

# GOUCHER

— college —

## GOLDSMITH INTERFAITH CENTER AT GOUCHER COLLEGE

1021 DULANEY VALLEY RD  
BALTIMORE MD 21204

50% CONSTRUCTION DOCUMENTS

APRIL 28, 2017

AYERS SAINT GROSS PROJECT NUMBER: 21641.00

#### ARCHITECT

AYERS SAINT GROSS  
1040 HULL STREET, SUITE 100  
BALTIMORE, MD 21230  
410.347.8500  
www.asg-architects.com

#### STRUCTURAL ENGINEER

MORABITO CONSULTANTS  
952 RIDGEBROOK ROAD, SUITE 1700  
SPARKS, MD 21152  
410.467.2377  
www.morabitoconsultants.com

#### LANDSCAPE ARCHITECT

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#### COMMISSIONING

KIBART  
901 DULANEY VALLEY ROAD, SUITE 301  
TOWSON, MD 21284  
410.494.1111  
www.kibart.com

#### M/E/P & FIRE PROTECTION ENGINEER

MUELLER ASSOCIATES  
1306 CONOURSE DRIVE, SUITE 100  
LINTHICUM, MD 21090  
410.646.4500  
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WBCM  
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#### IT / AV / SECURITY

SPEXSYS  
7257 PARKWAY DRIVE, SUITE 260  
HANOVER, MD 21076  
410.712.0390  
www.spexsys.com

#### CODE CONSULTANT

KOFFEL ASSOCIATES  
8815 CENTRE PARK DRIVE, SUITE 200  
COLUMBIA, MD 21045  
410.750.2246  
www.koffel.com



DRAWING LIST	
SHEET NUMBER	SHEET NAME
A0.00	COVER SHEET
C0.01	EXISTING CONDITIONS PLAN
C1.01	DEMOLITION PLAN
C2.01	SITE PLAN
C2.02	UTILITY PROFILES
C3.01	STORMWATER MANAGEMENT PLAN
C3.02	STORMWATER MANAGEMENT DETAILS
C4.01	EROSION AND SEDIMENT CONTROL PLAN
C4.02	EROSION AND SEDIMENT CONTROL NOTES
C4.03	EROSION AND SEDIMENT CONTROL DETAILS
L1.00	MATERIALS PLAN
L2.00	SECTIONS AND ELEVATIONS
L3.00	PLANTING PLAN
L4.00	DETAILS
L4.01	DETAILS

S1.00	FOUNDATION AND LOWER LEVEL PLAN
S1.01	GROUND LEVEL FRAMING PLAN
S1.02	LEVEL 2 FRAMING PLAN
S1.03	ROOF FRAMING PLAN
S2.01	FOUNDATION DETAILS AND GENERAL NOTES
S2.02	FOUNDATION DETAILS
S2.03	FOUNDATION DETAILS
S3.01	TYPICAL STEEL DETAILS
S3.02	TYPICAL WOOD FRAMING DETAILS
S3.03	TYPICAL WOOD FRAMING DETAILS
S3.04	FLOOR FRAMING DETAILS
S4.01	TYPICAL ROOF DETAILS
S4.02	ROOF DETAILS
S4.03	ROOF DETAILS
S5.01	LIST OF SPECIAL INSPECTIONS
A0.10	ABBREVIATIONS AND SYMBOLS
A0.20	CODE SUMMARY & EGRESS PLANS
A1.00	ARCHITECTURAL SITE PLAN
A1.10	SELECTIVE DEMOLITION PLANS
A2.00	FLOOR PLAN - LOWER LEVEL & LEVEL 1
A2.01	FLOOR PLAN - LEVEL 2 & ROOF
A2.11	ENLARGED PLANS - INTERFAITH CENTER LEVEL 2 & CHAPEL
A3.10	REFLECTED CEILING PLAN - LOWER LEVEL & LEVEL 1
A3.11	REFLECTED CEILING PLAN - LEVEL 2 & CHAPEL
A4.01	BUILDING ELEVATIONS
A4.10	BUILDING SECTIONS
A5.01	WALL SECTIONS
A5.02	WALL SECTIONS
A5.11	EXTERIOR ASSEMBLIES
A6.00	STAIR AND ELEVATOR PLANS & SECTIONS
A7.00	INTERIOR ELEVATIONS
A7.01	INTERIOR ELEVATIONS
A7.10	INTERIOR DETAILS
A8.00	FINISH FLOOR PLANS
A9.11	STOREFRONT DETAILS
A9.20	PARTITION TYPES
A9.30	FINISH SCHEDULE

M0.10	LEGEND
M2.01	FLOOR PLAN - LOWER LEVEL - HVAC
M2.02	FLOOR PLAN - GROUND LEVEL - HVAC
M2.03	FLOOR PLAN - LEVEL 2 - HVAC
M3.01	MECHANICAL ROOM PART PLAN - LOWER LEVEL - HVAC
M4.01	SCHEMATICS
M5.01	DETAILS
M5.02	DETAILS
M5.03	DETAILS
M6.01	SCHEDULES

P2.00	FLOOR PLAN - FOUNDATION PLUMBING
P2.01	FLOOR PLAN - LOWER LEVEL - PLUMBING
P2.02	FLOOR PLANS - GROUND LEVEL - PLUMBING
P2.03	FLOOR PLANS - LEVEL 2 - PLUMBING
P5.01	DETAILS
P6.01	SCHEDULES

E0.01	ELECTRICAL LEGEND
E2.01	FLOOR PLANS - LOWER LEVEL - ELECTRICAL
E2.02	FLOOR PLANS - GROUND LEVEL - ELECTRICAL
E2.03	FLOOR PLANS - LEVEL 2 - ELECTRICAL
E5.01	DETAILS
E6.01	ONE LINE DIAGRAM & SCHEDULES

T0.10	TECHNOLOGY SYSTEMS NOTES, SYMBOLS, AND ABBREVIATIONS
T2.00	TECHNOLOGY SYSTEMS FLOOR PLAN - LOWER LEVEL
T2.01	TECHNOLOGY SYSTEMS FLOOR PLAN - LEVEL 1
T2.02	TECHNOLOGY SYSTEMS FLOOR PLAN - LEVEL 2
T3.00	TECHNOLOGY SYSTEMS REFLECTED CEILING PLAN - LOWER LEVEL
T3.01	TECHNOLOGY SYSTEMS REFLECTED CEILING PLAN - LEVEL 1
T3.02	TECHNOLOGY SYSTEMS REFLECTED CEILING PLAN - LEVEL 2
T4.00	TECHNOLOGY SYSTEMS - AV DETAILS
T4.01	TECHNOLOGY SYSTEMS - SECURITY DETAILS
T4.02	TECHNOLOGY SYSTEMS - TELECOM CABLING DETAILS

BY DEFINITION PROGRESS PRINTS ARE INCOMPLETE. EFFORTS HAVE BEEN MADE TO DESCRIBE SCOPE OF MATERIALS, FINISHES AND ASSEMBLIES FOR UNDERSTANDING INTENT OF FINISHED FACILITY. COORDINATION AND RESOLUTION OF INTERFACE BETWEEN VARIOUS SYSTEMS REMAIN TO BE FULLY EVALUATED AND RESOLVED. ANY USE OF THESE DOCUMENTS FOR PRICING OF A FINISHED PROJECT MUST MAKE ALLOWANCE FOR ADJUSTMENTS IN LOCATION, ALIGNMENT, REASONABLE QUANTITY ALTERATIONS, AND COMPLIANCE WITH MANUFACTURER WARRANTY REQUIREMENTS AND INSTALLATION REQUIREMENTS

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PROJECT TEAM

ARCHITECT  
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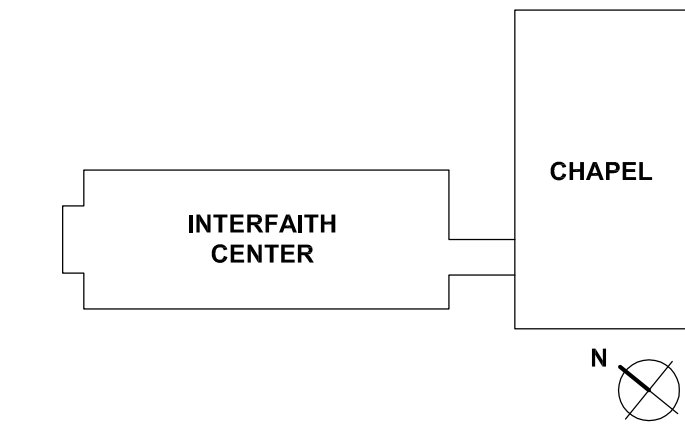
LANDSCAPE ARCHITECT  
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Table with 3 columns: REV.#, DESCRIPTION, DATE. Includes a KEY PLAN section below it.



ARCHITECTS + PLANNERS

NOT FOR CONSTRUCTION

DRAWING INFORMATION table with fields for ISSUE DATE, SCALE, JOB NO., and DRAWN BY.

PROJECT DESIGN PHASE  
50% CONSTRUCTION DOCUMENTS

DRAWING NAME  
EXISTING CONDITIONS PLAN

DRAWING NUMBER  
C001

LEGEND

- List of symbols and their corresponding utility types: BOLLARD/POST, BUSHES, CLEAN OUT, DRAIN INLET, ELECTRIC BOX, ELECTRIC CONDUIT, ELECTRIC MH, ELECTRIC RISER, FIRE HYDRANT, FIRE CONNECTION, FLAG POLE, FLOOR DRAIN, OBSERVATION WELL, GAS VALVE, HAND BOX, INLET MH, METAL POLE, PARKING METER, POWER POLE, PROPERTY MON., ROOF DRAIN, SANITARY MH, SIGN (ONE-POST), SIGN (TWO POST), STEAM MH, STORM DRAIN MH, STREET LIGHT, TELEPHONE MH, TELEPHONE RISER, TRAVERSE STATION, TREES, UNKNOWN MH, WATER MH, WATER FOUNTAIN, WATER VALVE, WELL, MAJOR CONTOUR, MINOR CONTOUR, WALL, BUILDING, CONC. CURB, CONC. PAD/WALK, METAL PLATE, SURVEY LIMITS, FENCE LINE, WOODS LINE, OH ELECTRIC, U/G ELECTRIC, U/G GAS, U/G SANITARY, U/G STEAM, U/G STORM, U/G WATER.

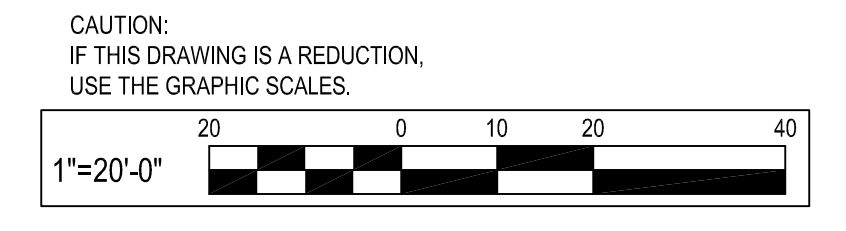
GENERAL NOTES

- 1. THIS PLAN IS BASED UPON A FIELD/RUN TOPOGRAPHIC SURVEY PERFORMED BY WBCM IN DECEMBER, 2016 AND REFLECTS SITE CONDITIONS AS OF THAT DATE.
2. COORDINATES AND DIRECTIONS SHOWN HEREON ARE REFERRED TO THE MERIDIAN OF THE MARYLAND STATE PLANE COORDINATE SYSTEM (NAD83) AS DETERMINED FROM REAL TIME KINEMATIC SURVEYING AS BROADCAST BY THE TOPCON NETWORK.
3. ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88), AS DETERMINED BY R.T.K. G.P.S. OBSERVATIONS AS BROADCAST BY THE TOPCON NETWORK (WGS84).
4. THE LOCATION OF EXISTING UNDERGROUND UTILITIES IS SHOWN IN AN APPROXIMATE WAY ONLY. THE DESCRIPTION OF THE UNDERGROUND UTILITIES AS SHOWN HEREON WERE BASED SOLELY UPON FIELD OBSERVATIONS AND HAVE NOT BEEN COMPARED TO OR VERIFIED WITH RECORD UTILITY DRAWINGS OR FIELD TEST PITS. THE SIZE, TYPE AND LOCATION OF THE UTILITY LINES SHOULD BE VERIFIED BY THE USER OF THIS DRAWING.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY ACTUAL SITE CONDITIONS PRIOR TO THE START OF ANY WORK. THERE IS NO WARRANTY OR GUARANTEE ON THE COMPLETENESS OR CORRECTNESS OF THE EXISTING CONDITION INFORMATION. ANY DISCREPANCY FOUND SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO THE START OF ANY WORK.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING "MISS UTILITY" AT 1-800-257-7777 THREE DAYS PRIOR TO THE START OF ANY EXCAVATION WORK.
7. THE WORDS "CERTIFY" OR "CERTIFICATION" AS USED HEREON ARE UNDERSTOOD TO BE AN EXPRESSION OF PROFESSIONAL OPINION BY THE UNDERSIGNED SURVEYOR, BASED UPON HIS BEST KNOWLEDGE, INFORMATION, AND BELIEF. AS SUCH, IT DOES NOT CONSTITUTE A GUARANTEE NOR A WARRANTY, EXPRESSED OR IMPLIED.

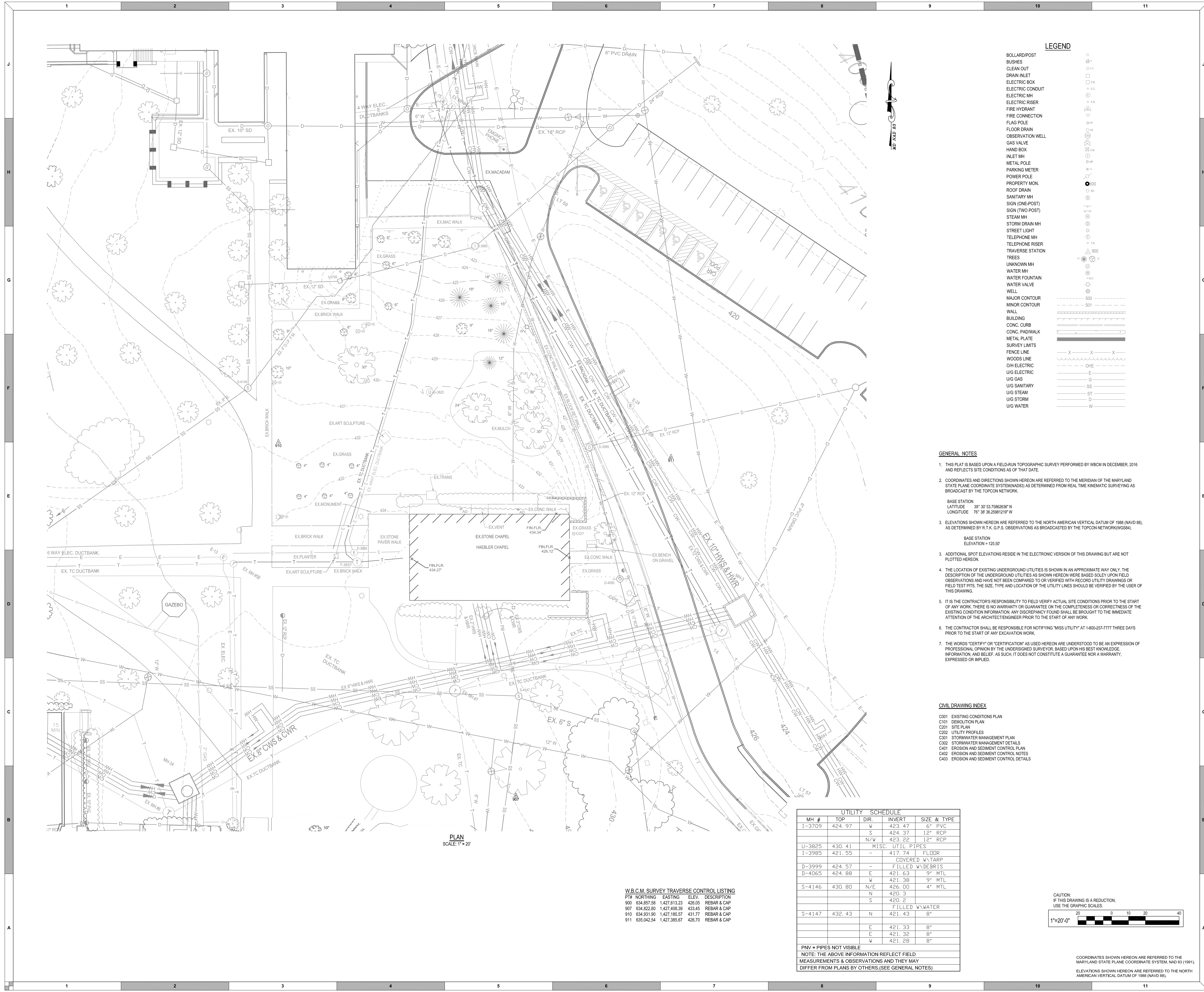
CIVIL DRAWING INDEX

- C001 EXISTING CONDITIONS PLAN
C101 DEMOLITION PLAN
C201 SITE PLAN
C202 UTILITY PROFILES
C301 STORMWATER MANAGEMENT PLAN
C302 STORMWATER MANAGEMENT DETAILS
C401 EROSION AND SEDIMENT CONTROL PLAN
C402 EROSION AND SEDIMENT CONTROL NOTES
C403 EROSION AND SEDIMENT CONTROL DETAILS

UTILITY SCHEDULE table with columns: MH #, TOP, DIR., INVERT, SIZE & TYPE. Lists various manholes and pipes with their elevations and specifications.



COORDINATES SHOWN HEREON ARE REFERRED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM (NAD 83). ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).



W.B.C.M. SURVEY TRAVERSE CONTROL LISTING table with columns: PT#, NORTHING, EASTING, ELEV., DESCRIPTION. Lists control points 900 through 911.

PLAN SCALE: 1" = 20'

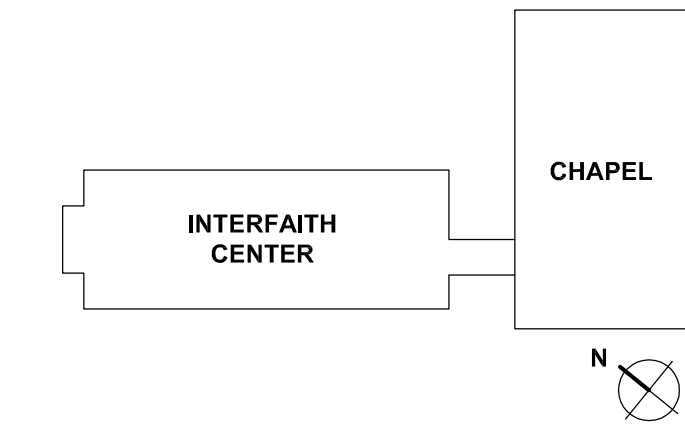
PNV = PIPES NOT VISIBLE
NOTE: THE ABOVE INFORMATION REFLECT FIELD MEASUREMENTS & OBSERVATIONS AND THEY MAY DIFFER FROM PLANS BY OTHERS.(SEE GENERAL NOTES)

STAPLE EDGE (vertical text on the left margin)

STAPLE EDGE (vertical text on the bottom margin)

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

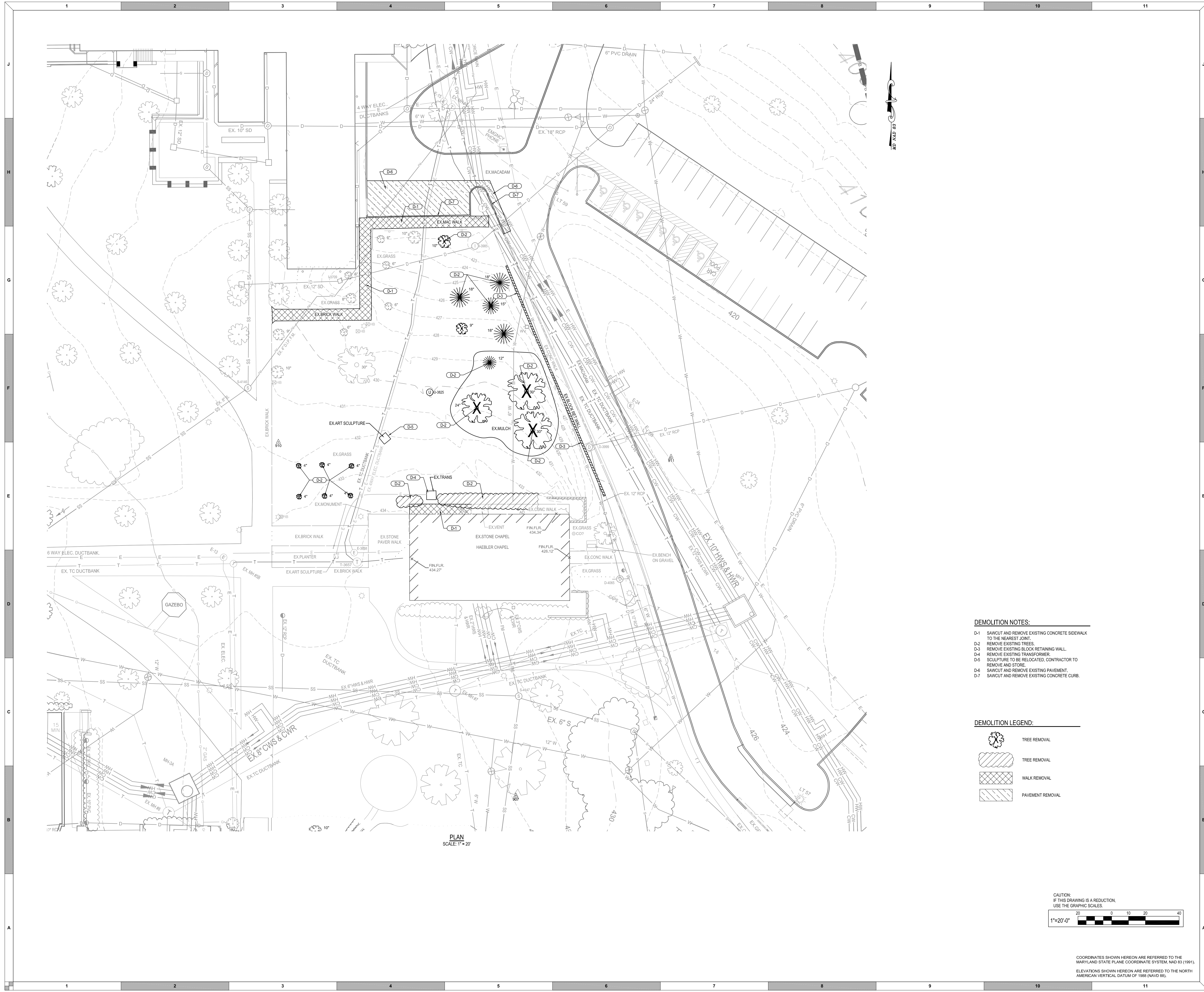
**NOT FOR CONSTRUCTION**

DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	1" = 20'
JOB NO.:	21641.00
DRAWN BY:	M.L.H.

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

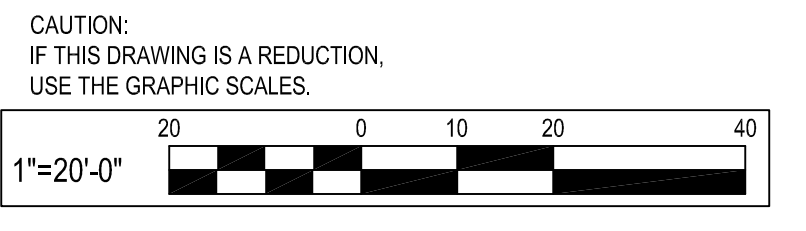
DRAWING NAME  
**DEMOLITION PLAN**

DRAWING NUMBER  
**C101**



- DEMOLITION NOTES:**
- D-1 SAWCUT AND REMOVE EXISTING CONCRETE SIDEWALK TO THE NEAREST JOINT.
  - D-2 REMOVE EXISTING TREES.
  - D-3 REMOVE EXISTING BLOCK RETAINING WALL.
  - D-4 REMOVE EXISTING TRANSFORMER.
  - D-5 SCULPTURE TO BE RELOCATED, CONTRACTOR TO REMOVE AND STORE.
  - D-6 SAWCUT AND REMOVE EXISTING PAVEMENT.
  - D-7 SAWCUT AND REMOVE EXISTING CONCRETE CURB.

