



NORTH STAIRS



SOUTH STAIRS

RFB# 930500-01 - 9305 DAS CC Capitol North and South Stairs Repair

1007 E GRAND AVENUE, DES MOINES, IA 50319

ARCHITECTURAL DRAWINGS

SHEET NUMBER	SHEET NAME
A000	SITE ACCESS & GENERAL DRAWING INFORMATION
AD100	DEMOLITION FLOOR PLANS - NORTH & SOUTH STAIRS
A100	FLOOR PLANS - NORTH & SOUTH STAIRS
A300	SECTION - NORTH AND SOUTH STAIRS
A400	SIDEWALK LIGHT DETAILS & INTERIOR WORK

BID ALTERNATE 1:

INSTALL NEW BRONZE BASE SHOES AT NORTH STAIRS OUT OF SCOPE AREA
SEE SHEET A100 F13

BID ALTERNATE 2:

REPLACE GRANITE TREADS THAT HAVE EXISTING PLUGS WITH NEW GRANITE TREAD
SEE SHEET A100 F13

BID ALTERNATE 3:

CLEAN AND PAINT STEEL POST WITH HPC-1
SEE SHEET A100 F13 AND AD100 K13



100 Court Ave, Suite 100, Des Moines, IA 50309
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LICENSED PROFESSIONAL ARCHITECT

★

★

IOWA

Richard S. Seely, AIA

2981

I hereby certify these plans and specifications were prepared by me or under my direct personal supervision and that I am a duly licensed professional architect under the laws of the state of Iowa.

Signature: _____

Name: Richard S. Seely, AIA

Iowa Registration No: 2981 Renewal Date: 06/30/2025

Sheets covered by this seal: Listed As "Architectural"

LICENSED PROFESSIONAL ENGINEER

★

★

IOWA

John Rhodes

922600

I hereby certify this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed professional engineer under the laws of the state of Iowa.

Signature: _____

Name: John Rhodes

Iowa Registration No: 922600 Renewal Date: 12/31/2024

Sheets covered by this seal: Listed As "Structural"

ARCHITECT

OPN ARCHITECTS
100 COURT AVENUE
DES MOINES, IA 50309

CONSTRUCTION MANAGER

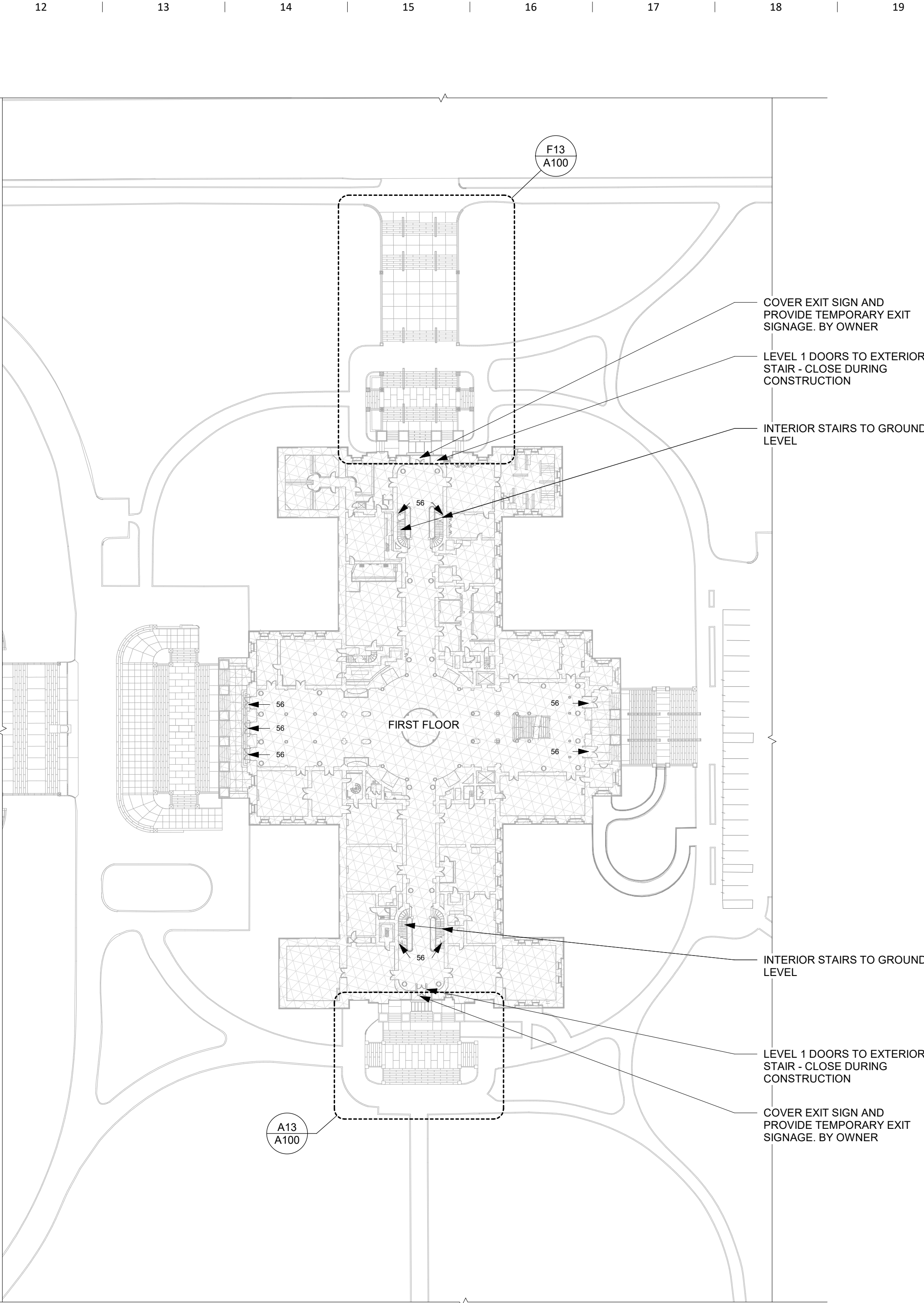
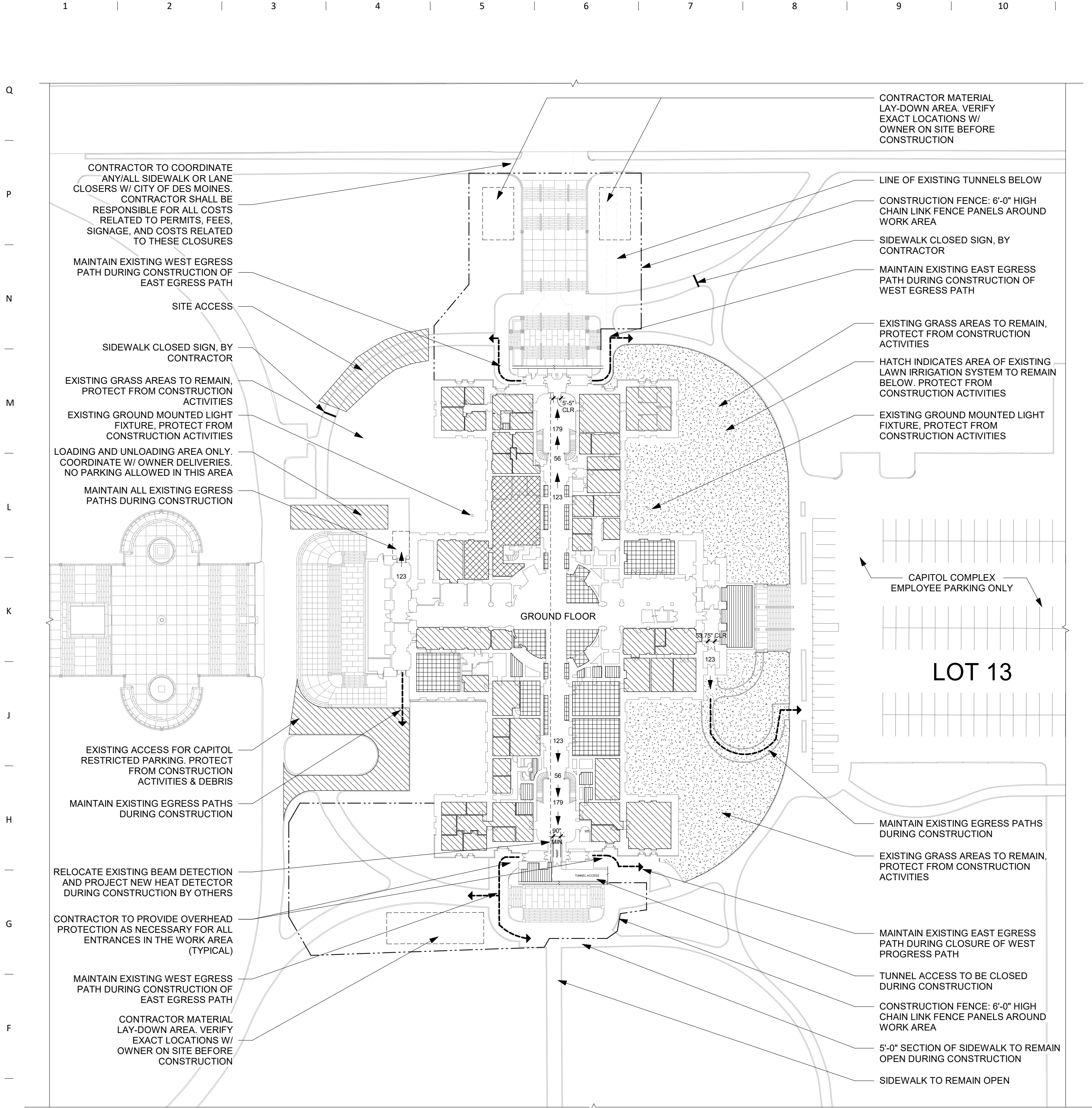
THE SAMUELS GROUP
2929 WESTOWN PARKWAY SUITE 200
WEST DES MOINES, IA 50266

