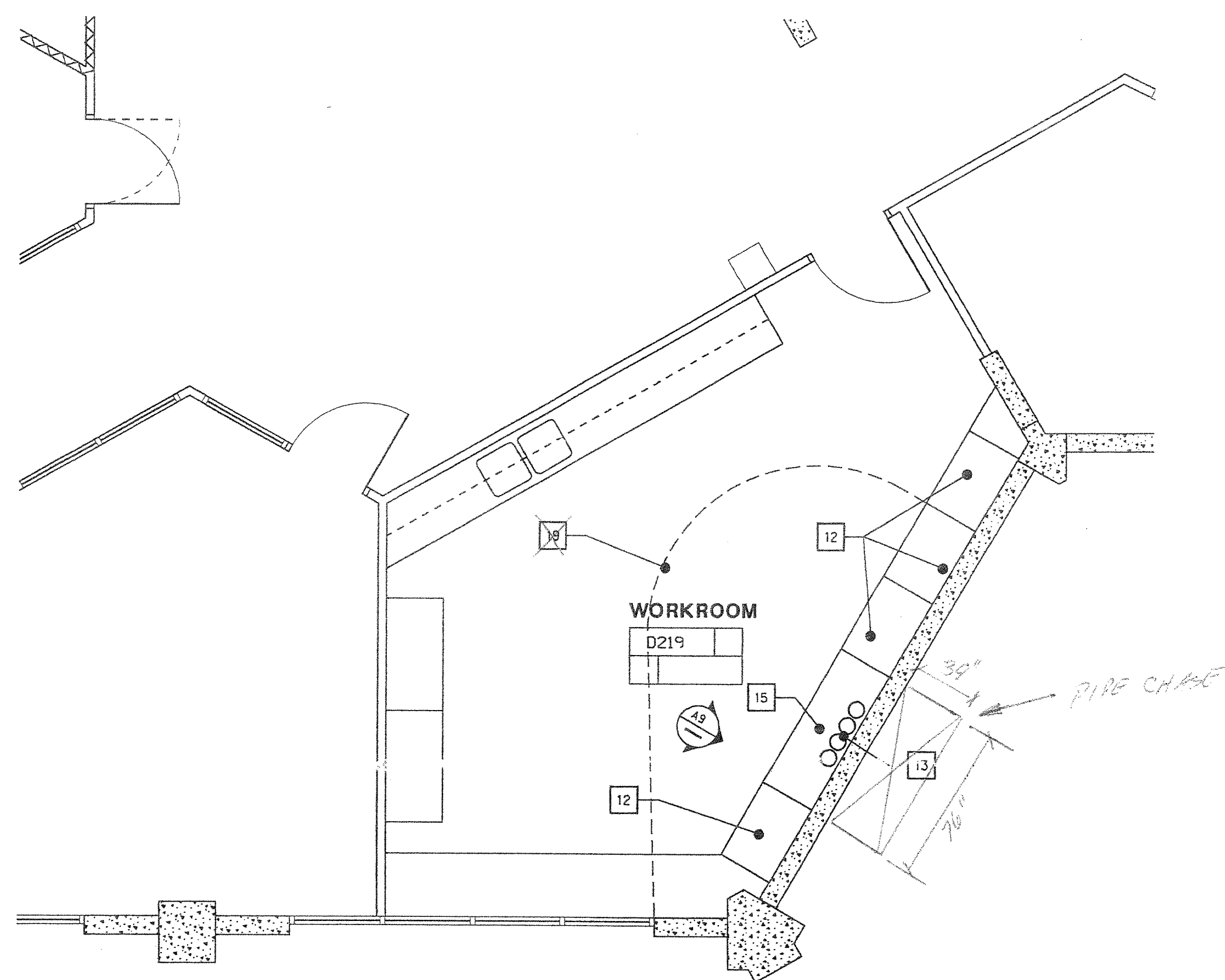


BUILDING B PARTIAL PLAN ROOM B106

K17

1/4" = 1'-0"

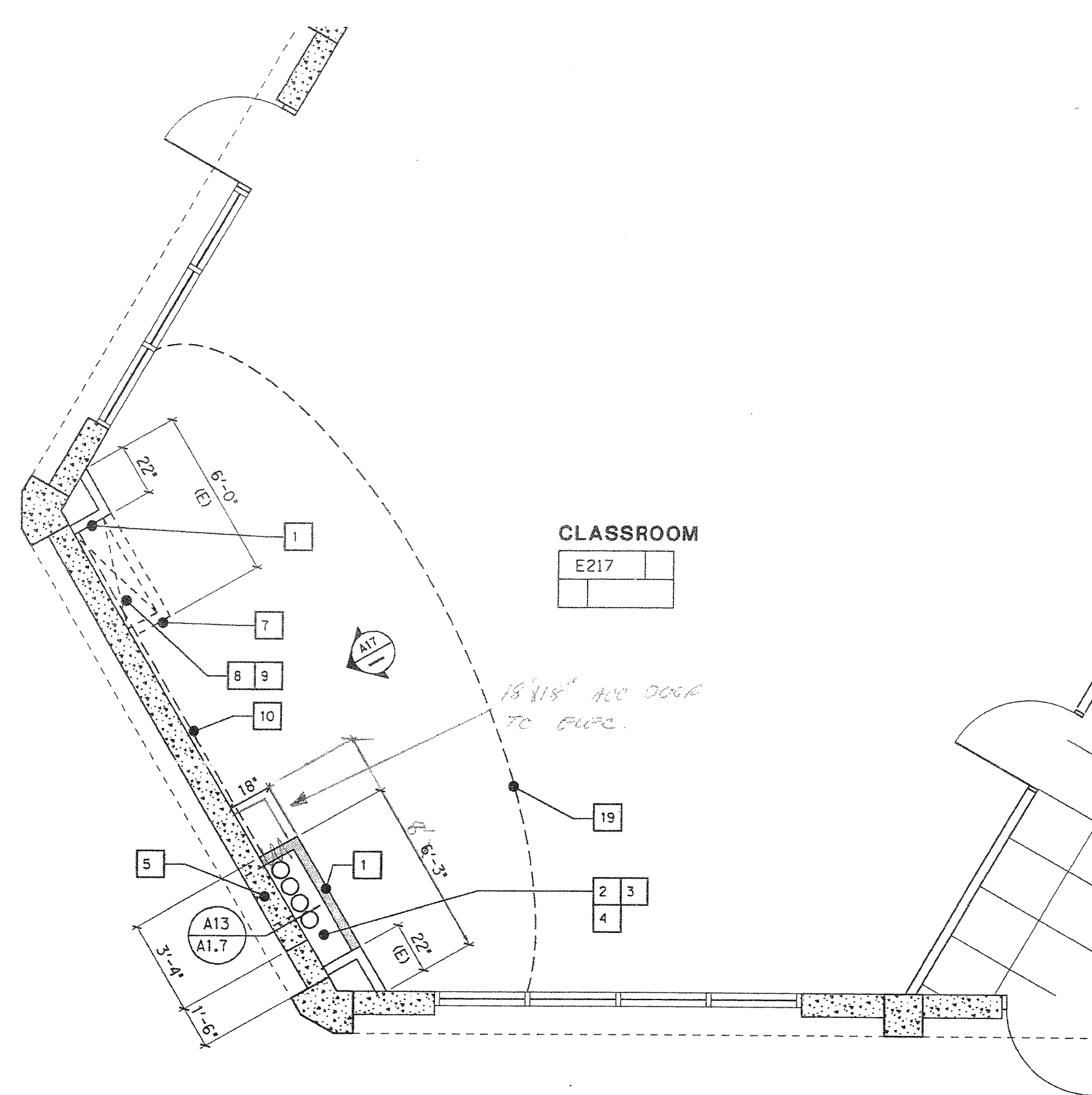
1. NEW FURRED CHASE WALL TO 6" ABOVE FINISH CEILING
2. REMOVE EXISTING SUSPENDED CEILING AT NEW CHASE WALL LOCATION. RECONFIGURE AND INSTALL TO NEW FINISH WALL SURFACE.
3. REMOVE EXISTING GLU-DOWN CARPET AT PROJECT WORK AREA. ROLL BACK AND SALVAGE FOR REINSTALLATION.
4. SAWCUT AND REMOVE EXISTING CONCRETE SLAB AT PIPE CHASE.
5. SAWCUT AND REMOVE PORTION OF EXISTING WALL PANEL. SEE DETAIL A11/A12.
6. EXISTING WALL FRAMING TO REMAIN.
7. REMOVE PORTION OF EXISTING WALL FRAMING
8. PROVIDE NEW SUSPENDED T-BAR CEILING TO MATCH EXISTING AT REMOVED DUCT CHASE.
9. PROVIDE CARPET AND TOPSET BASE TO MATCH EXISTING.
10. RELOCATE EXISTING WALL MOUNT MARKER BOARDS- PAINT ENTIRE WALL FINISH.
11. EXISTING SLIDING MARKER BOARDS- TO REMAIN. REMOVE AND REPLACE AT COMPLETION OF CONSTRUCTION.
12. EXISTING CASEWORK TO REMAIN.
13. EXISTING PIPE CHASE- REMOVE AND REPLACE EXISTING FINISH -SEE ALSO MECHANICAL.
14. EXISTING TEACHING WALL TO REMAIN- PROTECT CASEWORK DURING CONSTRUCTION
15. REMOVABLE PLYWOOD ACCESS PANEL AT PIPE CHASE LAMINATE FINISH.
16. REMOVE PORTION OF EXISTING CASEWORK TO ACCESS PIPE CHASE. REPLACE AT COMPLETION OF CONSTRUCTION TO MATCH FINISH AT EXISTING ADJACENT CASEWORK.
17. RELOCATE EXISTING PROJECTION SCREEN- CENTER OVER MARKER BOARD.
18. EXISTING PLYWOOD WALL PANELS- PROTECT IN PLACE.
19. PROVIDE TEMPORARY CONSTRUCTION BARRIER AT PROJECT WORK AREA TO CONTROL DUST AND DEBRIS- HEAVY WEIGHT P.V.C., 20 ML SEAL ALL EDGES.



BUILDING D PARTIAL PLAN ROOM D219

D09

1/4" = 1'-0"



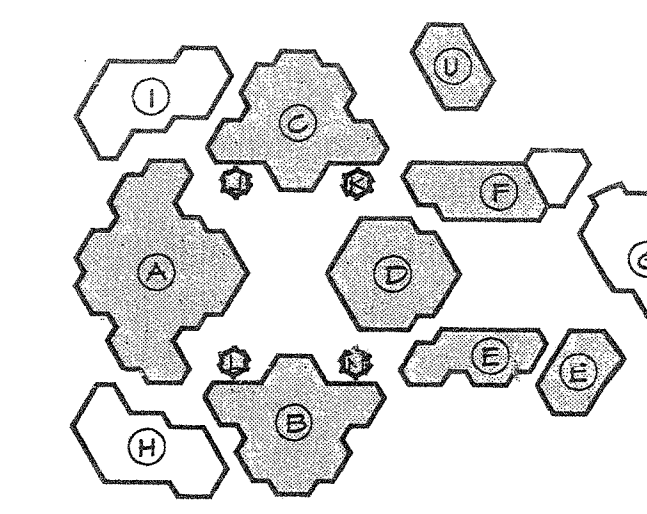
BUILDING E PARTIAL PLAN ROOM E217

D17

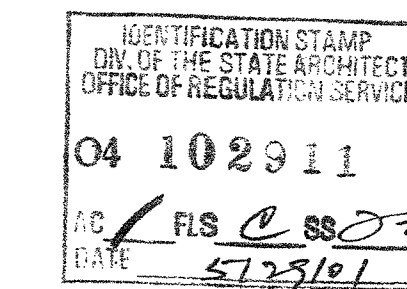
1/4" = 1'-0"

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944

KEY PLAN



Consultant's Seal

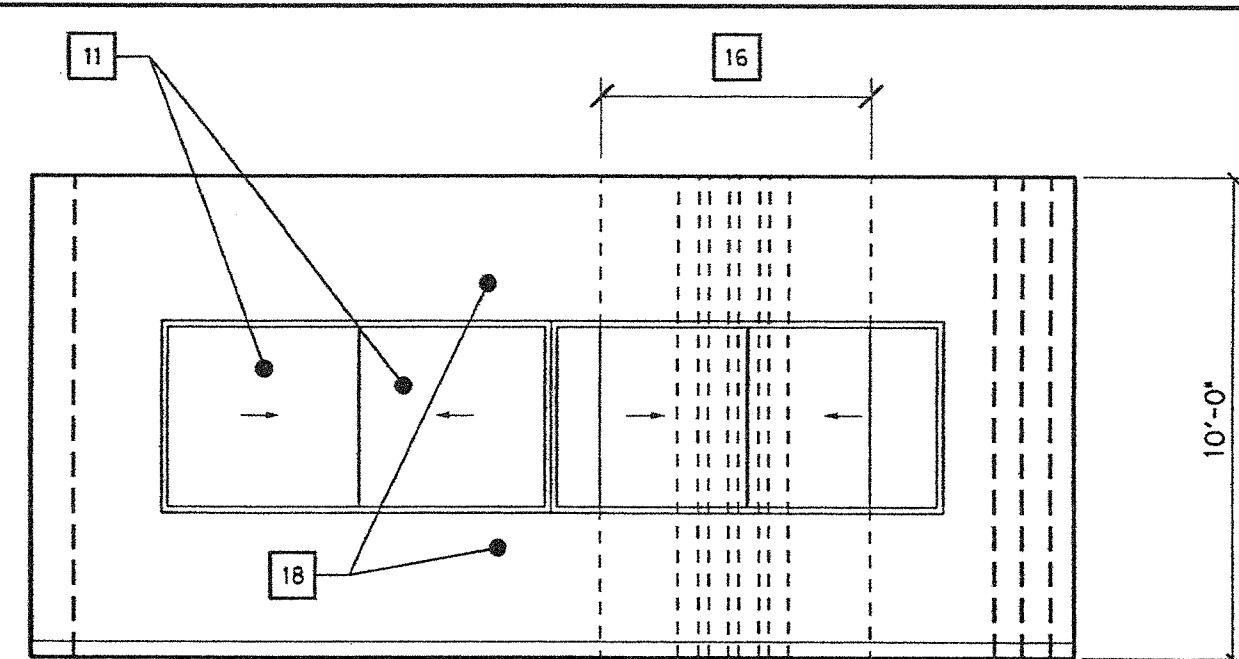


IRVINE HIGH SCHOOL
 PHASE III - MODERNIZATION
 REBID FOR CENTRAL UTILITY SYSTEM
 UPGRADE
 4321 WALNUT AVENUE
 IRVINE, CA 92604-2289
 IRVINE UNIFIED SCHOOL DISTRICT

No.	Revisions/Submissions	Date

Drawing Title
PARTIAL FLOOR PLANS - ELEVATIONS

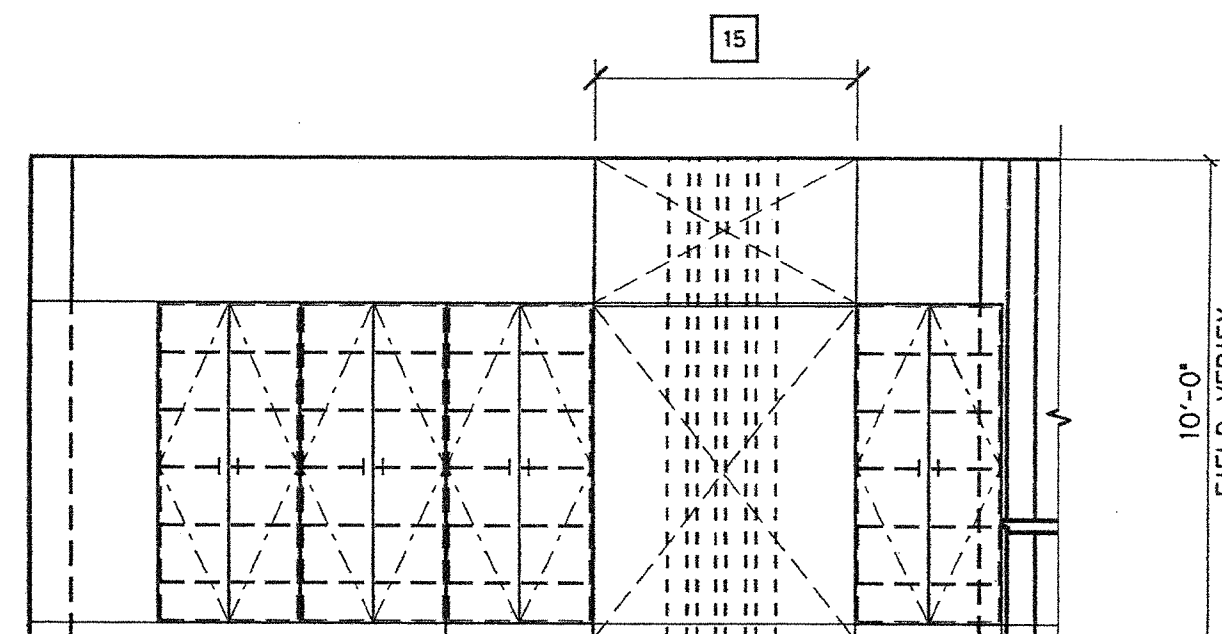
Architect's Seal	Designed TH	Project No. 9184005-P3
	Drawn AN/RJ	Scale
	Checked TH/AN	Drawing No.
	Reviewed TH	A-15
	Date 04/10/01	of



INTERIOR ELEVATION ROOM D123

A04

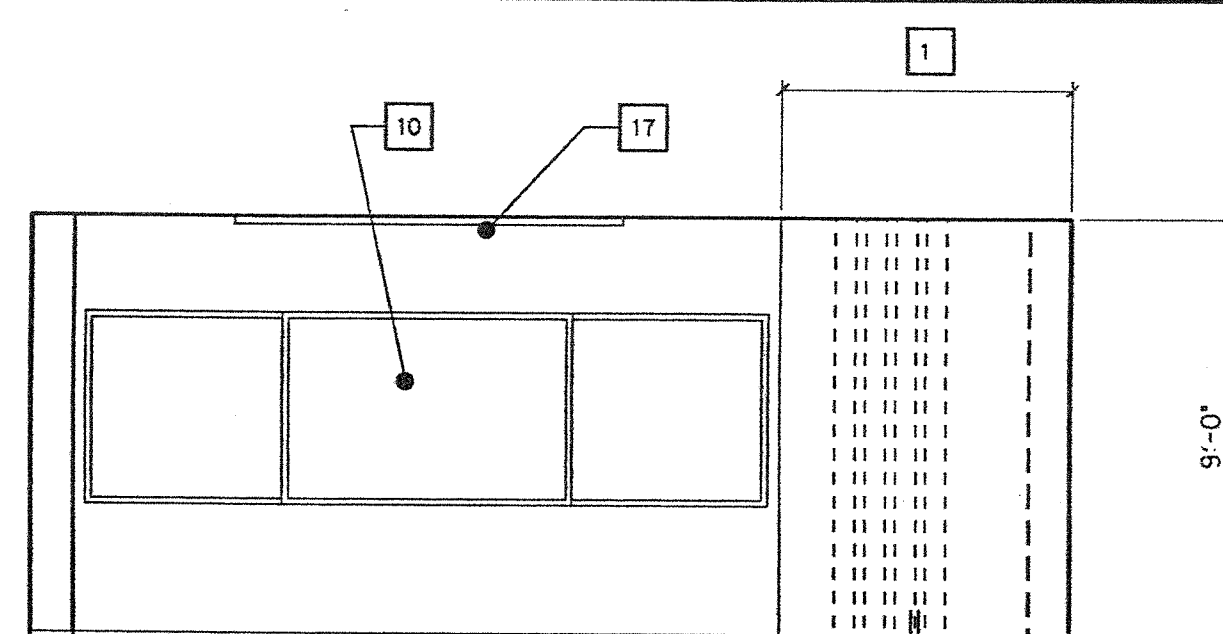
1/4" = 1'-0"



INTERIOR ELEVATION ROOM D219

A09

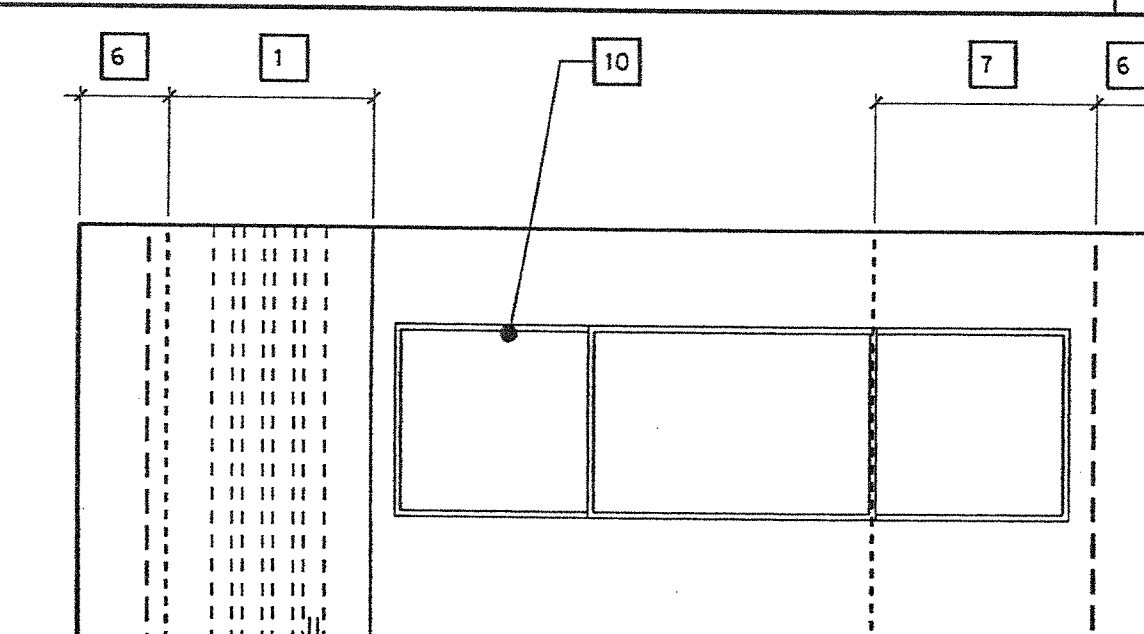
1/4" = 1'-0"



INTERIOR ELEVATION ROOM B106

A13

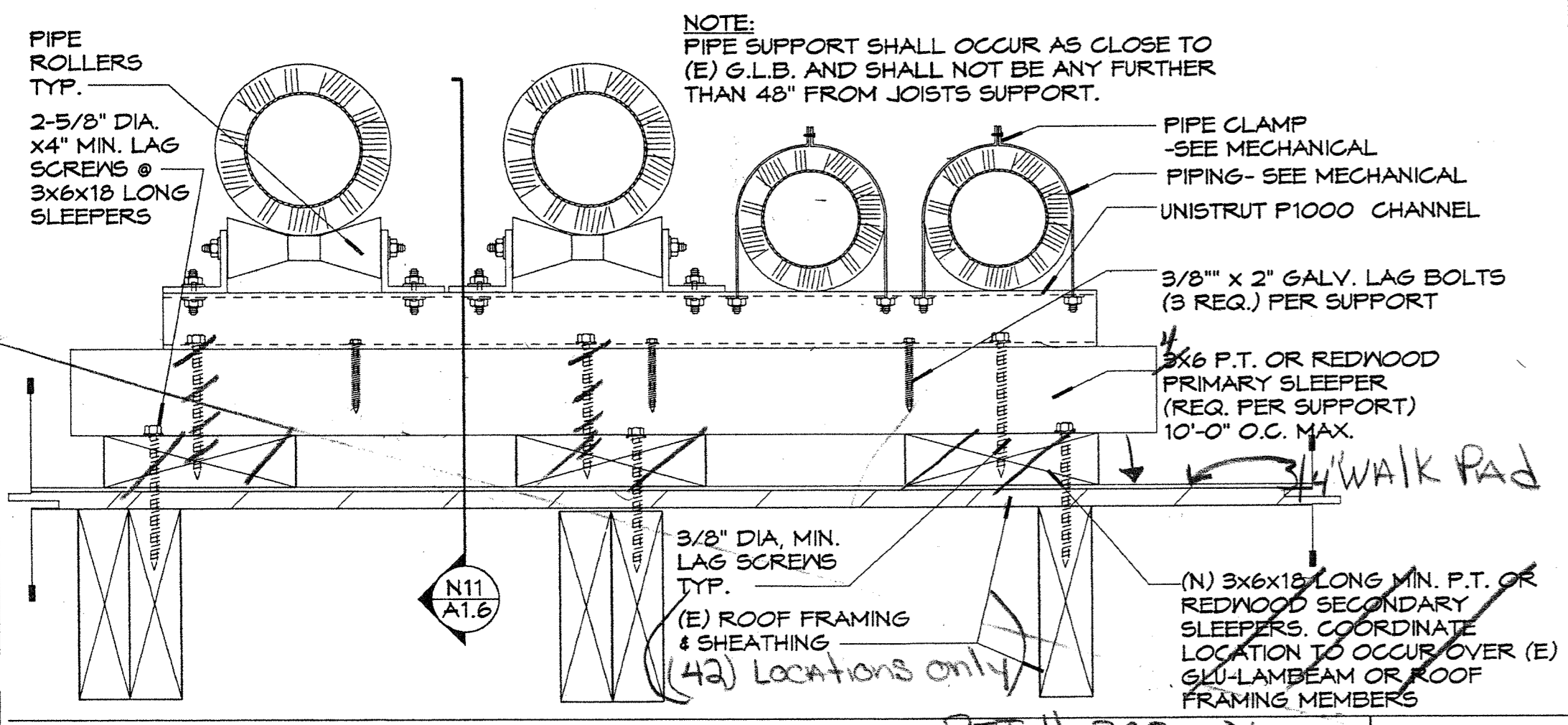
1/4" = 1'-0"



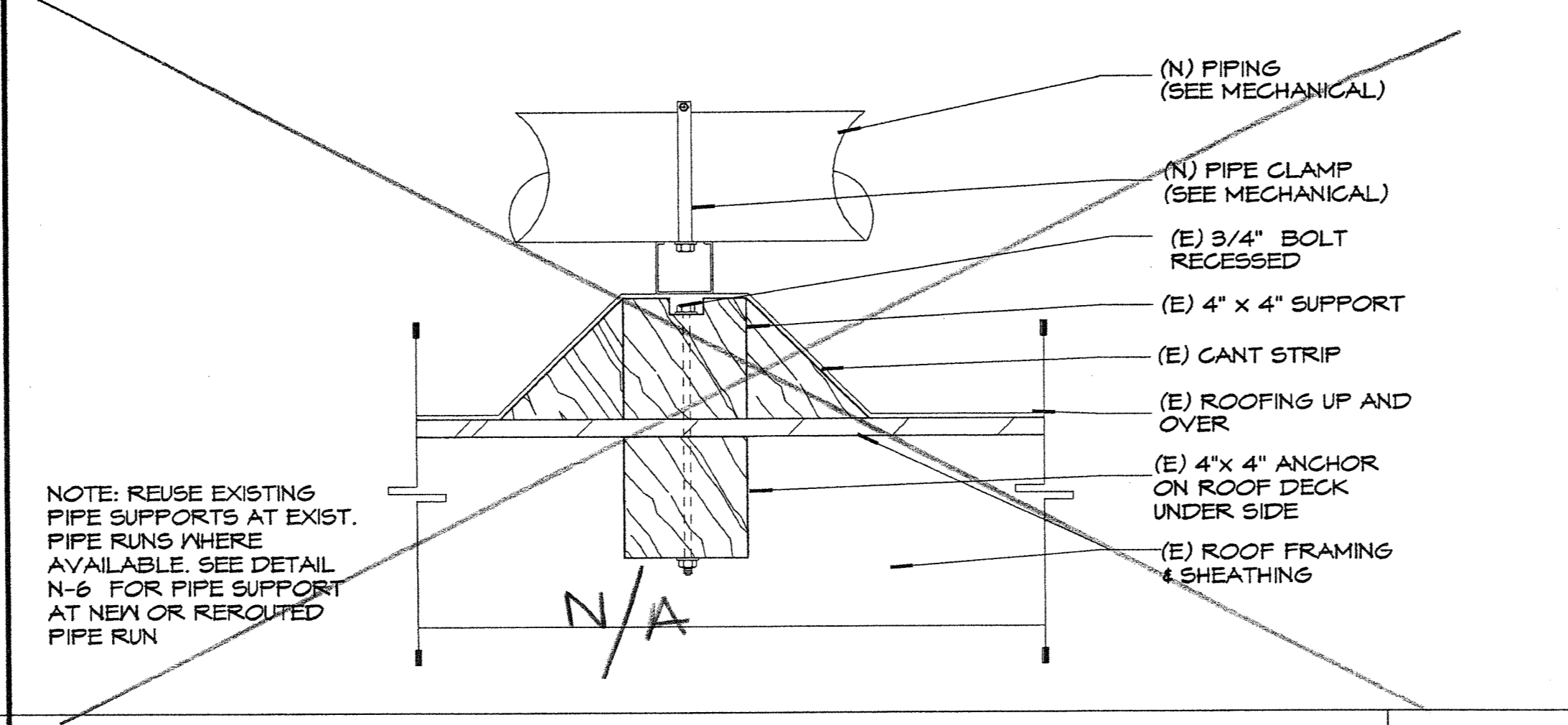
INTERIOR ELEVATION ROOM E217

A17

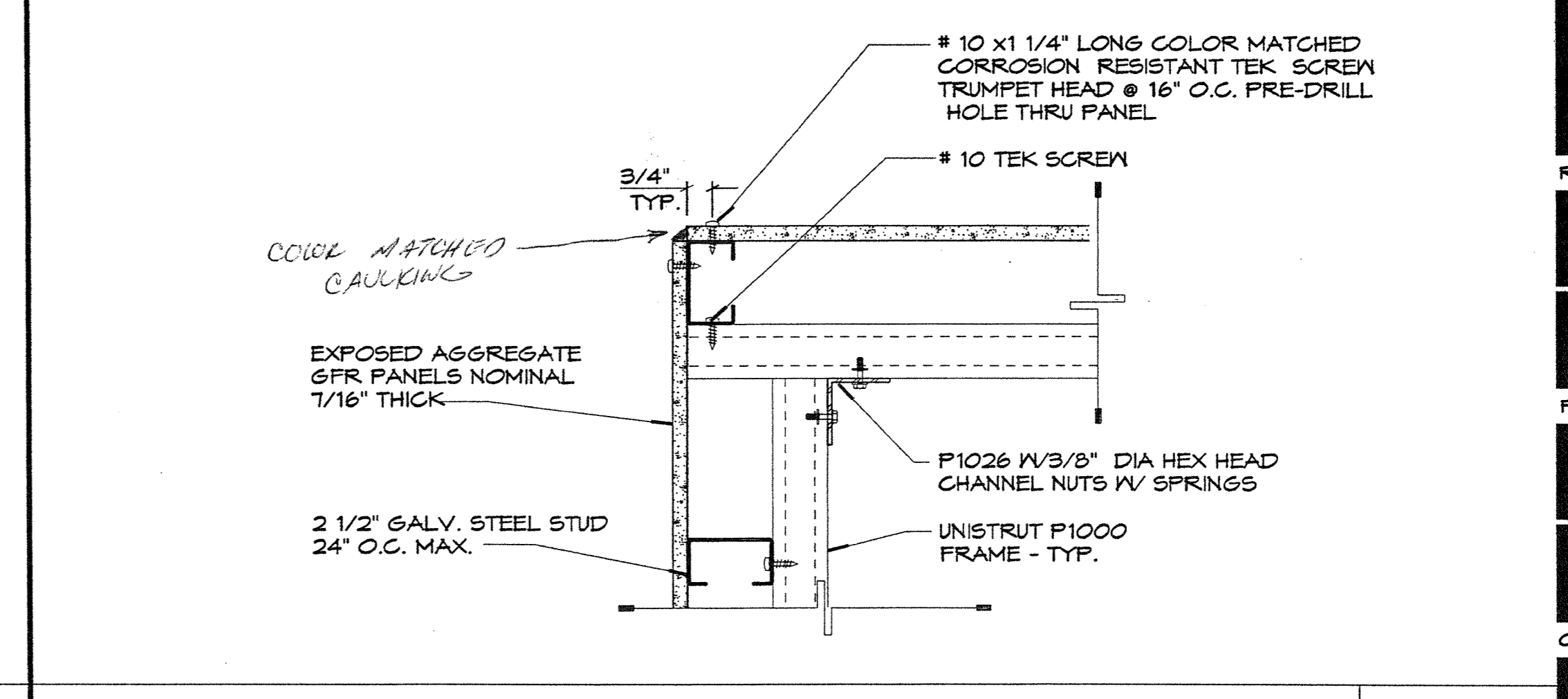
1/4" = 1'-0"



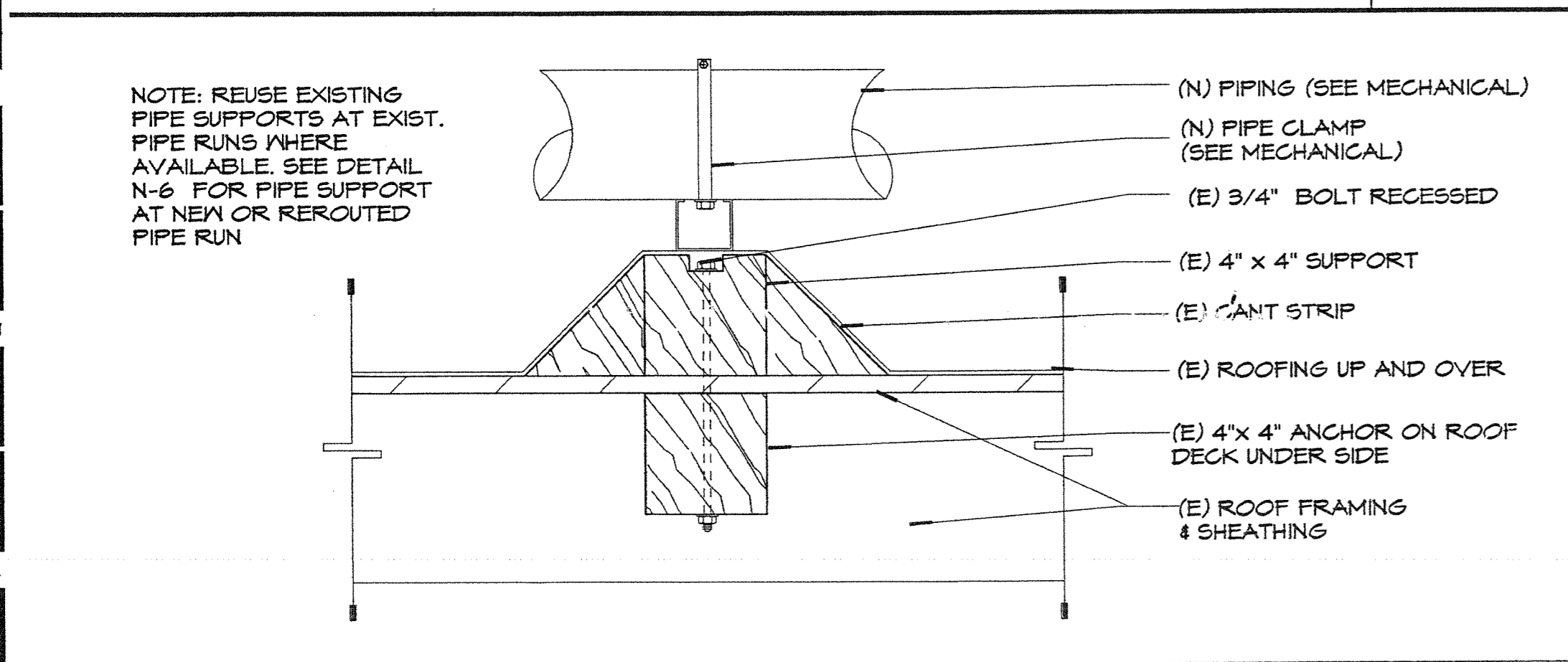
PIPE SUPPORT AT NEW PIPE RFL# 305-01 N6
 N.T.S.



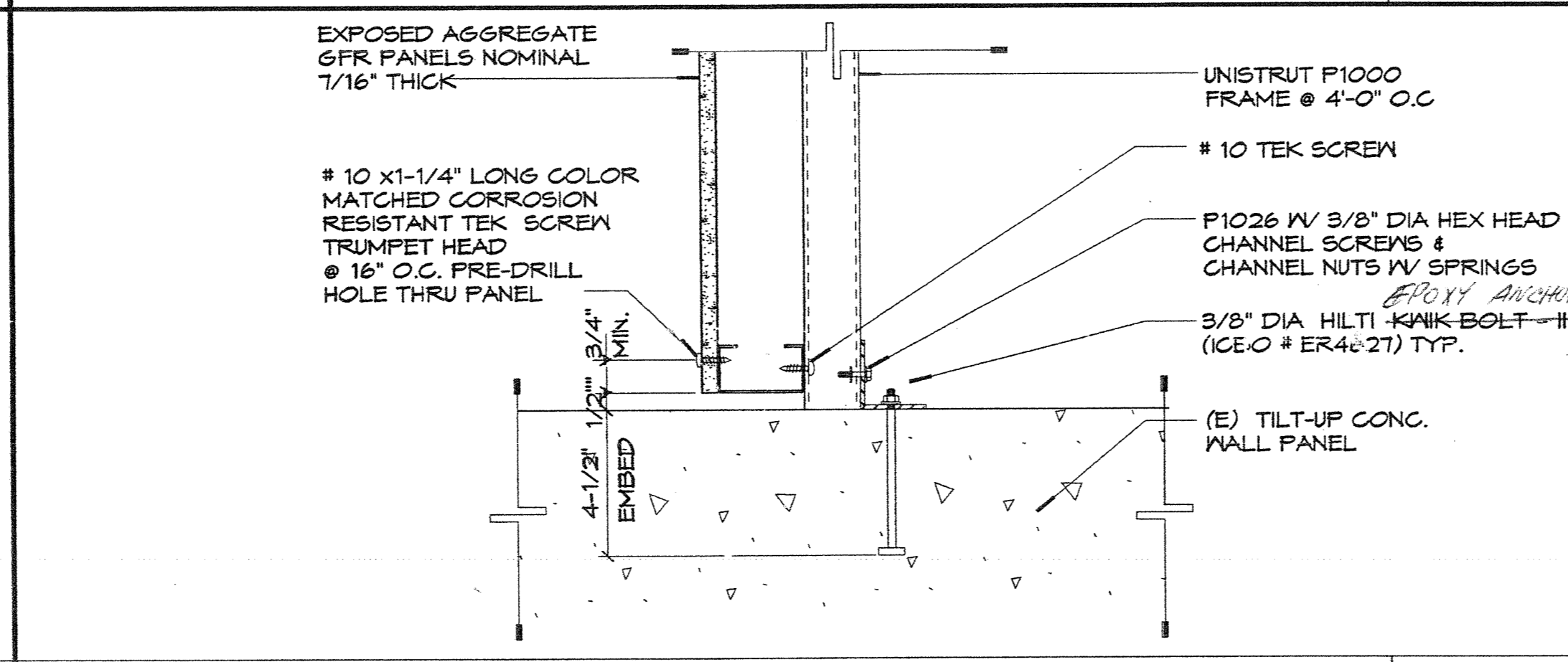
SECTION THRU PIPE SUPPORT N11
 N.T.S.



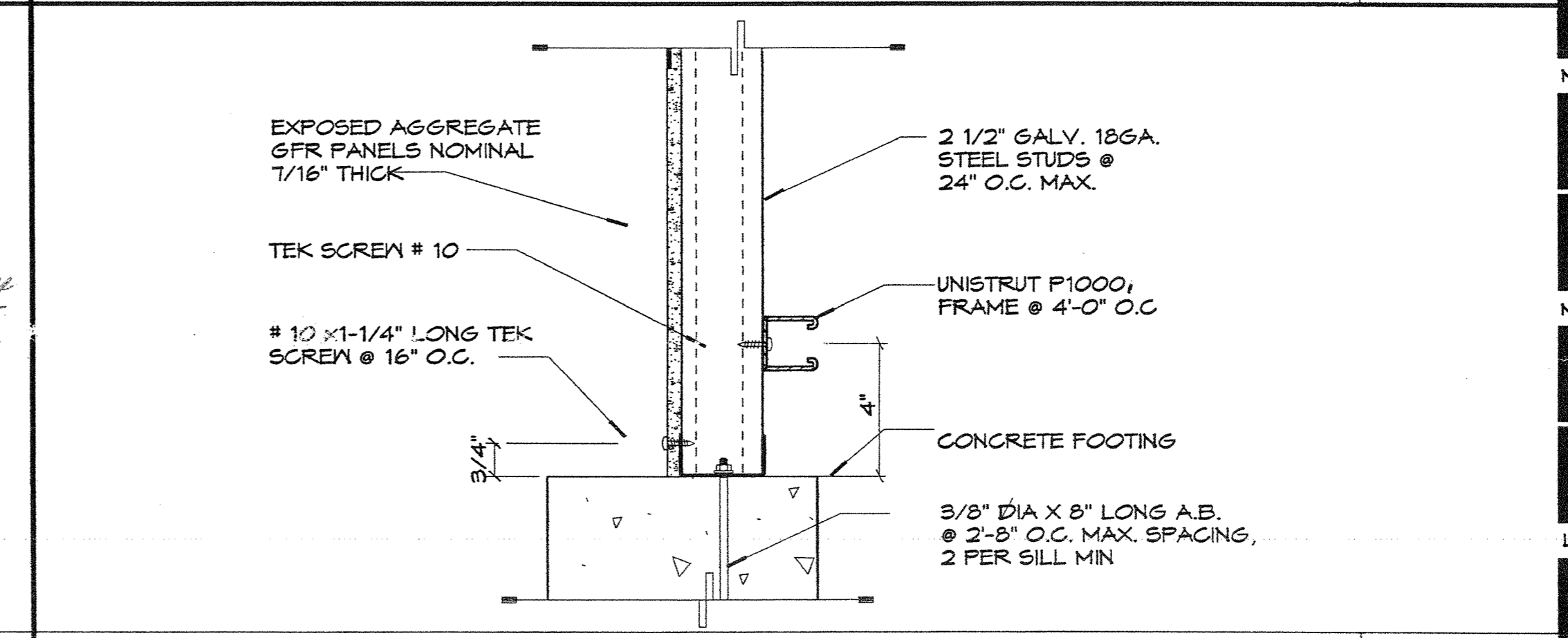
PIPE CHASE- PANEL AT CORNER N17
 3'-1'-0"



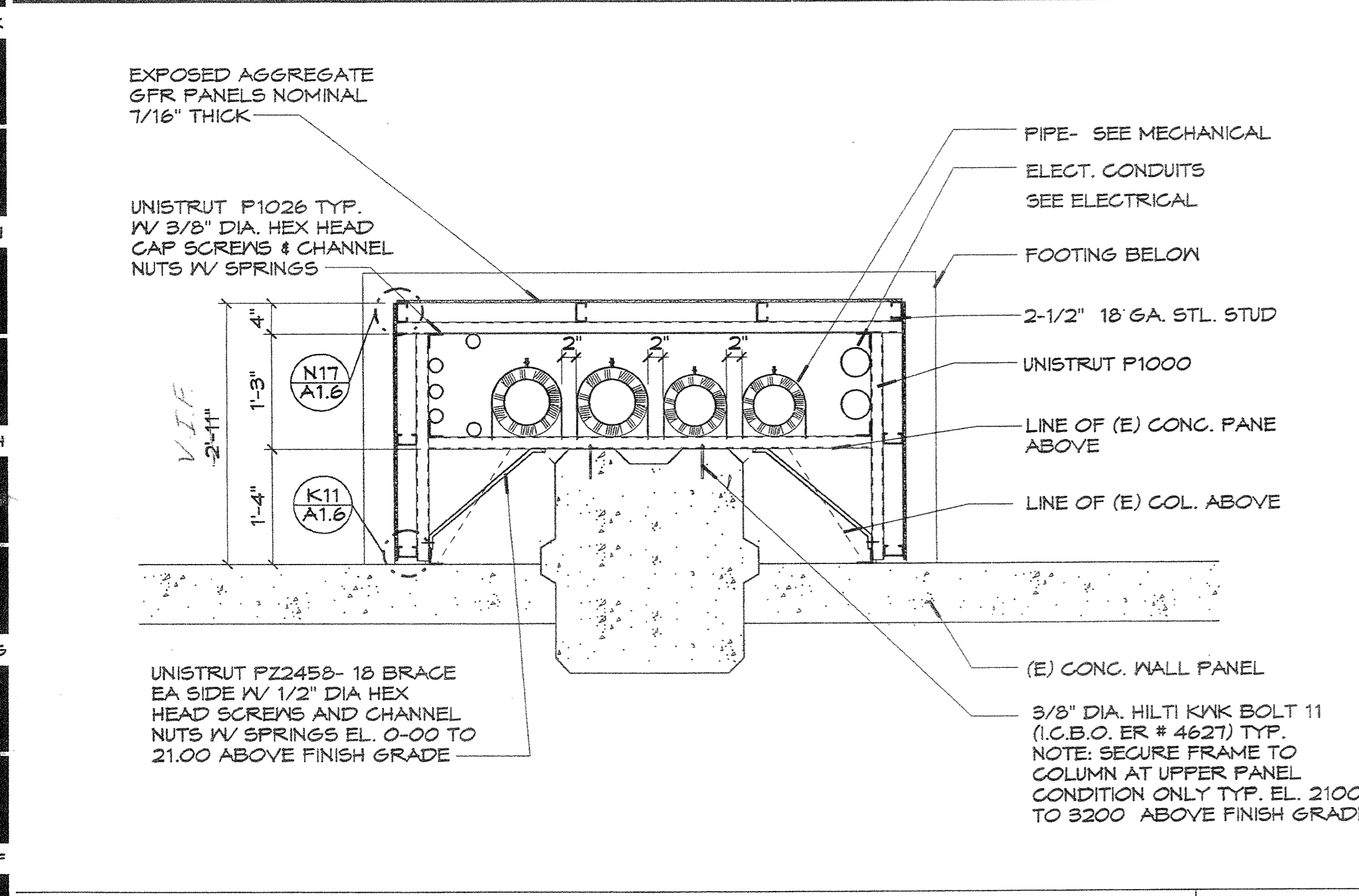
PIPE SUPPORT AT EXISTING PIPE RUN K6
 N.T.S.



