



Minnesota State Capitol Design Development #2 Design Character

July 31 & August 1, 2013

Design Development Meeting #2

Design Character

July 30, 2013

Agenda

8:30 Introduction

8:45 Terrace Level Public Spaces

10:30 New Dining Areas

11:30 Rathskellar Changes

12:30 Lunch Break

1:30 Team Communication Protocol

2:30 New Stairs

3:30 New Restrooms

4:30 Elevators

5:00 Summary

Design Development Meeting #1

Design Character

August 1, 2013

Agenda

8:30 Confirmation of Scope of Work in Zone 1 Spaces

- Lighting
- Paint
- Stone Cleaning
- Media Services
- Acoustics

11:30 Lunch Break

12:30 Budget Reconciliation Meeting

1:30 Team meeting

Design Development Process

Schedule:

July 2013 – November 15, 2013

**Design Review/Progress Meetings
Design Team Working Sessions**

Design Review/Progress Meetings

Purpose:

For Core Team/Owner Review and Confirmation of Scope

Design Team Working Meetings

Purpose:

For Design Team to Develop Design prior to Progress Meetings

Design Development Process

Design Review Topics

Meeting #1: Design Character - July 31 & August 1

Terrace Level, Restrooms, Dining Areas, Stairs, Elevators,
Confirmation of Zone 1 Scope of Work

Meeting #2: Systems – August 21 & 22

Mechanical, Electrical, Plumbing, Structural, Roofing, B3

Meeting #3: Meeting Rooms – September 11 & 12

Hearing Rooms, Committee Rooms, Office Spaces. Telecom & AV

Meeting #4: Chambers – October 9 & 10

Senate, House, Supreme Court, Governor's Reception Room

Meeting #5: Public Spaces – October 30 & 31

MHS, Corridors, Rotunda, Wayfinding & Signage,
Doors/Hardware, Specifications, Site Work

Meeting #6a: November 6 & 7

Tentative / Remaining Topics As Needed

DD Review Meeting: November 19 - 21

Design Development Process

Design Team Working Sessions

Design Session #1: Design Character – July 30 at HGA

Terrace Level, Restrooms, Dining Areas, Stairs, Elevators,
Confirmation of Zone 1 Scope of Work

Design Session #2: Systems – August 19 & 20 at HGA

Mechanical, Electrical, Plumbing, Structural, Roofing, B3

Design Session #3: Meeting Rooms – August 27 & 28 at SCA (Ohio)

Hearing Rooms, Committee Rooms, Office Spaces. Telecom
& Audio/Visual

Design Session #4: Lighting – September 17 & 18 at HGA

Senate, House, Supreme Court, Governor's Reception Room

Design Session #5: Chambers – September 24 & 25 at HGA

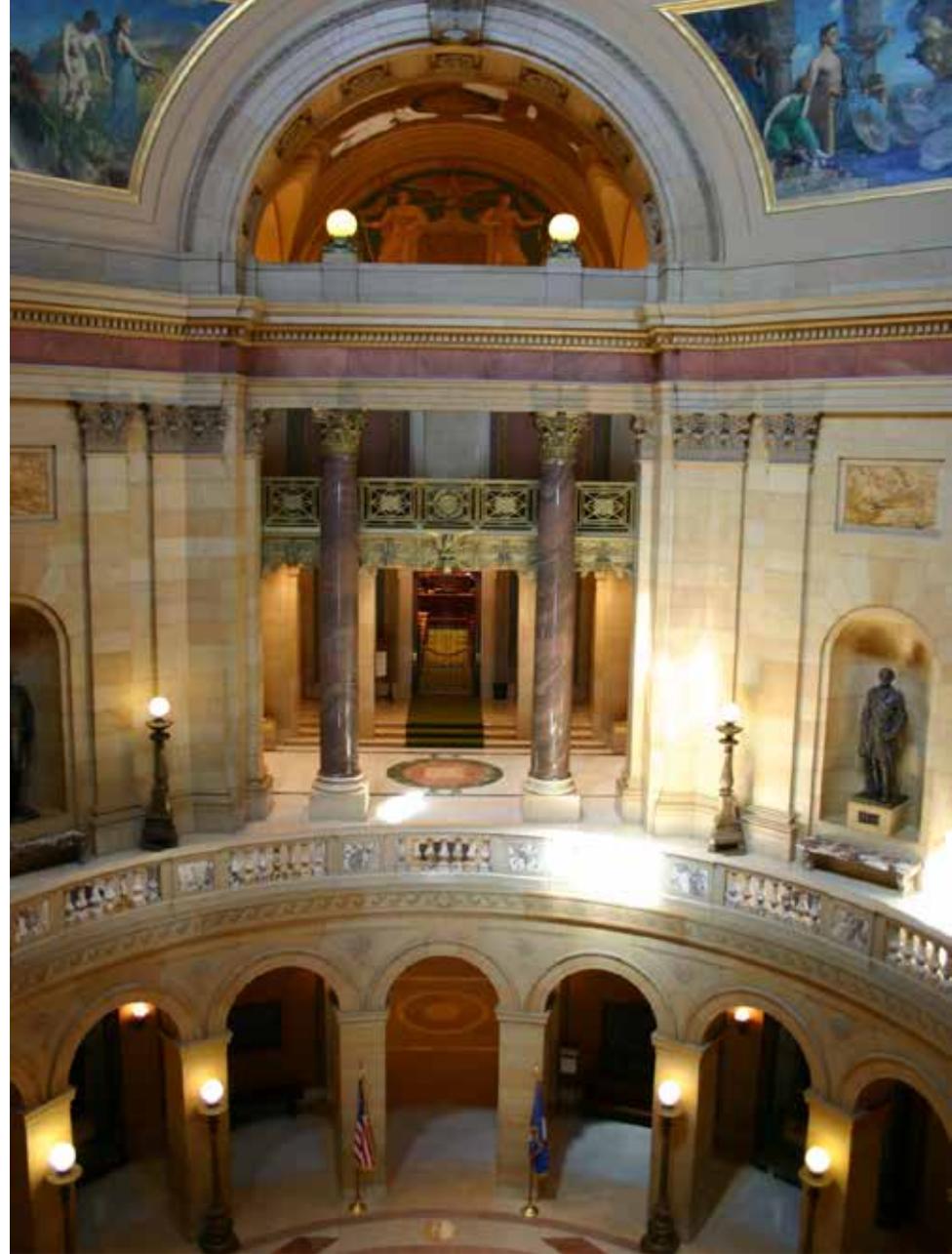
Senate, House, Supreme Court, Governor's Reception Room

Design Session #6: Public Spaces – October 22 & 23 via Web Ex(?)

MHS, Corridors, Rotunda, Wayfinding & Signage,
Doors/Hardware, Specifications, Site Work

Design Character Topics:

- Terrace Level Public Spaces
- New Dining Areas
- Rathskeller Changes
- New Restrooms
- News Stairs
- Elevators
- Scope of Work in Zone 1 Spaces



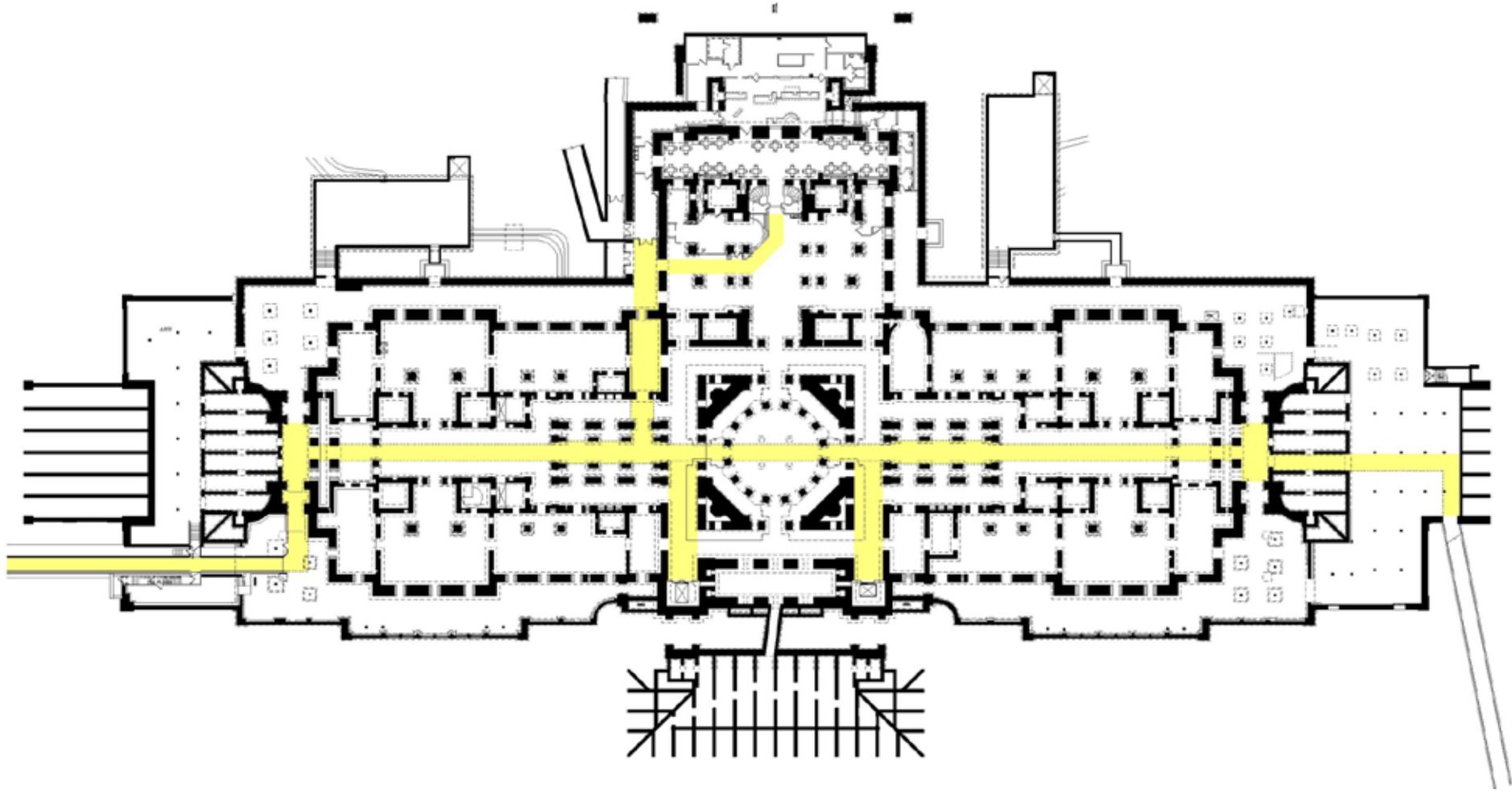


Basement Public Spaces

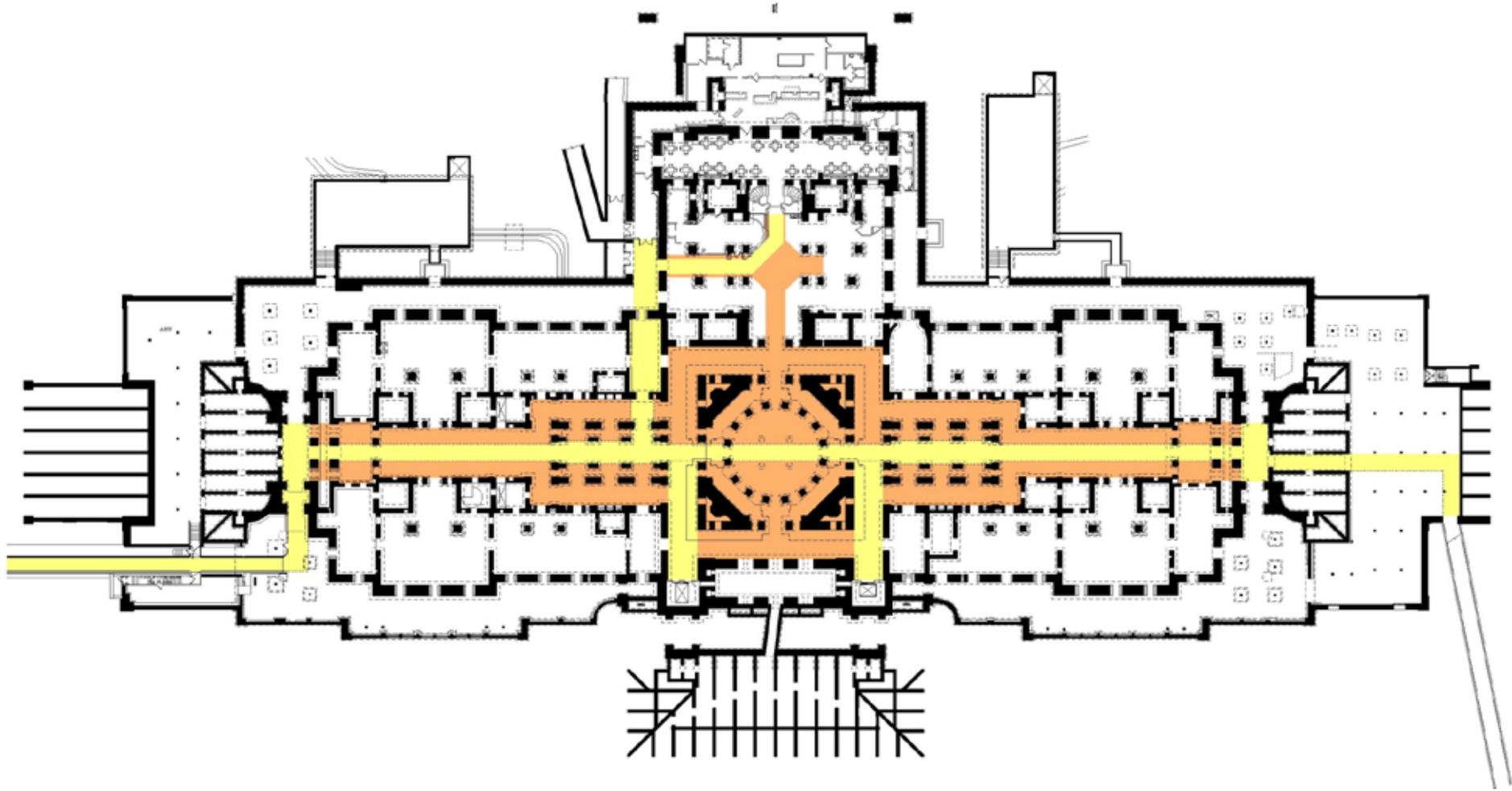
Public Corridors, Dining Areas, etc.



Existing Conditions – Public Circulation



Existing Conditions – Public Circulation

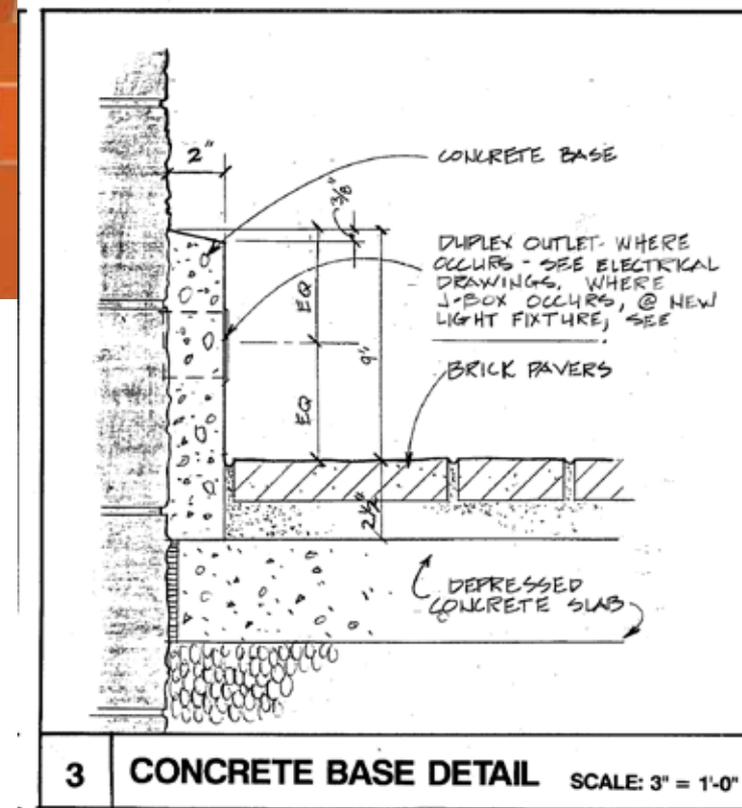
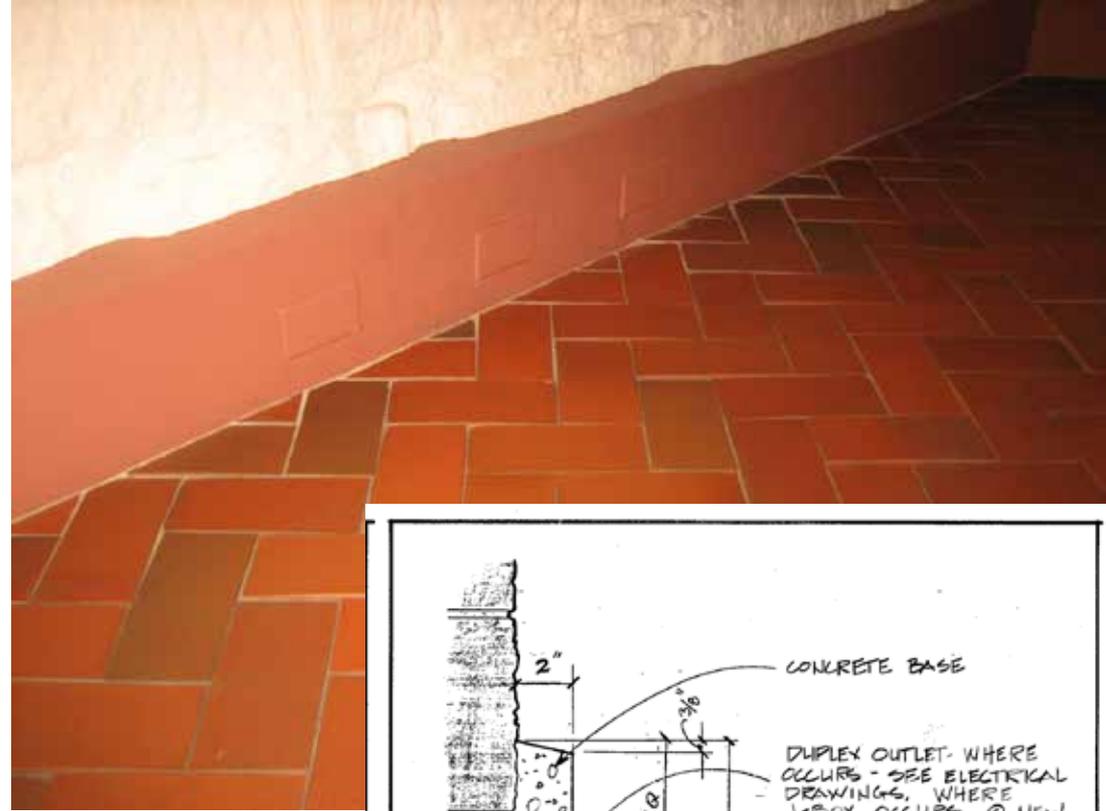