STRUCTURAL ENGINEER

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CIVIL ENGINEER

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2727 SW SNYDER BOULEVARD, PO BOX 1159
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STANDARD ABBREVIATIONS

#	NUMBER
ACM	ALUMINUM COMPOSITE METAL PANEL
ACP	ACOUSTICAL CEILING PANEL
AFF	ABOVE FINISH FLOOR
AWP	ACOUSTIC WALL PANEL
BAS	BUILDING AUTOMATION SYSTEM
BC	BOTTOM OF CURB
BM	BENCH MARK
BOC	BACK OF CURB
BOS	BOTTOM OF STEEL
BOW	BOTTOM OF WALL
BR	BUMPER GUARD/BUMPER RAIL
BRG	BEARING
BS	BOTTOM OF STAIR
C	CHANNEL
CC	CUBICLE CURTAIN
CCFI	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CG	CORNER GUARD
CIP	CAST-IN-PLACE
CL	CONTROL JOINT
CK	CORK FLOORING
CL	CENTER LINE
CLG	CEILING
CLL	CONSTRUCTION LIMITS LINE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
CONC	CONCRETE
CONT	CONTINUOUS
OPT	CARPET
CRK	CORK
DEMO	DEMOLISH / DEMOLITION
DF	DRINKING FOUNTAIN
DIA	DIAMETER
DN	DOWN
DS	DOWNSPOUT
EC	ELECTRICAL CONTRACTOR
EIFS	EXTERIOR INSULATION FINISH SYSTEM
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION
EPF	EPOXY FLOORING
EPT	EPOXY PAINT
EQ	EQUAL
EWC	ELECTRIC WATER COOLER
EX	EXISTING
FAF	FLUID APPLIED FLOORING
FD	FLOOR DRAIN
FF	FACTORY FINISH
FFE	FINISHED FLOOR ELEVATION
FOC	FACE OF CURB
FOF	FACE OF FINISH
FOG	FACE OF GLAZING
FRP	FIBER REINFORCED PANEL
GA	GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GHM	GALVANIZED HOLLOW METAL
GL	GLASS
GT	GROUT
GWB	GYPSON WALL BOARD
GYP	GYPSON
HORZ	HORIZONTAL
HM	HOLLOW METAL
HT	HEIGHT
HVAC	HEATING/VENTING/AIR CONDITIONING
ID	INSIDE DIAMETER
L	ANGLE
LB/LBS	POUND / POUNDS
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MB	MARKERBOARD
MC	MECHANICAL CONTRACTOR
MDF	MEDIUM DENSITY FIBERBOARD
MFR	MANUFACTURERS
MH	MANHOLE
MIL	MIL THICKNESS
MIN	MINIMUM
MO	MASONRY OPENING
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OA	OVERALL
OD	OUTSIDE DIAMETER
OFCI	OWNER FURNISHED CONTRACTOR
OFOI	OWNER FURNISHED OWNER
OH	OVERHEAD
ORD	OVERFLOW ROOF DRAIN
OTS	OPEN TO STRUCTURE
PCT	PORCELAIN CERAMIC TILE
PL	PLATE
PLAM	PLASTIC LAMINATE
PP	POLYMER PANEL
PVC	POLY VINYL CHLORIDE
PT	PAINT
QT	QUARTZ
RAD	RADIUS
RAF	RESILIENT ATHLETIC FLOORING
RB	RESILIENT BASE
RD	ROOF DRAIN
RES	RESIN
REV	REVISION
RO	ROUGH OPENING
ROW	RIGHT-OF-WAY
RSF	RESILIENT SHEET FLOORING
RST	RESILIENT STAIR TREAD
RTF	RESILIENT TILE FLOORING
RUB	RUBBER
SC	SEALED CONCRETE
SF	SQUARE FEET
SIM	SIMILAR
SS	SOLID SURFACE
STN	STONE
ST STL	STAINLESS STEEL
SUSP	SUSPENDED
T	TILE
T&G	TONGUE AND GROOVE
TG	TEMPERED GLASS
TOC	TOP OF CURB
TOM	TOP OF MASONRY
TOS	TOP OF SLAB / TOP OF STEEL
TOW	TOP OF WALL
TP	TOILET PARTITION
TPF	TACKABLE PANEL FABRIC
TRZ	TERRAZZO
TS	TOP OF STAIR
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES, INC.
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
WB	WALL BASE
WC	WALL COVERING
WTH	WITHOUT
WO	WOOD
WGH	WALLGUARD HANDRAIL
WM	WALK-OFF MAT
WP	WALL PROTECTION



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Owner

RF#H 930500-01
1007 E GRAND AVENUE
DES MOINES, IA 50319

Project

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Construction Manager

THE SAMUELS GROUP
2929 WESTOWN PARKWAY, SUITE 200
WEST DES MOINES, IA 50266

Structural Engineer

RAKER RHODES ENGINEERING
4717 GRAND AVENUE
DES MOINES, IA 50309

Civil Engineer

SNYDER & ASSOCIATES
2727 SW SNYDER BLVD, PO BOX 1159
ANKENY, IA 50023

Key Plan

Revision Description Date

OCCUPANT LOAD CALCULATIONS:

GROUND FLOOR PLAN	AREA	O.L.F	OCCUPANTS	KEY
Accessory Storage Areas	1,879 SF	300	6.26	
Assembly (without fixed seats) -Unconcentrated (tables & chairs)	5,471 SF	15	364.73	
Business Areas	15,804 SF	150	105.36	
Kitchens, commercial	2,470 SF	200	12.35	
TOTAL OCCUPANTS			488.7	

LEVEL G OCCUPANT LOAD :
489 OCCUPANTS

EXIT CAPACITY: (0.15" PER OCCUPANT)

NORTH	65"	433 CAPACITY
EAST	70"	467 CAPACITY
SOUTH	116"	773 CAPACITY
WEST	60"	400 CAPACITY
TOTAL:	311"	2,073 CAPACITY

PLANNED ACTUAL CAPACITY AT GROUND SOUTH EXIT:
489/4 = 123 OCCUPANTS

DURING NORMAL OPERATION

ACTUAL CAPACITY AT GROUND SOUTH = 123 (18.45")
PROVIDED CAPACITY AT GROUND SOUTH = 773 (116")

DURING CONSTRUCTION

ACTUAL CAPACITY FOR ONE SIDE OF GROUND SOUTH EXITS
= 123 + 62 = 185 OCCUPANTS (27.75")
PROVIDED CAPACITY FOR ONE SIDE OF GROUND SOUTH EXITS
= 240 OCCUPANTS (36")

FIRST FLOOR OCCUPANT LOAD (B) 100 GROSS:
46,431= 485 OCCUPANTS

EXIT CAPACITY DOOR: (0.15" PER OCCUPANT)

NORTH	72"	380 CAPACITY
EAST	144"	960 CAPACITY
SOUTH	72"	380 CAPACITY
WEST	216"	1440 CAPACITY
TOTAL:	504"	3,160 CAPACITY

PLANNED ACTUAL CAPACITY AT FIRST FLOOR SOUTH & NORTH EXIT:
380/3,160 = 12.0% = 56 OCCUPANTS

DURING NORMAL OPERATION

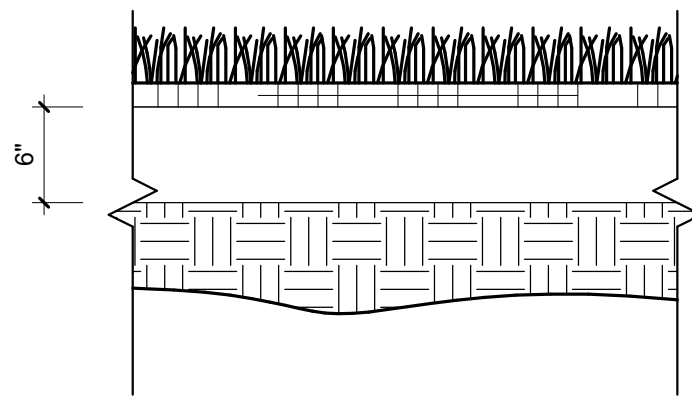
ACTUAL CAPACITY AT FIRST SOUTH DOORS = 39.7"
PROVIDED CAPACITY AT FIRST SOUTH DOORS = 72"

DURING CONSTRUCTION

ACTUAL CAPACITY AT FIRST FLOOR STAIRS TO GROUND
= 56 OCCUPANTS (16.8")
PROVIDED CAPACITY AT FIRST FLOOR STAIRS TO GROUND
= 480 OCCUPANTS (96")

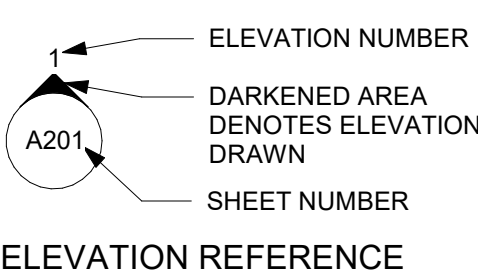
NOTES:

- REMOVE ANY EXISTING VEGETATION WITHIN PLANTING AREA PRIOR TO PREPARATION ACTIVITIES
- ALL SOILS EXPOSED TO CONSTRUCTION ACTIVITY SHALL BE INSPECTED BY ARCHITECT OR LANDSCAPE ARCHITECT ONCE CONTRACTOR HAS CLEANED AND DE-COMPACTED THE SOILS, BUT BEFORE TOPSOIL AND COMPOST ARE SPREAD.
- PLACE TOPSOIL
- TOP DRESS ALL LAWN AREAS WITH 1/2" COMPOST
- TILL EXISTING OR PLACED SOIL TOPSOIL AND COMPOST TOGETHER TO A TOTAL DEPTH OF 6"
- RAKE AND SMOOTH SOIL TO FINISH GRADE REMOVING ROCKS, ROOTS, CLUMPS, AND ALL OTHER DEBRIS
- LIGHTLY ROLL SOIL
- SPREAD STARTER FERTILIZER
- LAY SOD OR SPREAD SEED
- LIGHTLY ROLL SODDED AREAS TO INCREASE SOIL TO SOD CONTACT
- LIGHTLY RAKE LAWN SEED INTO SOIL
- WATER AREA IMMEDIATELY AND THOROUGHLY
- CONTRACTOR SHALL PROVIDE ALL SIGNS FOR STREET CLOSURE, SIDEWALK CLOSURE, ETC
- CONTRACTORS TO USE PUBLIC STREET PARKING