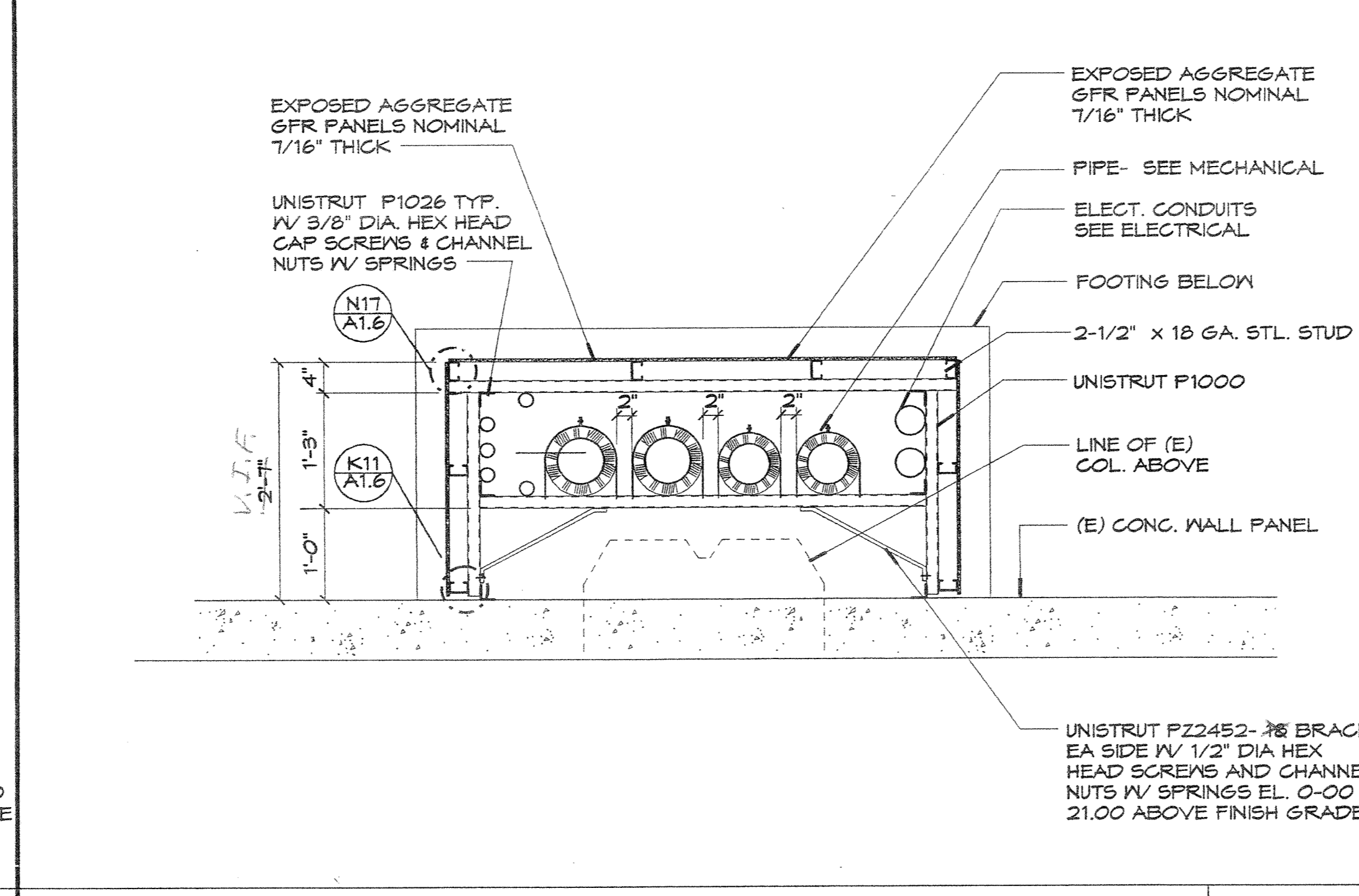
PIPE CHASE - PANEL TO WALL (PLAN VIEW) K11
 3'-1'-0"



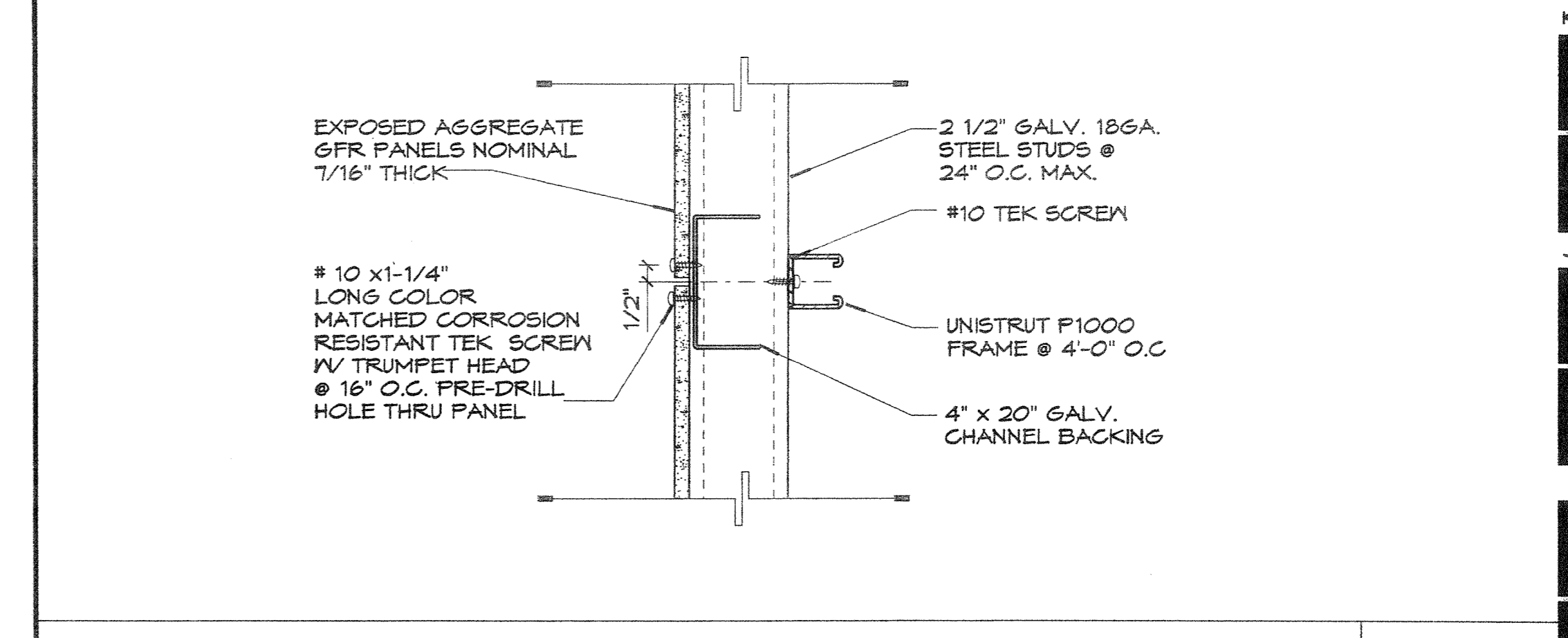
PIPE CHASE - PANEL AT FOOTING K17
 3'-1'-0"



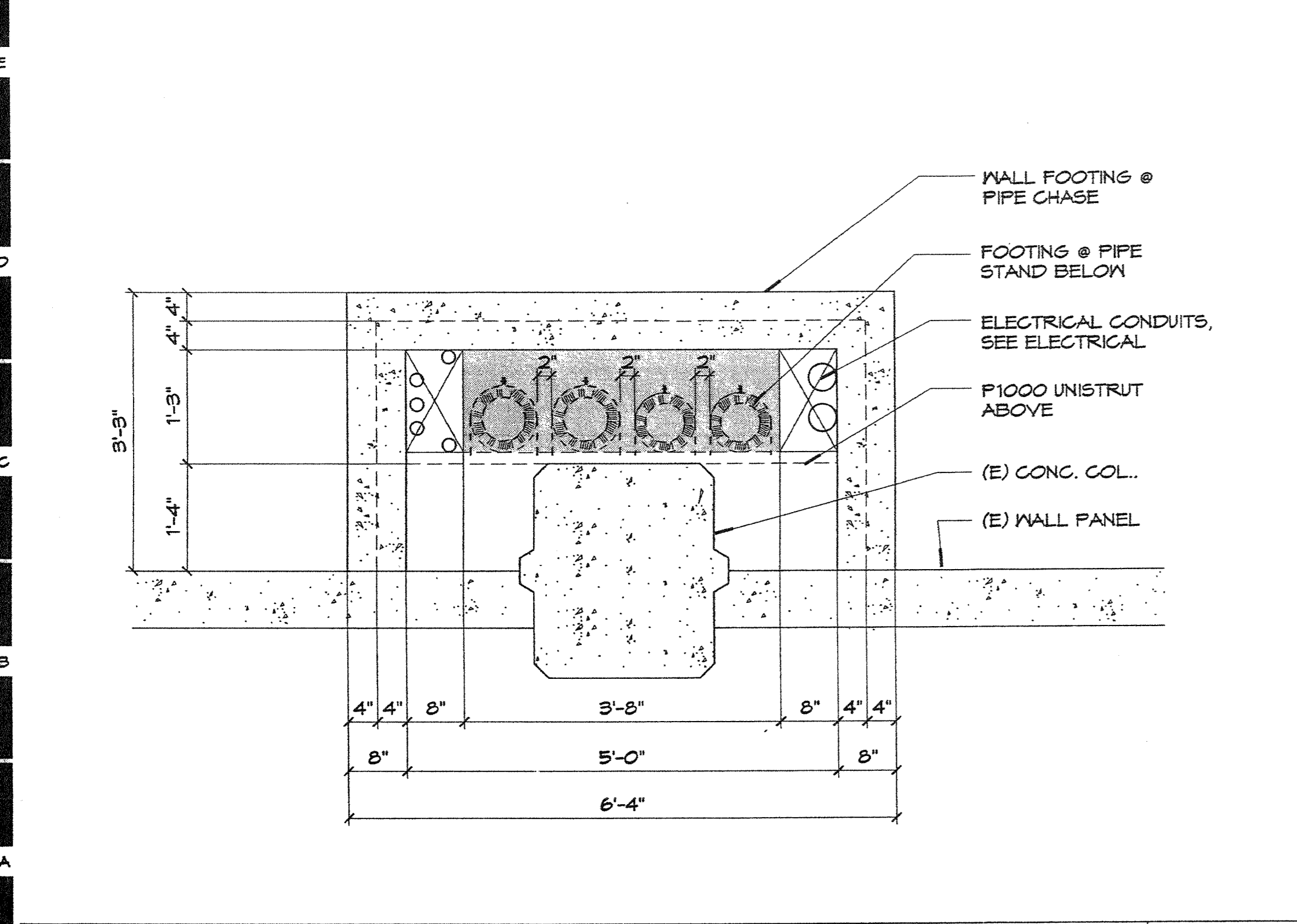
FRAMING PLAN - PIPE CHASE BUILDING - "D" F6
 3/4"x1'-0"



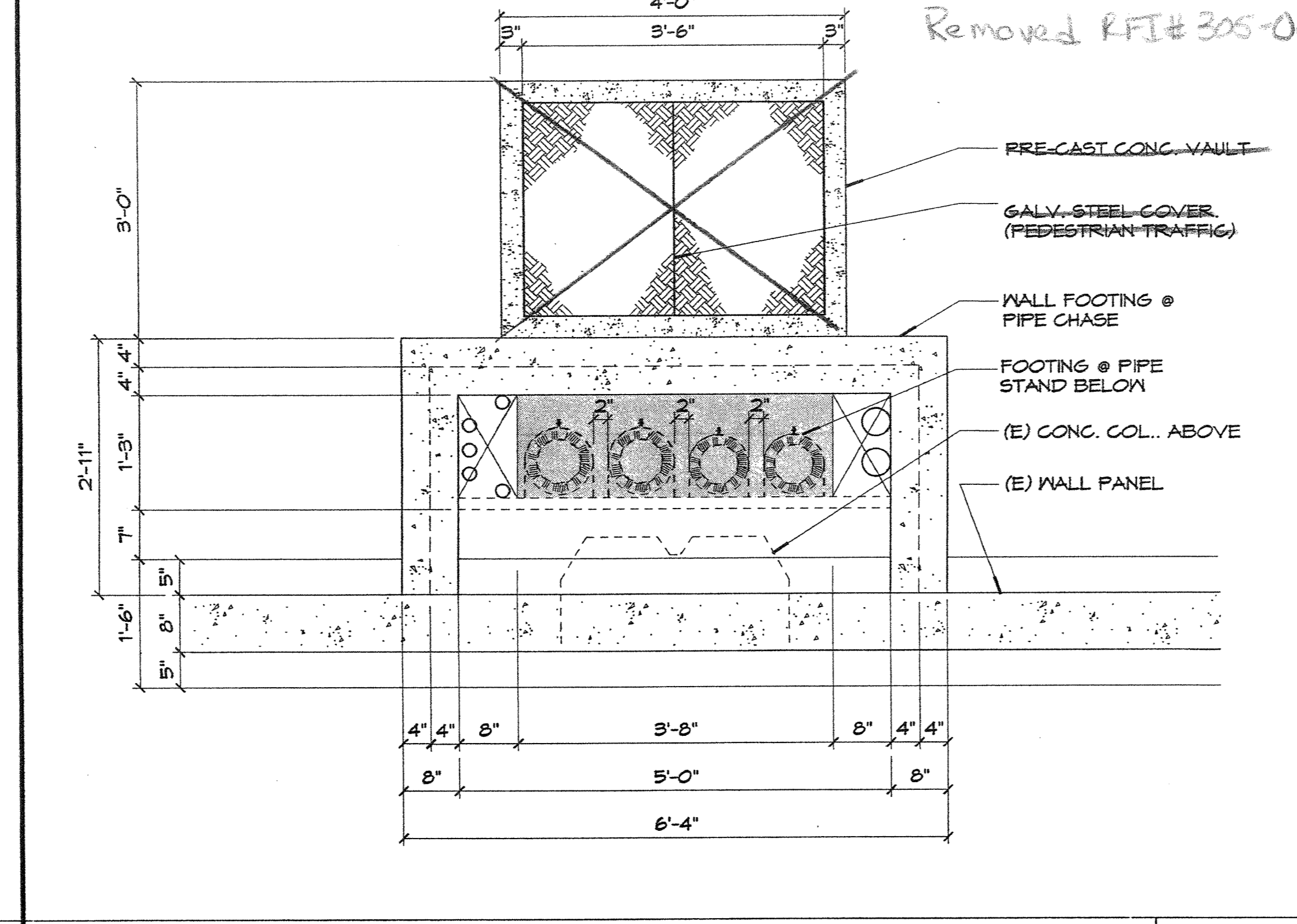
FRAMING PLAN - PIPE CHASE BUILDING "A" F11
 3/4"x1'-0"



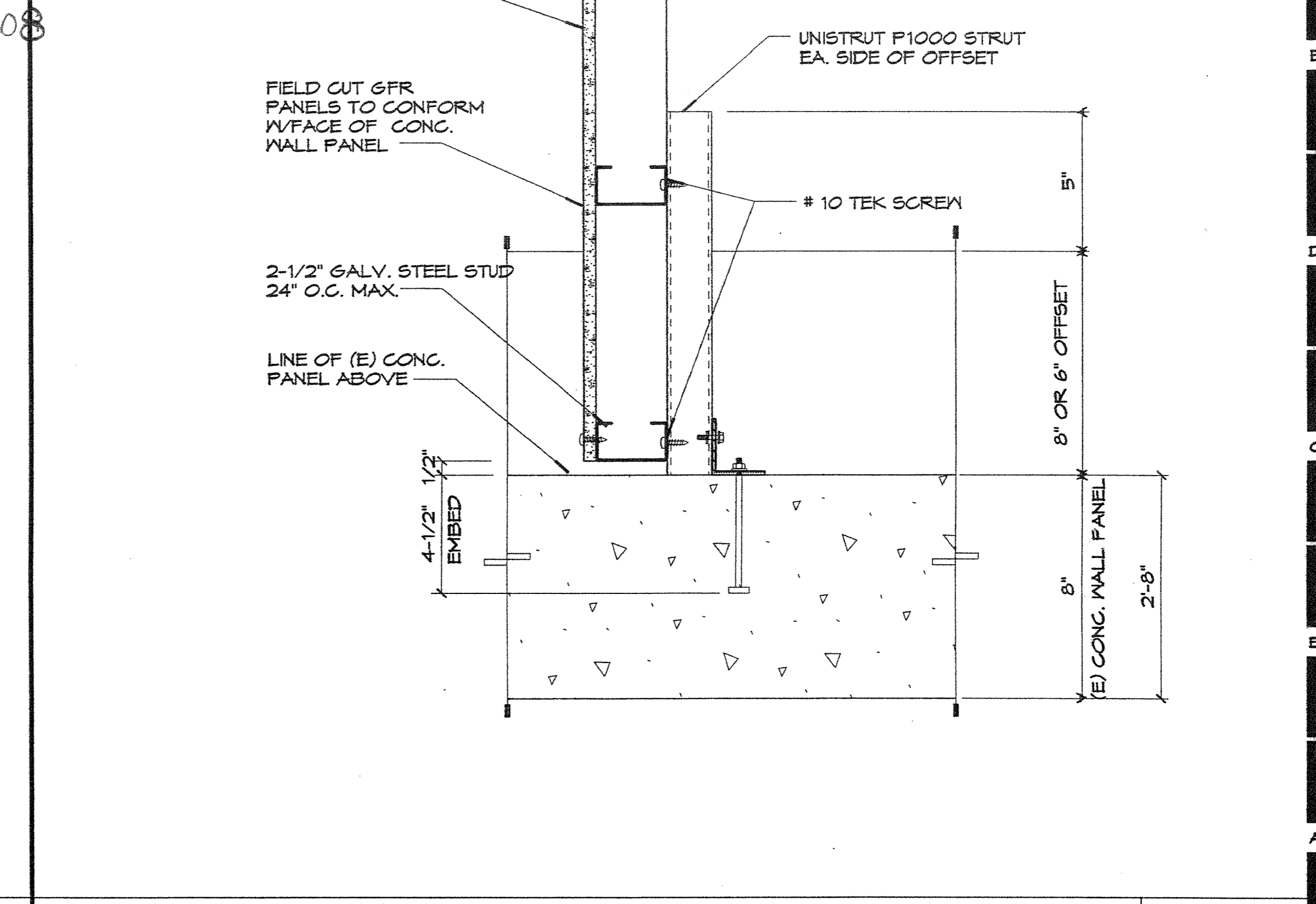
PIPE CHASE- PANEL JOINT G17
 3'-1'-0"



FOUNDATION PLAN PIPE CHASING - BUILDING "D" A6
 3/4"x1'-0"

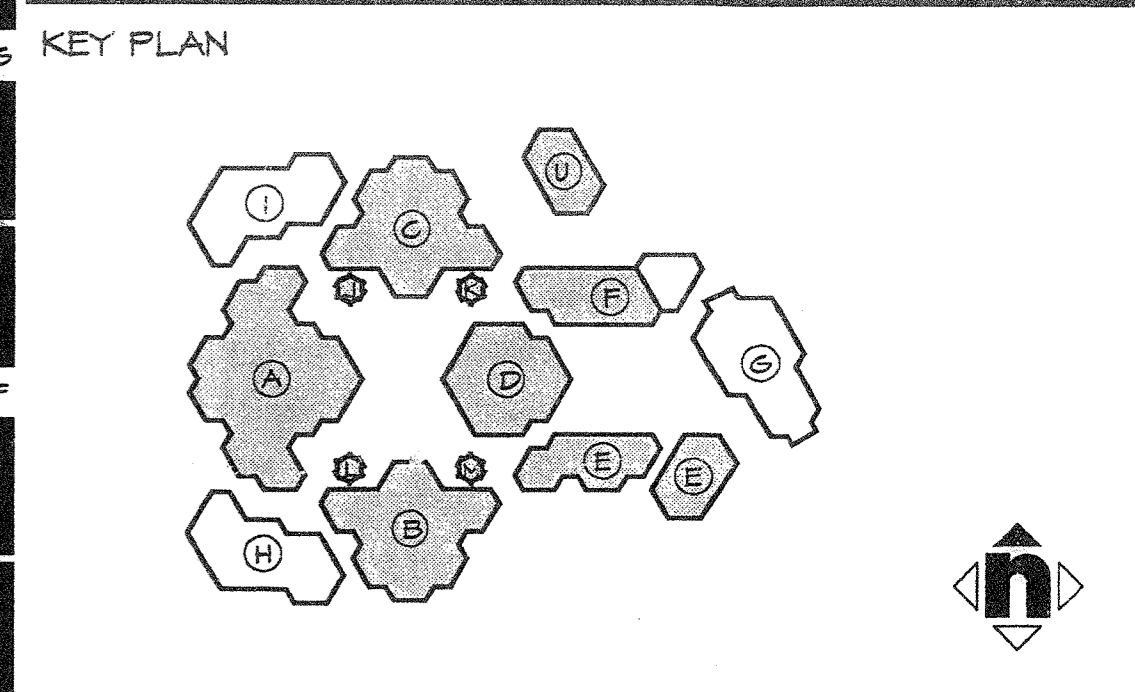


FOUNDATION PLAN - PIPE CHASE BUILDING "A" A11
 3/4"x1'-0"



PIPE CHASE - SUPPORT AT OFFSET PANEL A17
 3'-1'-0"

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 LICENSE # 658944



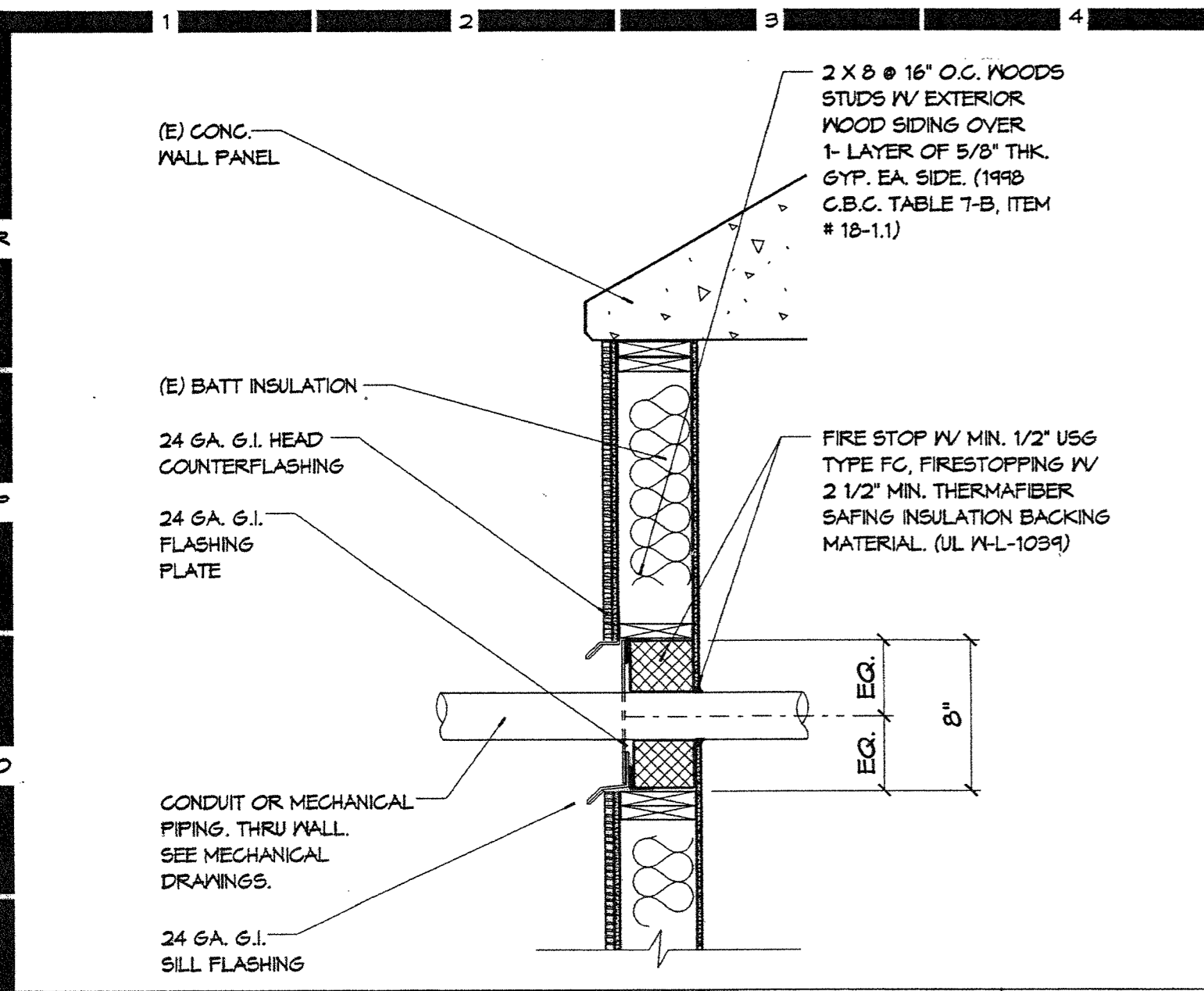
Consultant's Seal
 IDENTIFICATION STAMP
 DIVISION OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 04 1029 11
 NO. C-20601
 DATE 5/25/01

IRVINE HIGH SCHOOL
 PHASE III - MODERNIZATION
 REBID FOR CENTRAL UTILITY SYSTEM
 UPGRADE
 4321 WALNUT AVENUE
 IRVINE, CA 92604-2294
 IRVINE UNIFIED SCHOOL DISTRICT

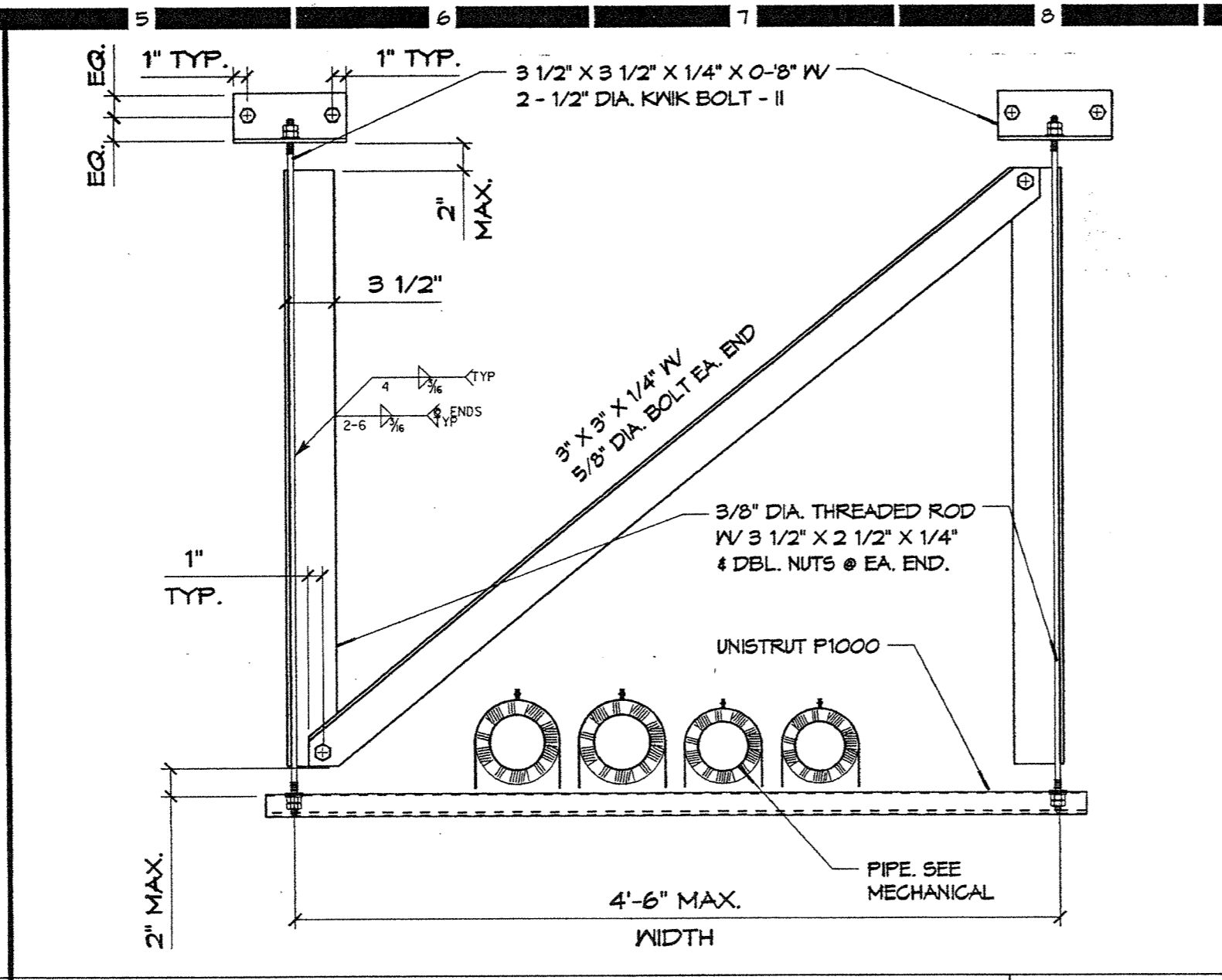
No.	Revisions/Submissions	Date

Drawing Title: **DETAILS**

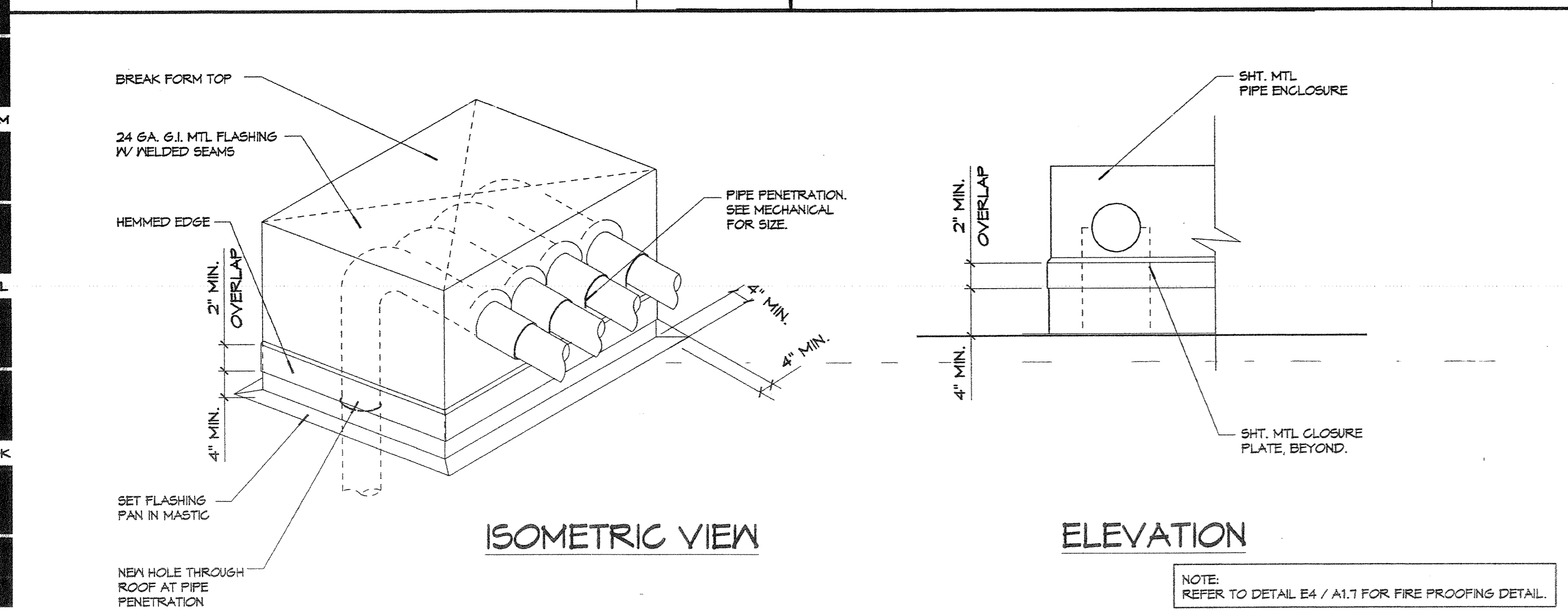
Architect's Seal	Designed TH	Project No. 9184005-F3
	Drawn AN/RJ	Scale AS NOTED
	Checked TH/AN	Drawing No. A1.6
	Reviewed TH	Date 04/10/01