Enlarged Public Circulation Space

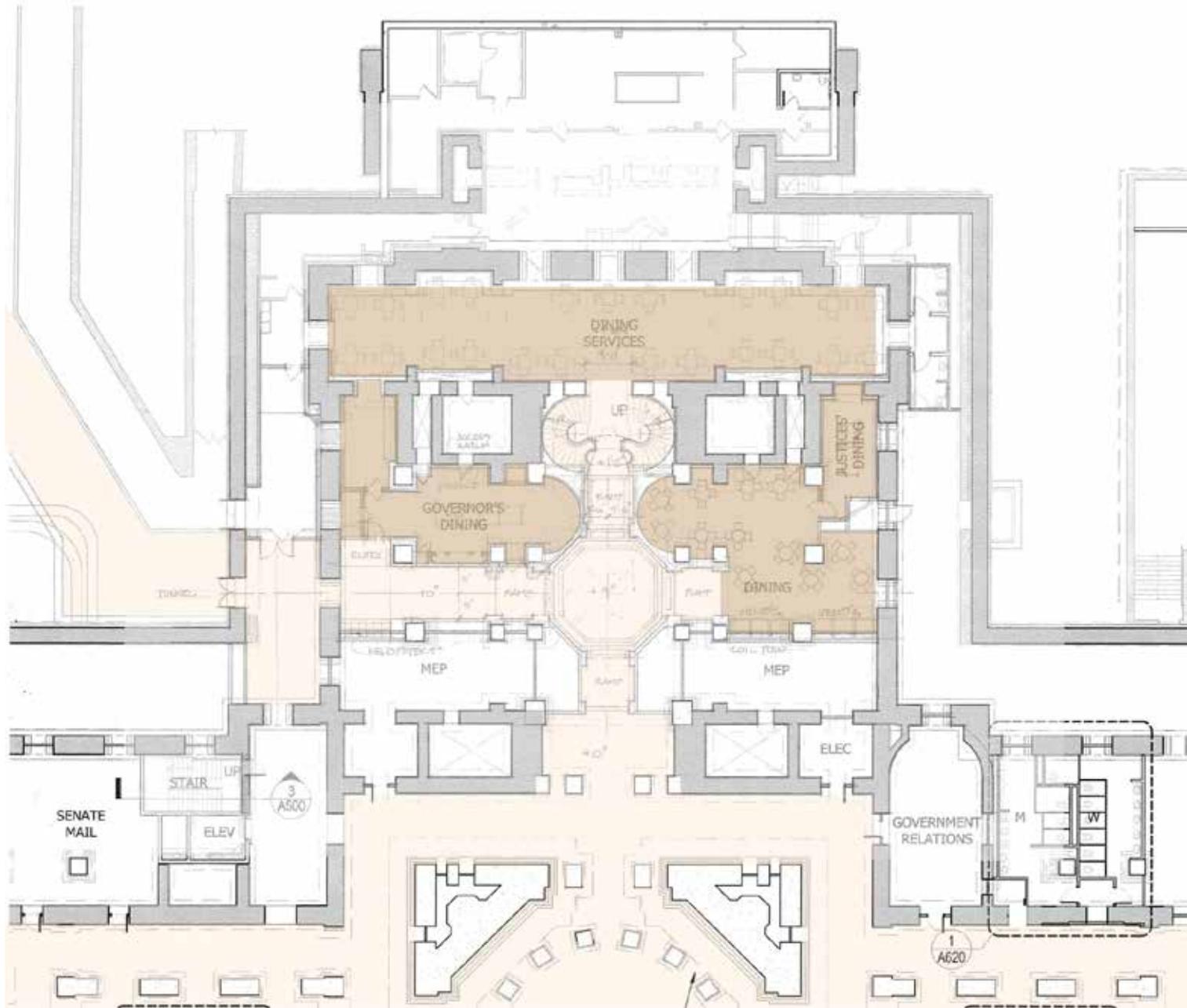


Terrace Level Materials

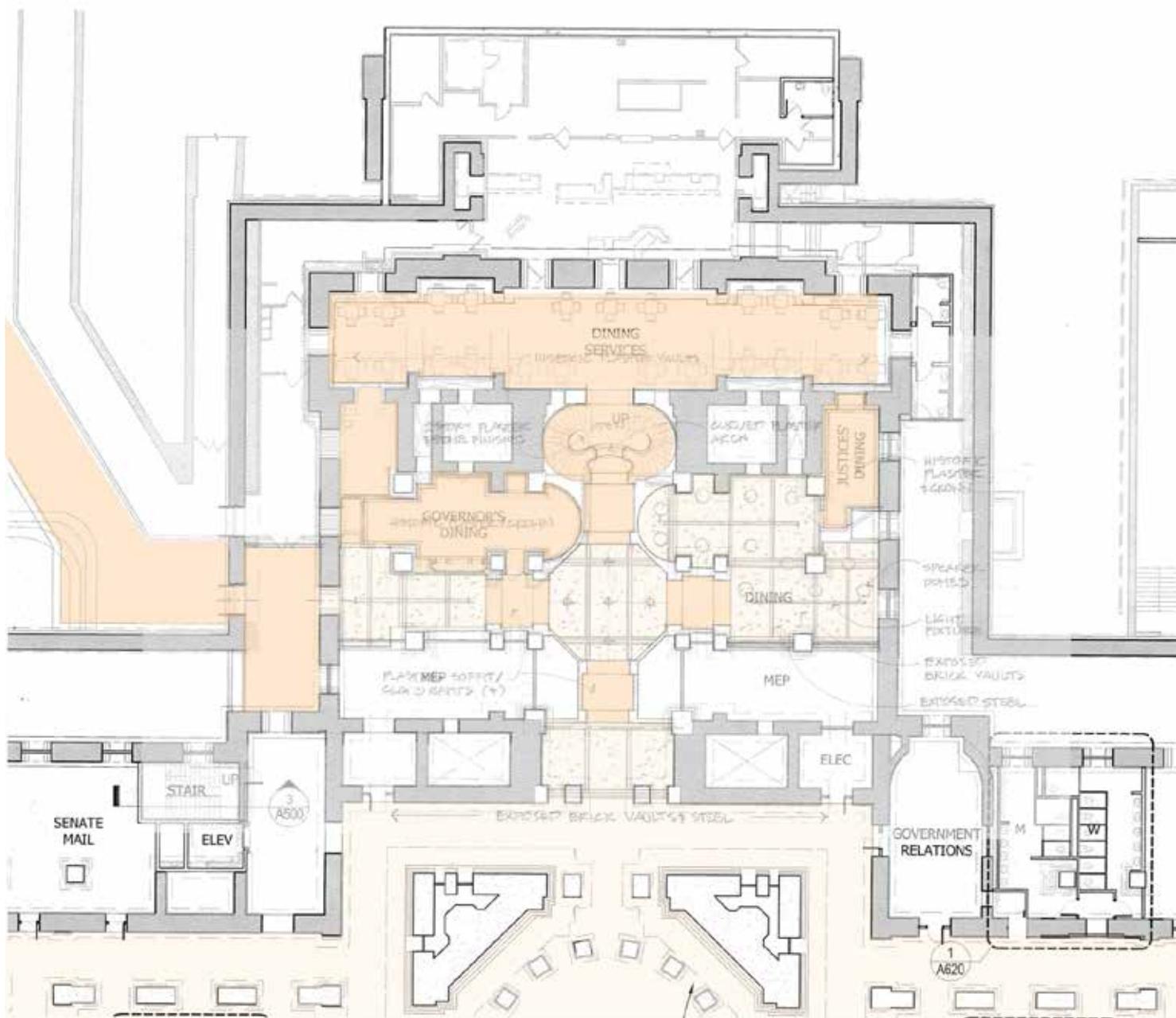
Design Development – July 31 & August 1, 2013



Painted Concrete base – color to match slate / porcelain tile floor color.



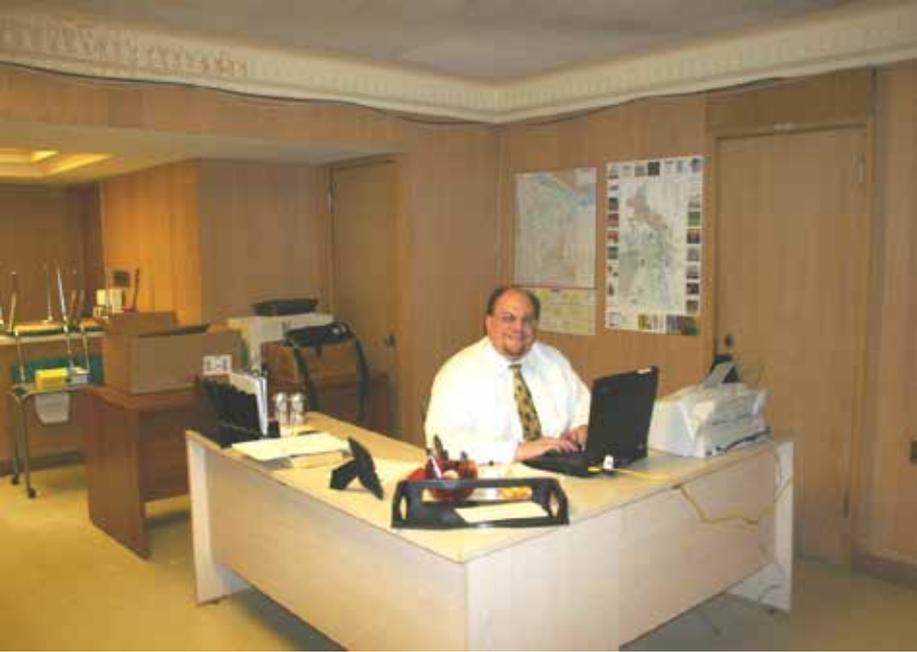
Expanded Dining Areas



Expanded Dining Areas – Ceiling Finishes

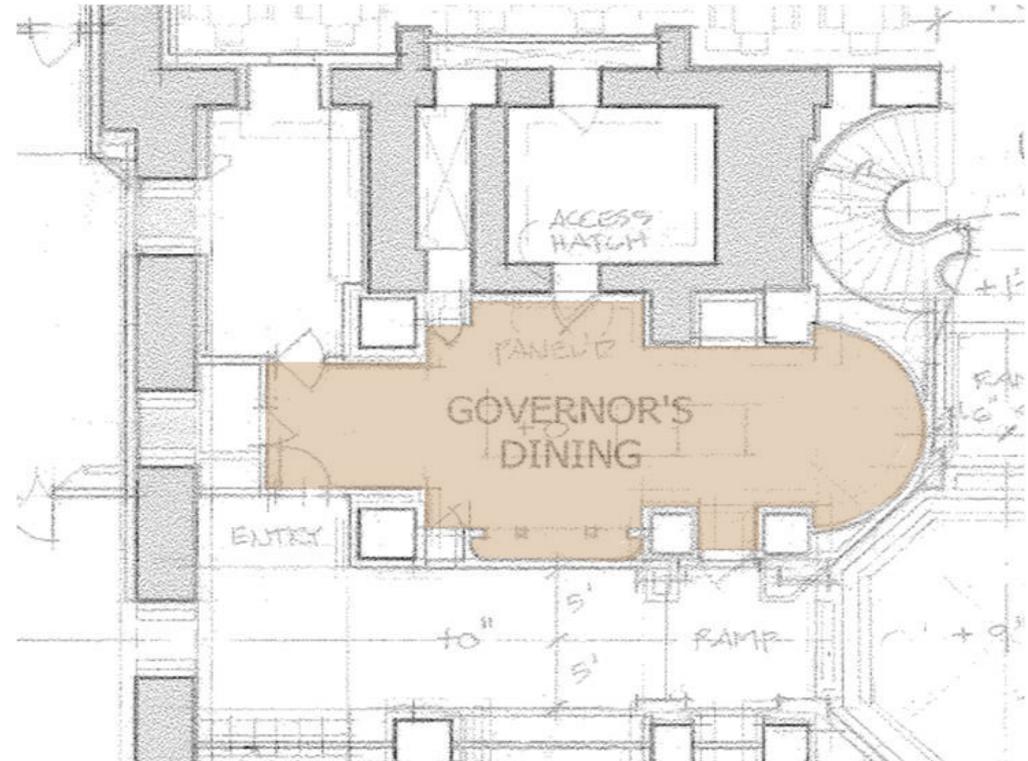


Governor's Dining Historic Photo



Governor's Dining Room

- Remove existing wood paneling and restore the plaster
- Remove existing 12"x12" ceiling tiles and restore plaster ceiling existing crown mould
- Protect mural
- Restore existing base (replace if missing)
- New flooring – carpet or hard surface
- New historically appropriate lighting
- New mechanical and electrical systems





Justice's Dining – Historic Photo

Design Development – July 31 & August 1, 2013

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Justice's Dining – extensive damage

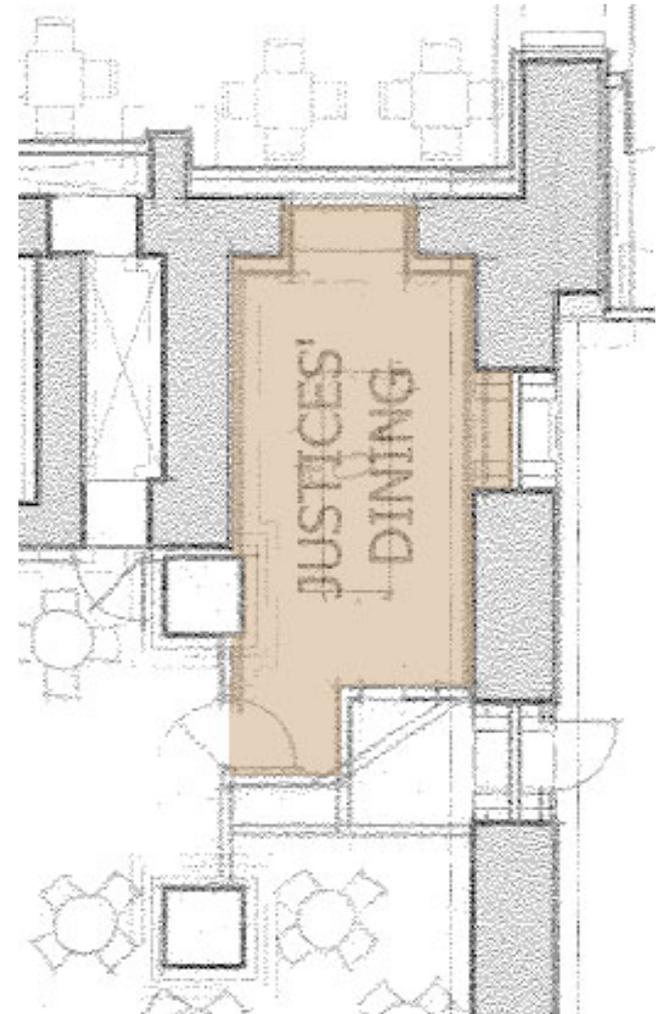
Design Development – July 31 & August 1, 2013

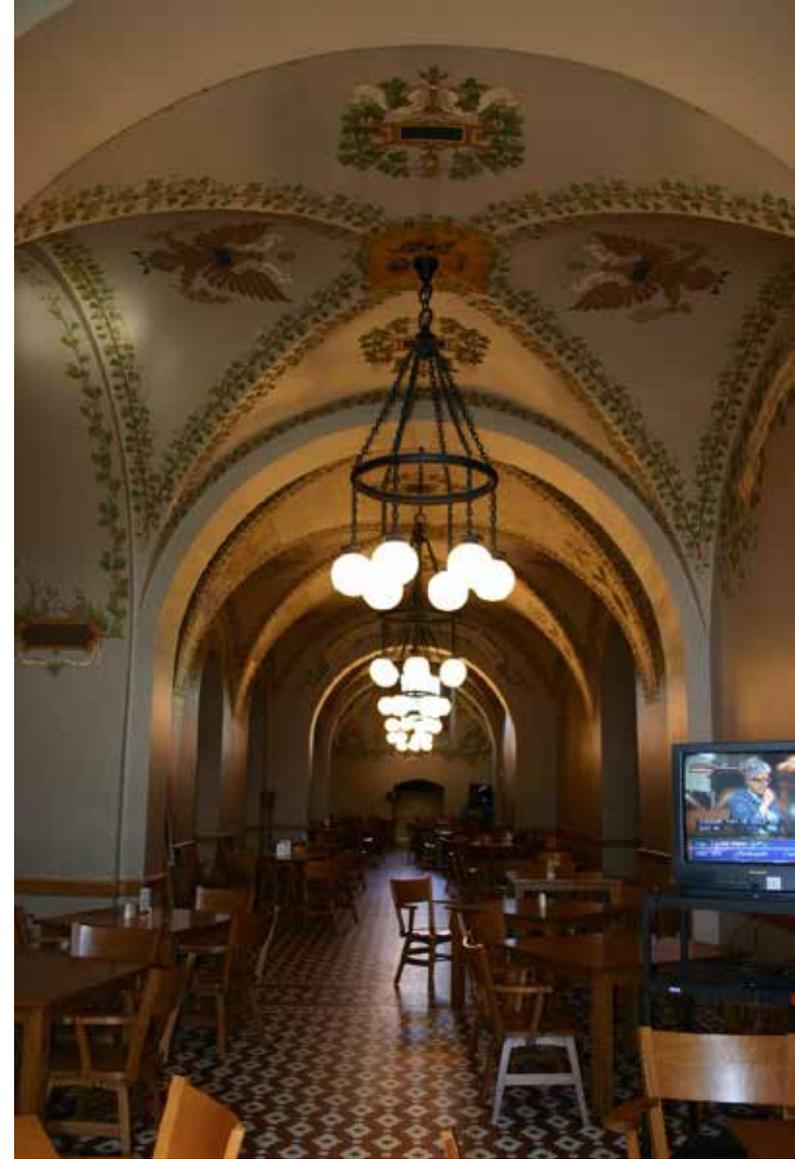
Page 20



Supreme Court (Justices') Dining Room

- Extensive plaster and decorative paint restoration required
- Restore original built-in
- New flooring – carpet or hard surface
- New historically appropriate lighting
- New mechanical and electrical systems