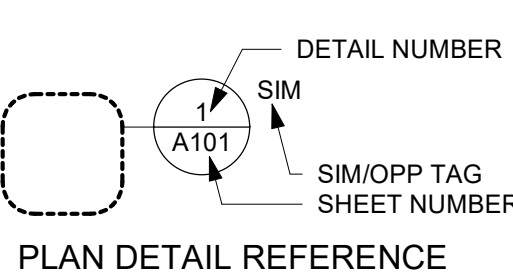


B11 SECTION DETAIL - LAWN REPLACEMENT
1" = 1'-0"

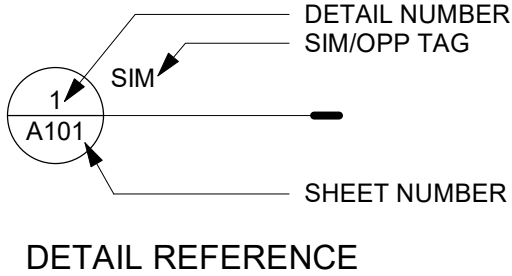
STANDARD SYMBOLS



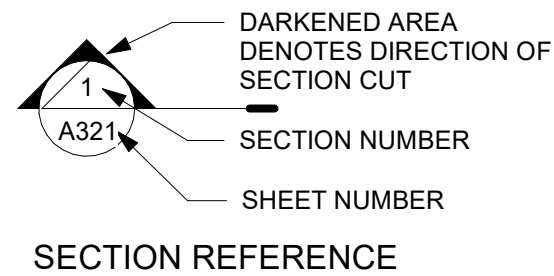
ELEVATION REFERENCE



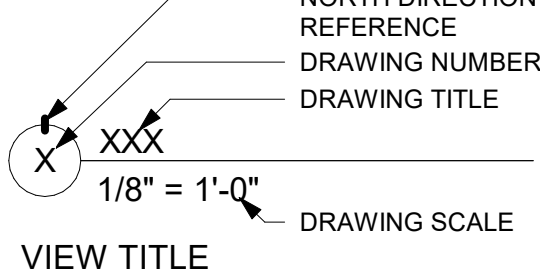
PLAN DETAIL REFERENCE



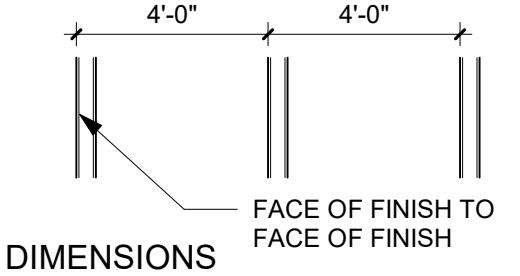
DETAIL REFERENCE



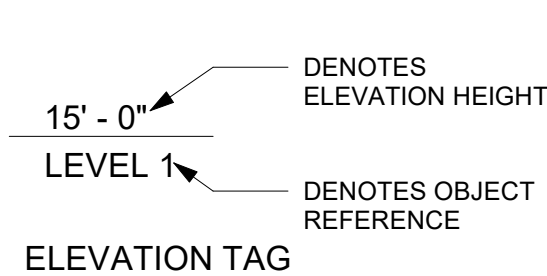
SECTION REFERENCE



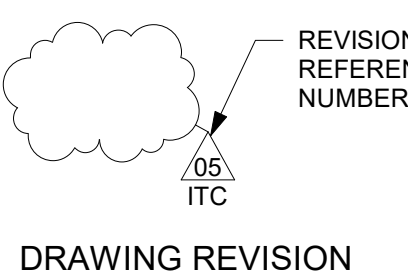
VIEW TITLE



DIMENSIONS



ELEVATION TAG



DRAWING REVISION

PRELIMINARY. NOT FOR CONSTRUCTION.






Sheet Number

**SITE ACCESS & GENERAL
DRAWING INFORMATION**




Sheet Number

A000

LEGEND

INSTALL NEW GRANITE = 
REINSTALL GRANITE = 
ALTERNATE 2:
INSTALL NEW GRANITE = 
EXISTING PLUGS = 
BASE SHOES = 

LEGEND

INSTALL NEW GRANITE = 
REINSTALL GRANITE = 
BASE SHOES = 

EXISTING SIDEWALK LIGHT, SEE ENLARGED PLAN FOR NEW WORK
REINSTALL EXISTING GRANITE LANDINGS AND NEW SEALANT
REINSTALL EXISTING BRONZE POSTS. INSTALL NEW BRONZE BASE SHOES
INSTALL NEW GRANITE LANDING AND NEW SEALANT
NEW SEALANT JOINTS AT TREADS AND LANDINGS, TYP.
EXISTING BALUSTRADE NOT IN SCOPE. PROTECT AS REQ'D. TYP.
NEW CONCRETE PAVEMENT

EXISTING CONCRETE SIDEWALK NOT IN SCOPE U.N.O. PROTECT AS REQ'D. TYP.

EXISTING CONCRETE SIDEWALK NOT IN SCOPE. PROTECT AS REQ'D. TYP.

REINSTALL EXISTING BRONZE HANDRAIL. INSTALL NEW BRONZE BASE SHOES

NEW SEALANT JOINTS AT TREADS AND LANDINGS, TYP.

ALTERNATE 2: REPLACE GRANITE TREADS THAT HAVE EXISTING PLUGS WITH NEW GRANITE TREAD

INSTALL NEW GRANITE DUTCHMEN AT EXISTING PLUG LOCATIONS

CLEAN AND POLISH ALL GRANITE TREADS AND LANDINGS, TYP.

REINSTALL EXISTING BRONZE HANDRAIL. INSTALL NEW BRONZE BASE SHOES

NEW CONCRETE PAVEMENT

ALTERNATE 1: INSTALL NEW BRONZE BASE SHOES IN OUT OF SCOPE AREA

INSTALL NEW GRANITE DUTCHMEN (2) LOCATIONS

ALTERNATE 3 CLEAN AND PAINT STEELL POST WITH HPC-1

REINSTALL EXISTING GRANITE TREADS AND NEW SEALANT

NEW CONCRETE PAVEMENT

INSTALL NEW GRANITE TREADS AND NEW SEALANT

REINSTALL EXISTING GRANITE TREADS AND NEW SEALANT

EXISTING GRANITE CHEEK WALL NOT IN SCOPE. PROTECT AS REQ'D. TYP.

LINE OF TUNNEL BELOW

EXISTING CONCRETE LANDING NOT IN SCOPE. PROTECT AS REQ'D. TYP.