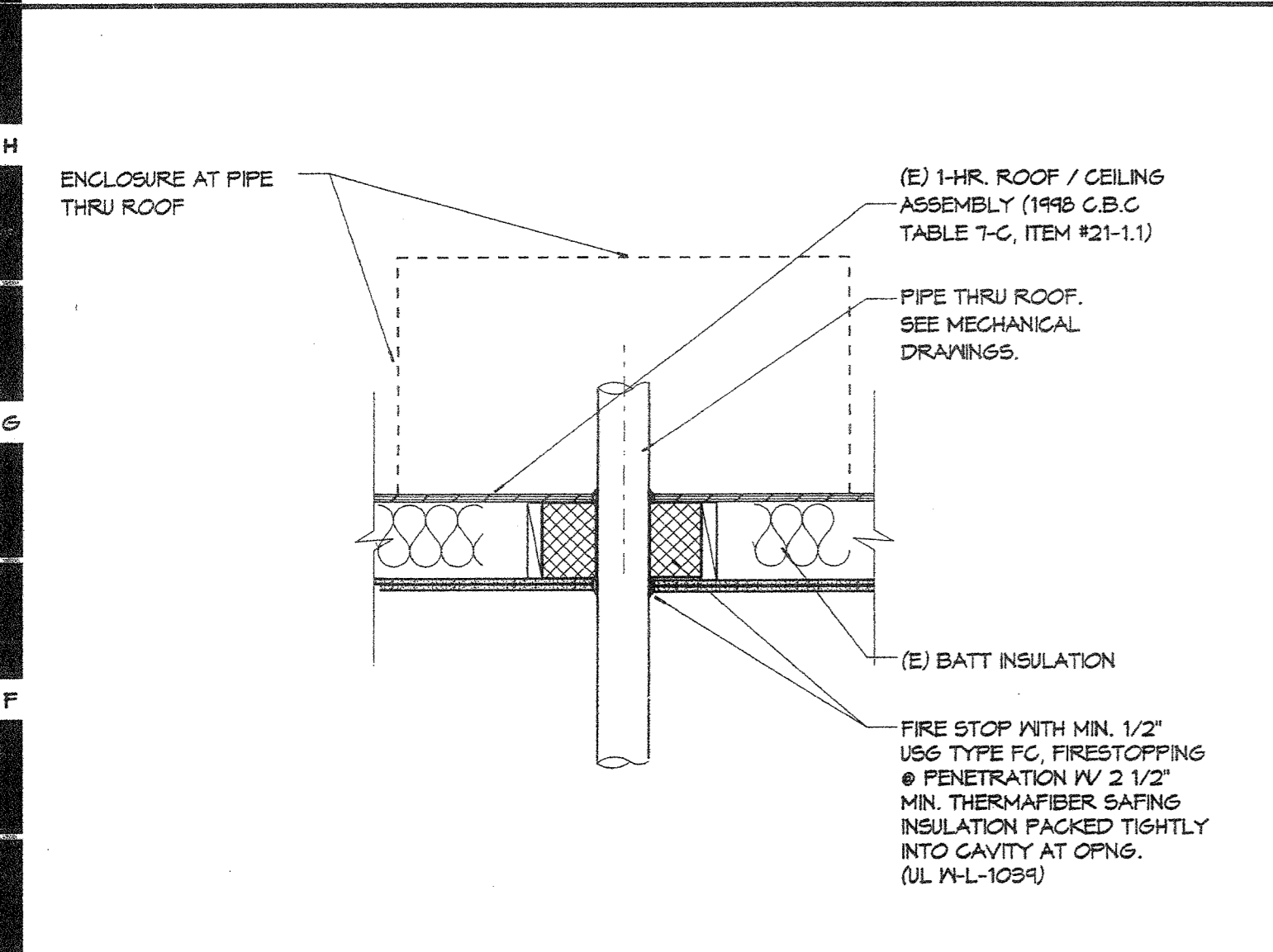
PIPE THRU WALL PENETRATION DTL. N4



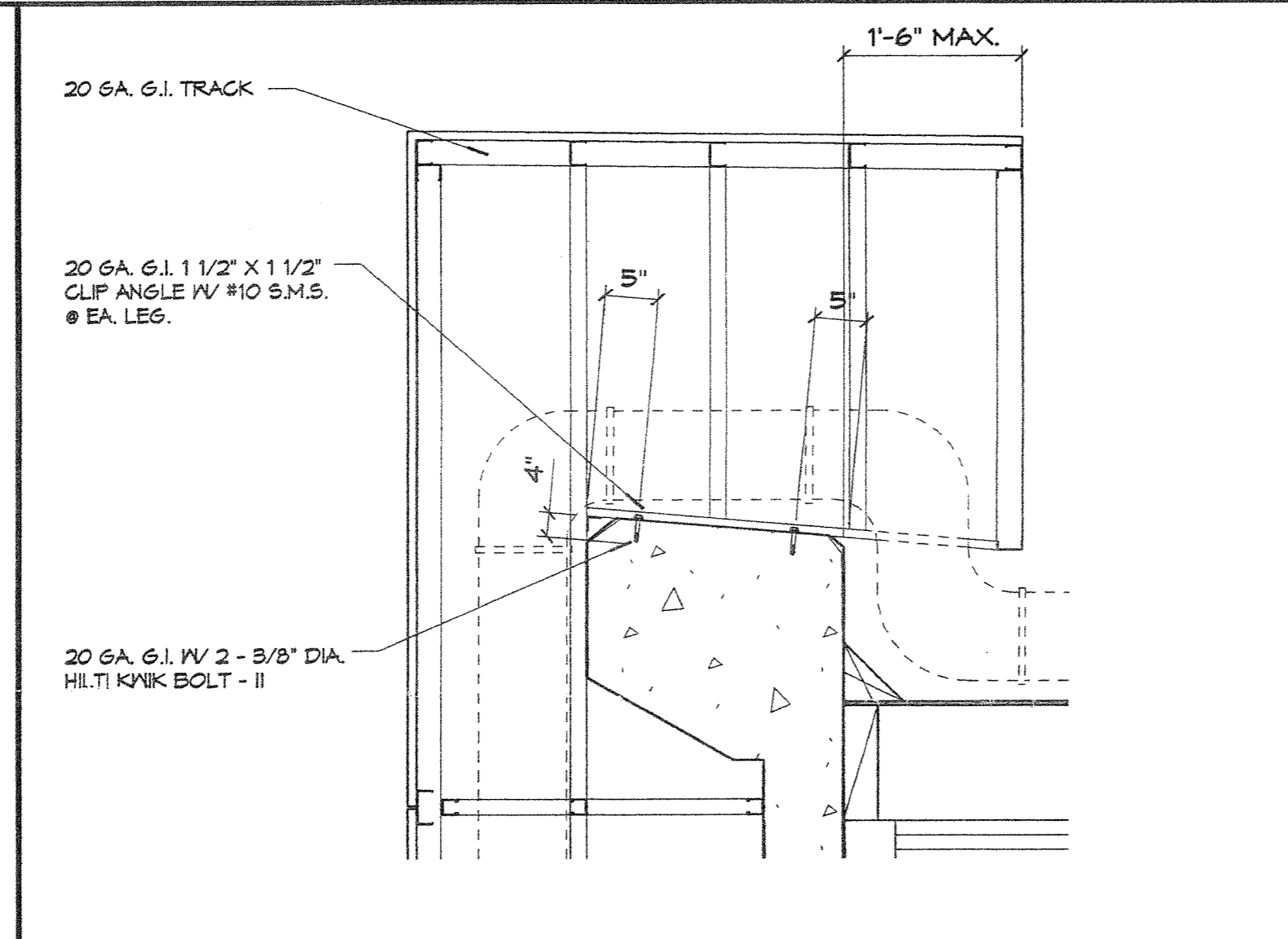
TRAPEZE ELEVATION N8



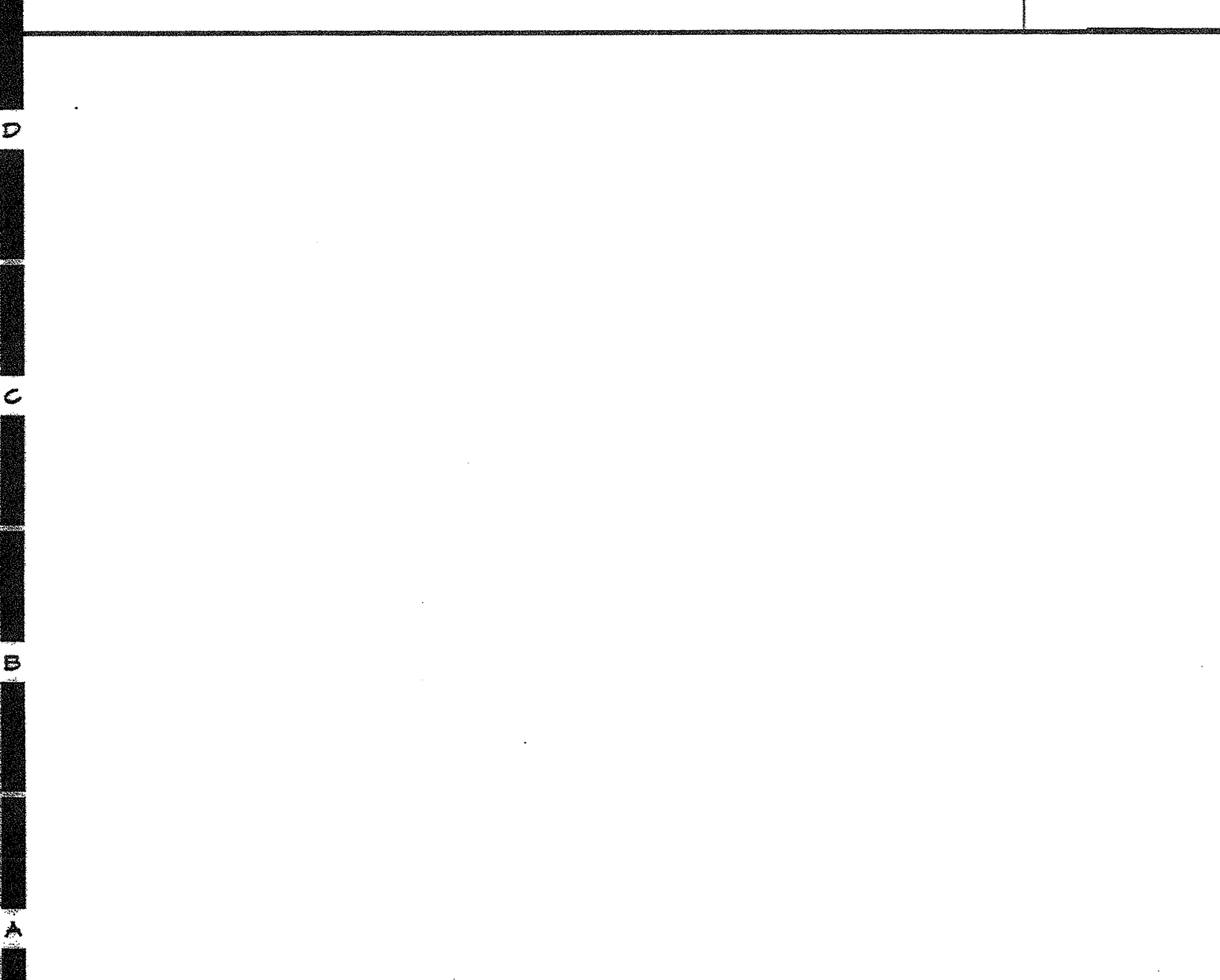
TRAPEZE ELEVATION J8



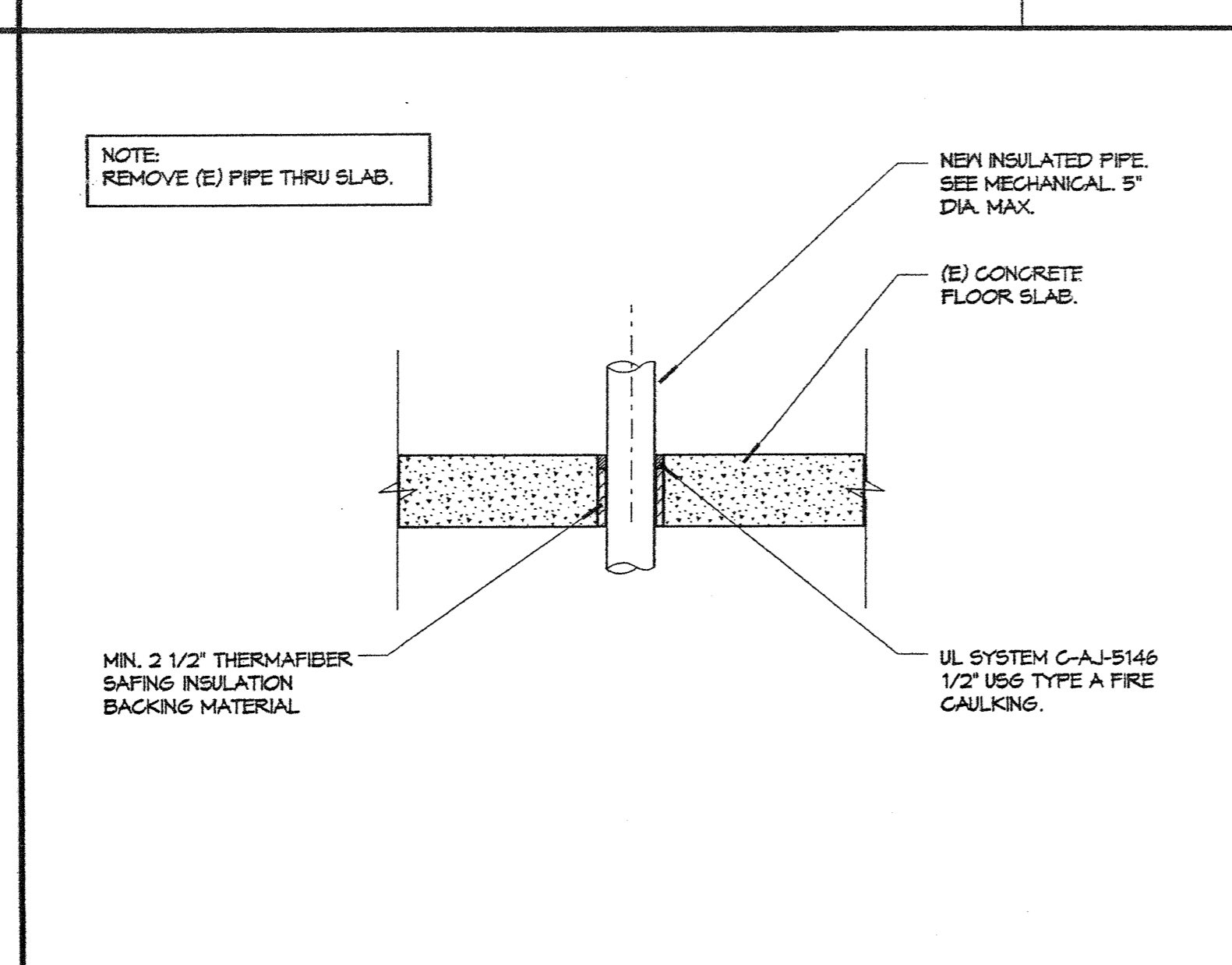
PIPE THRU RATED ROOF DETAIL E4



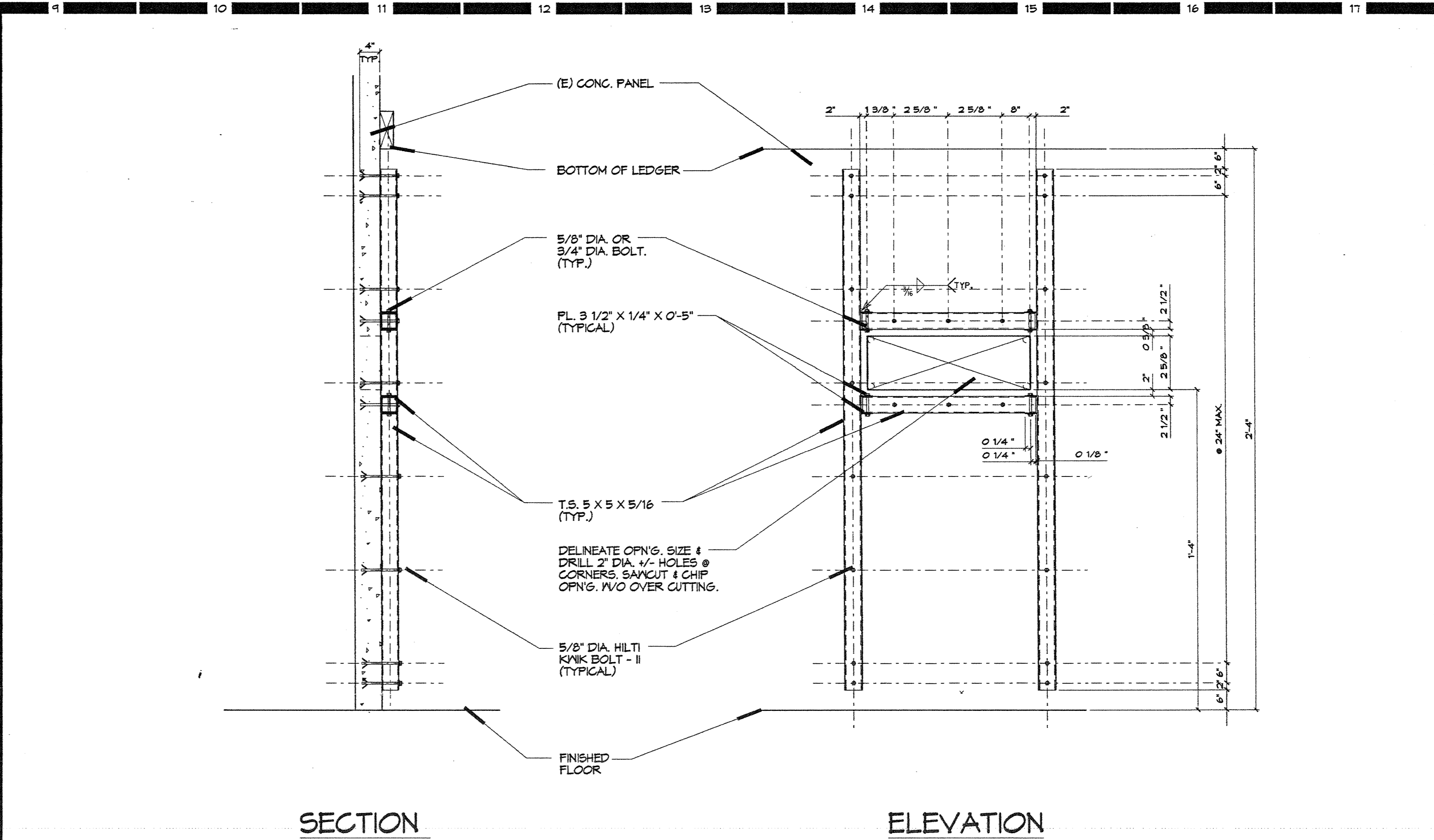
PIPE RUN @ PARAPET E8



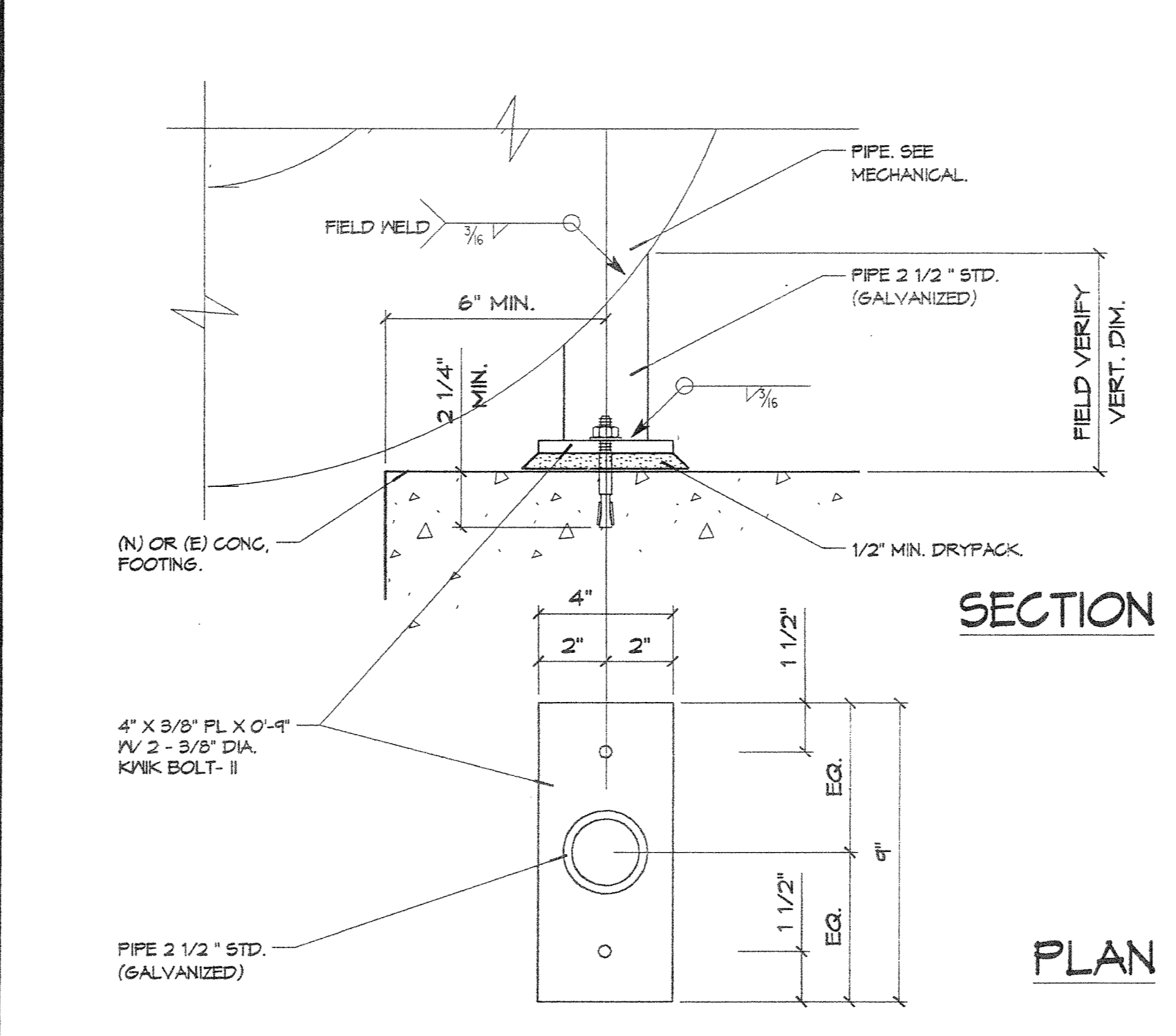
PIPE THRU FLOOR SLAB - BLDG. D @ 2ND FLOOR DTL. A8



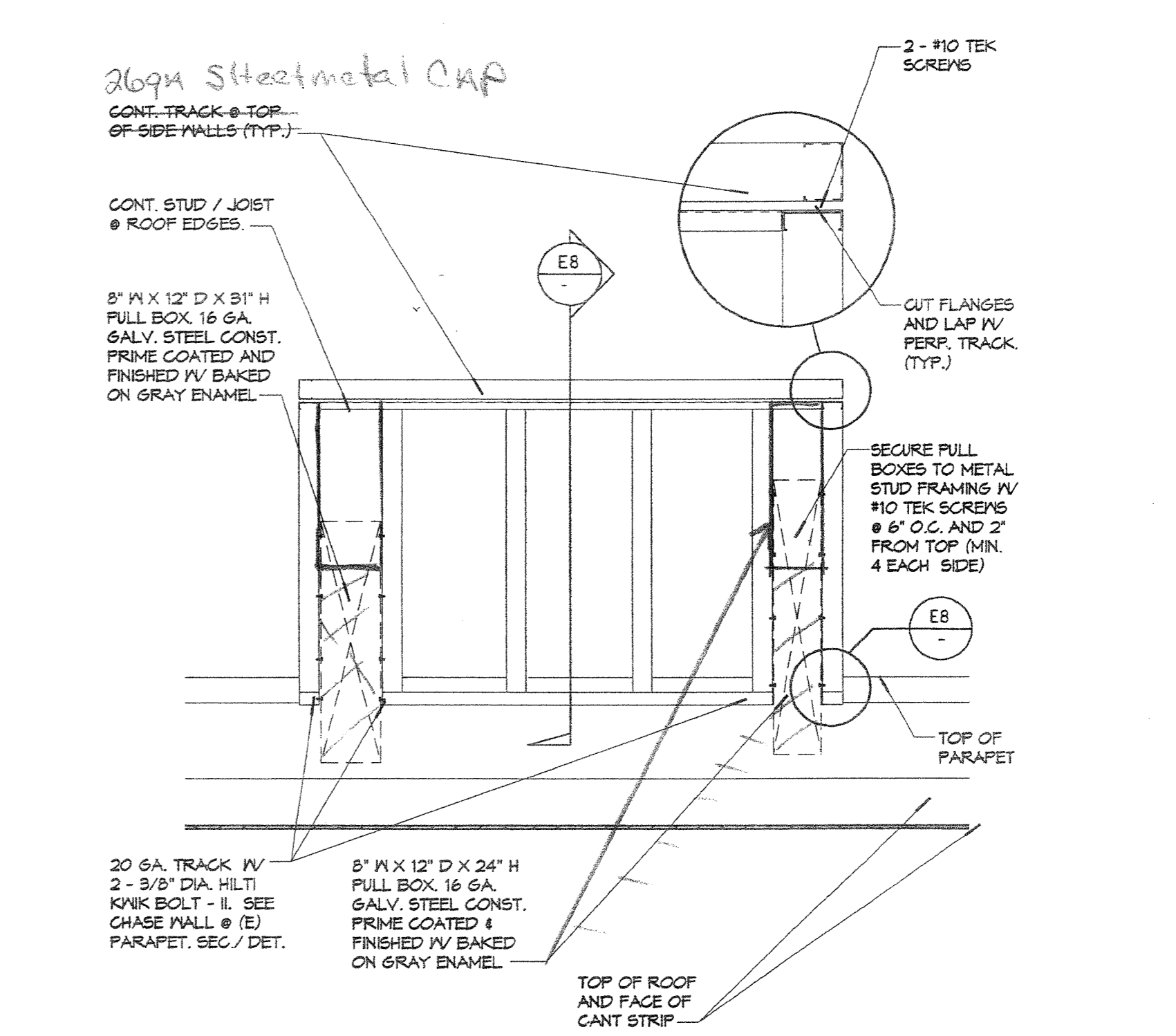
INTERIOR ROUTING - PIPE RUN A13



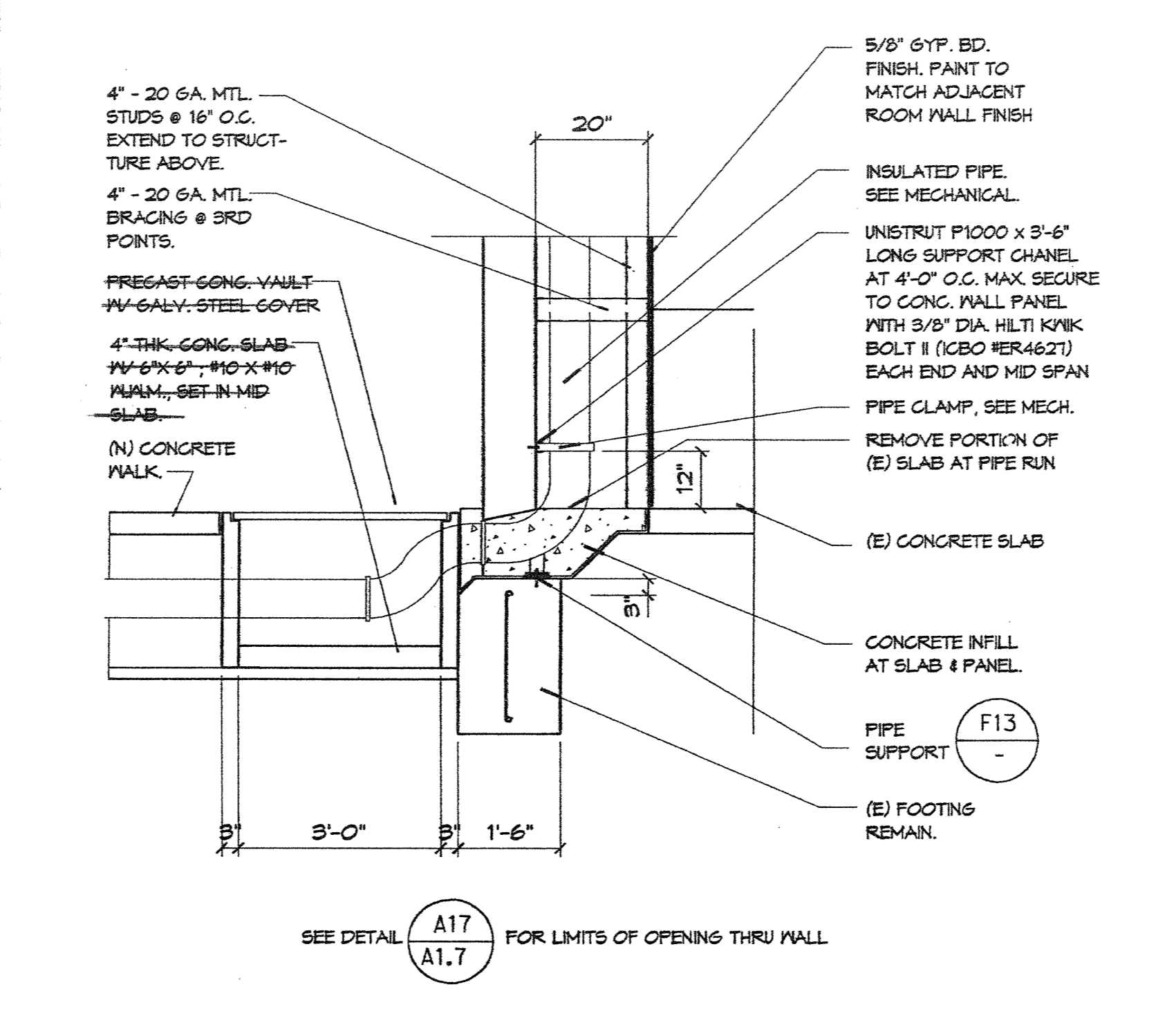
NEW 4'-0" X 1'-4" OPNG. IN (E) CONG. PANEL L17



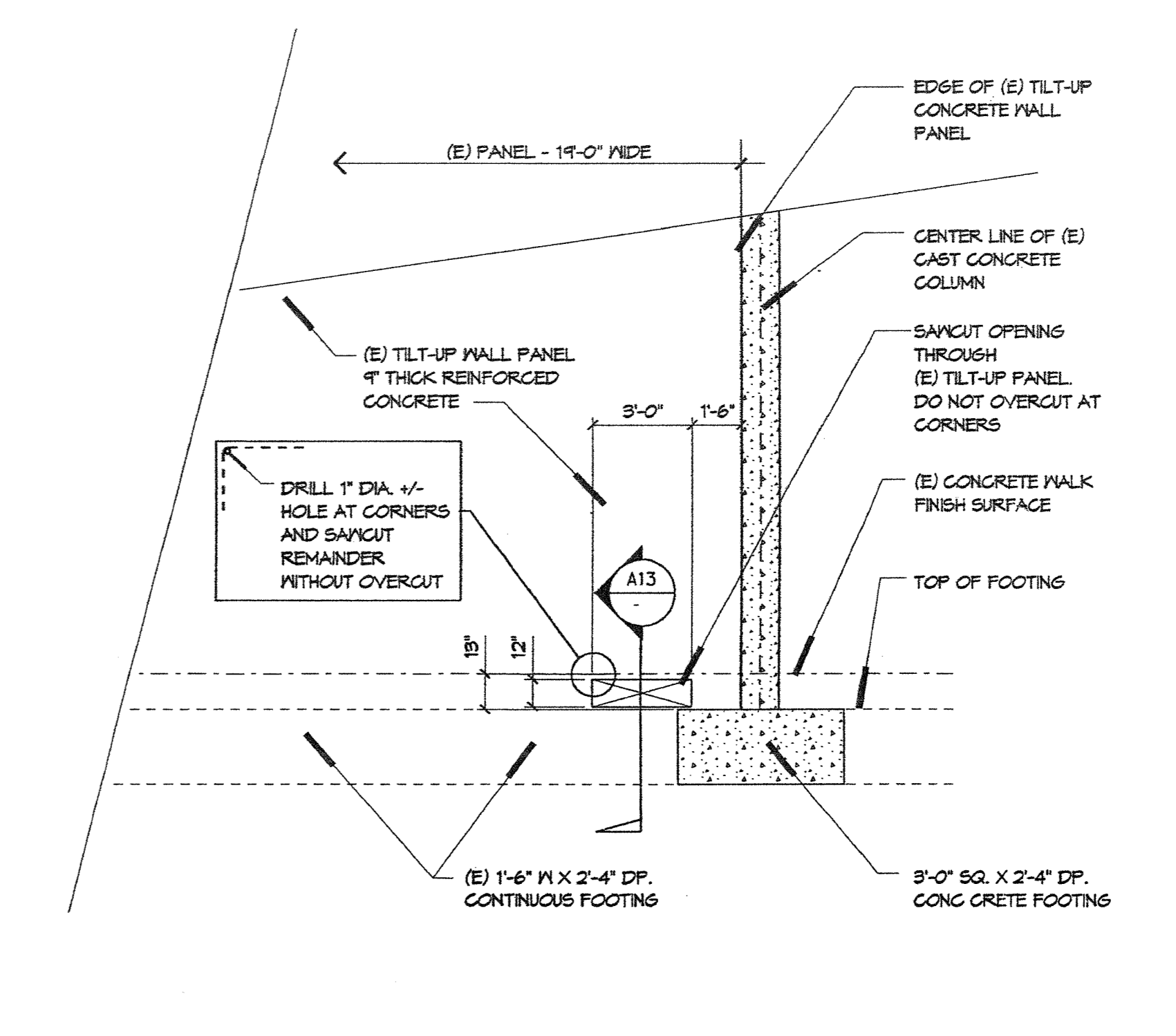
PIPE STAND SUPPORT DETAIL F13



CHASE ELEVATION F17



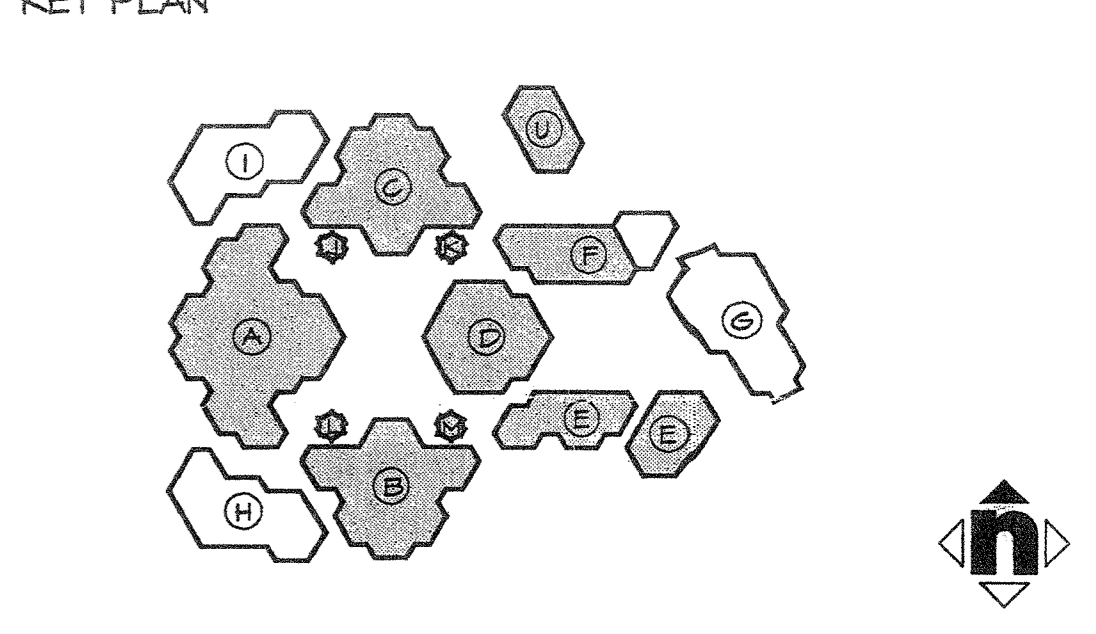
ELEVATION @ SANCUT OPNG. A17



ELEVATION @ SANCUT OPNG. A17

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 04 10 2011
 DATE 5/22/11



Consultant's Seal

IRVINE HIGH SCHOOL
 PHASE III - MODERNIZATION
 REBID FOR CENTRAL UTILITY SYSTEM
 UPGRADE
 4821 MALNUT AVENUE
 IRVINE, CA 92604-2234
 IRVINE UNIFIED SCHOOL DISTRICT

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No. Revisions/Submissions	Date

Drawing Title: **DETAILS**

Designed TH	Project No. 5184005-PS
Drawn AN/RJ	Scale AS NOTED
Checked TH/AN	Drawing No. A1.7
Reviewed TH	Date 04/10/01

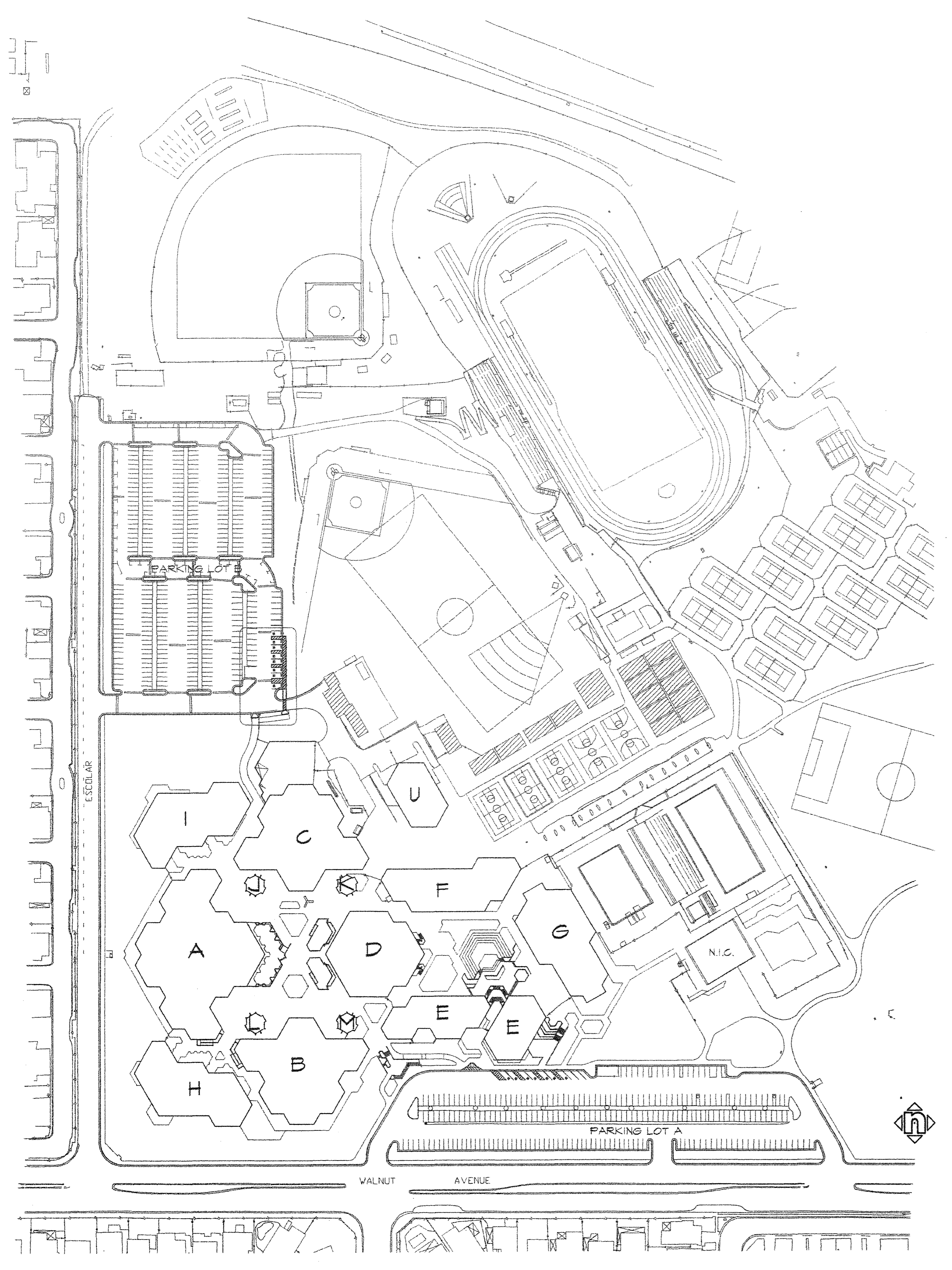
Architect's Seal: **IRVINE ARCHITECTS** (Seal of the State Architect, No. C-20001, Exp. 9-31-01)



IRVINE HIGH SCHOOL PORTION III - MODERNIZATION CENTRAL UTILITY SYSTEM UPGRADE

4321 WALNUT AVENUE
 IRVINE, CA 92604-2239
 IRVINE UNIFIED SCHOOL DISTRICT

SITE PLAN



GENERAL NOTES

- ALL ROUTING IS SCHEMATIC. CONTRACTOR TO FIELD ROUTE ALL PIPING TO CLEAR ALL OBSTRUCTIONS. CONTRACTOR TO INCLUDE ALL OFFSETS AND TRANSITIONS.
 - ENTIRE INSTALLATION SHALL COMPLY WITH ALL GOVERNING CODES AND REGULATIONS.
 - PROVIDE WRITTEN WARRANTY TO REPLACE ALL FAULTY MATERIALS AND/OR LABOR, AT NO COST TO OWNER, FOR A PERIOD OF ONE YEAR FROM DATE OF ACCEPTANCE.
 - ALL PIPE DIMENSIONS SHOWN ARE NOMINAL SIZE.
 - COORDINATE ROUTING AND TRENCH DETAILS WITH ALL CONTRACTORS. A COMMON TRENCH FOR PIPING AND ELECTRICAL IS REQUIRED. FOR TRENCHING REQUIREMENTS, SEE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS.
 - REFER TO ARCHITECTURAL DRAWINGS AND SPECIFICATIONS FOR PIPING/CONDUIT ENCLOSURE CONSTRUCTION AND DETAILS.
 - PROVIDE COMPLETE PIPING INSULATION SYSTEM FOR ALL CHILLED AND HOT WATER PIPING. COMPLY WITH ALL CEC TILT 24 ENERGY REQUIREMENTS FOR PIPING INSULATION.
 - FOR UNDERGROUND AND BUILDING OBSTRUCTIONS, CONTACT DESIGNATED DISTRICT REPRESENTATIVE.
 - AFTER COMPLETION OF WORK AND PRIOR TO FINAL ACCEPTANCE, THOROUGHLY CLEAN THE AREAS AFFECTED BY NEW WORK BY REMOVING ALL DEBRIS AND SURPLUS EQUIPMENT. THESE AREAS MUST BE LEFT IN A CONDITION ACCEPTABLE TO THE OWNER.
- NOTE:**
 FOR THE PURPOSE OF CLEARNESS & LEGIBILITY, THE DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH SIZE AND LOCATIONS OF EQUIPMENT IS DRAWN TO SCALE WHEREVER POSSIBLE, THE CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL OF THE CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION BEFORE ORDERING, FABRICATING, OF INSTALLATION OF ANY MATERIALS.

SEISMIC NOTES

- ALL MECHANICAL EQUIPMENT SHALL BE BRACED OR ANCHORED TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE FOLLOWING CRITERIA:
 FIXED EQUIPMENT ON GRADE = 30% OF OPERATING WEIGHT
 FIXED EQUIP. ON STRUCTURE = 45% OF OPERATING WEIGHT
 EMERGENCY POWER EQUIP. ON GRADE = 40% OF OPERATING WEIGHT
 EMERGENCY POWER EQUIP. ON STRUCTURE = 60% OF OPERATING WEIGHT
 FOR FLEXIBLY MOUNTED EQUIPMENT USE 4 X THE ABOVE VALUES. SIMULTANEOUS VERTICAL FORCE - USE 1/3 X HORIZONTAL FORCE. WHERE ANCHORAGE DETAILS ARE NOT SHOWN ON THE DRAWINGS, THE FIELD INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE MECHANICAL ENGINEER AND THE FIELD REPRESENTATIVE OF OSHPD.
- ALL PIPES, DUCTS, AND CONDUITS SHALL BE SUPPORTED AND BRACED PER OSHPD ANCHORAGE PRE-APPROVAL NO. R-0010, THE SMACNA "GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS AND PLUMBING PIPING SYSTEMS", R-0120 UNISTRUT "SEISMIC BRACING SYSTEMS" OR THE OTHER OSHPD PRE-APPROVED SYSTEM.

SHEET INDEX

M-01	TITLE SHEET, GENERAL NOTES, SHEET INDEX AND PIPING LEGEND
M-1.1D	SITE PLAN - DEMOLITION
M-A1.3D	BUILDING A PARTIAL ROOF PLAN - DEMOLITION
M-A1.4D	BUILDING A PARTIAL ROOF PLAN - DEMOLITION
M-B1.2D	BUILDING B ROOF PLAN - DEMOLITION
M-C1.2D	BUILDING C ROOF PLAN - DEMOLITION
M-D1.3D	BUILDING D ROOF PLAN - DEMOLITION
M-E1.3D	BUILDING E ROOF PLAN - DEMOLITION
M-F1.2D	BUILDING F FLOOR PLAN - DEMOLITION
M-1.1N	SITE PLAN - NEW PIPING
M-A1.3N	BUILDING A PARTIAL ROOF PLAN - NEW PIPING
M-A1.4N	BUILDING A PARTIAL ROOF PLAN - NEW PIPING
M-B1.2N	BUILDING B ROOF PLAN - NEW PIPING
M-C1.2N	BUILDING C ROOF PLAN - NEW PIPING
M-D1.3N	BUILDING D ROOF PLAN - NEW PIPING
M-E1.3N	BUILDING E ROOF PLAN - NEW PIPING
M-F1.2N	BUILDING F FLOOR PLAN - NEW PIPING
M-U1.1N	BUILDING U FLOOR PLAN - NEW PIPING
M-2	SECTIONS AND DETAILS

PIPING LEGEND

SYMBOL	ABBR.	DESCRIPTION
	POC	POINT OF CONNECTION
	POD	POINT OF DISCONNECTION
		REMOVE EXISTING PIPING SHOWN HATCHED
	CHWS	CHILLED WATER SUPPLY
	CHWR	CHILLED WATER RETURN
	HHWS	HEATING HOT WATER SUPPLY
	HHWR	HEATING HOT WATER RETURN
		BALL VALVE
		BUTTERFLY VALVE
		GLOBE VALVE
		GATE VALVE
		DRAIN VALVE
	U.	UNION
	CHWS	CHILLED WATER SUPPLY
	CHWR	CHILLED WATER RETURN
	HHWS	HEATING HOT WATER SUPPLY
	HHWR	HEATING HOT WATER RETURN
	EXIST.	EXISTING
	TYP.	TYPICAL
	DN.	DOWN

AUTOMATIC CONTROL VALVE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	BUILDING A, 4"		BUILDING U, SUPPLY TO LOOP 1, 6"
	BUILDING E, 4" (SERVES BUILDING B)		BUILDING U, SUPPLY TO LOOP 2, 6"
	BUILDING C, 5"		BUILDING D, ADMINISTRATION AHU AUXILIARY CHILLER, 2-1/2"
	BUILDING D, 5"		BUILDING E, THEATER, CHWS, 2-1/2"
	BUILDING E, EAST PORTION AND THEATER, 4"		BUILDING E, THEATER, CHWR, 2-1/2"

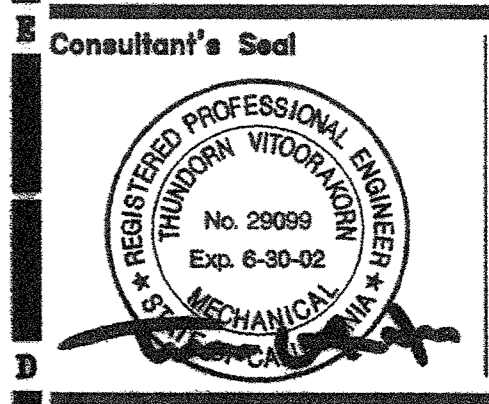
EXPANSION TANK SCHEDULE

SYM	MANUFACTURER/MODEL	DIM.			MOUNTING	SERVICE	OPERATING WEIGHT LBS.	REMARKS
		GAL.	DIA.	LENGTH				
ET 1 & ET 2	WESSEL 12NA33	15	12	33	WALL HORIZ.	HHHW	50	

AS BUILT

D. BURKE MECHANICAL CORPORATION
 LICENSE # 830944

KEY PLAN



FILE NO. _____
 IDENTIFICATION STAMP
 OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 AC _____ FLS _____ SS _____
 DATE _____

**IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)**
 4321 WALNUT AVENUE
 IRVINE, CA 92604-2239
 IRVINE UNIFIED SCHOOL DISTRICT

No.	Revisions/Submissions	Date

Drawing Title
 TITLE SHEET, GENERAL NOTES,
 SHEET INDEX AND PIPING LEGEND

Architect's Seal 	Designed MM	Project No. 3184004
Checked MM	Drawn TH	Scale AS NOTED
Reviewed		Drawing No. M-01
Date 4-10-01		of

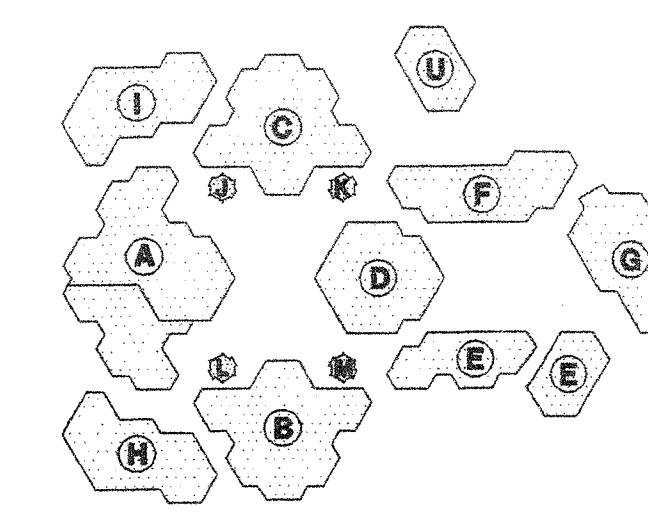
SHEET NOTES:

- ① FOR UNDERGROUND PIPING DEMOLITION, DRAIN, CAP BOTH ENDS AND LEAVE IN PLACE OR REMOVE IF NEW PIPING IS TO BE INSTALLED IN SAME PATH.
- ② UNDERGROUND PIPING ABANDON IN PLACE CAP (ABANDONED) ENDS.
- ③ EXISTING TO REMAIN AS IS.
- ④ CAP ABOVE ROOF WITHIN BUILDING LEAVE EXISTING RISERS.
- ⑤ REMOVE PIPING ABOVE GRADE IN BUILDING, CAP REMAINING PIPING.
- ⑥ REMOVE EXISTING RISERS AND COVER OUTSIDE OF BUILDING TO BELOW GRADE, CAP REMAINING PIPING BELOW GRADE.
- ⑦ CAP OUTSIDE OF RISER LEAVE EXISTING RISERS WITHIN BUILDING WALLS.

AS BUILT

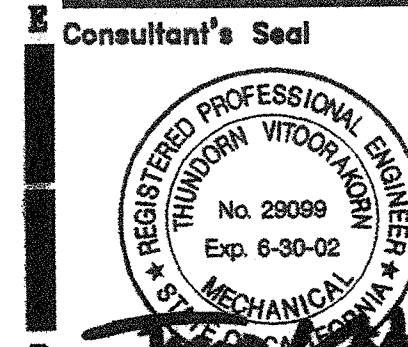
D. BURKE MECHANICAL CORPORATION
 LICENSE # 65894

KEY PLAN



NOTE:
 UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER THE DIVISION OF THE STATE ARCHITECT.

THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT, SHALL CONFORM TO C.C.R. TITLE 24, 1998 CBC SECTION 1632A AND TABLE 16A-0. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON THE PLANS.



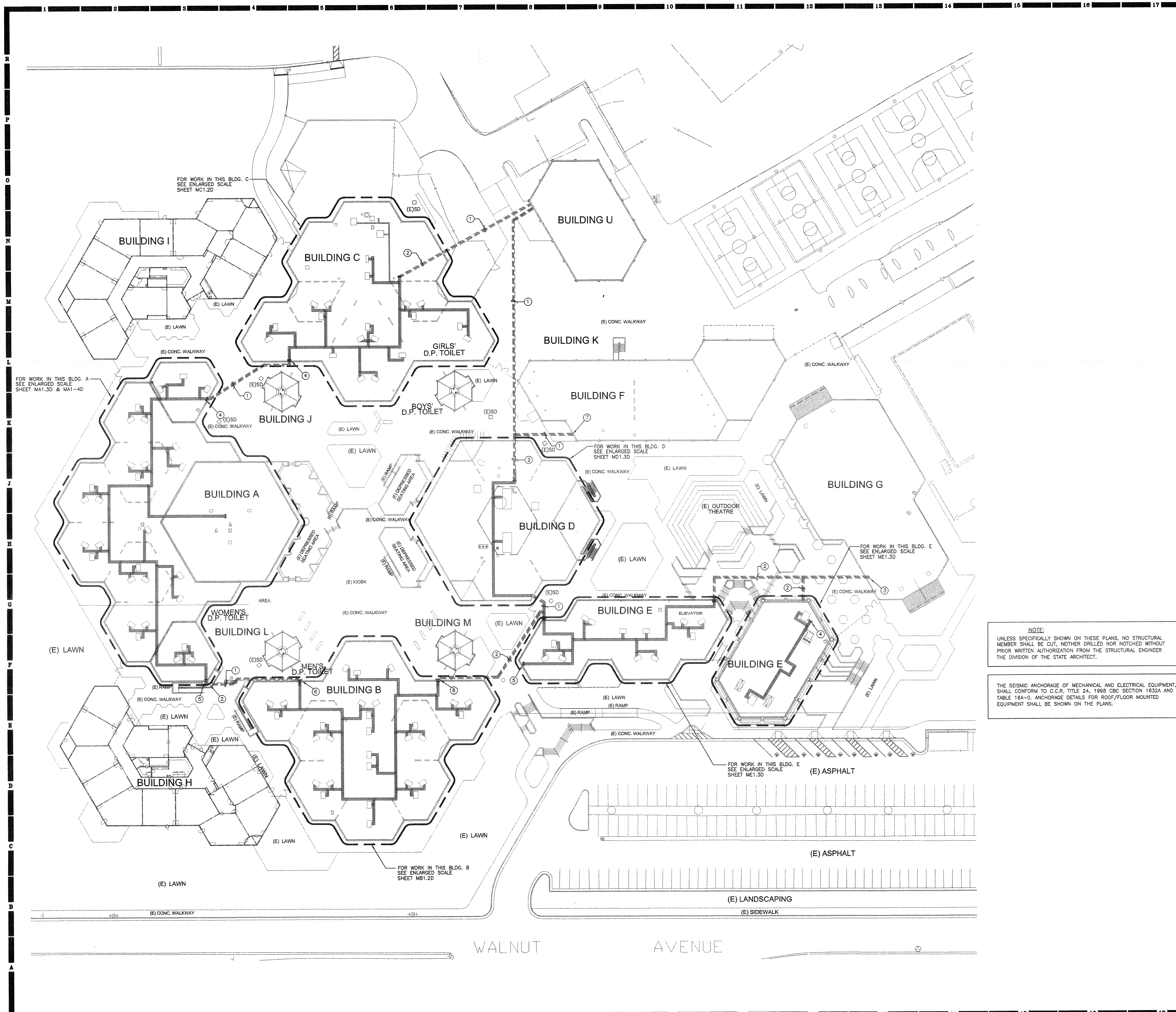
FILE No. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 AC _____ FLS _____ SS _____
 DATE _____

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)
 4801 WALNUT AVENUE
 IRVINE, CA 92604-2294
 IRVINE UNIFIED SCHOOL DISTRICT

HMC GROUP 1997		
No	Revisions/Submissions	Date

Drawing Title
SITE PLAN - DEMOLITION

Architect's Seal 	Designed M.M. Drawn TH Checked MM Reviewed _____ Date 4-10-01	Project No. 3184004 Scale 1" = 30' Drawing No. M-1.1D of
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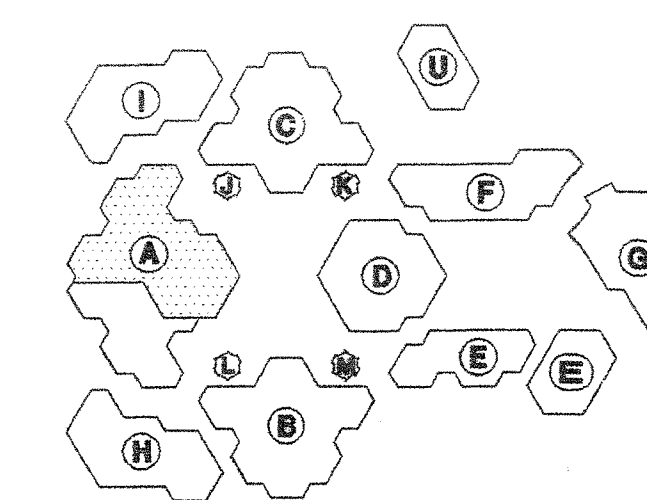
WALNUT AVENUE

SHEET NOTES:

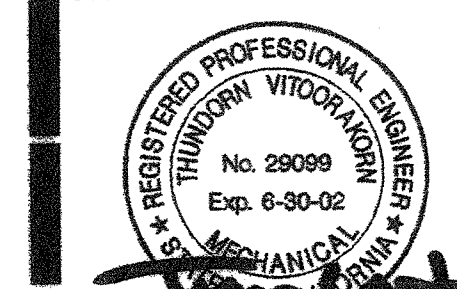
- ① EXISTING AH-1 TO REMAIN.
- ② EXISTING AH-17 TO REMAIN.
- ③ EXISTING EXHAUST FAN TO REMAIN.