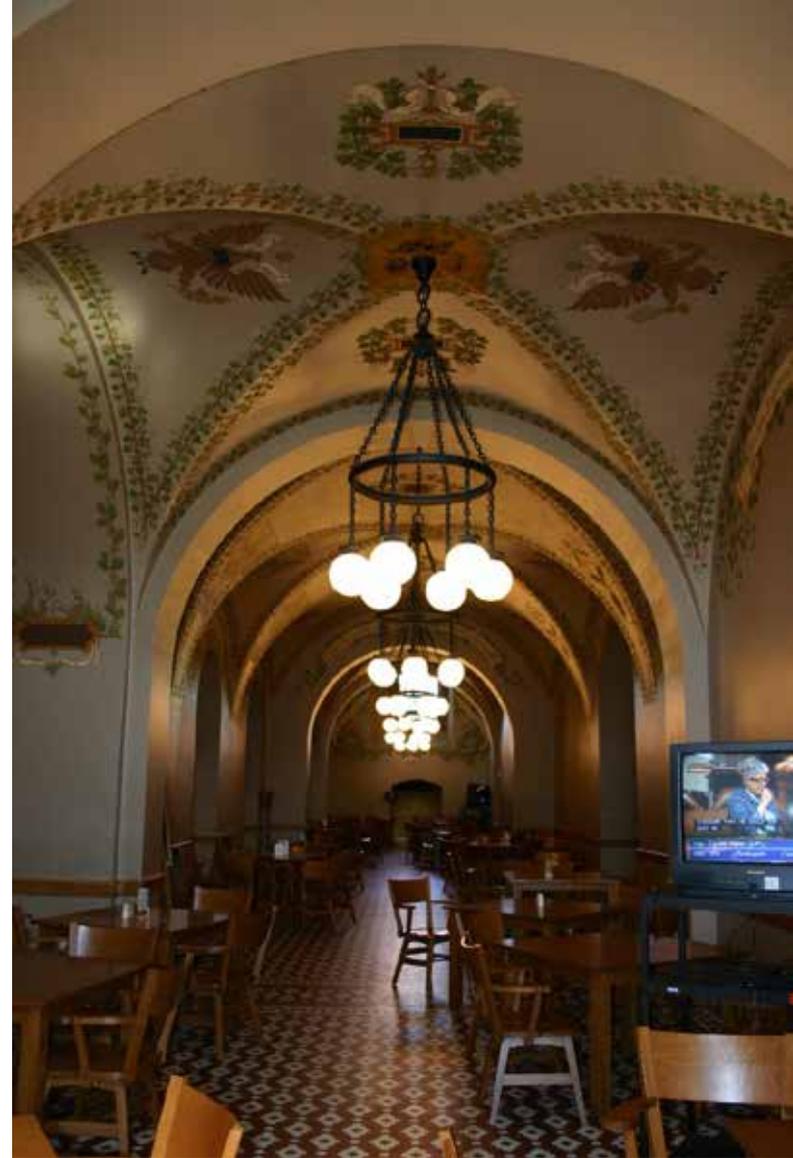




Rathskeller – historic photo and current conditions

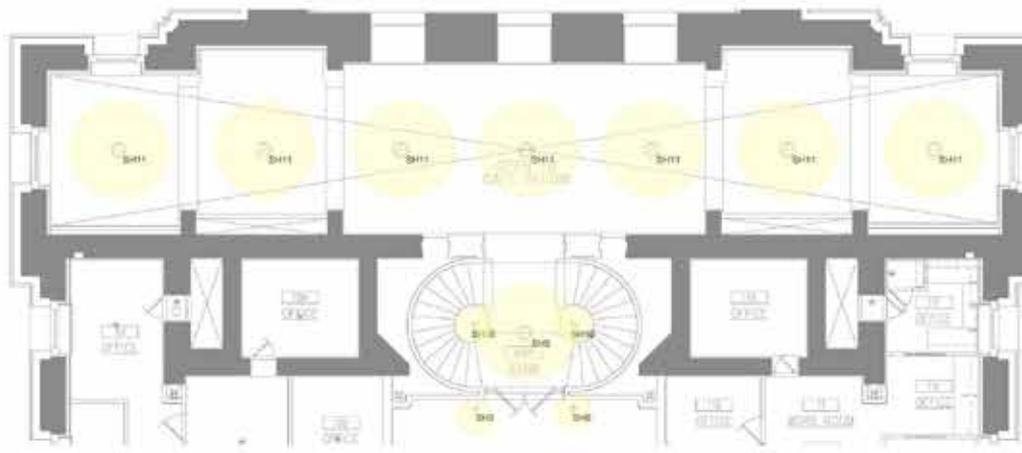
Rathskellar Scope of Work:

- All new mechanical and electrical systems
- Add sprinklers
- Repairs / restoration of the finishes (including plaster and decorative paint) as required to install new systems
- Improve acoustics (we are in the process of hiring an acoustical consultant)

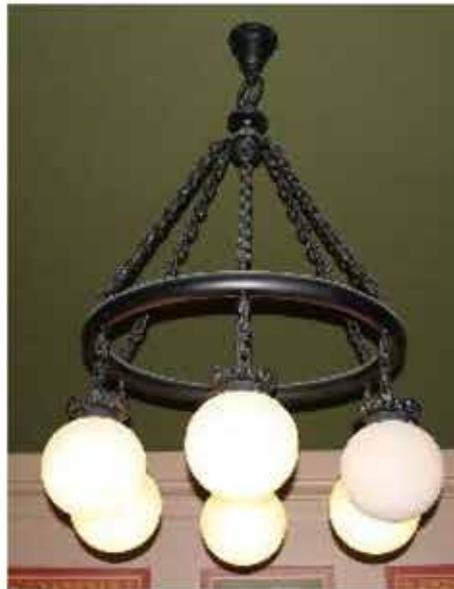




TYPE SH9



TYPE SH11



TYPE SH10

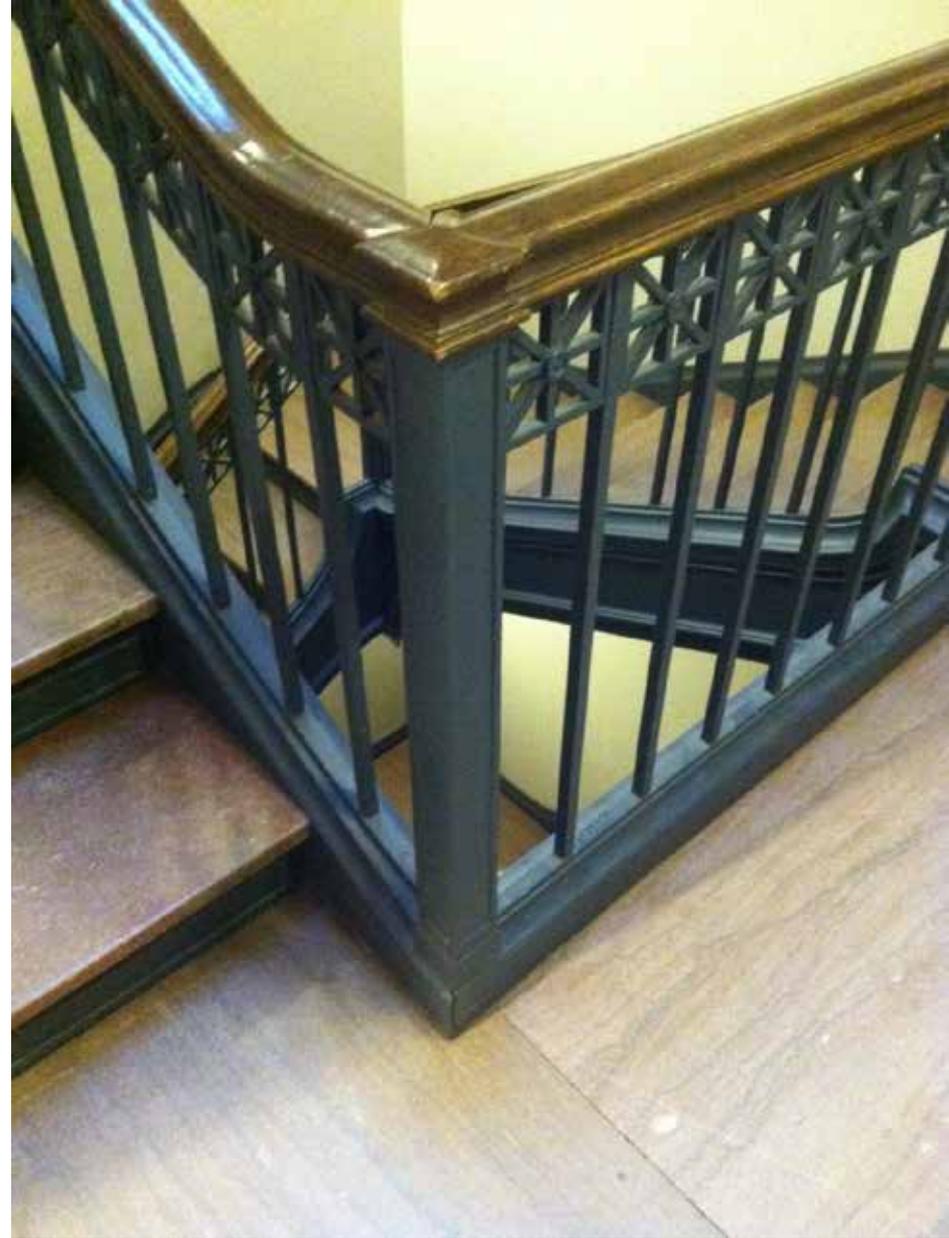


GROUND FLOOR – DINING AREA

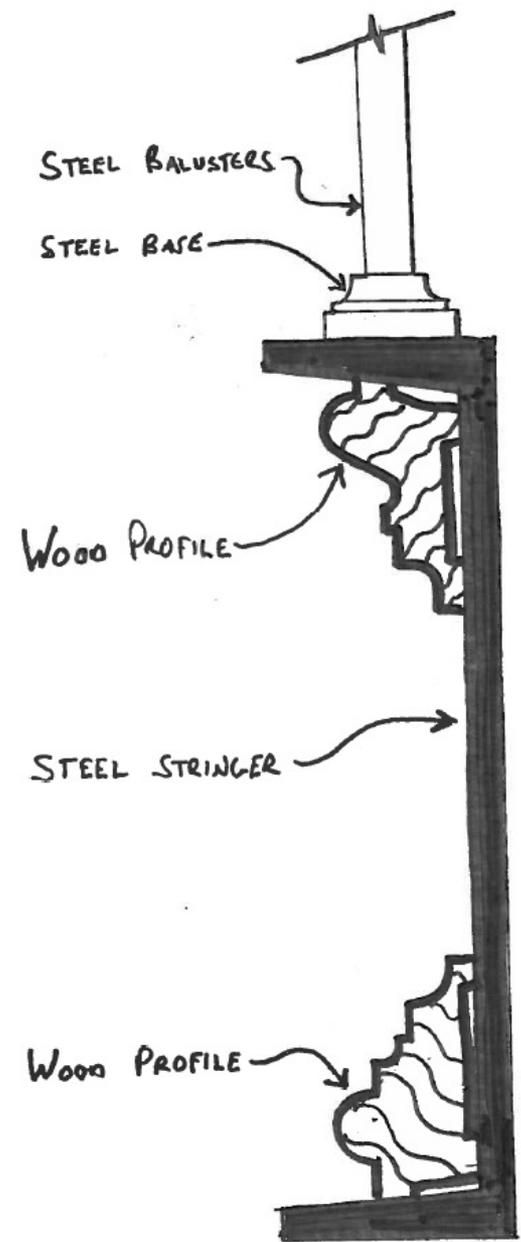
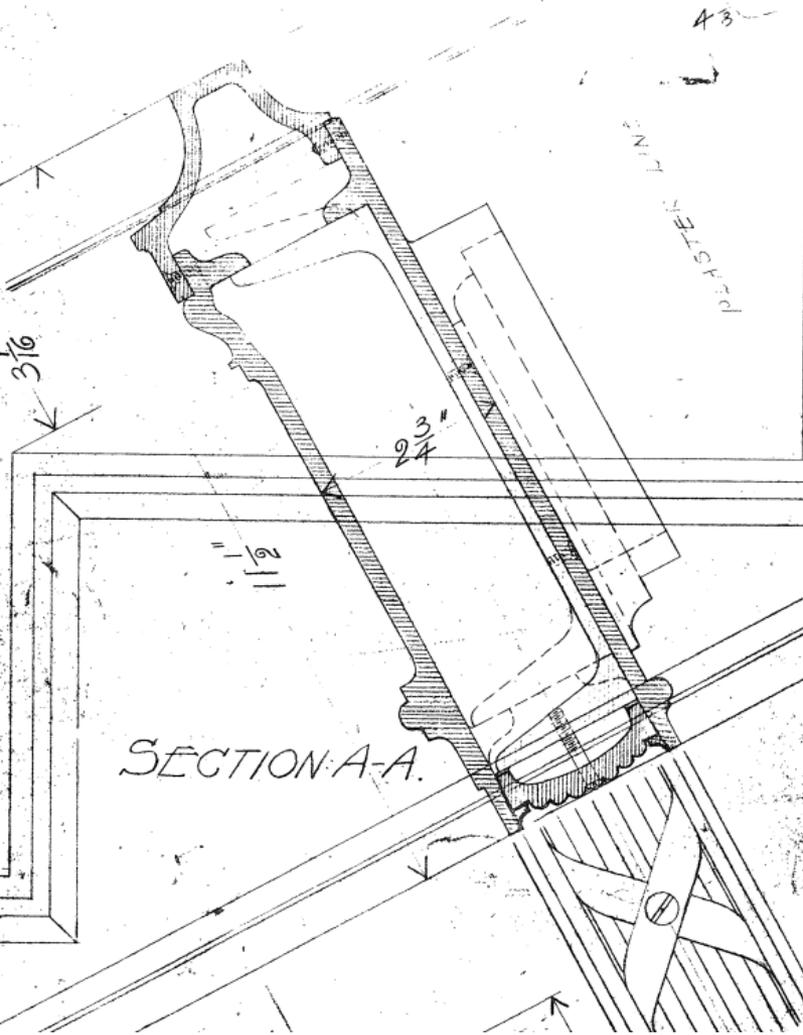


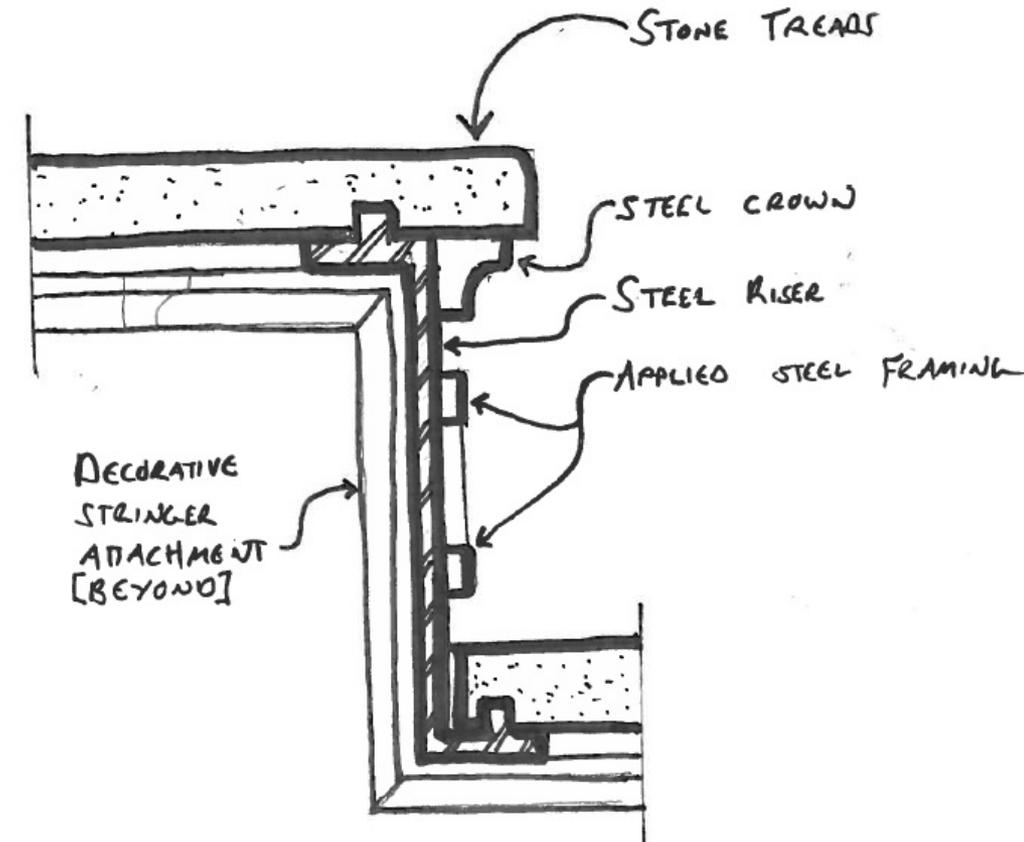
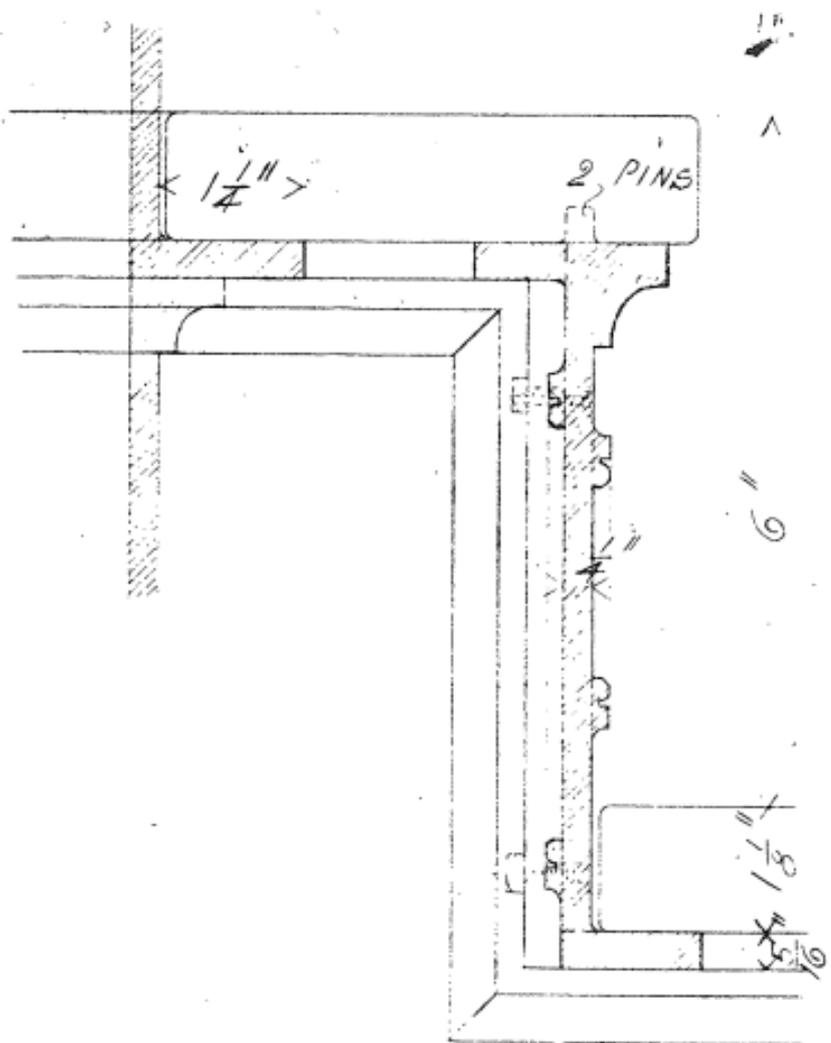
Stairs