- DEMOLITION LEGEND:**
- TREE REMOVAL
  - TREE REMOVAL
  - WALK REMOVAL
  - PAVEMENT REMOVAL



COORDINATES SHOWN HEREON ARE REFERRED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM (MD 83 1991). ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

STAPLE EDGE

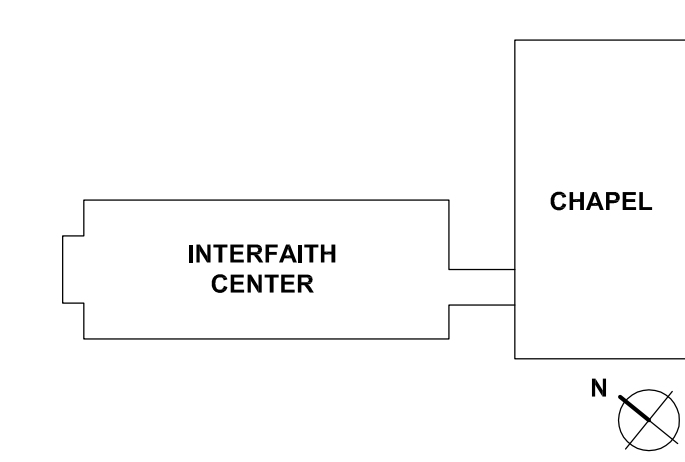
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1 2 3 4 5 6 7 8 9 10 11

Apr 28, 2017, 4:25pm User: mmughis P:\2016\16013000\Demolition\50%CD\16013000-CD-Demolition Plan.dwg

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

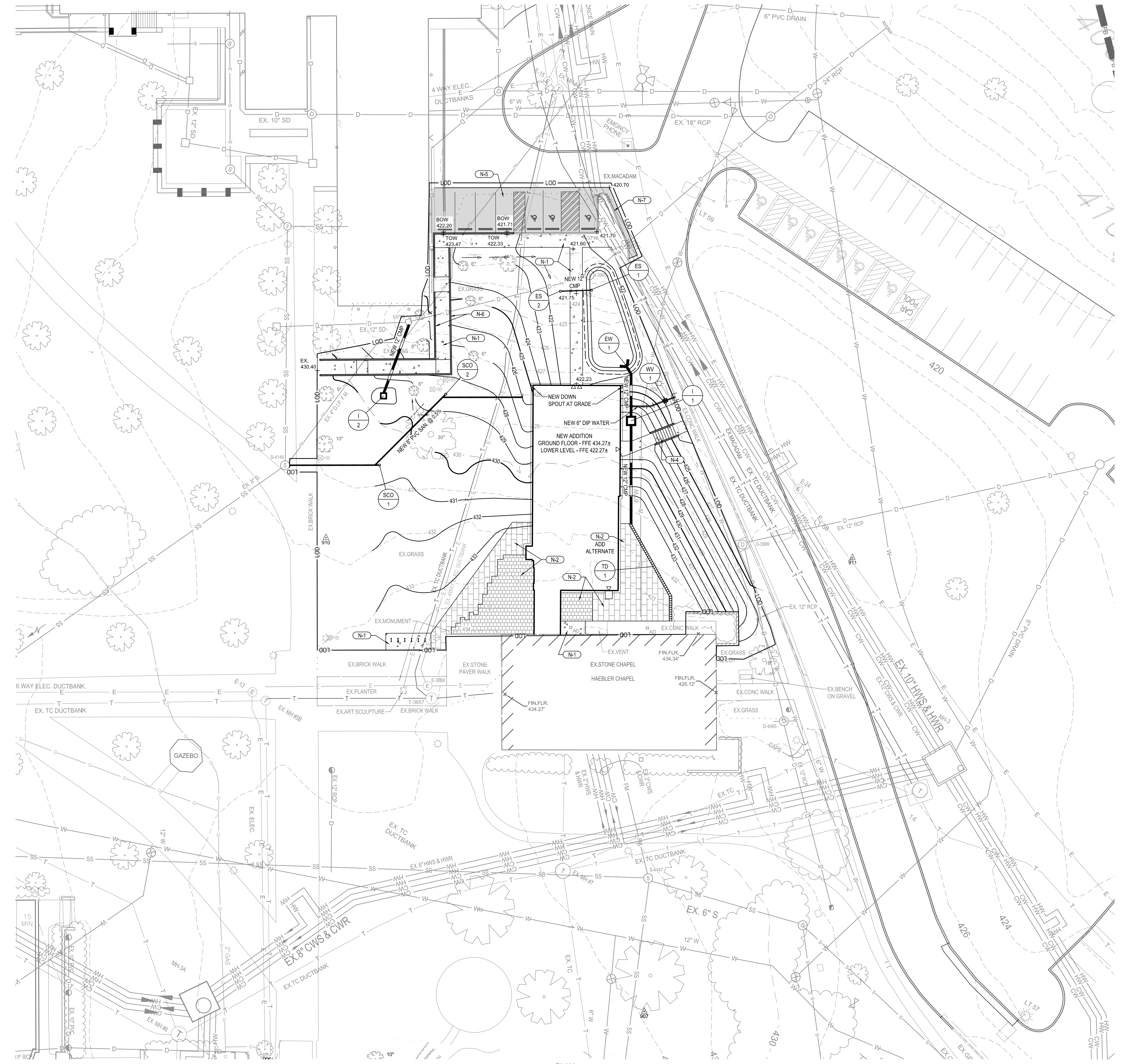
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ISSUE DATE:	04/28/17
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JOB NO.:	21641.00
DRAWN BY:	M.L.H.

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**SITE PLAN**

DRAWING NUMBER  
**C201**



PLAN  
SCALE: 1" = 20'

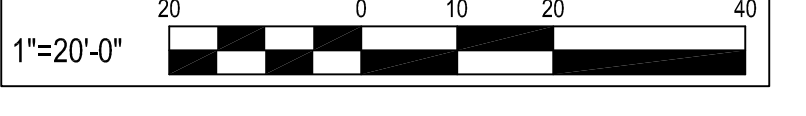
CONSTRUCTION NOTES:

- N-1 NEW CONCRETE SIDEWALK. SEE LANDSCAPE PLANS FOR DETAIL.
- N-2 NEW PAVERS. SEE LANDSCAPE PLANS FOR DETAIL.
- N-3 NEW RETAINING WALL. SEE ARCHITECTURAL PLANS FOR DETAIL.
- N-4 NEW STAIRS. SEE LANDSCAPE PLANS FOR DETAIL.
- N-5 NEW BITUMINOUS PAVING. SEE LANDSCAPE PLANS.
- N-6 NEW WALL. SEE LANDSCAPE PLANS FOR DETAIL.
- N-7 NEW 6" CONCRETE CURB. SEE LANDSCAPE PLANS FOR DETAIL.

CONSTRUCTION LEGEND:

- NEW CONCRETE WALK
- NEW BITUMINOUS PAVING
- NEW PAVERS
- NEW CONCRETE CURB
- NEW CONTOURS
- NEW STORM DRAIN
- NEW SANITARY
- NEW INLET
- NEW END WALL
- NEW WATER

CAUTION:  
IF THIS DRAWING IS A REDUCTION,  
USE THE GRAPHIC SCALES.



COORDINATES SHOWN HEREON ARE REFERRED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM (MD 83 1991). ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

PROJECT TEAM

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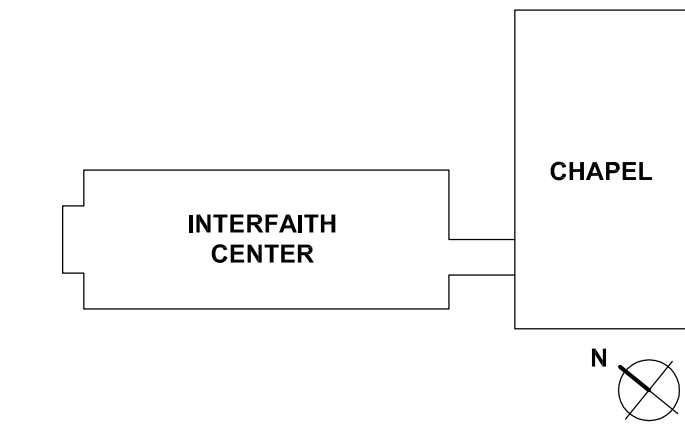
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REVISIONS		
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KEY PLAN



ARCHITECTS + PLANNERS

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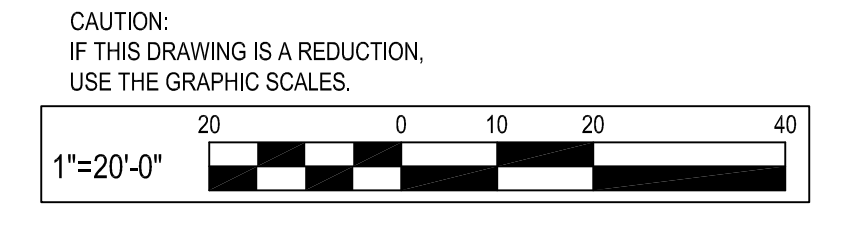
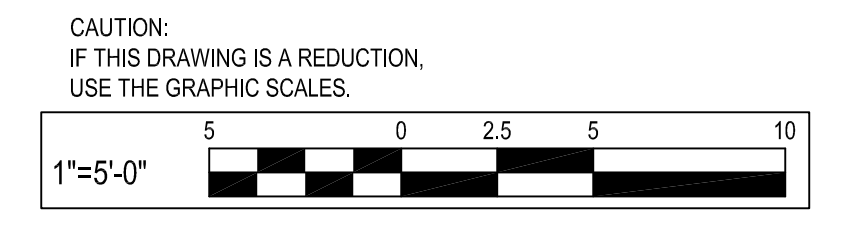
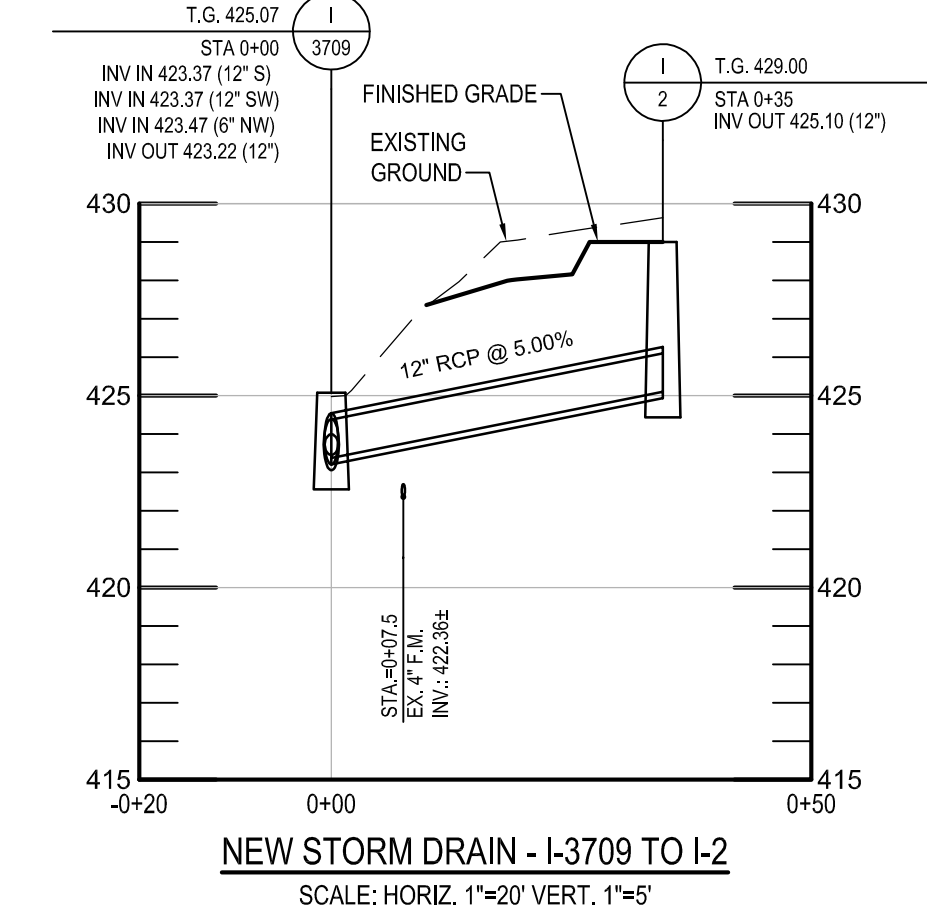
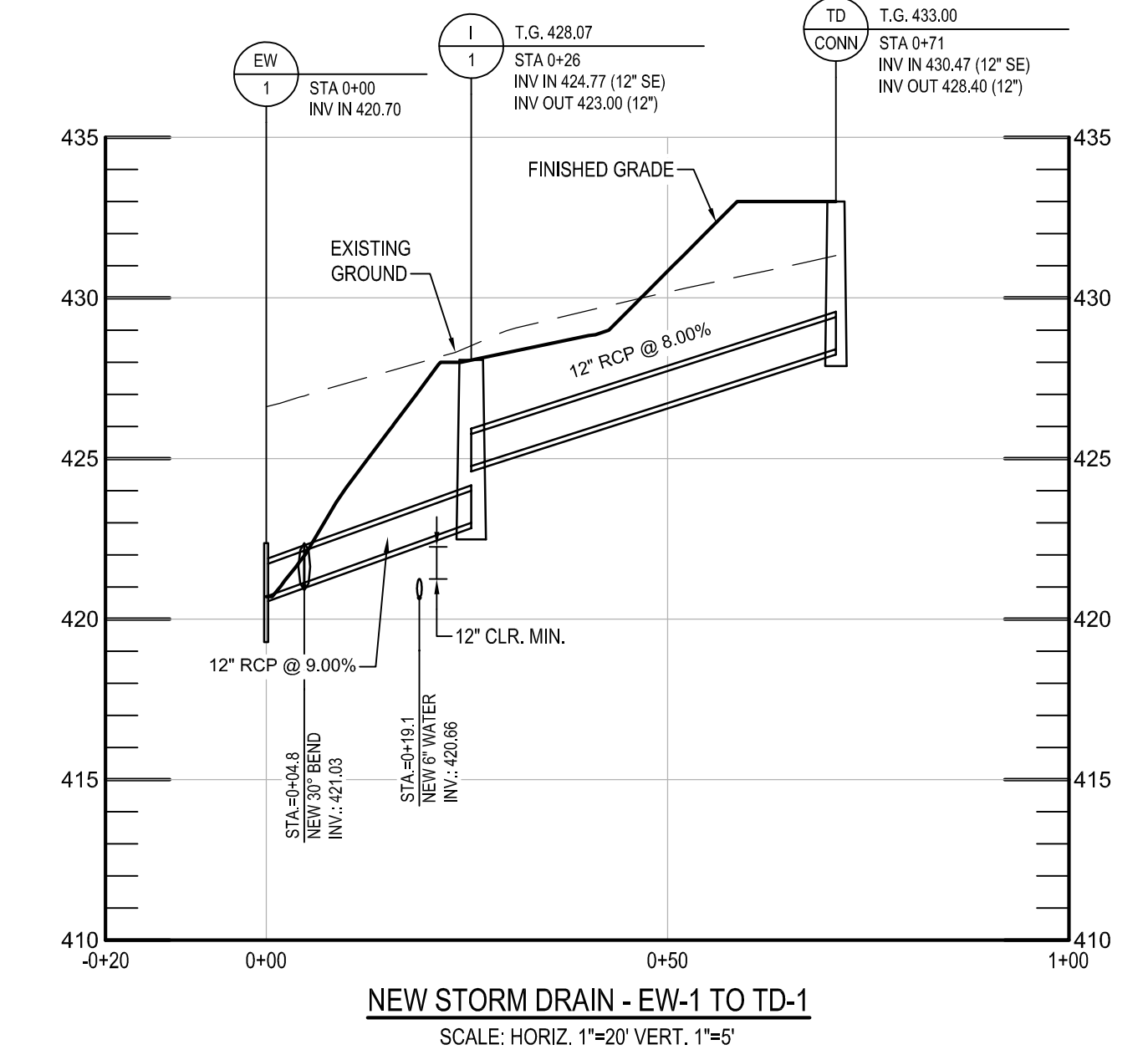
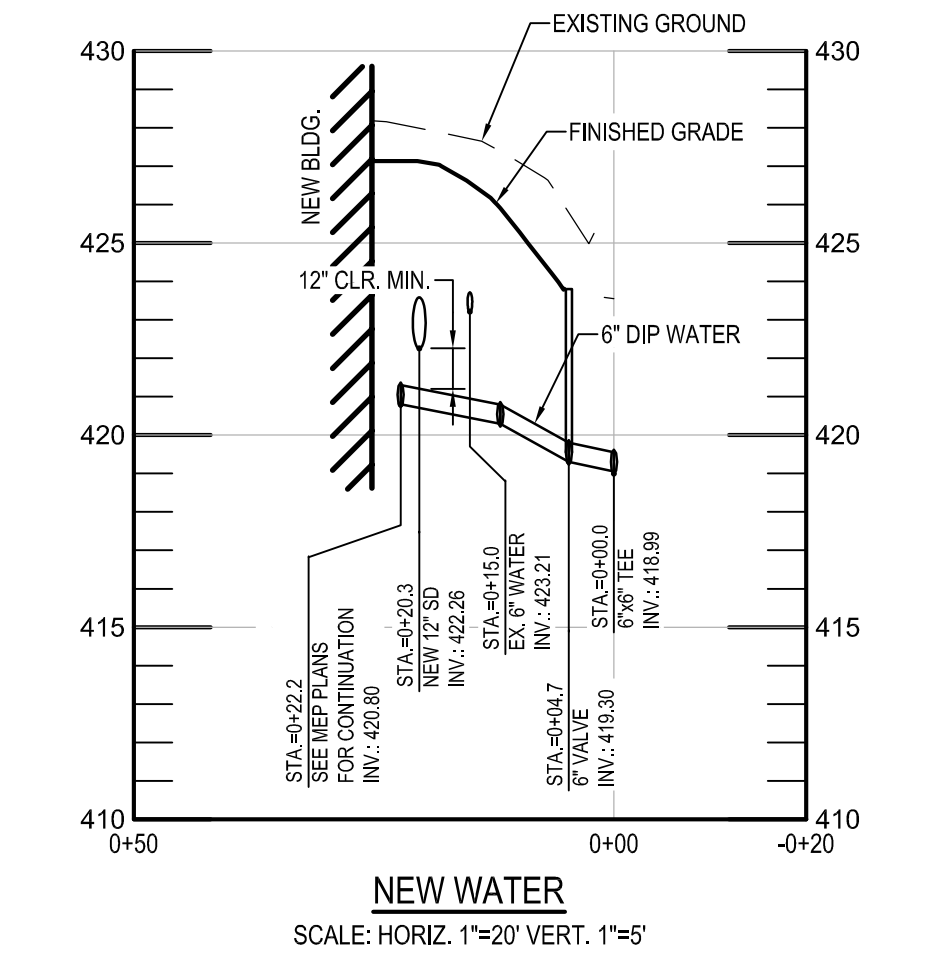
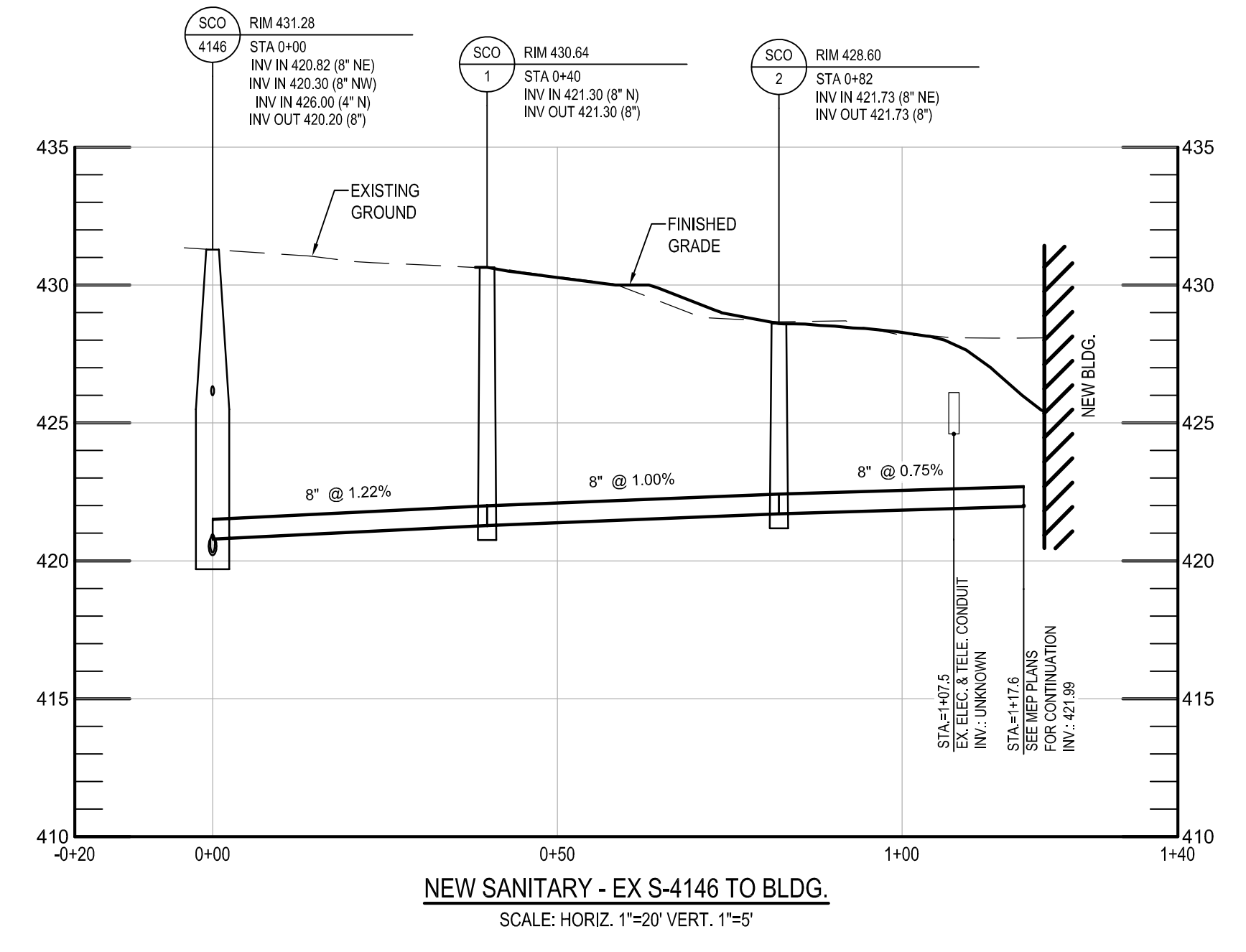
DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	AS SHOWN
JOB NO.:	21641.00
DRAWN BY:	M.L.H.

PROJECT DESIGN PHASE  
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DRAWING NAME  
**UTILITY PROFILES**

DRAWING NUMBER

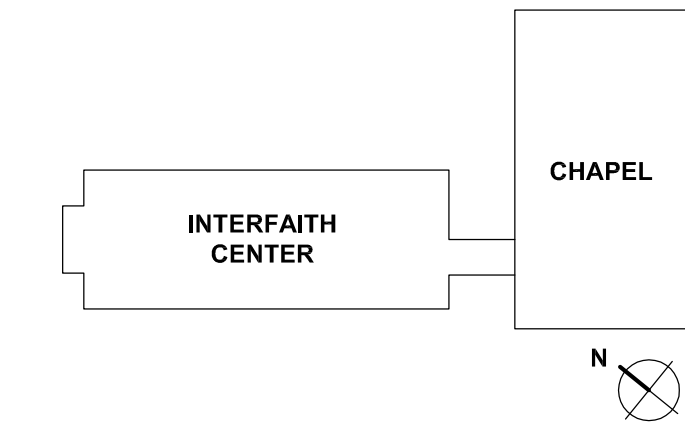
**C202**



COORDINATES SHOWN HEREON ARE REFERRED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM (MAD 83, 1991). ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

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DRAWN BY:	M.L.H.