AS BUILT
 O. BUJDA MECHANICAL CORPORATION
 LICENSE # 659944

KEY PLAN



Consultant's Seal



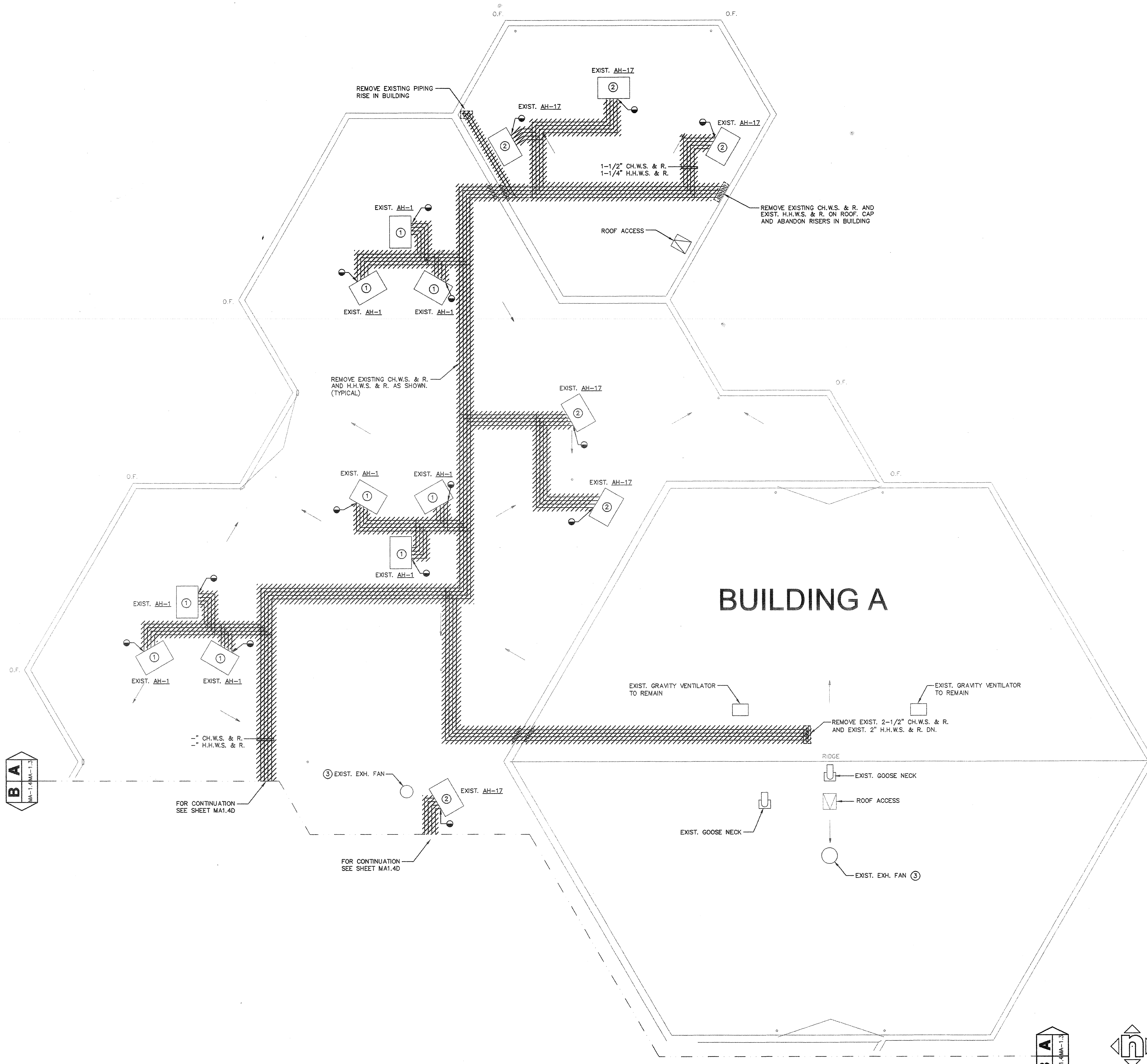
FILE NO. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 AC _____ FLS _____ SS _____
 DATE _____

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-EXD)
 4921 WALNUT AVENUE
 IRVINE, CA 92604-2294
 IRVINE UNIFIED SCHOOL DISTRICT

©HMC GROUP 1997		
No	Revisions/Submissions	Date

Drawing Title
BUILDING A PARTIAL ROOF PLAN - DEMOLITION

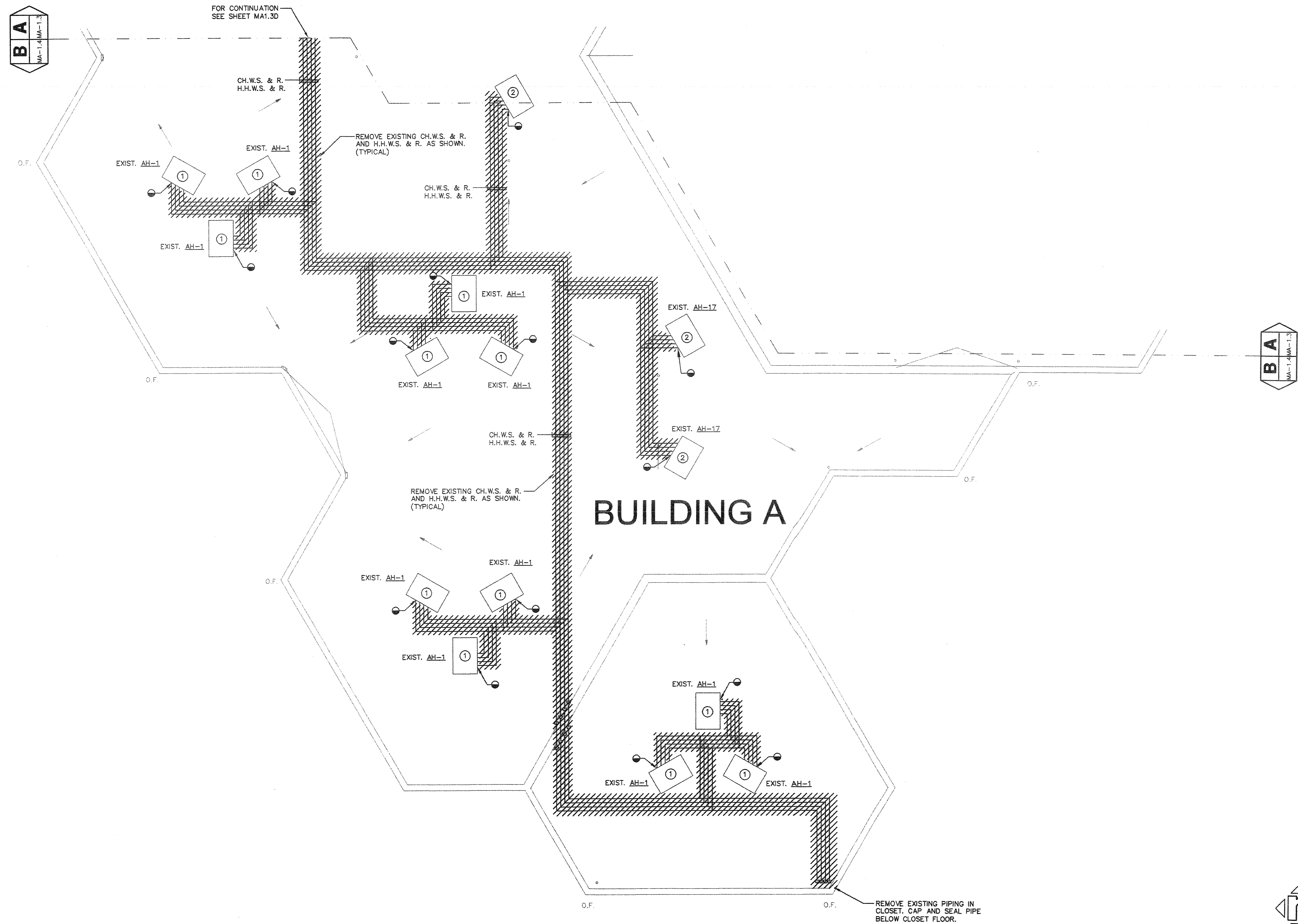
Architect's Seal 	Designed TH	Project No 3184004
Drawn TH	Scale AS NOTED	Checked MM
Reviewed	Drawing No MA1.3D	Date 4-10-01



BUILDING A PARTIAL ROOF PLAN - DEMOLITION A14
 1/8"=1'-0"

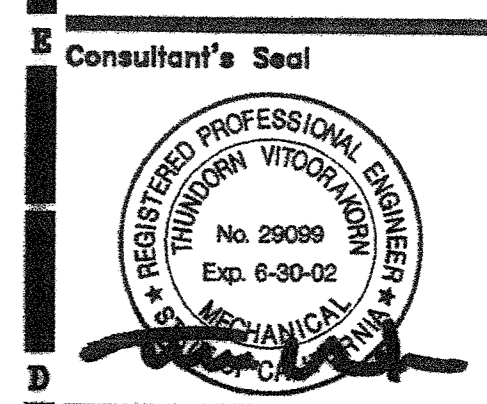
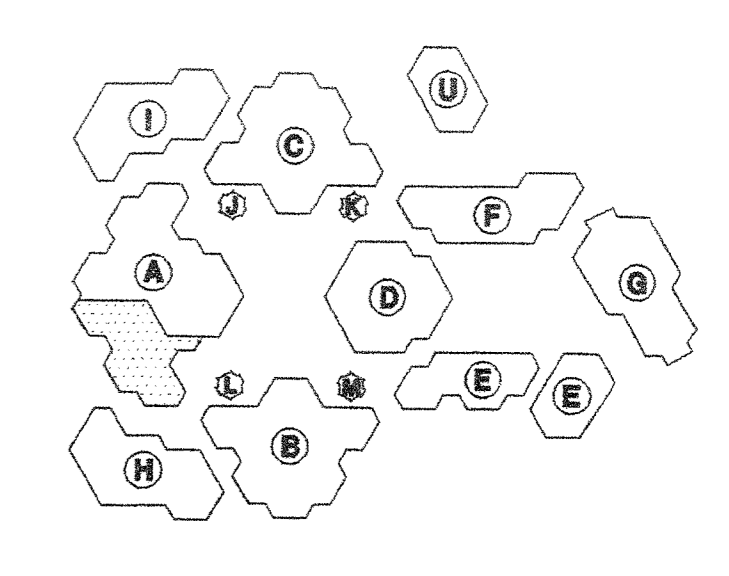
SHEET NOTES:

- ① EXISTING AH-1 TO REMAIN.
- ② EXISTING AH-17 TO REMAIN.
- ③ ALL EXISTING EXHAUST FAN TO REMAIN.



AS BUILT
 G. BURKE MECHANICAL CORPORATION
 LICENSE # 652944

KEY PLAN



FILE No. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 No. _____ Exp. 6-30-02
 DATE _____

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2284
 IRVINE UNIFIED SCHOOL DISTRICT

HMC GROUP 1997		
No	Revisions/Submissions	Date

Drawing Title
BUILDING A PARTIAL ROOF PLAN - DEMOLITION

Architect's Seal 	Designed TH	Project No 3184004
Drawn TH	Scale AS NOTED	Checked MM
Reviewed	Drawing No MA1.4D	Date 4-10-01

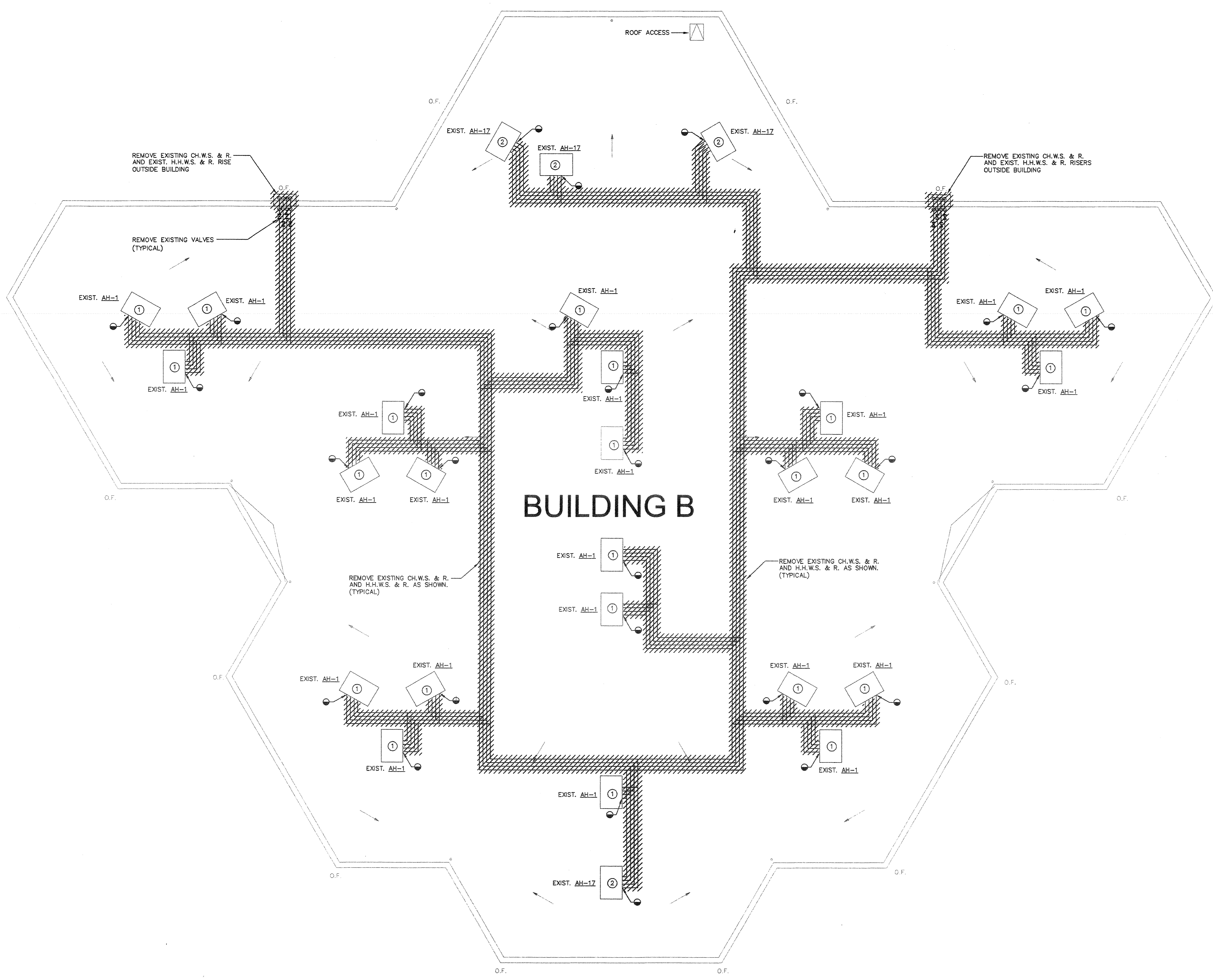
BUILDING A PARTIAL ROOF PLAN - DEMOLITION

A14

1/8"=1'-0"

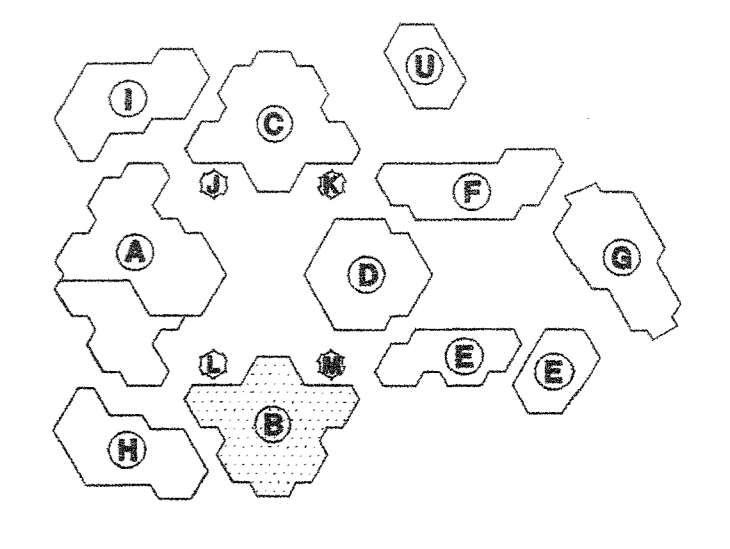
SHEET NOTES:

- ① EXISTING AH-1 TO REMAIN.
- ② EXISTING AH-17 TO REMAIN.
- ③ ALL EXISTING EXHAUST FAN TO REMAIN.

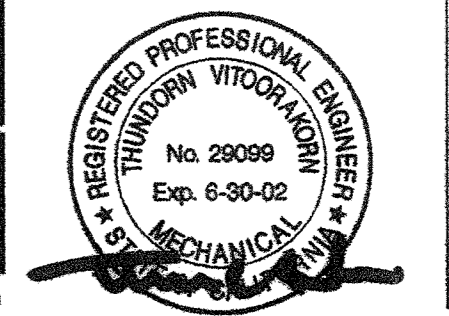


AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 618544

KEY PLAN



Consultant's Seal



IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES

APPL

DATE: _____ FILE: _____ SS: _____

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2239
 IRVINE UNIFIED SCHOOL DISTRICT

HMC GROUP 1997		
No	Revisions/Submissions	Date

Drawing Title
BUILDING B ROOF PLAN - DEMOLITION

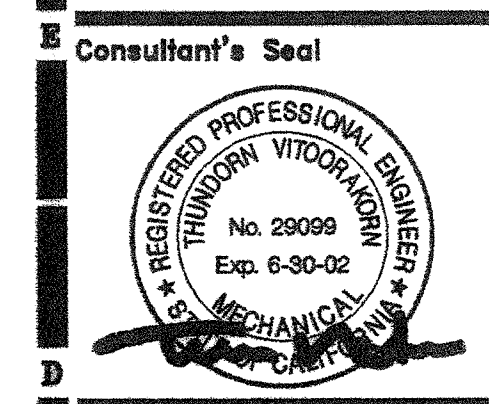
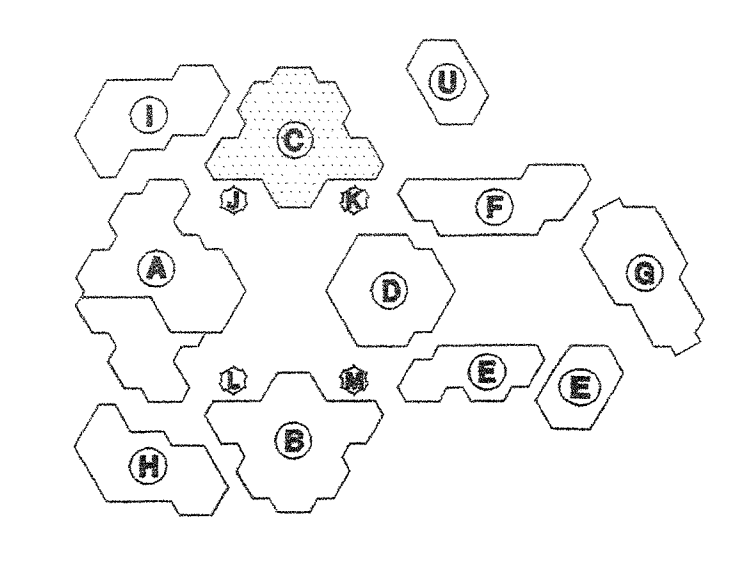
Architect's Seal 	Designed TH	Project No 3184004
	Drawn TH	Scale AS NOTED
	Checked MM	Drawing No MB1.2D
	Reviewed	Date 4-10-01
	Date 4-10-01	of

SHEET NOTES:

- ① EXISTING AH-1 TO REMAIN.
- ② EXISTING AH-17 TO REMAIN.
- ③ EXISTING AH-4 TO REMAIN.
- ④ EXISTING AH-6 TO REMAIN.
- ⑤ EXISTING UH-1 TO REMAIN.
- ⑥ EXISTING EXHAUST FAN TO REMAIN.

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944

KEY PLAN



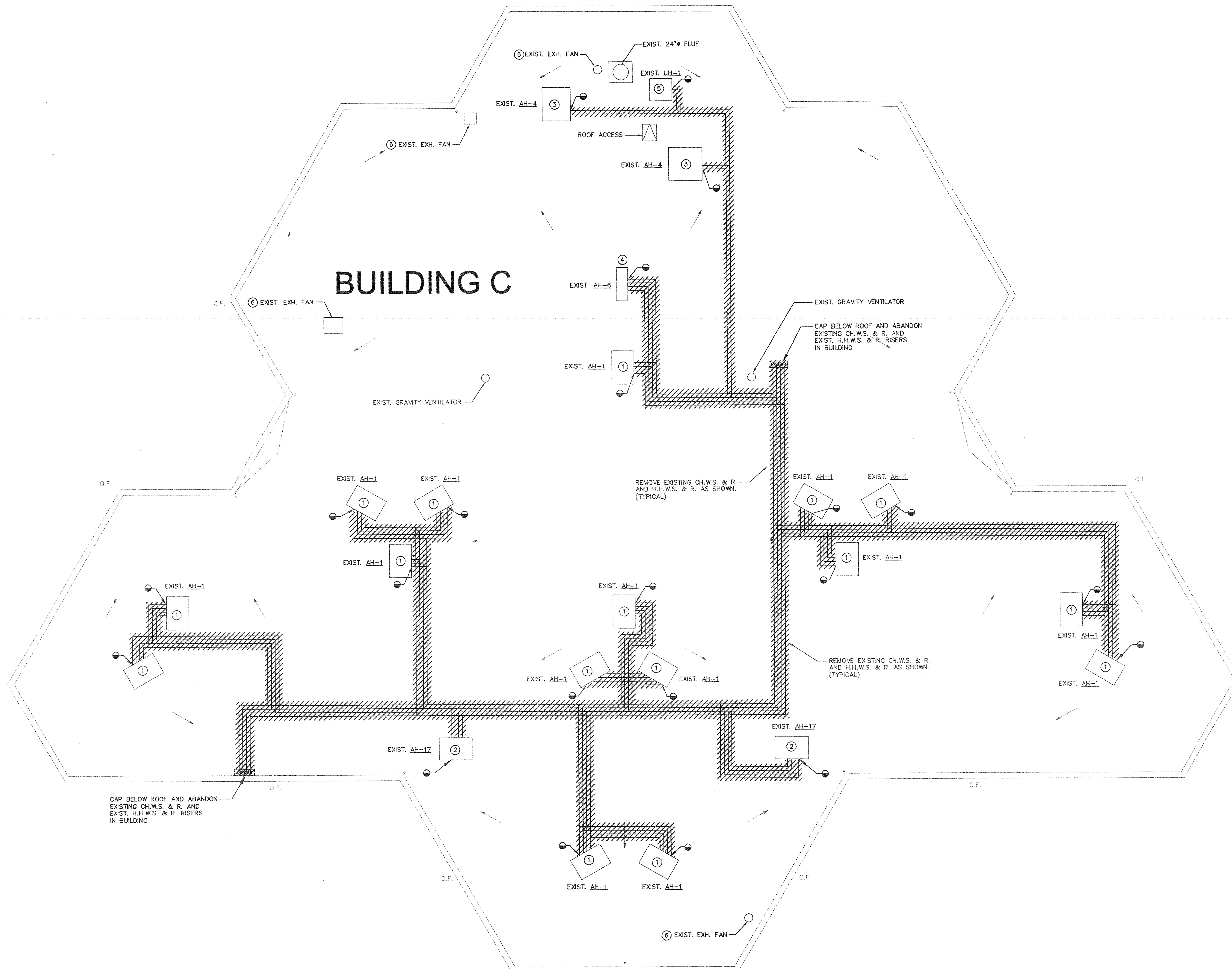
FILE NO. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 IC _____ FLS _____ SS _____
 DATE _____

**IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)**
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2284
 IRVINE UNIFIED SCHOOL DISTRICT

©HMC GROUP 1997		
No	Revisions/Submissions	Date

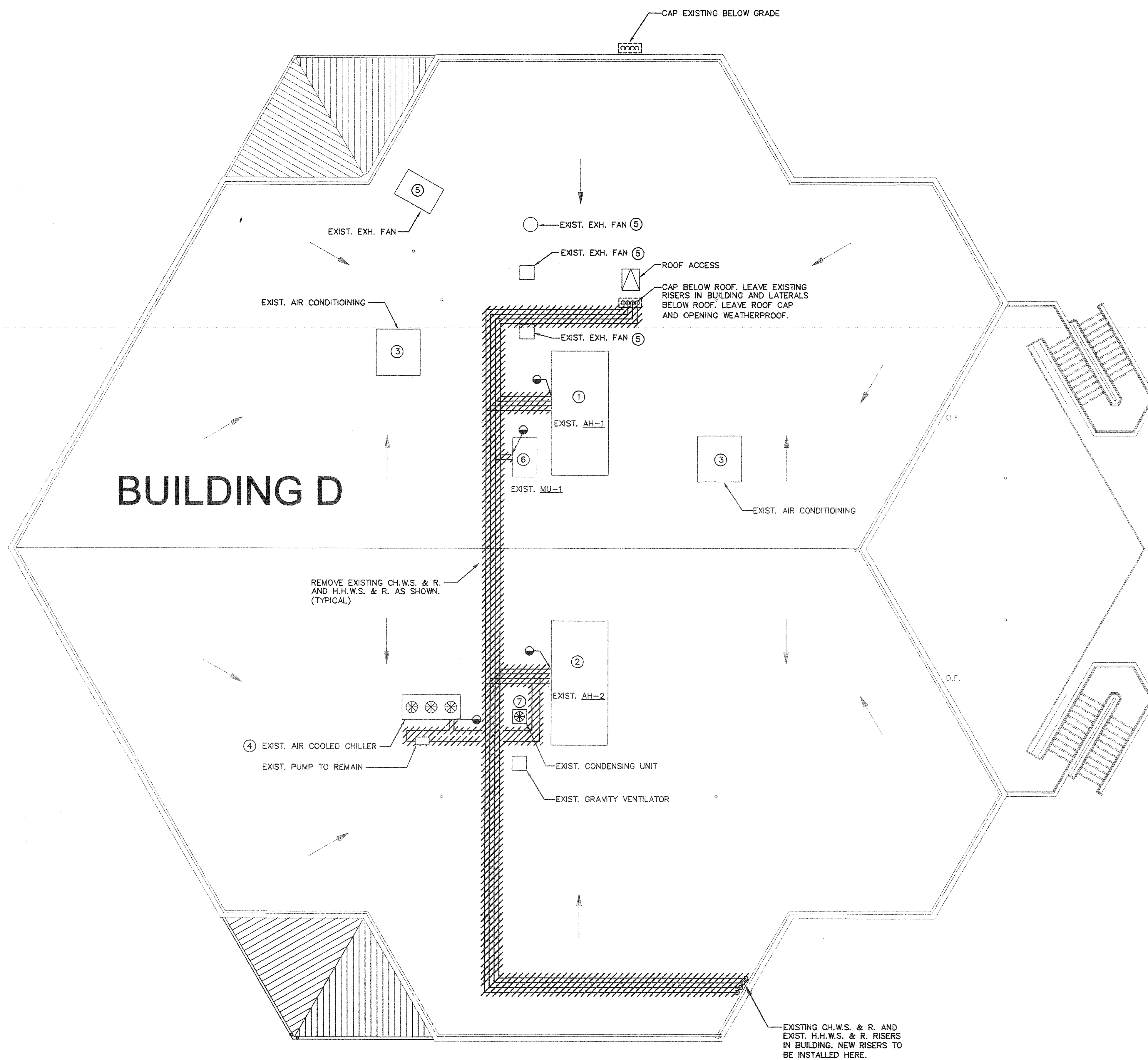
Drawing Title
BUILDING C ROOF PLAN-DEMOLITION

Architect's Seal 	Designed TH	Project No. 3184004
	Drawn TH	Scale AS NOTED
	Checked MM	Drawing No. MC1.2D
	Reviewed	Date 4-10-01
		of



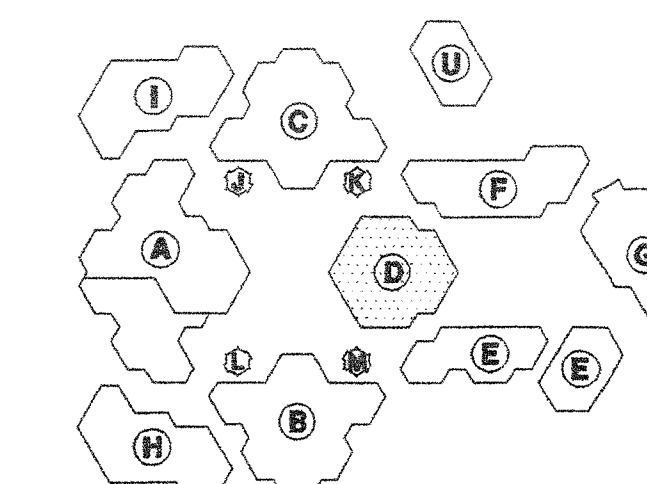
SHEET NOTES:

- ① EXISTING AH-1 TO REMAIN.
- ② EXISTING AH-2 TO REMAIN.
- ③ EXISTING AIR CONDITIONING TO REMAIN.
- ④ EXISTING AIR COOLED CHILLER AND PUMP TO REMAIN.
- ⑤ EXISTING EXHAUST FAN TO REMAIN.
- ⑥ EXISTING MU-1 TO REMAIN.
- ⑦ EXISTING CONDENSING UNIT TO REMAIN.

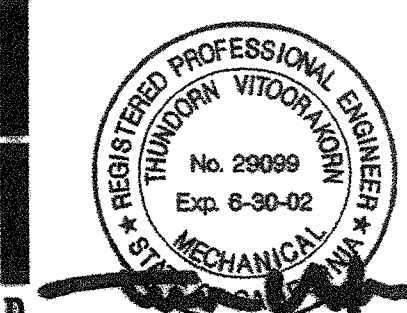


AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944

KEY PLAN



Consultant's Seal



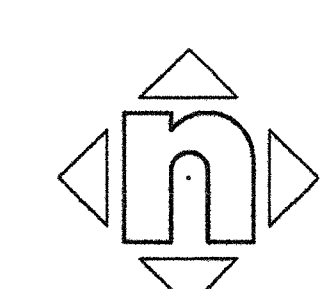
FILE NO. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 DATE _____

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2294
 IRVINE UNIFIED SCHOOL DISTRICT

©HMC GROUP 1997		
No	Revisions/Submissions	Date

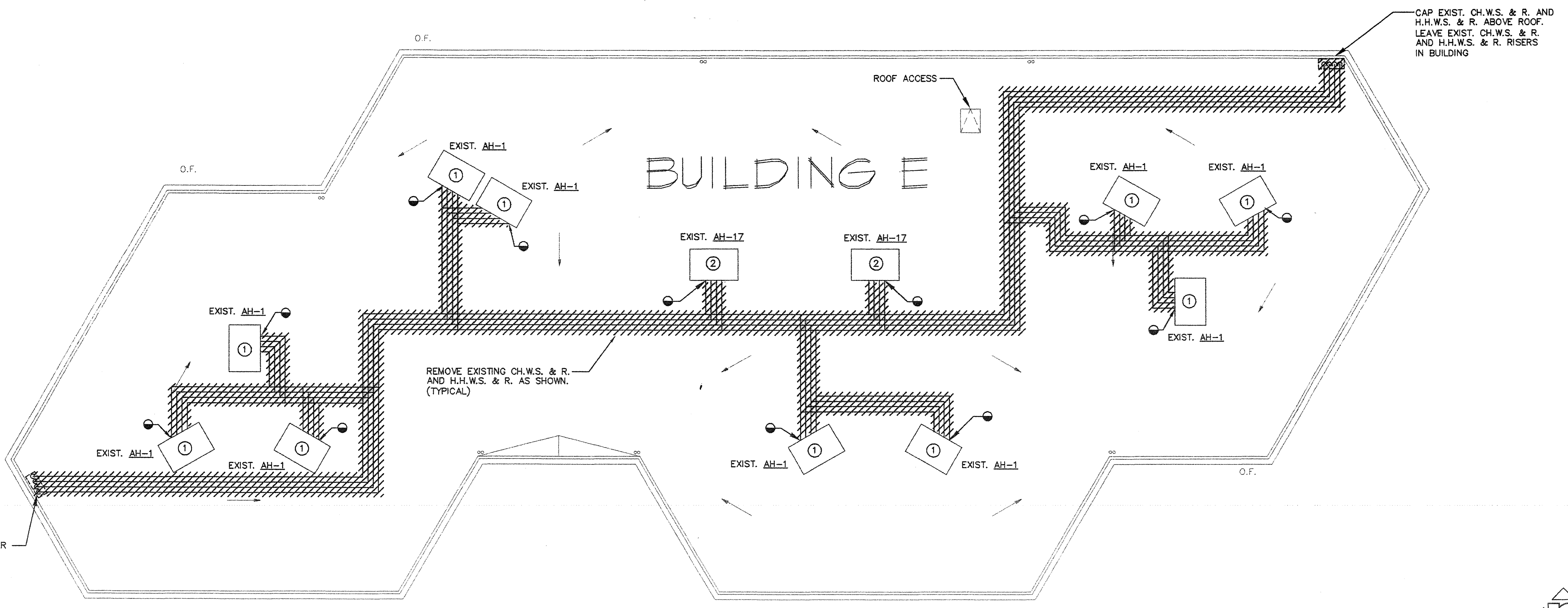
Drawing Title
BUILDING D ROOF PLAN - DEMOLITION

Architect's Seal 	Designed TV Drawn TV Checked MM Reviewed Date 4-10-01	Project No 3184004 Scale AS NOTED Drawing No MD1.3D of
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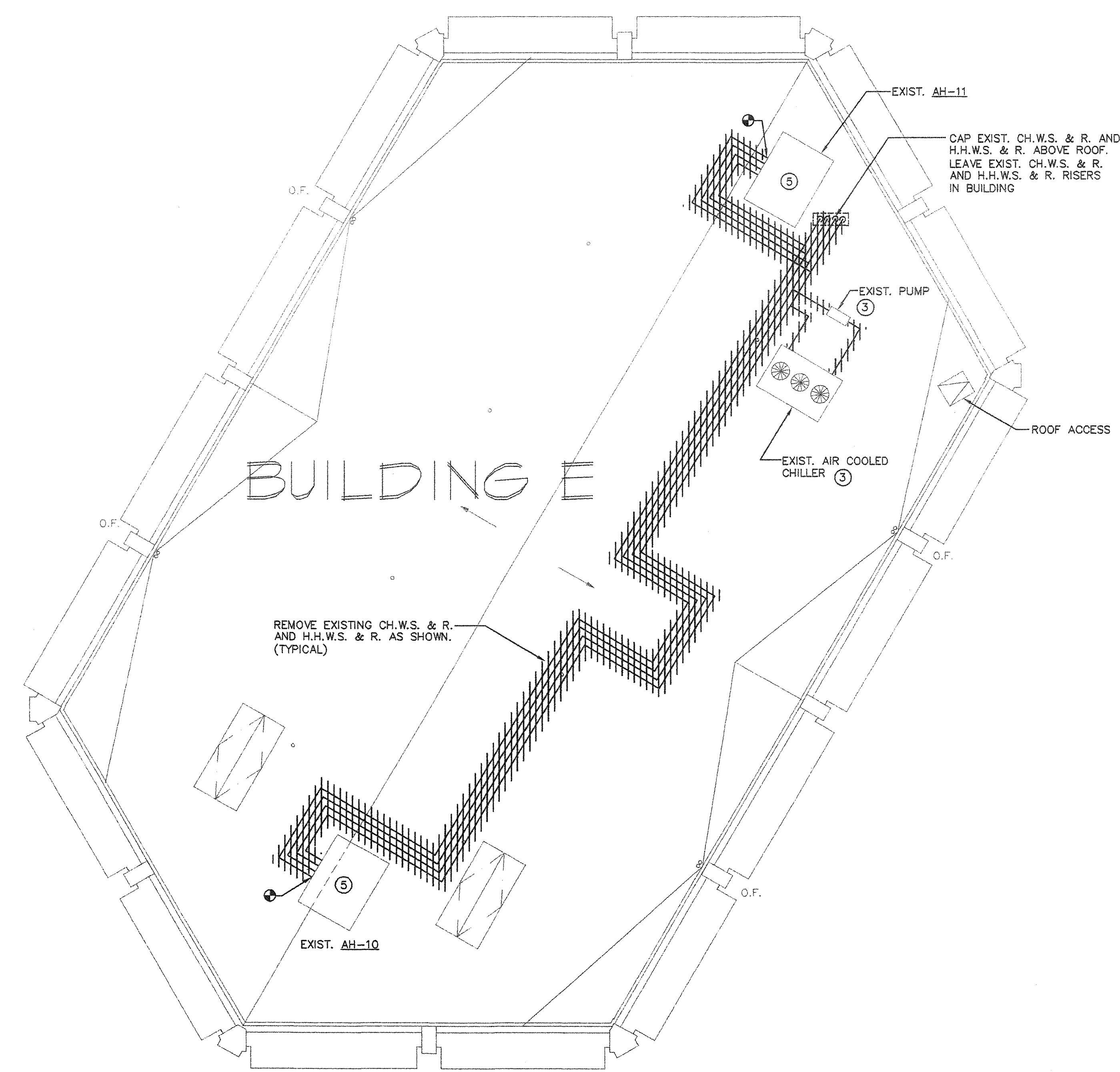
SHEET NOTES:

- ① EXISTING AH-1 TO REMAIN.
- ② EXISTING AH-17 TO REMAIN.
- ③ EXISTING AIR COOLED CHILLER AND PUMP TO REMAIN.
- ④ EXISTING EXHAUST FAN TO REMAIN.
- ⑤ EXISTING AIR HANDLING UNIT TO REMAIN.



BUILDING E ROOF PLAN - DEMOLITION A14

1/8"=1'-0"

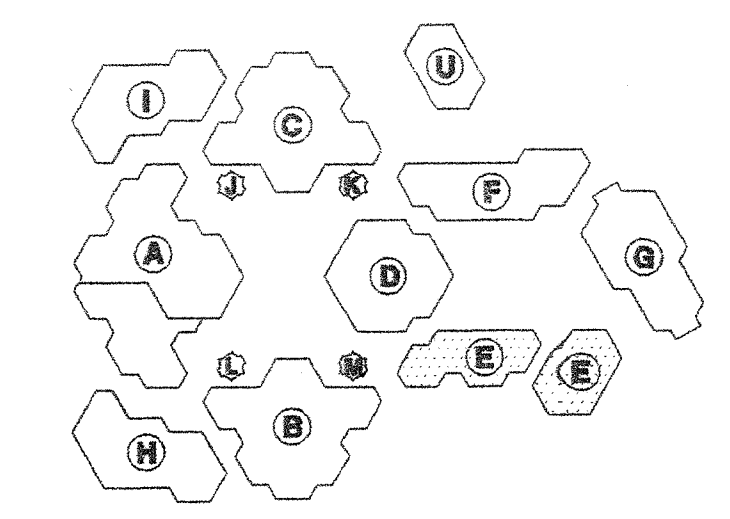


BUILDING E ROOF PLAN - DEMOLITION A14

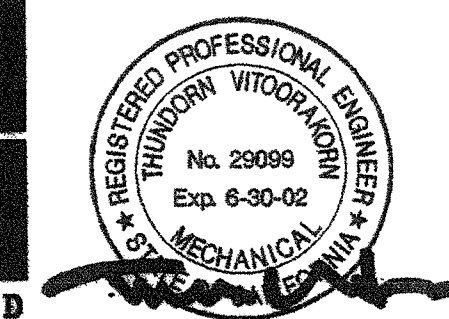
1/8"=1'-0"

AS BUILT
 O. BURVE MECHANICAL CORPORATION
 LICENSE # 554944

KEY PLAN



Consultant's Seal



FILE No. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 DATE _____



IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-210)
 4821 HALUT AVENUE
 IRVINE, CA 92604-2294
 IRVINE UNIFIED SCHOOL DISTRICT

No.	Revisions/Submissions	Date

Drawing Title
 BUILDING E ROOF PLAN-DEMOLITION

Architect's Seal	Designed TH	Project No 3184004
Drawn TH	Scale AS NOTED	
Checked MM	Drawing No ME1.3D	
Reviewed	Date 4-10-01	

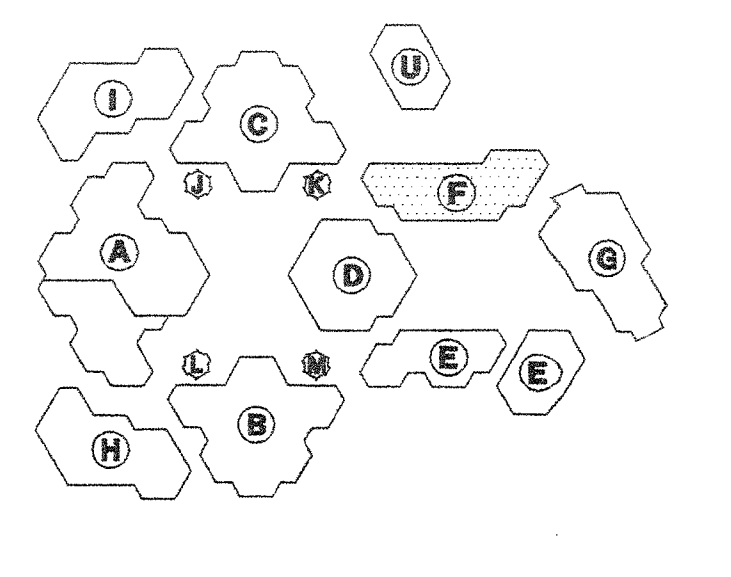
ME1.3D

SHEET NOTES:

- ⑤ EXISTING AIR HANDLING UNIT TO REMAIN.