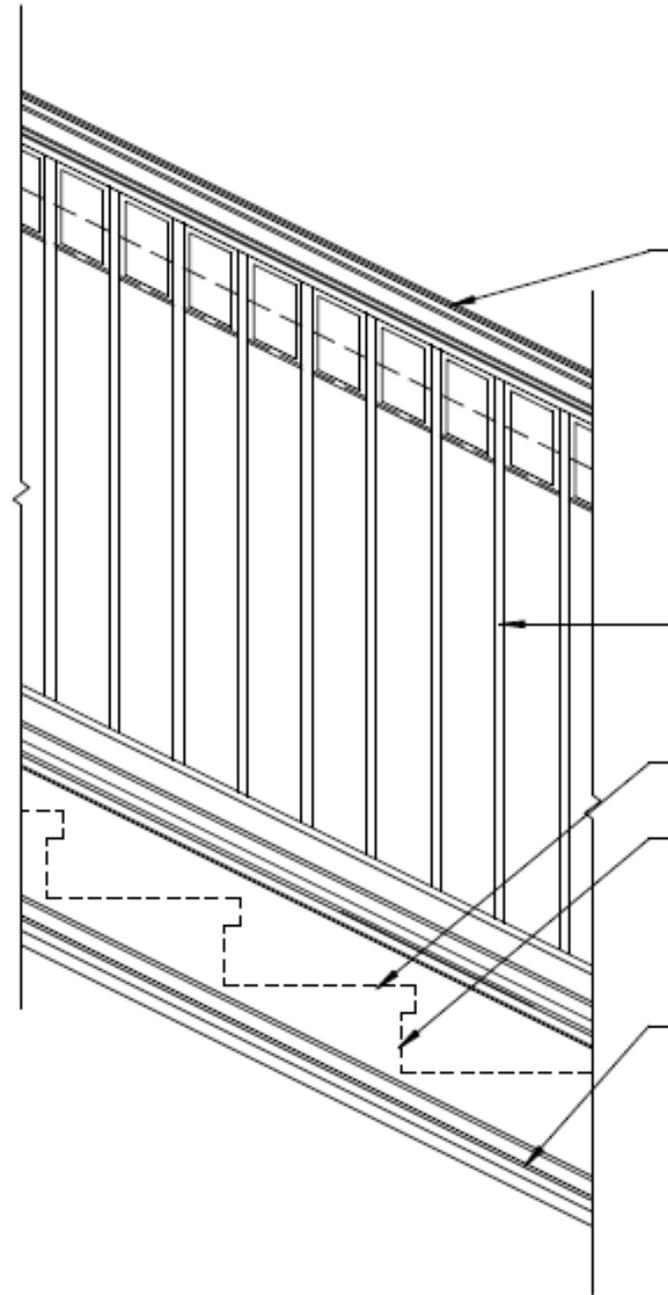
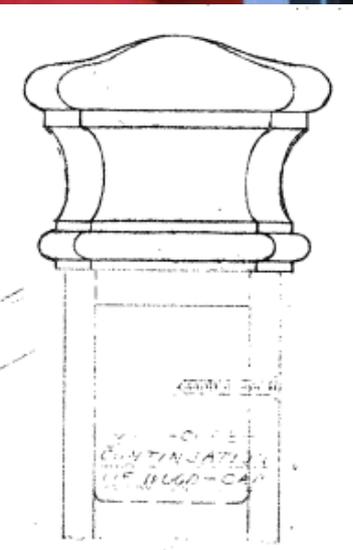
A continuation of the existing precedents

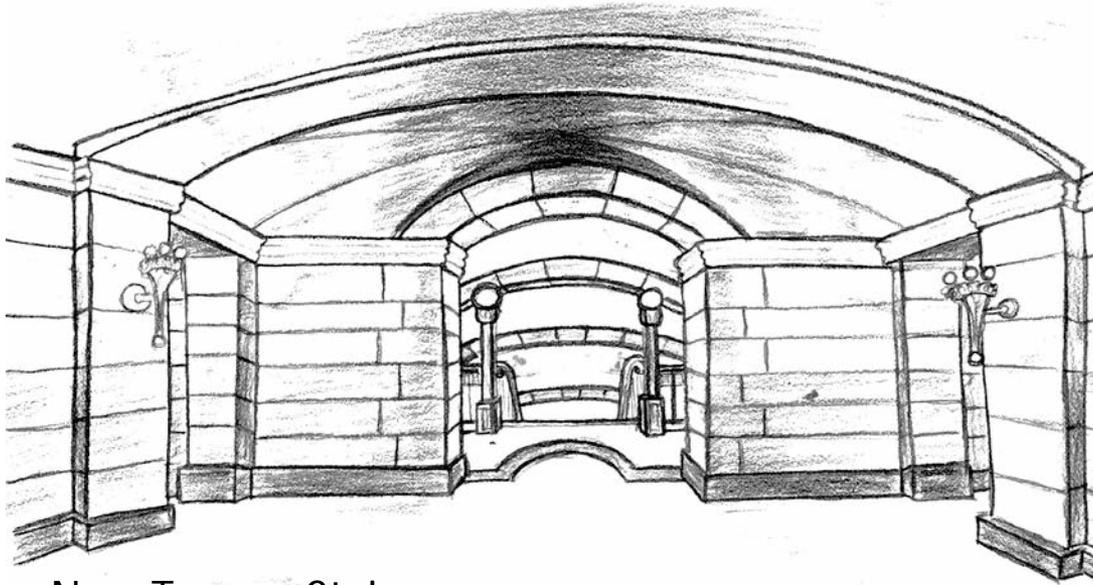


Secondary Corridor Stairs – New portions to match original character and details







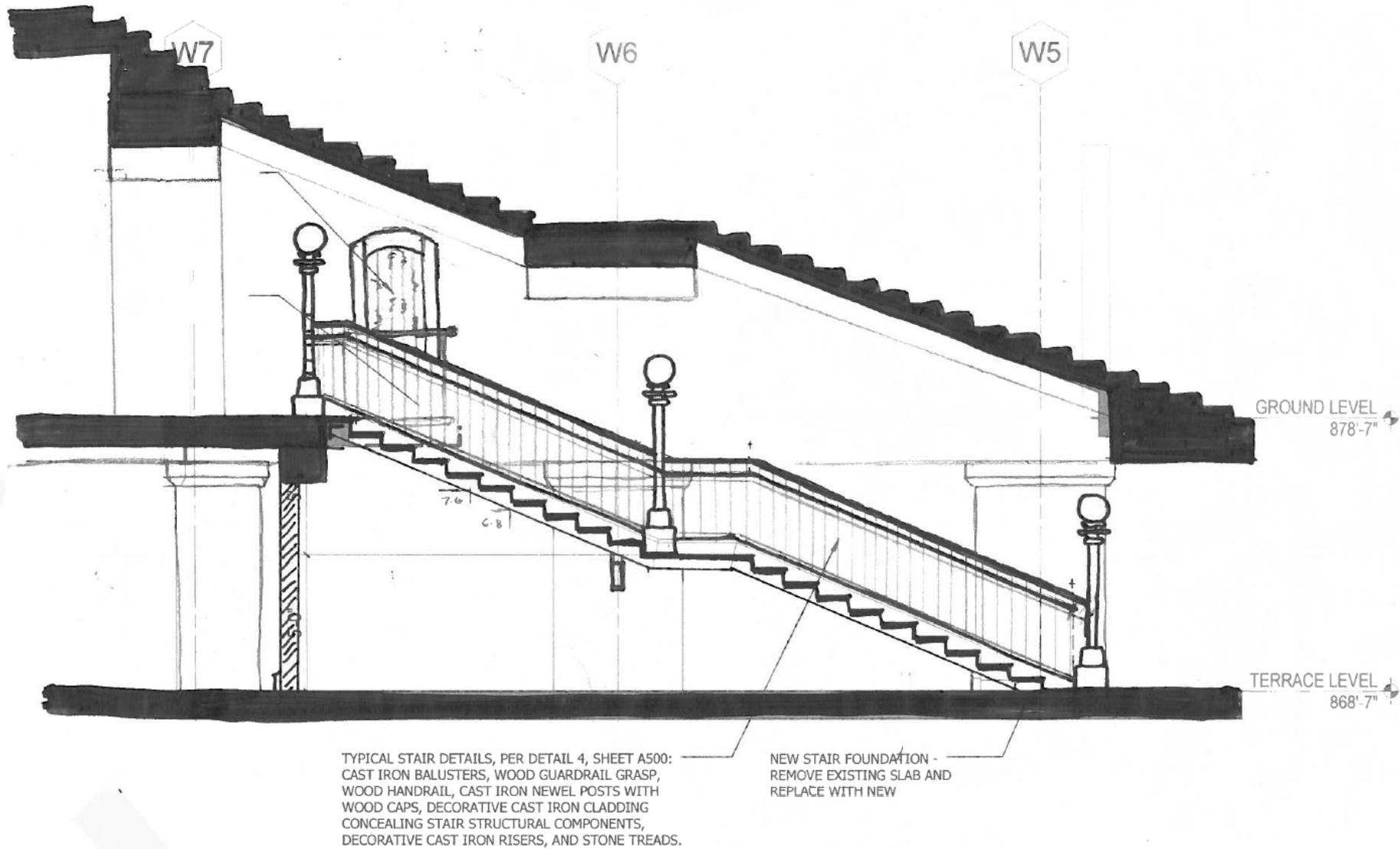


Concept Sketch for New Terrace Stair

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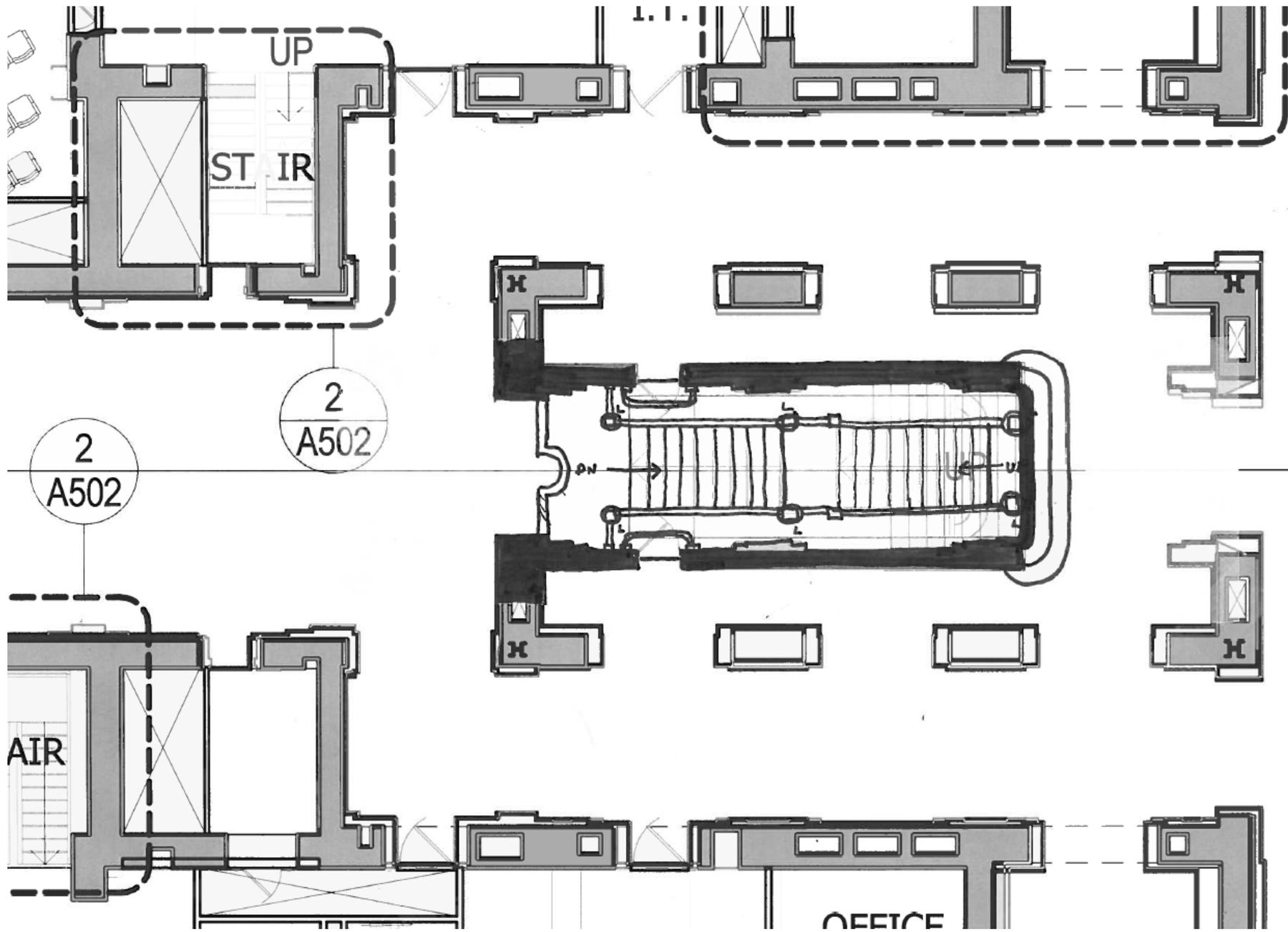


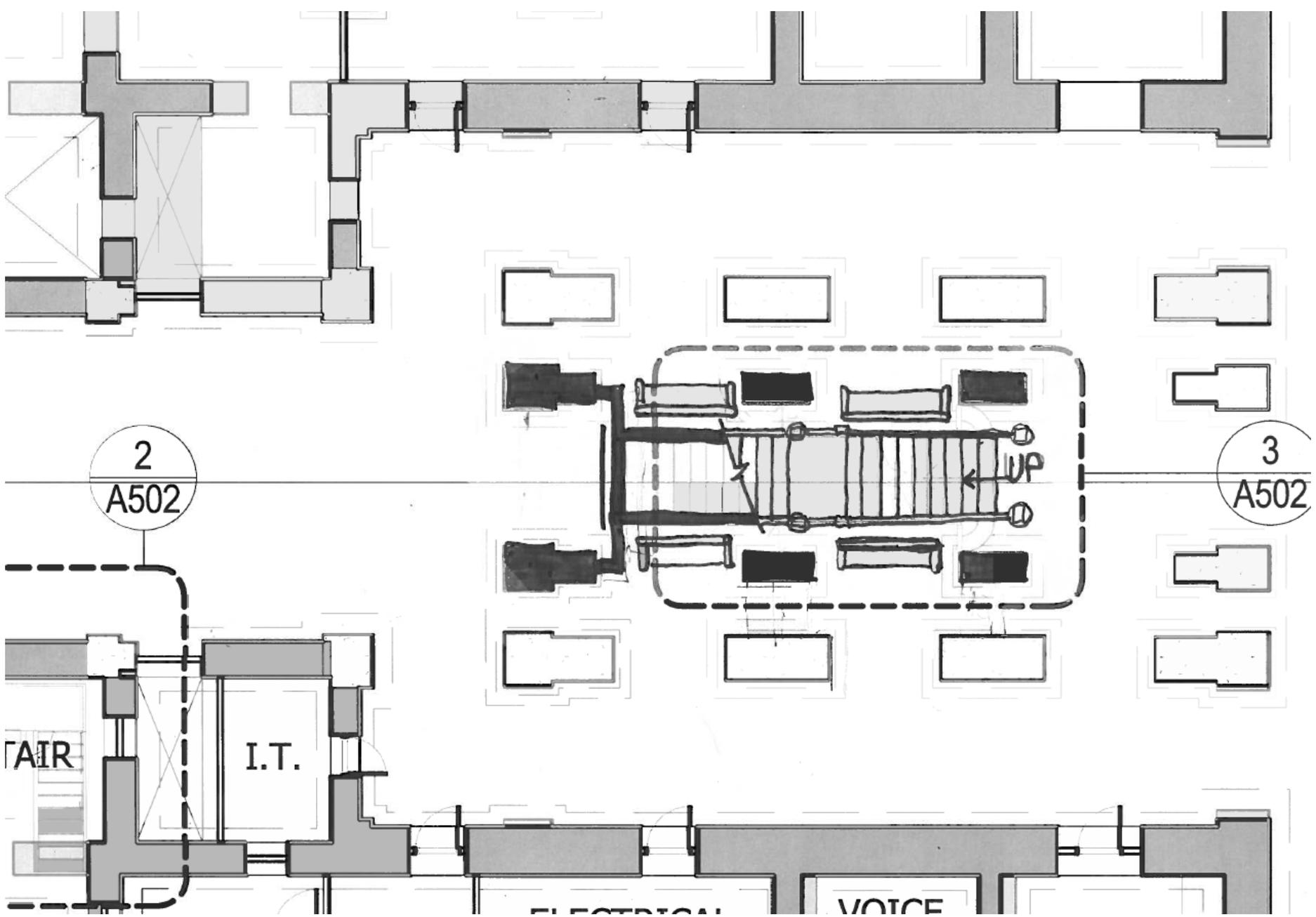




Concept Sketch for New Terrace Stair Option

Design Development – July 31 & August 1, 2013







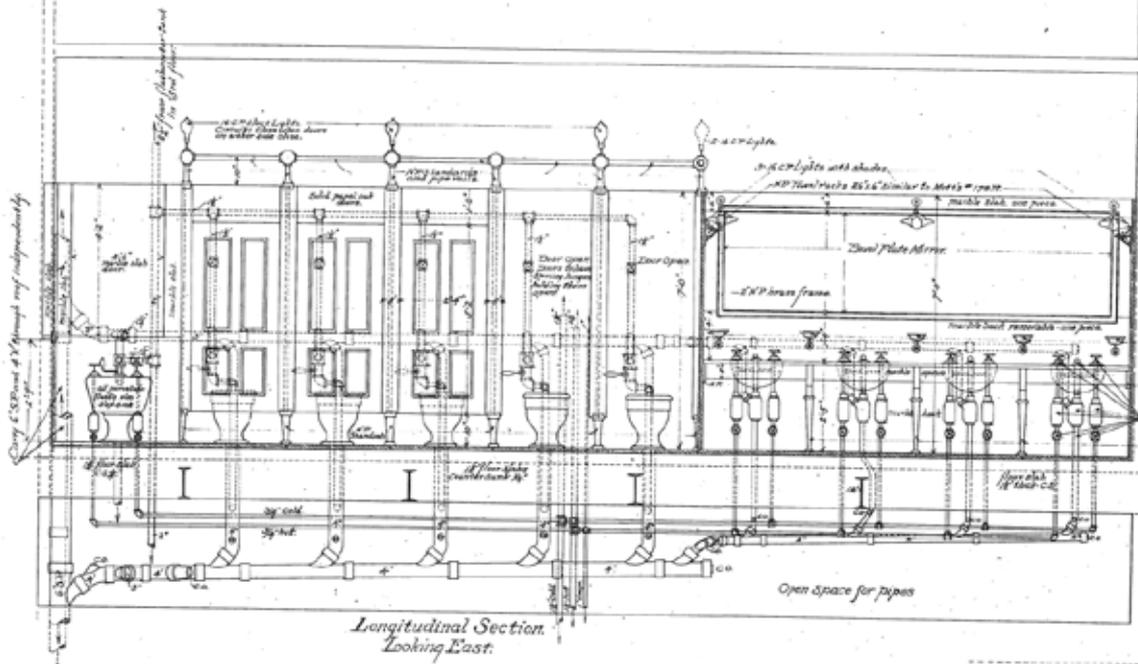
Restrooms

Historic Appearance and Contemporary Functionality

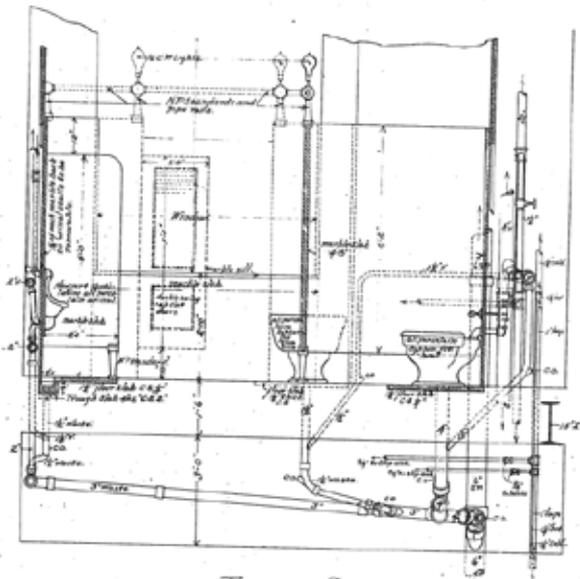
Existing / Original Conditions

- § Original Tennessee Pink Marble finishes largely remain. These include the wainscot (7'-0" high), stone tile floors (modified in some cases), and toilet partitions.
- § Original pole mounted globe light fixtures remain.
- § Original wood panel toilet doors have been replaced with replicas and hardware has been upgraded.
- § Plumbing fixtures are non-original.
- § No original toilet accessories remain (such as soap dishes, towel racks, bent wood oak toilet seats, etc) except for the mirrors
- § Original metal finish used in the restrooms was nickel. Several nickel components remain.

