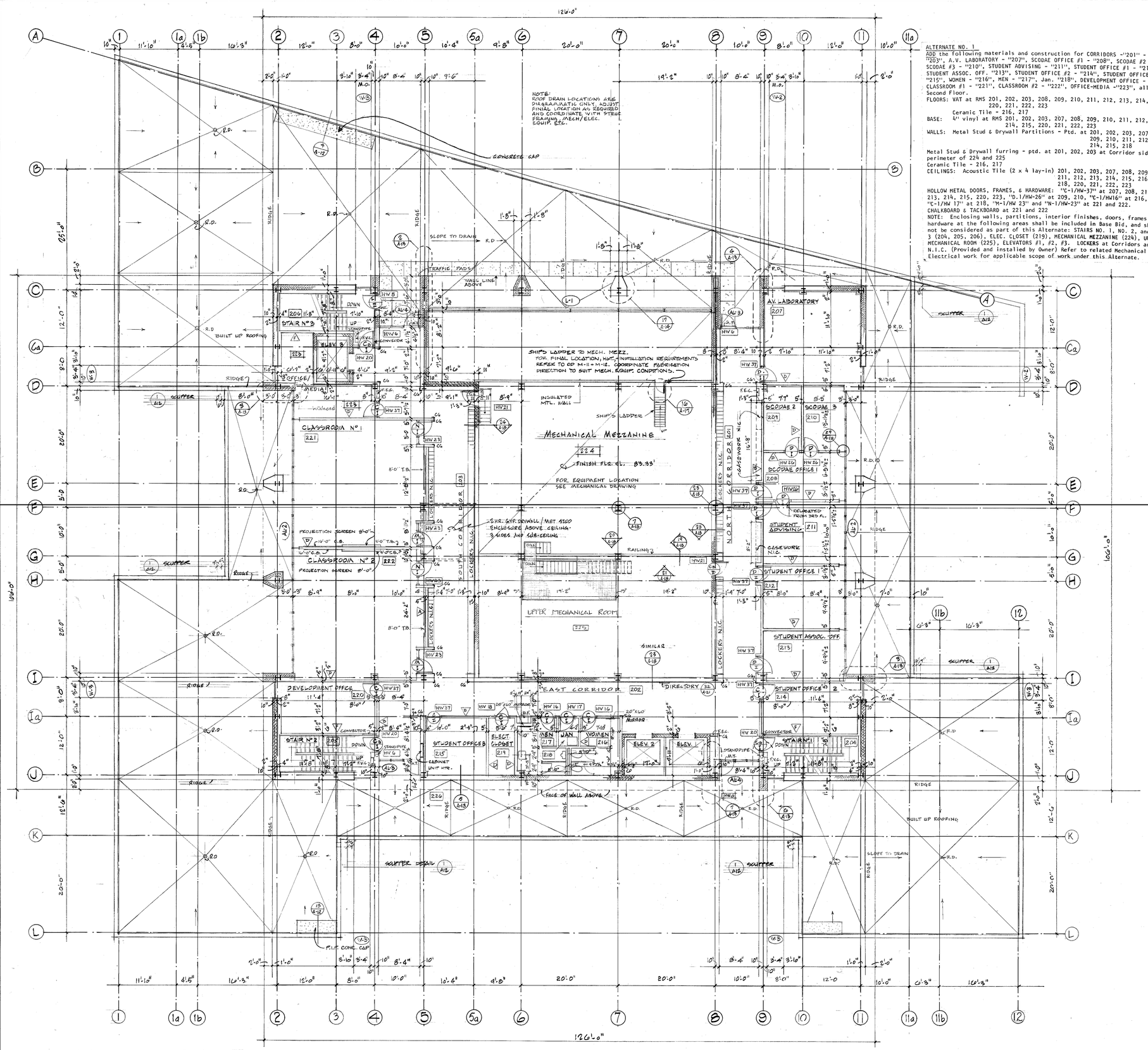
School of Pharmacy (SOP) – South Documents:

- A-2 Plan – Second Floor;
- A-5 Plan – Seventh Floor Penthouse & Roof;
- A-7 Exterior Elevations;
- A-11 Sections – Third Thru Seventh Floors;
- A-12 Wall Details First Floor;
- A-14 Wall Detail – Third Thru Seventh;
- A-15 Wall Details – Penthouse & Roof Exterior Elevations Penthouse;
- A-19 Miscellaneous Details;
- SOP Asbestos Report Roof dated 7/2/19; and
- SOP Pullout Test Report
- Infrared Roof Inspection dated 9/25/2019



ALTERNATE NO. 1

ADD the following materials and construction for CORRIDORS -"201" - "202" "203", A.V. LABORATORY - "207", SCODAE OFFICE #1 - "208", SCODAE #2 - "209", SCODAE #3 - "210", STUDENT ADVISING - "211", STUDENT OFFICE #1 - "212", STUDENT ASSOC. OFF. "213", STUDENT OFFICE #2 - "214", STUDENT OFFICE #3 - "215", WOMEN - "216", MEN - "217", Jan. "218", DEVELOPMENT OFFICE - "220", CLASSROOM #1 - "221", CLASSROOM #2 - "222", OFFICE-MEDIA -"223", all at Second Floor.

FLOORS: VAT at RMS 201, 202, 203, 208, 209, 210, 211, 212, 213, 214, 215, 220, 221, 222, 223
Ceramic Tile - 216, 217

BASE: 4" vinyl at RMS 201, 202, 203, 207, 208, 209, 210, 211, 212, 213, 214, 215, 220, 221, 222, 223

WALLS: Metal Stud & Drywall Partitions - Ptd. at 201, 202, 203, 207, 208, 209, 210, 211, 212, 213 214, 215, 218

Metal Stud & Drywall furring - ptd. at 201, 202, 203 at Corridor side perimeter of 224 and 225
Ceramic Tile - 216, 217

CEILINGS: Acoustic Tile (2 x 4 lay-in) 201, 202, 203, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 220, 221, 222, 223

HOLLOW METAL DOORS, FRAMES, & HARDWARE: "C-1/HW-37" at 207, 208, 211, 212, 213, 214, 215, 220, 223, "D.1/HW-26" at 209, 210, "C-1/HW16" at 216, 217, "C-1/HW 17" at 218, "M-1/HW 23" and "N-1/HW-23" at 221 and 222.

CHALKBOARD & TACKBOARD at 221 and 222

NOTE: Enclosing walls, partitions, interior finishes, doors, frames and hardware at the following areas shall be included in Base Bid, and shall not be considered as part of this Alternate: STAIRS NO. 1, NO. 2, and NO. 3 (204, 205, 206), ELEC. CLOSET (219), MECHANICAL MEZZANINE (224), UPPER MECHANICAL ROOM (225), ELEVATORS #1, #2, #3. LOCKERS at Corridors are N.I.C. (Provided and installed by Owner) Refer to related Mechanical and Electrical work for applicable scope of work under this Alternate.

ROOM NO.	SPACE DESIGNATION	FLOOR	BASE	WALLS	CEILING	CLG. HGT.	REMARKS
201	NORTH CORRIDOR	V.A.T.	4" Vinyl Cove	Drywall Ptd. (Acrylic Epoxy)	Acoustical Tile Type -1	8'-8"	
202	EAST CORRIDOR	V.A.T.	4" Vinyl cove	Drywall Ptd. (Acrylic epoxy)	Acoustical Tile Type -1	8'-0"	
203	SOUTH CORRIDOR	V.A.T.	4" Vinyl cove	Drywall Ptd. (Acrylic epoxy)	Acoustical Tile Type -1	8'-0"	(Locker Corridor)
204	STAIR NO. 1	Hardened Concrete *	Ptd. Stl. stringer	Drywall Ptd. (acrylic epoxy)	Cement Plaster (Unptd)	varies	*Cast alum.abra.nos'g Terr.tile 2nd flr.ldg.
205	STAIR NO. 2	Hardened Concrete *	Ptd. Stl. stringer	Drywall Ptd. (acrylic epoxy)	Cement Plaster (Unptd)	varies	*Cast alum.abra.nos'g Terr.tile 2nd flr.ldg.
206	STAIR NO. 3	Hardened Concrete *	Ptd. stl. stringer	Drywall ptd. (acrylic epoxy)	Cement Plaster (Unptd.)	varies	* Cast alum.abra.nos'g
207	A.V. LAB.	Carpet	4" vinyl cove	Drywl.Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
208	SCODAE OFFICE NO. 1	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	*
209	SCODAE OFFICE NO. 2	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
210	SCODAE OFFICE NO. 3	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
211	STUDENT ADVISING	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	*
212	STUDENT OFFICE #1	V.A.T.	4" vinyl cove	Drywall Ptd. (Alkyd enamel)	Acoust. Tile Type -1	8'-8"	
213	STUDENT ASSOC. OFFICE	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
214	STUDENT OFFICE NO. 2	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
215	STUDENT OFFICE NO. 3	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
216	WOMEN (TOILET)	Ceramic Tile	Cer. Tile Cove Base	Ceramic Tile	Acoust. Tile Type -1	8'-8"	
217	MEN (TOILET)	Ceramic Tile	Cer.Tile Cove Base	Ceramic Tile	Acoust. Tile Type -1	8'-8"	
218	JANITOR	Hardened Conc.	4" vinyl cove	Drywall Ptd. (Acrylic epoxy)	Acoust. Tile Type -1	8'-8"	
219	ELECT.CLOSET	Hardened Concrete	4" vinyl cove	Drywall Ptd. (acrylic epoxy)	Exposed Struct. Unptd.		
220	DEVELOPMENT OFFICE	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
221	CLASSROOM #1	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	12'-0"	
222	CLASSROOM #2	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	12'-0"	
223	OFFICE/MEDIA	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"& 12'-0"	
224	MECHANICAL MEZZANINE	Hardened Conc. Unptd.	8" CMU Unptd.	Acoust. CMU Unptd.	Exp. struct. w/ Sprayed-on f.p.		
225	UPPER MECH. (OPEN to 1st fl)			Acoust. CMU Unptd.	Exp. struct. w/ Sprayed-on f.p.		

GENERAL NOTE: ALL EXTERIOR OVERHANG SOFFITS TO BE SAND FINISH PORTLAND CEMENT PLASTER, 12'-0" HIGH.

GENERAL NOTES:

1. See DWG. CD/A18 for interior partition types and construction, fire protection and rating requirements for separation of areas and structural steel protection.
2. See DWG. CD/A17 for Elevator Details.
3. See DWG. CD/A16 for Stair Details.
4. See DWG. CD/A20 for Door, Frame and Entrance Schedules and Details
5. See DWG. CD/A22 for Laboratory Casework Schedule
6. See DWG. CD/A6 for typical acoustic ceiling and layouts.

scale 1/8"=1'

PLAN - SECOND FLOOR

NES, CAMPBELL & PARTNERS / MILLER, SCHUERHOLZ & ASSOCIATES, INC.
ARCHITECTS — MECHANICAL- ELECTRICAL ENGINEERS
LAMPRECHT CONSULTANTS — STRUCTURAL ENGINEERS
DAVID LAWSON GREGORY & ASSOCIATES — CIVIL ENGINEERS