AS BUILT
 D. GURME MECHANICAL CORPORATION
 LICENSE # 58894

KEY PLAN



Consultant's Seal



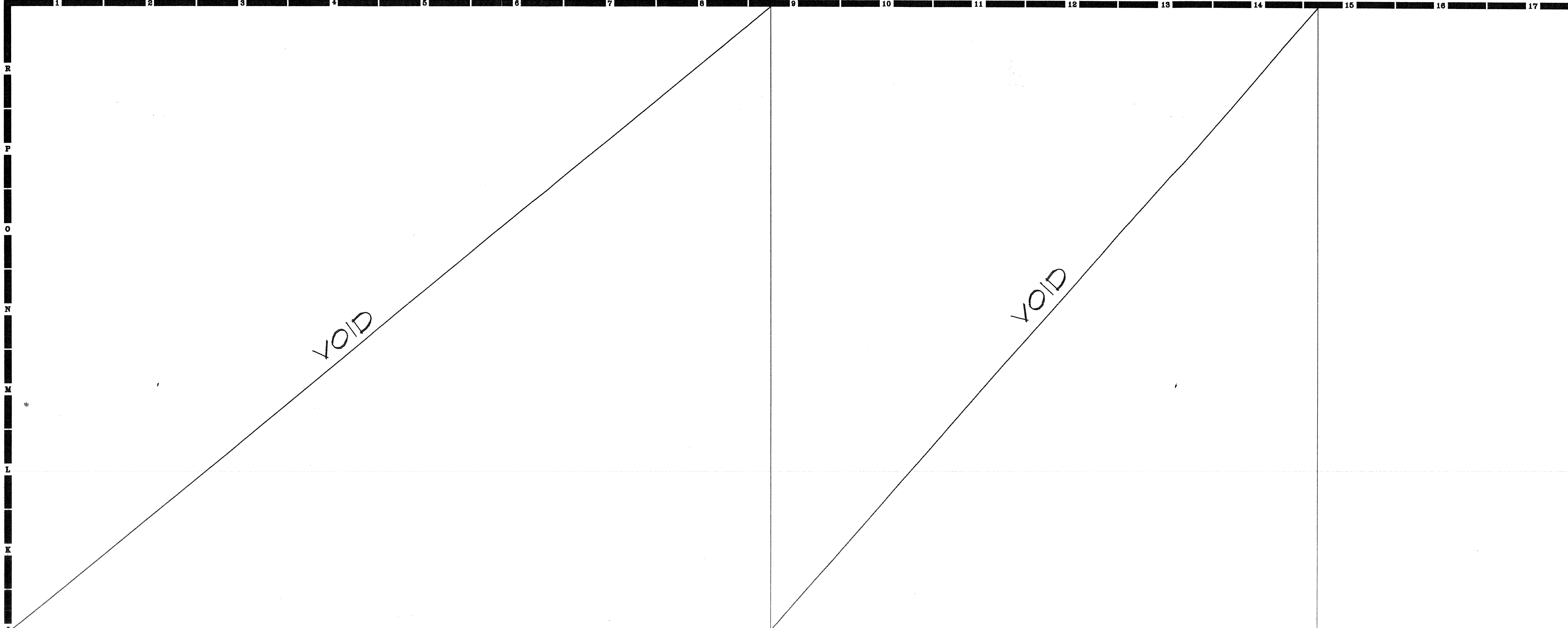
FILE No. _____
 IDENTIFICATION STAMP
 OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 AC _____ FLS _____ SS _____
 DATE _____

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)
 4821 HALNUT AVENUE
 IRVINE, CA 92604-2294
 IRVINE UNIFIED SCHOOL DISTRICT

No	Revisions/Submissions	Date

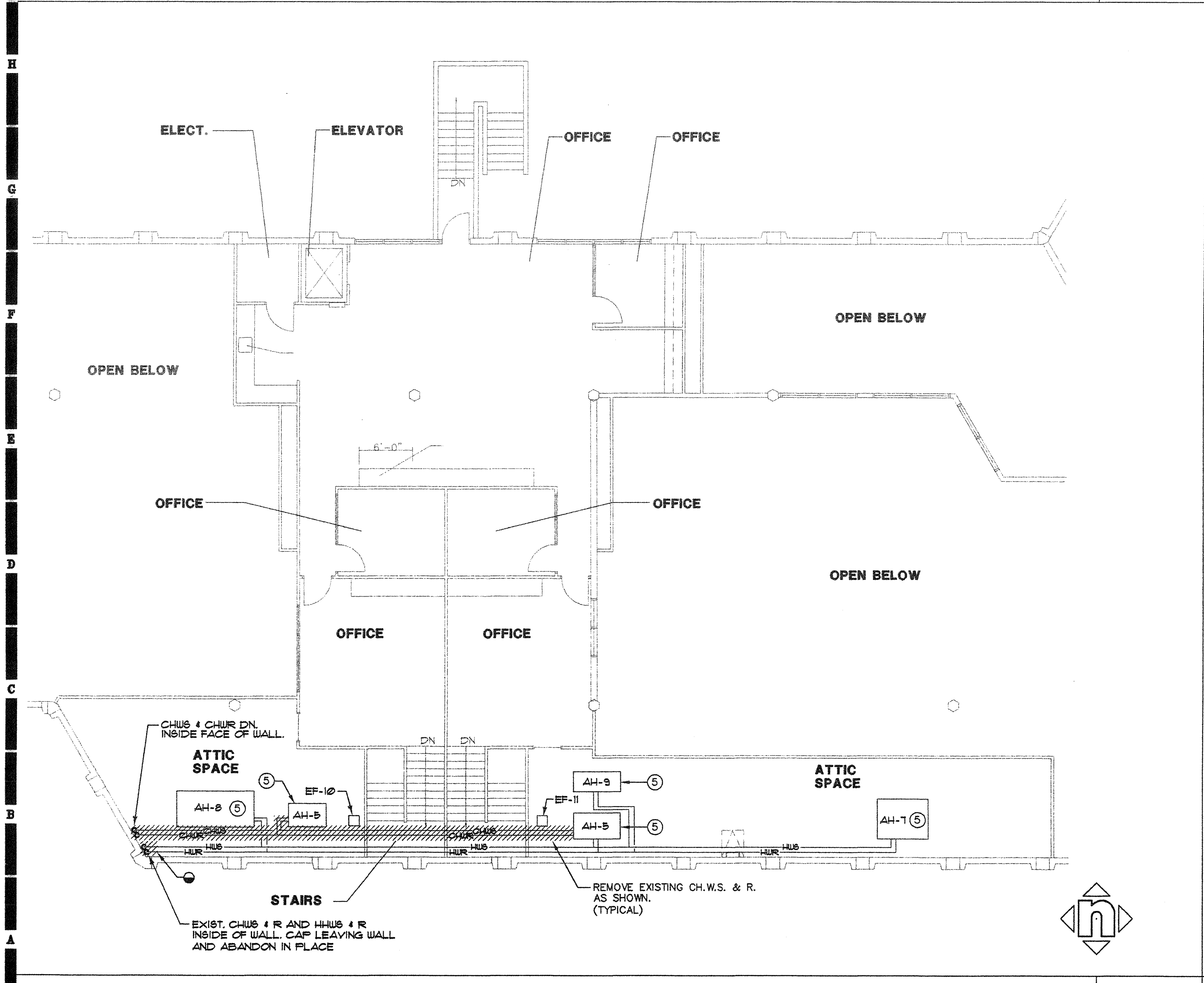
Drawing Title
BUILDING F FLOOR PLAN-DEMOLITION

Architect's Seal KEVIN M. WILKSEY NO. C-20601 REG. 3-31-01 STATE OF CALIFORNIA	Designed TH	Project No 3184004
	Drawn TH	Scale AS NOTED
	Checked MM	Drawing No MF1.2D
	Reviewed	Date 4-10-01

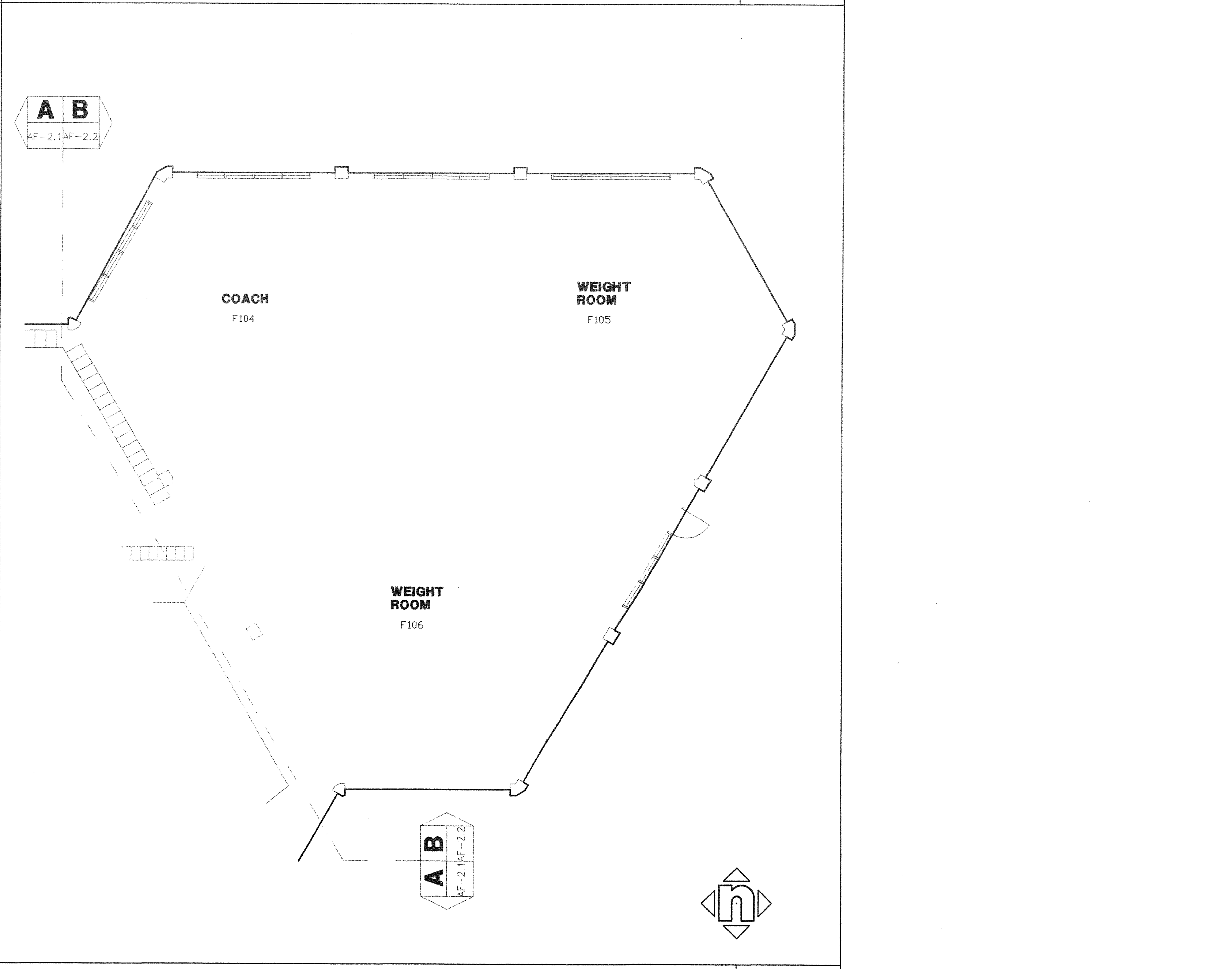


J7
 1/8"=1'-0"

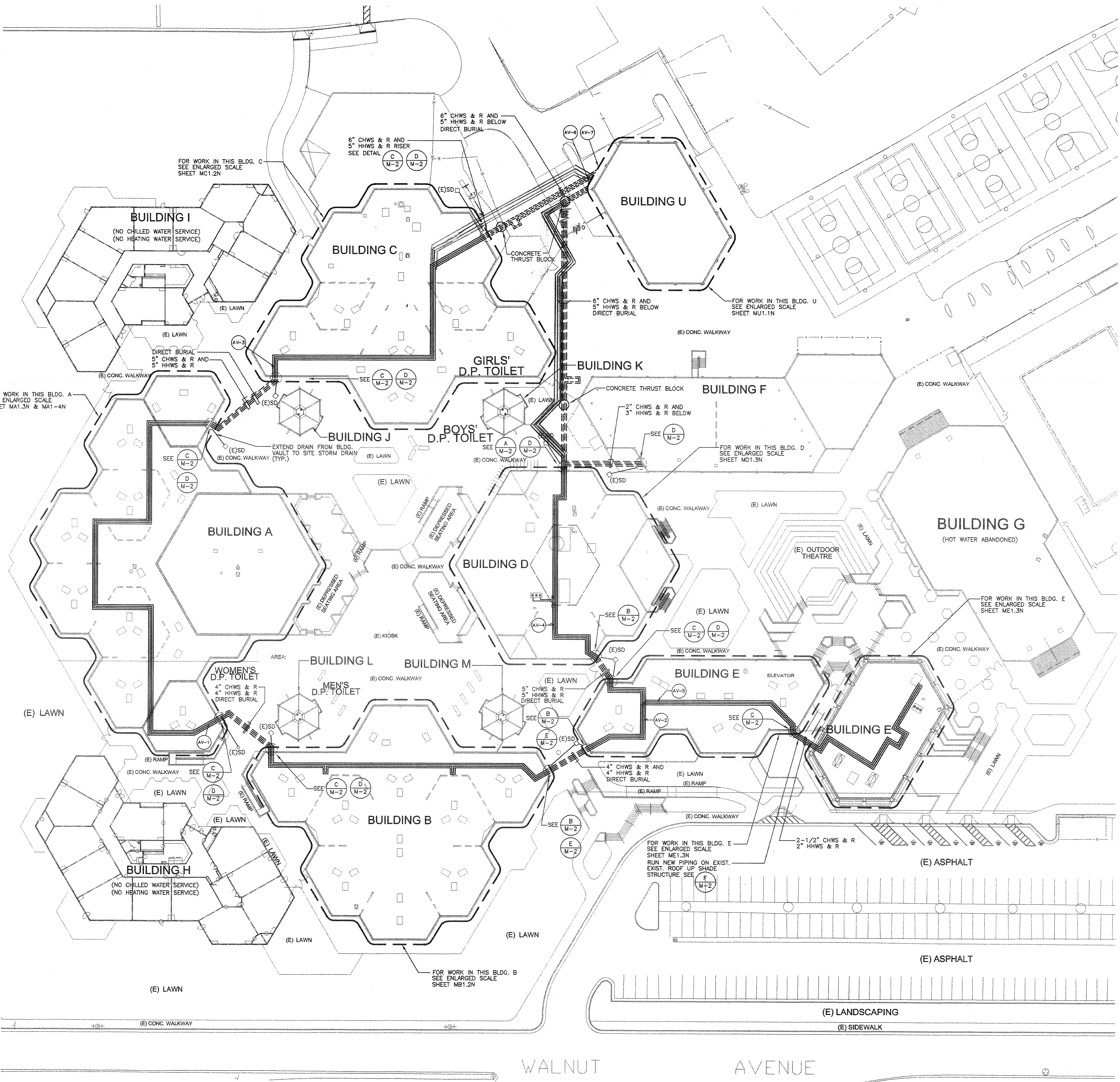
J14
 1/8"=1'-0"



BUILDING F SECOND FLOOR PLAN - DEMOLITION
A7
 1/8"=1'-0"



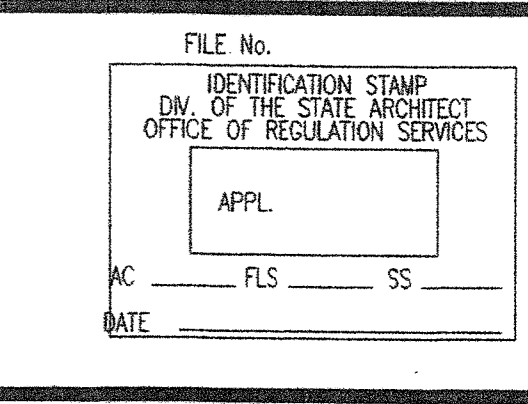
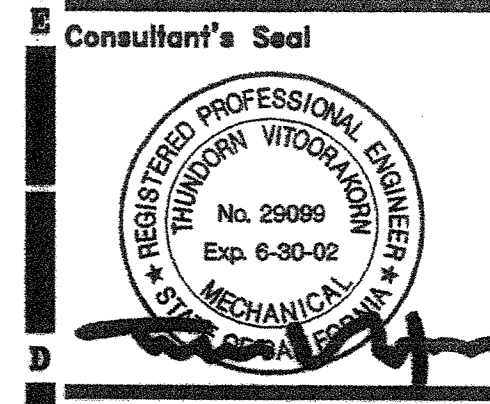
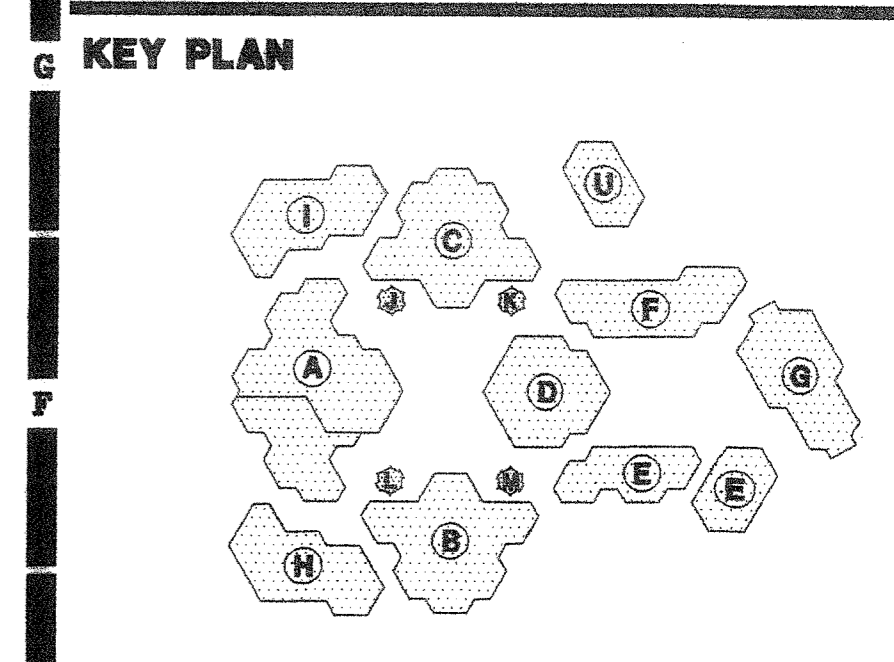
BUILDING F GROUND FLOOR PLAN
A14
 1/8"=1'-0"



ADD THIS NOTE:
 UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER THE DIVISION OF THE STATE ARCHITECT.

THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT, SHALL CONFORM TO C.C.R. TITLE 24, 1998 CBC SECTION 1632A AND TABLE 16A-0. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON THE PLANS.

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 638944



IRVINE HIGH SCHOOL
FORTION III - MODERNIZATION
CENTRAL UTILITY SYSTEM
UPGRADE (RE-UID)
 4521 HALNITT AVENUE
 IRVINE, CA 92614-2234
 IRVINE UNIFIED SCHOOL DISTRICT

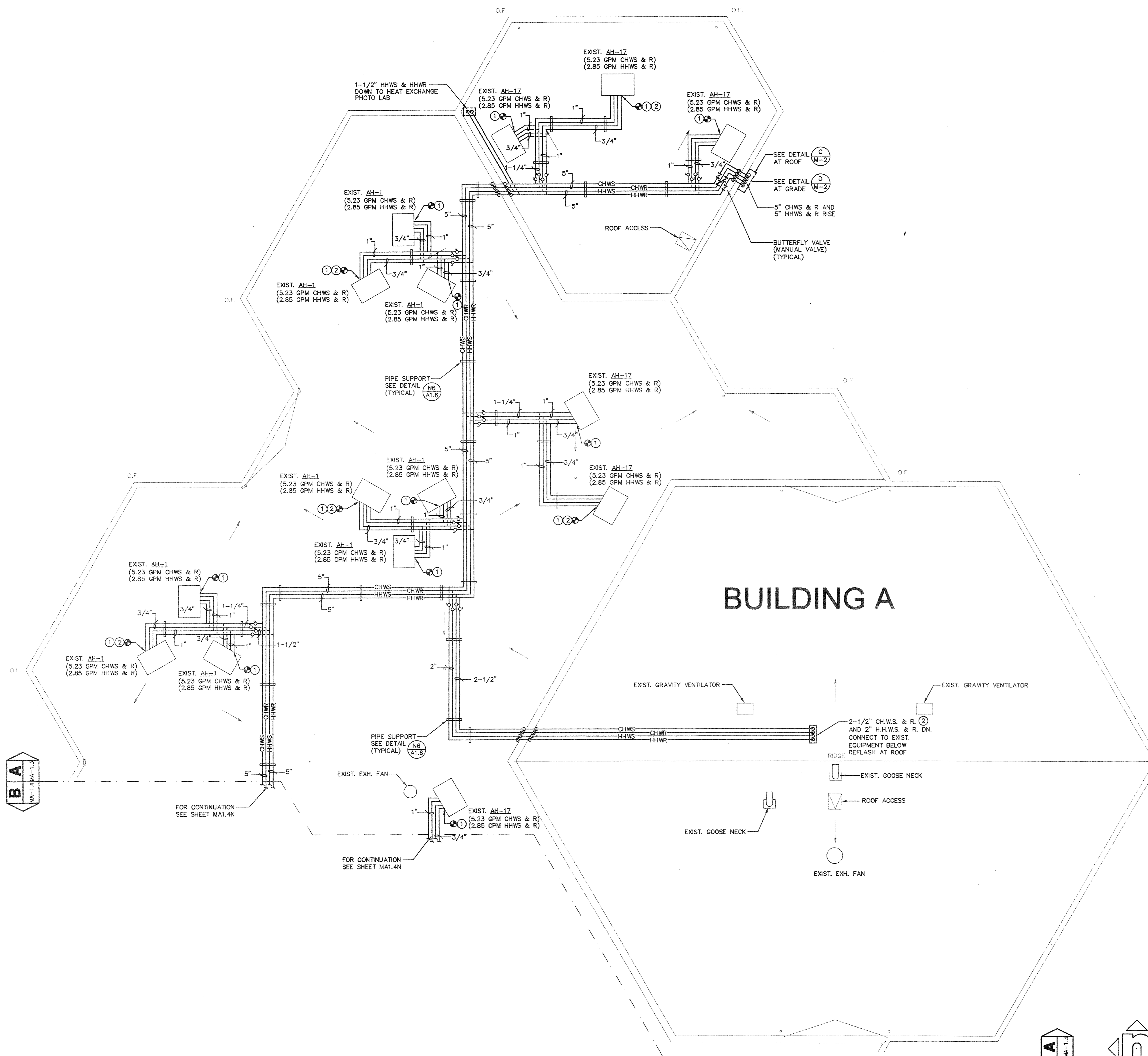
No	Revisions/Submissions	Date

Drawing Title
SITE PLAN - NEW

Architect's Seal	Designed	Project No
	M.M.	3184004
	Drawn	Scale
	TH	1" = 30'
	Checked	Drawing No
	MM	M-1.1N
Reviewed	Date	10-01

SHEET NOTES:

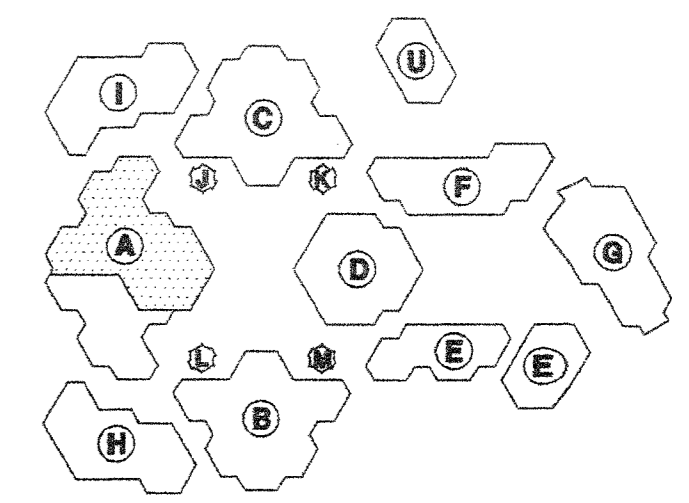
- ① SEE CHILLED WATER COIL AND HEATING HOT WATER COIL PIPING. SEE DETAIL (G) & (H) (M-2)
- ② REPLACE EXISTING CHILLED WATER 3-WAY VALVE, WITH NEW 2-WAY VALVE, RECONNECT TO EXISTING CONTROL SYSTEM.



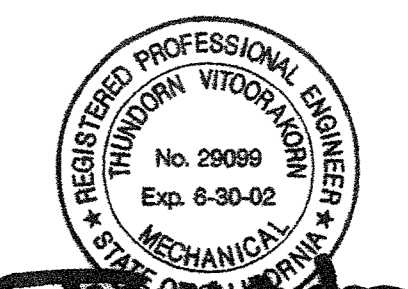
BUILDING A

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944

KEY PLAN



Consultant's Seal



FILE No. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 NO. FLS. _____ SS. _____
 DATE _____

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-PIP)
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2234
 IRVINE UNIFIED SCHOOL DISTRICT

No	Revisions/Submissions	Date

Drawing Title
BUILDING A PARTIAL ROOF PLAN - NEW PIPING

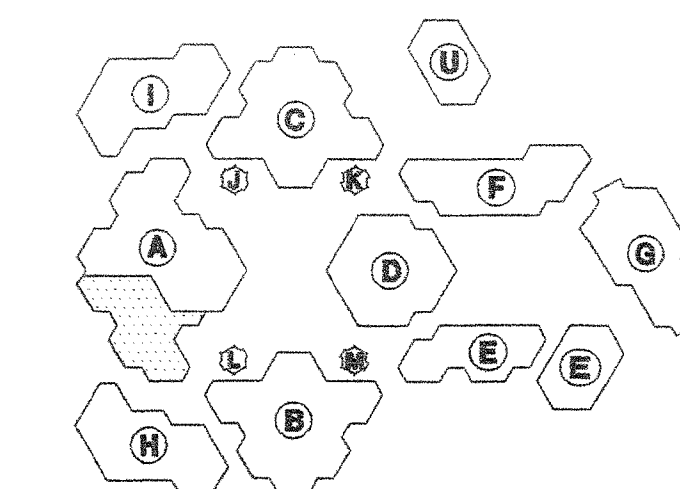
Architect's Seal	Designed	Project No.
	TH	3184004
	Drawn	Scale
	TH	AS NOTED
	Checked	Drawing No.
MM	MA1.3N	
Reviewed	Date	
	4-10-01	

SHEET NOTES:

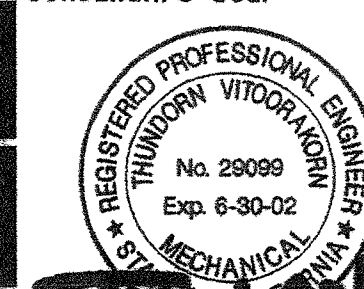
- ① SEE CHILLED WATER COIL AND HEATING HOT WATER COIL PIPING. SEE DETAIL (C) & (H) (M-2)
- ② REPLACE EXISTING CHILLED WATER 3-WAY VALVE WITH NEW 2-WAY VALVE, RECONNECT TO EXISTING CONTROL SYSTEM.

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944

KEY PLAN



Consultant's Seal



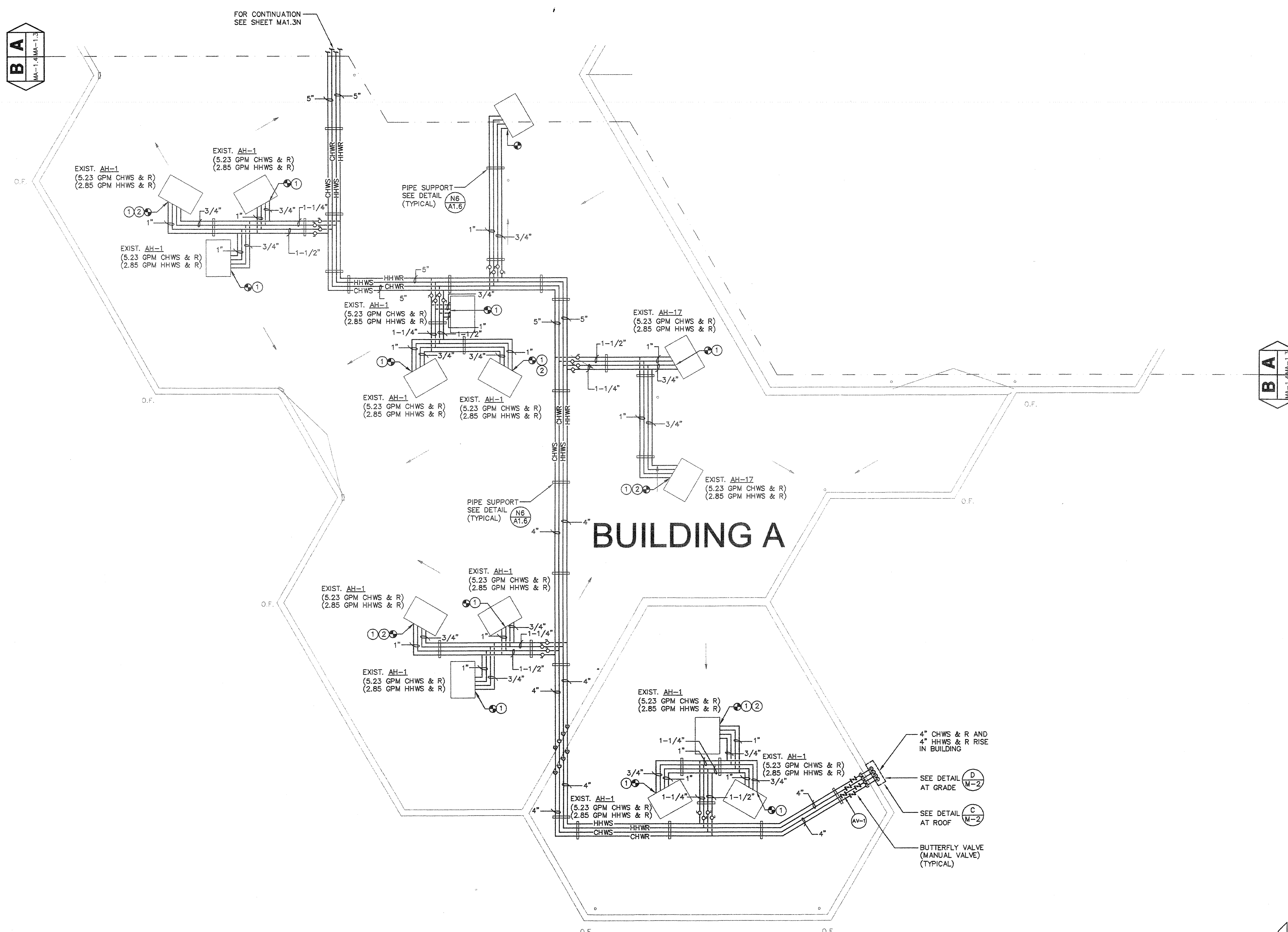
FILE NO. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 AC _____ FS _____ SS _____
 DATE _____

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-PID)
 4821 WALNUT AVENUE
 IRVINE, CA 92614-2284
 IRVINE UNIFIED SCHOOL DISTRICT

HMC GROUP 1997		
No	Revisions/Submissions	Date

Drawing Title
BUILDING A PARTIAL ROOF PLAN - NEW PIPING

Architect's Seal		Designed	Project No
	TH	TH	3184004
	Drawn	TH	Scale
	Checked	MM	AS NOTED
	Reviewed	MM	Drawing No
	Date	4-10-01	MA1.4N



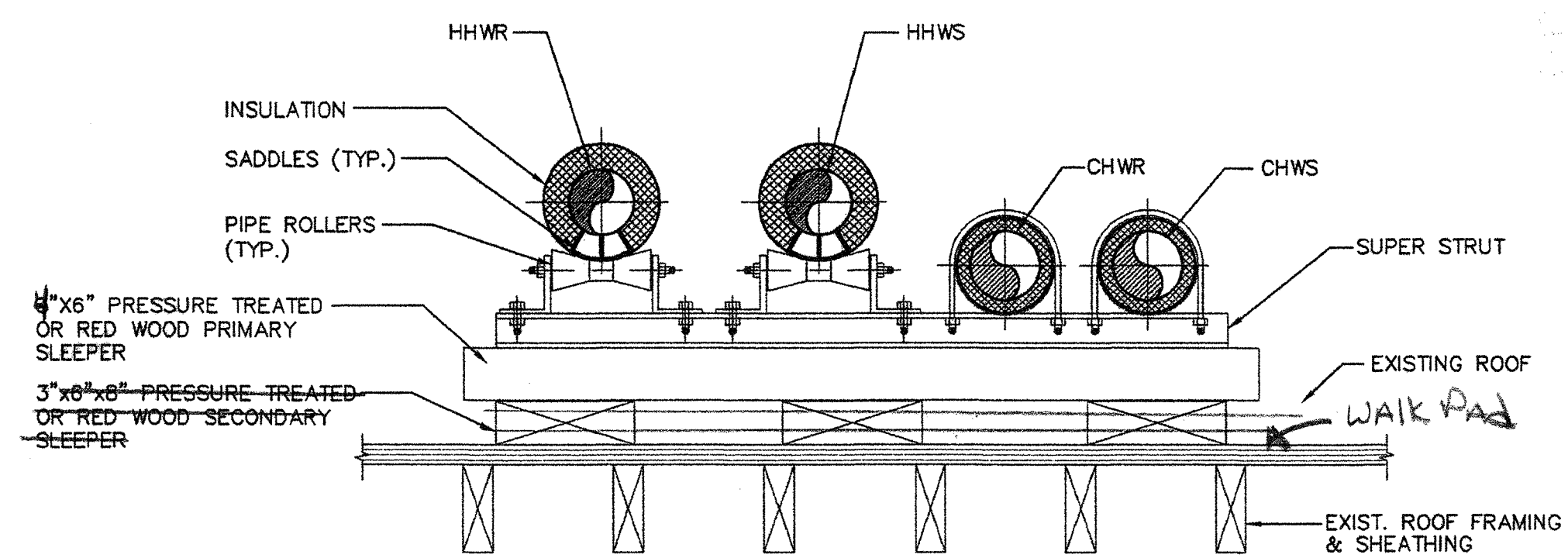
BUILDING A PARTIAL ROOF PLAN - NEW PIPING

A14

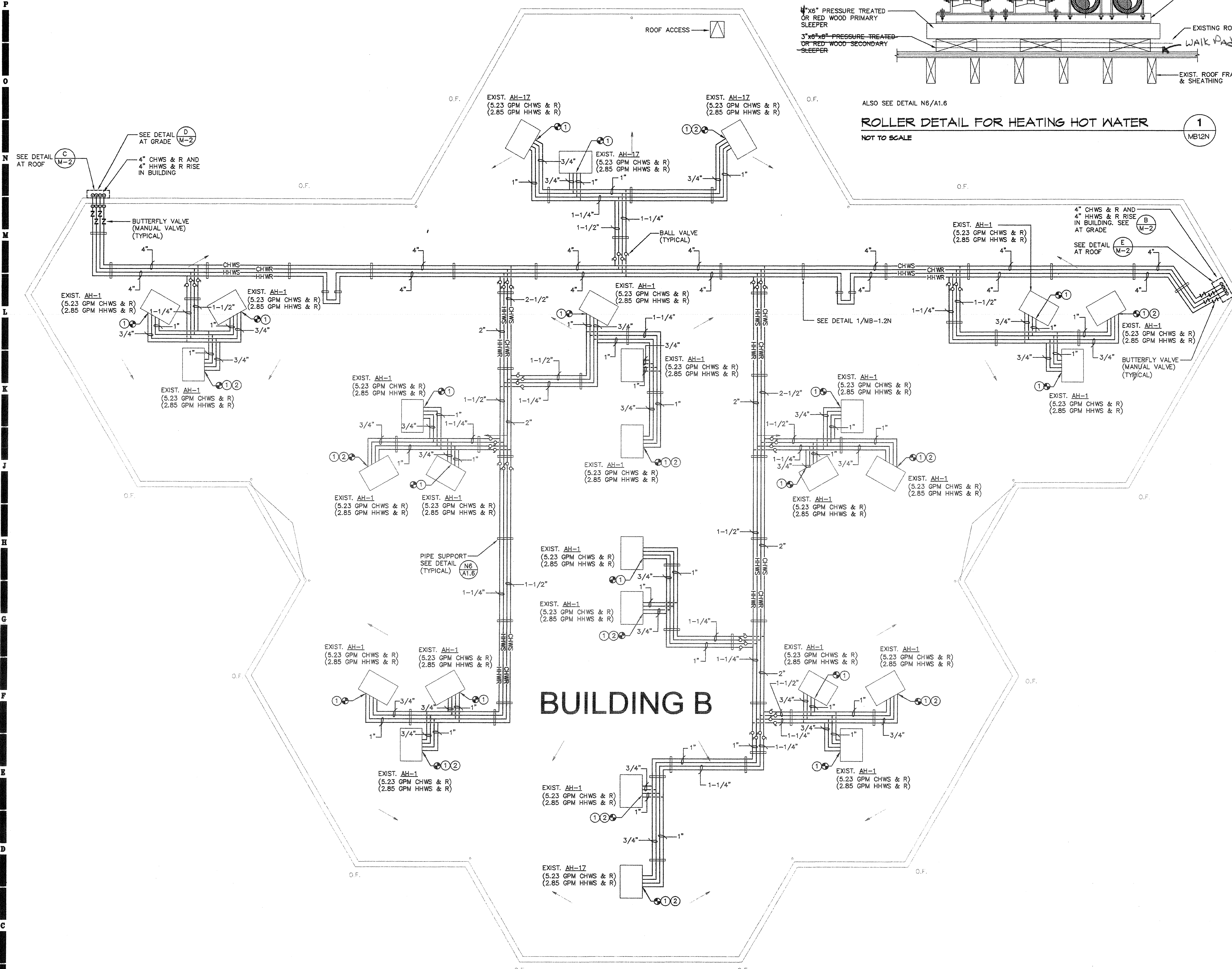
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SHEET NOTES:

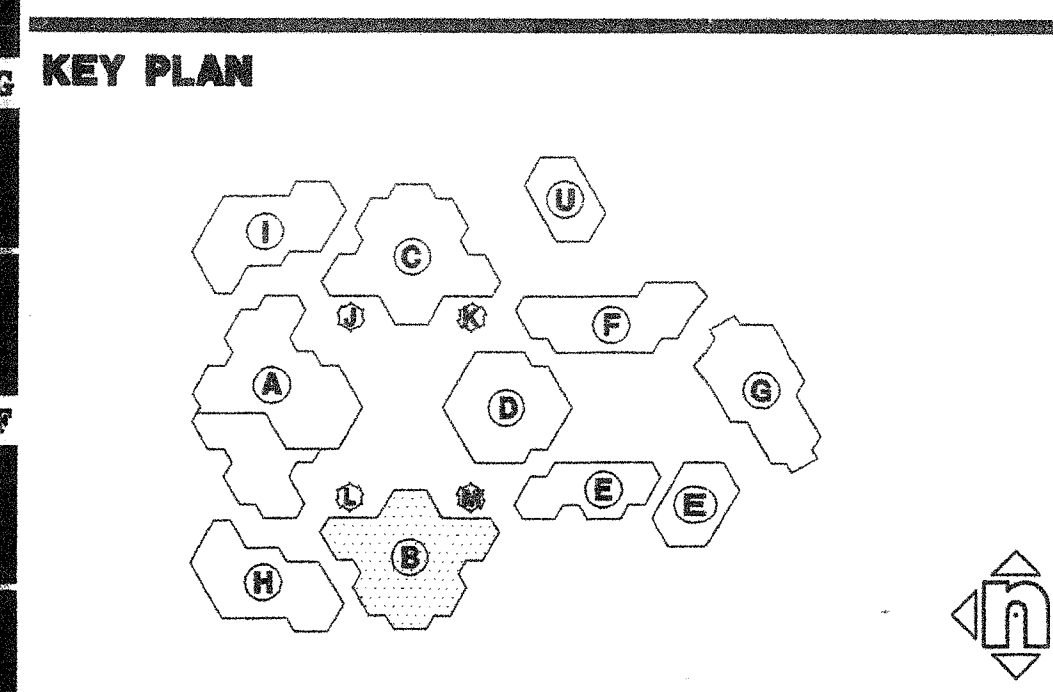
- SEE CHILLED WATER COIL AND HEATING HOT WATER COIL PIPING. SEE DETAIL (G N-2) & (H M-2)
- REPLACE EXISTING CHILLED WATER 3-WAY VALVE WITH NEW 2-WAY VALVE, RECONNECT TO EXISTING CONTROL SYSTEM.



ALSO SEE DETAIL NS/A1.6
ROLLER DETAIL FOR HEATING HOT WATER
 NOT TO SCALE



AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 65884



Consultant's Seal

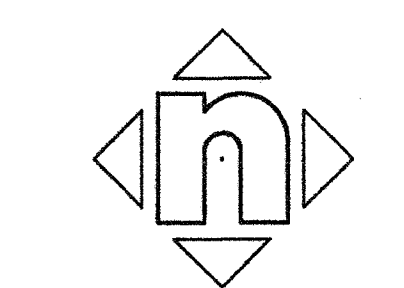
IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL
 AC FL SS
 DATE

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2294
 IRVINE UNIFIED SCHOOL DISTRICT

HMC GROUP 1997		
No	Revisions/Submissions	Date

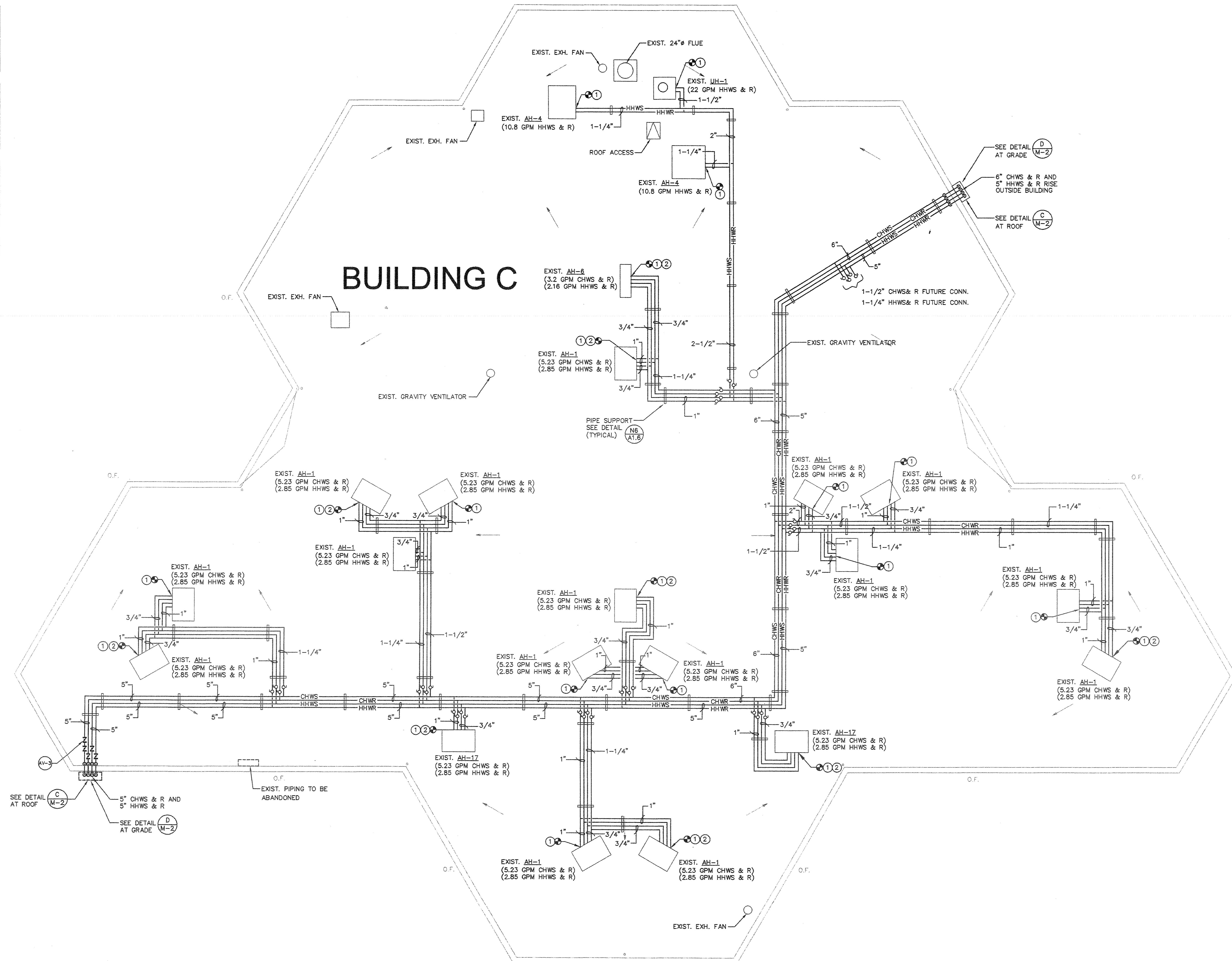
Drawing Title
BUILDING B ROOF PLAN-NEW PIPING

Architect's Seal 	Designed TH	Project No 3184004
Drawn TH	Scale AS NOTED	Checked MM
Reviewed MM	Reviewed MM	Drawing No MB1.2N
Date 4-10-01		



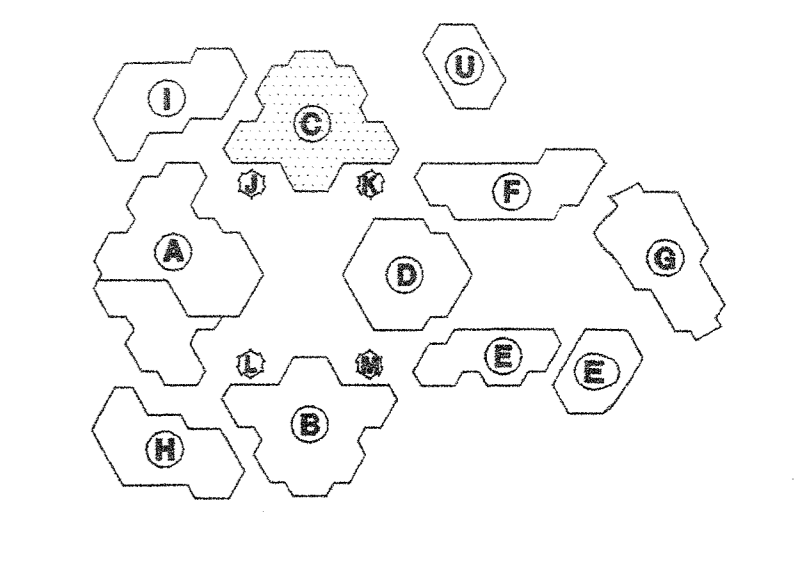
SHEET NOTES:

- SEE CHILLED WATER COIL AND HEATING HOT WATER COIL PIPING. SEE DETAIL (C) & (D)
- REPLACE EXISTING CHILLED WATER 3-WAY VALVE WITH NEW 2-WAY VALVE, RECONNECT TO EXISTING CONTROL SYSTEM.