REINSTALL EXISTING GRANITE TREADS AND NEW SEALANT

REINSTALL EXISTING GRANITE TREADS AND NEW SEALANT

EXISTING GRANITE LANDING AND TREADS TO REMAIN, PROTECT AS REQ'D

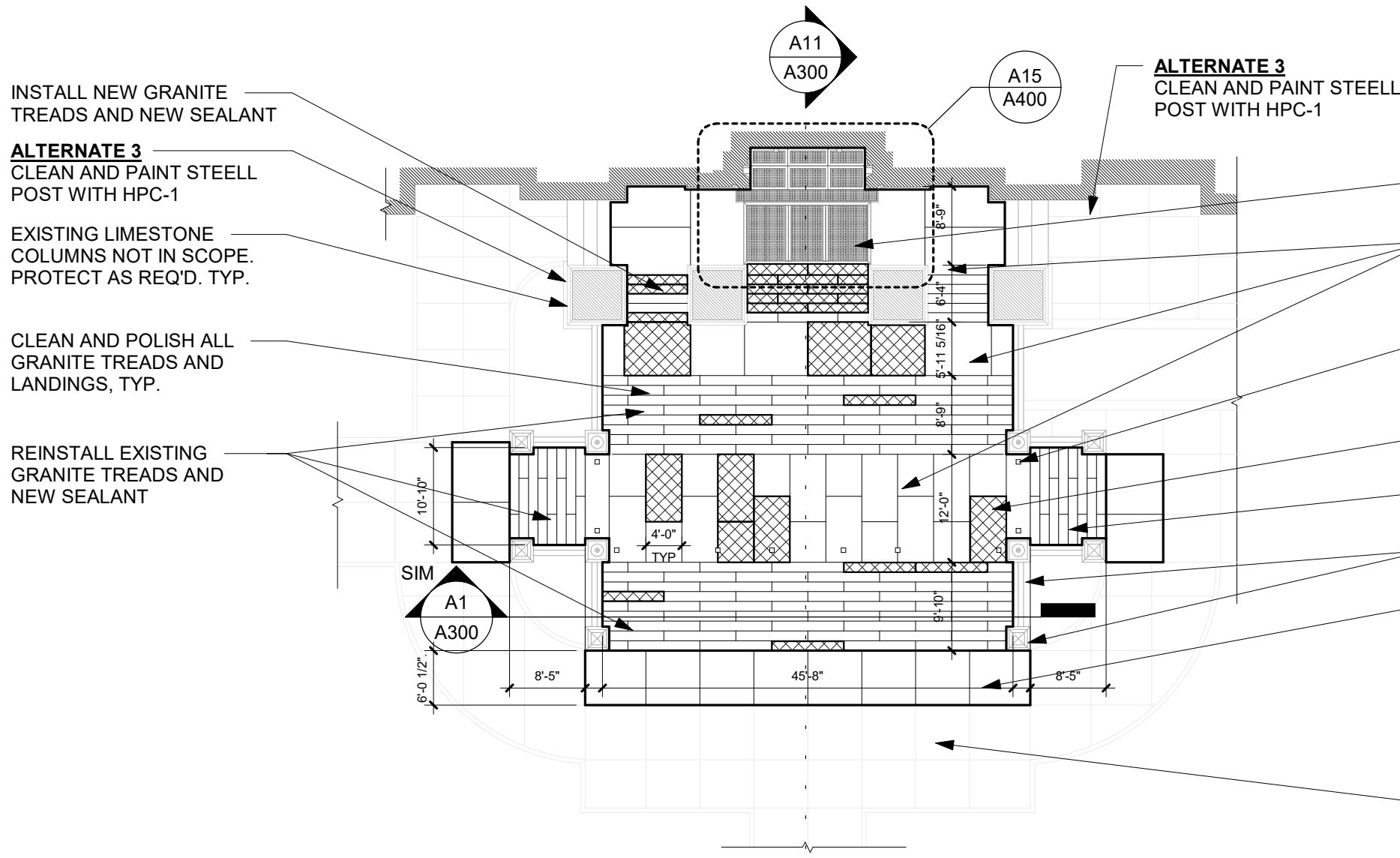
ALTERNATE 3 CLEAN AND PAINT STEELL POST WITH HPC-1

EXISTING BUILDING, PROTECT AS REQ'D

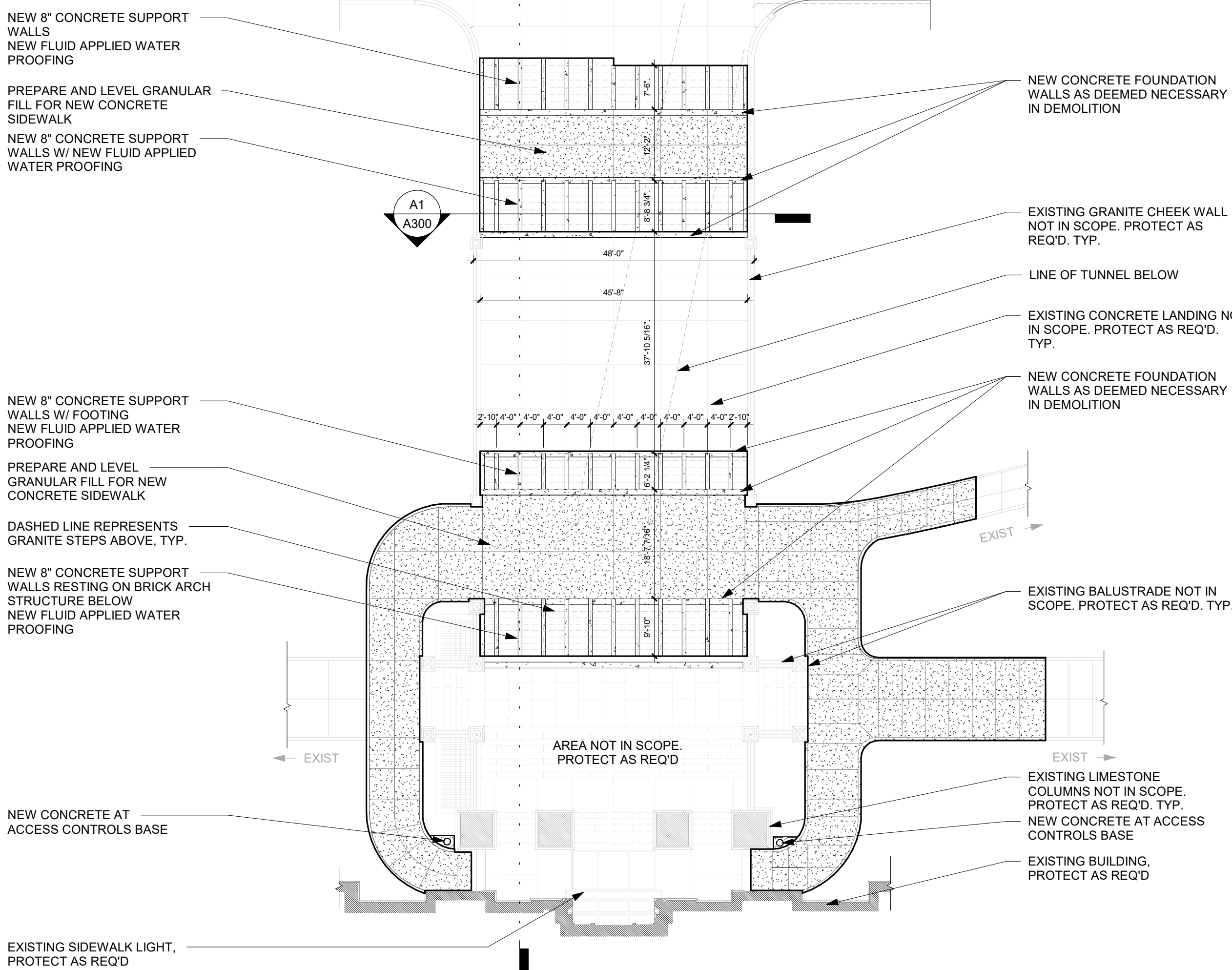
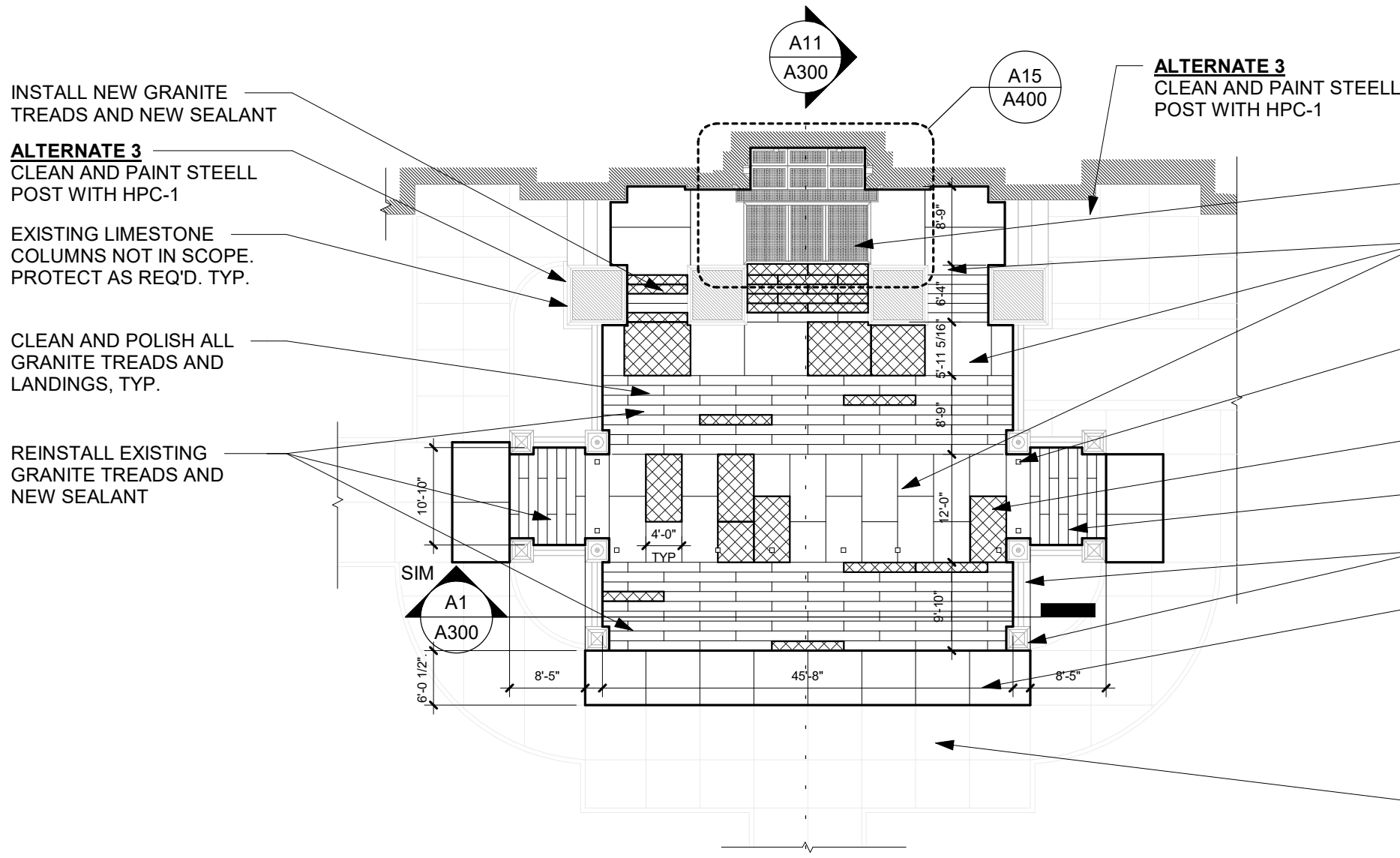
EXISTING SIDEWALK LIGHT, PROTECT AS REQ'D