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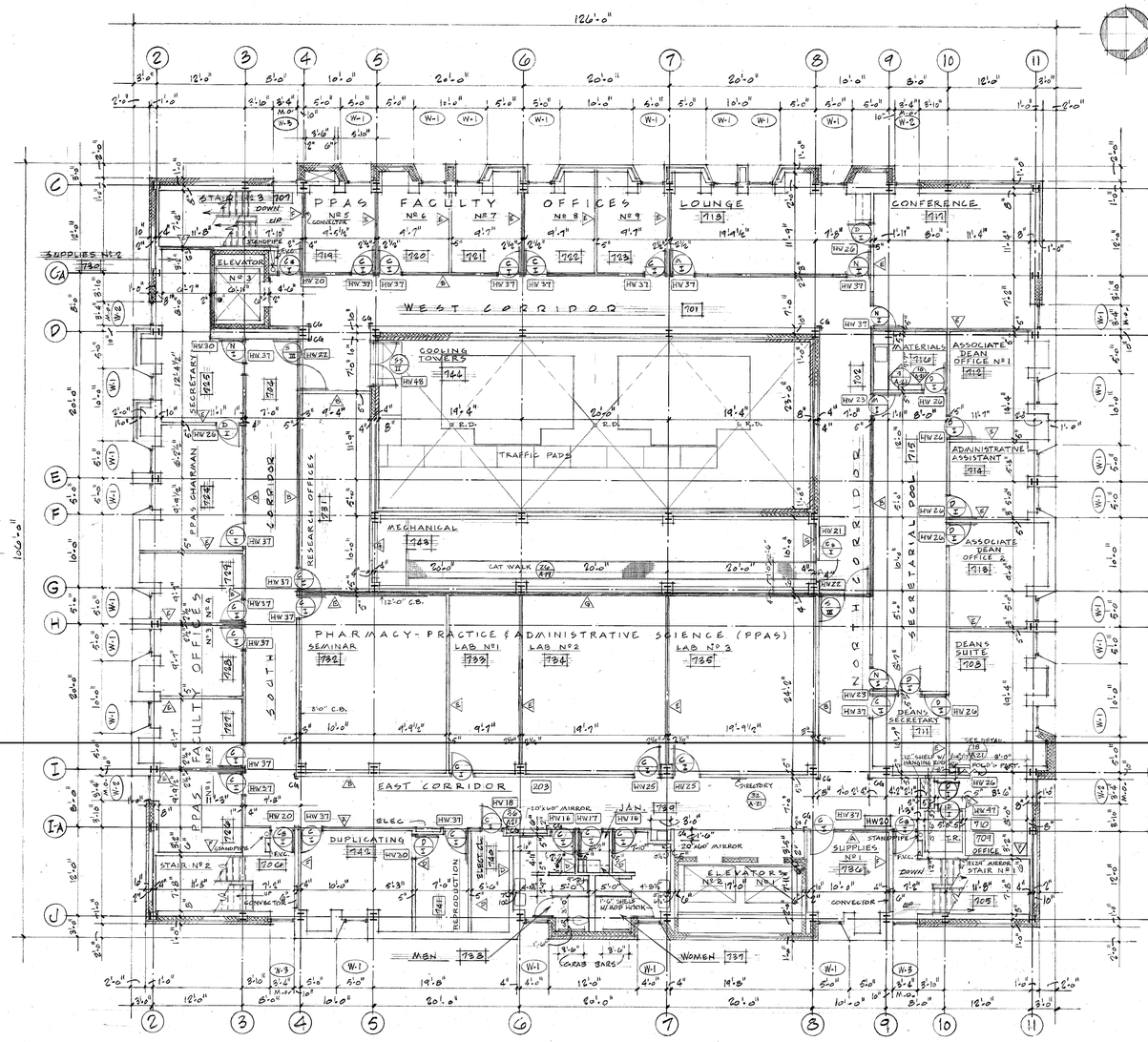
APPROVED
S. Gelfand 2/27
Marshall Meland 2/26/80
DIRECTOR OF PHYSICAL PLANT

REVISIONS
12-1-82 RECORD DRAWINGS

SCHOOL OF PHARMACY
UNIVERSITY OF MARYLAND
BALTIMORE

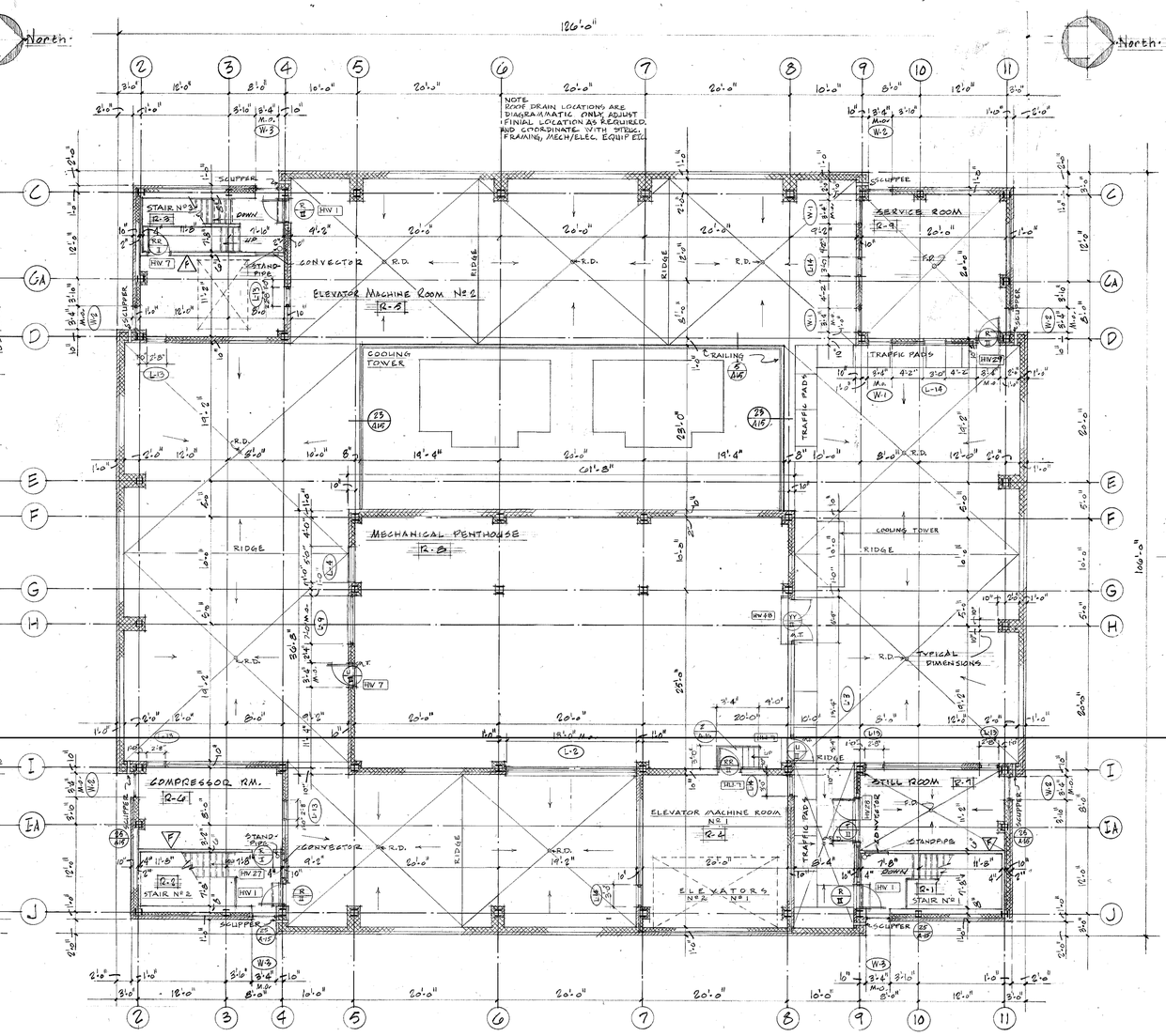
DWG. NO. CD A-2
PROJECT NO. UB-713
DATE: 2-28-80

FILE NO. 19 - DWG. NO. 1726
841/UB-713 A-2



SEVENTH FLOOR PLAN

SMOKE PARTITION



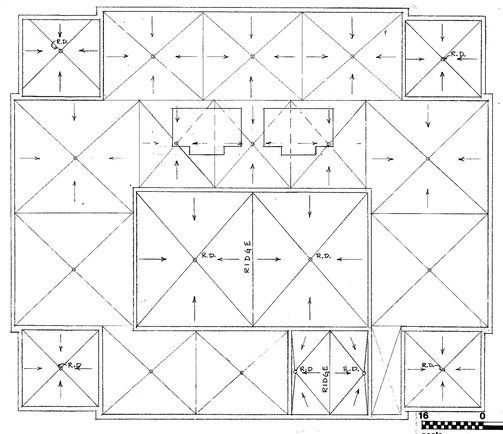
PENTHOUSE FLOOR PLAN

ROOM NO.	SPACE DESIGNATION	FLOOR	BASE	WALLS	CEILING	CLG. HGT.	REMARKS
701	WEST CORRIDOR	V.A.T.	4" vinyl cove	Drywall Ptd. (Acrylic epoxy)	Acoust. Tile Type -1	8'-0"	
702	NORTH CORRIDOR	V.A.T.	4" vinyl cove	Drywall Ptd. (acrylic epoxy)	Acoust. Tile Type -1	8'-0"	
703	EAST CORRIDOR	V.A.T.	4" vinyl cove	Drywall Ptd. (acrylic epoxy)	Acoust. Tile Type -1	8'-0"	
704	SOUTH CORRIDOR	V.A.T.	4" vinyl cove	Drywall Ptd. (acrylic epoxy)	Acoust. Tile Type -1	8'-0"	
705	STAIR NO. 1	Hardened Concrete *	Ptd. Stl. stringer	Drywall Ptd. (acrylic epoxy)	Cement Plaster	varies	
706	STAIR NO. 2	Hardened Concrete *	Ptd. Stl. stringer	Drywall Ptd. (acrylic epoxy)	Cement Plaster	varies	
707	STAIR NO. 3	Hardened Concrete	Ptd. Stl. stringer	Drywall Ptd. (acrylic epoxy)	Cement Plaster	varies	
708	DEAN'S SUITE	Carpet	4" vinyl cove	Drywall w/ vinyl wall covering	Acoust. Tile Type -1	8'-8"	
709	OFFICE (w/coat cl.)	Carpet	4" vinyl cove	Drywall w/ vinyl wall covering	Acoust. Tile Type -1	8'-8"	
710	T.R.	Ceramic Tile	Cer. Tile w/cove	Ceramic Tile	Acoust. Tile Type -1	8'-8"	
711	DEAN'S SECRETARY	Carpet	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
712	ASSOCIATE DEAN NO. 1	Carpet	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
713	ASSOCIATE DEAN NO. 2	Carpet	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
714	ADMIN. ASSISTANT	Carpet	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
715	SECRETARIAL POOL	Carpet	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
716	MATERIALS	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
717	CONFERENCE	Carpet	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
718	LOUNGE	Carpet	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
719	PPAS FAC.OFF. NO. 5	Carpet	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
720	PPAS FAC. OFF. NO. 6	Carpet	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
721	PPAS FAC. OFF. NO. 7	Carpet	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
722	PPAS FAC. OFF. NO. 8	Carpet	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
723	PPAS FAC. OFF. NO. 9	Carpet	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
724	PPAS CHAIRMAN SECRETARY	Carpet	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
725	PPAS FAC. OFF. NO. 1	Carpet	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
726	PPAS FAC. OFF. NO. 2	Carpet	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
727	PPAS FAC. OFF. NO. 3	Carpet	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
728	PPAS FAC. OFF. NO. 4	Carpet	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
729	PPAS FAC. OFF. NO. 4	Carpet	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
730	SUPPLIES NO. 2	V.A.T.	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	

ROOM NO.	SPACE DESIGNATION	FLOOR	BASE	WALLS	CEILING	CLG. HGT.	REMARKS
731	RESEARCH OFFICES	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
732	PPAS SEMINAR	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
733	PPAS LAB. NO. 1	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
734	PPAS LAB. NO. 2	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
735	PPAS LAB. NO. 3	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
736	SUPPLIES NO. 1	V.A.T.	4" vinyl cove	Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
737	WOMEN	Ceramic Tile	Cer. Tile w/cove	Ceramic Tile	Acoust. Tile Type -1	8'-8"	
738	MEN	Ceramic Tile	Cer. Tile w/cove	Ceramic Tile	Acoust. Tile Type -1	8'-8"	
739	JANITOR	Hardened Concrete	4" vinyl cove	Drywall Ptd. (acrylic epoxy)	Acoust. Tile Type -1	8'-0"	
740	ELECTRICAL CL.	Hardened Concrete	4" vinyl cove	CMU & Drywall Ptd. (acrylic epoxy)	Exposed Structure Unptd.		
741	REPRODUCTION	V.A.T.	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
742	DUPLICATING	V.A.T.	4" vinyl cove	CMU & Drywall Ptd. (alkyd enamel)	Acoust. Tile Type -1	8'-8"	
743	MECHANICAL	Steel Grating		CMU & Drywall Unptd.	Exposed Struct.		
744	COOLING TOWER	Built-up Roofing		Common Brick			