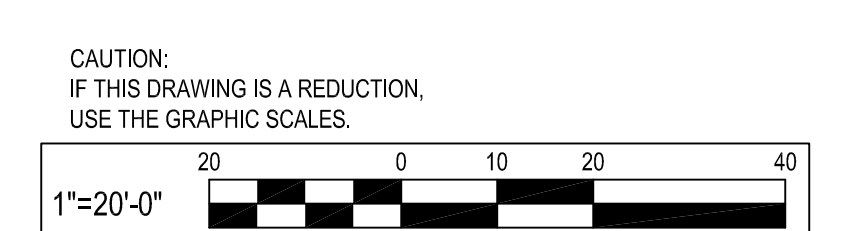
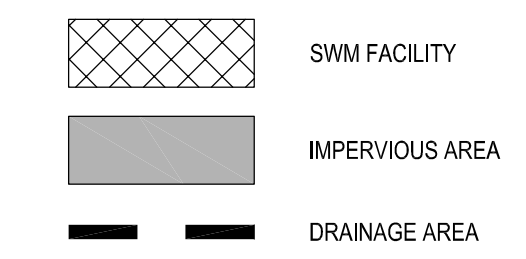
PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**STORMWATER MANAGEMENT PLAN**

DRAWING NUMBER  
**C301**

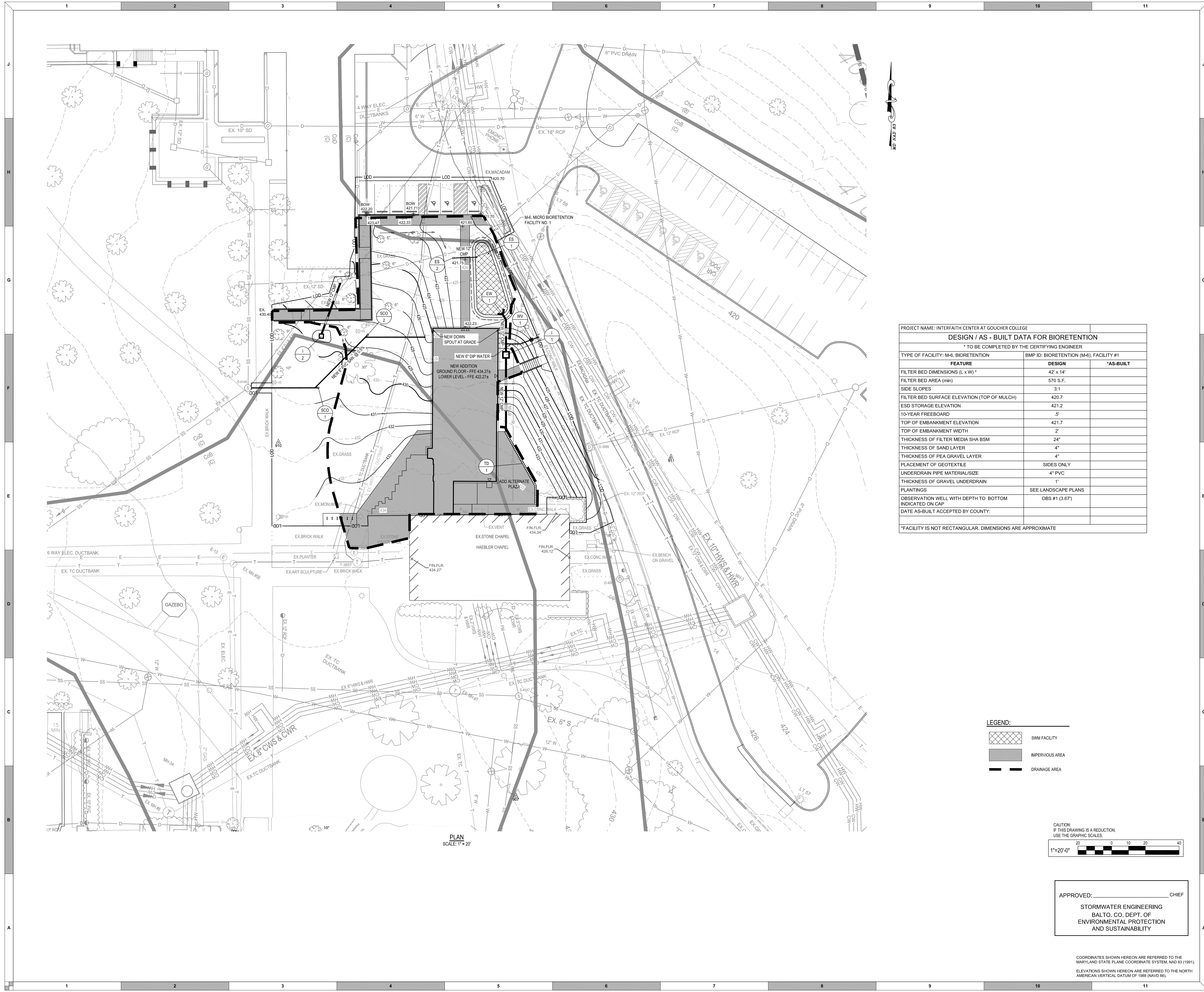
PROJECT NAME: INTERFAITH CENTER AT GOUCHER COLLEGE		
DESIGN / AS - BUILT DATA FOR BIORETENTION		
* TO BE COMPLETED BY THE CERTIFYING ENGINEER		
TYPE OF FACILITY: M-6, BIORETENTION	BMP ID: BIORETENTION (M-6), FACILITY #1	
FEATURE	DESIGN	*AS-BUILT
FILTER BED DIMENSIONS (L x W) *	42' x 14'	
FILTER BED AREA (min)	570 S.F.	
SIDE SLOPES	3:1	
FILTER BED SURFACE ELEVATION (TOP OF MULCH)	420.7	
ESD STORAGE ELEVATION	421.2	
10-YEAR FREEBOARD	.5'	
TOP OF EMBANKMENT ELEVATION	421.7	
TOP OF EMBANKMENT WIDTH	2'	
THICKNESS OF FILTER MEDIA SHA BSM	24"	
THICKNESS OF SAND LAYER	4"	
THICKNESS OF PEA GRAVEL LAYER	4"	
PLACEMENT OF GEOTEXTILE	SIDES ONLY	
UNDERDRAIN PIPE MATERIAL/SIZE	4" PVC	
THICKNESS OF GRAVEL UNDERDRAIN	1"	
PLANTINGS	SEE LANDSCAPE PLANS	
OBSERVATION WELL WITH DEPTH TO BOTTOM INDICATED ON CAP	OBS #1 (3.67')	
DATE AS-BUILT ACCEPTED BY COUNTY:		
*FACILITY IS NOT RECTANGULAR, DIMENSIONS ARE APPROXIMATE		

LEGEND:



APPROVED: \_\_\_\_\_ CHIEF  
 STORMWATER ENGINEERING  
 BALTO. CO. DEPT. OF  
 ENVIRONMENTAL PROTECTION  
 AND SUSTAINABILITY

COORDINATES SHOWN HEREON ARE REFERRED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM (MDS 1991).  
 ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

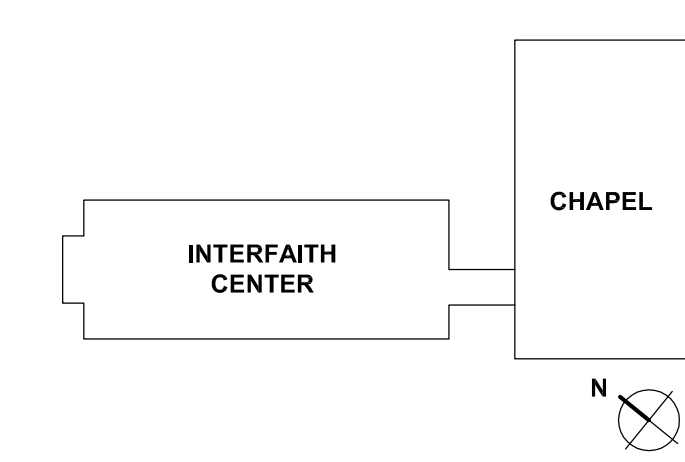


PLAN  
SCALE: 1" = 20'

STAPLE EDGE

REVISIONS		
REV. #	DESCRIPTION	DATE

**KEY PLAN**



ARCHITECTS + PLANNERS

**NOT FOR CONSTRUCTION**

DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	AS SHOWN
JOB NO.:	21641.00
DRAWN BY:	M.L.H.

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**  
DRAWING NAME

**STORMWATER MANAGEMENT DETAILS**

DRAWING NUMBER  
**C302**

**SPECIFICATIONS:**

- SEE CHART BELOW.
- THE CONTRACTOR SHALL SUBMIT SOIL TEST RESULTS (1 PER 30 CY OF BSM) TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. PERFORM SOIL TESTS FOR BOTH IMPORTED SOIL AND REUSED / AMENDED TOP SOIL. SOIL TEST AND RESULTS SHALL INCLUDE AT A MINIMUM; PHOSPHORUS, ORGANIC MATTER, SOLUBLE SALTS, AND TEXTURAL ANALYSIS.
- MINIMIZE COMPACTION OF SUBGRADE SOILS IN MICRO BIORETENTION AREAS. CONTRACTOR SHALL TILL THE SUBGRADE SOILS TO A DEPTH OF 6" BELOW THE BOTTOM OF EACH FACILITY. WHEN BACKFILLING THE MICRO BIORETENTION FACILITY, PLACE SOIL IN LIFTS 12" TO 18" DO NOT USE HEAVY EQUIPMENT WITHIN THE MICRO BIORETENTION BASIN. HEAVY EQUIPMENT CAN BE USED AROUND THE PERIMETER OF THE BASIN TO SUPPLY SOILS AND SAND. GRADE MICRO BIORETENTION MATERIALS WITH LIGHT EQUIPMENT SUCH AS A COMPACT LOADER OR A DOZER/LOADER WITH MARSH TRACKS.
- PLANT MATERIAL SHALL BE REPRESENTATIVE OF SPECIES AND CONFORM TO THE AMERICAN STANDARD FOR NURSERY STOCK, ANSI Z60.1-2004.

**MATERIALS SPECIFICATIONS FOR MICRO-BIORETENTION**

MATERIAL	SPECIFICATION	SIZE	NOTES
PLANTINGS	SEE PLAN SHEET	N/A	PLANTINGS ARE SITE SPECIFIC
BSM	SHA BIORETENTION SOIL MIX (BSM) SECTION 920.01.05 ORGANIC CONTENT MIN. 5% BY DRY WEIGHT (ASTM D 2974)	N/A	MARYLAND STATE HIGHWAY ADMINISTRATION STANDARDS SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS DATED JULY 2008 INCLUDING AND ADDENDA THERETO. COPY TO BE KEPT ON-SITE
MULCH	SHREDDED HARDWOOD	AGED 6 MONTHS, MINIMUM	NO PINE OR WOOD CHIPS
PEA GRAVEL	ASTM-C-448	NO.8 OR NO.9 (1/8" TO 3/8")	
ORNAMENTAL STONE	WASHED COBBLES	STONE: 1" TO 3"	
GEOTEXTILE		N/A	NONWOVEN GEOTEXTILE TABLE H.1 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
UNDERDRAIN GRAVEL	AASHTO M-43	NO.57, 6, OR 67 (3/8" TO 3/4")	
IMPERMEABLE LINER (IF REQUIRED)	ASTM-D-1776	30-MIL THICKNESS	LAYER TO BE ULTRA-VIOLET RESISTANT. A GEOTEXTILE FABRIC SHOULD BE USED TO PROTECT THE LINER FROM PUNCTURE.
UNDERDRAIN PIPING	F 758, TYPE PS 28 AASHTO M-279 AASHTO M-252	4" TO 6"	SLOTTED OR PERFORATED PIPE: SLOTTED PIPE SHALL HAVE A MINIMUM OPEN AREA OF 1.5 SQ. IN. / LINEAR FOOT WITH A MAXIMUM SLOT LENGTH OF 2" AND MAXIMUM SLOT WIDTH OF 1/8 INCH. PERFORATED PIPE SHALL BE WRAPPED WITH 1/4 INCH GALVANIZED HARDWARE CLOTH.
CAST-IN-PLACE CONCRETE (IF REQUIRED)	MSHA MK. NO.3; F' <sub>c</sub> =3500 PSI @ 28 DAYS, NORMAL WEIGHT, AIR-ENTRAINED; REINFORCING TO MEET ASTM-A15-60	N/A	ON-SITE TESTING OF CAST-IN-PLACE CONCRETE REQUIRED: 28 DAY STRENGTH AND SLUMP TEST; ALL CONCRETE DESIGN (CAST-IN-PLACE OR PRE-CAST) NOT USING PREVIOUSLY APPROVED STATE OR LOCAL STANDARDS REQUIRES DESIGN DRAWINGS SEALED AND APPROVED BY A PROFESSIONAL STRUCTURAL ENGINEER LICENSED IN THE STATE OF MARYLAND - DESIGN TO INCLUDE MEETING ACI CODE 308.1R08; VERTICAL LOADING (R <sub>v</sub> /10 OR R <sub>v</sub> /20) ALLOWABLE HORIZONTAL LOADING (BASED ON SOIL PRESSURES); AND ANALYSIS OF POTENTIAL CRACKING
COARSE SAND	AASHTO-M6 OR ASTM-C-33	0.02" TO 0.04"	SAND SUBSTITUTIONS SUCH AS DIABASE AND GRAYSTONE (AASHTO) #10 ARE NOT ACCEPTABLE. NO CALCIUM CARBONATED OR DOLOMITIC SAND SUBSTITUTIONS ARE ACCEPTABLE. NO "ROCK DUST" CAN BE USED FOR SAND
STABILIZATION MATING	SHA SECTION 920.05		TYPE A, B, C OR D AS NOTED ON PLAN / SECTION / DETAILS MARYLAND STATE HIGHWAY ADMINISTRATION STANDARDS SPECIFICATIONS FOR CONSTRUCTION AND MATERIALS DATED JULY 2008 INCLUDING AND ADDENDA THERETO. COPY TO BE KEPT ON-SITE.

**MAINTENANCE SCHEDULE:**

AFTER CONSTRUCTION COMPLETION AND ACCEPTANCE OF THE WORK, INSPECTION AND MAINTENANCE SHALL BE THE RESPONSIBILITY OF GOUCHER COLLEGE.

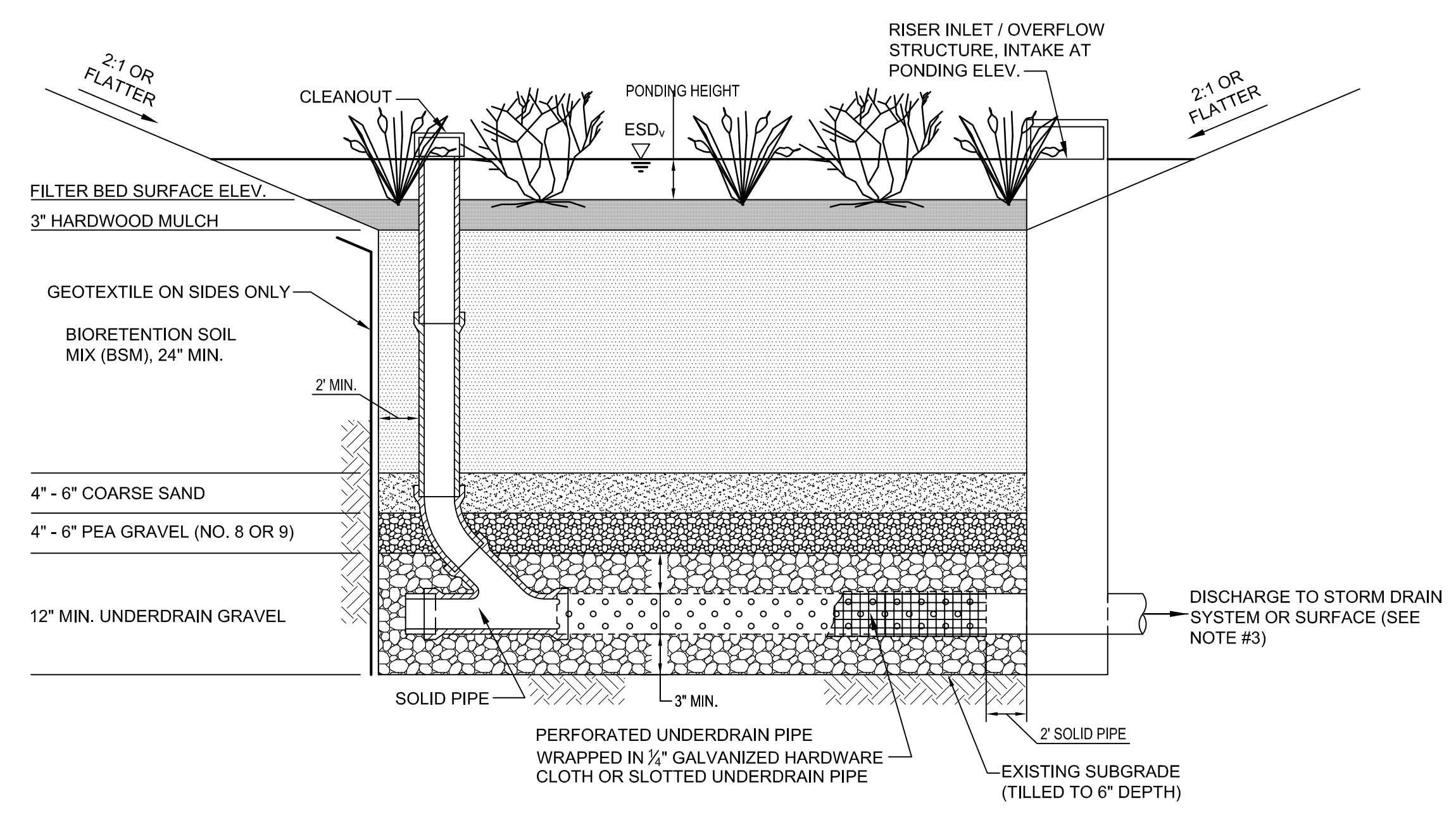
**STORMWATER MAINTENANCE SCHEDULE MICRO-BIORETENTION**

INSPECTION ITEM	FREQUENCY OF INSPECTION	INSPECTION REQUIREMENTS	REMEDIAL ACTION
BIORETENTION BASIN	SEASONALLY AND AFTER A MAJOR STORM		
DEWATERING	SEASONALLY AND AFTER A MAJOR STORM	FACILITY MUST DEWATER WITHIN 48 HOURS OF RAINFALL. NOTICEABLE COORS, STAINED WATER ON THE FILTER SURFACE OR AT THE OUTLET, OR THE PRESENCE OF ALGAE OR AQUATIC VEGETATION ARE INDICATORS OF ANAEROBIC CONDITIONS AND INADEQUATE DEWATERING OF THE FACILITY.	THE TOP THREE INCHES OF SOIL SHOULD BE REMOVED AND REPLACED WITH SOIL MATERIAL AS PER PLAN SPECIFICATIONS. FOLLOW UP INSPECTIONS MUST CONFIRM ADEQUATE DEWATERING. IF THE FACILITY DOES NOT FUNCTION AS INTENDED AFTER THE ABOVE ACTION OR DRAINAGE EXCEEDS 72 HOURS, ALL MEDIA AND UNDERDRAIN SYSTEM NEED TO BE REMOVED AND REPLACED.
MULCH LAYER	SEASONALLY AND AFTER A MAJOR STORM	CHECK MULCH FOR ADEQUATE COVER, SEDIMENT ACCUMULATION, OR DISCOLORATION.	REMOVE AND REPLACE OLD MULCH AND EXCESS SEDIMENTS. PROVIDE ADEQUATE MULCH COVER ACCORDING TO APPROVED DESIGN.
ORNAMENTAL STONE	SEASONALLY AND AFTER A MAJOR STORM	CHECK STONE FOR ADEQUATE COVER, SEDIMENT ACCUMULATION, OR DISCOLORATION.	REMOVE AND REPLACE OLD STONE AND EXCESS SEDIMENTS. PROVIDE ADEQUATE STONE COVER ACCORDING TO APPROVED DESIGN.
VEGETATIVE SURFACES	MONTHLY		
PLANT COMPOSITION AND HEALTH	MONTHLY	COMPARE PLANT COMPOSITION WITH APPROVED PLANS. CHECK FOR INVASIVE SPECIES OR WEEDS. CHECK FOR DEAD OR DYING VEGETATION.	REMOVE AND REPLACE PLANTS IN ACCORDANCE WITH PLAN SPECIFICATIONS.
VEGETATIVE COVER AND EROSION	MONTHLY	CHECK FOR EVIDENCE OF EROSION, RUNOFF CHANNELIZING, OR BARE SPOTS.	RE-SEED OR RE-PLANT IN ACCORDANCE WITH APPROVED LANDSCAPING PLANS. RE-GRADING MAY BE REQUIRED WHEN CONCENTRATED FLOW CAUSES RILLS OR GULLIES THROUGH THE FACILITY.
DEBRIS AND TRASH CLEANOUT	MONTHLY	CHECK THAT THE FACILITY IS CLEAN OF TRASH AND DEBRIS. INLETS, OUTLETS, AND CONTRIBUTING AREAS AROUND THE FACILITY MUST BE CHECKED.	TRASH AND DEBRIS MUST BE DISPOSED OF IN AN ACCEPTABLE MANNER ACCORDING TO CURRENT REGULATIONS.
STRUCTURAL COMPONENTS	ANNUALLY	CHECK FOR EVIDENCE OF STRUCTURAL DETERIORATION, SPALLING, OR CRACKING. INLET AND OUTLET STRUCTURES MUST BE IN GOOD CONDITION.	REPAIR TO GOOD CONDITION ACCORDING TO SPECIFICATIONS ON THE APPROVED PLANS.
OUTLETS	SEASONALLY AND AFTER A MAJOR STORM	CHECK FOR EVIDENCE OF EROSION, RILLS, OR GULLYLING. RIBRAMP OUTLET MUST BE MAINTAINED IN GOOD FUNCTIONAL CONDITION.	STABILIZE ALL ERODED AREAS AND GRADE TO PROVIDE STABLE CONVEYANCE. REPAIR ACCORDING TO APPROVED PLAN.
GRASS CHANNEL CONVEYANCE SYSTEMS	SEASONALLY AND AFTER A MAJOR STORM	CHECK FOR EROSION, FLOW BLOCKAGES, AND STABLE CONVEYANCE.	STABILIZE AND GRADE ACCORDING TO APPROVED PLAN.
OVERALL FUNCTION OF THE FACILITY	ANNUALLY	CHECK THAT ANY FLOW SPLITTERS ARE FUNCTIONING AS DESIGNED AND THAT BYPASS IS OPERATING AS DESIGNED.	REPAIRS MUST BE IN ACCORDANCE WITH APPROVED PLANS.

IF FIELD CONDITIONS REQUIRE A MODIFICATION TO THE ORIGINAL APPROVAL IN ORDER TO ACHIEVE THE INTENDED DESIGN FUNCTION, CONTACT MDE'S SEDIMENT AND STORMWATER MANAGEMENT PLAN REVIEW DIVISION AT 410-537-3563 FOR REVIEW AND APPROVAL OF PROPOSED MODIFICATIONS.

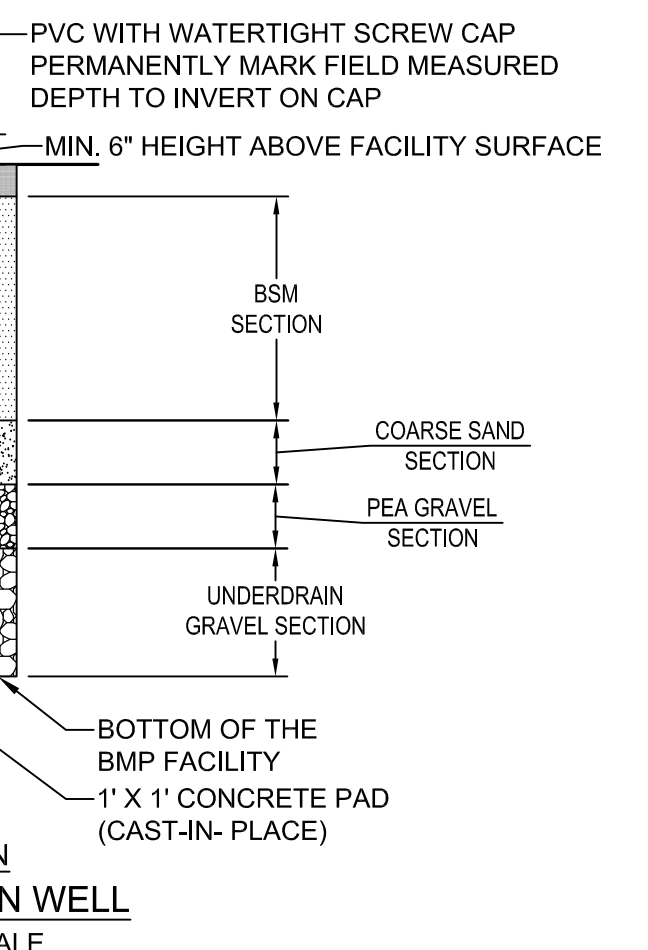
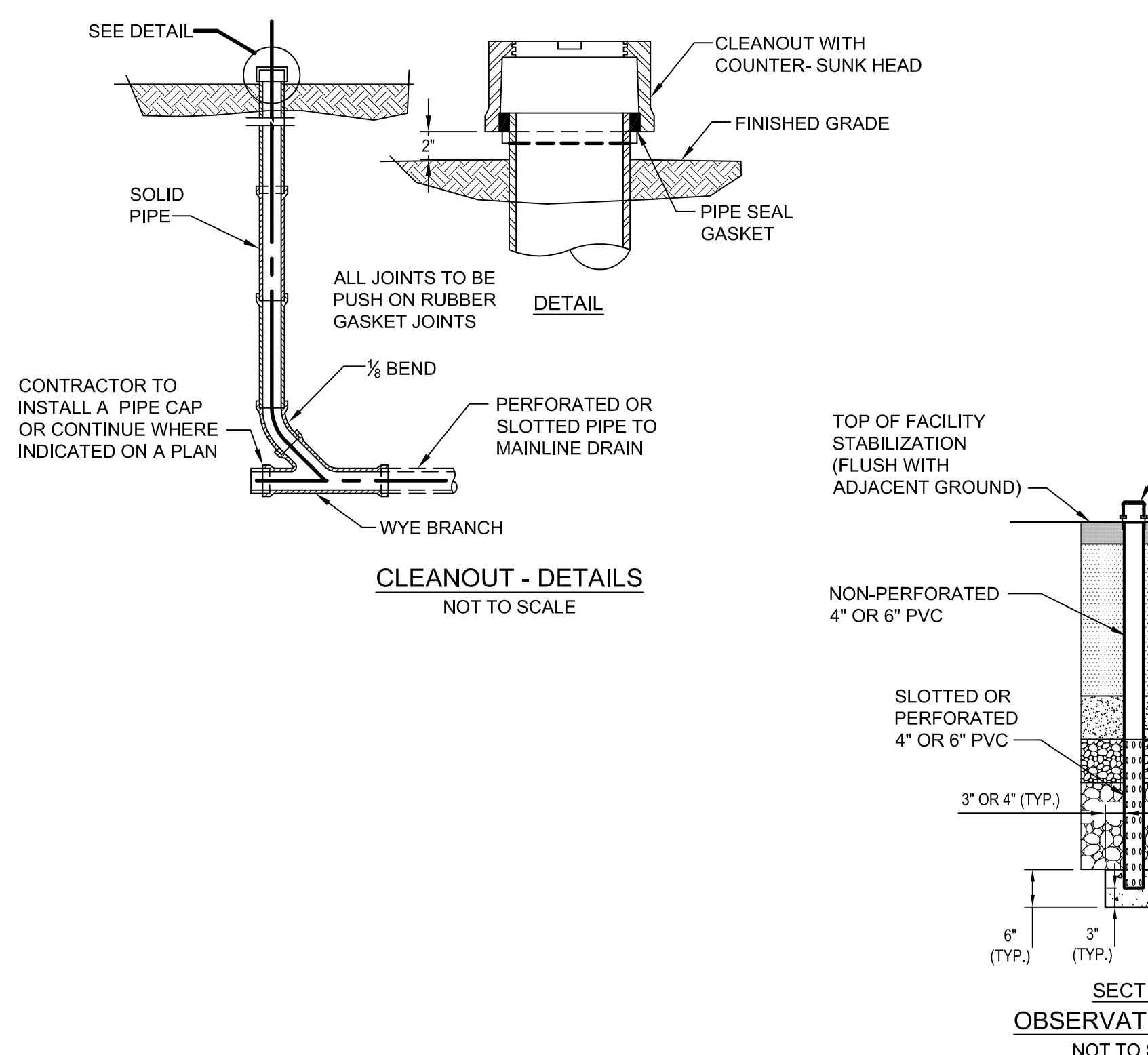
**INSPECTION:**

- REGULAR INSPECTIONS SHALL BE MADE DURING THE FOLLOWING STAGES OF CONSTRUCTION:
- CONTRACTOR SHALL NOTIFY THE CERTIFYING ENGINEER 48 HOURS PRIOR TO REQUIRED INSPECTION.
  - DURING EXCAVATION TO SUBGRADE.
  - DURING PLACEMENT OF GEOTEXTILE.
  - DURING PLACEMENT AND BACKFILL OF UNDERDRAIN PIPE AND GRAVEL.
  - DURING PLACEMENT OF BACKFILL AND BSM SOIL.
  - DURING PLACEMENT OF MULCH.
  - DURING PLACEMENT OF PLANTS.