AS BUILT
 MECHANICAL CORPORATION
 11/15/04

KEY PLAN



Consultant's Seal



FILE NO.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL
 AC _____ FLS _____ SS _____
 DATE _____



IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2254
 IRVINE UNIFIED SCHOOL DISTRICT

No	Revisions/Submissions	Date

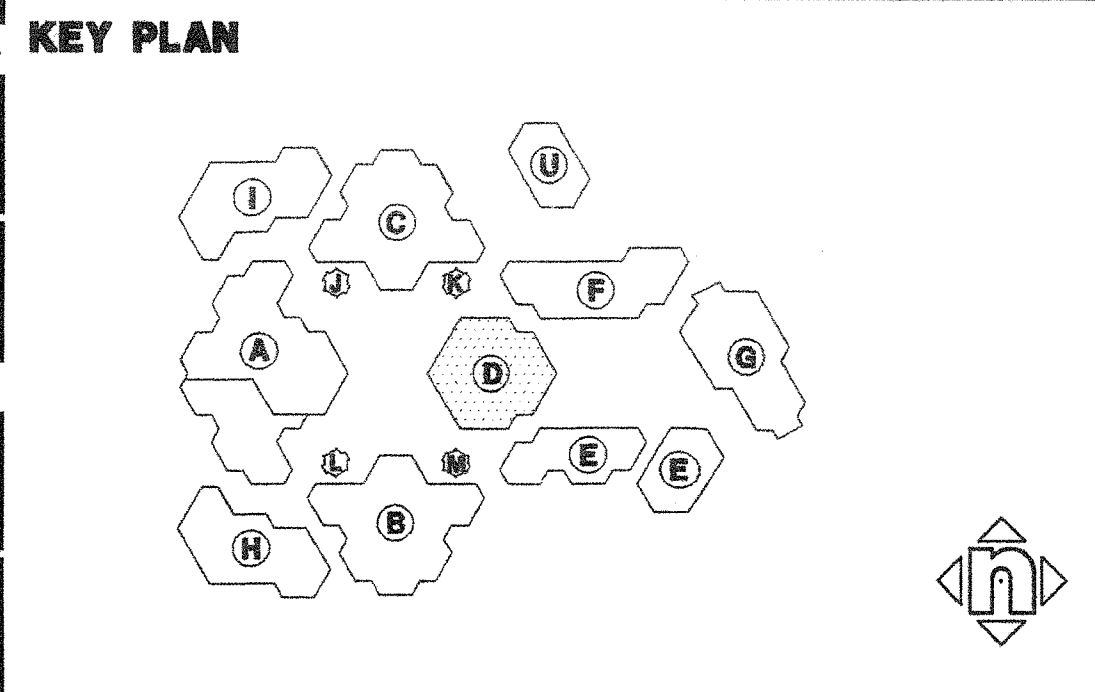
Drawing Title
 BUILDING C ROOF PLAN-NEW PIPING

Architect's Seal 	Designed TH	Project No 3184004
	Drawn TH	Scale AS NOTED
	Checked MM	Drawing No MC1.2N
	Reviewed MM	Date 4-10-01
	Date 4-10-01	of

SHEET NOTES:

- ① SEE CHILLED WATER COIL AND HEATING HOT WATER COIL PIPING. SEE DETAIL (S) & (H)
- ② REPLACE EXISTING CHILLED WATER 3-WAY VALVE WITH NEW 2-WAY VALVE, RECONNECT TO EXISTING CONTROL SYSTEM.
- ③ CONNECT TO EXISTING AIR COOLED STANDBY CHILLER.

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 65254



Consultant's Seal

FILE No. _____
 IDENTIFICATION STAMP
 DAVID BURKE, REGISTERED PROFESSIONAL ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 AC _____ FLS _____ SS _____
 DATE _____

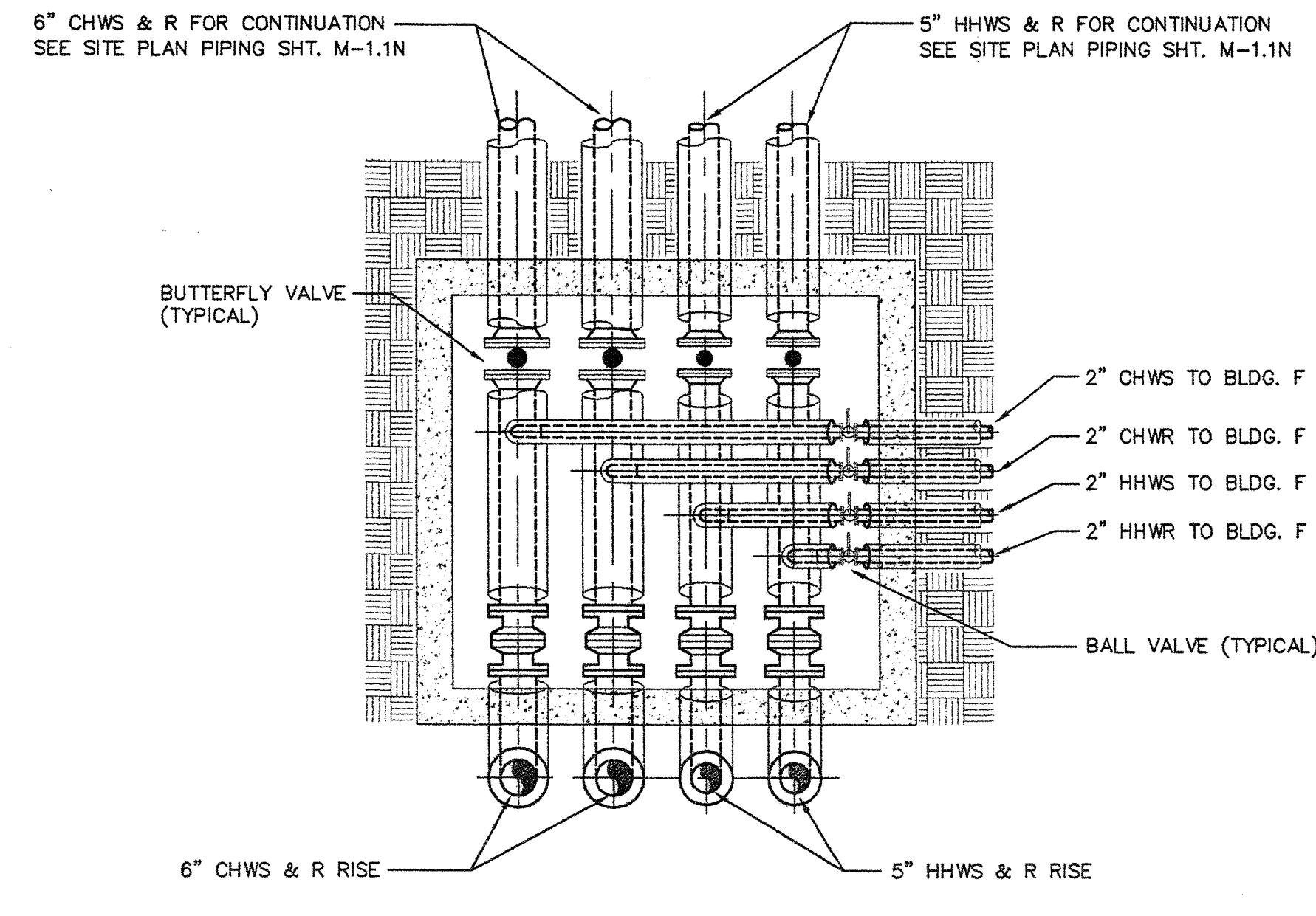
IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)
 4821 HALIBUT AVENUE
 IRVINE, CA 92604-2224
 IRVINE UNIFIED SCHOOL DISTRICT

©HMC GROUP 1997

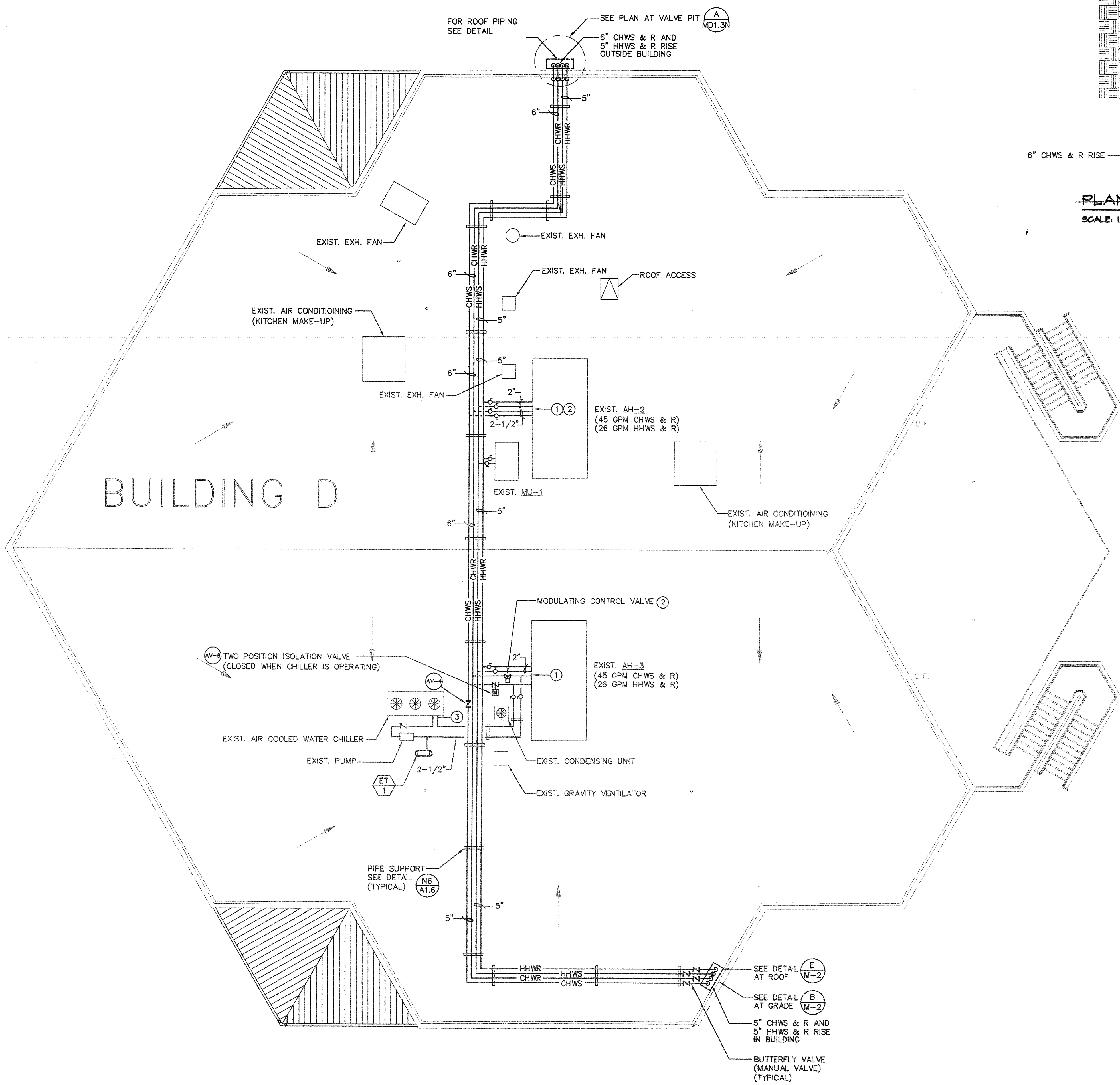
No	Revisions/Submissions	Date

Drawing Title
BUILDING D ROOF PLAN-NEW PIPING

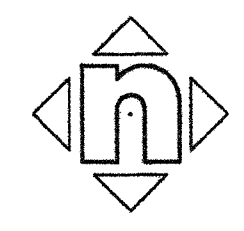
Architect's Seal 	Designed TH	Project No 3184004
	Drawn TH	Scale AS NOTED
	Checked MM	Drawing No MD1.3N
	Reviewed MM	Date 4-10-01
	Date 4-10-01	of



PLAN AT VALVE PIT
 SCALE 1/2"=1'-0" **A**
 MD13N
 Removed

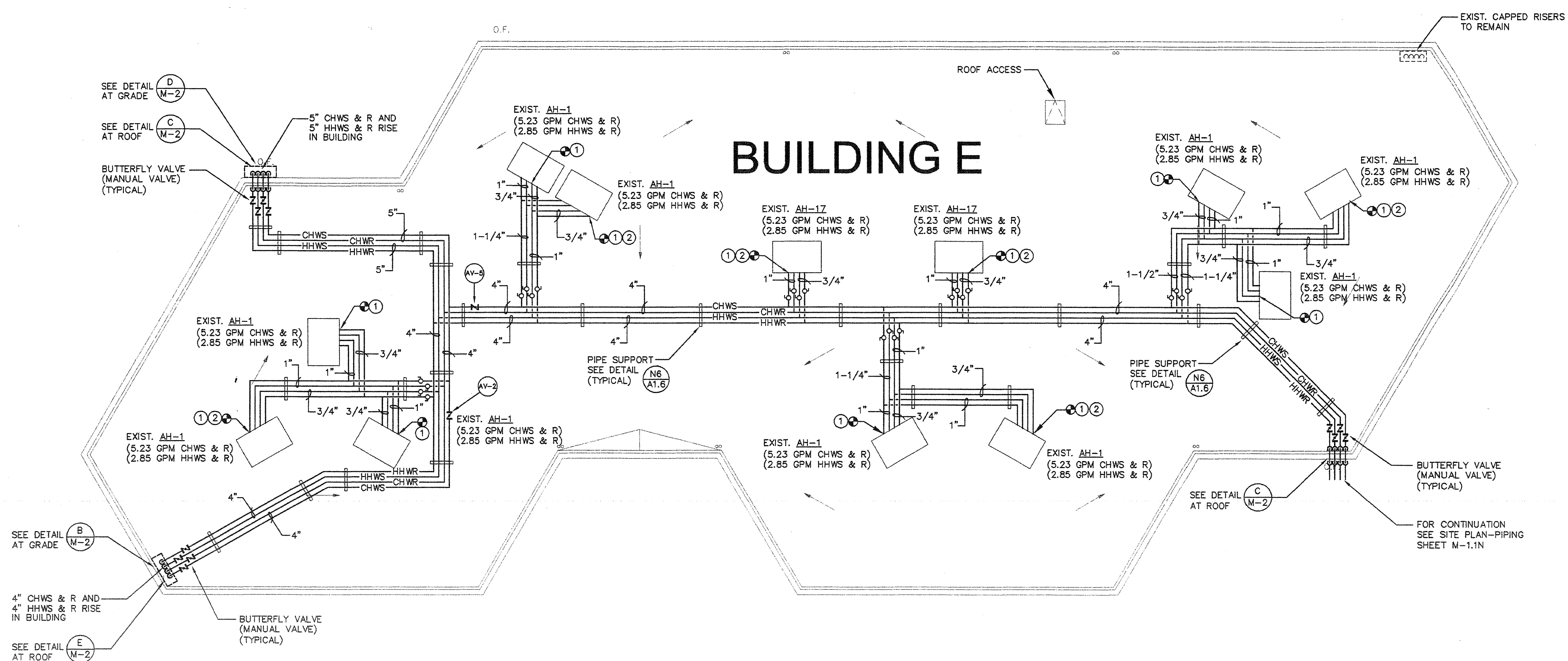


BUILDING D ROOF PLAN - NEW PIPING A14
 1/8"=1'-0"



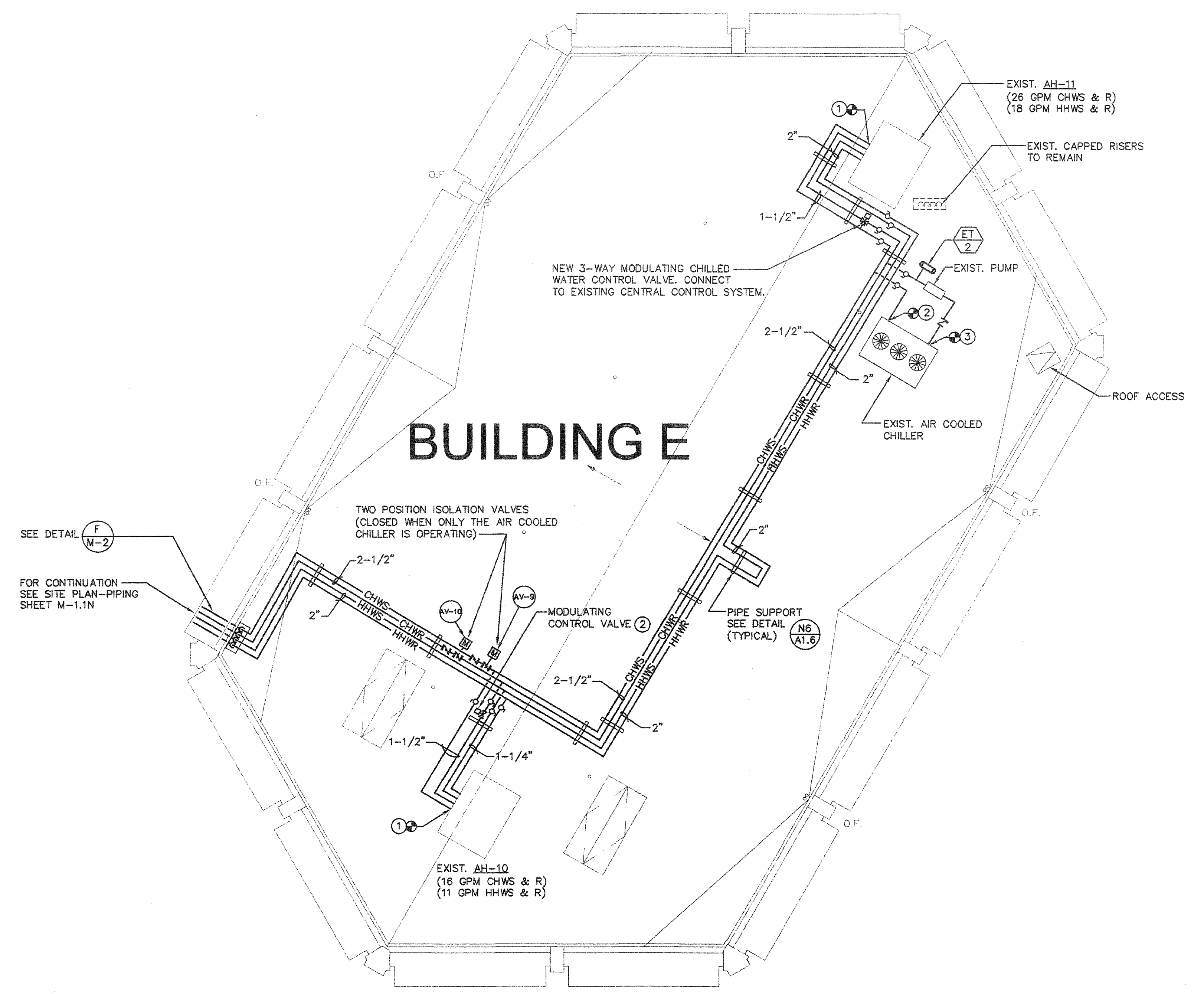
SHEET NOTES:

- ① SEE CHILLED WATER COIL AND HEATING HOT WATER COIL PIPING. SEE DETAIL (G) & (H)
- ② REPLACE EXISTING CHILLED WATER 3-WAY VALVE WITH NEW 2-WAY VALVE, RECONNECT TO EXISTING CONTROL SYSTEM.
- ③ CONNECT TO EXISTING AIR COOLED STANDBY CHILLER.



BUILDING E ROOF PLAN - DEMOLITION A14

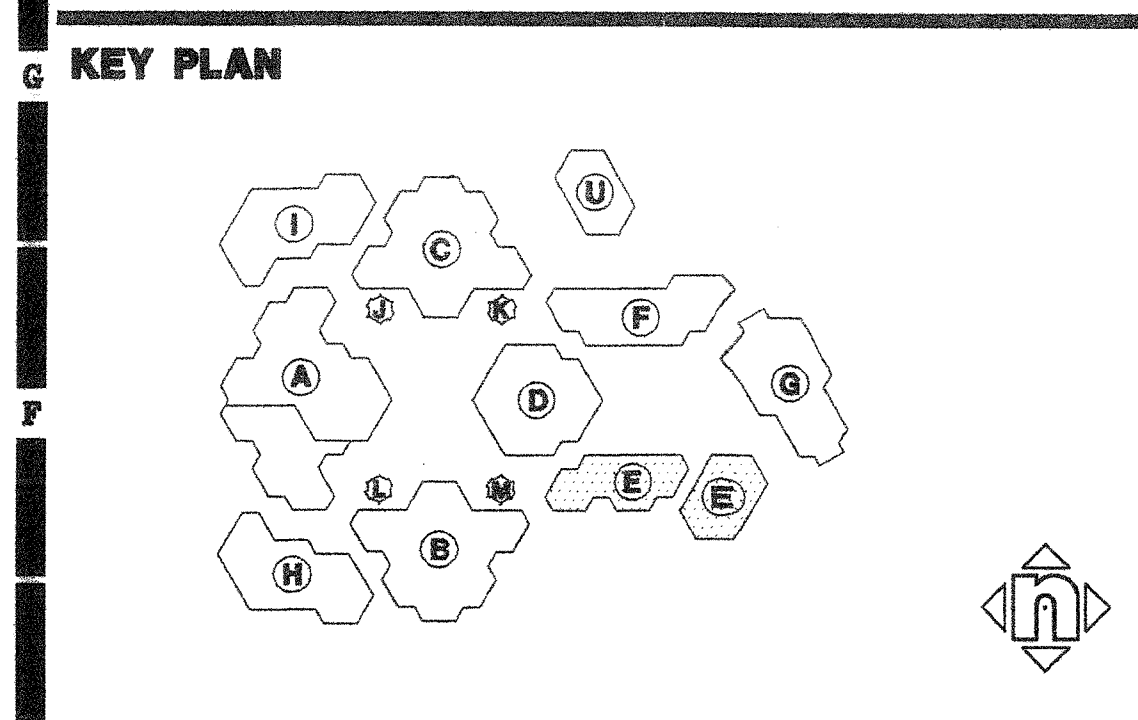
1/8"=1'-0"



BUILDING E ROOF PLAN - NEW PIPING A14

1/8"=1'-0"

AS BUILT
 G. BUYSME MECHANICAL CORPORATION
 LICENSE # 858244



Consultant's Seal

IDENTIFICATION STAMP
 OFFICE OF REGULATION SERVICES
 APPL
 RC FLS SS
 DATE

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-PIP)
 4801 WALNUT AVENUE
 IRVINE, CA 92604-2224
 IRVINE UNIFIED SCHOOL DISTRICT

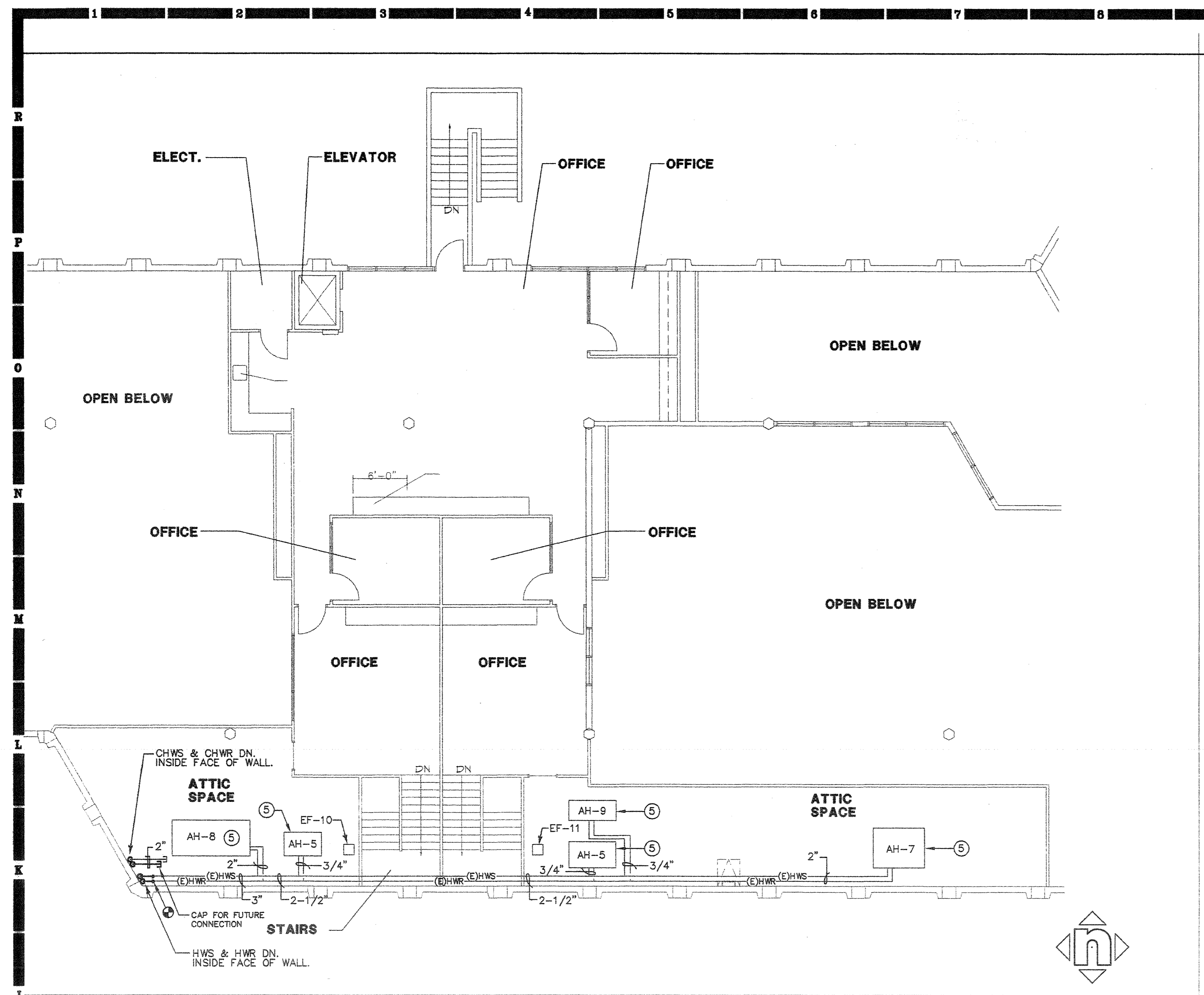
No	Revisions/Submissions	Date

Drawing Title
BUILDING E ROOF PLAN-NEW PIPING

Architect's Seal 	Designed TH	Project No 3184004
	Drawn TH	Scale AS NOTED
	Checked MM	Drawing No ME1.3N
	Reviewed	Date 4-10-01

SHEET NOTES:

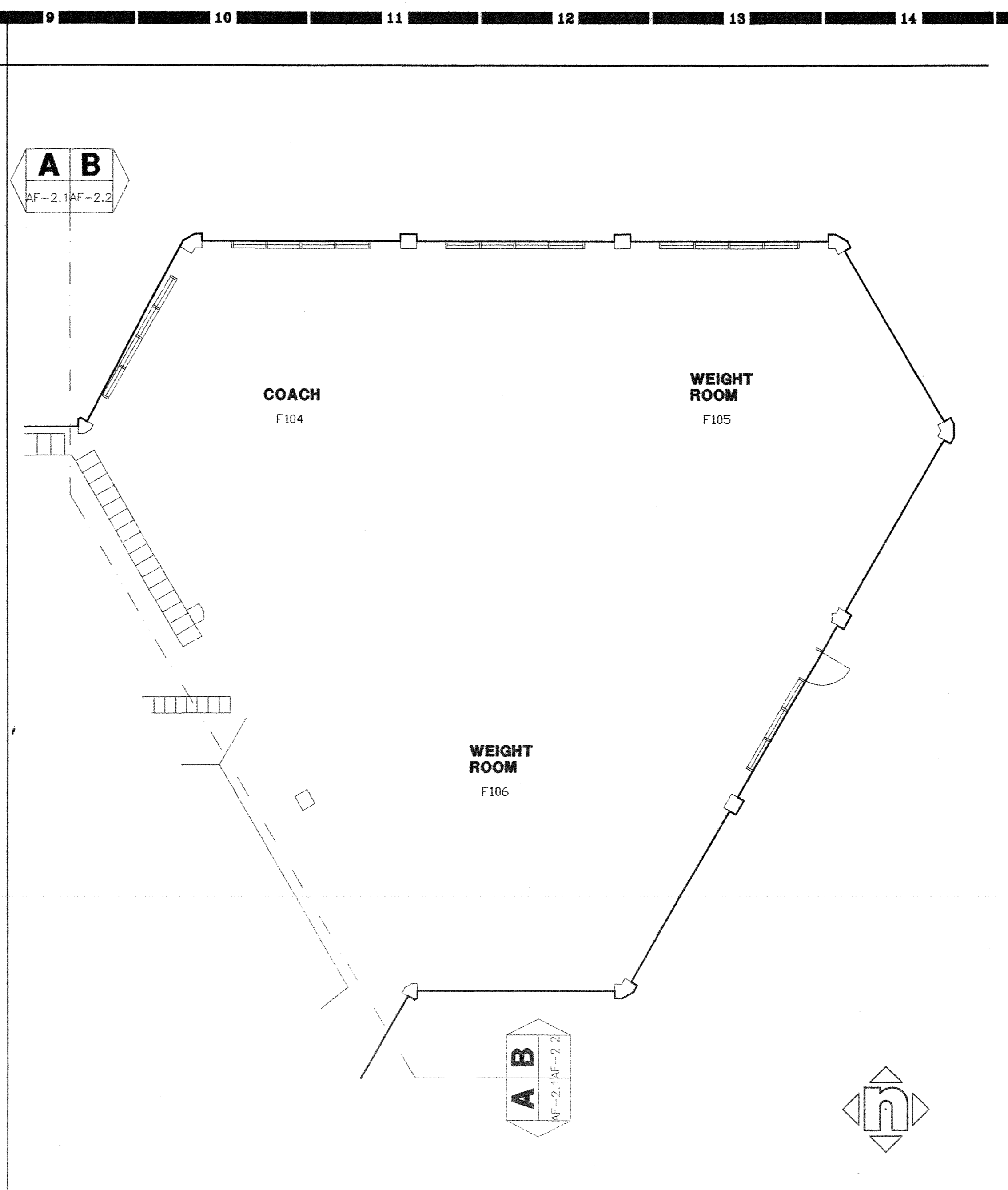
- ⑤ EXISTING AIR HANDLING UNIT, COIL, CONTROL VALVE AND PIPING TO REMAIN.



BUILDING F SECOND FLOOR PLAN - NEW PIPING

J7

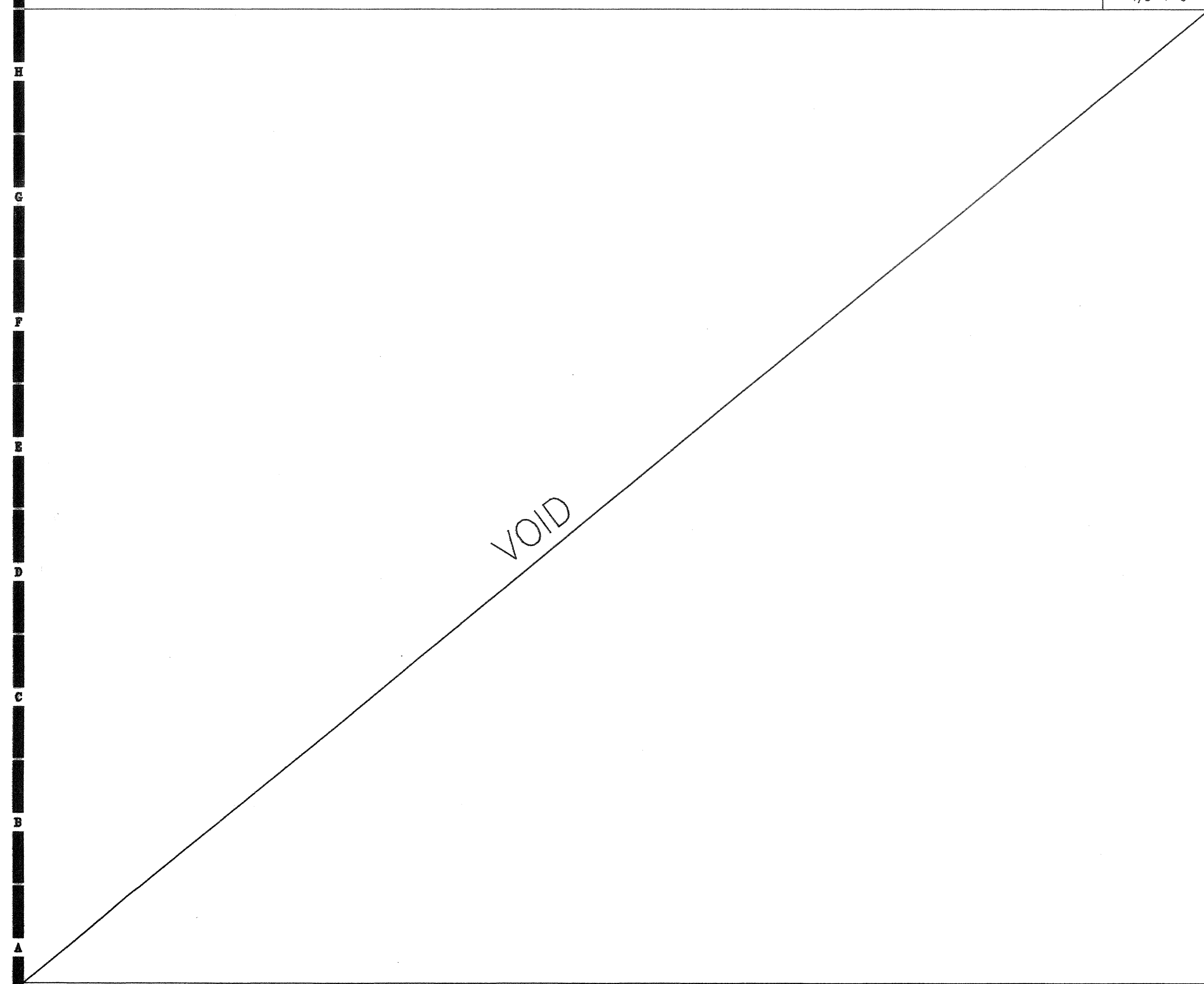
1/8"=1'-0"



BUILDING F PARTIAL GROUND FLOOR PLAN

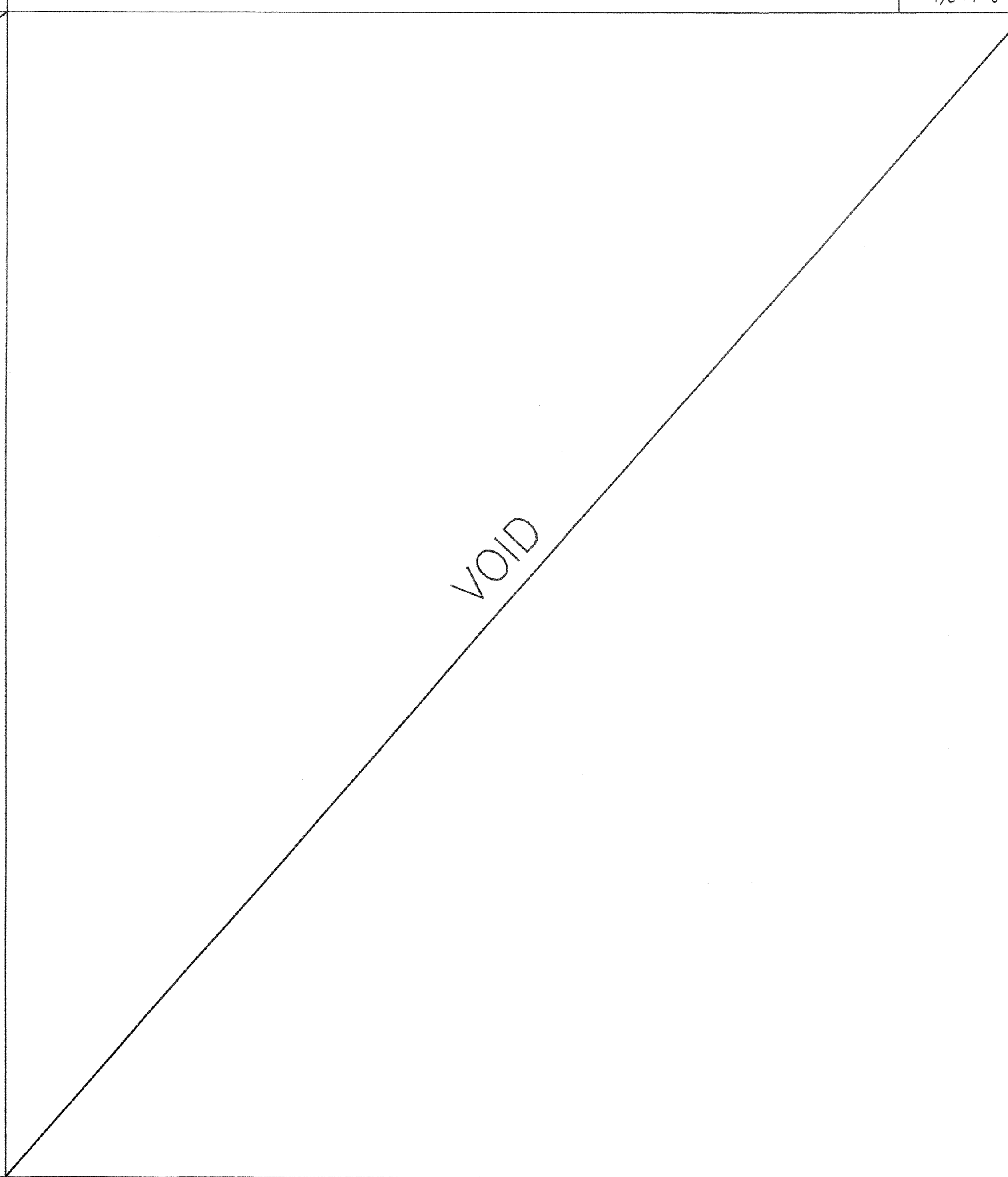
J14

1/8"=1'-0"



A7

1/8"=1'-0"



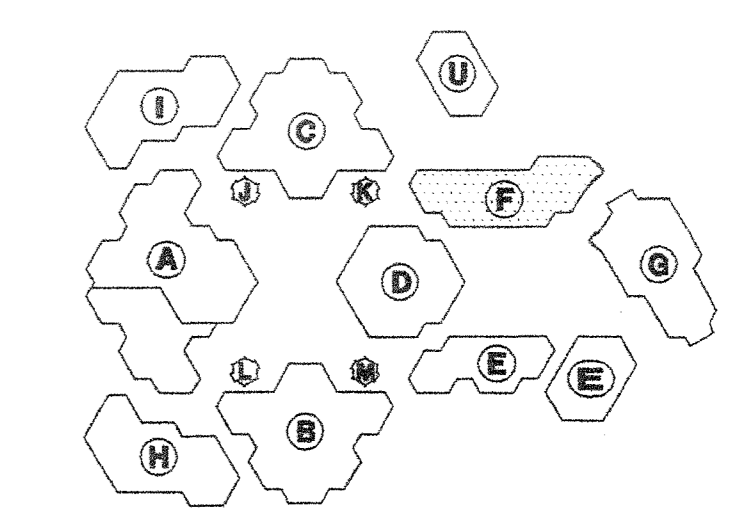
A14

1/8"=1'-0"

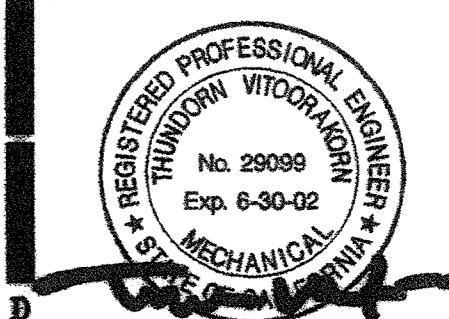
AS BUILT

D. BURKE MECHANICAL CORPORATION
 LICENSE # 63804

KEY PLAN



Consultant's Seal



FILE NO.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES

APPL

NO. _____ FLS. _____ SS. _____

DATE _____

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE (RE-BID)
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2224
 IRVINE UNIFIED SCHOOL DISTRICT

No	Revisions/Submissions	Date

Drawing Title
 BUILDING F FLOOR PLAN-NEW PIPING

Architect's Seal	Designed TH	Project No 3184004
Drawn TH	Scale AS NOTED	
Checked MM	Drawing No MF1.2N	
Reviewed	Date 4-10-01	

SHEET NOTES:

- ① CONNECT 6" CHWS & R AND 6" HHWS & R TO EXISTING CHWS & R & HHWS & R.