ROOM NO.	SPACE DESIGNATION	FLOOR	BASE	WALLS	CEILING	CLG. HGT.	REMARKS
R-1	STAIR NO. 1	Hardened Concrete *	Ptd. Stl. stringer	Drywall Ptd. (acrylic epoxy)	Cement Plaster	See Sect.	* Cast alum. abra. nos'g.
R-2	STAIR NO. 2	Hardened Concrete *	Ptd. Stl. stringer	Drywall Ptd. (acrylic epoxy)	Cement Plaster	See Sect.	* Cast alum. abra. nos'g.
R-3	STAIR NO. 3	Hardened Concrete *	Ptd. Stl. stringer	Drywall Ptd. (acrylic epoxy)	Cement Plaster	See Sect.	* Cast alum. abra. nos'g.
R-4	ELEVATOR MACH. RM. #1	Hardened Concrete *		CMU Unptd.	Exposed Struct. Unptd.		* Cast alum. abra. nos'g.
R-5	ELEVATOR MACH. RM. #2	Hardened Concrete *		CMU Unptd.	Exposed Struct. Unptd.		* Cast alum. abra. nos'g.
R-6	COMPRESSOR ROOM	Hardened Concrete *		CMU Unptd.	Exposed Struct. Unptd.		
R-7	STILL ROOM	Hardened Concrete *		CMU Unptd.	Exposed Struct. Unptd.		
R-8	MECHANICAL PENTHOUSE	Hardened Concrete *		CMU Unptd.	Exposed Struct. Unptd.		
R-9	SERVICE ROOM	Hardened Concrete *		CMU Unptd.	Exposed Struct. Unptd.		
R-10	ROOF PARAPET			Inside Wall Common Brick			

ROOM NO	SPACE DESIGNATION	FLOOR	BASE	WALLS	CEILING	CLG. HGT.	REMARKS
E-1	ELEVATOR NO. 1	Terr. Tile Mat.Int fl.Lob.	*	*	*	*	* See Spec. & Dets.
E-2	ELEVATOR NO. 2	Terr. Tile Mat.Int fl.Lob.	*	*	*	*	* See Spec. & Dets.
E-3	ELEVATOR NO. 3	VAT Match 2nd flr. Corr.	*	*	*	*	* See Spec. & Dets.



PLAN - SEVENTH FLOOR PENTHOUSE & ROOF

GENERAL NOTES:

1. See DWG. CD/A18 for interior partition types and construction, fire protection and rating requirements for separation of areas and structural steel protection.
2. See DWG. CD/A17 for Elevator Details.
3. See DWG. CD/A16 for Stair Details.
4. See DWG. CD/A20 for Door, Frame and Entrance Schedules and Details
5. See DWG. CD/A22 for Laboratory Casework Schedule
6. See DWG. CD/A6 for typical acoustic ceiling and layouts.

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CHANCELLOR
UNIVERSITY OF MARYLAND AT BALTIMORE

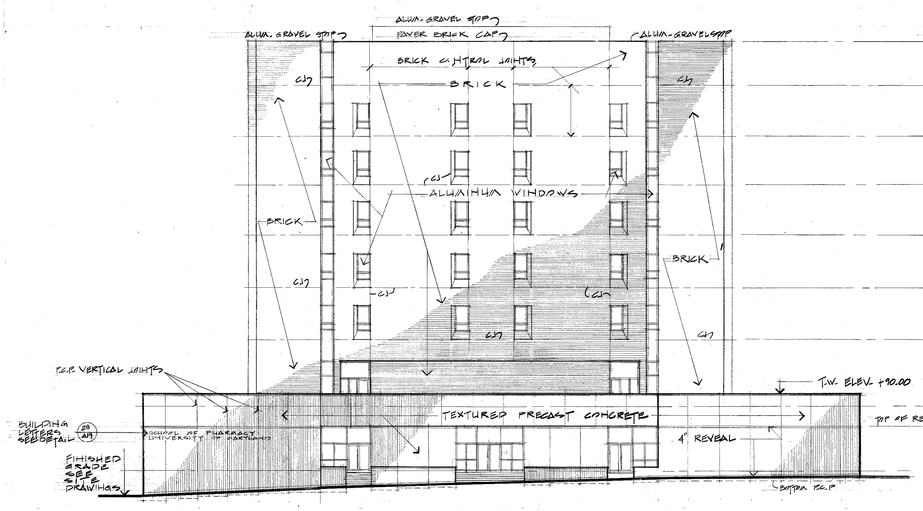
Marshall McCall Jr. 2/26/80

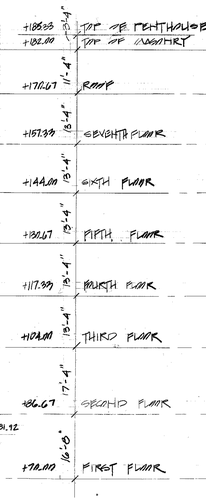
REVISIONS
12-1-82 RECORD DRAWINGS

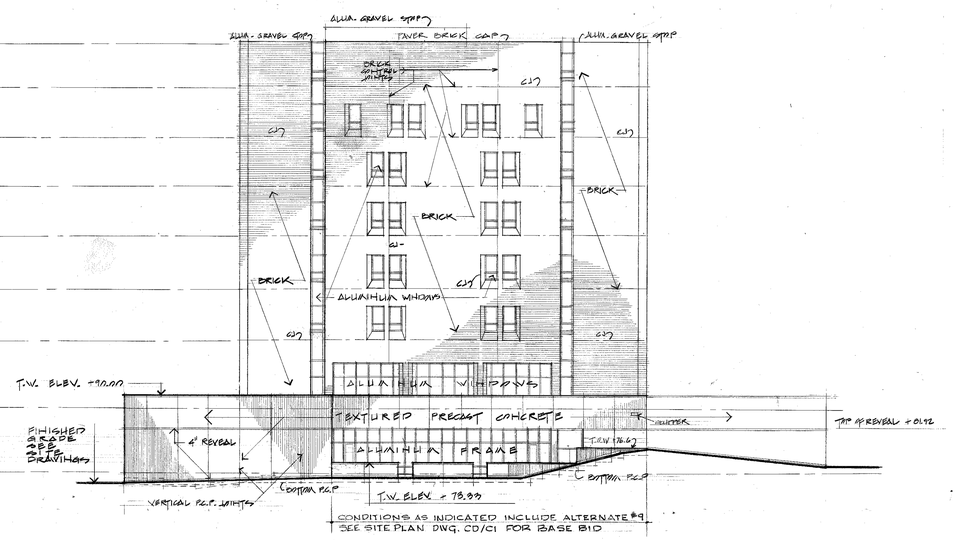
SCHOOL OF PHARMACY
UNIVERSITY OF MARYLAND
BALTIMORE

DWG. NO. CD A-5
PROJECT NO. UB-713
DATE: 2-28-80

FILE NO: 19 - DWG. NO. 1729 8-1/UB-713/A-5

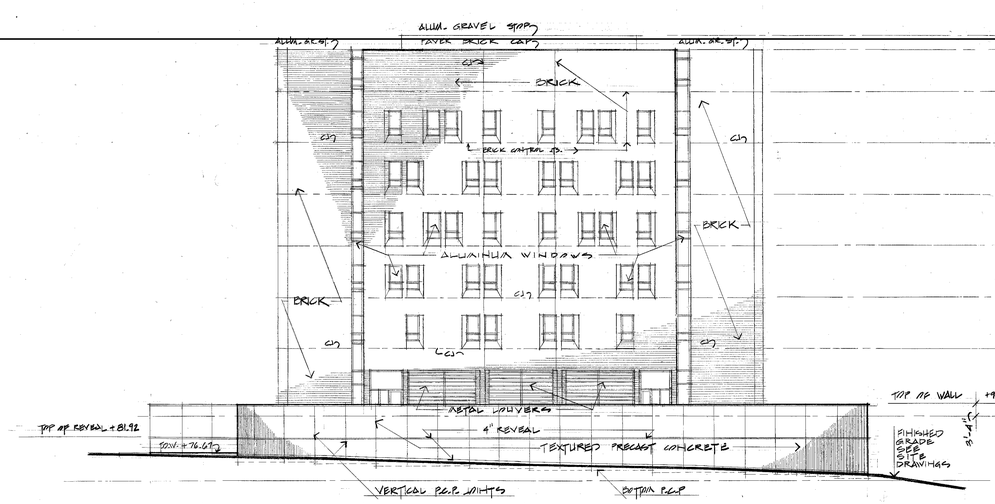


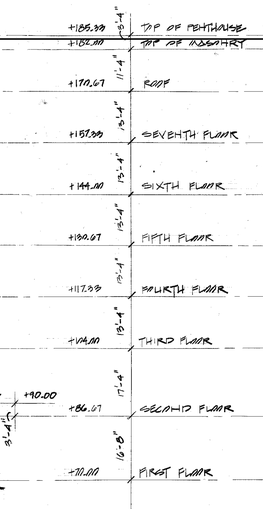


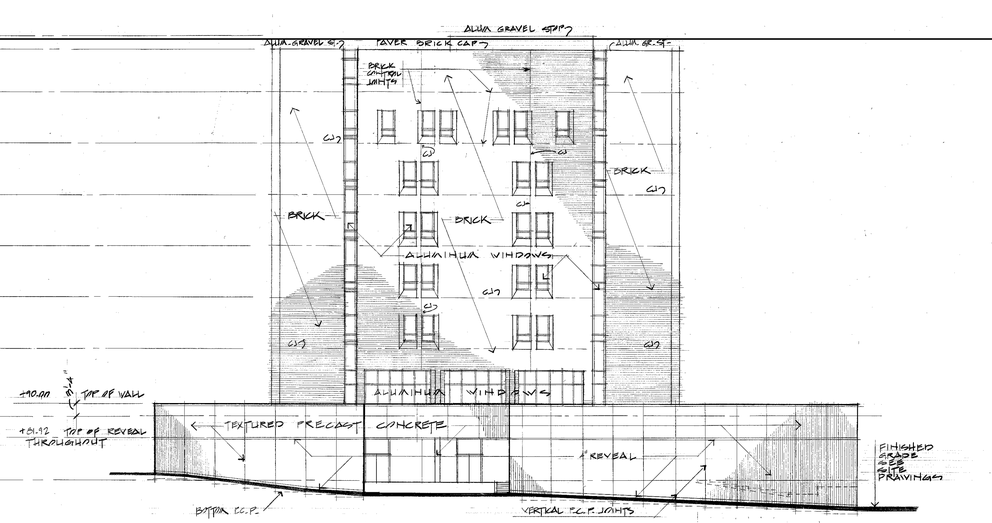


1. EAST ELEVATION
SCALE 1/16" = 1'-0"

2. NORTH ELEVATION
SCALE 1/16" = 1'-0"

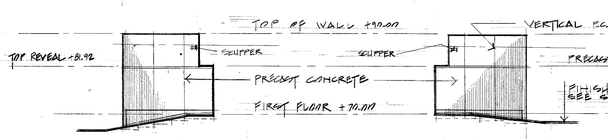




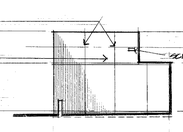


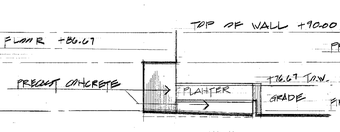
3. WEST ELEVATION
SCALE 1/16" = 1'-0"

4. SOUTH ELEVATION
SCALE 1/16" = 1'-0"

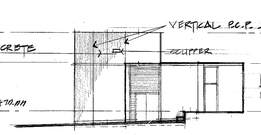


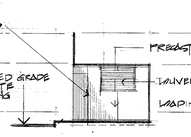
5. MAIN ENTRANCE COURT

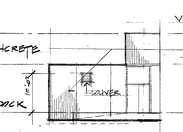


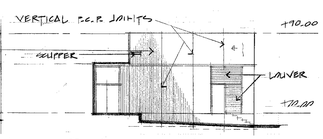


6. STUDENT LOUNGE COURTYARD









7. LOADING DOCK

16 0 16 32 scale 1/16" = 1'

EXTERIOR ELEVATIONS

NES, CAMPBELL & PARTNERS / MILLER, SCHUERHOLZ & ASSOCIATES, INC.
ARCHITECTS — MECHANICAL- ELECTRICAL ENGINEERS
LAMPRECHT CONSULTANTS — STRUCTURAL ENGINEERS
DAVID LAWSON GREGORY & ASSOCIATES — CIVIL ENGINEERS