- NOTES:**
- A MINIMUM OF ONE OBSERVATION WELL MUST BE PROVIDED FOR EVERY 1000SF OF FILTER SURFACE AREA.
  - DO NOT INSTALL GEOTEXTILE ALONG THE TOP, BOTTOM, OR ANY HORIZONTAL LAYER.
  - DISCHARGE SHALL BE TO A STABLE, NON-EROSIVE OUTFALL.
  - UNDERDRAIN PIPE IS OPTIONAL IN HYDRAULIC SOIL GROUP A OR B. SEE PLAN.

**SECTION FOR MICRO-BIORETENTION WITH RISER**  
NOT TO SCALE



APPROVED: \_\_\_\_\_ CHIEF  
STORMWATER ENGINEERING  
BALTO. CO. DEPT. OF ENVIRONMENTAL PROTECTION AND SUSTAINABILITY

COORDINATES SHOWN HEREON ARE REFERRED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM AND (3/1991). ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).







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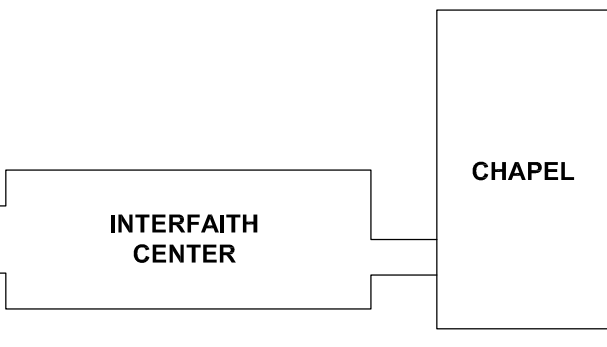
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Table with 3 columns: REV.#, DESCRIPTION, DATE

KEY PLAN



AYERS SAINT GROSS ARCHITECTS + PLANNERS

NOT FOR CONSTRUCTION

Table with 2 columns: DRAWING INFORMATION, ISSUE DATE, SCALE, JOB NO., DRAWN BY.

PROJECT DESIGN PHASE 50% CONSTRUCTION DOCUMENTS

EROSION AND SEDIMENT CONTROL NOTES

DRAWING NUMBER C402

SEEDING AND MULCHING

- A. SEEDING
1. SPECIFICATIONS
a. ALL SEED MUST MEET THE REQUIREMENTS OF THE MARYLAND STATE SEED LAW...
2. APPLICATION
a. DRY SEEDING...
b. HYDRO SEEDING...
B. MULCHING
1. MULCH MATERIALS (IN ORDER OF PREFERENCE)
a. STRAW CONSISTING OF THOROUGHLY THRESHED WHEAT, RYE, OAT, OR BARLEY...
b. WOOD CELLULOSE FIBER MULCH (WCFM)...

PERMANENT SEEDING SUMMARY table with columns: Mix No., Species, Application Rate, Seeding Dates, Depths, Fertilizer Rate, Lime Rate.

\* FOR THE PERIOD 5/1 - 8/14 ADD FOXTAIL, OR PEARL MILLET TO THE PERMANENT SEED MIX. DO NOT EXCEED MORE THAN 5% (BY HEIGHT) OF THE OVERALL PERMANENT SEEDING MIX.

- B. SOD: TO PROVIDE QUICK COVER ON DISTURBED AREAS (21' GRADE) OR FLATTER SLOPES.
1. GENERAL SPECIFICATIONS
a. CLASS OF TURFGRASS SOD MUST BE MARYLAND STATE CERTIFIED, SOD LABELS MUST BE MADE AVAILABLE TO THE JOB FOREMAN AND INSPECTOR.
b. SOD MUST BE MACHINE CUT AT A UNIFORM SOIL THICKNESS OF 1/4 INCH PLUS OR MINUS 1/16 INCH AT THE TIME OF CUTTING...
c. STANDARD SIZE SECTIONS OF SOD MUST BE STRONG ENOUGH TO SUPPORT THEIR OWN WEIGHT AND RETAIN THEIR SET AND SHAPE...
d. SOD MUST NOT BE HARVESTED OR TRANSPORTED WHEN MOISTURE CONTENT (EXCESSIVELY DRY OR WET) MAY ADVERSELY AFFECT ITS SURVIVAL.
e. SOD MUST BE HARVESTED, DELIVERED, AND INSTALLED WITHIN A PERIOD OF 30 HOURS...
f. WATER THE SOD IMMEDIATELY FOLLOWING ROLLING AND TAMPING UNTIL THE UNDERSIDE OF THE NEW SOD PAD AND SOIL SURFACE BELOW THE SOD ARE THOROUGHLY WET...
2. SOD INSTALLATION
a. DURING PERIODS OF EXCESSIVELY HIGH TEMPERATURE OR IN AREAS HAVING DRY SUBSOIL, LIGHTLY IRRIGATE THE SOD IMMEDIATELY PRIOR TO LAYING THE SOD.
b. LAY THE FIRST ROW OF SOD IN A STRAIGHT LINE WITH SUBSEQUENT ROWS PLACED PARALLEL TO IT AND TIGHTLY WEDGED AGAINST EACH OTHER...
c. UNDERLY SECURE THE SOD TO PREVENT SLIPPAGE ON SLOPES...
d. AFTER THE FIRST WEEK, SOD WATERING IS REQUIRED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE CONTENT...
3. SOD MAINTENANCE
a. IN THE ABSENCE OF ADEQUATE RAINFALL, WATER DAILY DURING THE FIRST WEEK FOR AS OFTEN AND SUFFICIENTLY AS NECESSARY TO PREVENT THE SOD FROM DRYING OUT...
b. AFTER THE FIRST WEEK, SOD WATERING IS REQUIRED AS NECESSARY TO MAINTAIN ADEQUATE MOISTURE CONTENT...
c. DO NOT MOW UNTIL THE SOD IS FIRMLY ROOTED...
d. MAINTAIN GRASS HEIGHT AT LEAST 1/2 INCHES UNLESS OTHERWISE SPECIFIED.

SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

- A. SOIL PREPARATION
1. TEMPORARY STABILIZATION
a. SEEDING PREPARATION CONSISTS OF LOOSENING SOIL TO A DEPTH OF 3 TO 5 INCHES BY MEANS OF SUITABLE AGRICULTURAL OR CONSTRUCTION EQUIPMENT...
b. SOILS OF CONCERN HAVE LOW MOISTURE CONTENT, LOW NUTRIENT LEVELS, LOW PH, MATERIALS TOXIC TO PLANTS, AND/OR UNACCEPTABLE SOIL GRAINATION...
c. INCORPORATE LIME AND FERTILIZER INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.
d. A SOIL TEST IS REQUIRED FOR ANY EARTH DISTURBANCE OF 5 ACRES OR MORE...
2. PERMANENT VEGETATIVE ESTABLISHMENT ARE:
a. SOIL PH BETWEEN 6.0 - 7.5
b. AVAILABLE SALTS LESS THAN 500 PARTS PER MILLION (PPM)
c. SOILS CONTAINING LESS THAN 40 PERCENT CLAY BUT ENOUGH FINE GRAINED MATERIAL (GREATER THAN 30 PERCENT SILT PLUS CLAY) TO PROVIDE THE CAPACITY TO HOLD A MODERATE AMOUNT OF MOISTURE...
d. APPLICATION OF AMENDMENTS OR TOPSOIL IS REQUIRED BY ON-SITE SOILS DO NOT MEET THE ABOVE CONDITIONS...
B. TOPSOILING
1. TOPSOIL IS PLACED OVER PREPARED SUBSOIL PRIOR TO ESTABLISHMENT OF PERMANENT VEGETATION...
2. TOPSOILING IS LIMITED TO AREAS HAVING 2:1 OR FLATTER SLOPES WHERE:
a. THE TEXTURE OF THE EXPOSED SUBSOIL/PARENT MATERIAL IS NOT ADEQUATE TO PRODUCE VEGETATIVE GROWTH...
b. THE SOIL MATERIAL IS SO SHALLOW THAT THE ROOTING ZONE IS NOT DEEP ENOUGH TO SUPPORT PLANTS OR FURNISH CONTINUING SUPPLIES OF MOISTURE AND PLANT NUTRIENTS...
3. SOIL AMENDMENTS (FERTILIZER AND LIME SPECIFICATIONS)
a. SOIL TESTS MUST BE PERFORMED TO DETERMINE THE EXACT RATIOS AND APPLICATION RATES FOR BOTH LIME AND FERTILIZER...
b. FERTILIZERS MUST BE UNIFORM IN COMPOSITION, FREE LIVING AND SUITABLE FOR ACCURATE APPLICATION...
c. LIME MATERIALS MUST BE GROUND LIMESTONE (HYDRATED OR BURNT LIME) WHICH MAY BE SUBSTITUTED EXCEPT WHEN HYDROSEEDING WHICH CONTAINS AT LEAST 90 PERCENT TOTAL OXIDES OF CALCIUM PLUS MAGNESIUM OXIDE...
d. LIME AND FERTILIZER ARE TO BE EVENLY DISTRIBUTED AND INCORPORATED INTO THE TOP 3 TO 5 INCHES OF SOIL BY DISKING OR OTHER SUITABLE MEANS.

STANDARD EROSION CONTROL NOTES

GENERAL NOTES (FOR EROSION AND SEDIMENT CONTROL PLANS ONLY)

- 1. REFER TO '2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL' FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE SPECIFIED HEREIN.
2. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, MINOR FIELD ADJUSTMENTS CAN AND WILL BE MADE TO INSURE THE CONTROL OF ANY SEDIMENT, CHANGES IN SEDIMENT CONTROL PRACTICES REQUIRE PRIOR APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT.
3. AT THE END OF EACH WORKING DAY, ALL SEDIMENT CONTROL PRACTICES WILL BE INSPECTED AND LEFT IN OPERATIONAL CONDITION.
4. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN: a) THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER CONTROLS, DICES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN THREE HORIZONTAL TO ONE VERTICAL (3:1), AND b) SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.
5. ANY CHANGES TO THE GRADING PROPOSED ON THIS PLAN REQUIRES RE-SUBMISSION TO BALTIMORE COUNTY SOIL CONSERVATION DISTRICT APPROVAL.
6. DUST CONTROL WILL BE PROVIDED FOR ALL DISTURBED AREAS. REFER TO '2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL', PG. H-22 FOR ACCEPTABLE METHODS SPECIFICATIONS FOR DUST CONTROL.
7. ANY VARIATIONS FROM THE SEQUENCE OF OPERATIONS STATED ON THIS PLAN REQUIRES THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR AND THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT PRIOR TO THE INITIATION OF THE CHANGE.
8. EXCESS CUT OR BORROW MATERIAL SHALL GO TO, OR COME FROM, RESPECTIVELY, A SITE WITH AN OPEN GRADING PERMIT AND APPROVED SEDIMENT CONTROL PLAN.
9. THE FOLLOWING ITEM MAY BE USED AS APPLICABLE: REFER TO 'MARYLAND GUIDELINES TO WATERWAY CONSTRUCTION' BY THE WATER MANAGEMENT ADMINISTRATION OF THE MARYLAND DEPARTMENT OF THE ENVIRONMENT, REVISED NOVEMBER 2000, FOR STANDARD DETAILS AND DETAILED SPECIFICATIONS OF EACH PRACTICE HEREIN FOR WATERWAY CONSTRUCTION.
10. PUMPING SEDIMENT-LADEN WATER INTO WATERS OF THE STATE IS STRICTLY PROHIBITED ANY WHEN SURFACED VERTICALLY WITH A FIRM GRASS OR OTHER TYPE OF SECTION.
11. SITE INFORMATION:
TOTAL AREA OF SITE: 297,508 ACRES
TOTAL LIMITS OF DISTURBANCE: 5 S.F. / 7 X ACRES
TOTAL CUT: 8 CUBIC YARDS\*
TOTAL FILL: 4 CUBIC YARDS\*
NET FILL: 0 CUBIC YARDS\*
\* THE CUT/FILL CALCULATIONS SHOWN ARE FOR SEDIMENT CONTROL PURPOSES ONLY THE CONTRACTOR SHALL DEVELOP HIS/HER OWN QUANTITIES FOR BIDDING PURPOSES.

SEQUENCE OF OPERATIONS

- 1. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, SEDIMENT CONTROL (410) 887-3226 AT LEAST 48 HOURS PRIOR TO BEGINNING WORK.
2. IF APPLICABLE, ORANGE HIGH VISIBILITY FENCE SHALL BE MANUALLY INSTALLED ALONG THE LIMITS OF DISTURBANCE, WHERE THE LIMIT IS WITHIN 50 FEET OF THE FOREST BUFFER / CONSERVATION EASEMENT. THIS SHALL BE COMPLETED BY AND INSPECTED.
3. CLEAR AND GRUB AND INSTALL FOR SEDIMENT & EROSION CONTROL MEASURES ONLY. CONTROLS INCLUDE STABILIZED CONSTRUCTION ENTRANCE, TREE PROTECTION, SILT FENCE, SUPER SILT FENCE, SILT FENCE CHECK DAM AND INLET PROTECTION FOR EXISTING INLETS.
4. NOTIFY BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, SEDIMENT CONTROL, UPON COMPLETION OF SAID INSTALLATION.
5. WITH THE APPROVAL OF BALTIMORE COUNTY DEPARTMENT OF PERMITS, APPROVALS AND INSPECTIONS, SEDIMENT CONTROL, AND THE SEDIMENT CONTROL INSPECTOR, CLEAR AND GRUB AND GRADE AS NECESSARY FOR UTILITY CONSTRUCTION (SANITARY, STORM WATER, ELECTRICAL, TELEPHONE, CHILLED WATER) AND NEW BUILDING ADDITIONS. ROUGH GRADE FOR STORM WATER MANAGEMENT FACILITIES. DO NOT EXCAVATE MORE THAN 1 FOOT ABOVE SUB-GRADE ELEVATION. SEE PLAN FOR AREAS REQUIRING DAILY STABILIZATION. SEE MAINTENANCE NOTE.
6. BEGIN CONSTRUCTION OF BUILDING ADDITIONS AND RETAINING WALLS.
7. CONSTRUCT NEW UTILITIES. INSTALL INLET PROTECTION AS SOON AS INLETS ARE CONSTRUCTED.
8. CONSTRUCT CONCRETE PADS, NEW STAIRS AND WALKS.
9. STABILIZE ALL CONTRIBUTING AREA TO SEDIMENT CONTROLS.
10. WITH NOAA FORECASTED 3 DAY DRY PERIOD, EXCAVATE FOR SWM FACILITY (IES) AND CONSTRUCT PER STORM WATER MANAGEMENT DETAILS ON SHEET C401 & C402. INSTALL FINAL PLANTINGS, STABILIZE AREA AROUND FACILITIES WITH SOD OR SOIL STABILIZATION MATTING.
11. UPON STABILIZATION OF THE SITE WITH ESTABLISHED VEGETATION AND WITH PERMISSION OF THE SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE THOSE AREAS DISTURBED BY THIS REMOVAL.
12. SUBMIT AS-BUILT AND CERTIFICATION OF STORM WATER FACILITIES TO BALTIMORE COUNTY.

OWNER'S/DEVELOPER'S CERTIFICATION:

"I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE ALSO CERTIFY THAT THE SITE WILL BE INSPECTED AT THE END OF EACH WORKING DAY, AND THAT ANY NEEDED MAINTENANCE WILL BE COMPLETED SO AS TO INSURE THAT ALL SEDIMENT CONTROL PRACTICES ARE LEFT IN OPERATIONAL CONDITION. I/WE AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS."

SIGNATURE OWNER/DEVELOPER DATE

PRINTED NAME TITLE

CONSULTANTS CERTIFICATION:

"I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT AND THE CURRENT STATE OF MARYLAND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER."

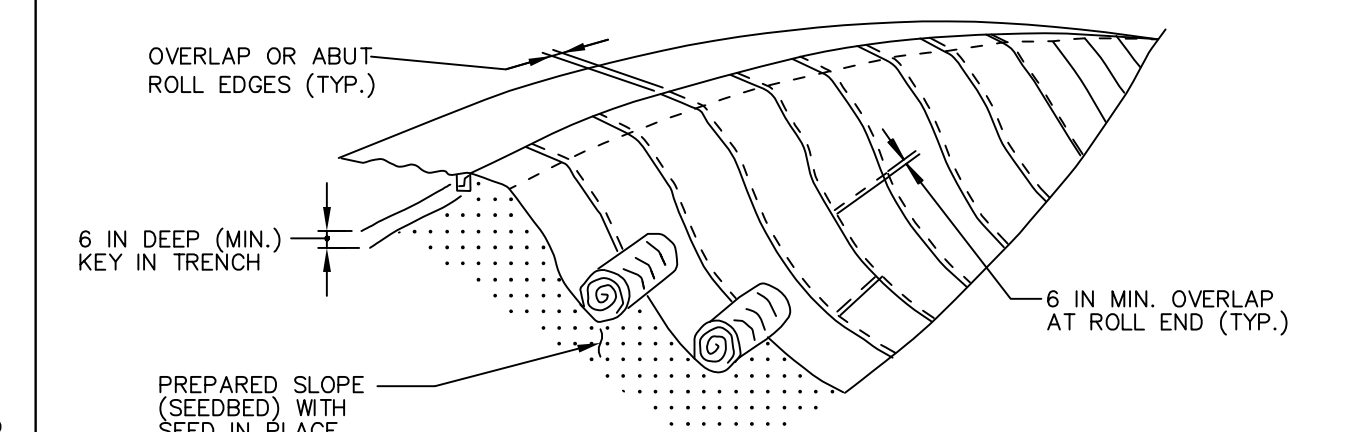
SIGNATURE DATE
BLAINE W. LINKOUS 34682
PRINT NAME MD LICENSE NO.

NOTE TO CONTRACTOR: SEDIMENT AND EROSION CONTROL SHALL BE STRICTLY ENFORCED.

BALTIMORE COUNTY SOIL CONSERVATION DISTRICT
APPROVED FOR SEDIMENT CONTROL
DATE

COORDINATES SHOWN HEREON ARE REFERRED TO THE MARYLAND STATE PLANE COORDINATE SYSTEM (MDS 1991). ELEVATIONS SHOWN HEREON ARE REFERRED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).

DETAIL B-4-6-B TEMPORARY SOIL STABILIZATION MATTING SLOPE APPLICATION



CONSTRUCTION SPECIFICATIONS 1. USE MATTING THAT HAS A DESIGN VALUE FOR SHEAR STRESS EQUAL TO OR HIGHER THAN THE SHEAR STRESS DESIGNATED ON APPROVED PLANS.

2. USE TEMPORARY SOIL STABILIZATION MATTING MADE OF DEGRADABLE (LASTS 6 MONTHS MINIMUM) NATURAL OR MAN-MADE FIBERS (MOSTLY ORGANIC). MAT MUST HAVE UNIFORM THICKNESS AND DISTRIBUTION OF FIBERS THROUGHOUT AND BE SMOOHER RESISTANT CHEMICALS USED IN THE MAT MUST BE NON-LEACHING AND NON-TOXIC TO VEGETATION AND SEED GERMINATION AND NON-INJURIOUS TO THE SKIN, IF PRESENT. NETTING MUST BE EXTRUDED PLASTIC WITH A MAXIMUM MESH OPENING OF 2x2 INCHES AND SUFFICIENTLY BONDED OR SEWN ON 2 INCH CENTERS ALONG LONGITUDINAL AXIS OF THE MATERIAL TO PREVENT SEPARATION OF THE NET FROM THE PARENT MATERIAL.

3. SECURE MATTING USING STEEL STAPLES, WOOD STAKES, OR BIODEGRADABLE EQUIVALENT. STAPLES MUST BE "U" OR "T" SHAPED STEEL WIRE HAVING A MINIMUM GAUGE OF NO. 11 AND NO. 8 RESPECTIVELY. "U" SHAPED STAPLES MUST AVERAGE 1 TO 1 1/2 INCHES WIDE AND BE A MINIMUM OF 6 INCHES LONG. "T" SHAPED STAPLES MUST HAVE A MINIMUM 8 INCH MARK LEG, A MINIMUM 1 INCH SECONDARY LEG, AND A MINIMUM 4 INCH HEAD. WOOD STAKES MUST BE ROUGH-SAWN HARDWOOD, 12 TO 24 INCHES IN LENGTH, 1x3 INCH IN CROSS SECTION, AND WEDGE SHAPED AT THE BOTTOM.

4. PERFORM FINAL GRADING, TOPSOIL APPLICATION, SEEDBED PREPARATION, AND PERMANENT SEEDING IN ACCORDANCE WITH SPECIFICATIONS. PLACE MATTING WITHIN 48 HOURS OF COMPLETING SEEDING OPERATIONS UNLESS END OF WORKDAY STABILIZATION IS SPECIFIED ON THE APPROVED EROSION & SEDIMENT CONTROL PLAN.

5. UNROLL MATTING DOWNSLOPE. LAY MAT SMOOTHLY AND FIRMLY UPON THE SEEDED SURFACE. AVOID STRETCHING THE MATTING.

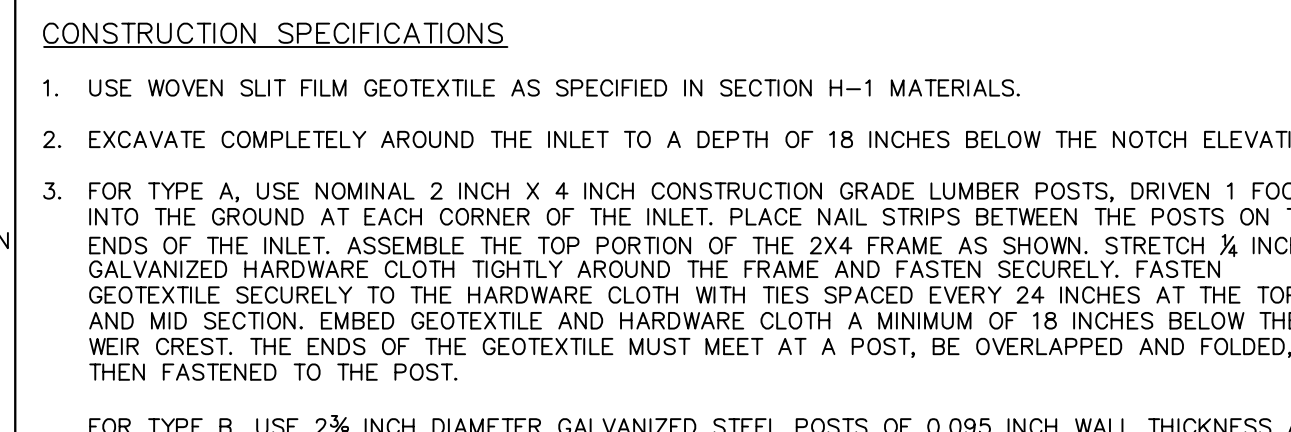
6. OVERLAP OR ABUT ROLL EDGES PER MANUFACTURER RECOMMENDATIONS. OVERLAP ROLL ENDS BY 6 INCHES (MINIMUM), WITH THE UPSLOPE MAT OVERLAPPING ON TOP OF THE DOWNSLOPE MAT.

7. KEY IN THE UPSLOPE END OF MAT 6 INCHES (MINIMUM) BY DIGGING A TRENCH, PLACING THE MATTING ROLL END IN THE TRENCH, STAPLING THE MAT IN PLACE, REPLACING THE EXCAVATED MATERIAL, AND TAMPING TO SECURE THE MAT END IN THE KEY.