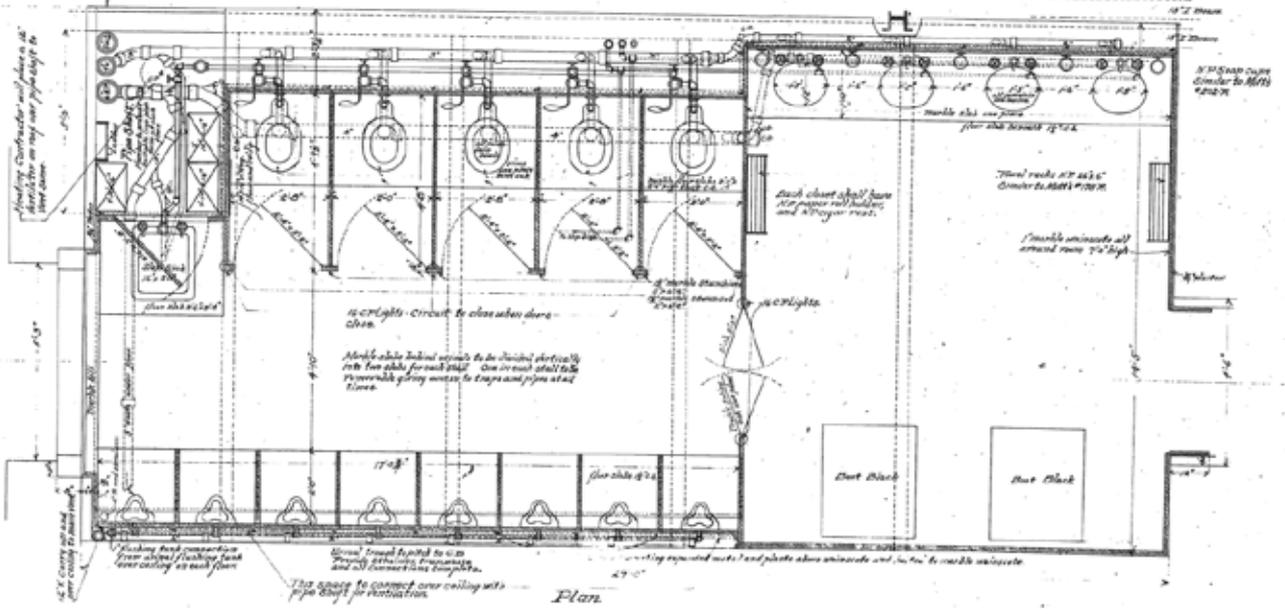




Longitudinal Section
Looking East.



Transverse Section
Looking North



Plan.

Note: Plumber shall verify all measurements at building. All cutting of marble shall be necessary for installation of Electrical or Heating Work shall be done by Plumber according to directions of the Electrician. All exposed metal work - galvanized hinges, locks, work clips, but heads nuts etc, and all floor nuts, brass dishes, paper roll holders, wire cutters, traps, extra valves, traps, legs, standards - all needed work unless otherwise specified to be Nickel Plated. These drawings show general arrangement and must be followed as closely as possible. Plumber will be held responsible for the working of the system and any change from the plans found necessary for the effective operation of the system must be made by him after first consulting with the Electrician.

General Fixtures in Master and Basement to be same arrangement of fixtures. Size of rooms approximately the same.

GENERAL TOILET ROOM SECOND FLOOR
GENERAL TOILET IN FIRST FLOOR AND BASEMENT
SAME ARRANGEMENT AS ABOVE.
SCALE - 1/8" = 1'-0"
SEE ALSO FULL SIZE DETAILS OF INTERIOR FINISH.

SHEET No. 197

SIZE REDUCTION. REPRODUCED FROM THE HOLDINGS OF THE SUDANESA HISTORICAL SOCIETY 1981

(257)



Use and extent of marble



Fixture Counts

WATER CLOSETS												
	Business		Assembly		TOTAL		<i>Existing</i>			Current Design		
	Male	Female	Male	Female	Male	Female	Male	Female	Unisex	Male	Female	Unisex
Basement Floor	3	3	0	0	3	3	9	6	4	9	10	2
Ground Floor	5	5	4	7	9	12	3	5	2	7	7	2
First Floor	4	4	8	15	12	19	12	6	7	9	9	4
Second Floor	4	4	3	6	7	10	14	9	8	14	13	1
Third Floor	4	4	2	4	6	7	11	4	0	6	4	0
Fourth Floor	1	1	0	0	1	1	0	0	0	0	0	0
TOTAL WATER CLOSETS:					37	53	49	30	21	45	43	9

LAVATORIES												
	Business		Assembly		TOTAL		<i>Existing</i>			Current Design		
	Male	Female	Male	Female	Male	Female	Male	Female	Unisex	Male	Female	Unisex
Basement Floor	2	2	0	0	2	2	6	5	4	7	7	2
Ground Floor	3	3	2	2	6	6	2	6	2	5	5	2
First Floor	3	3	5	5	8	8	5	6	4	7	7	4
Second Floor	3	3	2	2	5	5	8	9	6	11	11	1
Third Floor	3	3	1	1	4	4	2	3	0	4	4	0
Fourth Floor	1	1	0	0	1	1	0	0	0	0	0	0
TOTAL LAVATORIES:					25	25	23	29	16	34	34	9

Design Intent and Objectives:

§ Improved accessibility for persons with disabilities

- Required stall dimensions, turning circles, door clearances, counter heights, reach ranges, and other such items will be designed for persons with disabilities

§ Salvage, clean, and reuse existing historic components wherever possible, including:

- Tennessee Pink Marble (to be honed, cleaned, and re-polished)
- Lighting fixtures
- Existing stall doors (where possible)

§ Improved lighting design

- Lighting levels will be improved
- Original light fixtures will be refurbished, cleaned, and reinstalled.
- New high efficiency lighting fixtures will supplement original light fixtures.

Design Intent and Objectives:

§ Improved personal space

- Larger toilet stall areas

§ Improved consistency among finishes

- New finishes will be consistent with historic finishes to the greatest extent possible, including:
 - Stone finishes to match Tennessee Pink Marble
 - Stained and sealed oak doors
 - Nickel or Nickel plated metal finishes

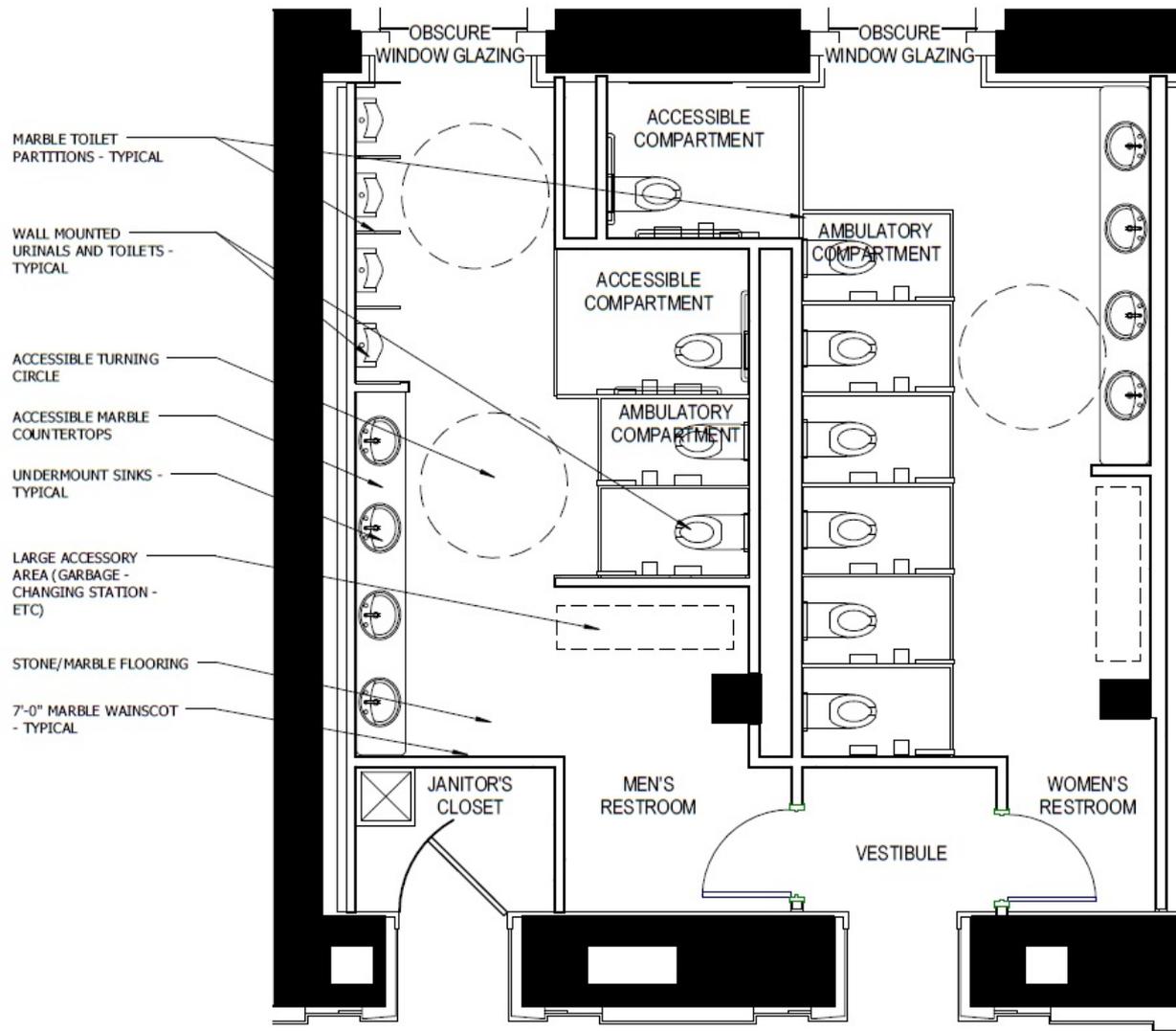
§ Contemporary plumbing fixtures

- Wall mounted toilets
- Wall mounted urinals
- Under-mount sinks

§ Contemporary toilet accessories

- Paper dispensers, soap dispensers, baby changing stations, etc.
- Accessory mounting will be designed, so that accessories may be repaired or replaced with little or no damage to the marble finishes

§ Improved air quality



RESTROOM SCHEMATIC DESIGN NOTES:

- 1) ALL FINISHES AND MATERIALS SHALL BE THE SAME AS THOSE USED HISTORICALLY. SEE DETAIL 3/A620.
 - A) FLOORS, WAINSCOT, TOILET PARTITIONS, AND COUNTERTOPS SHALL ALL BE MARBLE.
 - B) TOILET PARTITION DOORS (NOT SHOWN) SHALL BE SOLID WOOD (OAK), WITH STILE/RAIL/PANELS SIMILAR TO THOSE USED ORIGINALLY - SEE DETAIL 3/A620.
 - C) PIPES, FITTINGS AND DECORATIVE LIGHTING FIXTURES SHALL BE PLACED AT EACH TOILET PARTITION PANEL AS ORIGINALLY DESIGNED - SEE DETAIL 3/A620.
 - D) FULL LENGTH MIRROR AT EACH RESTROOM SINK BANK (NOT SHOWN) SHALL UTILIZE METAL FRAMES.
 - E) ALL METAL FINISHES SHALL BE POLISHED NICKEL, AND PLATED POLISHED NICKEL WHERE REQUIRED.
- 2) MARBLE WAINSCOT SHALL EXTEND 7'-0" A.F.F.

Ground – Third Floor Restroom Finishes:

§ Walls:

- Tennessee Pink marble wainscot 7'-0" high
- Painted gypsum board upper walls

§ Floor:

- Tennessee Pink marble tile/slab flooring

§ Ceiling:

- Painted gypsum board

§ Furniture & Accessories:

- Tennessee Pink marble countertops
- Clear-finish oak toilet stall doors
- Nickel and Nickel plated metal finishes (polished)
- Tennessee Pink marble toilet stalls

Basement Restroom Finishes:

§ Walls:

- White subway tile wainscot 7'-0" high
- Painted gypsum board upper walls
- Exposed granite foundation walls

§ Floor:

- Porcelain tile to look like slate

§ Ceiling:

- Painted exposed structural clay tile vaulting

§ Furniture & Accessories:

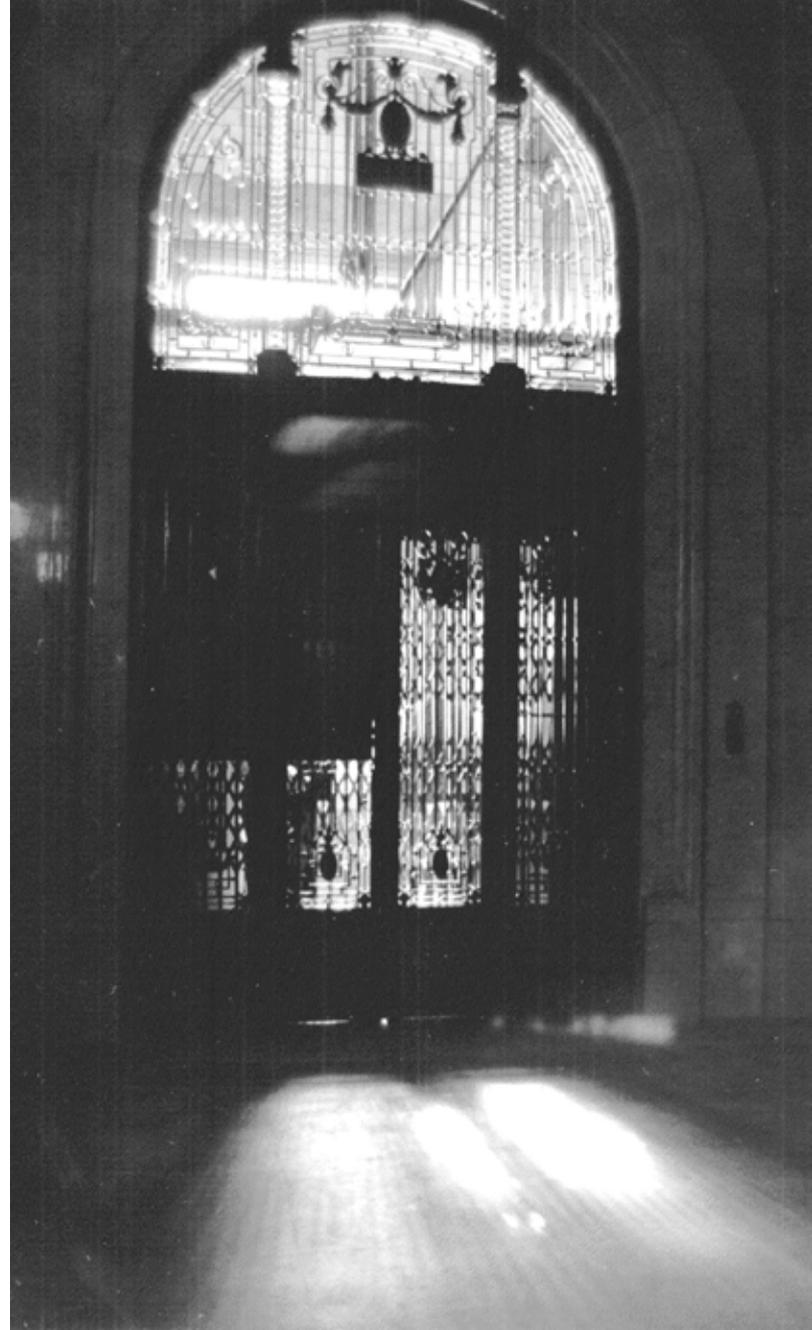
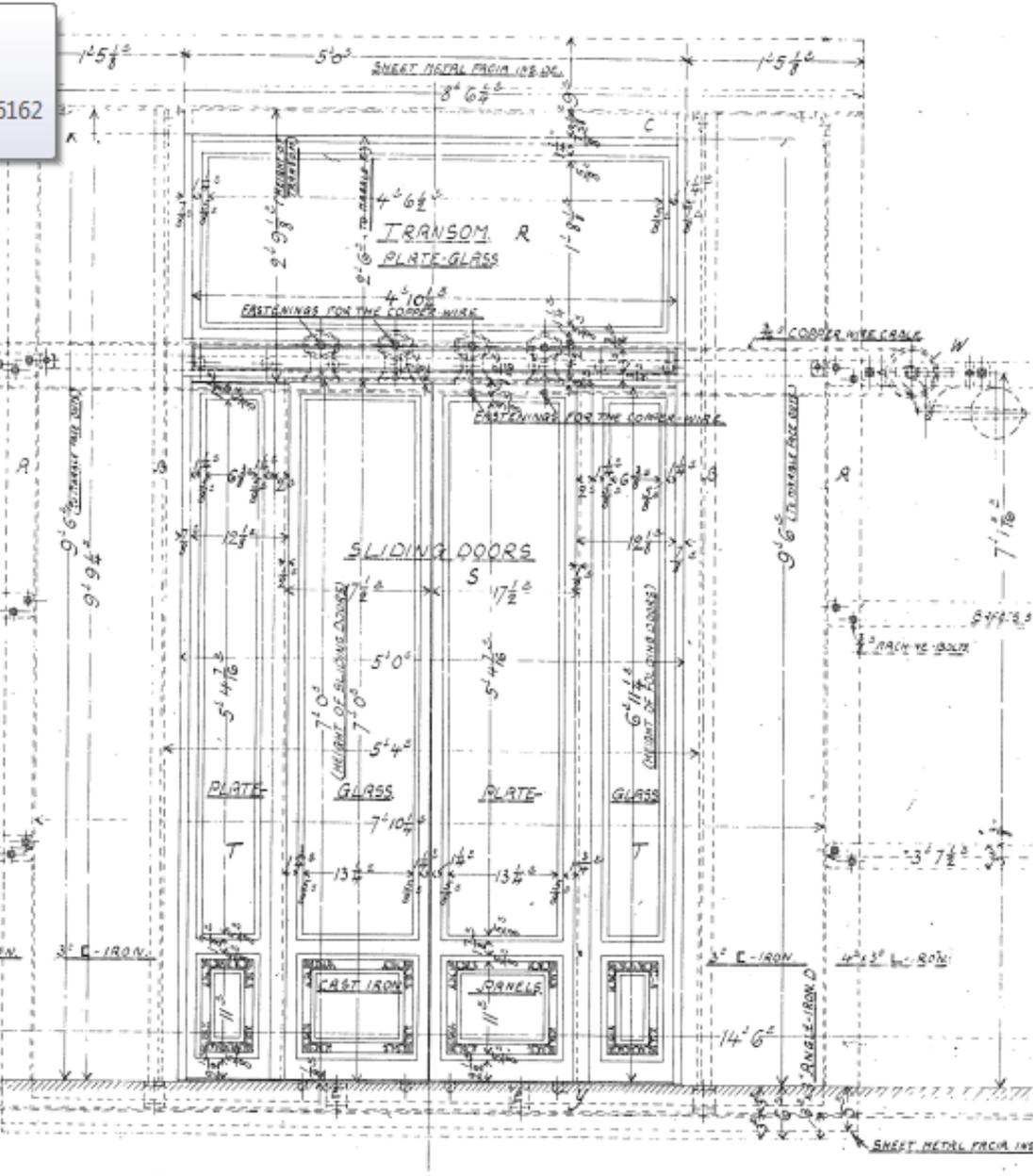
- Black solid-surface countertops to imitate the appearance of soapstone
- Painted wood toilet stall doors
- Nickel and Nickel plated metal finishes (polished)
- Black solid-surface toilet stalls