A. V. Kuhn
CHANCELLOR
UNIVERSITY OF MARYLAND
AT BALTIMORE

APPROVED
Marshall McGuire 2/26/80

REVISIONS
12-1-82 RECORD DRAWINGS

SCHOOL OF PHARMACY
UNIVERSITY OF MARYLAND
BALTIMORE

DWG. NO. CD A-7
PROJECT NO. UB-713
DATE: 2-28-80

FILE NO. 19 - DWG. NO. 1237
8411 UB-713/A-7

SECTIONS - THIRD THRU SEVENTH FLOORS

scale 3/8"=1'

KEY PLAN NO SCALE

424

NES, CAMPBELL & PARTNERS / MILLER, SCHUERHOLZ & ASSOCIATES, INC.	
ARCHITECTS	MECHANICAL- ELECTRICAL ENGINEERS
LAMPRECHT CONSULTANTS	STRUCTURAL ENGINEERS
DAVID LAWSON GREGORY & ASSOCIATES	CIVIL ENGINEERS

A. O. Kuehn
CHANCELLOR
UNIVERSITY OF MARYLAND AT BALTIMORE

Marshall McCord 2/26/80

REVISIONS
12-1-82 Record Drawings

SCHOOL OF PHARMACY
UNIVERSITY OF MARYLAND
BALTIMORE

DWG. NO. CD A-11
PROJECT NO. UB-713
DATE: 2-28-80

FILE NO. 19 - DWG. NO. 1735
84|UB-713|A-11

1. HEAD

5. TYP. MULLION

10. TYPICAL SOFFIT

13. SECTION @ EXHAUST LOUVER

17. TYP. ALUM. FRAME HEAD

2A. TYP. CORNER

31. TYP. P.C.P. DOOR JAMB

2. COLUMN

6. PLAN @ CORNER

7. PLAN @ WALL

11. CEILING

14. PLAN @ CORNER

15. PLAN @ WALL

18. TYP. ALUM. FRAME JAMB

25. CHR. W/SM. FACE

3. SILL

8. SECTION @ END

12. SILL @ LOADING DOCK

16. SECTION @ END

19. TYP. ALUM. FRAME SILL

20. TYP. INV. CORNER

20. ALUM. FRAME HEAD

27. COLUMN @ CEILING

28. TYPICAL COLUMN

29. COLUMN @ BASE

23. TYP. H.M. FRAME SILL

32. TYP. RETAIN. WALL

scale 3" = 1'

scale 1½" = 1'

WALL DETAILS FIRST FLOOR

435

NES, CAMPBELL & PARTNERS / MILLER, SCHUERHOLZ & ASSOCIATES, INC.
ARCHITECTS — MECHANICAL– ELECTRICAL ENGINEERS
LAMPRECHT CONSULTANTS — STRUCTURAL ENGINEERS
DAVID LAWSON GREGORY & ASSOCIATES — CIVIL ENGINEERS

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REVISIONS
12·1·82 Record Drawings

SCHOOL OF PHARMACY
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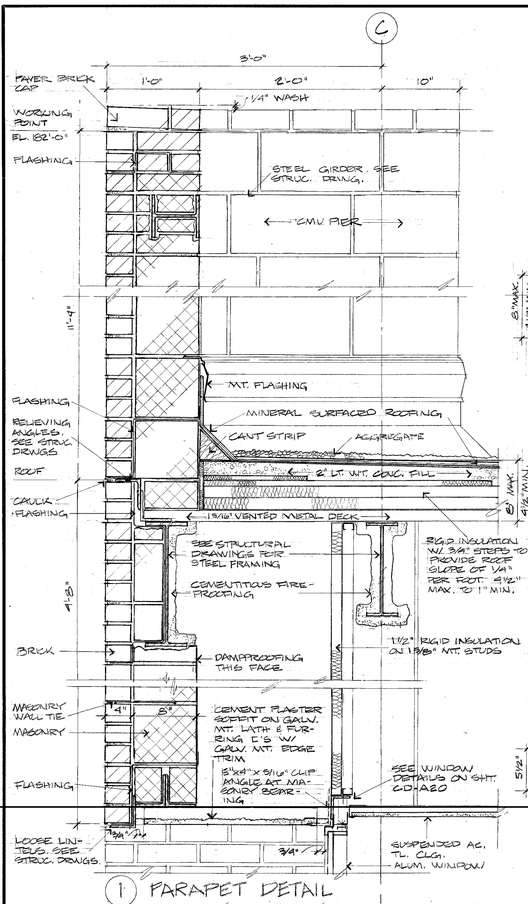
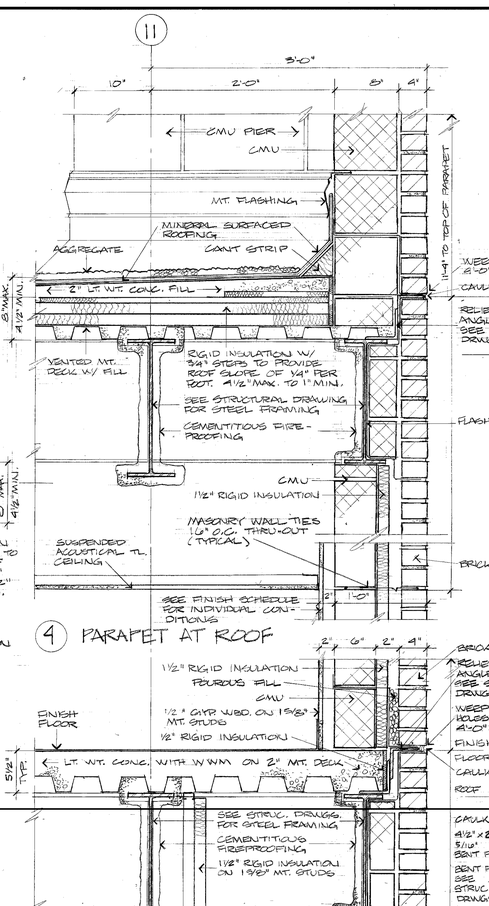
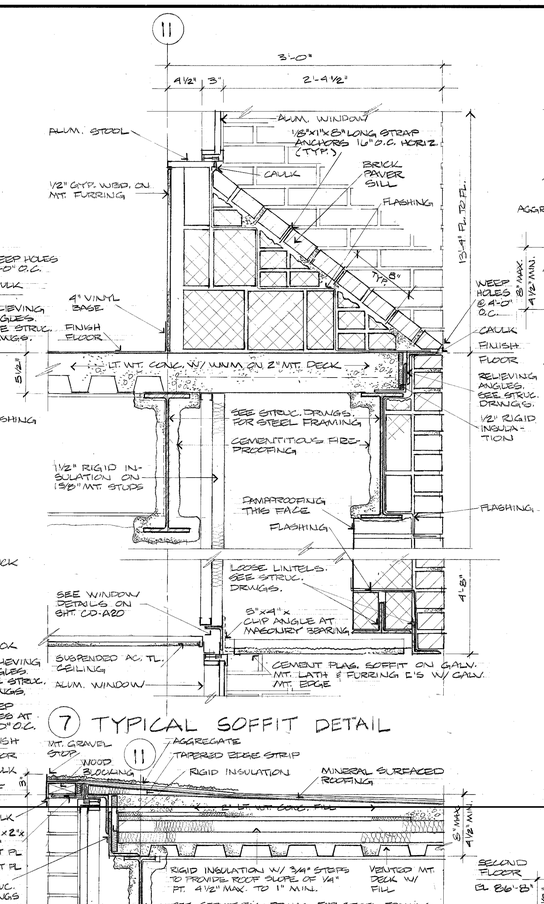
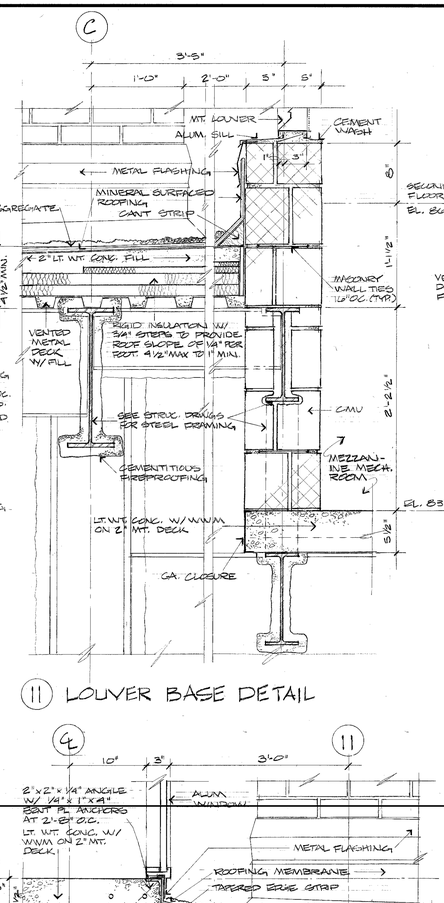
DWG. NO. CD A·12
PROJECT NO. UB-713
DATE: 2·28·80

FILE NO. 19 - DWG. NO. 1736
841/UB-713/A.12









WALL DETAIL - THIRD THRU SEVENTH

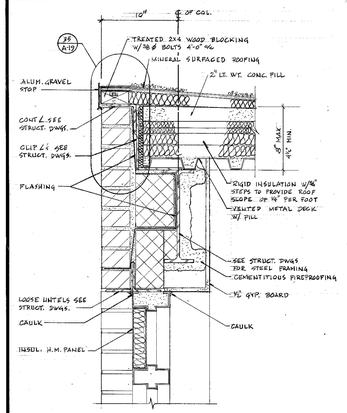
NES, CAMPBELL & PARTNERS / MILLER, SCHUERHOLZ & ASSOCIATES, INC.
ARCHITECTS
MECHANICAL- ELECTRICAL ENGINEERS
LAMPRECHT CONSULTANTS
DAVID LAWSON GREGORY & ASSOCIATES
STRUCTURAL ENGINEERS
CIVIL ENGINEERS
CHANCELLOR
UNIVERSITY OF MARYLAND
AT BALTIMORE
Marshall McCord 3/5/80

REVISIONS
12-1-82 RECORD DRAWINGS

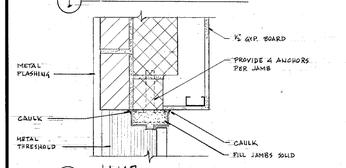
SCHOOL OF PHARMACY
UNIVERSITY OF MARYLAND
BALTIMORE

DWG. NO. CD A-14
PROJECT NO. UB-713
DATE: 2-28-80

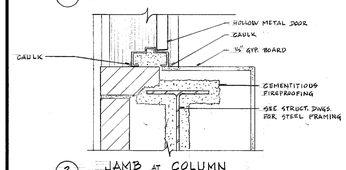
FILE NO. 19 - DWG. NO. 1738 841/UB-713/A-14