EXISTING GRANITE SLAB

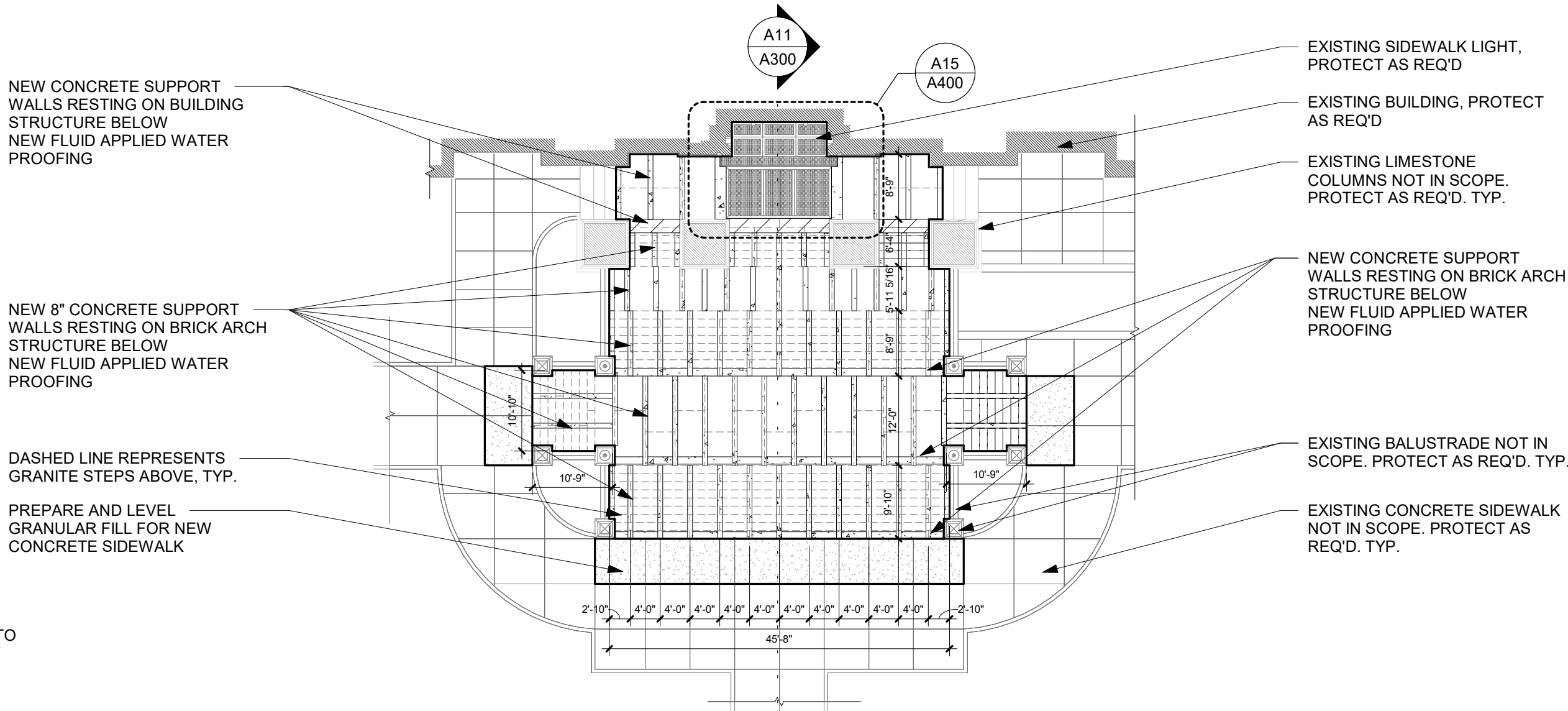
F13 ENLARGED PLAN - NORTH STAIR - NEW WORK
1/16" = 1'-0"



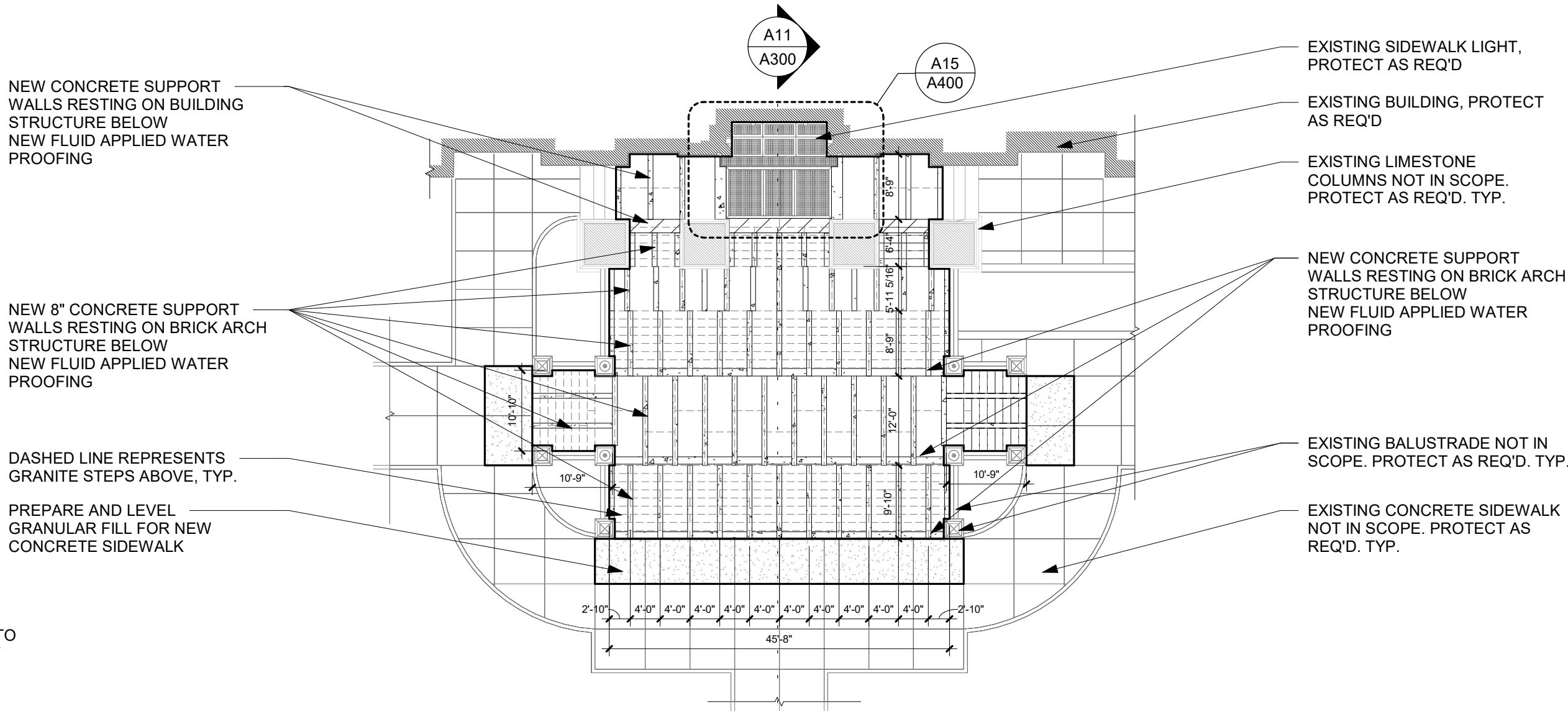
A13 ENLARGED PLAN - SOUTH STAIR - NEW WORK
1/16" = 1'-0"



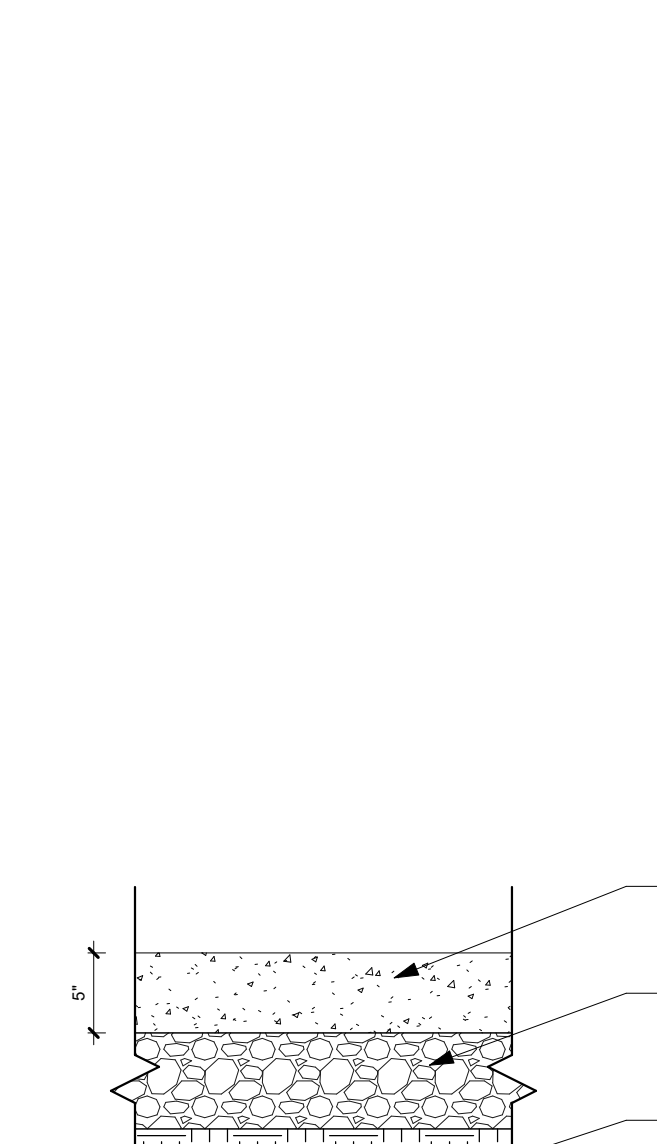
F4 ENLARGED PLAN - NORTH STAIR - STRUCTURAL
1/16" = 1'-0"