8. STAPLE/STAKE MAT IN A STAGGERED PATTERN ON 4 FOOT (MAXIMUM) CENTERS THROUGHOUT AND 2 FOOT (MINIMUM) CENTERS ALONG SEAMS, JOINTS, AND ROLL ENDS.

9. ESTABLISH AND MAINTAIN VEGETATION SO THAT REQUIREMENTS FOR ADEQUATE VEGETATIVE ESTABLISHMENT ARE CONTINUOUSLY MET IN ACCORDANCE WITH SECTION B-4 VEGETATIVE STABILIZATION.

DETAIL E-9-1 STANDARD INLET PROTECTION



CONSTRUCTION SPECIFICATIONS 1. USE WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.

2. EXCAVATE COMPLETELY AROUND THE INLET TO A DEPTH OF 18 INCHES BELOW THE NOTCH ELEVATION.

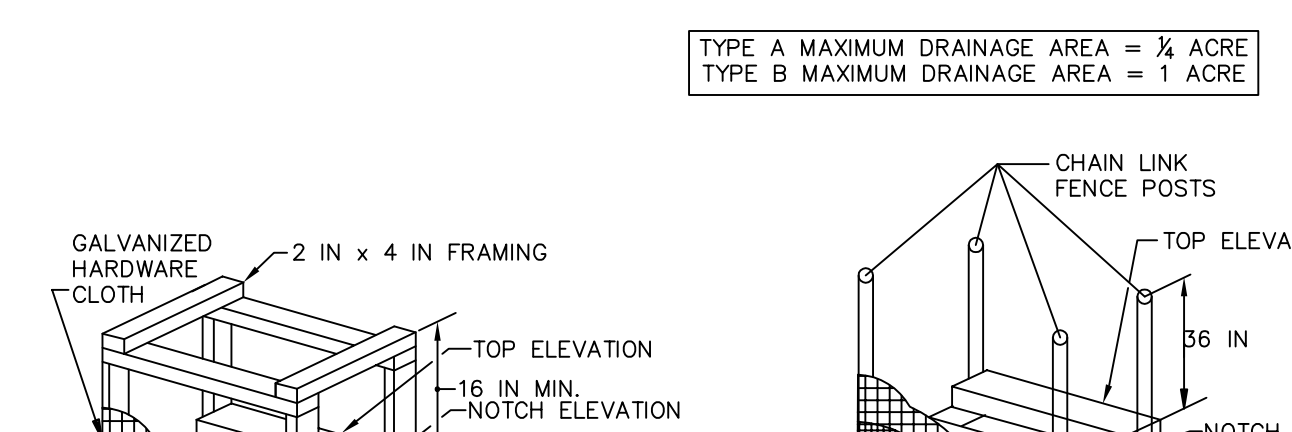
3. FOR TYPE A, USE NOMINAL 2 INCH X 4 INCH CONSTRUCTION GRADE LUMBER POSTS, DRIVEN 1 FOOT INTO THE GROUND AT EACH CORNER OF THE INLET. PLACE NAIL STRIPS BETWEEN THE POSTS ON THE ENDS OF THE INLET. ASSEMBLE THE TOP PORTION OF THE 2X4 FRAME AS SHOWN. STRETCH 3/4 INCH GALVANIZED HARDWARE CLOTH TIGHTLY AROUND THE FRAME AND FASTEN SECURELY. FASTEN GEOTEXTILE SECURELY TO THE HARDWARE CLOTH WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND HARDWARE CLOTH A MINIMUM OF 18 INCHES BELOW THE WEIR CREST. THE ENDS OF THE GEOTEXTILE MUST MEET AT A POST, BE OVERLAPPED AND FOLDED, THEN FASTENED TO THE POST.

FOR TYPE B, USE 2 1/2 INCH DIAMETER GALVANIZED STEEL POSTS OF 0.095 INCH WALL THICKNESS AND 6 FOOT LENGTH, DRIVEN A MINIMUM OF 36 INCHES BELOW THE WEIR CREST AT EACH CORNER OF THE STRUCTURE. FASTEN 6 GAUGE OR HEAVIER CHAIN LINK FENCE, 42 INCHES IN HEIGHT, SECURELY TO THE FENCE POSTS WITH WIRE TIES. FASTEN GEOTEXTILE SECURELY TO THE CHAIN LINK FENCE WITH TIES SPACED EVERY 24 INCHES AT THE TOP AND MID SECTION. EMBED GEOTEXTILE AND CHAIN LINK FENCE A MINIMUM OF 18 INCHES BELOW THE WEIR CREST.

4. BACKFILL AROUND THE INLET IN LOOSE 4 INCH LIFTS AND COMPACT UNTIL SOIL IS LEVEL WITH THE NOTCH ELEVATION ON THE ENDS AND TOP ELEVATION ON THE SIDES.

5. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

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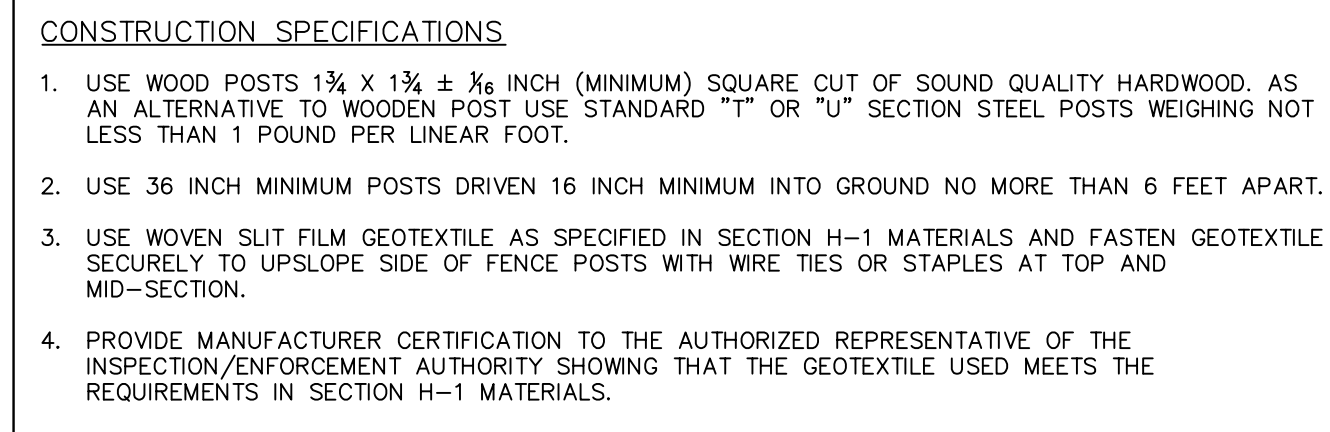
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DETAIL E-1 SILT FENCE



CONSTRUCTION SPECIFICATIONS 1. USE WOOD POSTS 1 1/2 X 1 1/2 X 3/4 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.

2. USE 36 INCH MINIMUM POSTS DRIVEN 16 INCH MINIMUM INTO GROUND NO MORE THAN 6 FEET APART.

3. USE WOVEN SILT FILM GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS AND FASTEN GEOTEXTILE SECURELY TO UPSLOPE SIDE OF FENCE POSTS WITH WIRE TIES OR STAPLES AT TOP AND MID-SECTION.

4. PROVIDE MANUFACTURER CERTIFICATION TO THE AUTHORIZED REPRESENTATIVE OF THE INSPECTION/ENFORCEMENT AUTHORITY SHOWING THAT THE GEOTEXTILE USED MEETS THE REQUIREMENTS IN SECTION H-1 MATERIALS.

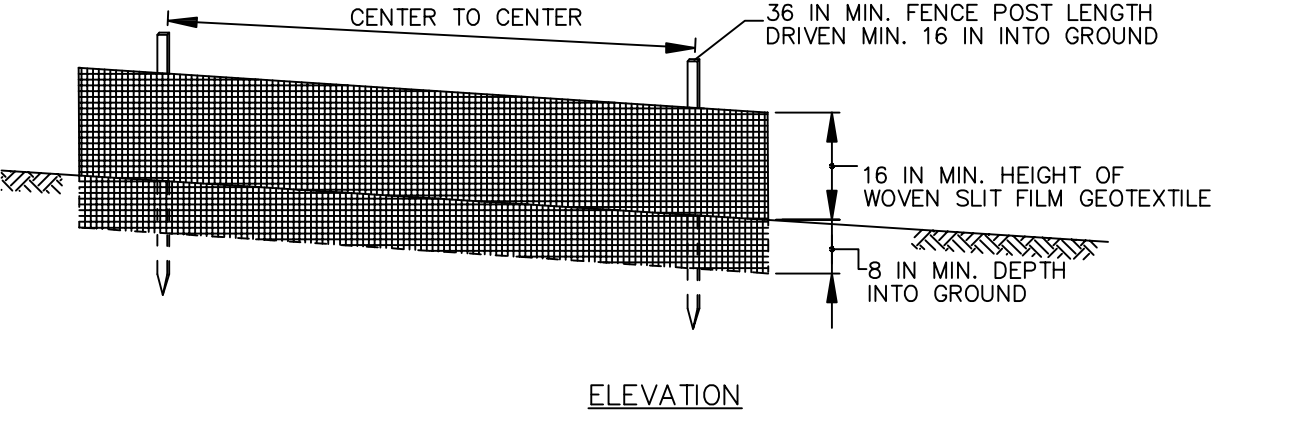
5. EMBED GEOTEXTILE A MINIMUM OF 8 INCHES VERTICALLY INTO THE GROUND. BACKFILL AND COMPACT THE SOIL ON BOTH SIDES OF THE FENCE.

6. WHERE TWO SECTIONS OF GEOTEXTILE ADJOIN: OVERLAP, TWIST, AND STAPLE TO POST IN ACCORDANCE WITH THIS DETAIL.

7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.

8. REMOVE ACCUMULATED SEDIMENT AND DEBRIS WHEN BULGES DEVELOP IN SILT FENCE OR WHEN SEDIMENT REACHES 25% OF FENCE HEIGHT. REPLACE GEOTEXTILE IF TORN. IF UNDERMINING OCCURS, REINSTALL FENCE.

DETAIL E-1 SILT FENCE



CONSTRUCTION SPECIFICATIONS 1. USE WOOD POSTS 1 1/2 X 1 1/2 X 3/4 INCH (MINIMUM) SQUARE CUT OF SOUND QUALITY HARDWOOD. AS AN ALTERNATIVE TO WOODEN POST USE STANDARD "T" OR "U" SECTION STEEL POSTS WEIGHING NOT LESS THAN 1 POUND PER LINEAR FOOT.

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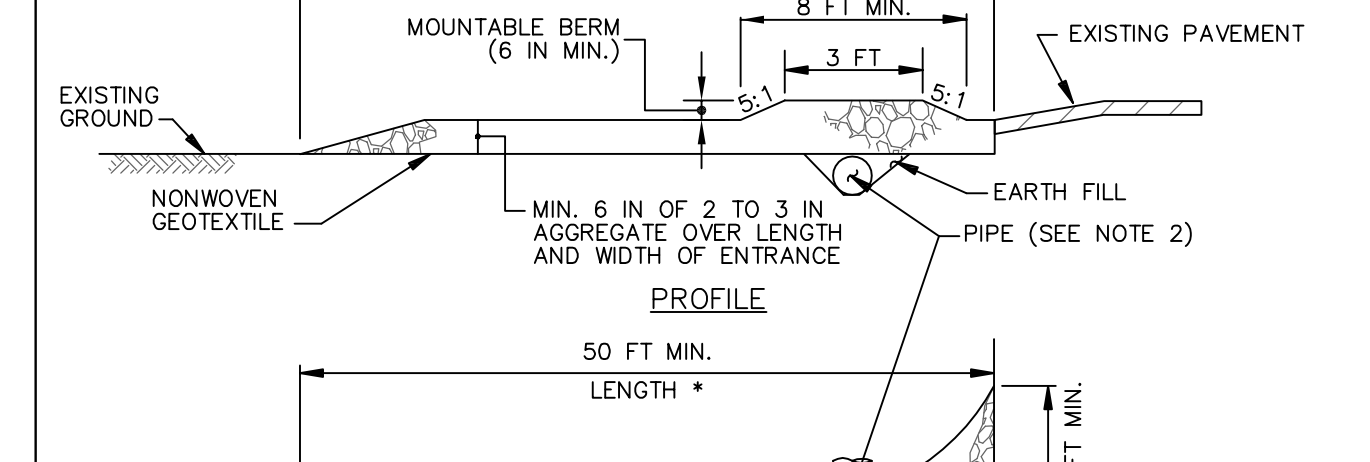
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7. EXTEND BOTH ENDS OF THE SILT FENCE A MINIMUM OF FIVE HORIZONTAL FEET UPSLOPE AT 45 DEGREES TO THE MAIN FENCE ALIGNMENT TO PREVENT RUNOFF FROM GOING AROUND THE ENDS OF THE SILT FENCE.

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DETAIL B-1 STABILIZED CONSTRUCTION ENTRANCE



CONSTRUCTION SPECIFICATIONS 1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN. VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (50 FEET FOR SINGLE RESIDENCE LOT). USE MINIMUM WIDTH OF 10 FEET. FLARE SCE TO 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.

2. PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE. MAINTAIN POSITIVE DRAINAGE. PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE. PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN. WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY. A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT.

3. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.

4. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE.

5. MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE. MOUNTABLE BERM, AND SPECIFIED DIMENSIONS, IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACUUMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE. UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

DETAIL E-9-2 AT-GRADE INLET PROTECTION



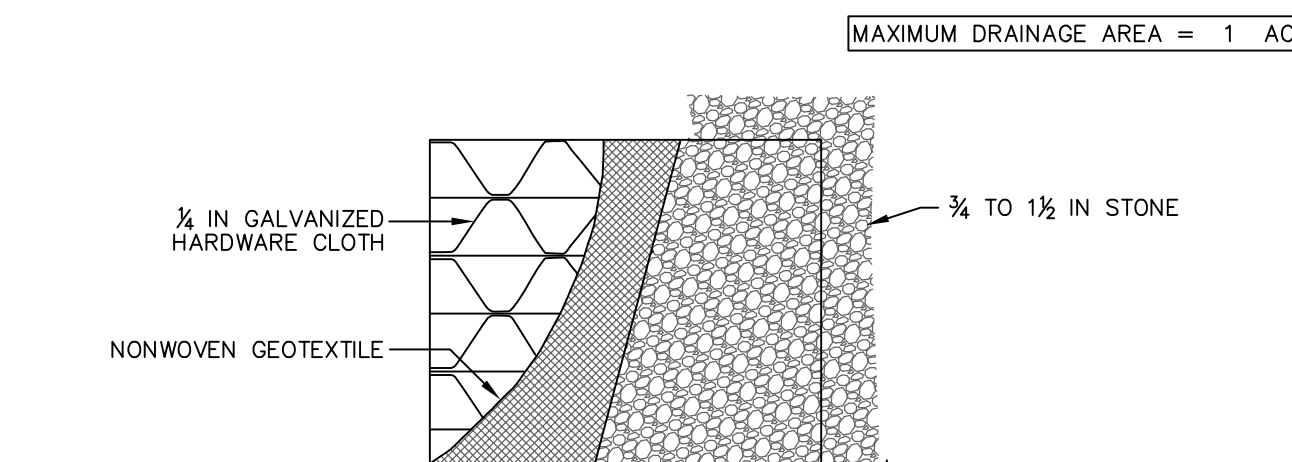
CONSTRUCTION SPECIFICATIONS 1. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.

2. LIFT GRATE AND WRAP WITH NONWOVEN GEOTEXTILE TO COMPLETELY COVER ALL OPENINGS. SECURE WITH WIRE TIES AND SET GRATE BACK IN PLACE.

3. PLACE 2 TO 3 INCH STONE OR EQUIVALENT RECYCLED CONCRETE 6 INCHES THICK ON THE GRATE.

4. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

DETAIL E-9-2 AT-GRADE INLET PROTECTION



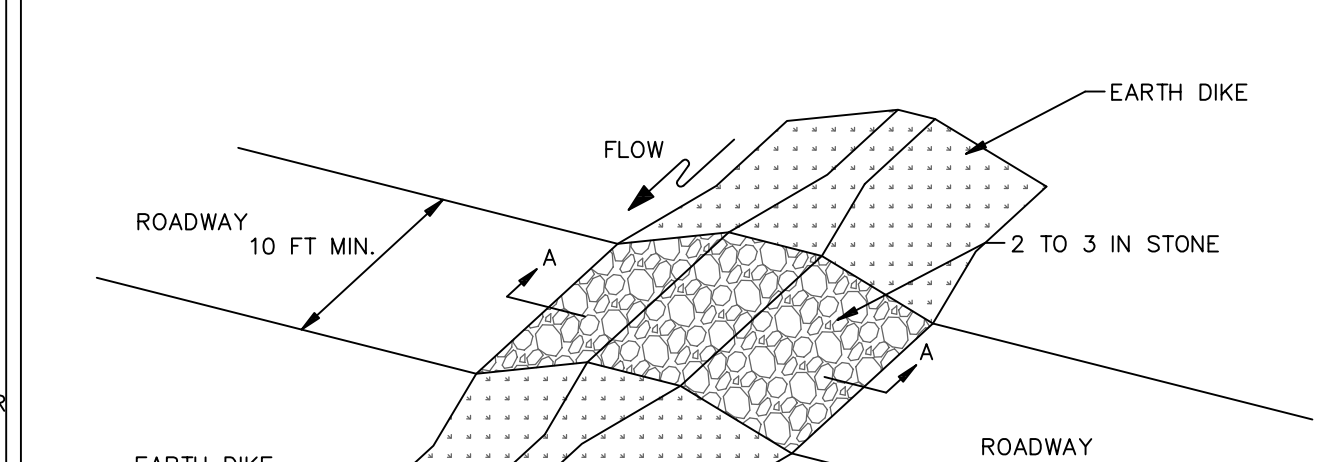
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DETAIL C-8 MOUNTABLE BERM



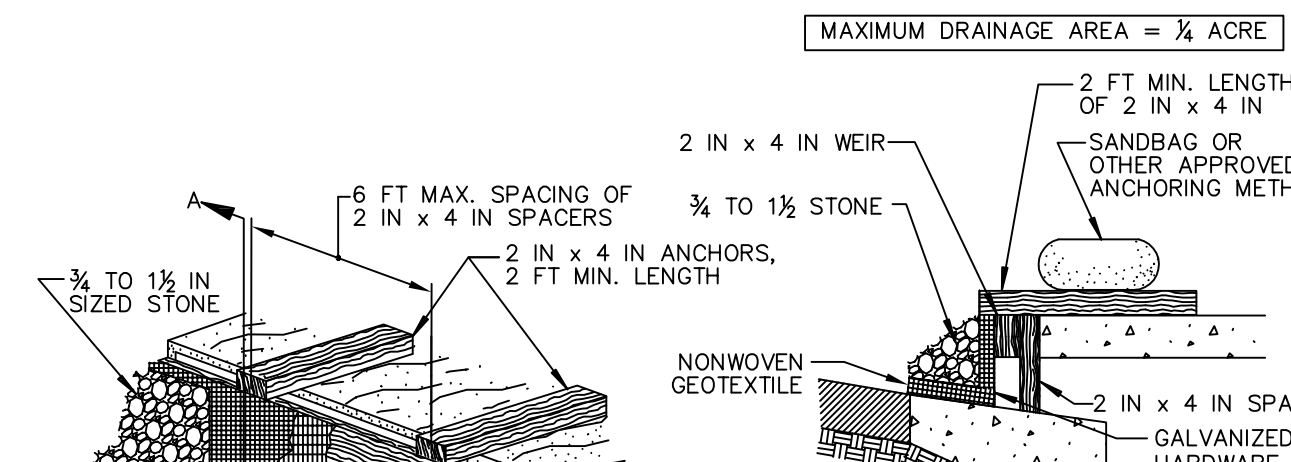
CONSTRUCTION SPECIFICATIONS 1. USE MINIMUM WIDTH OF 10 FEET TO ALLOW FOR VEHICULAR PASSAGE.

2. PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS, OVER THE EARTH MOUND PRIOR TO PLACING STONE.

3. PLACE 2 TO 3 INCH STONE OR EQUIVALENT RECYCLED CONCRETE AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE MOUNTABLE BERM.

4. MAINTAIN LINE, GRADE, AND CROSS SECTION. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN SPECIFIED DIMENSIONS. REMOVE ACCUMULATED SEDIMENT AND DEBRIS. MAINTAIN POSITIVE DRAINAGE.

DETAIL E-9-3 CURB INLET PROTECTION



CONSTRUCTION SPECIFICATIONS 1. USE NOMINAL 2 INCH X 4 INCH LUMBER.

2. USE NONWOVEN GEOTEXTILE AS SPECIFIED IN SECTION H-1 MATERIALS.

3. NAIL THE 2x4 WEIR TO 9 INCH LONG VERTICAL SPACERS (MAXIMUM 6 FEET APART).

4. ATTACH A CONTINUOUS PIECE OF 3/4 INCH GALVANIZED HARDWARE CLOTH, WITH A MINIMUM WIDTH OF 30 INCHES AND A MINIMUM LENGTH OF 4 FEET LONGER THAN THE THROAT OPENING, TO THE 2x4 WEIR, EXTENDING IT 2 FEET BEYOND THROAT ON EACH SIDE.

5. PLACE A CONTINUOUS PIECE OF NONWOVEN GEOTEXTILE OF THE SAME DIMENSIONS AS THE HARDWARE CLOTH OVER THE HARDWARE CLOTH AND SECURELY ATTACH TO THE 2x4 WEIR.

6. PLACE THE ASSEMBLY AGAINST THE INLET THROAT AND NAIL TO 2x4 ANCHORS (MINIMUM 2 FEET LENGTH). EXTEND THE ANCHORS ACROSS THE INLET TOP AND HOLD IN PLACE BY SANDBAGS OR OTHER APPROVED ANCHORING METHOD.

7. INSTALL END SPACERS A MINIMUM OF 1 FOOT BEYOND THE ENDS OF THE THROAT OPENING.

8. FORM THE HARDWARE CLOTH AND THE GEOTEXTILE TO THE CONCRETE GUTTER AND FACE OF CURB TO SPAN THE INLET OPENING. COVER THE HARDWARE CLOTH AND GEOTEXTILE WITH CLEAN 3/4 TO 1 1/2 INCH STONE OR EQUIVALENT RECYCLED CONCRETE.