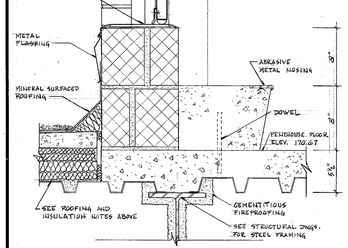
1 HEAD



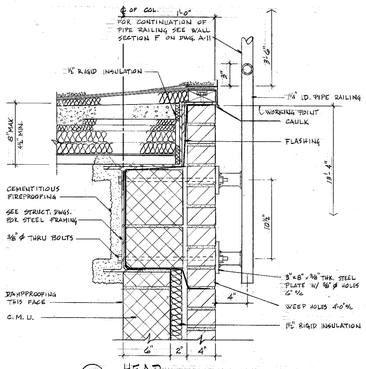
2 JAMB



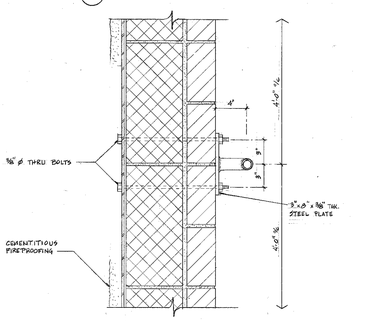
3 JAMB AT COLUMN



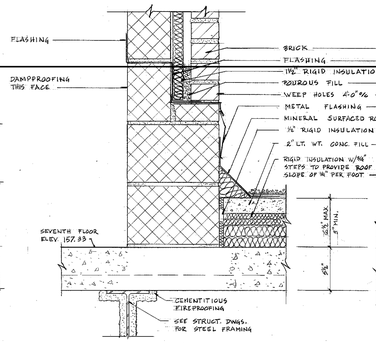
4 SILL



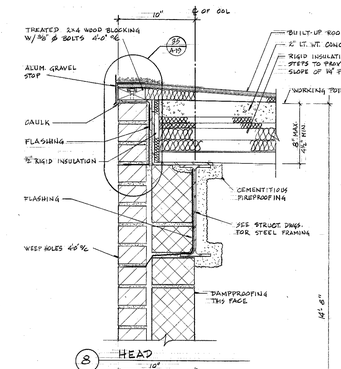
5 HEAD



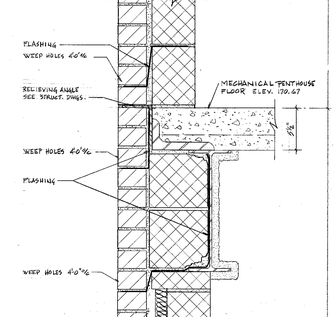
6 PLAN SECTION



7 SILL



8 HEAD



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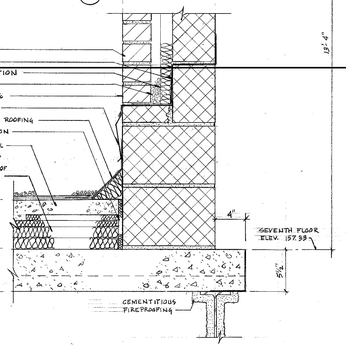
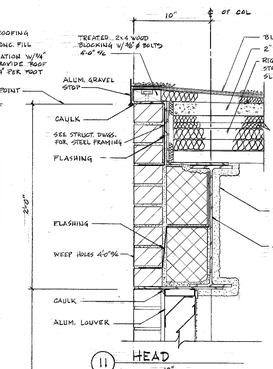
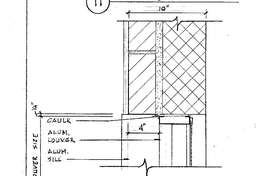


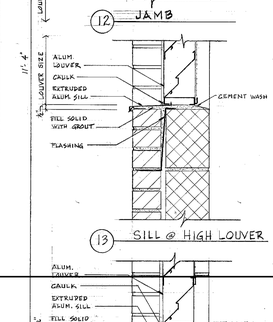
10 SILL



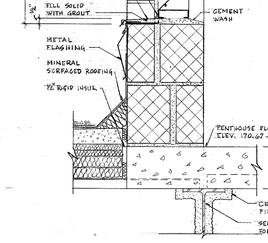
11 HEAD



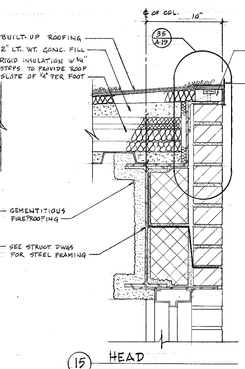
12 JAMB



13 SILL @ HIGH LOUVER



14 SILL



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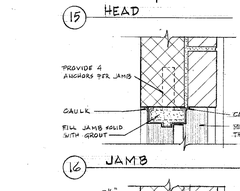
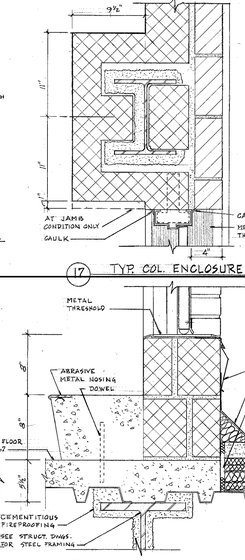
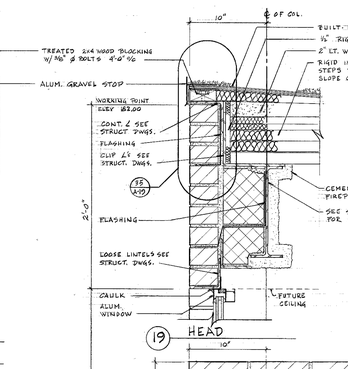


16 JAMB

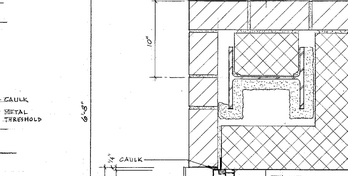


17 TYP. COL. ENCLOSURE

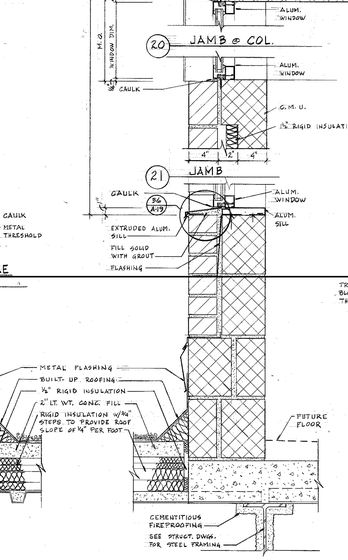
18 SILL



19 HEAD

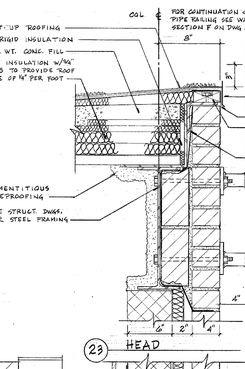


20 JAMB @ COL.

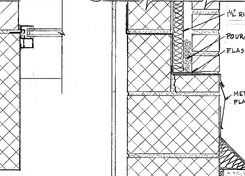


21 JAMB

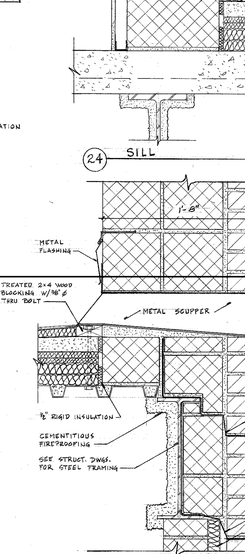
22 SILL



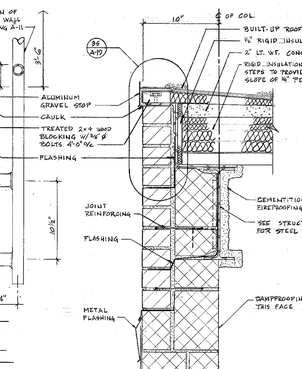
23 HEAD



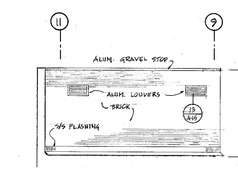
24 SILL



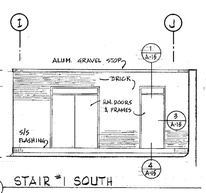
25 SCUPPER DETAIL



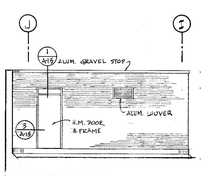
26 HEAD



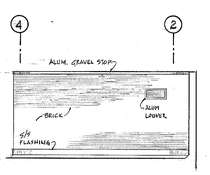
27 STAIR #1 WEST



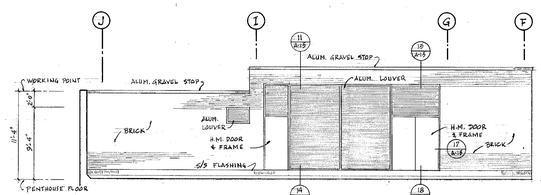
28 STAIR #1 SOUTH



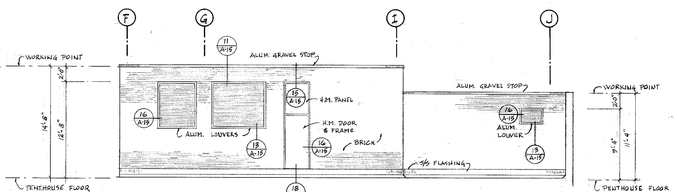
29 STAIR #2 NORTH



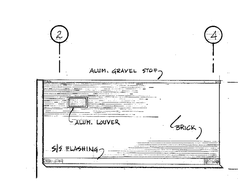
30 STAIR #2 WEST



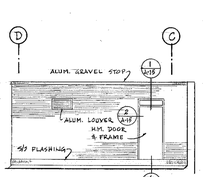
36 MECHANICAL NORTH



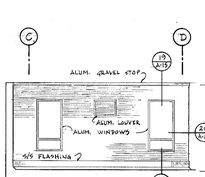
37 MECHANICAL SOUTH



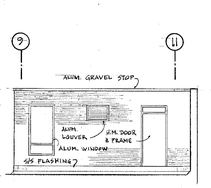
32 STAIR #3 EAST



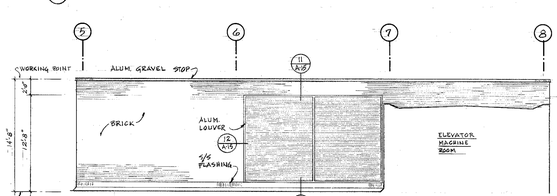
33 STAIR #3 NORTH



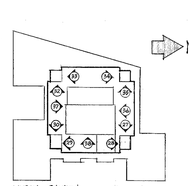
34 SERVICE ROOM SOUTH



35 SERVICE ROOM EAST



38 MECHANICAL EAST



ELEVATIONS OF PENTHOUSES

SCALE: ⅛"=1'-0"

NOTE: FACING FOR EXTERIOR OF ALL WALLS WITHIN PERIMETER OF ROOF PARAPET WALL SHALL BE COMMON BRICK EXCEPT INSIDE FACE OF PARAPET SHALL BE C.M.U.

WALL DETAILS - PENTHOUSE & ROOF
EXTERIOR ELEVATIONS PENTHOUSES

428

NES, CAMPBELL & PARTNERS / MILLER, SCHUERHOLZ & ASSOCIATES, INC.
ARCHITECTS
LAMPRECHT CONSULTANTS
DAVID LAWSON GREGORY & ASSOCIATES
MECHANICAL- ELECTRICAL ENGINEERS
STRUCTURAL ENGINEERS
CIVIL ENGINEERS

A O Kuhn
CHANCELLOR
UNIVERSITY OF MARYLAND
AT BALTIMORE

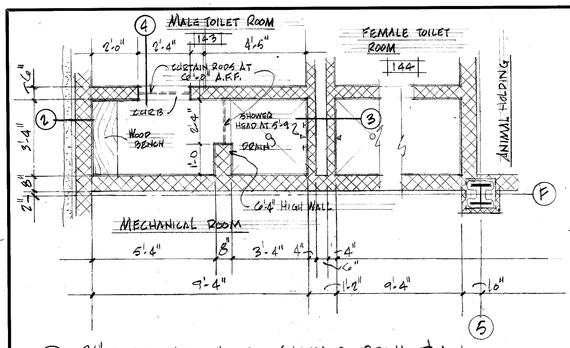
APPROVED
L. Gilbert 3/7/80
Marshall McLeod 3/24/80