NOT USED

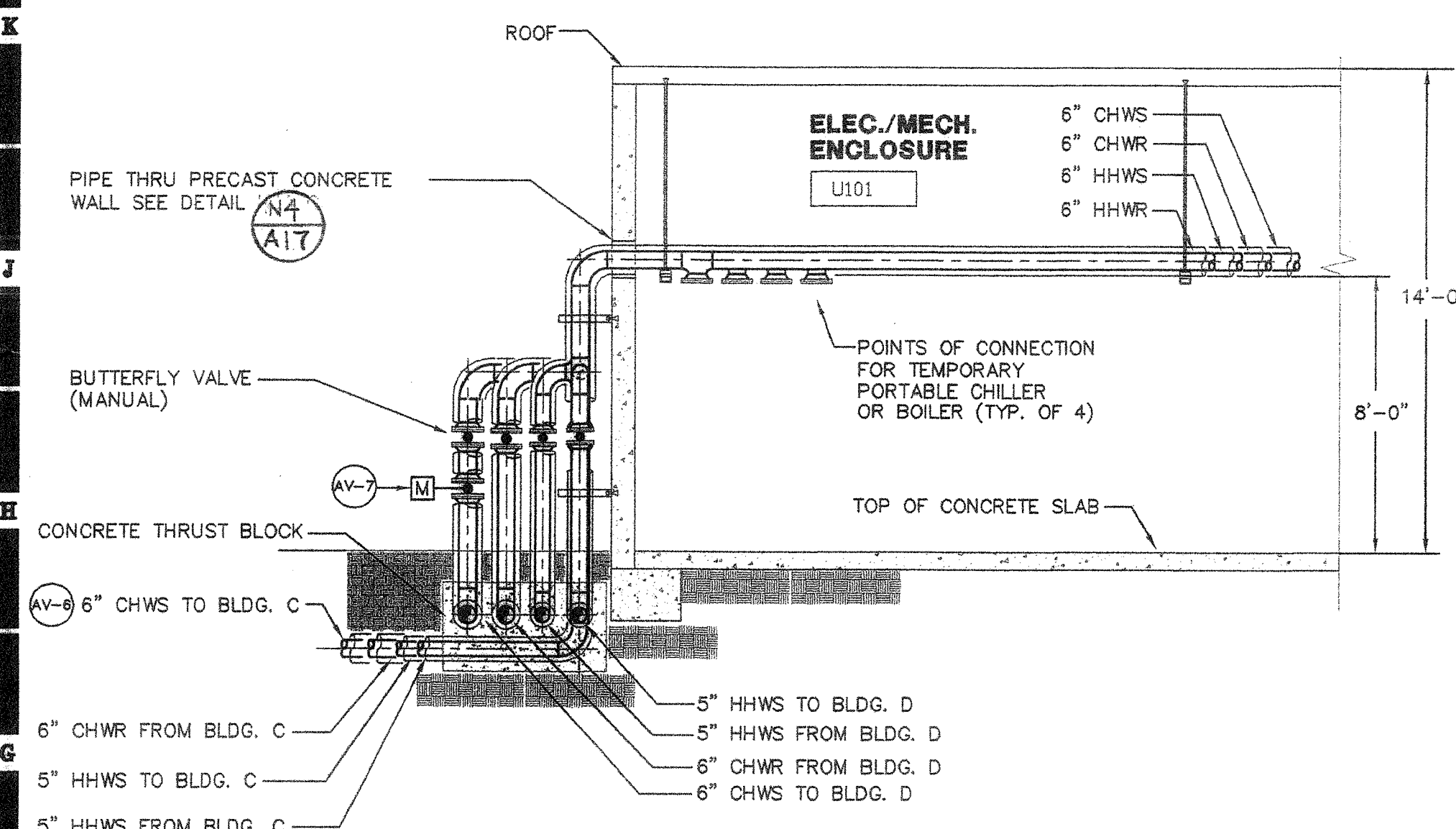
L6

1/8"=1'-0"

NOT USED

L14

1/8"=1'-0"

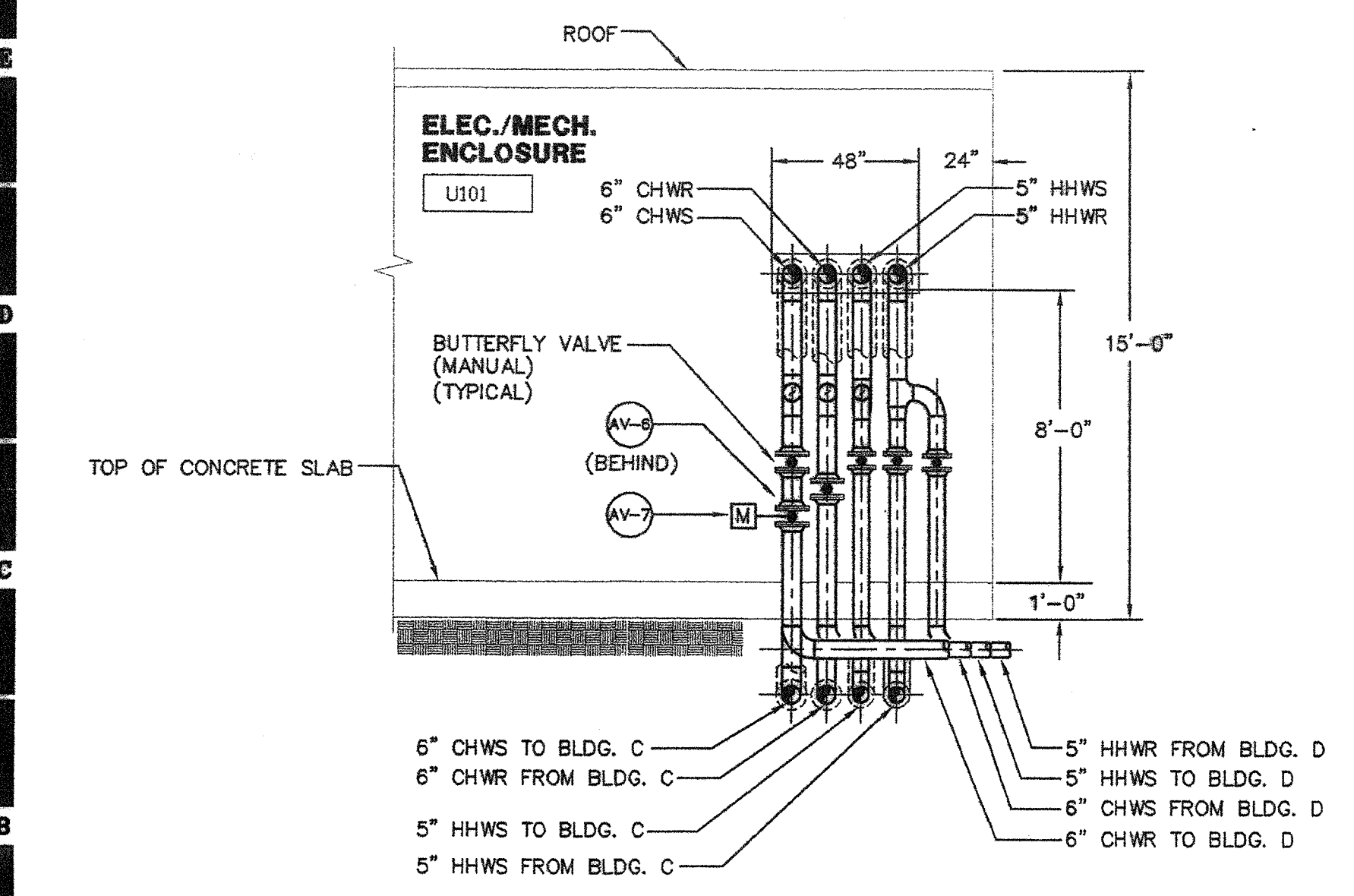
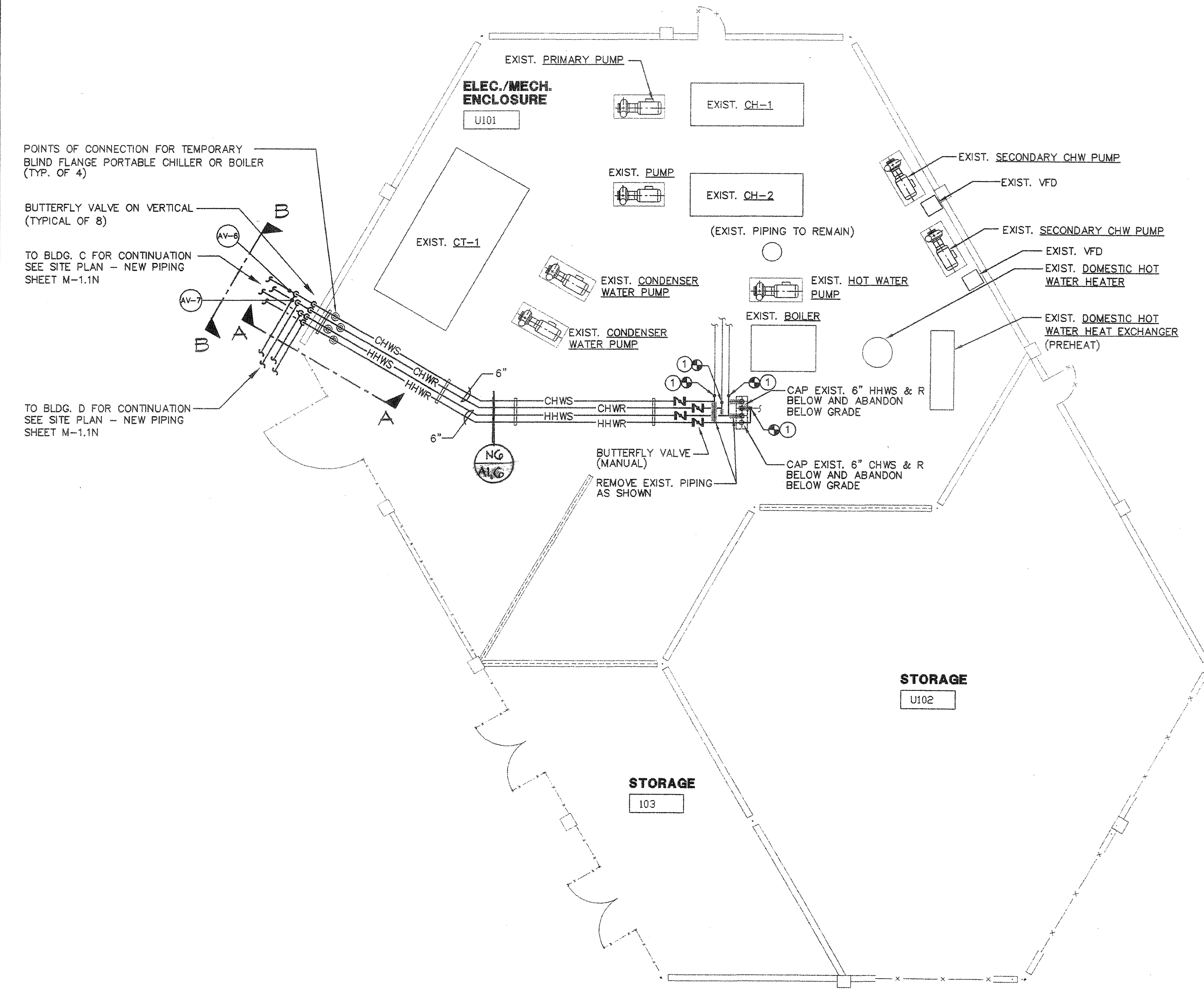


POINTS OF CONNECTION FOR TEMPORARY BLIND FLANGE PORTABLE CHILLER OR BOILER (TYP. OF 4)

BUTTERFLY VALVE ON VERTICAL (TYPICAL OF 8)

TO BLDG. C FOR CONTINUATION SEE SITE PLAN - NEW PIPING SHEET M-1.1N

TO BLDG. D FOR CONTINUATION SEE SITE PLAN - NEW PIPING SHEET M-1.1N



SECTION AA AND BB

A6

1/4"=1'-0"

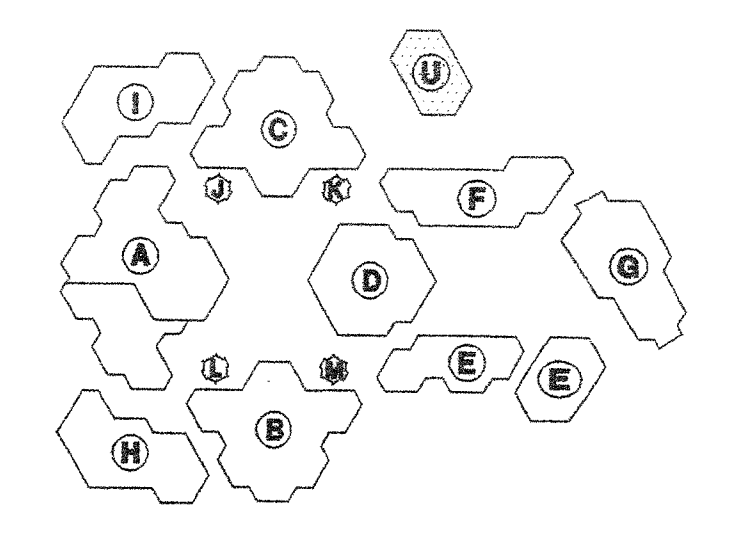
BUILDING U FLOOR PLAN

A14

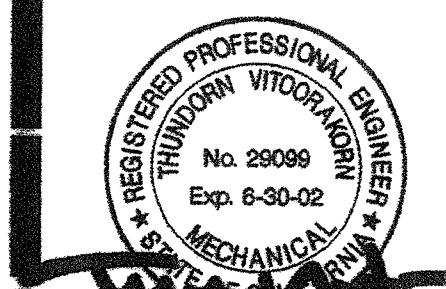
1/8"=1'-0"

AS BUILT
D. SUPREME MECHANICAL CORPORATION
LICENSE # 93940

KEY PLAN



Consultant's Seal



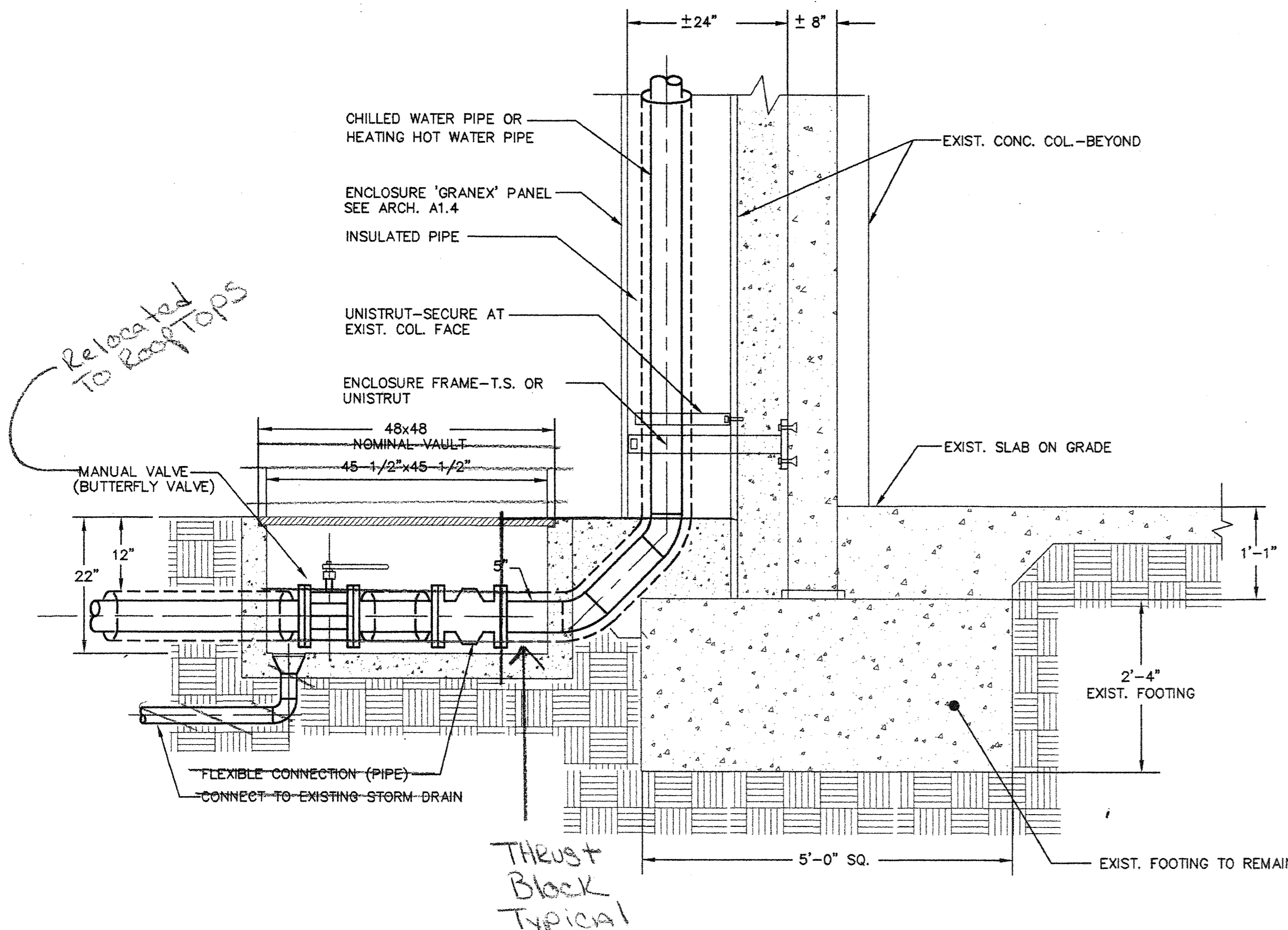
FILE NO. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 No. 39098
 Exp. 6-30-02
 APR
 AC _____ FLS _____ SS _____
 DATE _____

IRVINE HIGH SCHOOL PORTION III - MODERNIZATION CENTRAL UTILITY SYSTEM UPGRADE (R.E.D.)
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2224
 IRVINE UNIFIED SCHOOL DISTRICT

HMC GROUP 1997		
No.	Revisions/Submissions	Date

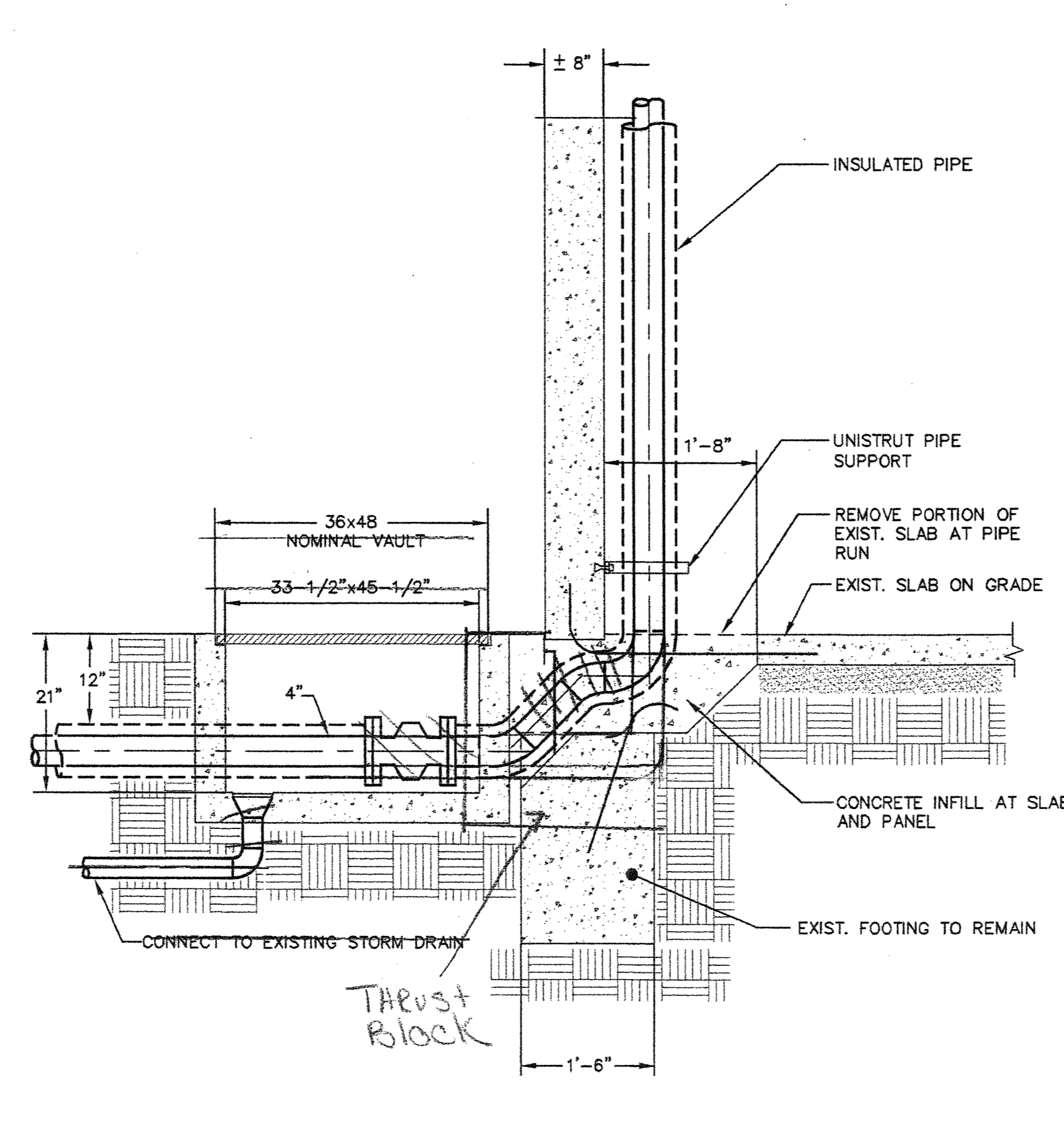
Drawing Title
BUILDING U FLOOR PLAN - NEW PIPING

Architect's Seal	Designed	Project No.
	—	3184004
	Drawn	Scale
	Checked	AS NOTED
	Reviewed	Drawing No.
		MU1.1N
Date	4-10-01	of



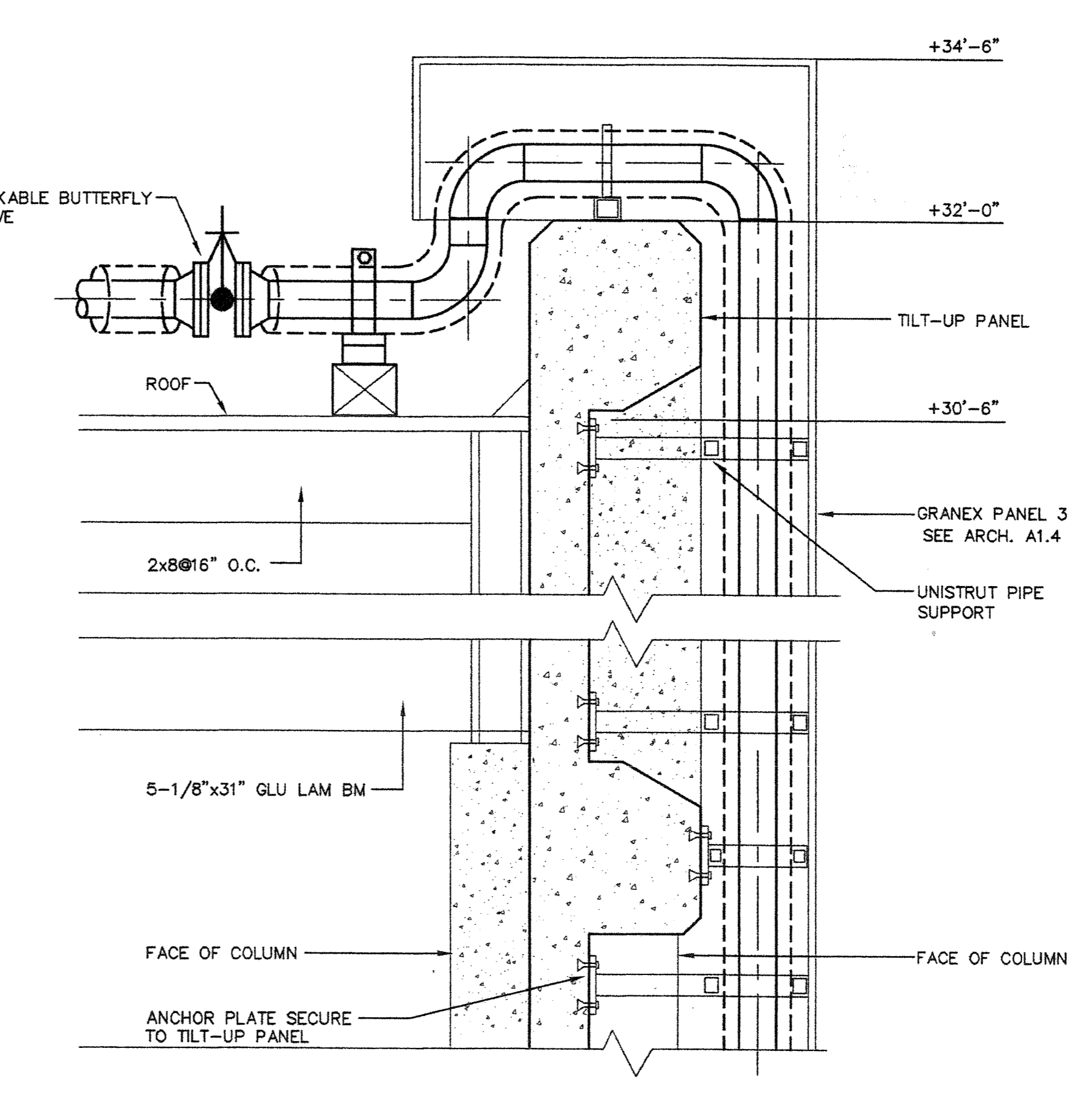
BUILDING 'D' - VERTICAL PIPE RUN

SCALE: 3/4" = 1'-0"



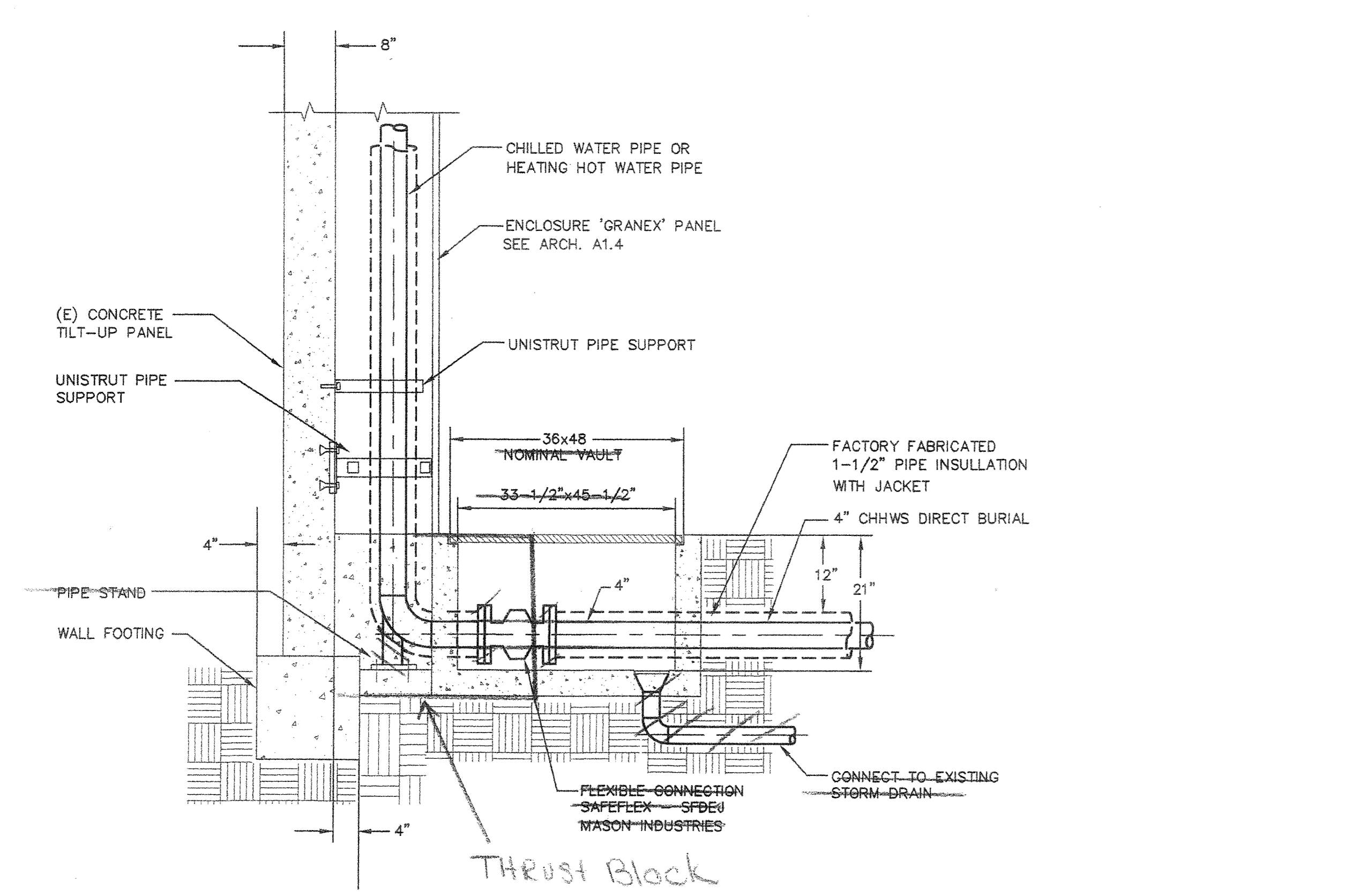
INTERIOR ROUTING - PIPE RUN

SCALE: 3/4" = 1'-0"



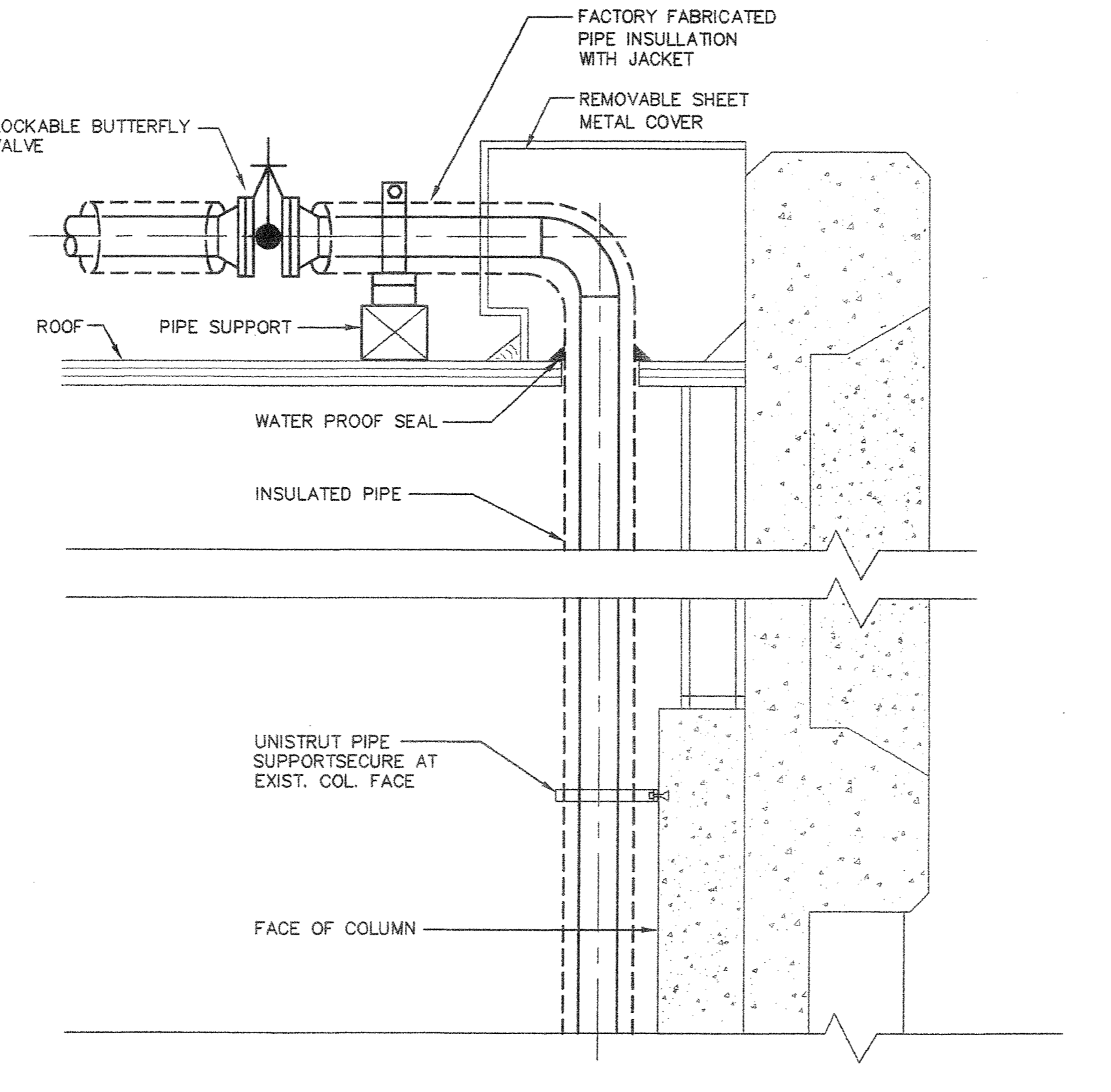
BUILDING 'D' - PIPE RUN PARAPET

SCALE: 3/4" = 1'-0"



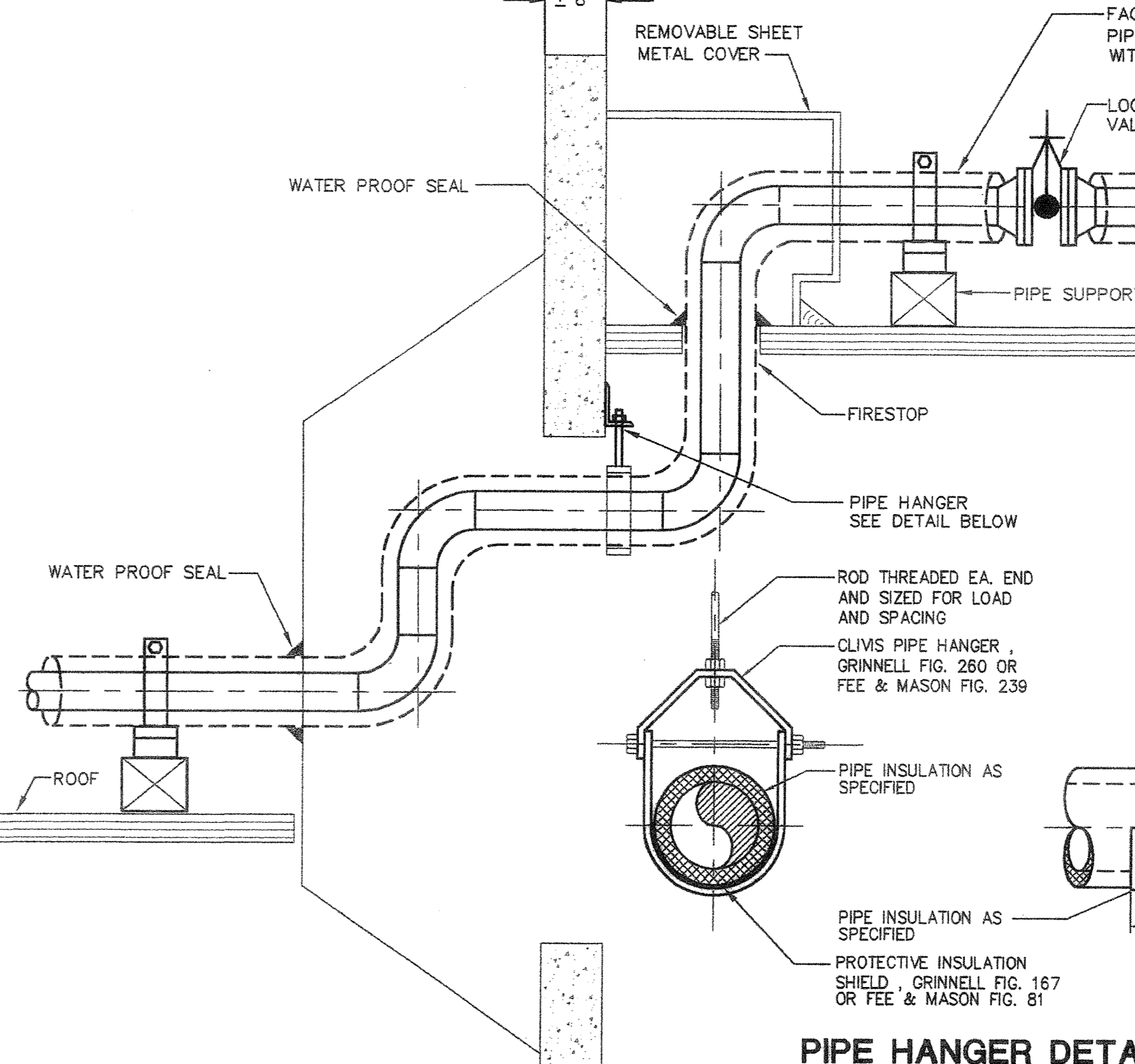
UNDERGROUND ENTRANCE ROUTING-PIPE RUN

SCALE: 3/4" = 1'-0"



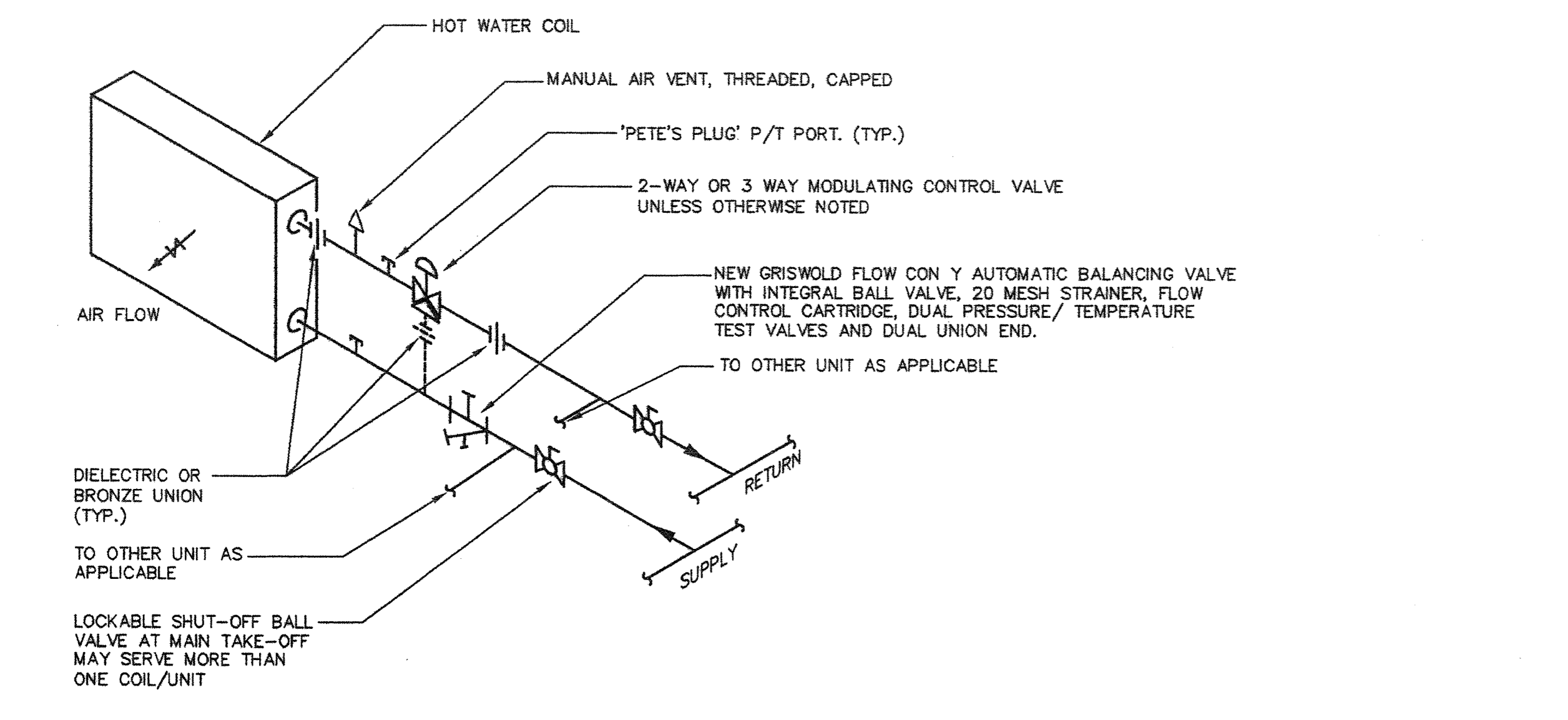
PIPE RISER INSIDE BUILDING

NOT TO SCALE



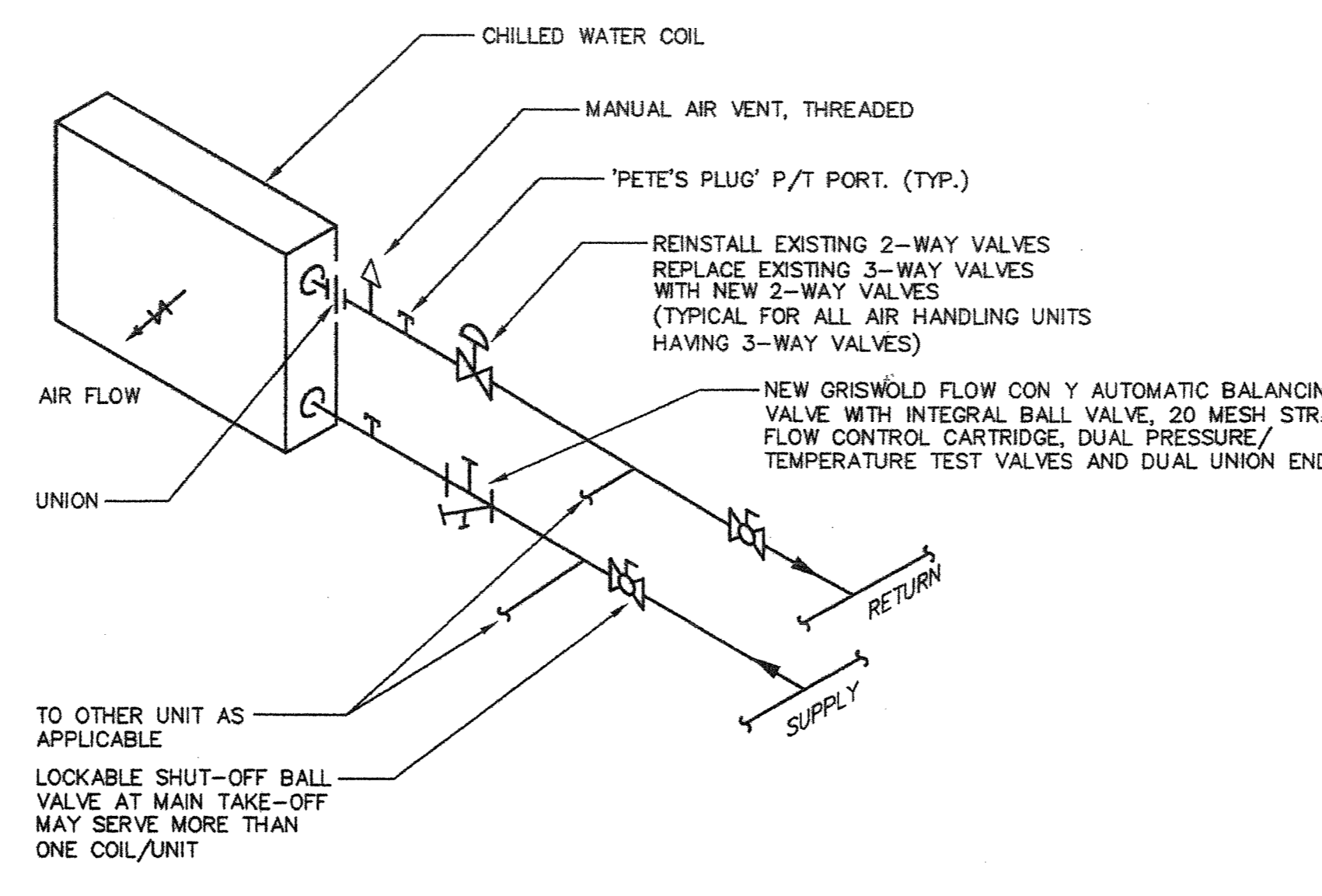
SECTION AT THEATER ENTRANCE

NOT TO SCALE



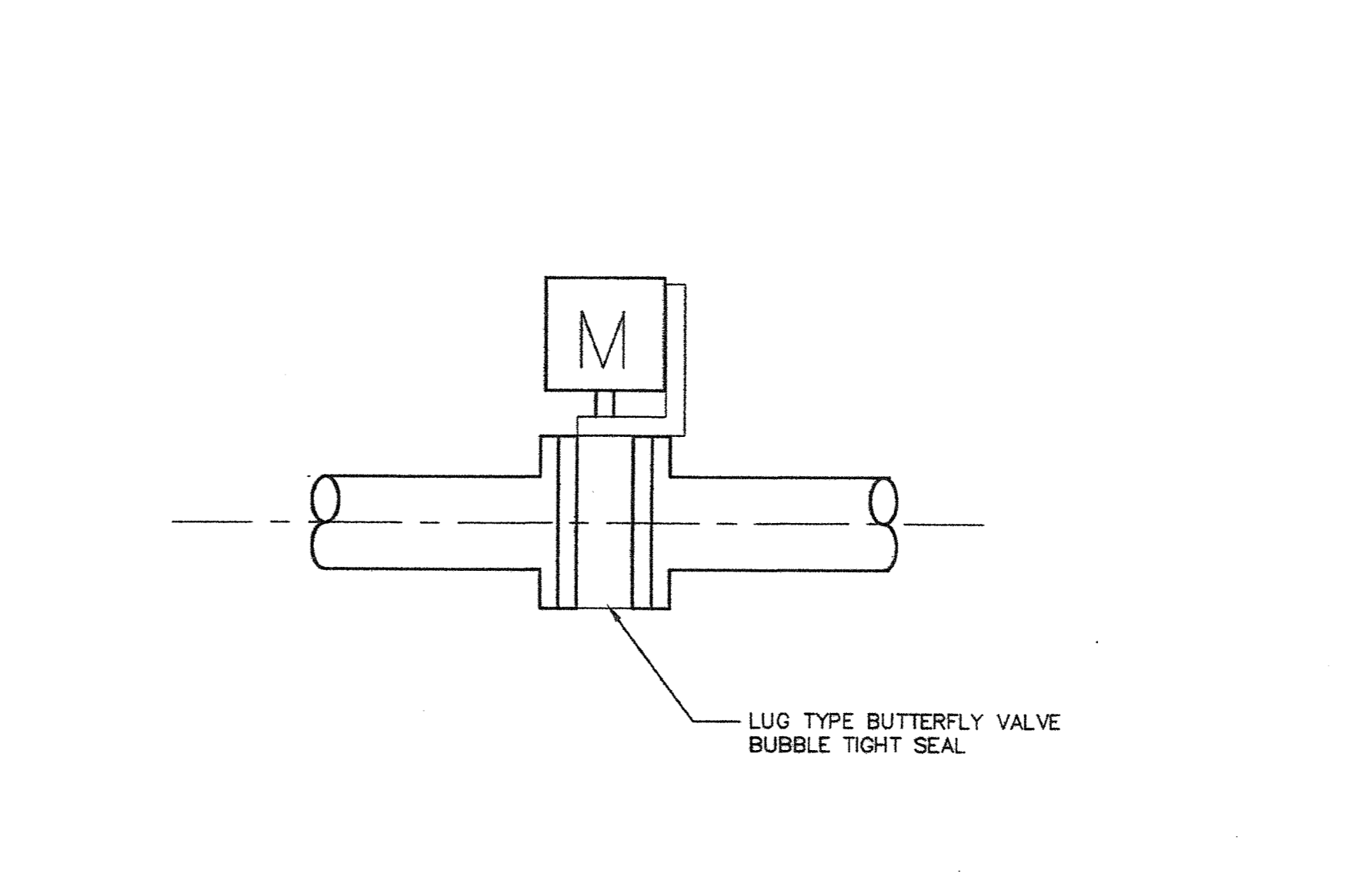
HEATING HOT WATER COIL PIPING

NOT TO SCALE



CHILLED WATER COIL PIPING

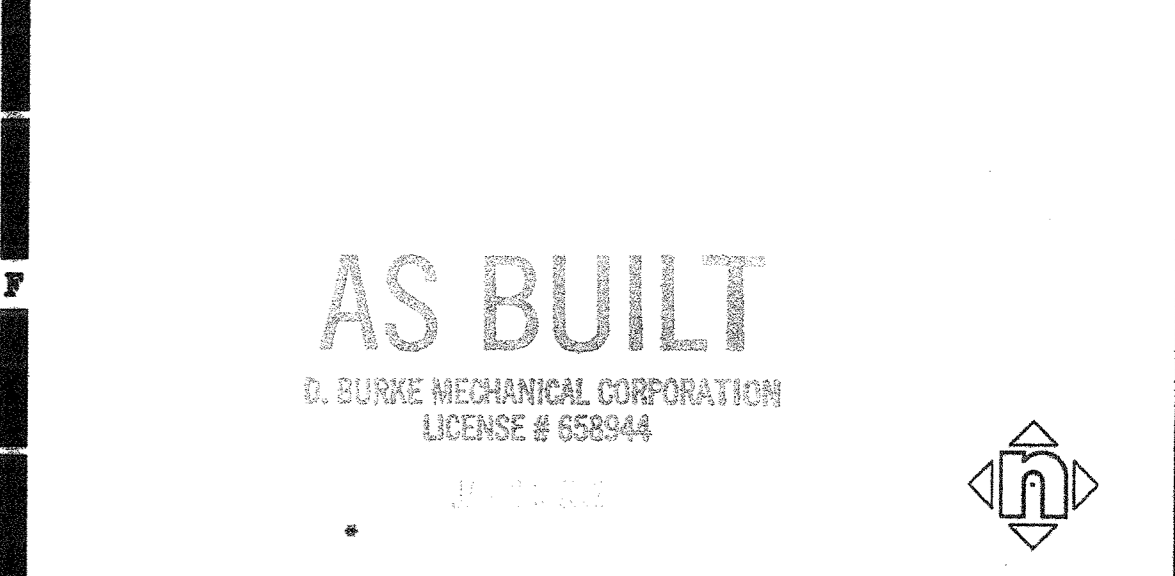
NOT TO SCALE



AUTOMATIC ISOLATION VALVE

NOT TO SCALE

KEY PLAN



Consultant's Seal
 REGISTERED PROFESSIONAL ENGINEER
 MECHANICAL
 No. 29096
 Exp. 6-30-02
 FILE No.
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL
 AC FLS SS
 DATE

IRVINE HIGH SCHOOL
 PORTION III - MODERNIZATION
 CENTRAL UTILITY SYSTEM
 UPGRADE - (RE-BID)
 4831 WALNUT AVENUE
 IRVINE, CA 92604-2284
 IRVINE UNIFIED SCHOOL DISTRICT

No	Revisions/Submissions	HMC GROUP 1997	Date

MECHANICAL SECTIONS AND DETAILS

Architect's Seal
 REGISTERED ARCHITECT
 IRVINE, CA
 No. C-20801
 State of California
 Designated
 MM
 Drawn
 TH
 Checked
 MM
 Reviewed
 Project No.
 3184004
 Scale
 AS NOTED
 Drawing No.
M-2
 Date
 4-10-01

SHEET NOTES

- 1 ALL DUCT BANKS SHALL BE INSTALLED A MINIMUM OF 24" BELOW FINISH GRADE.
- 2 ALL CONDUIT IN DUCT BANKS SHALL BE P.V.C. SCHEDULE 40 W/1/8" NYLON PULL CORD.
- 3 ENTIRE INSTALLATION SHALL BE IN ACCORDANCE WITH ALL GOVERNING CODES.
- 4 BACKFILL SHALL BE 90% COMPACTION.
- 5 ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATION OF DUCT BANKS, MANHOLES, ETC. WITH THE OWNER AND ALL OTHER TRADES I.E., SEWER, WATER, GAS LINES, FOOTLINES, ETC., TO AVOID CONFLICTS. NO EXTRAS WILL BE ALLOWED FOR CONTRACTORS FAILURE TO DO SO.
- 6 MARK WITH PERMANENT MARKERS, WHERE END OF ALL DUCT BANKS AND CONDUITS TERMINATE AND ANY DEVIATIONS FOR RUNS AS INDICATED ON PLANS.
- 7 ALL CONDUITS THAT ARE TO BE TERMINATED ABOVE GRADE SHALL HAVE RIGID GALVANIZED STEEL RISERS WITH LONG RADIUS SWEEPS ELBOWS FROM DUCT BANKS.
- 8 WHERE EXISTING ASPHALT PAVING OR CONCRETE IS CUT FOR NEW TRENCH RUNS, REPLACE WITH NEW MATERIALS TO MATCH EXISTING IN APPEARANCE, INSTALLATION AND THICKNESS.
- 9 OVERHEAD ABOVE TRELLIS

GENERAL NOTES

1. REVISE THE ROUTING AND PULLBOX LOCATION FOR THE ELECTRICAL CONDUIT RUN BETWEEN BUILDING D AND BUILDING E AS FOLLOWS: THE CONDUIT RISERS TO BE LOCATED WITHIN THE NEW PIPE CHASE ON THE BUILDING INTERIOR. TERMINATE CONDUITS RUNS IN PULL BOXES ABOVE FINISH CEILING.
2. THE CONDUITS ENTERING BUILDING D FROM BUILDING E SHALL BE LOCATED WITHIN THE EXISTING INTERIOR PIPE CHASE AND SHALL BE TERMINATED IN PULL BOXES ABOVE THE FIRST FLOOR FINISH CEILING.