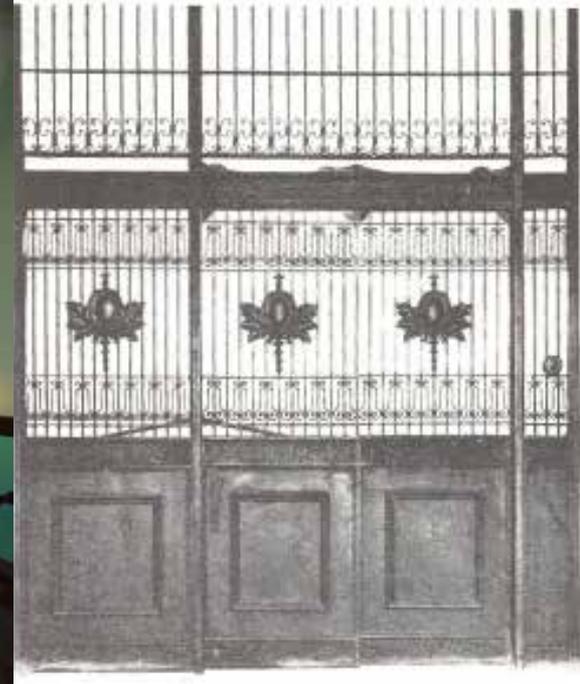
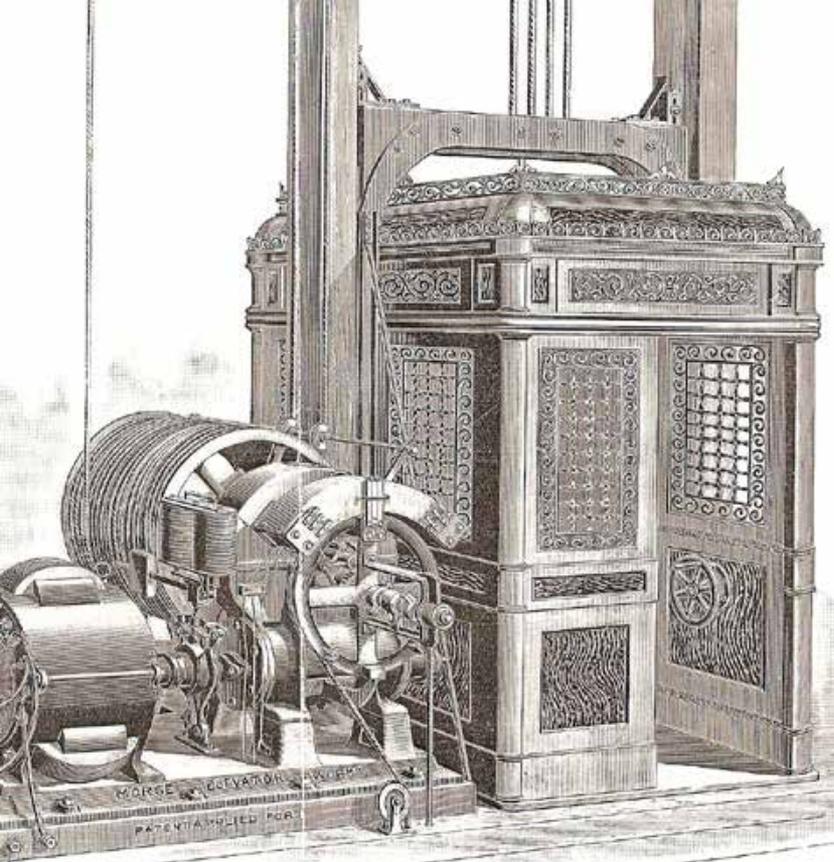


Elevators
Historically appropriate with modern functionality

ELEVATION OF ELEVATOR-ENCLOSURE



5162



Early
1900s
elevators



Examples of New Elevators with historically appropriate finishes

Design Development – July 31 & August 1, 2013

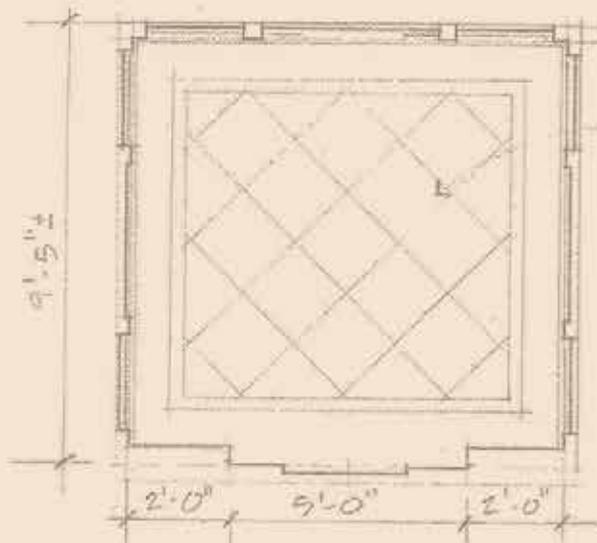


Examples of New Elevators with historically appropriate details

Rotunda Elevator Specifications:

- Fast – 500 ft/min.
- Large cabs – 9 ft square
- Wide entry doors
- Durable but appropriate interior finishes
 - Cork or stone floors, TBD
 - Painted wood (to mimic metal panels)
 - Painted tin ceiling
- Ceiling mounted light fixture
- High efficiency – Motor configuration to be determined





CAB PLAN

CORK FLOORING

STAMPED TIN CEILING

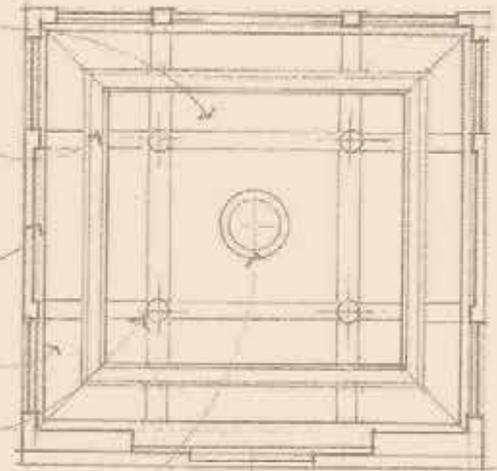
WD CROWN MOLDING

HP BED MOLDING

STAMPED TIN COVE

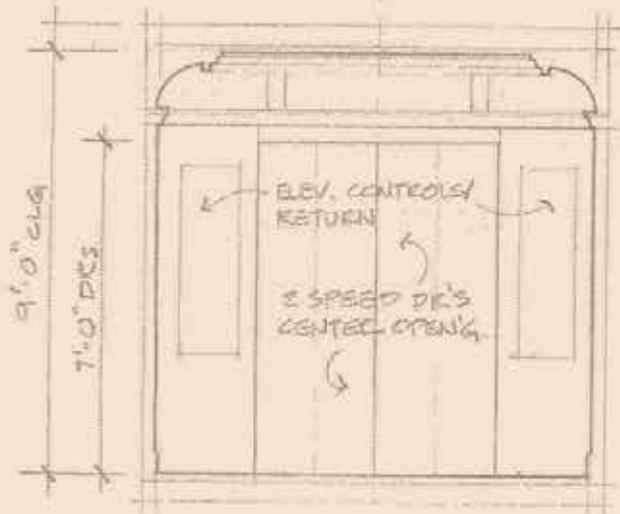
LIGHT FIXTURE

LIGHT W/ VENTILATOR BASE @ CENTER



LAMINATED GLASS CAB WINDOW W/ DECORATIVE METAL GRILL & INTERIOR (TYP.)

CAB R.C.P.

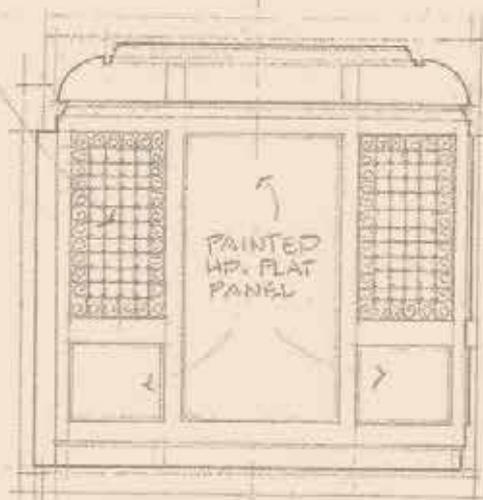


CAB FRONT
SCALE 1/2" = 1'-0"

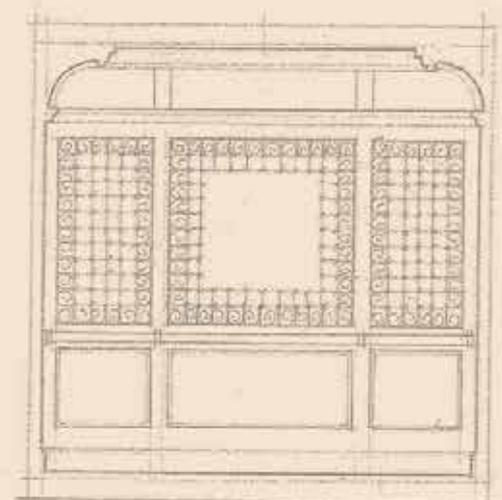
REV. CONTROLS RETURN

3 SPEED DR'S CENTER OPENG

PRINTED HP. FLAT PANEL



CAB SIDES



CAB REAR

Governor's Elevator Specifications:

- All new shaft
- High efficiency, machine room-less motors
- Etched bronze doors to create a panelized look
- Durable but appropriate interior finishes
 - Carpet floor
 - Oak panels
 - Painted tin ceiling
- Ceiling mounted light fixture



New Service Elevator Specifications:

- Fast – 500 ft/min.
- 5,000 lbs capacity
- Large cab
- High efficiency, machine room-less motors
- Etched bronze doors to create a panelized look
- Durable but appropriate interior finishes
 - Cork or stone floor, TBD
 - Wood and metal grille panels on walls
 - Painted tin ceiling
- Ceiling mounted light fixture





Zone 1 Public Spaces

Defining the Scope of Work

Design Development Meeting #1

Design Character

August 1, 2013

Agenda

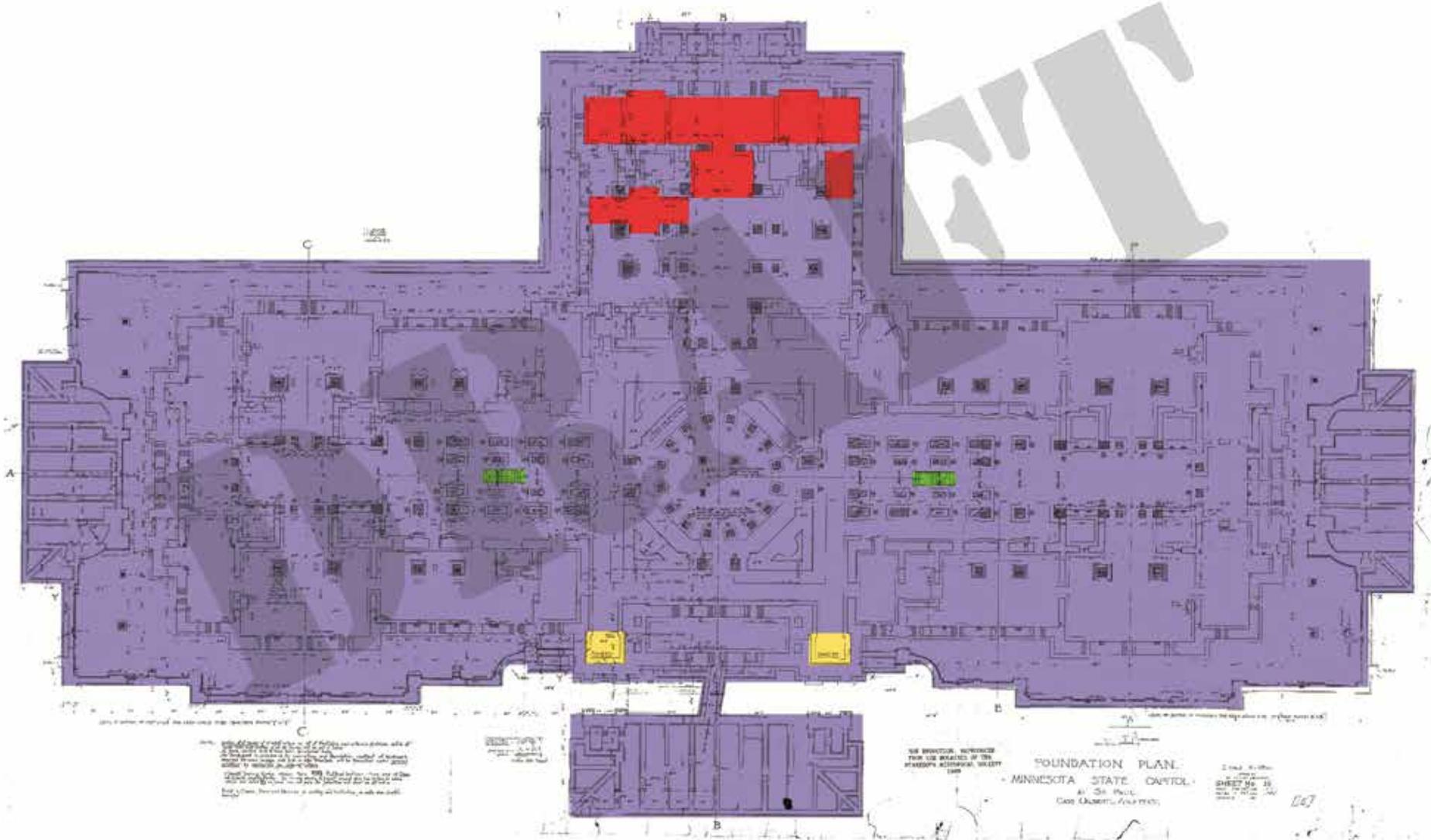
8:30 Confirmation of Scope of Work in Zone 1 Spaces