9. AT NON-SUMP LOCATIONS, INSTALL A TEMPORARY SANDBAG OR ASPHALT BERM TO PREVENT INLET BYPASS.

10. STORM DRAIN INLET PROTECTION REQUIRES FREQUENT MAINTENANCE. REMOVE ACCUMULATED SEDIMENT AFTER EACH RAIN EVENT TO MAINTAIN FUNCTION AND AVOID PREMATURE CLOGGING. IF INLET PROTECTION DOES NOT COMPLETELY DRAIN WITHIN 24 HOURS AFTER A STORM EVENT, IT IS CLOGGED. WHEN THIS OCCURS, REMOVE ACCUMULATED SEDIMENT AND CLEAN, OR REPLACE GEOTEXTILE AND STONE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011 MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

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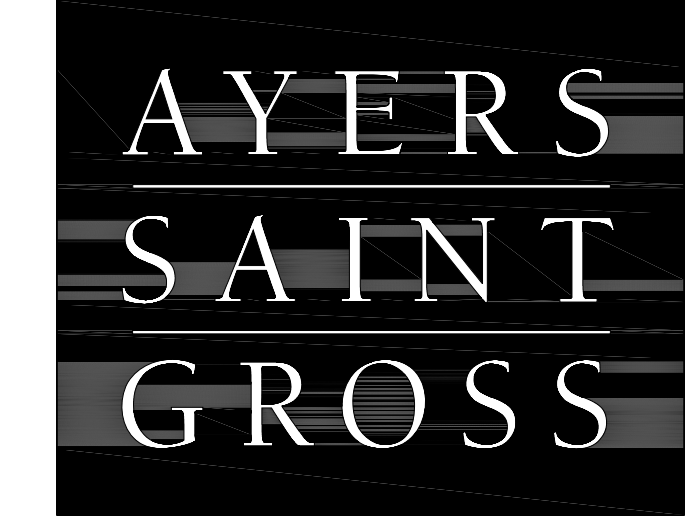
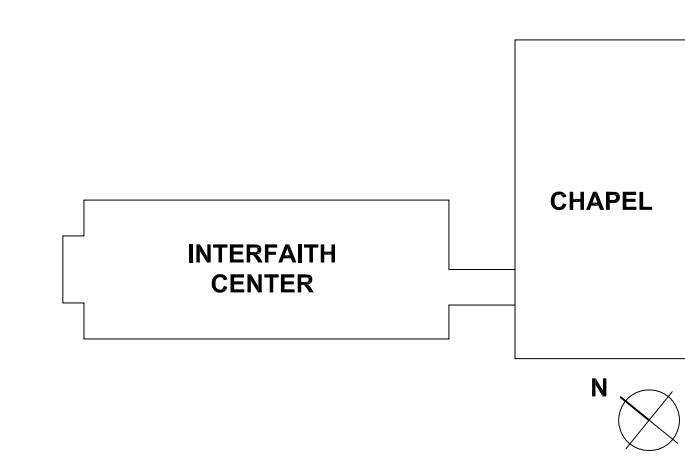
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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

**NOT FOR CONSTRUCTION**

DRAWING INFORMATION	
ISSUE DATE:	04/27/17
SCALE:	1"=10'
JOB NO.:	21641.00
DRAWN BY:	NG

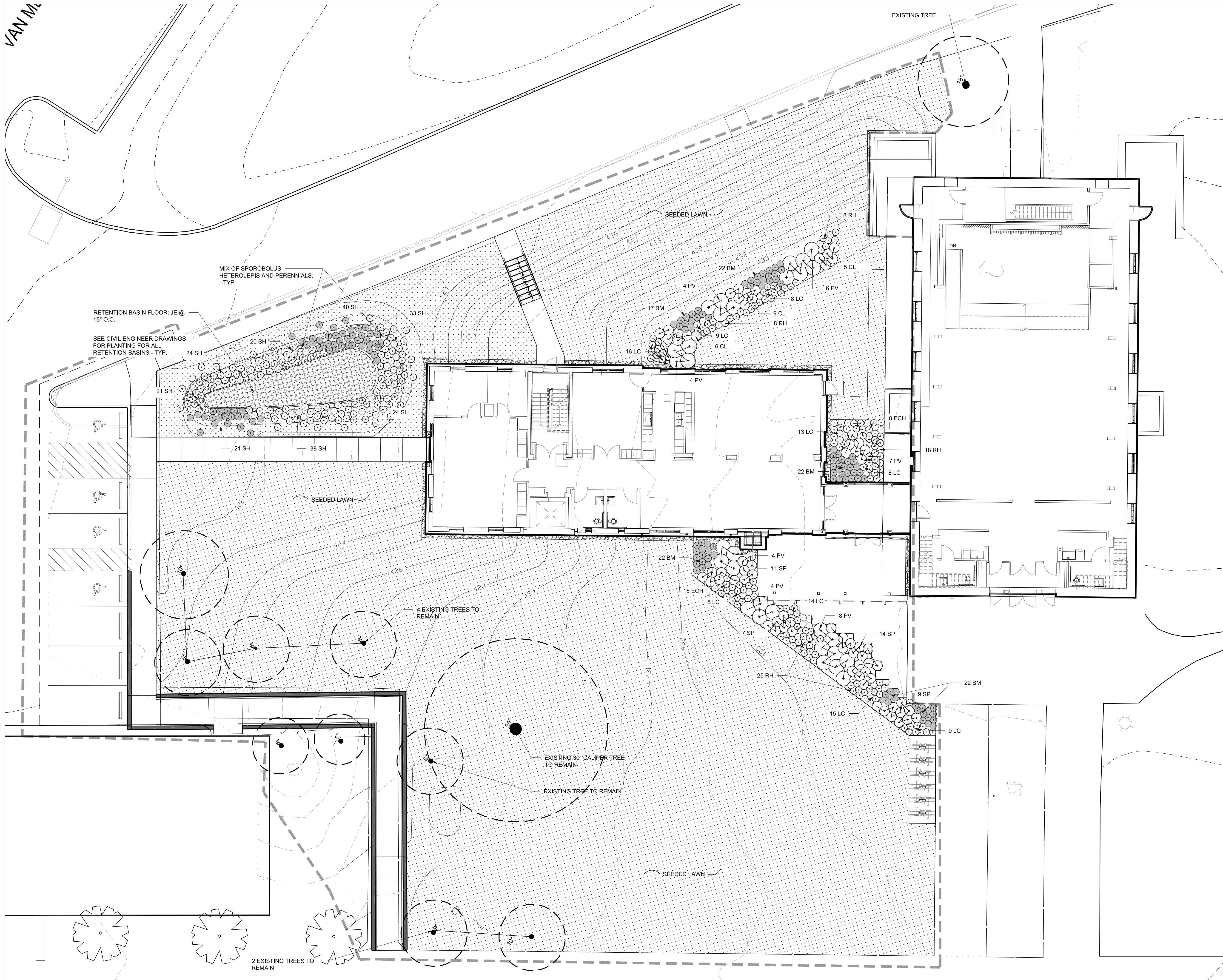
PROJECT DESIGN PHASE  
**50% CONSTRUCTION DRAWINGS**

DRAWING NAME  
**PLANTING PLAN**

DRAWING NUMBER  
**L3.00**

**LEGEND**

- LIMIT OF WORK LINE
- (Circle with dot) EXISTING TREE TO REMAIN  
SEE CIVIL DRAWINGS
- (Circle with cross-hatch) GRASS AND PERENNIAL PLANTINGS  
SEE PLANTING DETAIL 4/LA4.03
- (Dotted pattern) SEEDED LAWN
- (Grid pattern) MICRO-BIORETENTION FLOOR MIX  
SEE PLANTING DETAIL 2/LA4.03



**GENERAL NOTES:**

1. CONTRACTOR SHALL NOTIFY ALL UTILITIES AT LEAST (5) DAYS BEFORE STARTING WORK. ALL GENERAL NOTES, ESPECIALLY THOSE REGARDING UTILITIES ON SHEET 1 SHALL APPLY.
2. FIELD VERIFY UNDERGROUND UTILITY LOCATIONS AND EXISTING CONDITIONS BEFORE STARTING PLANTING WORK. CONTACT CONSTRUCTION MANAGER OR OWNER IF ANY RELOCATIONS ARE REQUIRED.
3. THE CONTRACTOR SHALL PROVIDE ALL MATERIALS, LABOR AND EQUIPMENT TO COMPLETE ALL LANDSCAPE WORK AS SHOWN ON THE PLANS AND SUPPORTING TEXT.
4. CONTRACTOR SHALL NOTIFY ALL NECESSARY UTILITY COMPANIES 48 HOURS MINIMUM PRIOR TO DIGGING FOR VERIFICATION OF ALL UNDERGROUND UTILITIES, IRRIGATION AND OTHER ELEMENTS AND COORDINATE WITH THE OWNER'S REPRESENTATIVE PRIOR TO INITIATING OPERATIONS. DRAWINGS ARE PREPARED ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARING THESE DOCUMENTS.
5. CONTRACTOR SHALL FAMILIARIZE HIMSELF/HERSELF WITH EXISTING SITE CONDITIONS PRIOR TO INITIATING CONSTRUCTION. ALL EXISTING ROADS, PARKING LOTS, CURBS, UTILITIES SEWERS AND OTHER ELEMENTS TO REMAIN SHALL BE FULLY PROTECTED FROM ANY DAMAGE UNLESS OTHERWISE NOTED.
6. REPORT ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DRAWINGS AND FIELD CONDITIONS TO THE OWNER'S REPRESENTATIVE IMMEDIATELY. FOLLOW THE OWNER'S REPRESENTATIVE'S INSTRUCTIONS ON RESOLVING ANY DISCREPANCIES.
7. CONTRACTOR SHALL COORDINATE ALL WORK WITH RELATED CONTRACTORS AND WITH THE GENERAL CONSTRUCTION OF THE PROJECT IN ORDER NOT TO IMPEDE THE PROGRESS OF THE WORK OF OTHERS OR THE CONTRACTOR'S OWN WORK.
8. CONTRACTOR SHALL PROVIDE ALL NECESSARY SAFETY MEASURES DURING CONSTRUCTION OPERATIONS TO PROTECT THE PUBLIC ACCORDING TO ALL APPLICABLE CODES AND RECOGNIZED LOCAL PRACTICES.
9. CONTRACTOR SHALL COORDINATE ACCESS AND STAGING AREAS WITH THE OWNER'S REPRESENTATIVE.
10. ALL PAVEMENT JOINTS ARE TO BE PARALLEL, PERPENDICULAR OR TANGENT TO ADJACENT LINES UNLESS NOTED OTHERWISE. FIELD LAYOUT CURVILINEAR JOINTS AS INDICATED ON THE DRAWINGS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION.
11. ALL PAVEMENT SHALL BE STAKED IN THE FIELD USING LAYOUT GEOMETRY INDICATED ON THE SITE LAYOUT PLANS. PRIOR TO CONSTRUCTION ALIGNMENT MAY BE ADJUSTED TO ACCOMMODATE EXISTING DRAIN INLETS, MANHOLES, OR OTHER SITE ELEMENTS.
12. MAINTAIN ALL EXISTING EROSION AND SEDIMENTATION CONTROL MEASURES (SILT FENCE, ORANGE GEO FENCE AND/ OR OTHER MEASURES) DURING CONSTRUCTION. PROVIDE ADDITIONAL MEASURES AS NECESSARY TO MINIMIZE ADVERSE IMPACTS TO THE WATER BODIES, EXISTING PARKING LOTS, ETC. ACCORDING TO ALL APPLICABLE FEDERAL/ STATE LAW AND REGULATIONS.
13. REFER TO CIVIL ENGINEER'S GRADING PLANS FOR PAVEMENT ELEVATIONS. MATCH GRADES WITH EXISTING CONDITIONS. MAKE SURE THAT ABUTTING PAVEMENT SURFACES ARE FLUSH WITHIN 1/8" TOLERANCES.
14. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL/ PROTECTION BY LOCALLY APPROVED MEANS AND MAINTAINING EROSION CONTROLS ALREADY IN PLACE. CONTRACTOR SHALL ADHERE TO ALL GOVERNING CODES AND REQUIREMENTS.
15. ALL DIMENSIONS ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.
16. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE LOCATION OF ALL DRAIN INLETS, CATCH BASINS, YARD DRAINS AND MANHOLES INDICATED ON THE PLANS UNDER PREVIOUS CONSTRUCTION.
17. ALL PAVEMENT SURFACES SHALL BE CONSTRUCTED TO POSITIVELY DRAIN AWAY FROM VERTICAL ELEMENTS SUCH AS BUILDINGS, WALLS, COLUMNS, ETC. TOWARD AND INTO DRAINAGE STRUCTURES SHOWN ON THE CIVIL ENGINEER'S DRAWINGS.
18. WALLS AND ALL WALKS ARE TO BE STAKED IN THE FIELD AND FINAL LOCATIONS TO BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
19. REFER TO CIVIL ENGINEER'S DRAWINGS FOR OVERALL SITE LAYOUT AND GRADING.
20. WRITTEN DIMENSIONS WILL PREVAIL IN THESE DRAWINGS. DO NOT SCALE FROM THESE PLANS.

**1 PLANTING PLAN**

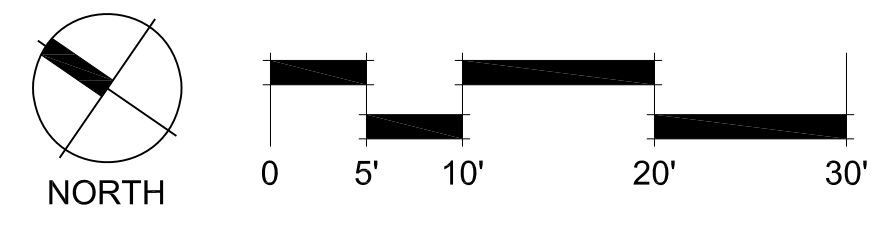
**PLANT SCHEDULE**

**GRASSES**

KEY	BOTANICAL/COMMON NAME	ROOT	SIZE	SPACING
CL	Chasmanthium latifolium Wood oats	Cont.	#1	as shown
JE	Juncus effusus Common rush	Plug	LP50	15" O.C.
PV	Panicum virgatum 'Shenandoah' Red Switch Grass	Cont.	#1	30" O.C.
SH	Sporobolus heterolepis Prairie dropseed	Cont.	#1	as shown

**PERENNIALS**

KEY	BOTANICAL/COMMON NAME	ROOT	SIZE	SPACING
BM	Baptisia 'Midnight' Midnight Prairie Blues	Plug	LP50	12" O.C.
ECH	Echinacea purpurea Purple Cone Flower	Plug	LP50	AS SHOWN
LC	Lobelia cardinalis Cardinal flower	Plug	LP50	AS SHOWN
RH	Rudbeckia hirta Blackeyed Susan	Plug	LP50	AS SHOWN
PHV	Physostegia virginiana Oxident plant	Plug	LP50	12" O.C.
SH	Sporobolus heterolepis Prairie dropseed	Plug	LP50	AS SHOWN
TV	Tradescantia virginiana common Virginia spiderwort	Plug	LP50	18" O.C.



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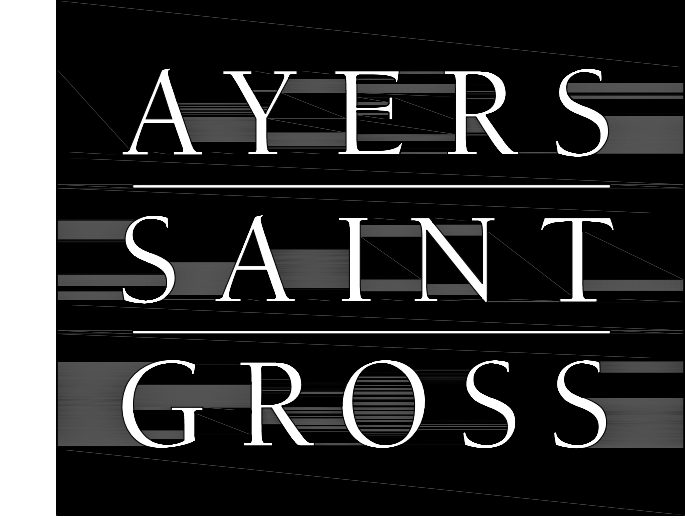
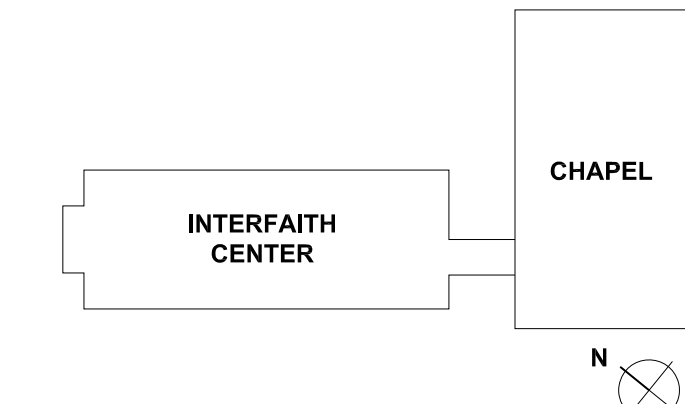
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REV. #	DESCRIPTION	DATE

**KEY PLAN**



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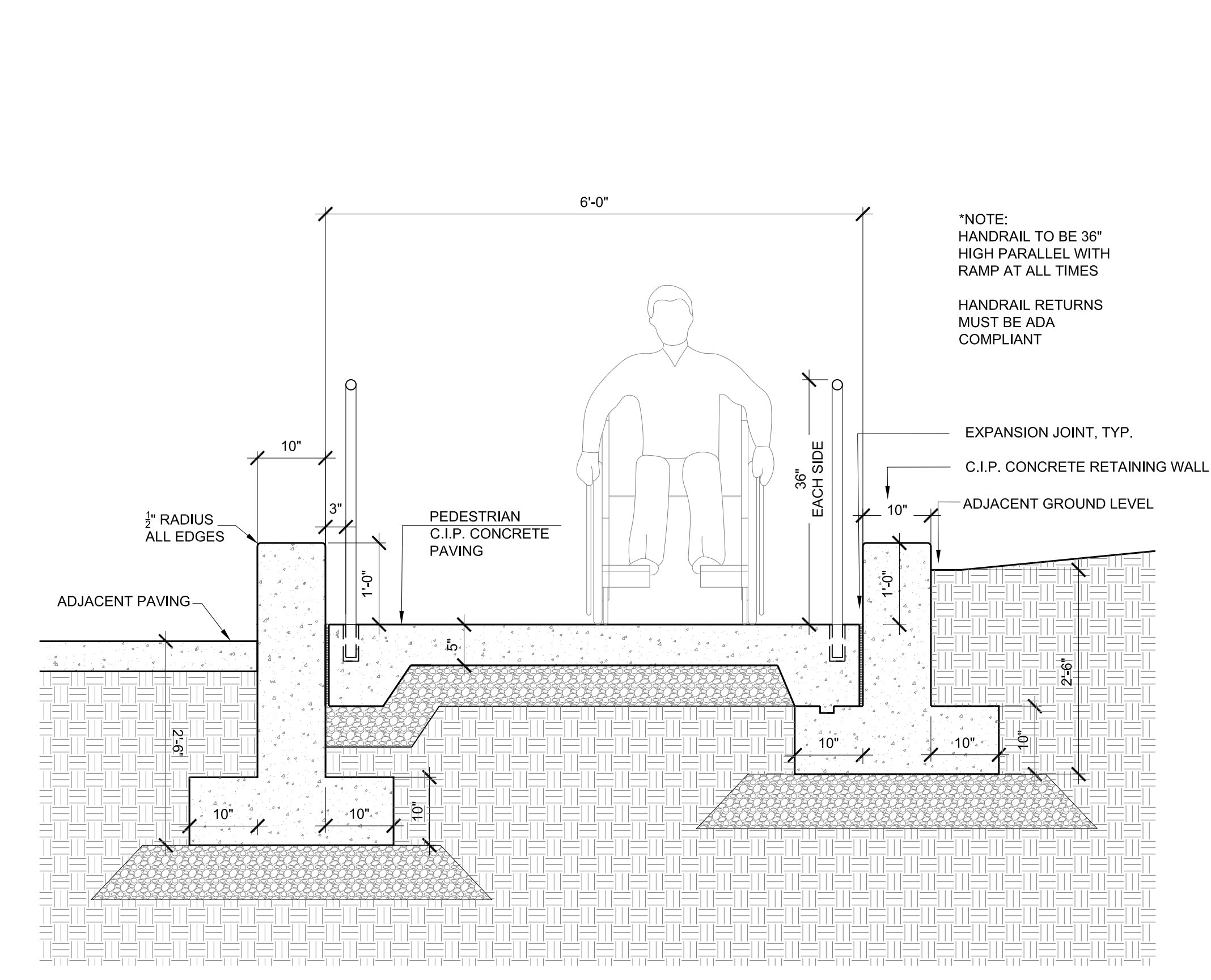
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ISSUE DATE:	04/28/17
SCALE:	VARIES
JOB NO.:	21641.00
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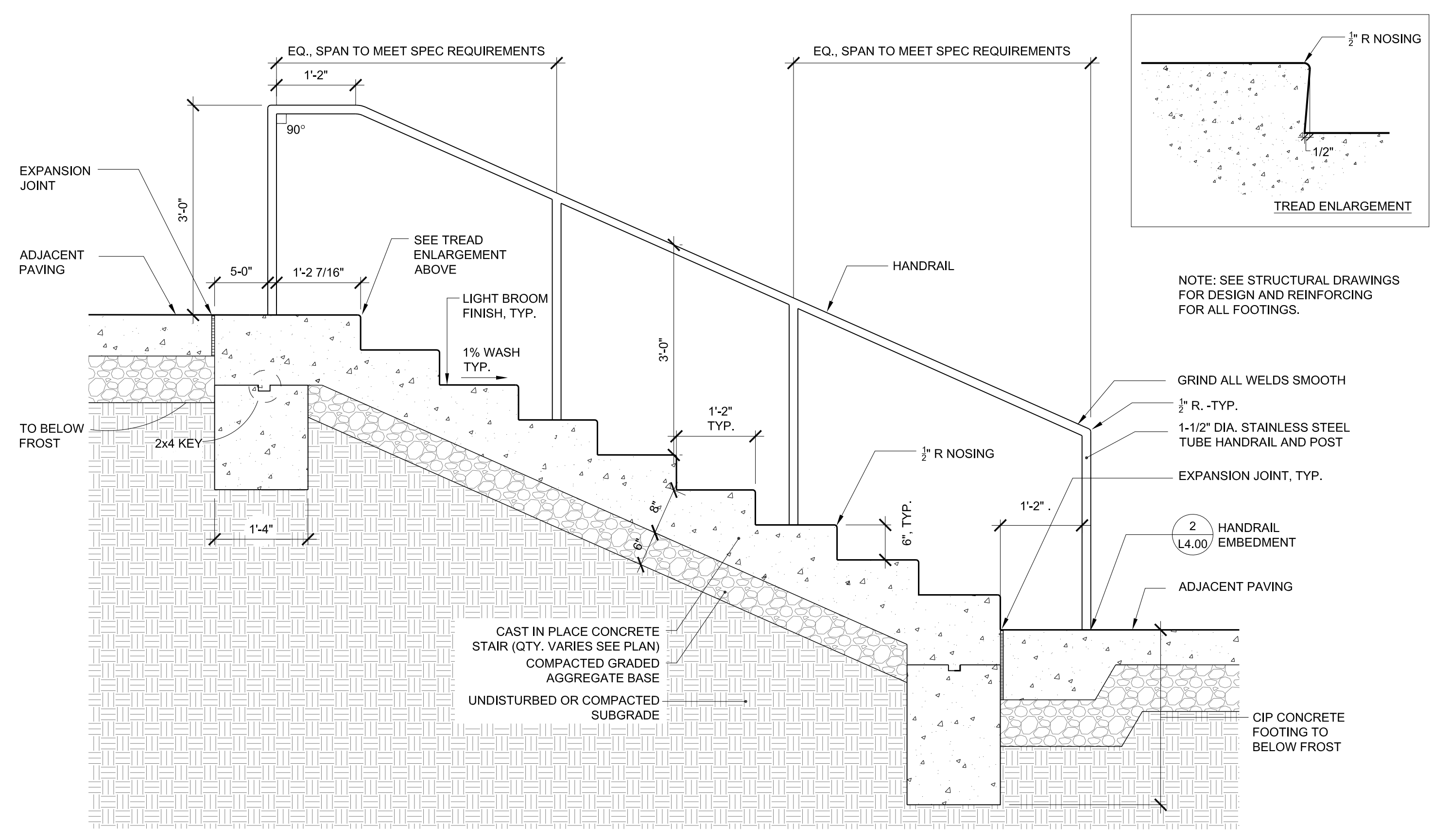
**PROJECT DESIGN PHASE**  
50% CONSTRUCTION DOCUMENTS

**DRAWING NAME**  
DETAILS

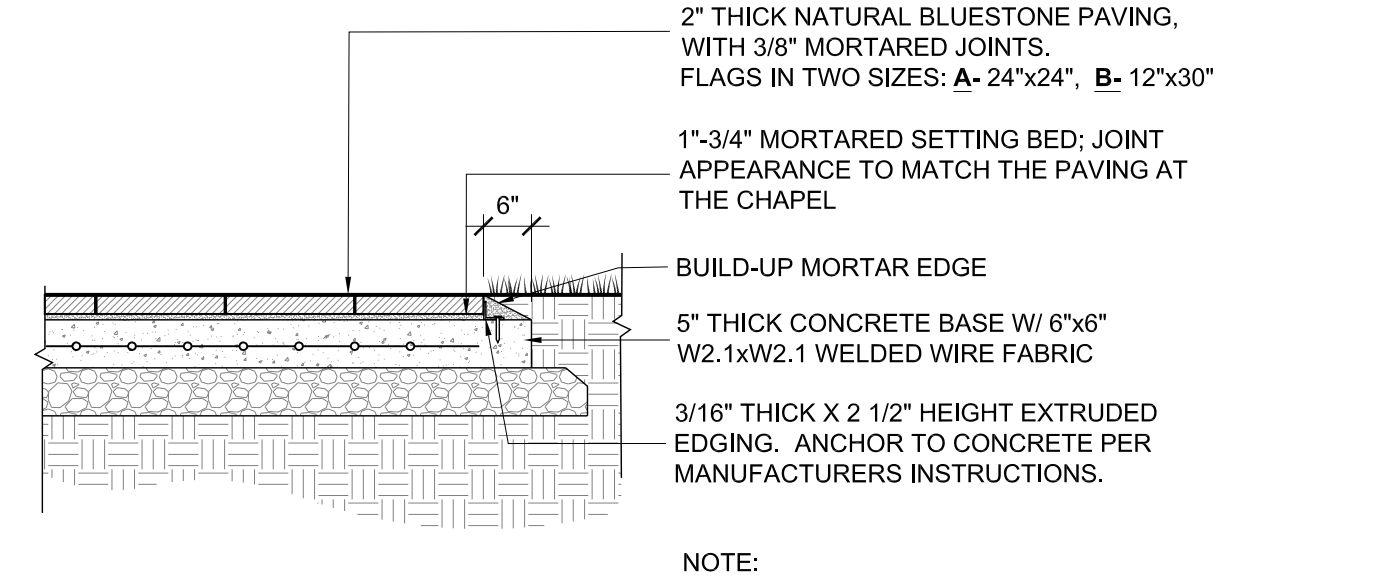
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L4.00