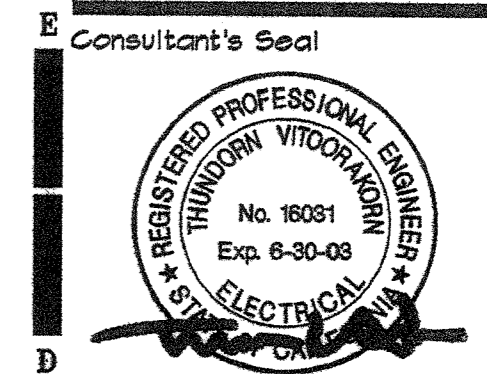
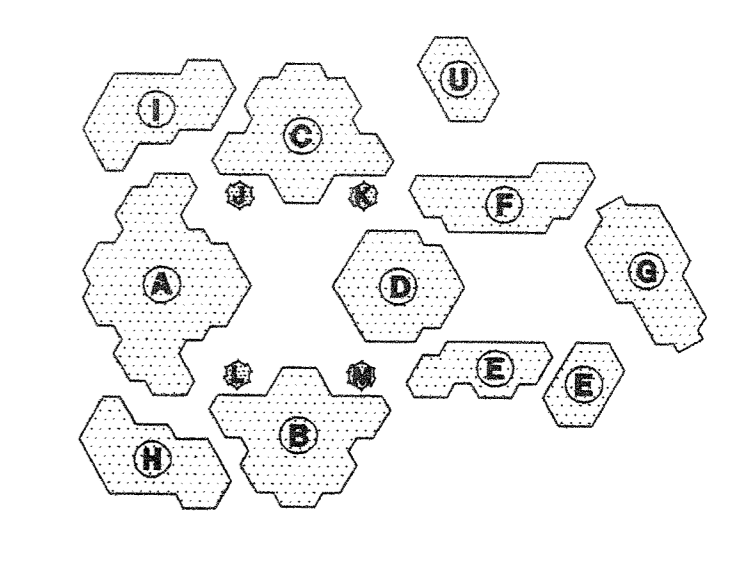
UNLESS SPECIFICALLY SHOWN ON THESE PLANS, NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DIVISION OF THE STATE ARCHITECT.

THE SEISMIC ANCHORAGE OF MECHANICAL AND ELECTRICAL EQUIPMENT SHALL BE CONFORM TO C.C.R. TITLE 24, 1998 CBC SECTION 1632A AND TABLE 16A-0. ANCHORAGE DETAILS FOR ROOF/FLOOR MOUNTED EQUIPMENT SHALL BE SHOWN ON PLANS.

AS BUILT

D. BURKE MECHANICAL CORPORATION
 LICENSE # 658644

KEY PLAN



FILE No. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 AC _____ FL. _____ SS _____
 DATE _____

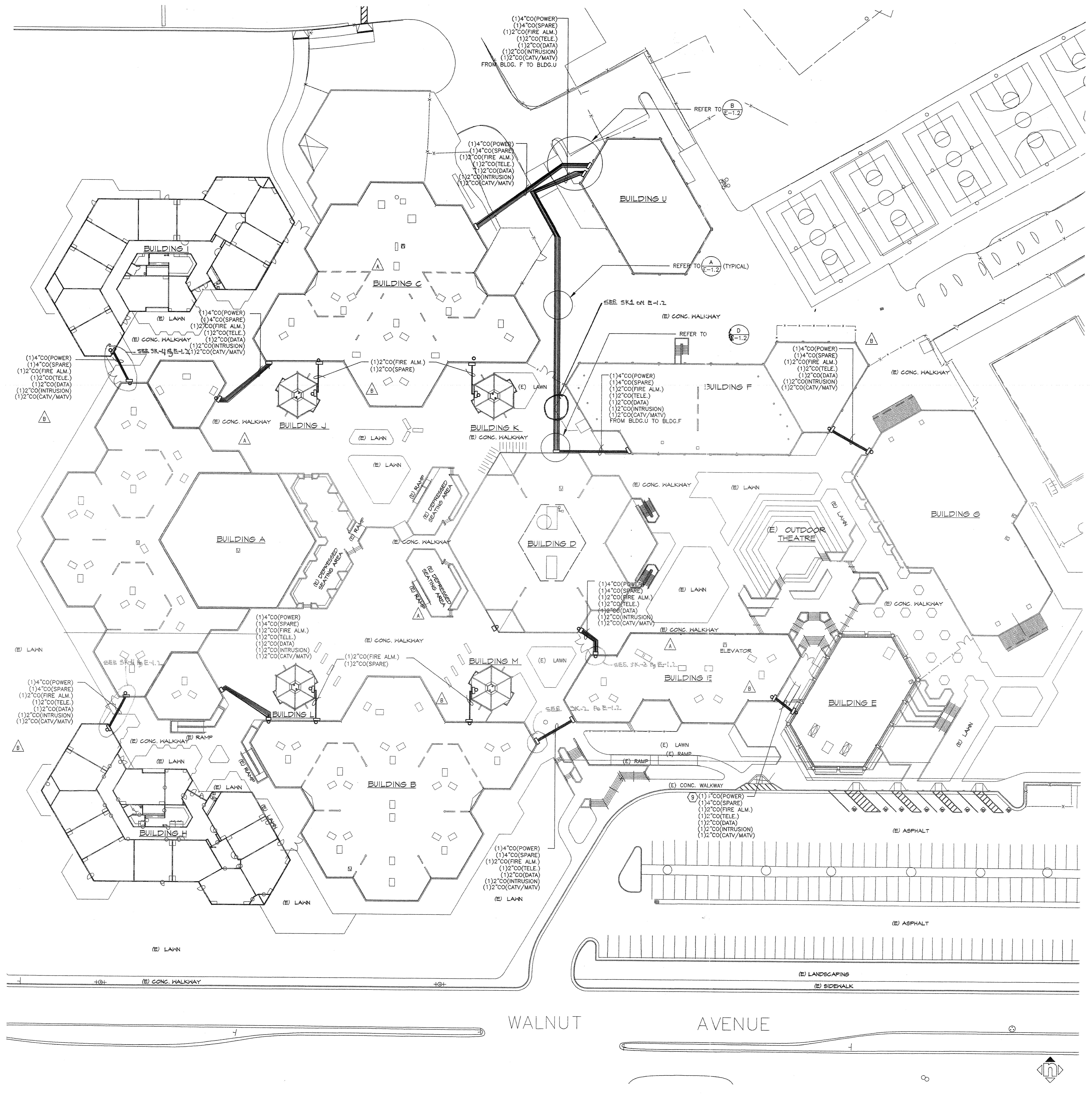


IRVINE HIGH SCHOOL
 PHASE III - MODERNIZATION
 (R-E-101)
 GENERAL UTILITY SYSTEM UPGRADE
 4521 WALNUT AVENUE
 IRVINE, CA 92604-2294
 IRVINE UNIFIED SCHOOL DISTRICT

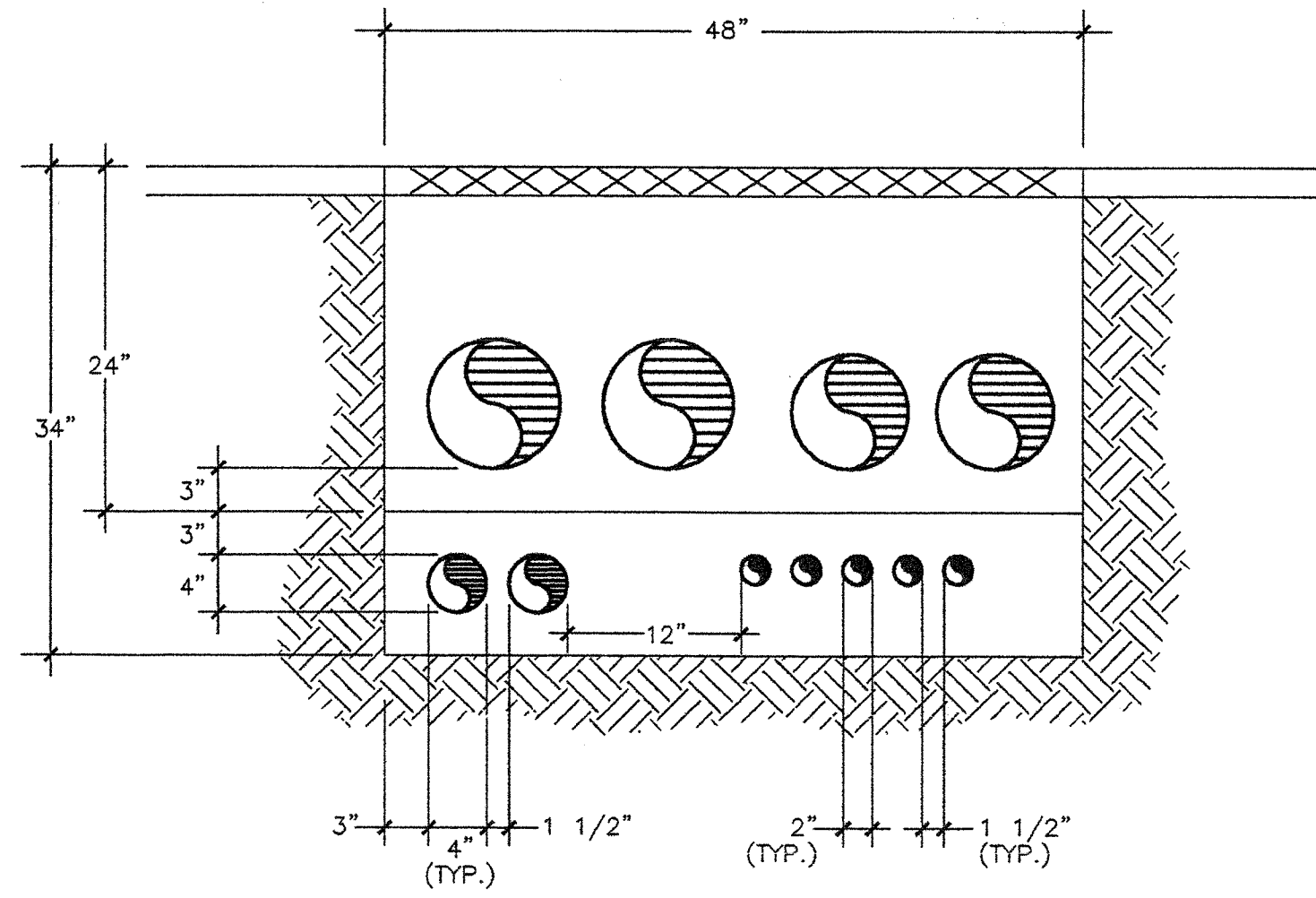
No.	Revisions/Submissions	Date
Δ	ADDENDUM #1 (DELETE LINE ABOVE ROOF.)	5-4-2000
Δ	ADDENDUM #2	3-9-2001

SITE PLAN

Architect's Seal	Designed DL	Project No. B184005-F3
	Drawn	Scale 1" = 30'
	Checked TV/DL	Drawing No. E-1.1
	Reviewed	
	Date 4-10-01	



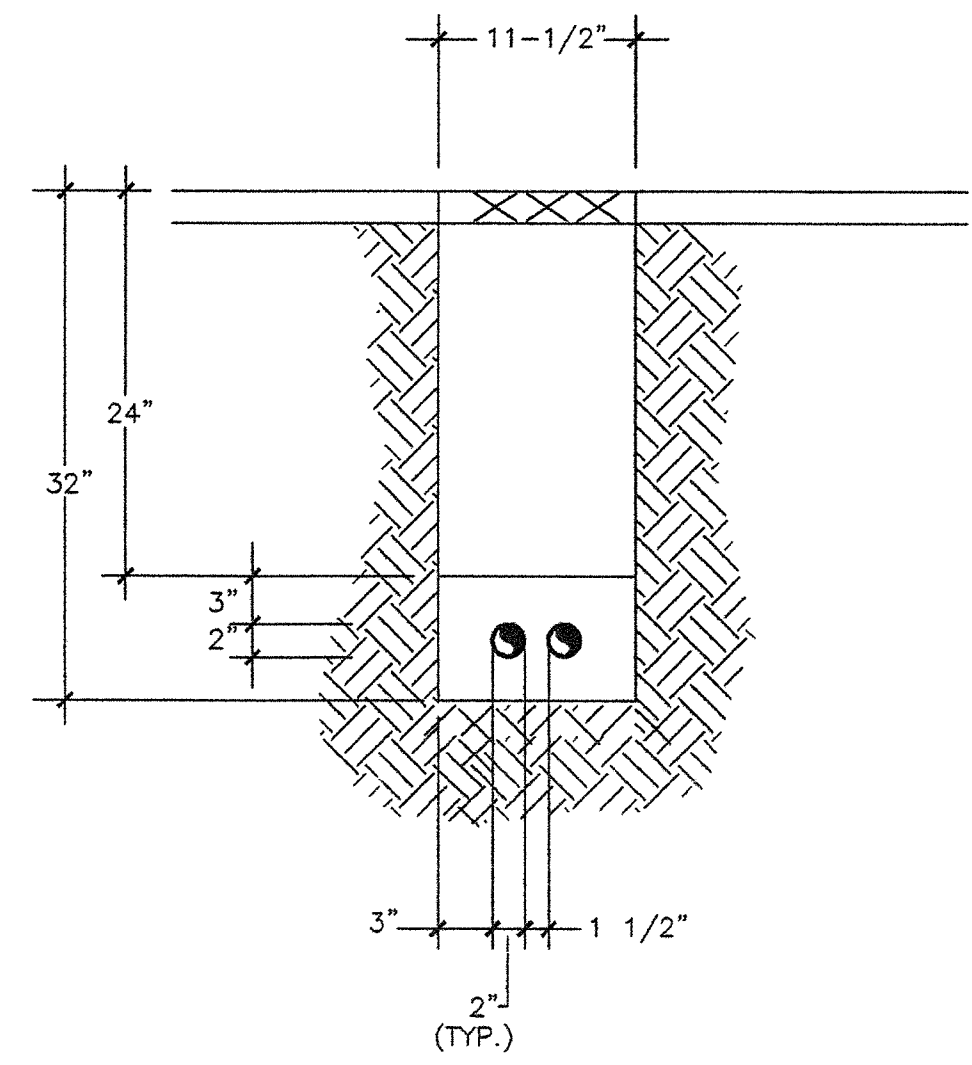
WALNUT AVENUE



NOTES:

- CONTRACTOR SHALL MAINTAIN 12" SEPARATION BETWEEN POWER AND SIGNAL.
- REQUIRED CONDUIT CLEARANCES IN TRENCH SHALL BE MAINTAINED USING COMBINATION OF "CARLON" BASE INTERMEDIATE SPACERS OR EQUAL.

MULTIPLE CONDUITS WITH CHILLED WATER PIPINGS



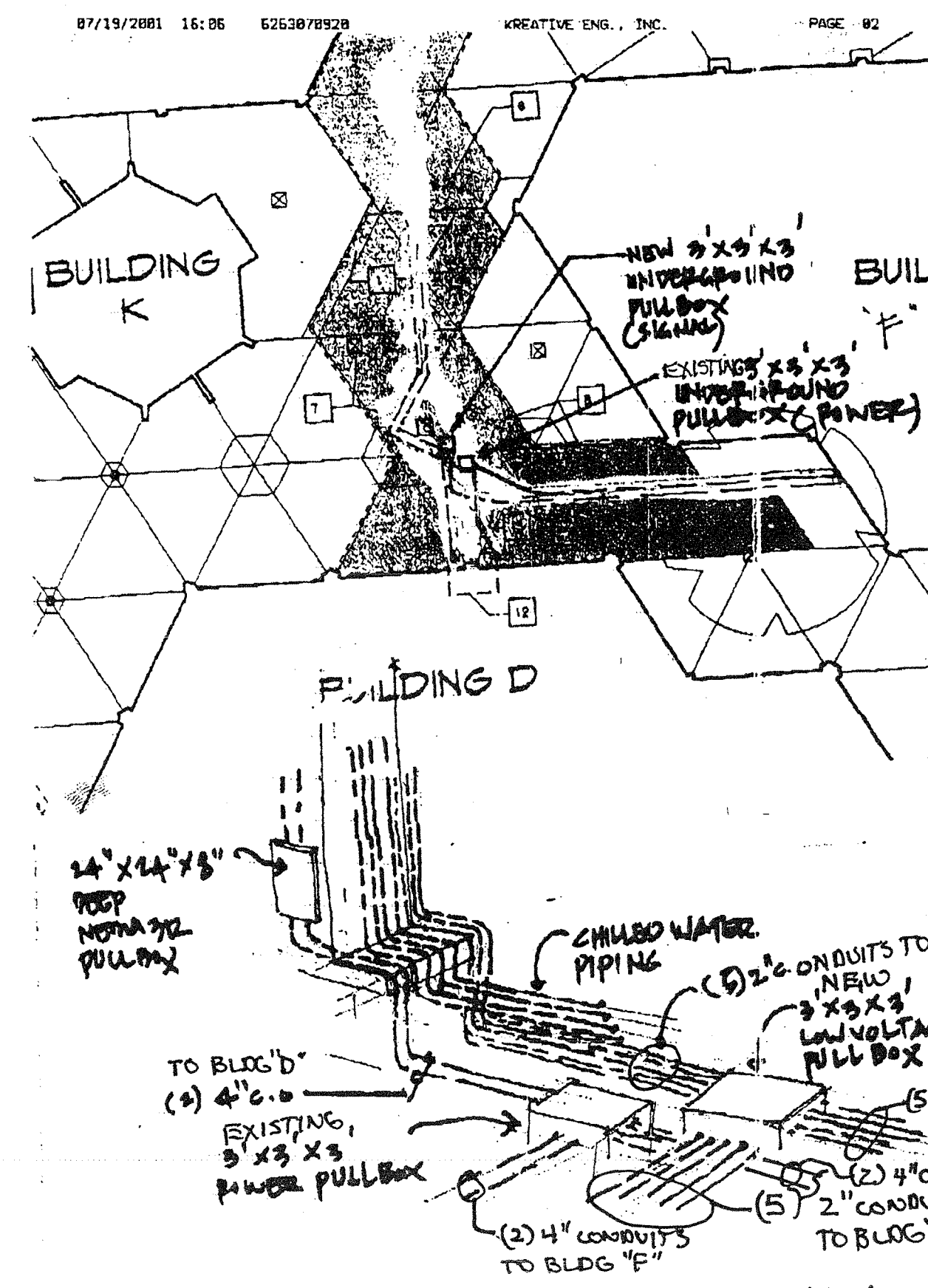
NOTES:

- REQUIRED CONDUIT CLEARANCES IN TRENCH SHALL BE MAINTAINED USING COMBINATION OF "CARLON" BASE INTERMEDIATE SPACERS OR EQUAL.

(2) 2" CONDUITS ONLY

PIPING IN TRENCH DETAIL

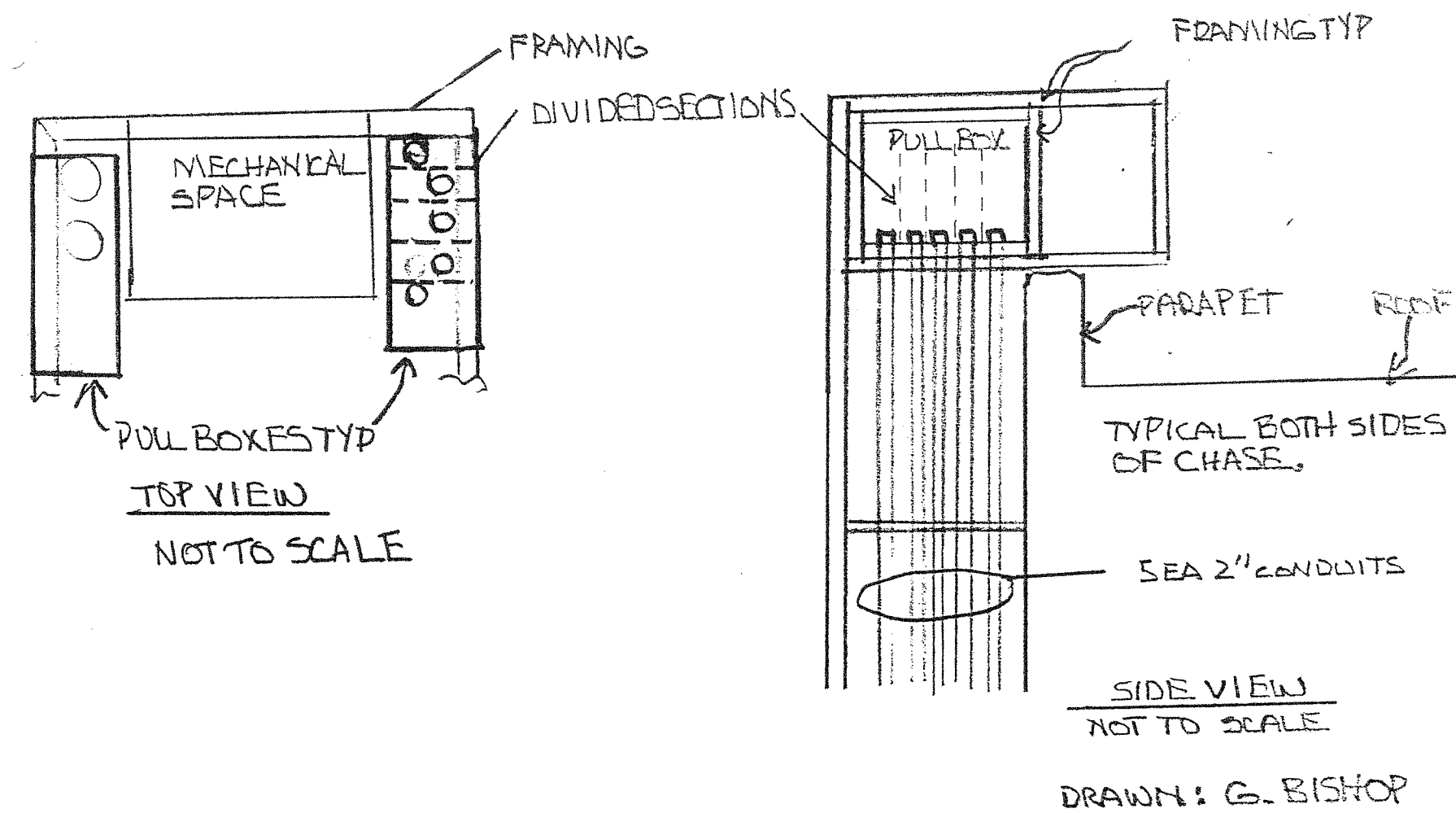
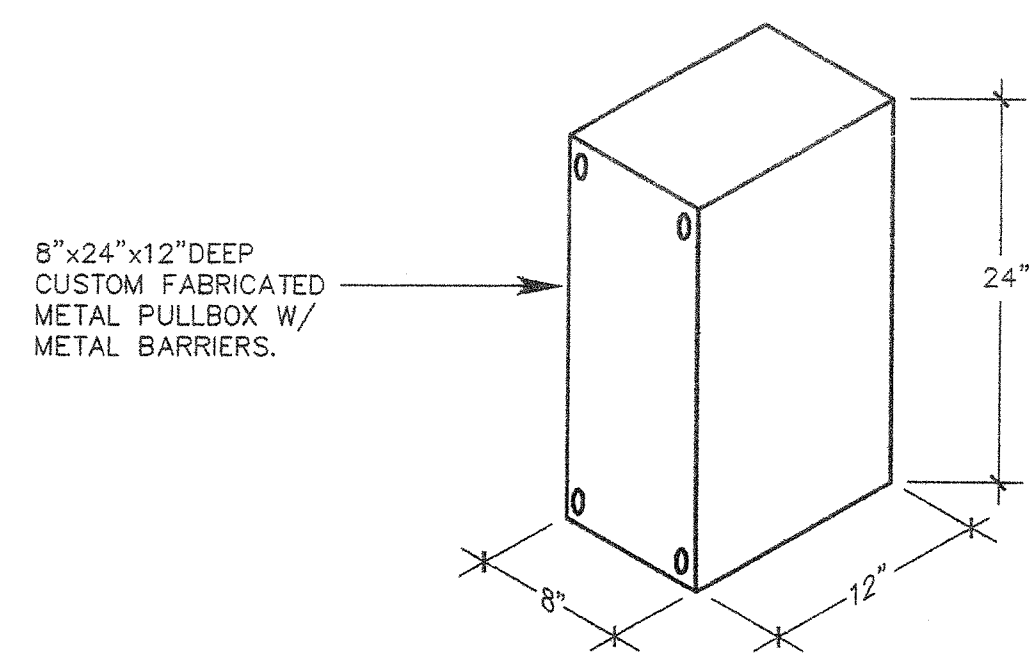
A
NO SCALE



SK-1

NEW 2X3X3 LOW VOLTAGE PULL BOX AND CONDUIT ROUTING BLDGS K, D & F

SK1
NO SCALE

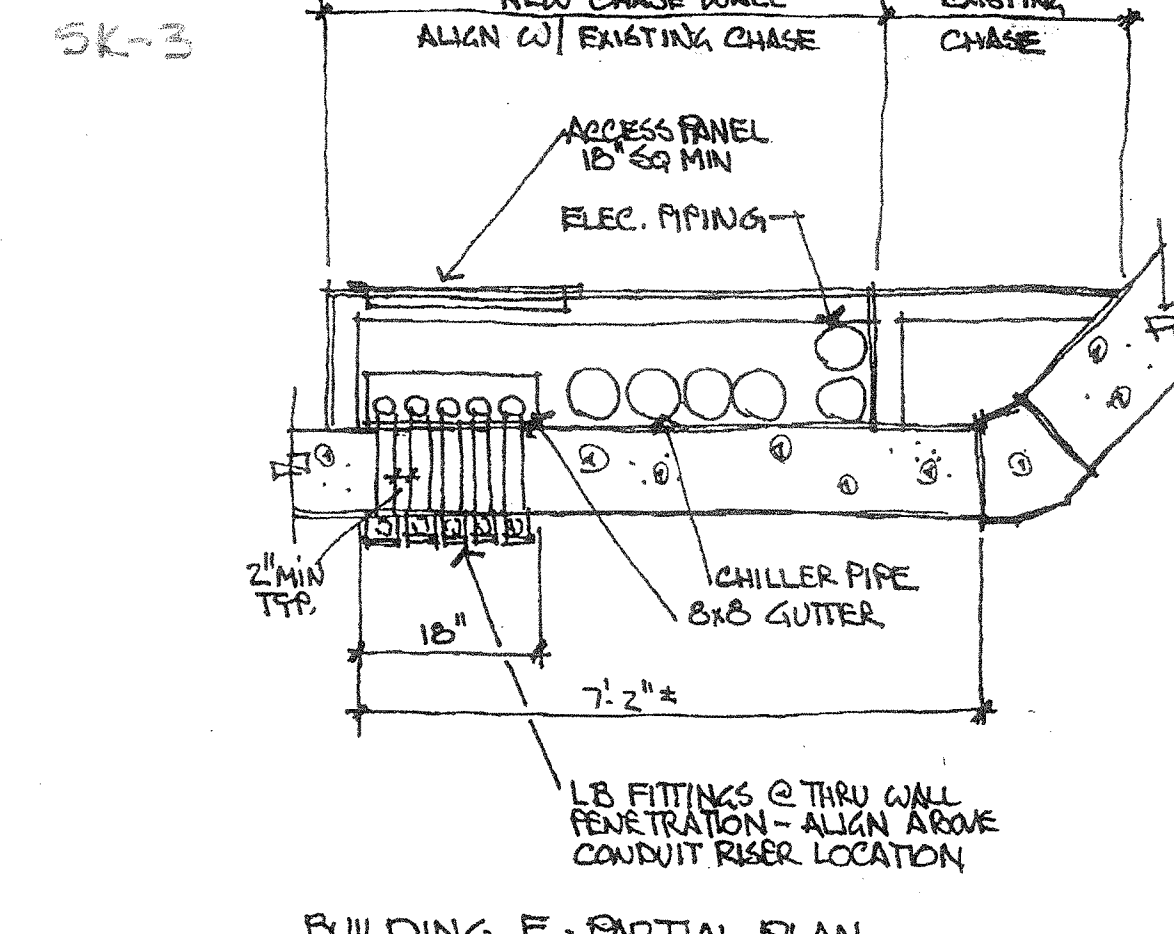
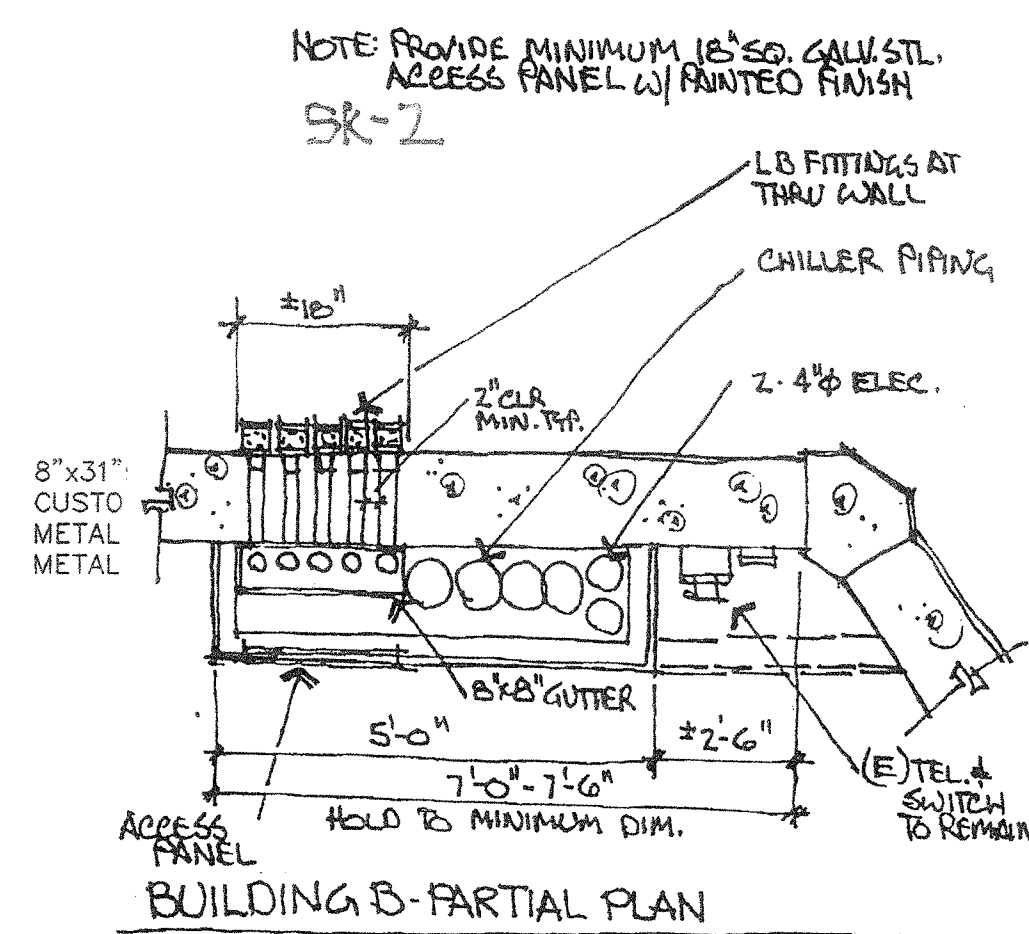


- ELEMINATE 90° BEND AT TOP OF PARAPET
- SET PULL BOXES FLUSH WITH EXTERIOR OF SIDING AND PAINT TO MATCH.
- THIS WILL ELEMINATE 180° OF BENDS IN EACH RUN AND KEEPUS AT ABOUT 210° OR LESS IN EACH RUN.

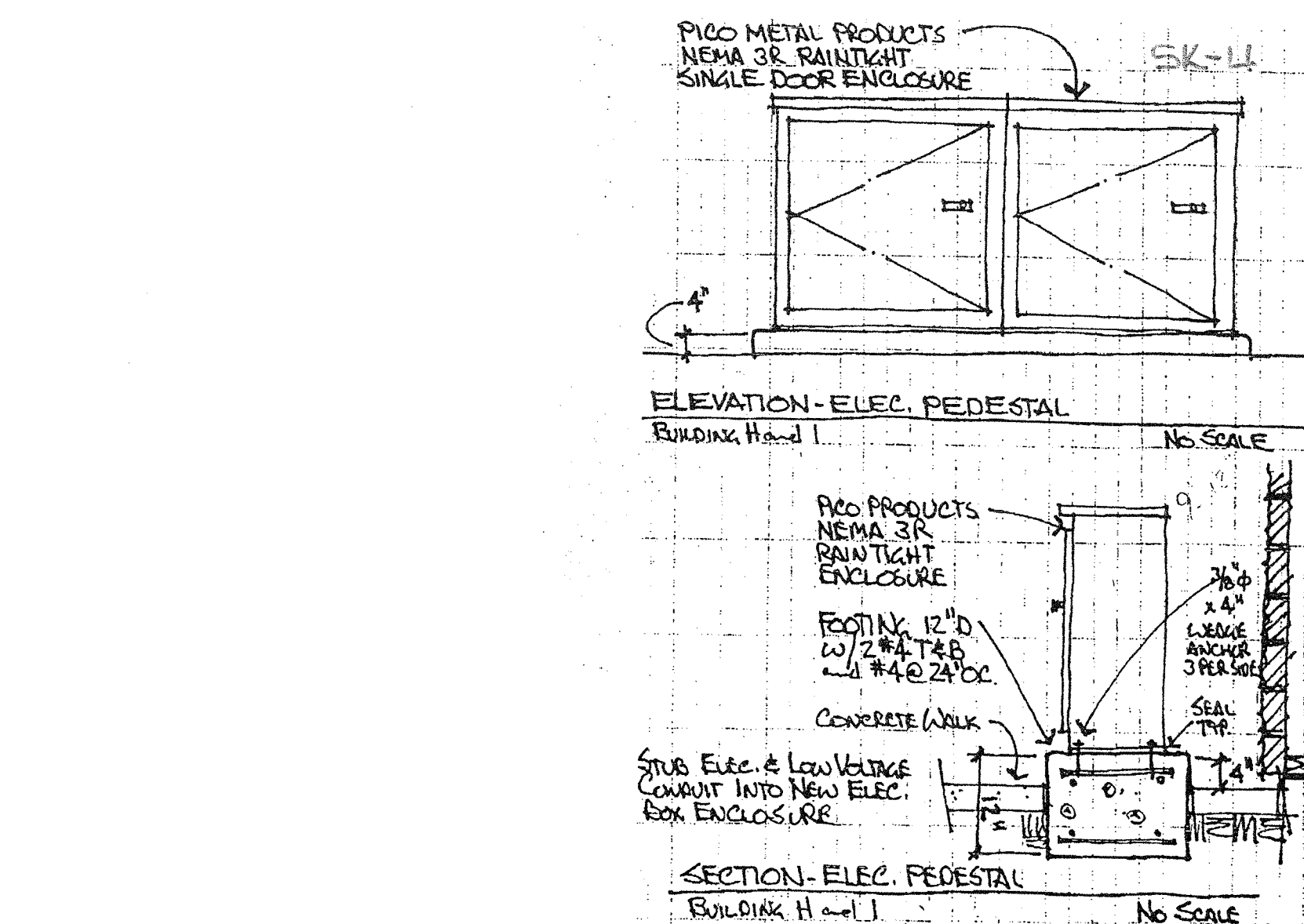
DRAWN: G. BISHOP

LOW VOLTAGE & POWER CONDUIT RISER AT PARAPET

D
NO SCALE



NOTE: PROVIDE MINIMUM 1/2\"/>

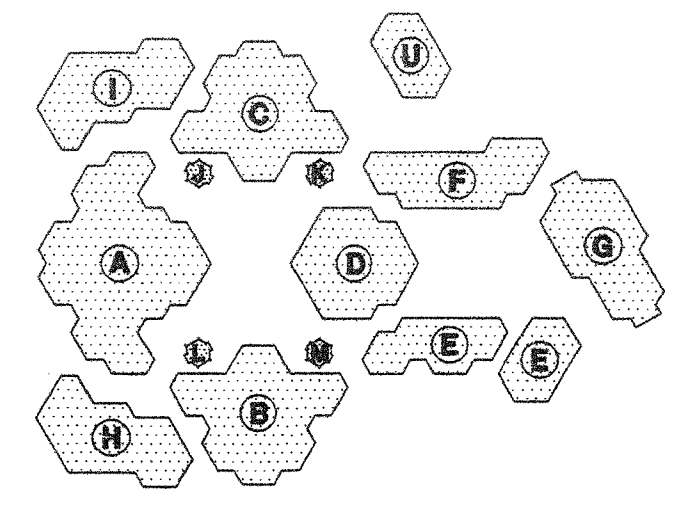


MISC. BLDG. DETAILS

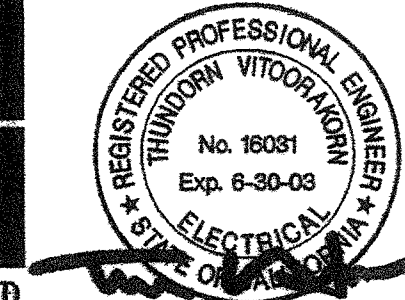
SK's
NO SCALE

AS BUILT
 D. BURKE MECHANICAL CORPORATION
 LICENSE # 658944

KEY PLAN



Consultant's Seal



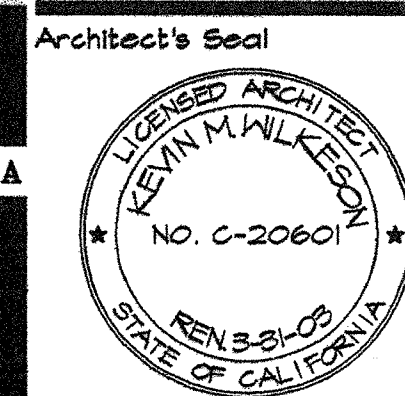
FILE No. _____
 IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 OFFICE OF REGULATION SERVICES
 APPL. _____
 AC. FLS. SS. _____
 DATE _____



IRVINE HIGH SCHOOL
 PHASE III - MODERNIZATION
 (NE-BLD)
 CENTRAL UTILITY SYSTEM UPGRADE
 4821 WALNUT AVENUE
 IRVINE, CA 92604-2284
 IRVINE UNIFIED SCHOOL DISTRICT

No.	Revisions/Submissions	Date

Architect's Seal



Designed	Project No.
DL	B184005-PS
Drawn	Scale
TV/DL	AS NOTED
Checked	Drawing No.
TV/DL	E-1.2
Reviewed	Date
	4-10-01