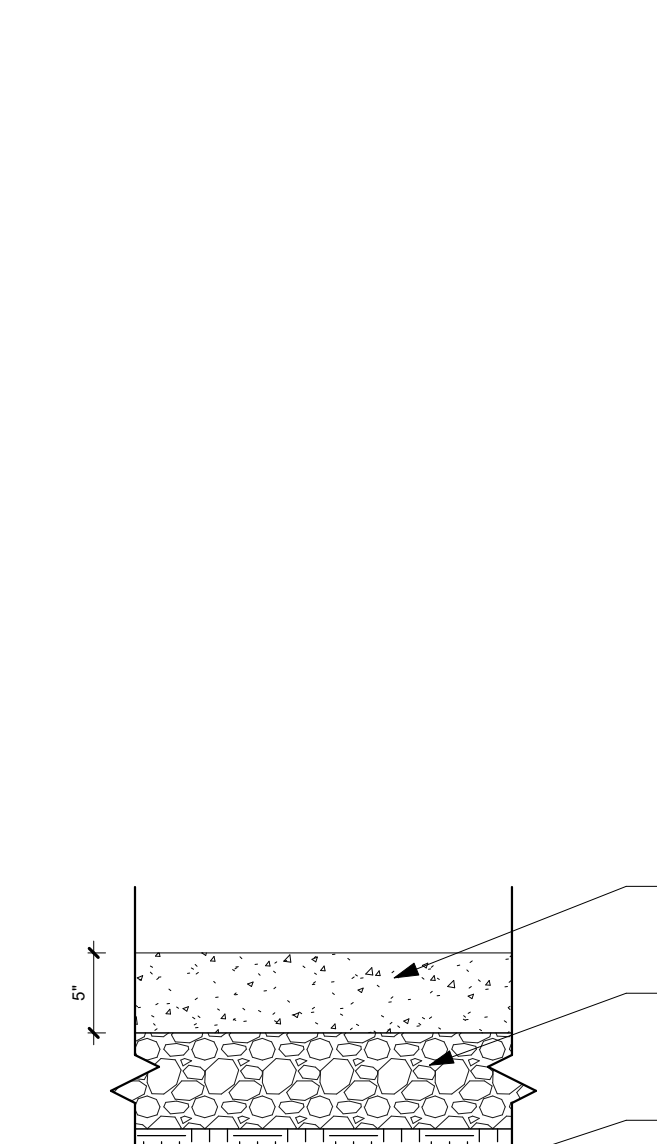
A4 ENLARGED PLAN - SOUTH STAIR - STRUCTURAL
1/16" = 1'-0"



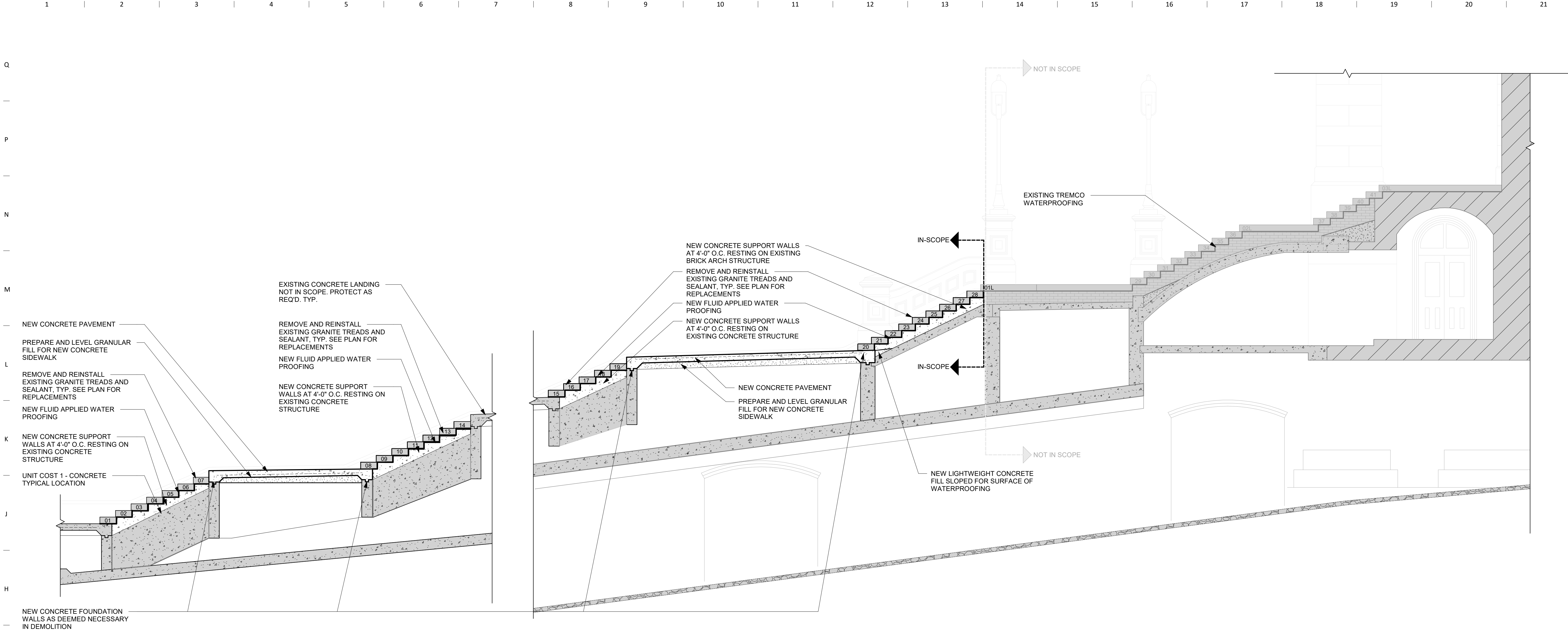
F1 EXISTING CONDITIONS - HANDRAIL
1" = 1'-0"



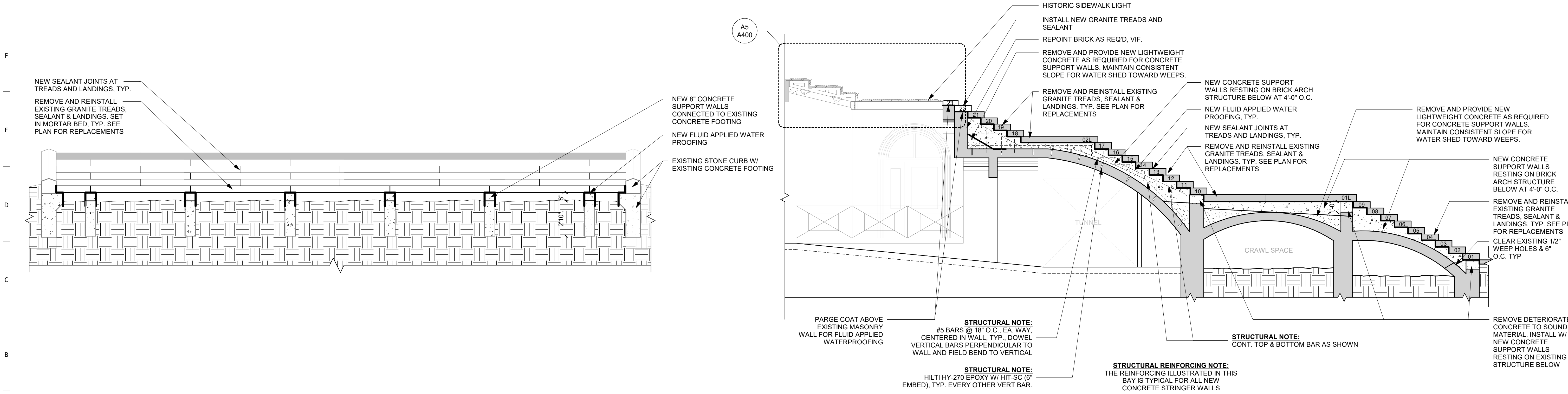
A1 SECTION DETAIL - NEW CONCRETE, TYPICAL
1" = 1'-0"



PRELIMINARY. NOT FOR CONSTRUCTION.



G1 SECTION - NORTH STAIRS
1/4" = 1'-0"



A1 SECTION - TYPICAL CROSS SECTION THROUGH FOUNDATION WALLS
1/4" = 1'-0"

A11 SECTION - SOUTH STAIRS
1/4" = 1'-0"