REVISIONS
12-1-82 RECORD DRAWINGS

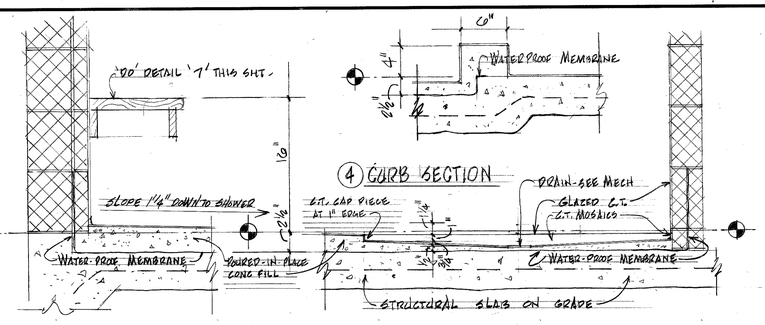
SCHOOL OF PHARMACY
UNIVERSITY OF MARYLAND
BALTIMORE

DWG. NO. CD A-15
PROJECT NO. UB-713
DATE: 2:28:80

FILE NO. 19 - DWG. NO. 1739 B41 UB-713 A-15

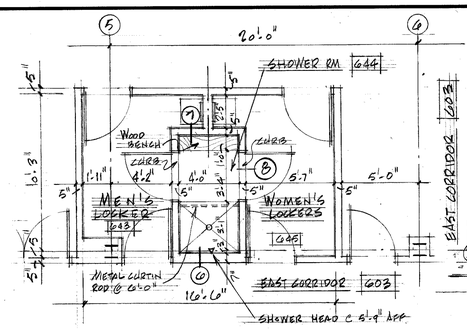


1 3/8" SCALE 1ST FLOOR SHOWER ROOM PLAN

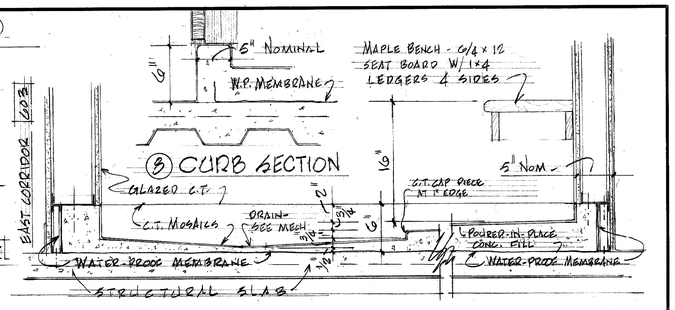


2 1½" SCALE BENCH SECTION

3 1½" SCALE SHOWER RECEPTOR SECTION

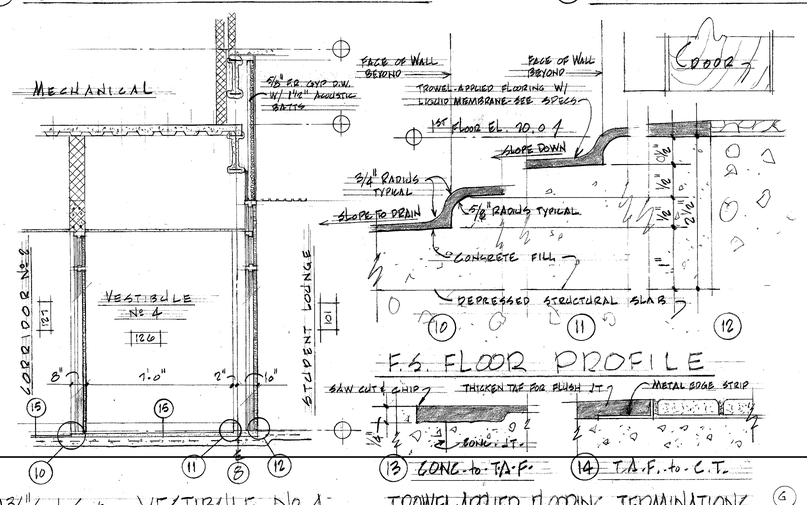


5 1/4" SCALE LOCKER ROOMS PLAN - 6TH FLOOR



6 1½" SCALE SHOWER RECEPTOR SECTION

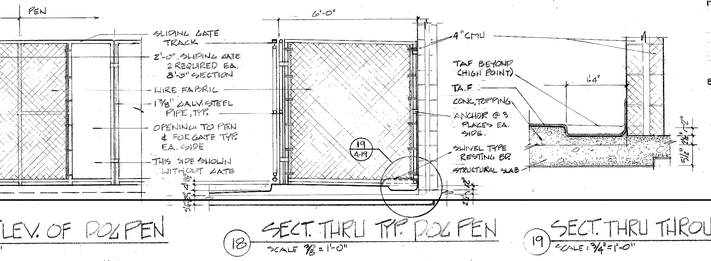
7 1½" SCALE BENCH SECTION



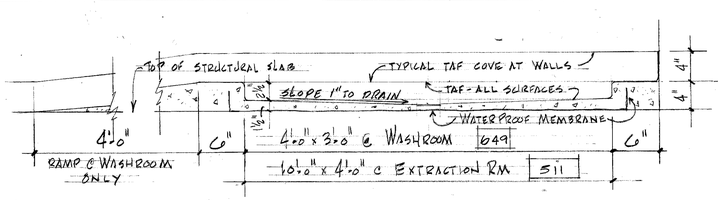
9 3/8" Scale Section - VESTIBULE No 4

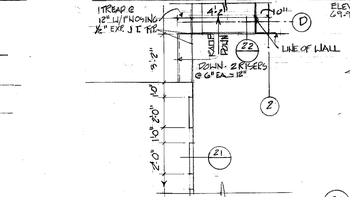
10 11 5 12 13 CONC. to T.A.F. 14 T.A.F. to C.T.

TROWEL-APPLIED FLOORING TERMINATIONS

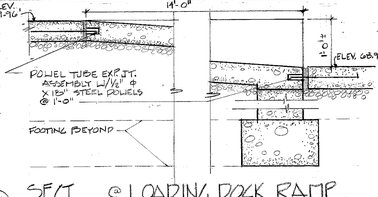


16 1½" Scale Section - POURED-IN-PLACE LABORATORY RECEPTOR

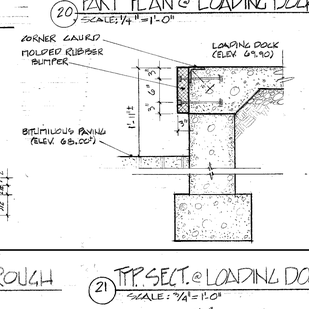


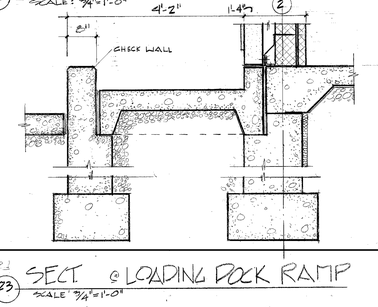


20 PART PLAN @ LOADING DOCK
SCALE: ¼" = 1'-0"

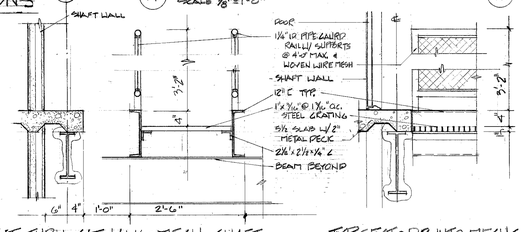


22 SECT. @ LOADING DOCK RAMP
SCALE: 3/4" = 1'-0"

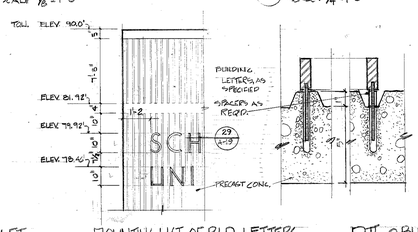




17 FRONT ELEV. OF DOG PEN
SCALE: 3/8" = 1'-0"

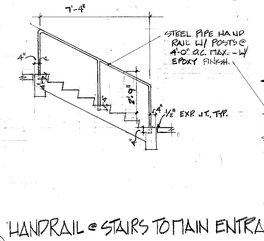


18 SECT. THRU TYP. DOG PEN
SCALE: 3/8" = 1'-0"

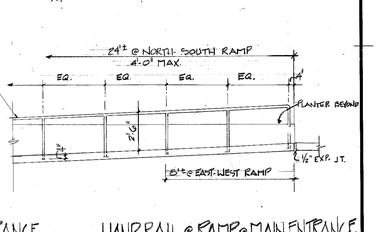


19 SECT. THRU THROUGH
SCALE: 3/4" = 1'-0"

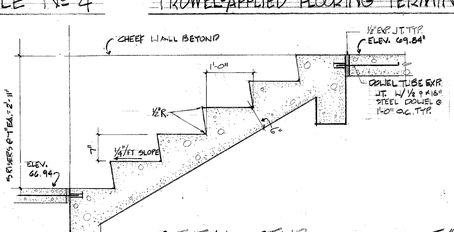
21 TYP. SECT. @ LOADING DOCK
SCALE: 1/2" = 1'-0"



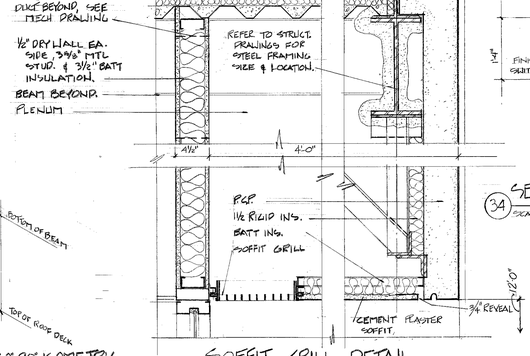
23 SECT. @ LOADING DOCK RAMP
SCALE: 3/4" = 1'-0"



24 STAIR PLAN @ VOLATILE STOR.
SCALE: ¼" = 1'-0"



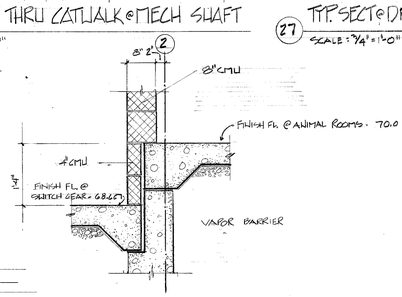
25 SECT AA @ STAIR
SCALE: 3/4" = 1'-0"



32 CRILLALE BEAMS - 30°-60°-90° ISOMETRIC
SCALE: 3/4" = 1'-0"

33 SOFFIT GRILL DETAIL
SCALE: 1½" = 1'-0"

26 TYP. SECT. THRU CATWALK @ MECH SHAFT
SCALE: 3/4" = 1'-0"



34 SECT. @ ANIMAL ROOMS & SWITCH GEAR ROOM
SCALE: 3/4" = 1'-0"

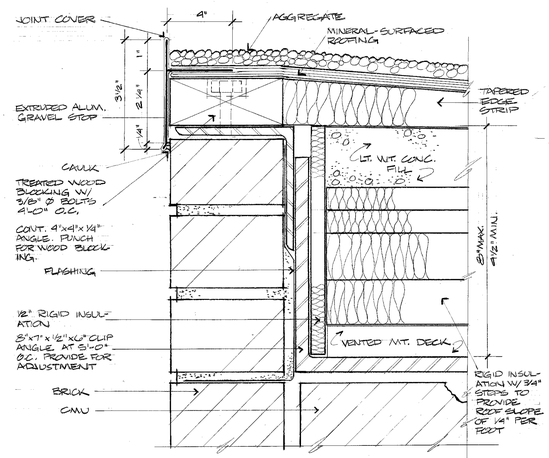
27 TYP. SECT @ D.R. INTO MECH SHAFT
SCALE: 3/4" = 1'-0"

28 MOUNTING HGT. OF BLD LETTERS
SCALE: 3/8" = 1'-0"

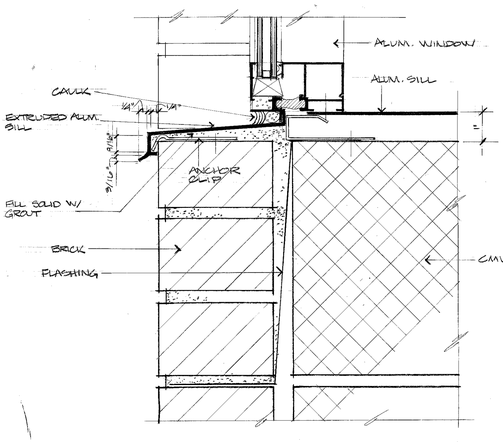
29 DTL. @ BLD LETTERS
SCALE: 1" = 1'-0"

30 HANDRAIL @ STAIRS TO MAIN ENTRANCE
SCALE: 1/4" = 1'-0"

31 HAND RAIL @ RAMP @ MAIN ENTRANCE
SCALE: 1/4" = 1'-0"



35 TYPICAL 1/2 F.S.D. AT GRAVEL STOP



36 TYPICAL 1/2 F.S.D. WINDOW SILL

4 0 4 8 scale 1/4" = 1'

2 0 3 6 scale 3/8" = 1'