- Lighting
- Paint
- Stone Cleaning
- Media Services
- Acoustics

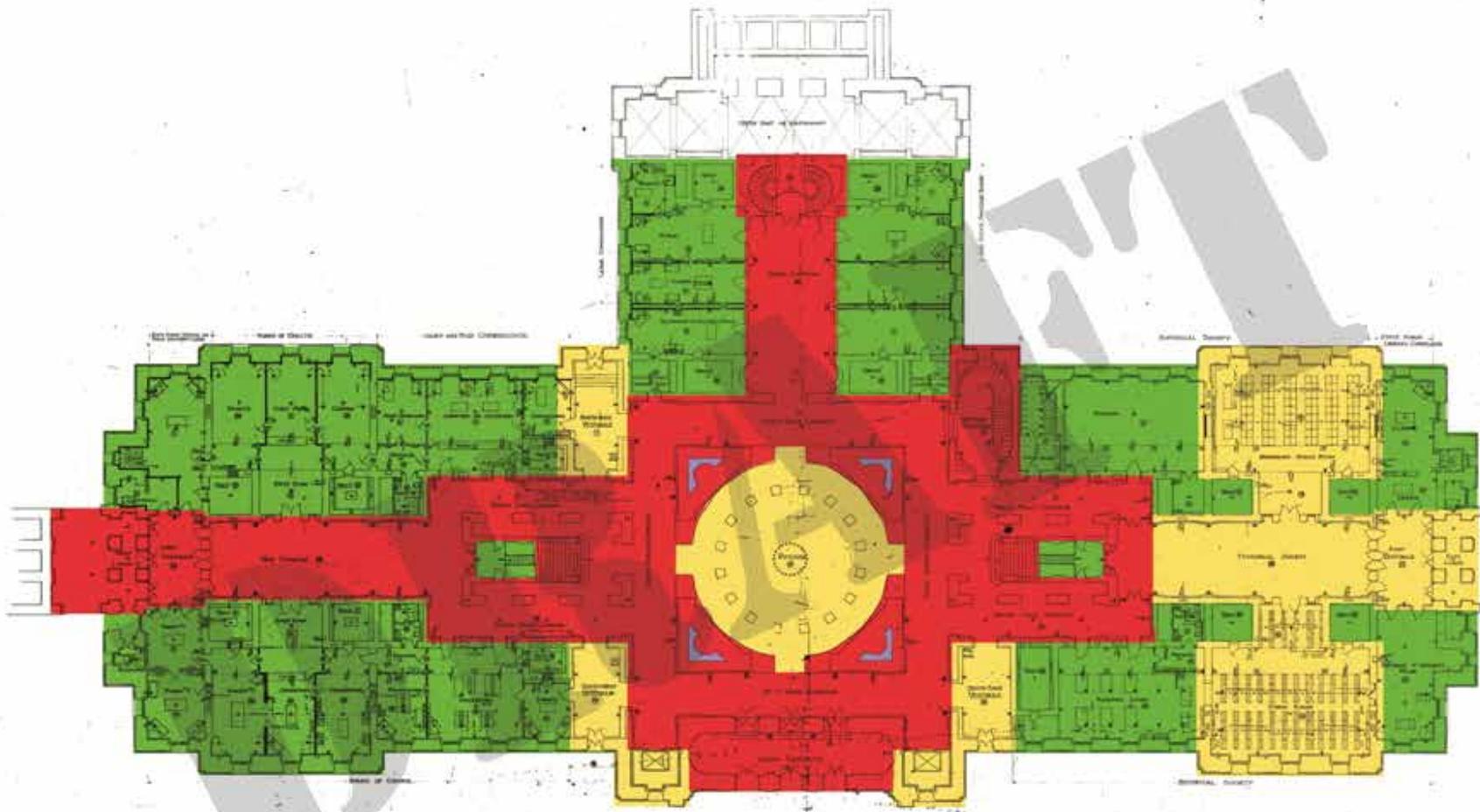
11:30 Lunch Break

12:30 Budget Reconciliation Meeting

1:30 Team meeting



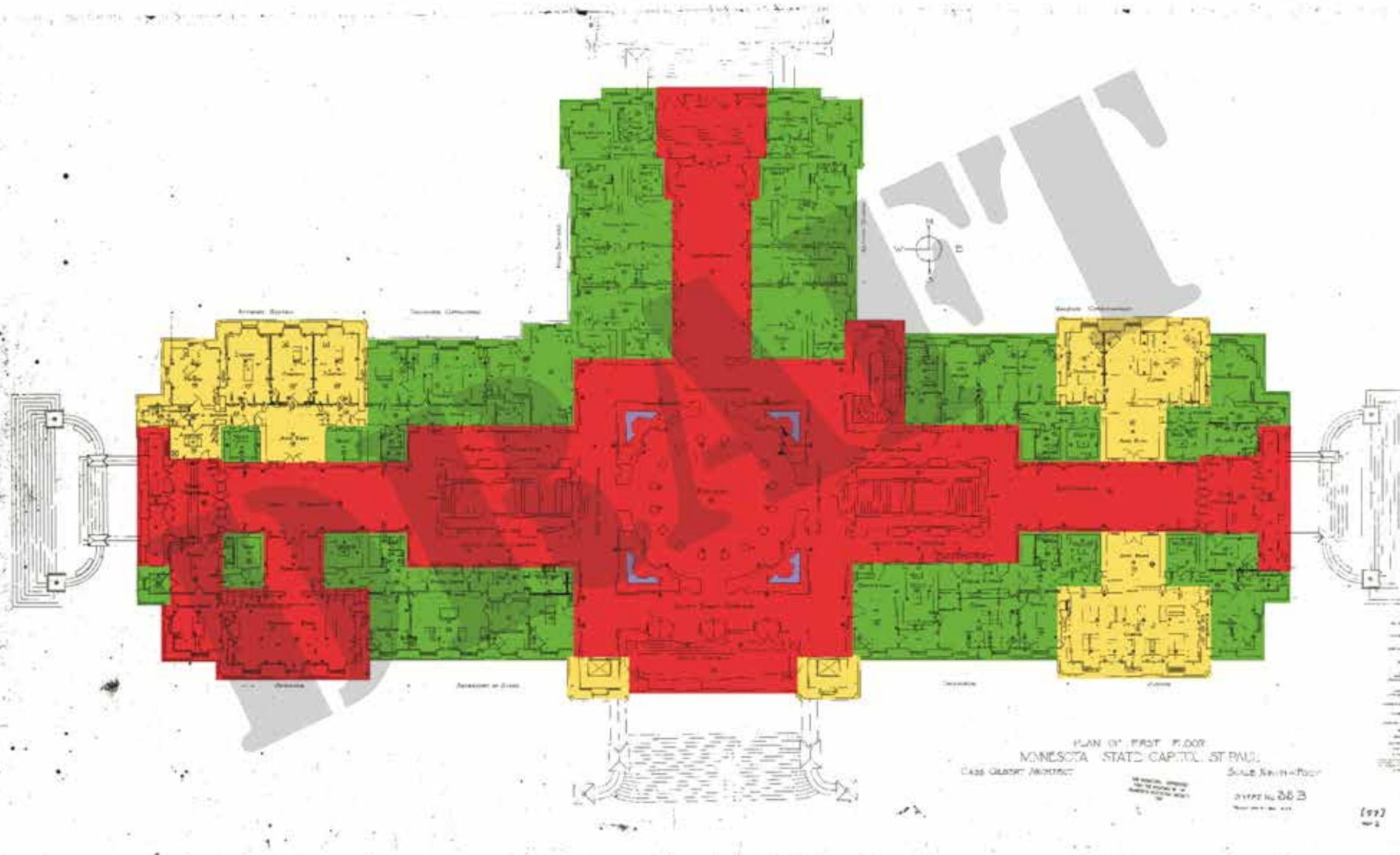
Basement (Terrace) Floor



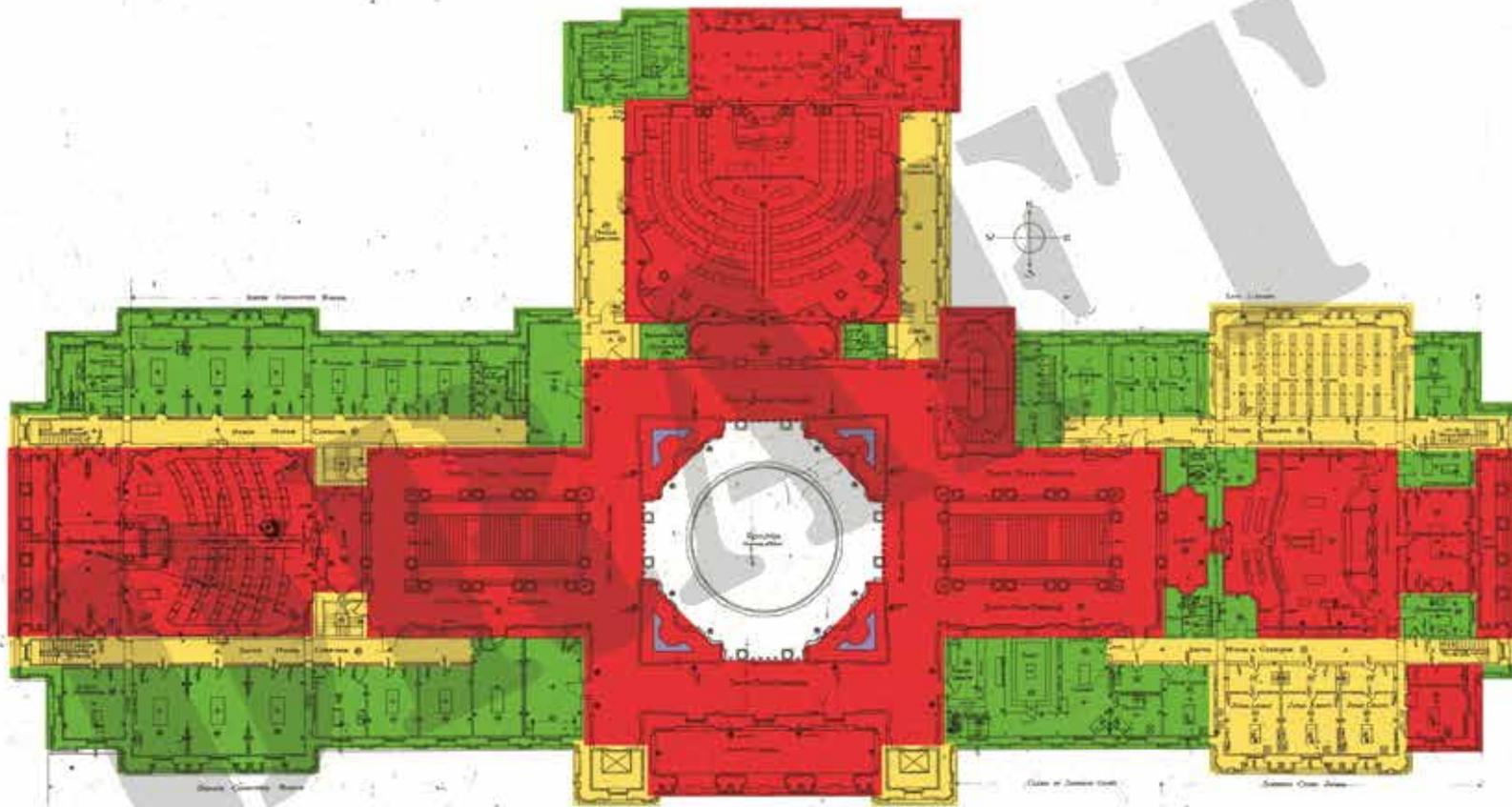
PLAN OF GROUND FLOOR
 MINNESOTA STATE CAPITOL ST. PAUL
 GASS CLIBERT ARCHITECT. FOR MONITOR, PROVIDED FROM THE RECORDS OF THE MINNESOTA HISTORICAL SOCIETY 1989
 SCALE: 1/8"=1'-0"
 SHEET NO. 34.B
 1989

Room	101
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Ground Floor

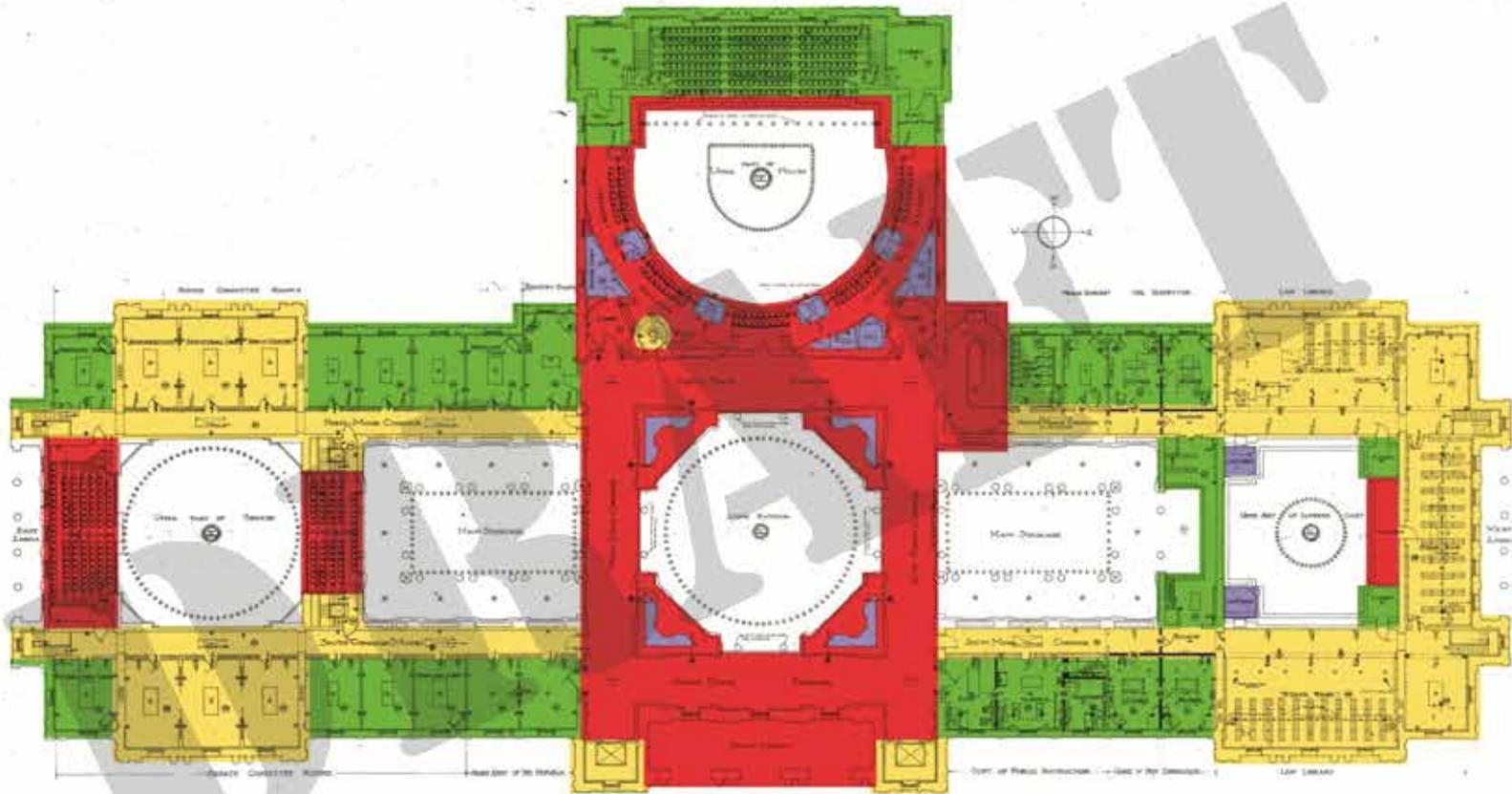


First Floor



PLAN OF SECOND FLOOR
 MINNESOTA STATE CAPITOL ST. PAUL
 CASS GILBERT ARCHITECT
 SCALE 1/8" = 1'-0"
 SHEET No. 26 B
 1911

1/4" = 1'-0"	1/8" = 1'-0"
1/16" = 1'-0"	1/32" = 1'-0"
1/64" = 1'-0"	1/128" = 1'-0"
1/256" = 1'-0"	1/512" = 1'-0"
1/1024" = 1'-0"	1/2048" = 1'-0"
1/4096" = 1'-0"	1/8192" = 1'-0"
1/16384" = 1'-0"	1/32768" = 1'-0"
1/65536" = 1'-0"	1/131072" = 1'-0"
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PLAN OF THIRD FLOOR
 MINNESOTA STATE CAPITOL, ST. PAUL
 SCALE: 1/8" = 1'-0"
 SHEET 10-37B

Third Floor

Zone 1 Scope of Work:

- Plaster repair
- Painting and decorative painting
- Stone repair / restoration
- Woodwork restoration
- Hardware
- New signage & wayfinding
- Furniture restoration
- Artwork
- New fire protection (sprinklers and horn strobes)
- Restore and supplement lighting
- New HVAC
- New communications / press connections

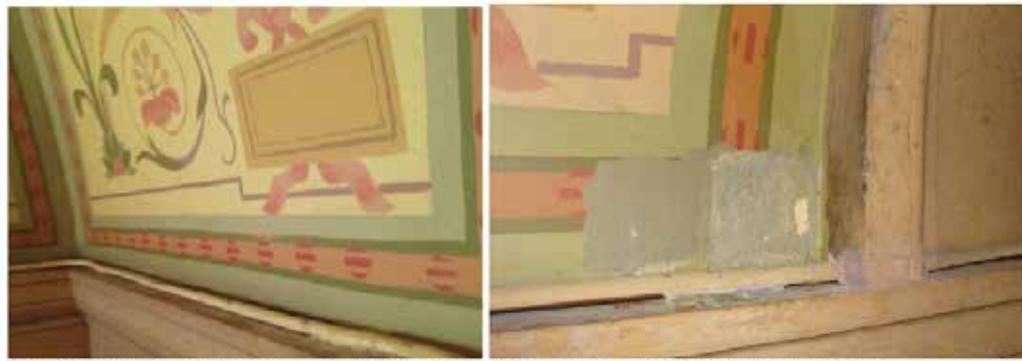


Plaster Repair



Decorative Paint:

- Includes painted borders and stencil work that is seen in many of the Zone 1 public corridors
- Some of the areas have been repainted with new decorative paint schemes
- Some areas have been painted over with solid colors
- Previously restored areas may be impacted by installation of new systems



An exposure window in the east vestibule reveals blue-gray paint under current decoration.



A cleaning test and detail of exposure window in the west vestibule.



An exposure on the ceiling reveals dark blue paint under the current decoration.



An exposure in the lunette reveals evidence of an earlier design under current decoration.

Stone Repair / Restoration:

- Strip wax, clean, remove any previously poorly completed repairs
- Repair any water damage
- Repair using dutchmen and epoxy
- Stone floors will not be returned to a 'like new' appearance
- Restore stone casings at west elevator doors to original configurations



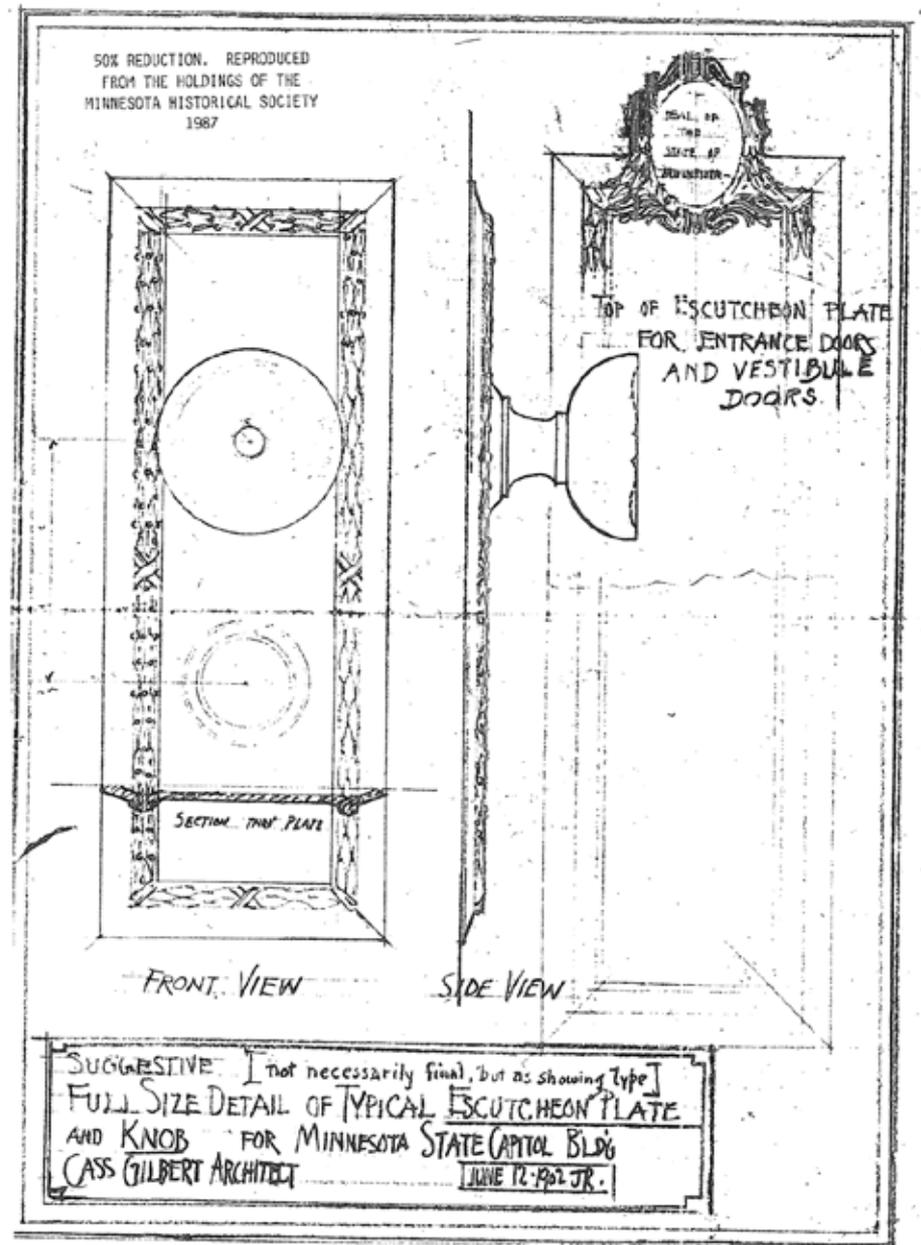
Woodwork Restoration:

- Nearly all of the existing woodwork has been stripped and re-stained a variety of colors through the years
- All woodwork will be stripped and re-stained the same medium-oak color, to match stain color selected for windows
- Any new woodwork will match the original



Hardware:

- All of the original knobs were replaced in the 1990s with historically sensitive levers
- Original inner workings of hardware and levers breaking frequently – may need to be replaced.
- Original hardware components will be retained where possible.
- New hardware will match the original, but historically appropriate levers will be used in place of knobs.



Signage & Wayfinding:

- All new signage and wayfinding package, to be coordinated by signage consultant.
- Working with consultant to insure that signage meets State accessibility standards.



Furniture Restoration: In Project Scope?

- Much of the original furniture still exists
- Scope of work for original furniture to be determined by FF&E consultant, owner, and MHS.