Revision	Description	Date
Revision 1		Date 1

Q

P

N

M

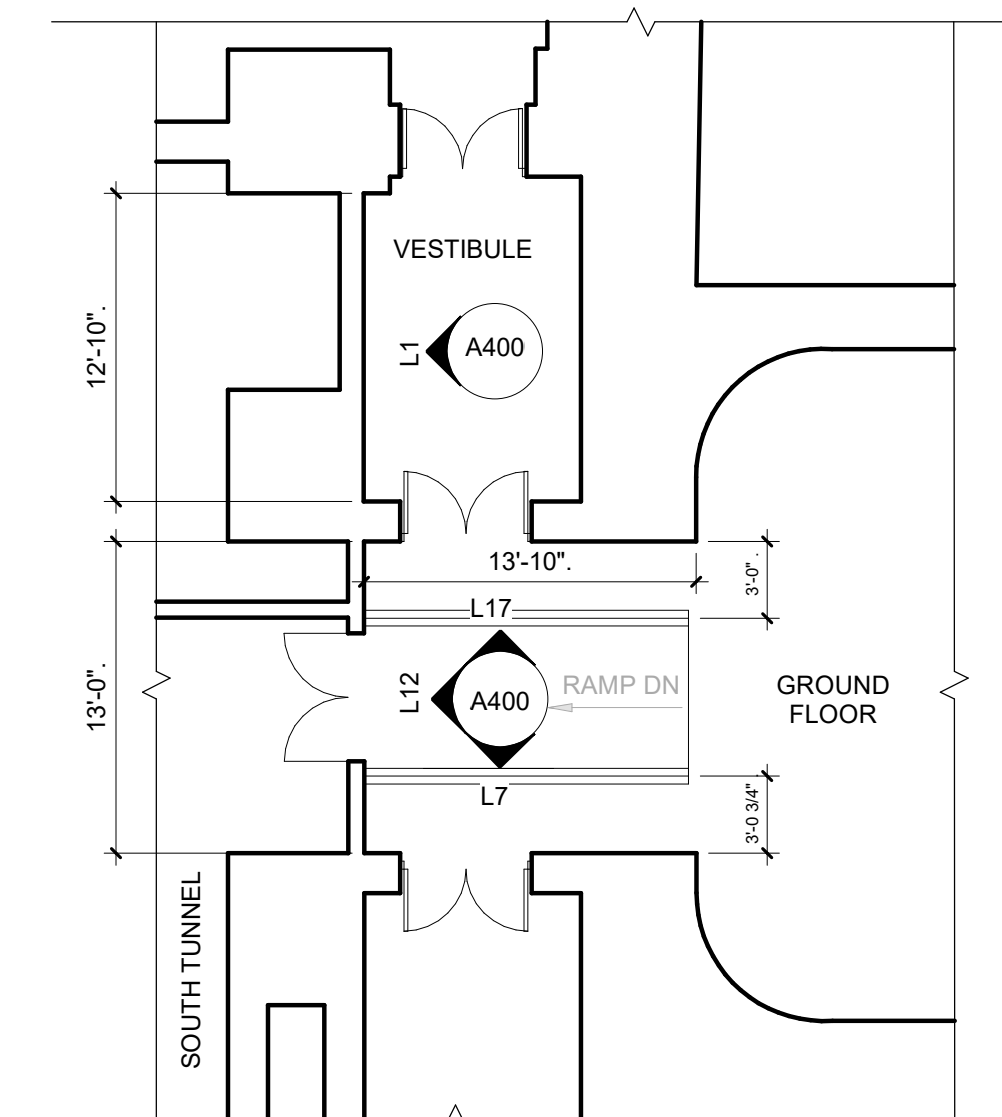
L

L1 PHOTO - INTERIOR ELEVATION - SOUTH VESTIBULE

L7 PHOTO - INTERIOR ELEVATION - EAST

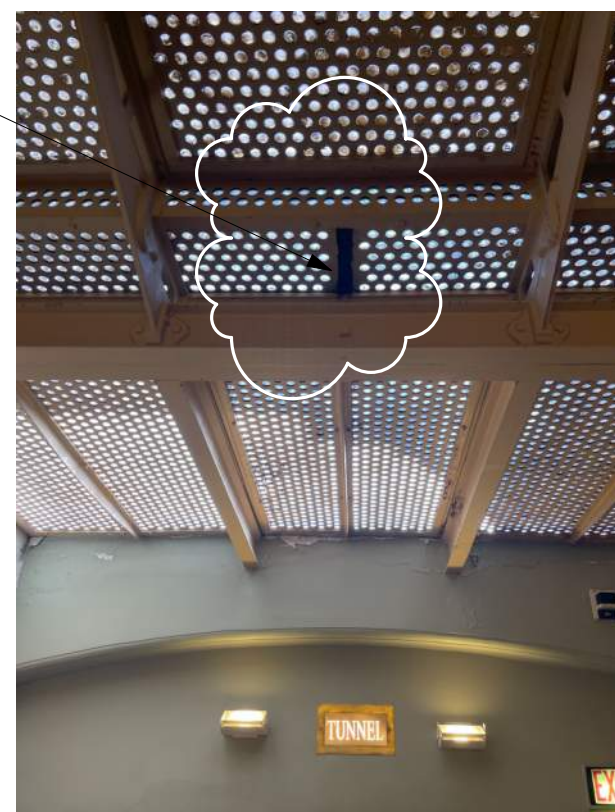
L12 PHOTO - INTERIOR ELEVATION - SOUTH

L17 PHOTO - INTERIOR ELEVATION - WEST

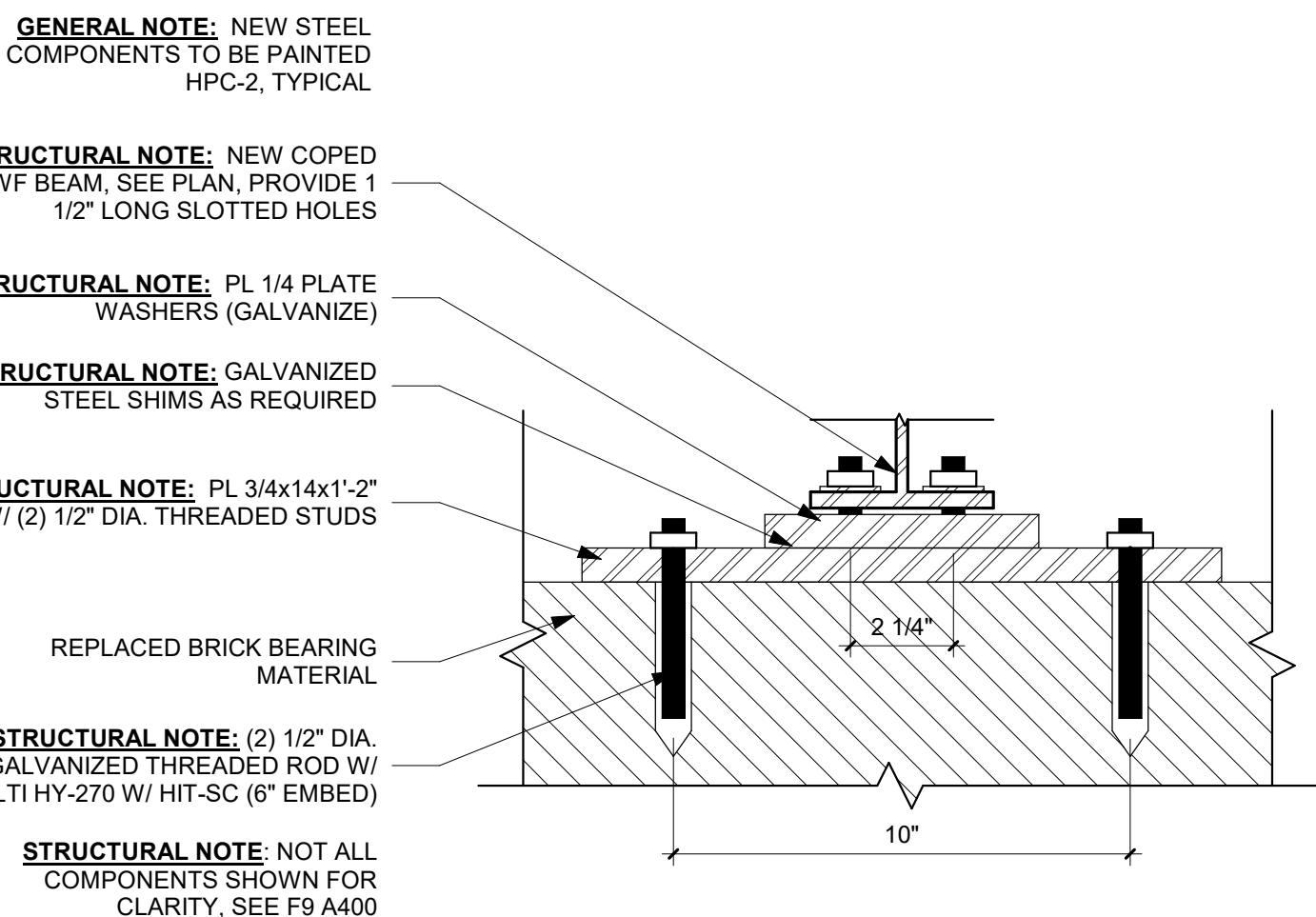


F1 ENLARGED PLAN - GROUND FLOOR ENTRANCE - SOUTH
1/8" = 1'-0"

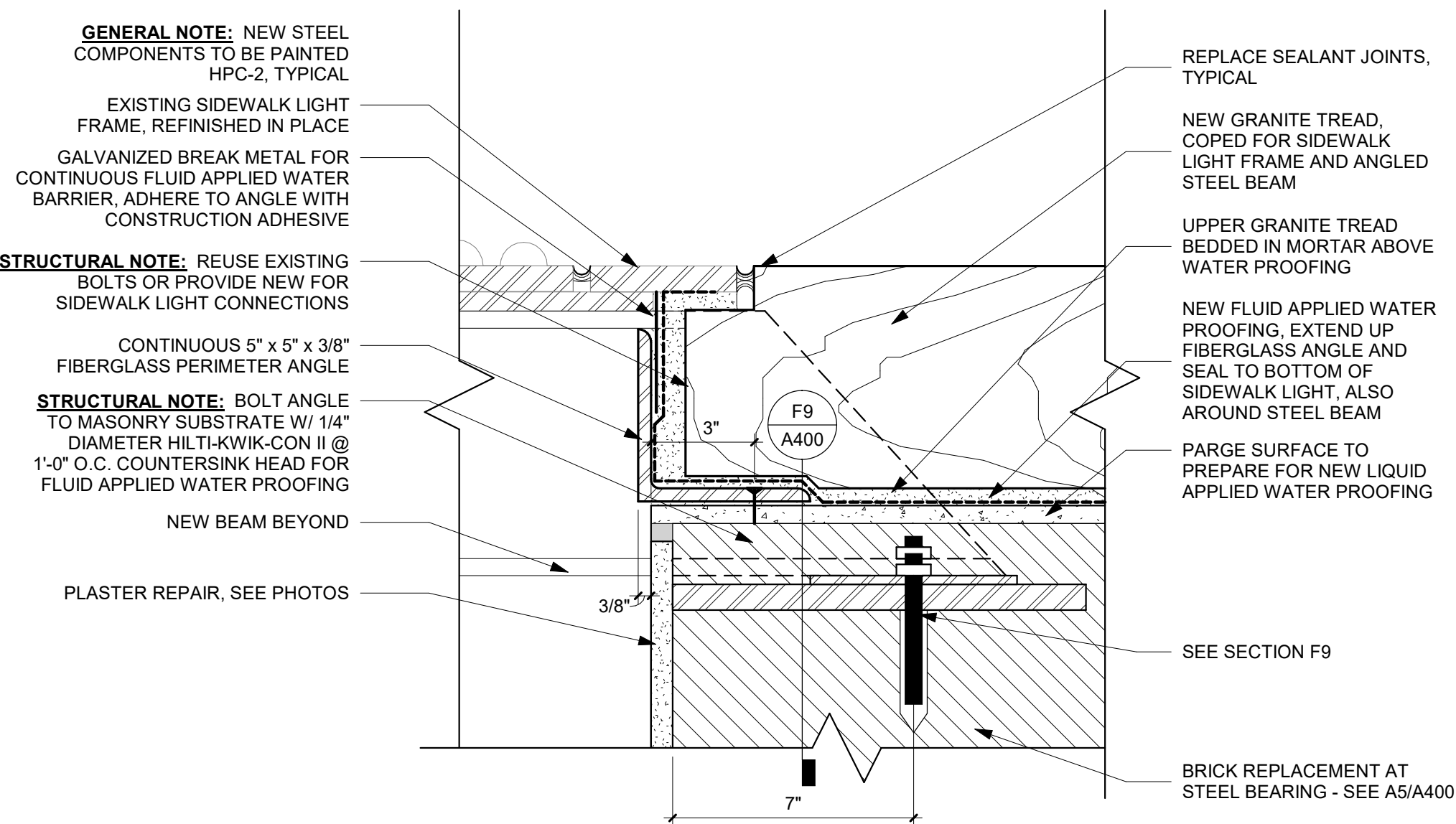
F7 SIDEWALK LIGHT - MISSING STEEL
1" = 1'-0"