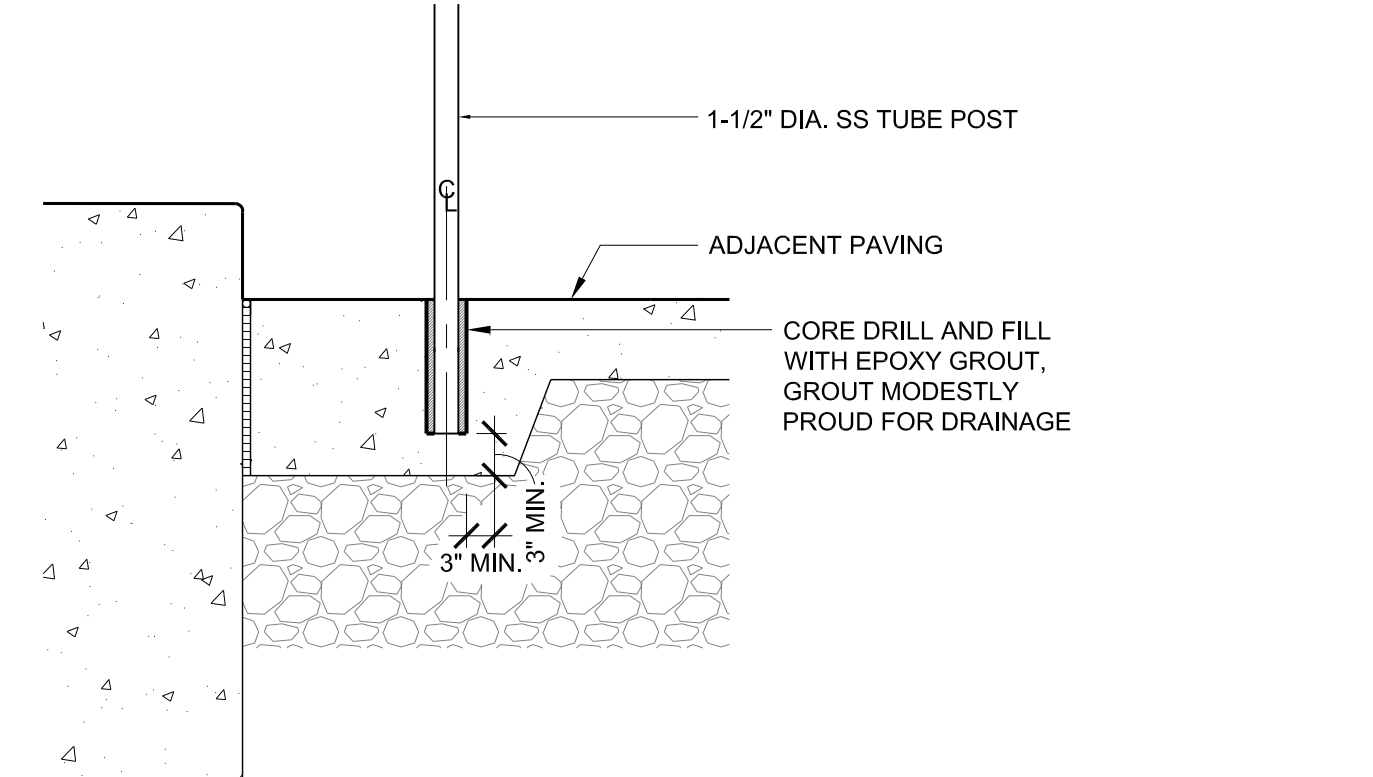
**4 ADA RAMP SECTION** 3/4" = 1'-0"



**3 CIP CONCRETE STEPS WITH HANDRAIL SECTION** 3/4" = 1'-0"



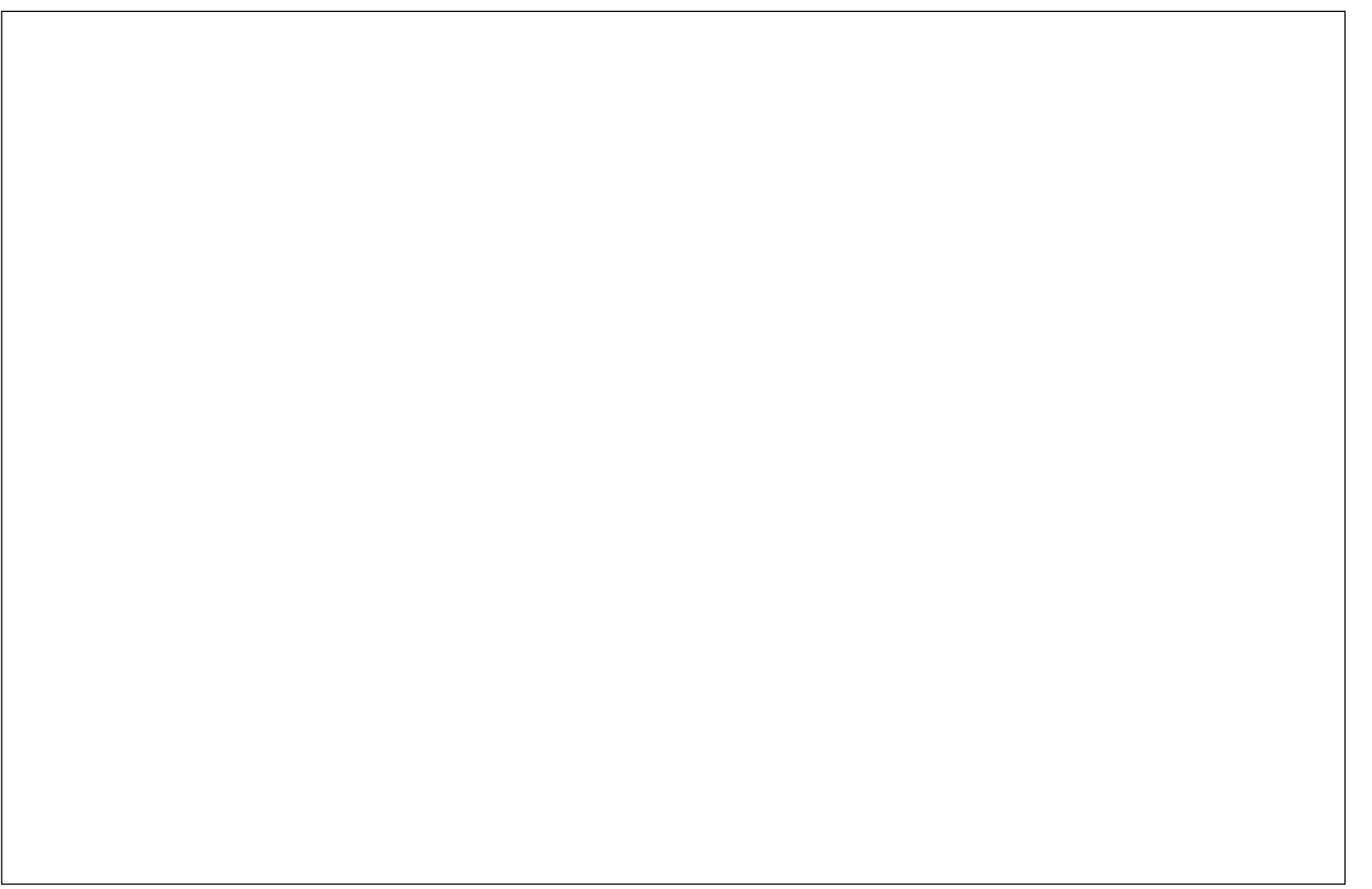
**1 BLUE STONE PAVING SECTION** 1/2" = 1'-0"



**2 HANDRAIL EMBEDMENT SECTION** 1" = 1'-0"



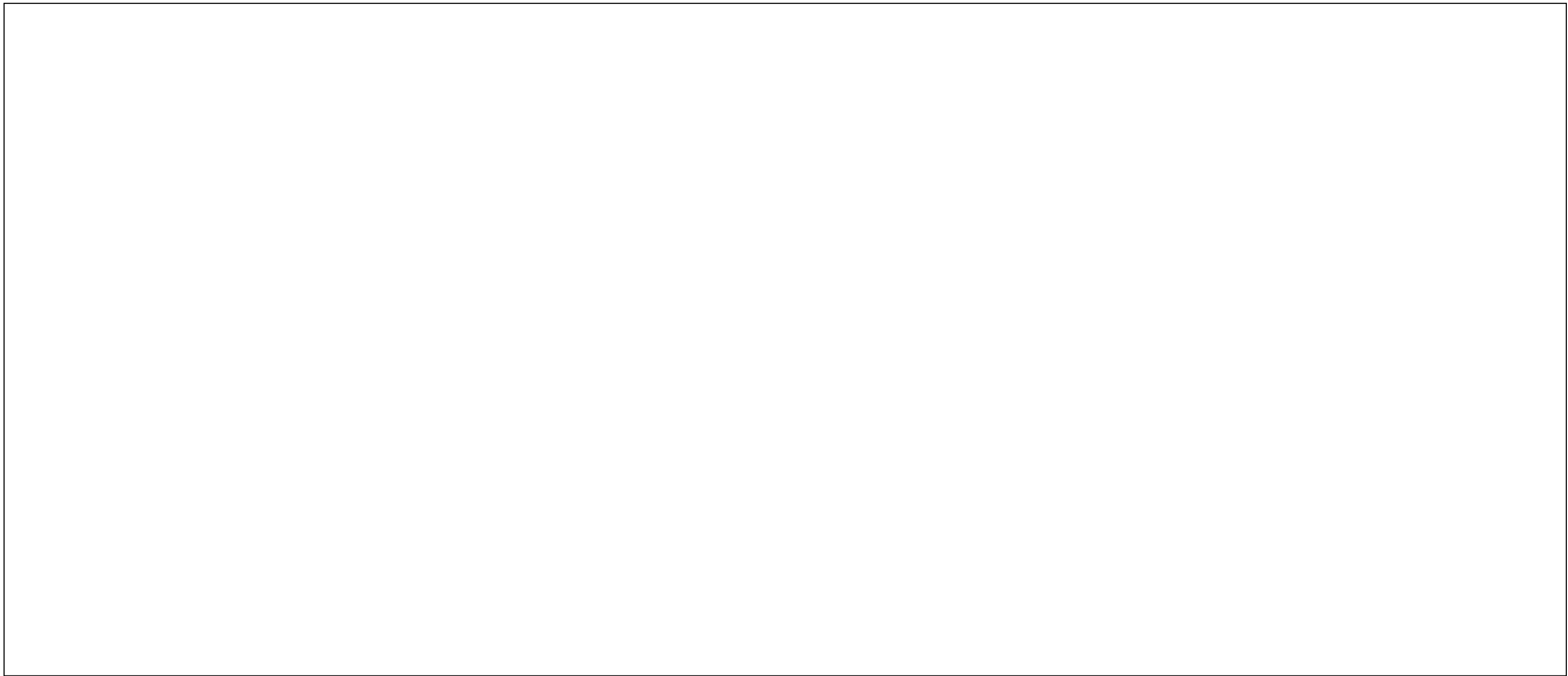
**5 ADA RAMP ELEVATION** 1" = 1'-0"



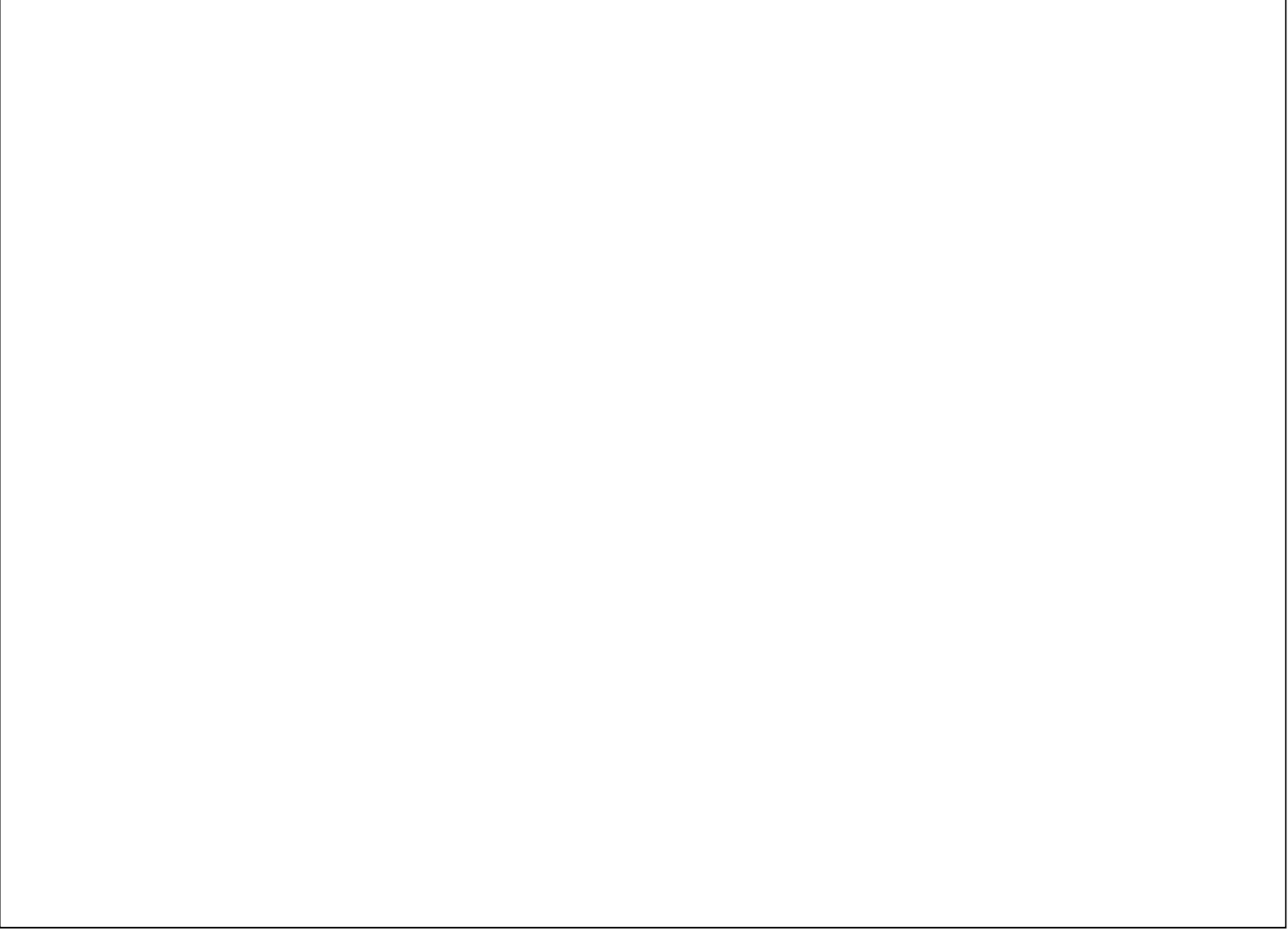
**6 ADA RAMP ELEVATION** 1" = 1'-0"



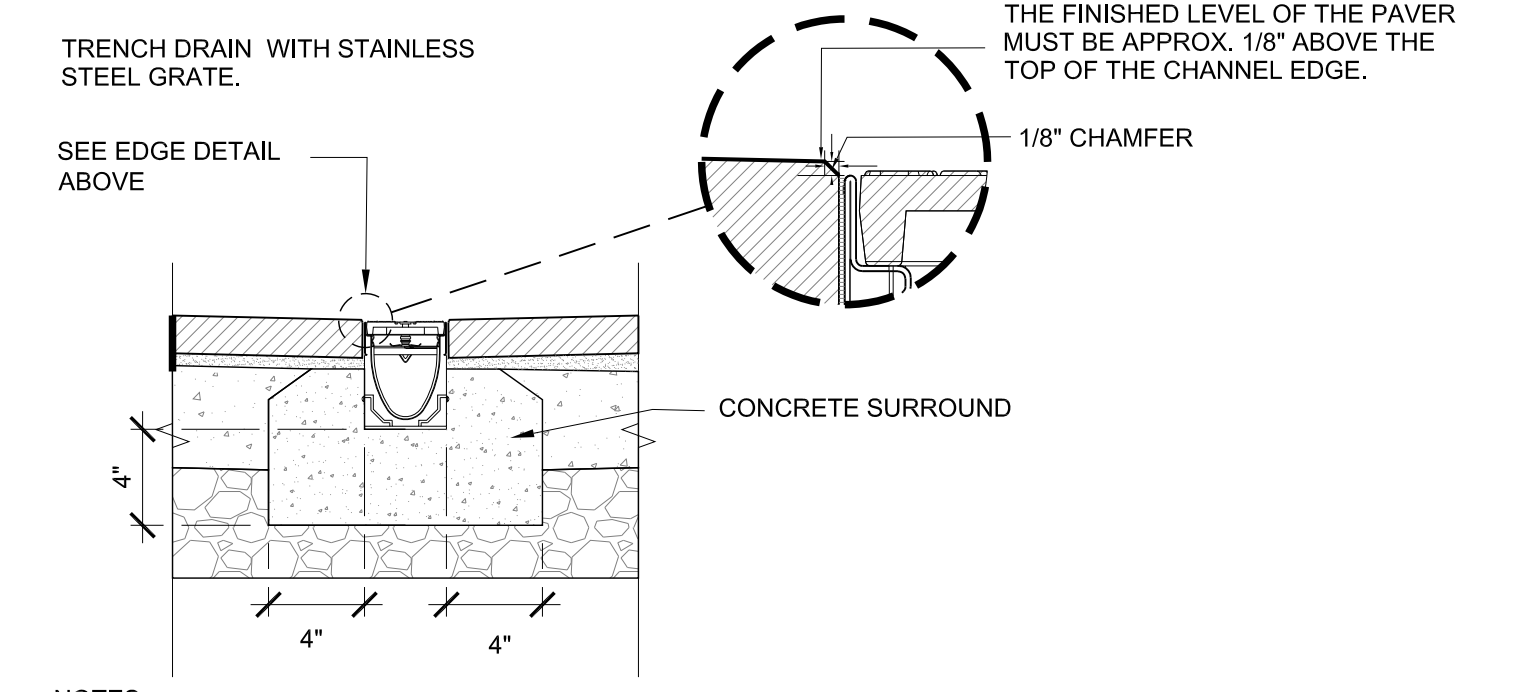
**7 ADA RAMP ELEVATION** 1" = 1'-0"



**8 ADA RAMP ELEVATION** 1" = 1'-0"



**9 ADA RAMP SECTION** 1" = 1'-0"



NOTES:  
 1. THE CHANNEL MUST BE SUPPORTED Laterally AND THEREFORE PAVERS MUST BE RESTRAINED FROM MOVEMENT BY BEDDING SECURELY, E.G. BY USING AN EPOXY OR POLYMER MODIFIED MORTAR FOR BED AND PERPENDICULAR JOINTS. ENGINEERING ADVICE MAY BE REQUIRED.  
 2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.  
 3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. ENGINEERING ADVICE MAY BE REQUIRED.  
 4. CONCRETE BASE THICKNESS SHOULD MATCH SLAB THICKNESS. ENGINEERING ADVICE MAY BE REQUIRED TO DETERMINE PROPER LOAD CLASS.  
 5. REFER TO MANUFACTURER LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

**10 TRENCH DRAIN SECTION** 1" = 1'-0"

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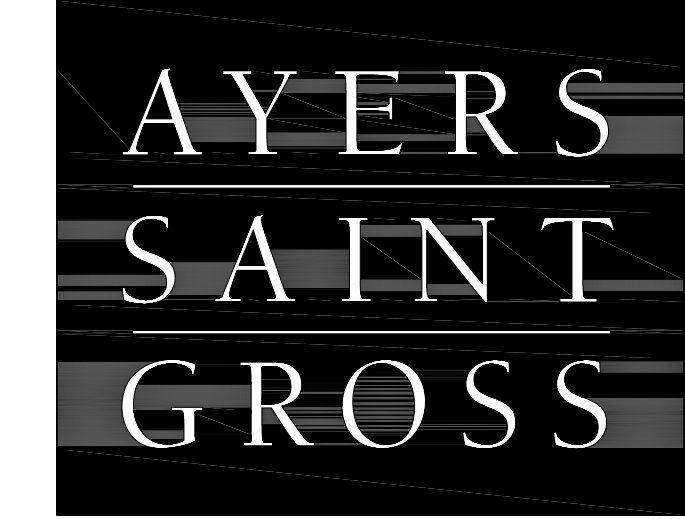
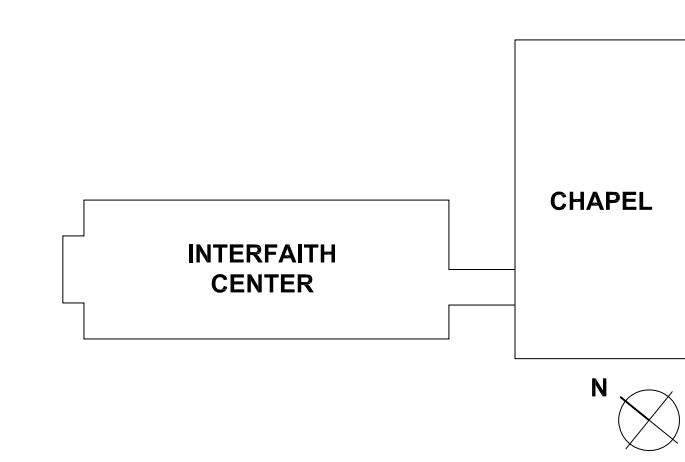
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**KEY PLAN**



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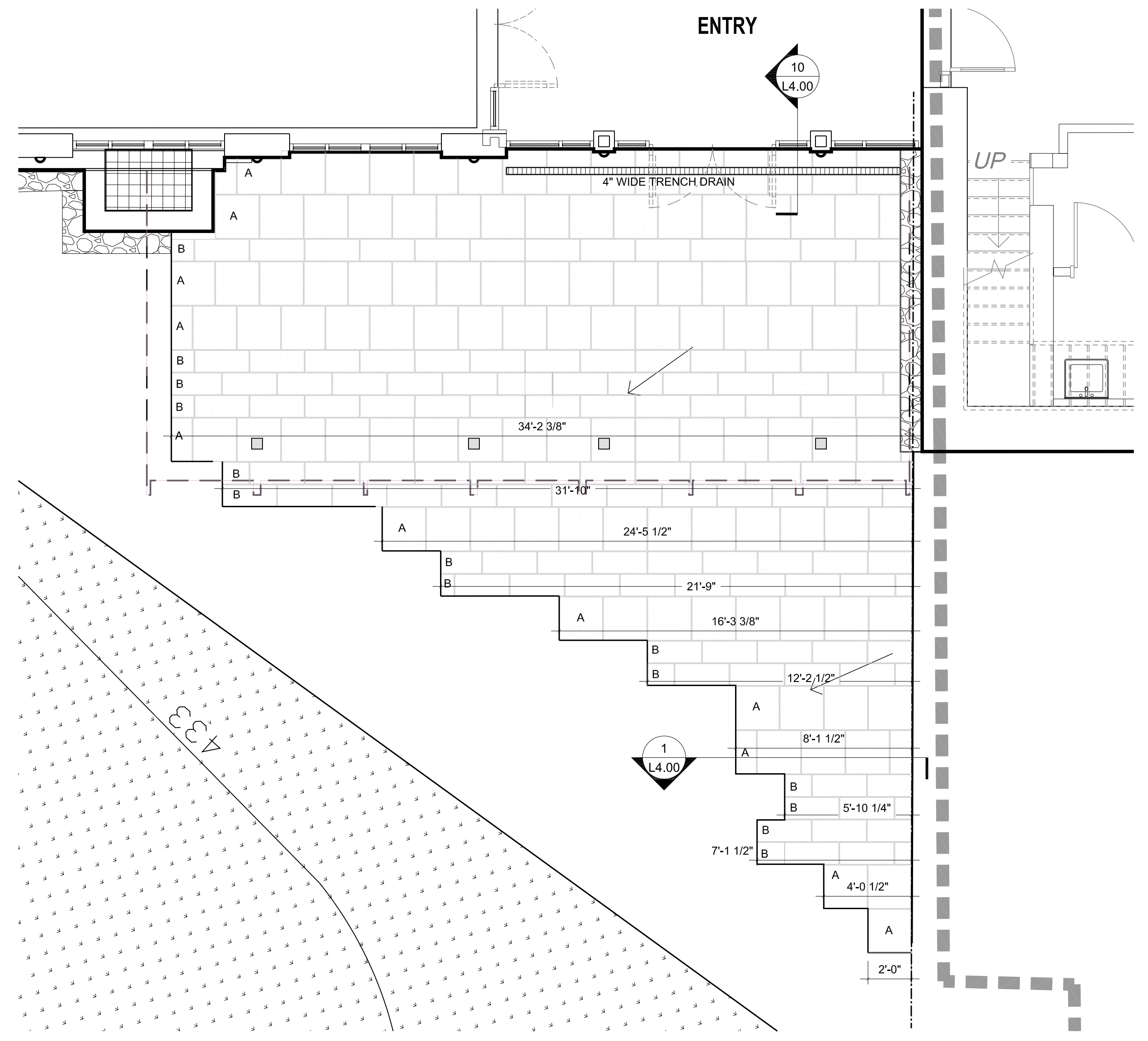
DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	VARIES
JOB NO.:	21641.00
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**PROJECT DESIGN PHASE**  
50% CONSTRUCTION DRAWINGS