1 6" 0 1 2 3 scale 3/4" = 1'

1 6" 0 1 scale 1 1/2" = 1'

0 3" 6" 1 scale 3" = 1'

MISCELLANEOUS DETAILS

432

NES, CAMPBELL & PARTNERS / MILLER, SCHUERHOLZ & ASSOCIATES, INC.
ARCHITECTS — MECHANICAL- ELECTRICAL ENGINEERS
LAMPRECHT CONSULTANTS — STRUCTURAL ENGINEERS
DAVID LAWSON GREGORY & ASSOCIATES — CIVIL ENGINEERS

H O Kuhn
CHANCELLOR
UNIVERSITY OF MARYLAND AT BALTIMORE

S. Goldstein for Marshall McCord 2/2/82

REVISIONS
12-1-82 Record Drawings

SCHOOL OF PHARMACY
UNIVERSITY OF MARYLAND
BALTIMORE

DWG. NO. CD A-19
PROJECT NO. UB-713
DATE: 2-28-80

FILE NO. 19 - DWG. NO. 1743 B41(UB-713)4-19

Send Report To:

Steven Deck
714 W. Lombard St.
Baltimore, MD 21201

State of Maryland
MDH – Laboratories Administration
Division of Environmental Sciences
Air Quality Laboratory
1770 Ashland Avenue
Baltimore, Maryland 21205

A620002 7118
Stamp Here

LABORATORY ANALYSIS REQUEST

BULK ASBESTOS MICROSCOPIC ANALYSIS

County: Baltimore City **Sample ID:** UMB-002-19 **Date Collected:** 7/2/19

Source & Nature of Sample: Old School of Pharmacy Upper Roof

Submitted By: Steven Deck **Phone No:** 410-706-7055

PLM TEST RESULTS

Analytical Method: EPA Methods 600/M4-82-020 and 600/R-93-116

Test Item Condition: Acceptable **Sample Color:** Black

Asbestos Fibers	Area Percent (A%)				Non-Asbestos Fibers	Area Percent (A%)			
	Layer 1	Layer 2	Layer 3	Total		Layer 1	Layer 2	Layer 3	Total
Chrysotile					Organic				<1
Amosite					Synthetic				
Crocidolite					Glass Wool/Rock Wool				
Anthophyllite					Other Fibers				
Actinolite					Non-Fibrous Particulate				>99
Tremolite					Other				
TEM Analysis Recommended (Y/N)					Layer 1				
Layered (Y/N)					Layer 2				
					Layer 3				

Comments: email report to sdeck@umaryland.edu

Analyst: K. Hegde **Date Analyzed:** 7/12/19

Verifier: Y. Simms **Date Analyzed:** 7/12/19

Lab Supervisor: [signature] **Date Reported:** 7/15/19

Phone: (443) 681-3763 **Fax: (443) 681-4507**

Form Revised 10/18
MDH 3102

ORIGINAL-LABORATORY

Send Report To:

Steven Deck
714 W. Lombard St.
Baltimore, MD 21201

State of Maryland
MDH – Laboratories Administration
Division of Environmental Sciences

Air Quality Laboratory

1770 Ashland Avenue
Baltimore, Maryland 21205

A620003 5112
Stamp Here

LABORATORY ANALYSIS REQUEST

BULK ASBESTOS MICROSCOPIC ANALYSIS

County: Baltimore City **Sample ID:** UMB-003-19 **Date Collected:** 7/2/19

Source & Nature of Sample: Old School of Pharmacy ☒ Lower Roof

Submitted By: Steven Deck **Phone No:** 410-706-7055

PLM TEST RESULTS

Analytical Method: EPA Methods 600/M4-82-020 and 600/R-93-116

Test Item Condition: Acceptable **Sample Color:** Black

Asbestos Fibers	Area Percent (A%)				Non-Asbestos Fibers	Area Percent (A%)			
	Layer 1	Layer 2	Layer 3	Total		Layer 1	Layer 2	Layer 3	Total
Chrysotile					Organic				<1
Amosite					Synthetic				
Crocidolite					Glass Wool/Rock Wool				
Anthophyllite					Other Fibers				
Actinolite					Non-Fibrous Particulate				>99
Tremolite					Other				
TEM Analysis Recommended (Y/N)					Layer 1				
Layered (Y/N)					Layer 2				
					Layer 3				

Comments: email report to sdeck@umaryland.edu

Analyst: K. Hegde **Date Analyzed:** 7/12/19

Verifier: Y. Simms **Date Analyzed:** 7/12/19

Lab Supervisor: [signature] **Date Reported:** 7/15/19

Phone: (443) 681-3763 **Fax: (443) 681-4507**

Form Revised 10/18
MDH 3102

ORIGINAL-LABORATORY

Clear Form

Form A Pullout Test Report

(Refer to the **Standard Field Test Procedure for Determining the Withdrawal Resistance of Roofing Fasteners** for full documentation)

Job name: Pharmacy South	
Location: 20 North Pine Street - Baltimore, MD	
Test date: 11/1/2016	**Ambient temperature:** 55 °
Roof area: sq. ft	**Tester mfg:** DMD Force Measurement Systems
Max. cap. of tester: 2,000 lbs	**Select one:** ■ lbf ☐ kN
Date of last calibration: 7/1/2016	**Number of pulls recorded on Form B:** 11
Fastener tested: FM-290	**Fastener manufacturer:** ES Products/Trufast
Fastener tested: #14 HD - 8"	**Fastener manufacturer:** Trufast
Fastener tested:	**Fastener manufacturer:**
Test performed by: Ty Shedleski	
Witnessed by: Rick F.	**Test cut areas repaired by:** Tecta America

Project type (select one): ☐ New construction ☐ Tear off ☐ Retrofit

Deck type (select one):

☐ Steel	Gauge:	
☐ Structural concrete	Thickness:	Select one: ☐ Poured in place ☐ Precast
☐ Lightweight concrete	Thickness:	
☐ Insulating concrete	Thickness:	
☐ Cementious wood fiber	Thickness:	
■ Gypsum	Thickness: 3"	Select one: ■ Poured in place ☐ Precast
☐ Wood	Thickness:	Select one: ☐ OSB ☐ Plywood ☐ Plank
☐ Fiberglass	Thickness:	
☐ Other:_____	Thickness:	

Embedment or protrusion: 1.7" & 1"

Drill bit diameter, where applicable:

Optional Information

Test time: **Building height:** **Thickness of existing roof assembly:**

New system manufacturer:

Roof cover type (select one):

☐ Mechanically attached single-ply ☐ Modified bitumen

☐ Ballasted single-ply ☐ Built-up roofing

☐ Adhered single-ply ☐ Other: _____

New insulation:
Type: Thickness:

Form B Pullout Test Report

Report all test results and units of measure.

Conversion formulas

lbf × .00448222 = kN × 224.8089431 = lbf

1. 43 - FM-290	6. 726	11. 595	16.
2. 438	7. 495	12.	17.
3. 371	8. 444	13.	18.
4. 502	9. 448	14.	19.
5. 611	10. 453	15.	20.

Pullout Results of Additional Tests Performed (See C4.5.)

21.	26.	31.	36.
22.	27.	32.	37.
23.	28.	33.	38.
24.	29.	34.	39.
25.	30.	35.	40.

Deviation from standard procedure authorized by:

Reason for deviation:

Pull #6 had a thicker roofing assembly and required a 10" fastener to be used.

Roof plan not to scale. Identify where the pullouts were performed with corresponding test number.

Comments

Disclaimer: Manufacturer's installation requirements shall be followed when using any of the tested fasteners. Neither the technician performing the pullout tests not his/her company is responsible for the waterproofing integrity of the repairs. This test report does not certify the structural integrity of the roof deck.

INFRARED PREDICTIVE SURVEYS INCORPORATED

NUCLEAR BACKSCATTER INSPECTION

UMB School of Pharmacy

FOR:

University of Maryland-Baltimore
Mr. Brent Waggoner

DATE:

September 25, 2019

BY:

Infrared Predictive Surveys, Inc.
PO Box 224
Adamstown, MD 21710

Phone: 301-831-1978
Toll Free: 800-869-3720
Fax: 301-874-2295

SYNOPSIS

A Nuclear Backscatter survey was made at the UMB School of Pharmacy. Visual observations have been made and the data has been documented.

INTRODUCTION

This report has been prepared for the exclusive use of Brent Waggoner at the University of Maryland-Baltimore, for the specific application of the roofs at the UMB School of Pharmacy.

Authorization

Authorization to perform this evaluation, analysis and Nuclear Backscatter roof scan was in the form of a written agreement between Brent Waggoner at University of Maryland-Baltimore and Infrared Predictive Surveys Inc. (IPSI)

Scope

The scope of the roof survey included nuclear backscatter testing. Data from this survey has been incorporated into this final report.

Purpose

The purpose of the roof survey was to gain an overview of the condition of the roof areas.

General

Observations described in this report are based upon roof at the time of the survey and these conditions may change as the roof ages.

Infrared Predictive Surveys, Inc. warrants that these findings are published after being prepared in accordance with generally accepted practices of the construction industry. No other warranties are implied or expressed.

INFRARED PREDICTIVE SURVEYS INCORPORATED

TEST INSTRUMENT DESCRIPTION

(Only testing that has been completed during your survey will be checked.)

☐ Infrared Testing

The infrared roof survey locates moisture in a roof by seeking areas of increased surface temperature. Roof areas that contain moisture have higher thermal conductivity and capacitance than dry areas. During the heating season, heat from the building interior is lost at a greater rate through wet roof areas and their surface temperatures are elevated. Alternatively, during the cooling season, solar heat is absorbed into the wet area, and then retained for hours after the sun sets.

When viewed through the infrared imager, wet areas appear as brighter, lighter tones of gray in black-and-white images. Alternatively, in color images, wet areas will appear as hotter colors. A color scale appears at the side of color images. As colors progress upward, temperatures increase. In general, the higher the concentration of water, the higher the surface temperatures.

Because higher surface temperatures, and consequently hotter colors, may be produced by several phenomena not related to moisture intrusion, tests are made to verify the findings of the infrared inspection using destructive testing (core cuts) and other non-destructive tests (capacitance & nuclear). Wet areas found by infrared testing are illustrated with thermograms (photographs of infrared images).

☐ Capacitance Verification (Hand Held Tramex Meter)

The Tramex capacitance meter is a mobile device that is used for detecting relative moisture content of roof areas. This non-destructive testing method is often combined with nuclear and thermal testing and/or moisture intrusion testing to accurately identify water entry pathways and areas of entrapped water. The Tramex moisture meter is designed for testing built up roofing and non-conductive single ply membrane. It provides instantaneous, clear indications of roof conditions and is able to detect as little as 2% excess moisture in roofing systems.

☐ **Core Sampling**

Core samples consist of cuts through the roof membrane. The sample provides an absolute test of moisture content and location. The core cut also permits the constituents of the roof system, and their condition, to be determined. Core sample may be weighed, dried and reweighed to provide a quantitative measure of moisture content.

A cut is made into the roof with a two inch (2") circumference roof sampling tool. The repaired core cuts are made with an appropriate material.

☒ **Nuclear Backscatter**

A radioactive isotope consisting of Americium-241 with a Beryllium target is utilized. The measurement method relies on the thermalization (slowing) of fast neutrons by the hydrogen atoms in water. Since other Hydrogen bearing materials also thermalize neutrons, a measurement survey is necessary to establish a relative base level before an analysis can be performed.

EQUIPMENT USED

☐ The qualitative infrared scan was conducted by a certified thermographer using a Mikron 7515 uncooled infrared imager. Lens for the Mikron was 29 degree FOV, 320 X 240 array with 7.5-13 spectral response. Temperature sensitivity is .1 degree C with accuracy of 2%.

☐ Inframetrics-ThermaCAM PM390. Temperature sensitivity is <0.1 degree C with a spectral response of 3.4 to 5 µm and a focal array of 256 x 256.

☐ FLIR PM390 Mid-wave camera.

☐ The qualitative infrared scan was conducted by a certified thermographer using a Mikron 7600 Pro. Lens was a 21-degree FOV lens, 320 X 240 focal plane array with 7.5-13 spectral response. Temperature sensitivity is .1 degree C with accuracy of 2%.