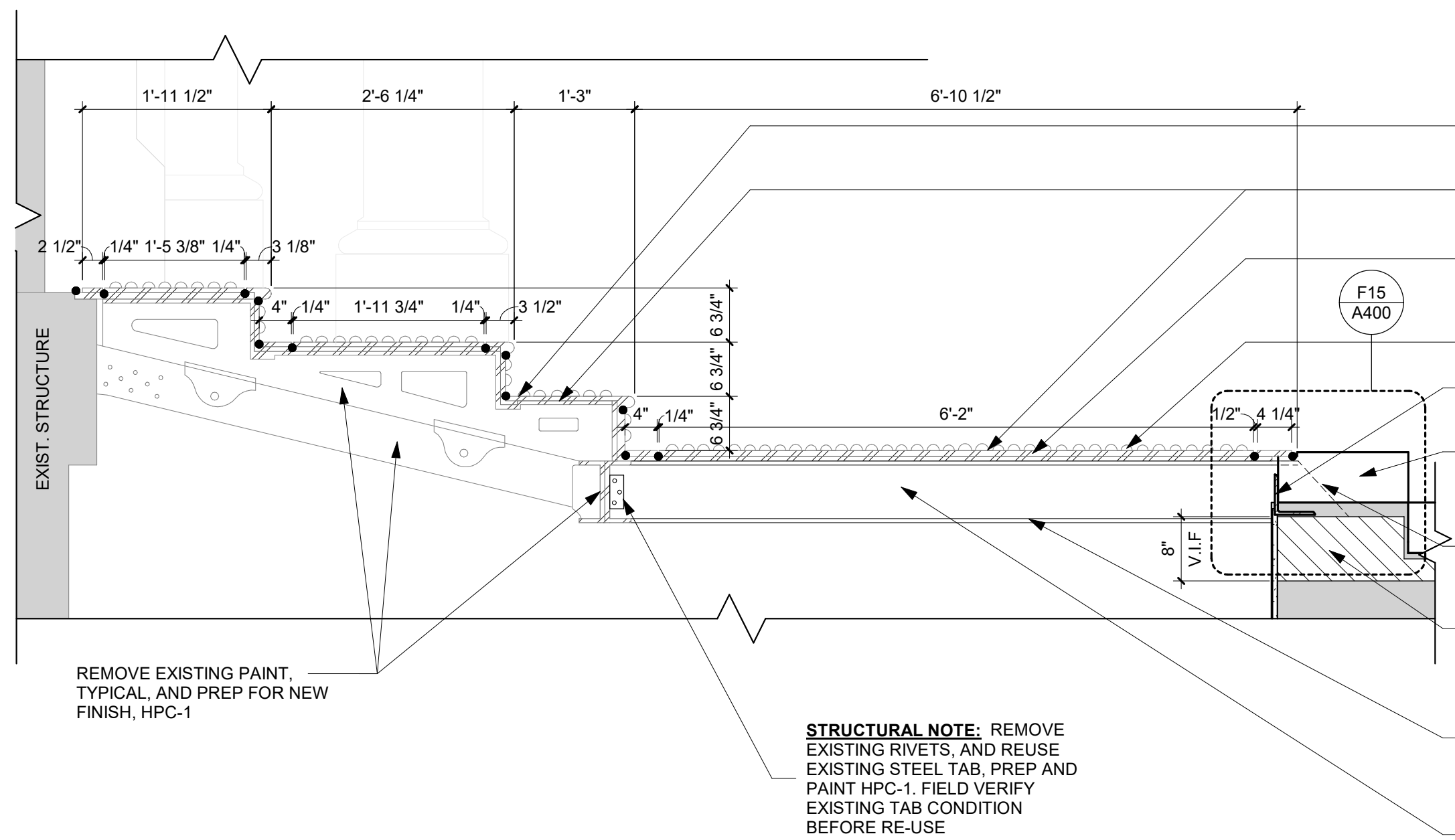
F9 DETAIL SECTION - BEARING PLATE CONNECTION TO NEW BEAM
3" = 1'-0"



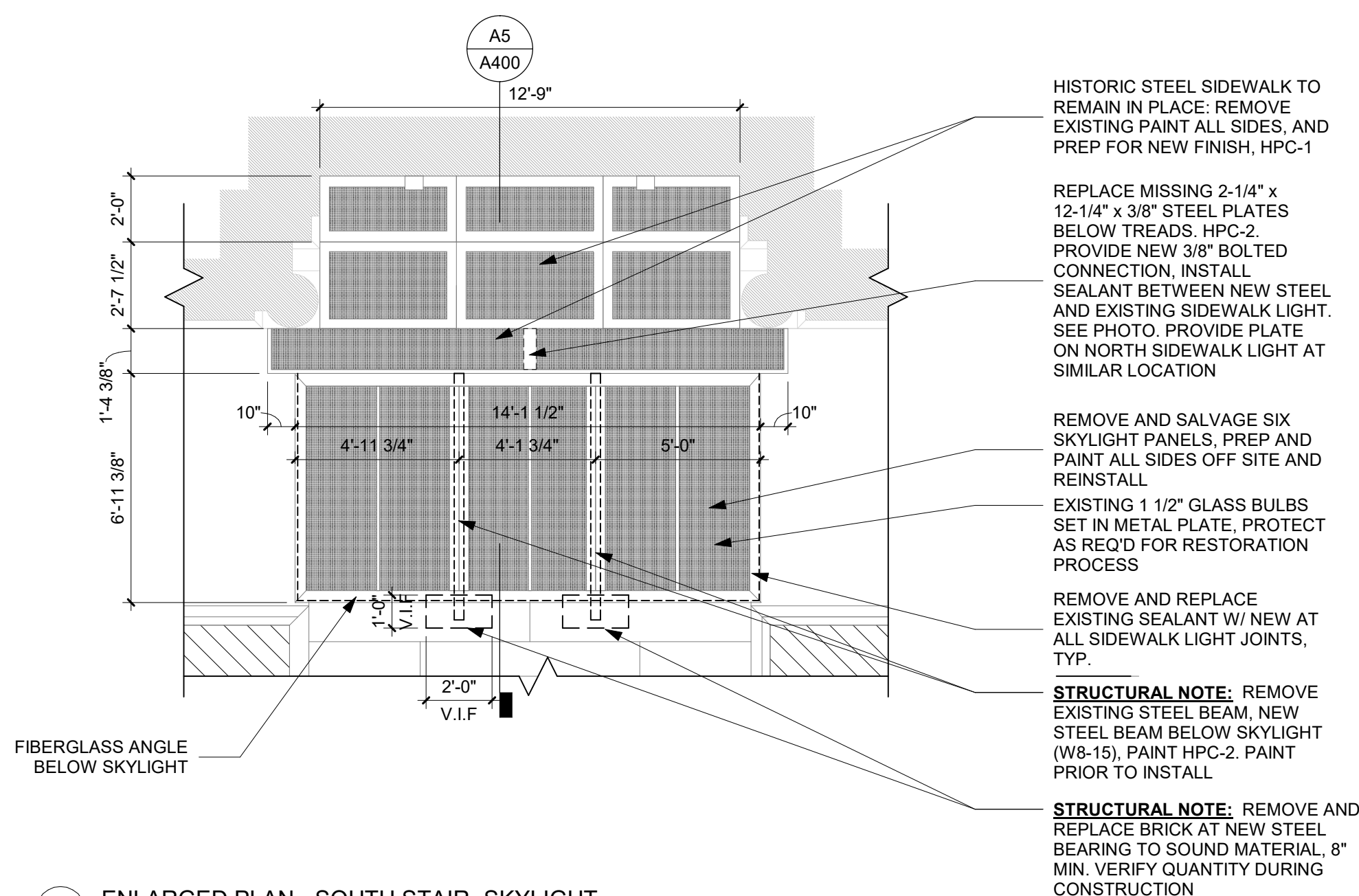
F15 DETAIL SECTION - WATERPROOFING CONNECTION AT SKYLIGHT
3" = 1'-0"



A5 SECTION - SOUTH STAIRS - SIDEWALK LIGHT
3/4" = 1'-0"



A15 ENLARGED PLAN - SOUTH STAIR - SKYLIGHT
1/4" = 1'-0"



PRELIMINARY. NOT FOR CONSTRUCTION.