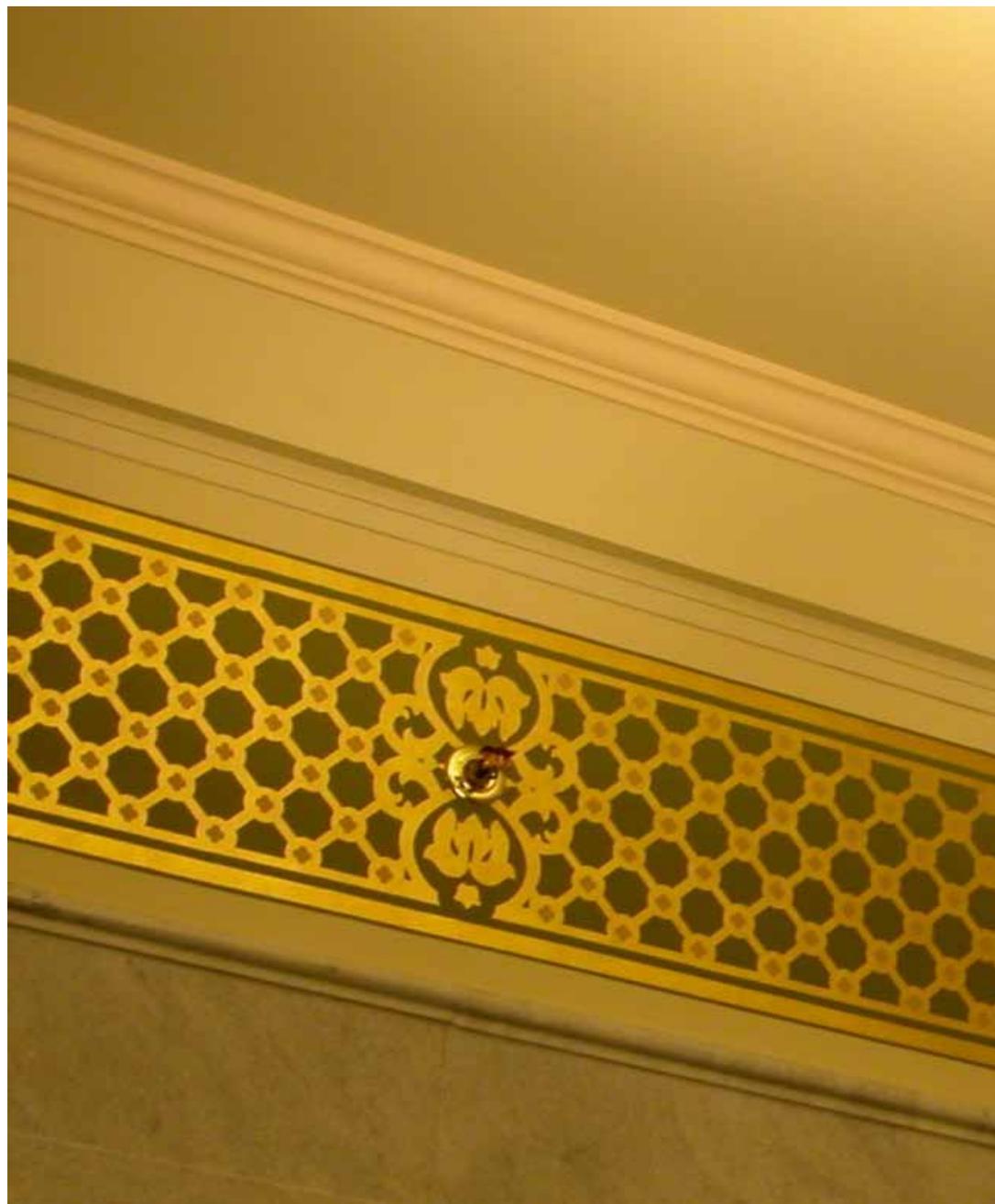
Artwork:

- Artwork will be removed, stored during Construction, and returned to building.
- No work on the artwork is included in the Construction Budget.
- Alternative funding sources are being considered for any recommended work.



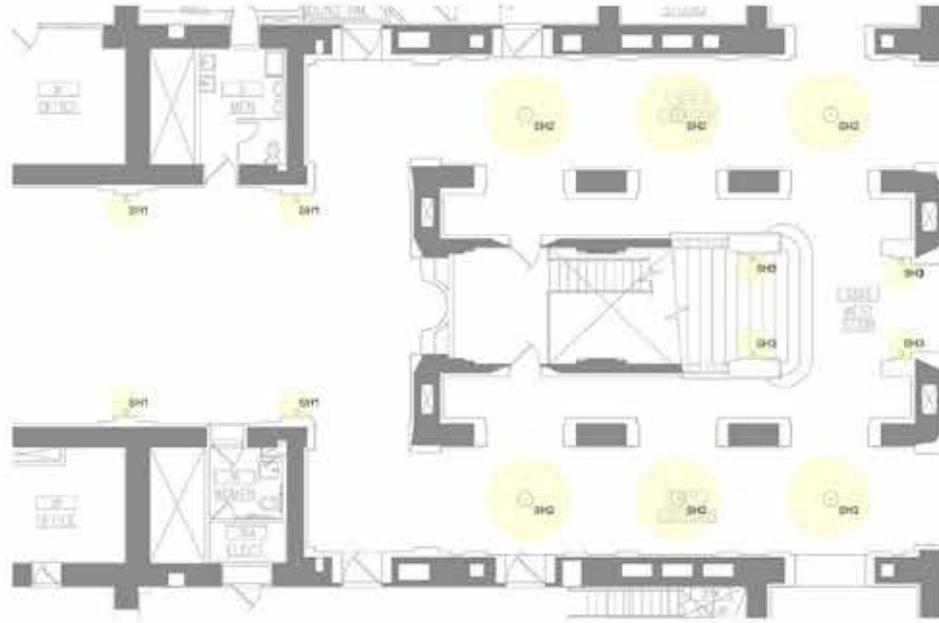
Fire Protection:

- Sprinklers and horn strobes will be sensitively integrated
- Some sprinkler heads will be 'hidden in plain sight'
- Other sprinkler heads will have color matched covers





TYPE SH1



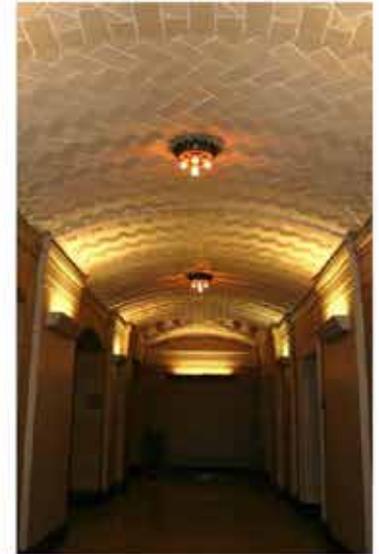
TYPE SH3



GROUND FLOOR – ENTRY & STAIR

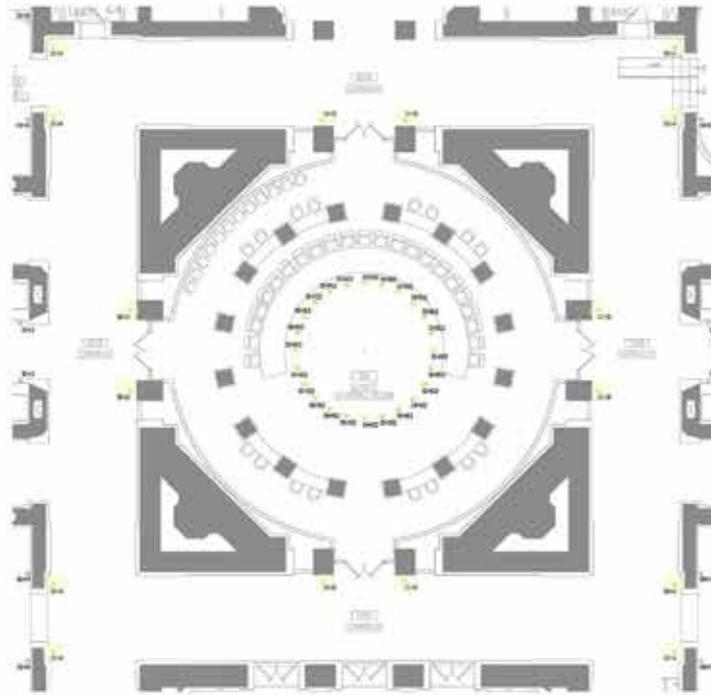


TYPE SH2





TYPE SH4 & SH5



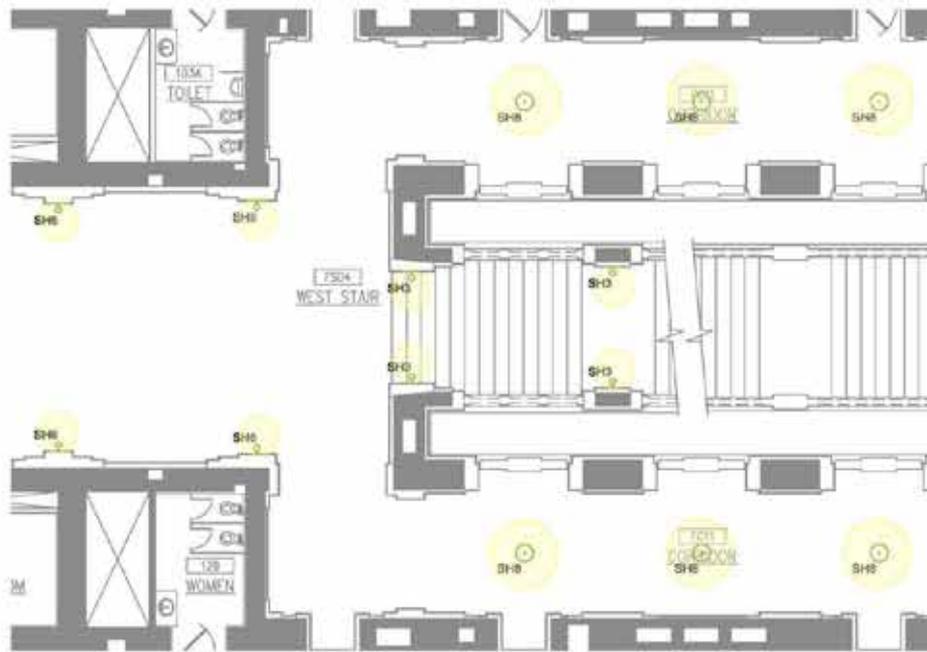
TYPE SH52



GROUND FLOOR – SENATE HEARING ROOM



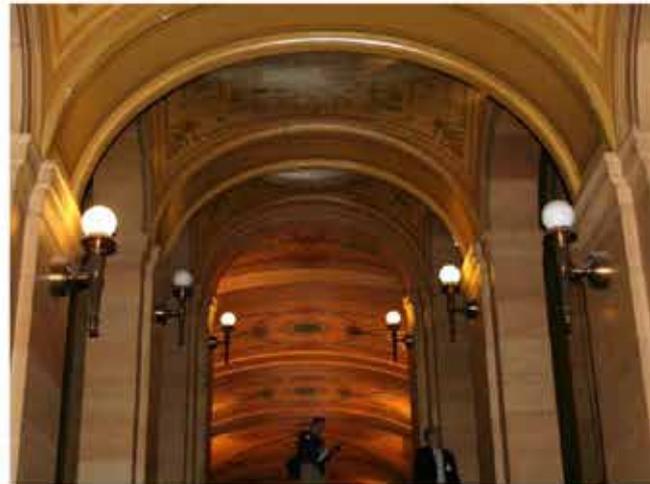
TYPE SH6



TYPE SH8

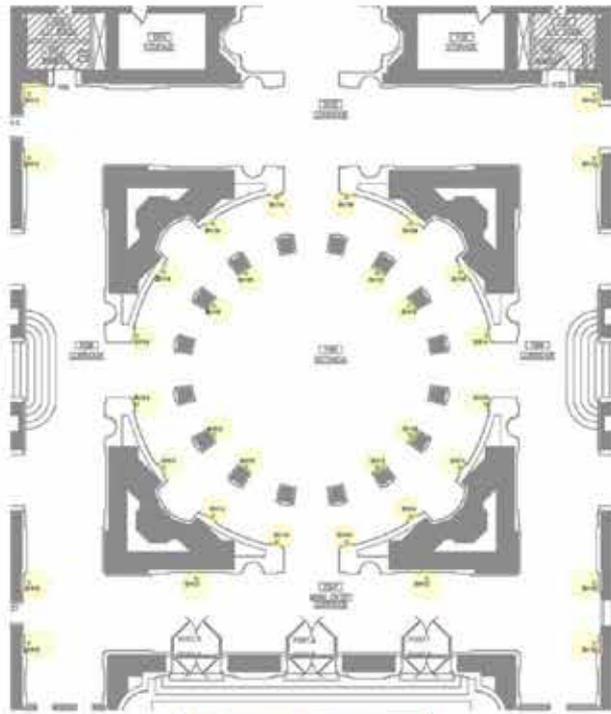


FIRST FLOOR – ENTRY & STAIR





TYPE SH12



TYPE SH15

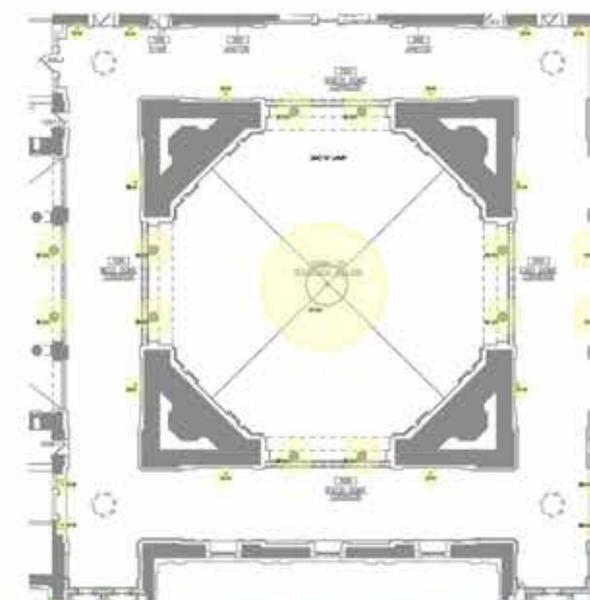
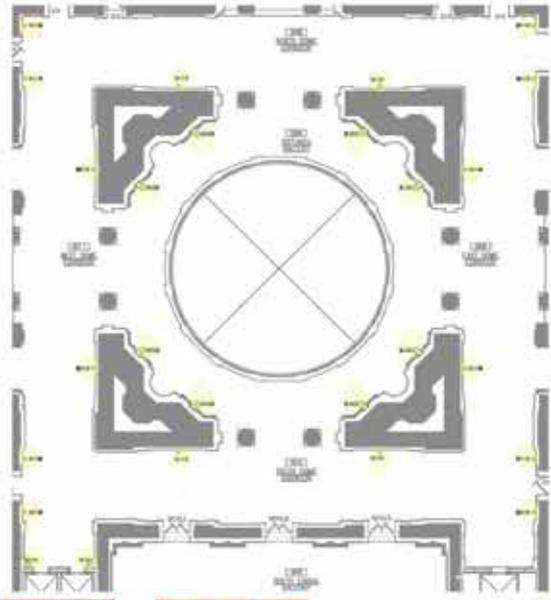
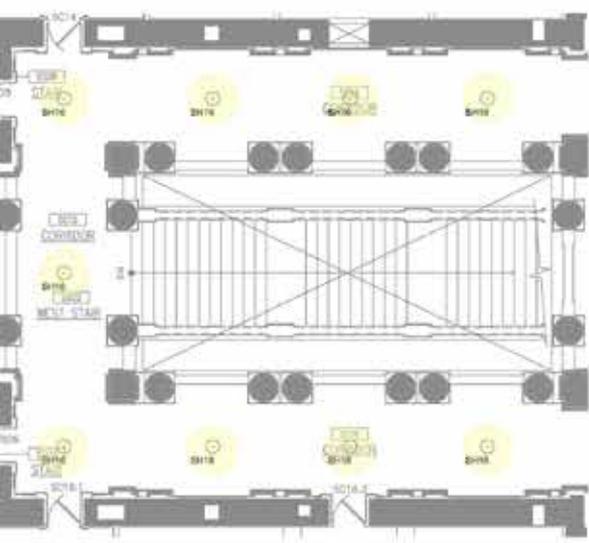


FIRST FLOOR – ROTUNDA



TYPE SH14





TYPE SH16



TYPE SH23



TYPE SH18



TYPE SH4



TYPE SH25

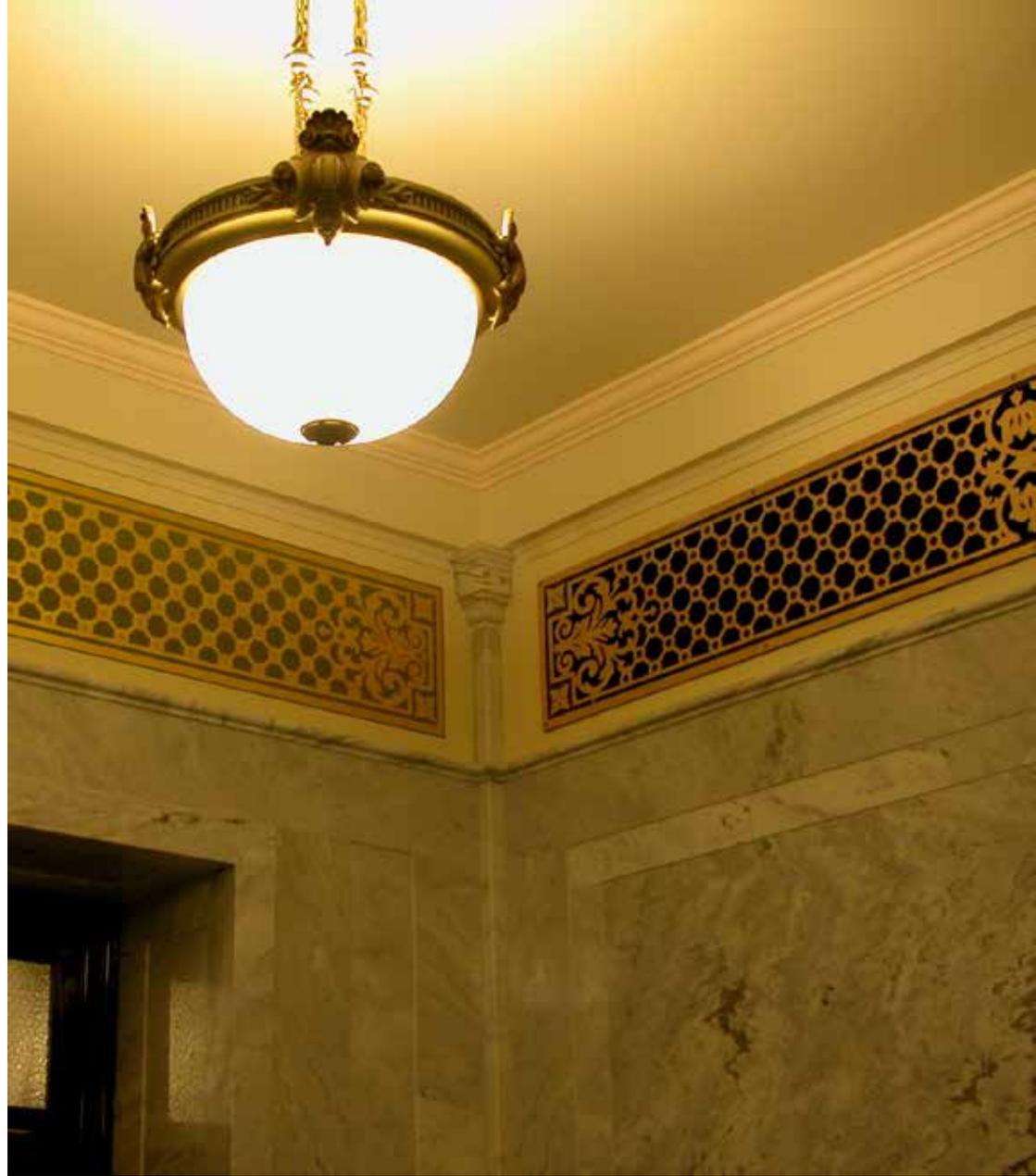


TYPE SH24

UPPER FLOORS – ROTUNDA

HVAC:

- Sensitively integrate new grilles
- Restore historic grilles, reuse when possible



Communications / Press Connections:

- To be discussed further in future
Design Development Meeting