☒ Troxler 3210 Nuclear Moisture Gauge

FIELD SURVEY METHODS

Visual Observations

Visual observations were made by Infrared Predictive Surveys, Inc. (IPSI) personnel. These observations included roofing structure, roof drainage, roof surface conditions and other accessory items.

Photographic Documentation

Photographs were made by IPSI personnel. While these photographs were not intended to provide a complete record of the roof, they do provide a visual description of typical roof conditions or selected problem areas.

PROJECT IDENTIFICATION

Project Location

20 N. Pine St., Baltimore, MD 21201

NUCLEAR BACKSCATTER ROOF SCAN

Date of Scan: September 4, 2019

This scan was performed in conjunction with the visual roof survey conducted the same day. The purpose of this scan was to locate areas of suspected subsurface moisture and determine the extent of the moisture migration.

Environmental Conditions

September 4, 2019-Maximum daytime temperature: 95˚F.

FINDINGS AND RESULTS

Roof designations (A-I) were made by IPSI personnel for reporting purposes only. Core sampling was declined by the client.

Roof A

- Eight (8) suspected wet areas were found on this roof section.

Roof B

- One (1) suspected wet area was found on this roof section.

Roof C

- Three (3) suspected wet areas were found on this roof section.

Roof D

- Two (2) suspected wet areas were found on this roof section.

Roof E

- Two (2) suspected wet areas were found on this roof section.

Roof F

- Two (2) suspected wet areas were found on this roof section.

Roof G

- No thermal anomalies were noted on this roof section.

Roof H

- One (1) suspected wet area was found on this roof section.

Roof I

- Nine (9) suspected wet areas were found on this roof section.

Core sampling was not allowed, but it is recommended to verify findings, especially near edges with high readings. These could be due to moisture, but can also be caused by a build-up of roofing materials in these areas.

If additional information is required, please do not hesitate to contact me. Thank you again for giving us the opportunity to provide our services.

Sincerely,

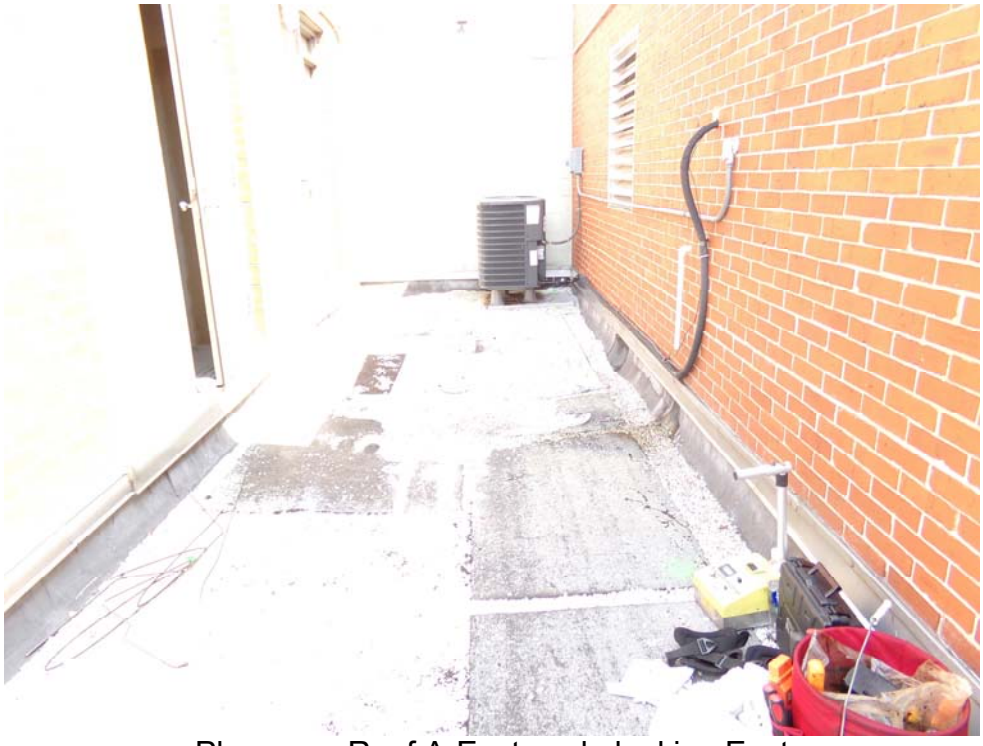
Joseph Fitzpatrick
Infrared Predictive Surveys, Inc.
PO Box 224
Adamstown, MD 21710

Phone: 301-831-1978
Toll-Free: 800-869-3720
Fax: 301-874-2295
E-mail: joe@infraredpsi.com
Website: www.InfraredPSI.com

APPENDIX

- Digital Photographs
- CAD Drawing

School of Pharmacy Building



Pharmacy Roof A-East neck, looking East

Pharmacy Roof A-East side, looking South

Pharmacy Roof A-South side, looking West

Pharmacy Roof A-West side, looking South

Pharmacy Roof B-Looking South

Pharmacy Roof C-Looking East

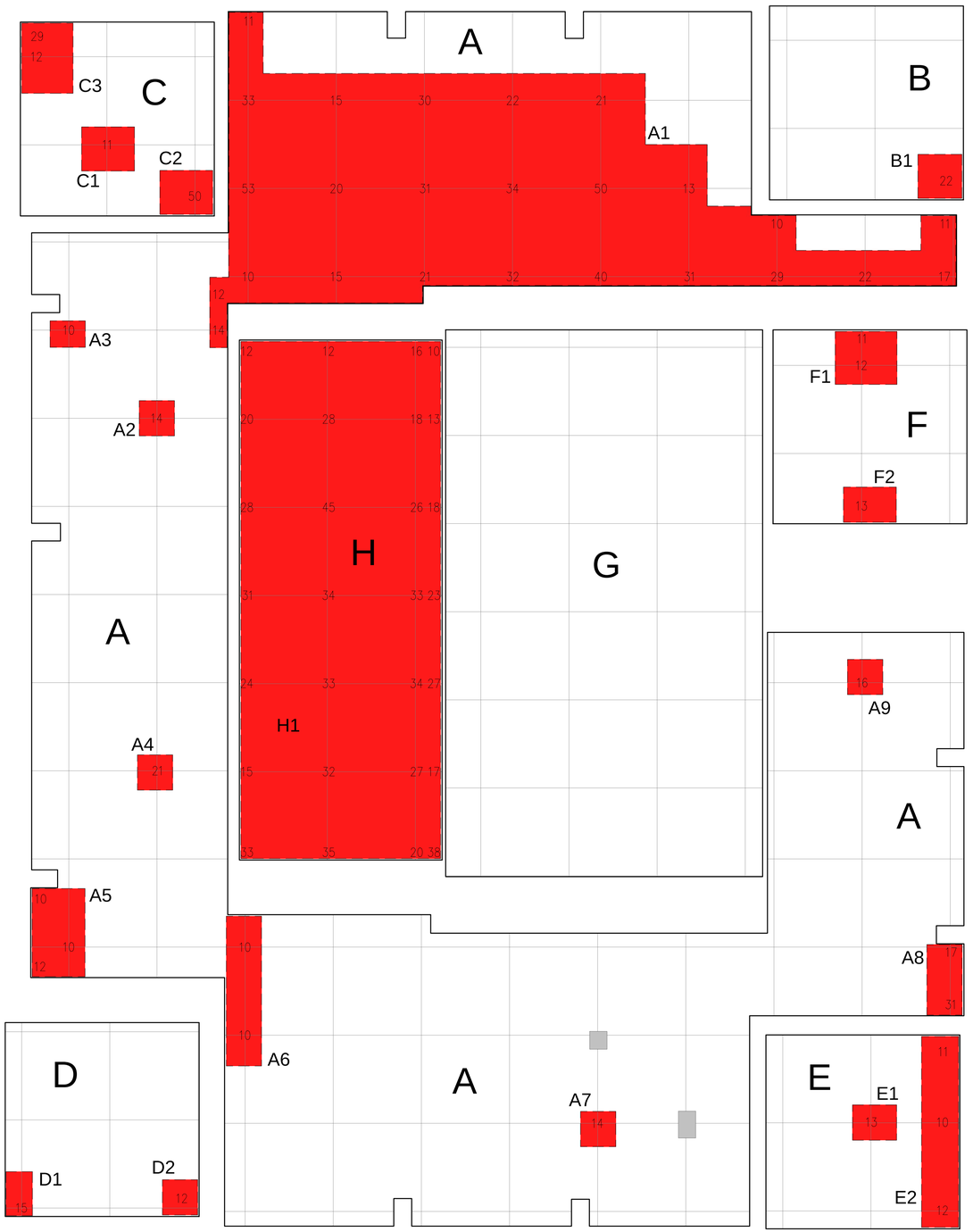
Pharmacy Roof D-Looking South

Pharmacy Roof E-Looking South

Pharmacy Roof F-Looking South

Pharmacy Roof G-LookingSouth

Pharmacy Roof H-Looking South



ROOF SCAN OVERVIEW

N

SCAN NOTES:

- GRAY ROOF INDICATES AREA NOT SCANNED
- SUSPECTED MOISTURE AREAS SHADED RED
- NUCLEAR READINGS TAKEN ON A 10' x 10' GRID
- CC# = CORE CUT NUMBER, P# = PROBE NUMBER
- DATE OF SCAN : 09.04.19

'A' TOTAL SUSPECTED WET SQ FT =1730

AREA	SIZE			SQ FT	NOTES
A1	84	x	33	1510	*SEE DRAWING
A2	4	x	4	16	–
A3	4	x	3	12	–
A4	4	x	4	16	–
A5	6	x	10	60	–
A6	4	x	17	68	–
A7	4	x	4	16	–
A8	4	x	8	32	–

'B' TOTAL SUSPECTED WET SQ FT = 25

AREA	SIZE			SQ FT	NOTES
B1	5	x	5	25	–

'C' TOTAL SUSPECTED WET SQ FT =108

AREA	SIZE			SQ FT	NOTES
C1	6	x	5	30	–
C2	6	x	5	30	–
C3	6	x	8	48	–

'D' TOTAL SUSPECTED WET SQ FT = 31

AREA	SIZE			SQ FT	NOTES
D1	3	x	5	15	–
D2	4	x	4	16	–

'E' TOTAL SUSPECTED WET SQ FT =108

AREA	SIZE			SQ FT	NOTES
E1	5	x	4	20	–
E2	4	x	22	88	–

'F' TOTAL SUSPECTED WET SQ FT = 66

AREA	SIZE			SQ FT	NOTES
F1	7	x	6	42	–
F2	6	x	4	24	–

'H' TOTAL SUSPECTED WET SQ FT =1357

AREA	SIZE			SQ FT	NOTES
H1	23	x	59	1357	–

UNIVERSITY OF MARYLAND-BALTIMORE

SCHOOL OF PHARMACY
20 N. PINE ST.
BALTIMORE, MD 21201

BUILDING ROOF - MOISTURE SCAN

INFRARED PREDICTIVE SURVEYS INCORPORATED	DRAWN:	DATE DRAWN:	REV:	SHEET NO.
	AJR	09/25/19	0	776A

'I' TOTAL SUSPECTED WET SQ FT = 351

AREA	SIZE			SQ FT	NOTES
I1	5	x	3	15	–
I2	12	x	6	58	*SEE DRAWING
I3	4	x	4	16	–
I4	3	x	4	12	–
I5	18	x	13	138	*SEE DRAWING
I6	6	x	14	55	*SEE DRAWING
I7	3	x	4	12	–
I8	3	x	3	9	–
I9	4	x	9	36	–

SCAN NOTES:

- GRAY ROOF INDICATES AREA NOT SCANNED
- SUSPECTED MOISTURE AREAS SHADED RED
- NUCLEAR READINGS TAKEN ON A 10' x 10' GRID
- CC# = CORE CUT NUMBER, P# = PROBE NUMBER
- DATE OF SCAN : 09.04.19

ROOF 'I' SCAN OVERVIEW

N

UNIVERSITY OF MARYLAND-BALTIMORE

SCHOOL OF PHARMACY
20 N. PINE ST.
BALTIMORE, MD 21201

BUILDING ROOF - MOISTURE SCAN

INFRARED PREDICTIVE SURVEYS INCORPORATED	DRAWN:	DATE DRAWN:	REV:	SHEET NO.
	AJR	09/25/19	0	776B