DRAWING NAME

DETAILS

DRAWING NUMBER  
**L4.01**



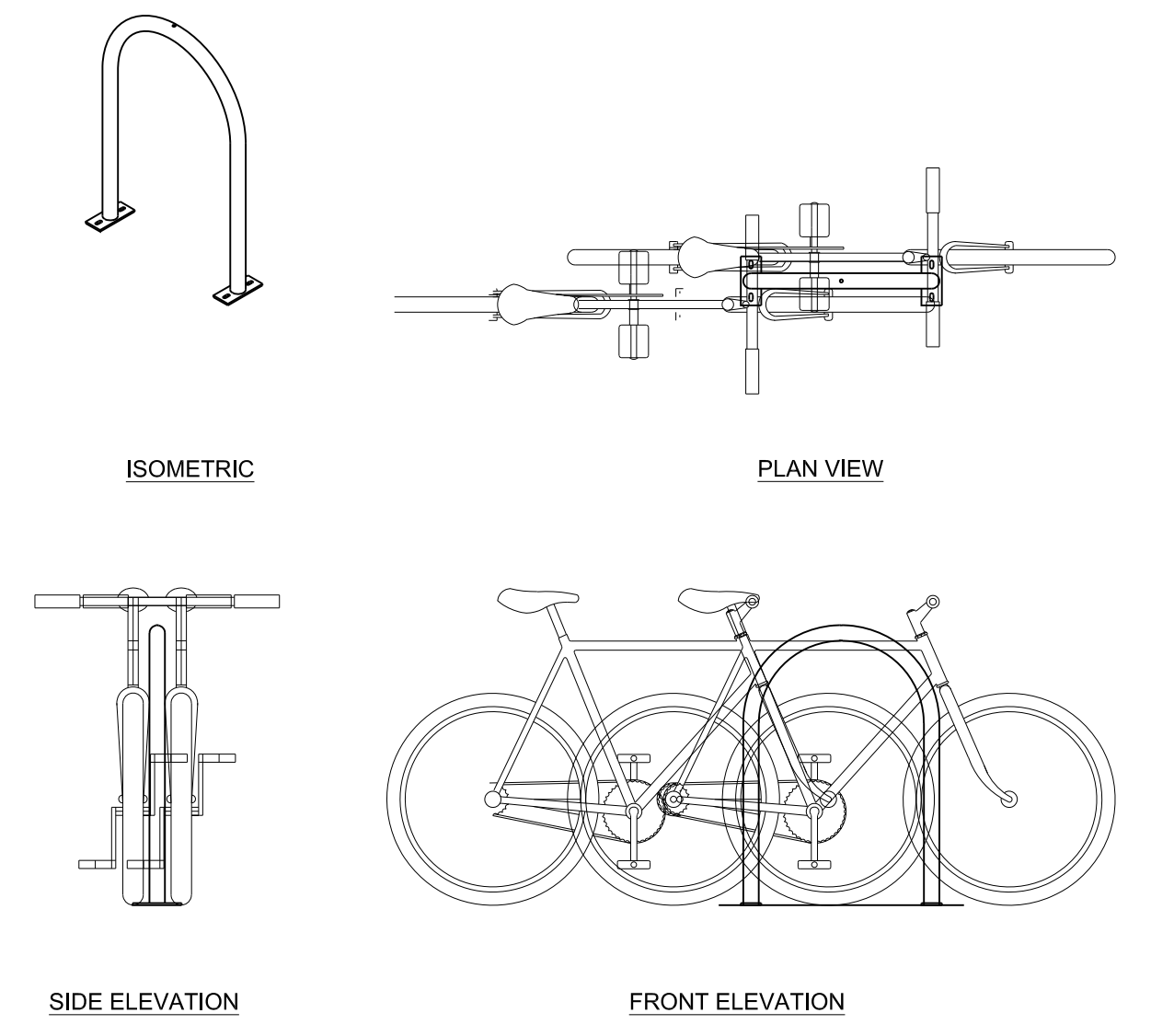
**1 BLUESTONE PAVING LAYOUT ENLARGEMENT**  
1/4" = 1'-0"

- SELECT DESIRED MOUNT:
- IN GROUND MOUNT
  - SURFACE MOUNT
  - RAIL MOUNT

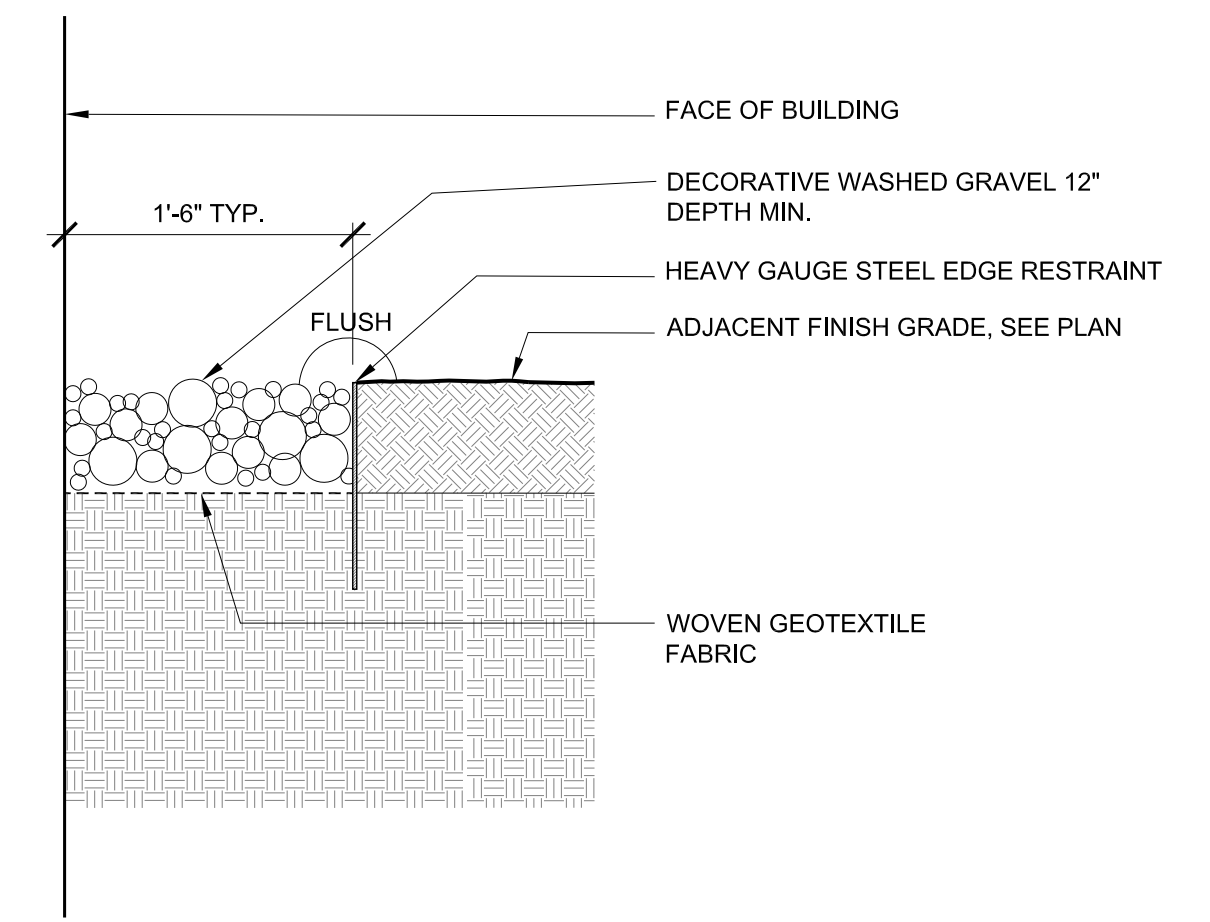
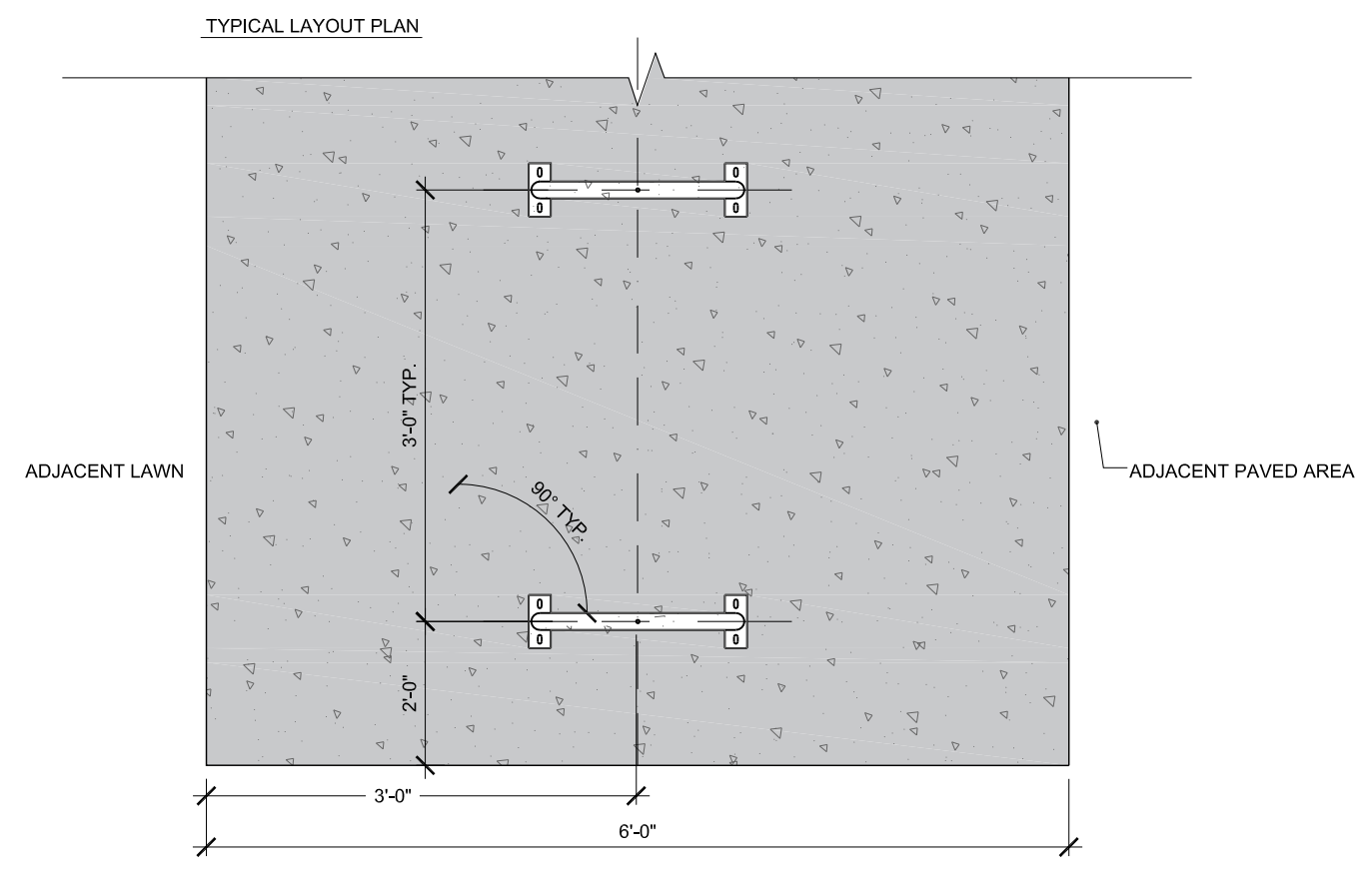
**WALL SETBACKS:**  
FOR RACKS SET PARALLEL TO A WALL:  
MINIMUM: 24"  
RECOMMENDED: 36"  
FOR RACKS SET PERPENDICULAR TO A WALL:  
MINIMUM: 28"  
RECOMMENDED: 42"  
DISTANCE BETWEEN RACKS:  
MINIMUM: 24"  
RECOMMENDED: 36"  
STREET SETBACKS:  
MINIMUM: 24"  
RECOMMENDED: 36"

**SPECIFICATIONS**  
CAPACITY: 2 BIKES  
MATERIAL: 1 1/2" SCHEDULE 40 PIPE (1.9" OD)  
FINISHES: AN AFTER FABRICATION HOT DIPPED GALVANIZED FINISH IS OUR STANDARD OPTION. 250 TGIC POWDER COAT COLORS, THERMOPLASTIC COATING, PVC DIP, AND STAINLESS STEEL FINISHES ARE ALSO AVAILABLE AS ALTERNATE OPTIONS.

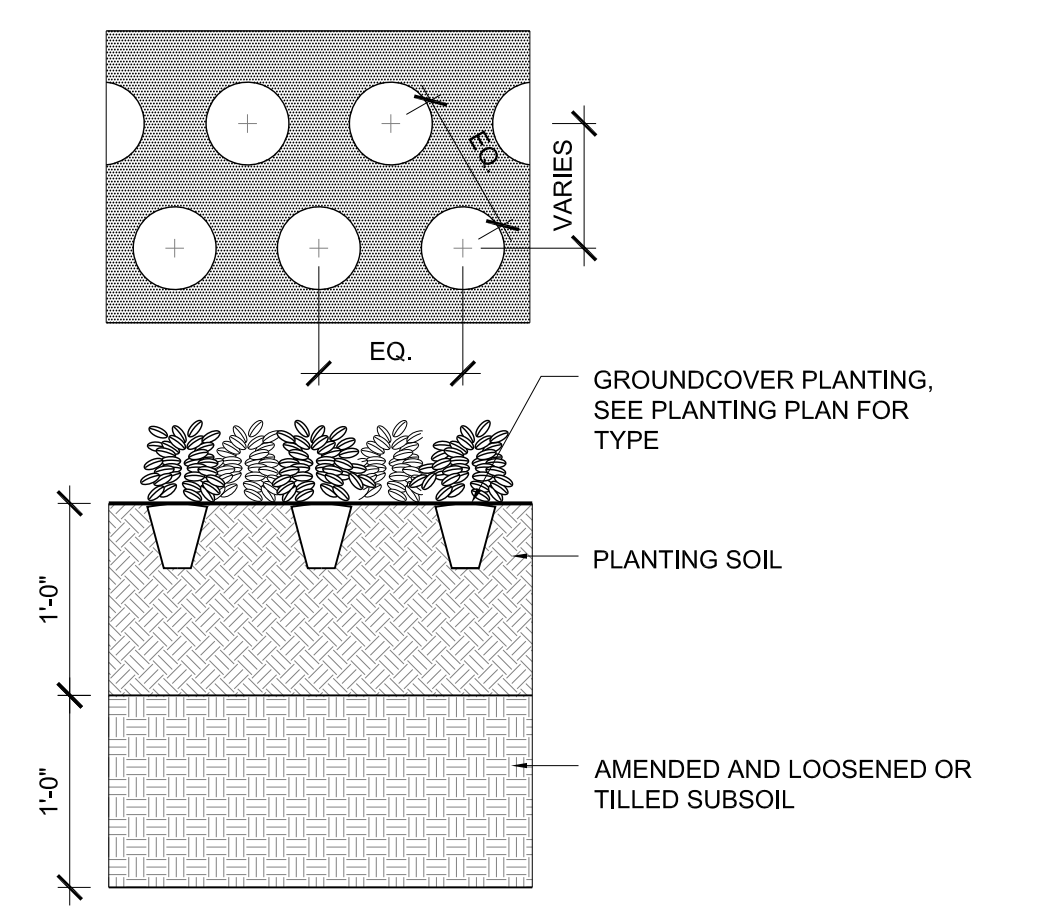
- NOTES:**
- PLEASE CONTACT MANUFACTURER FOR FINISHES AND COLORS.
  - INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
  - DO NOT SCALE DRAWING.
  - THIS DRAWING IS INTENDED FOR USE BY ARCHITECTS, ENGINEERS, CONTRACTORS, CONSULTANTS AND DESIGN PROFESSIONALS FOR PLANNING PURPOSES ONLY. THIS DRAWING MAY NOT BE USED FOR CONSTRUCTION.
  - ALL INFORMATION CONTAINED HEREIN WAS CURRENT AT THE TIME OF DEVELOPMENT BUT MUST BE REVIEWED AND APPROVED BY THE PRODUCT MANUFACTURER TO BE CONSIDERED ACCURATE.
  - CONTRACTOR'S NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT [www.CADdetails.com/info](http://www.CADdetails.com/info) AND ENTER REFERENCE NUMBER 118-117.



**2 BICYCLE RACK**  
3/4" = 1'-0"



**3 WASHED STONE DRIP EDGE SECTION**  
1" = 1'-0"



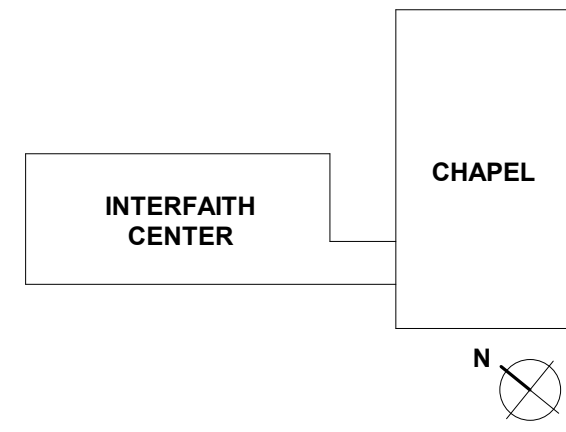
**4 GROUNDCOVER PLANTING SECTION**  
1" = 1'-0"

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KEY PLAN



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ISSUE DATE:	04/28/17
SCALE:	As indicated
JOB NO.:	16072
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PROJECT DESIGN PHASE

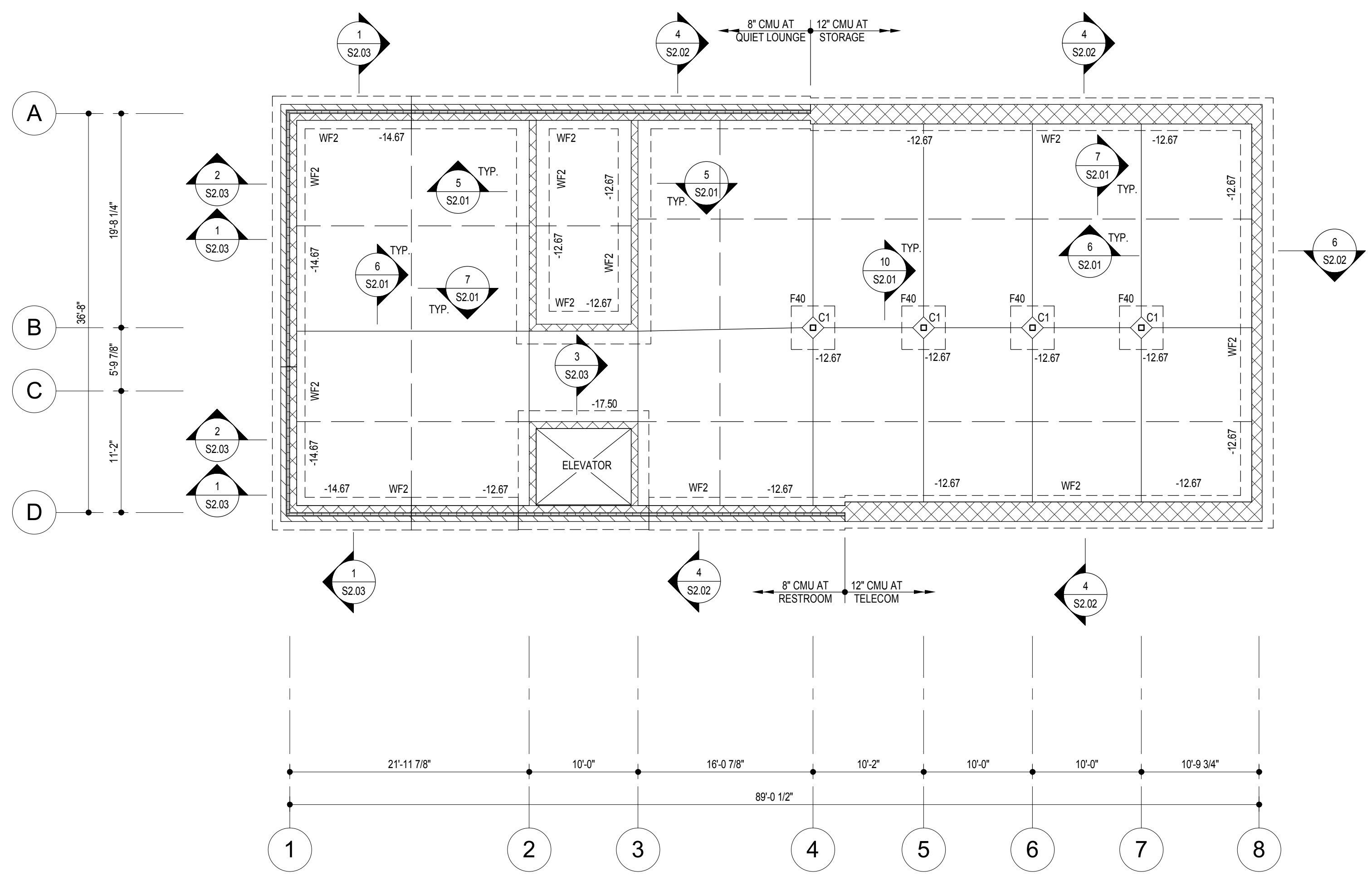
**50% CD SET**

DRAWING NAME

**FOUNDATION AND LOWER LEVEL PLAN**

DRAWING NUMBER

**S1.00**



- FOUNDATION AND LOWER LEVEL PLAN** SCALE: 1/8" = 1'-0"
- ELEVATION TOP OF STRUCTURAL SLAB ON GRADE = EL. -11.00 (U.N.O.)
  - STRUCTURAL SLAB SHALL BE 5" CONCRETE SLAB ON GRADE (f<sub>c</sub> = 3000 PSI) REINFORCED WITH 6" x 6" W2.9 / W2.9 WELDED WIRE FABRIC POURED OVER VAPOR BARRIER OVER 4" POROUS FILL (U.N.O.)
  - EXTERIOR SLAB ON GRADE BY LANDSCAPE ARCHITECT. FOR ADDITIONAL INFORMATION SEE LANDSCAPE ARCHITECTURAL DRAWINGS.
  - ALL WALL FOOTINGS NOT SPECIFICALLY SHOWN ON PLAN SHALL BE 12" DEEP BY WALL WIDTH WITH 6" PROJECTION ON EACH SIDE OF WALL WITH 2#5 CONT. BARS AND #5 BARS AT 24"o/c.
  - ELEVATION BOTTOM OF FOOTING IS SHOWN ON PLAN.
  - ASSUMED SOIL BEARING VALUE = 3000 PSF WAS USED IN DESIGN OF THE STRUCTURE. THIS VALUE SHALL BE FIELD VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER. SEE GEOTECHNICAL ENGINEERING REPORT PREPARED BY HERBST/BENSON & ASSOCIATES DATED JANUARY 6, 2017 FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
  - WALL TYPES INDICATED ON PLAN THUS:  

	REINFORCED MASONRY BLOCK WALLS (ASTM C-90)
--	--
  - STAIRS SHALL BE DESIGNED FOR 100 POUNDS PER SQUARE FOOT LIVE LOAD. SUBMIT SIGNED AND SEALED SHOP DRAWINGS TO ENGINEER FOR REVIEW. SEE ARCHITECTURAL DRAWINGS FOR RISER AND TREAD DIMENSIONS.
  - CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECTURAL AND SITE DRAWINGS PRIOR TO CONSTRUCTION.
  - PROVIDE FOOTING IN SLAB ON GRADE AT ALL NON-LOAD BEARING BLOCK PARTITIONS PER DETAIL 9 ON S2.01. SEE ARCHITECTURAL DRAWINGS FOR LOCATION OF ALL BLOCK PARTITIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
  - SEE MECHANICAL DRAWINGS FOR EXACT SIZE AND LOCATION OF REQUIRED EQUIPMENT PADS. SEE DETAIL 3 ON S2.02 FOR ADDITIONAL INFORMATION.
  - MASONRY WALLS SHALL BE 8" MASONRY (f<sub>m</sub> = 2500 PSI) REINFORCED PER MASONRY WALL SCHEDULE ON S1.00.12. MASONRY WALLS SHALL BE 8" MASONRY (f<sub>m</sub> = 1500 PSI) REINFORCED PER MASONRY WALL SCHEDULE ON S1.00.

COLUMN SCHEDULE					
MARK	COLUMN SIZE	BASE PLATE SIZE	ANCHOR BOLTS	PEDESTAL SIZE AND REINFORCING	NOTES
C1	HSS6x6x1/4	12" x 12" x 1'-0"	(4) 3/4" x 8" LONG	16" x 16" PEDESTAL WITH (4) #7 VERTICAL	PROVIDE PEDESTAL WHERE SHOWN ON PLAN

- COLUMN SCHEDULE NOTES:**
- FOR ORIENTATION OF COLUMNS, BASE PLATES, LEVEL PLATES, PEDESTALS, AND FOOTINGS - SEE PLAN
  - STRUCTURAL STEEL HSS SHAPES SHALL CONFORM TO ASTM A-600 GRADE B. STRUCTURAL STEEL PLATES SHALL CONFORM TO ASTM A-36 UNLESS NOTED OTHERWISE.
  - ALL ANCHOR BOLTS SHALL CONFORM TO ASTM F-1554, GRADE 55.
  - IN ADDITION TO DETAILED OUTER PEDESTAL TIES, PROVIDE ALL INTERIOR AND CROSS TIES AS REQUIRED BY ACI-318 LATEST EDITION.

FOOTING SCHEDULE			
MARK	FOOTING SIZE	REINFORCING	NOTES
F30	3'-0" x 3'-0" x 12"	4#5 E.W. BOTTOM	PROVIDE PEDESTAL WHERE SHOWN ON PLAN
F40	4'-0" x 4'-0" x 12"	5#5 E.W. BOTTOM	PROVIDE PEDESTAL WHERE SHOWN ON PLAN
WF1	12" DEEP x 2'-0" CONTINUOUS	3#5 CONT. WITH #4 TIE BARS AT 24"o/c	
WF2	12" DEEP x 3'-0" CONTINUOUS	4#5 CONT. WITH #4 TIE BARS AT 24"o/c	

MASONRY WALL SCHEDULE			
FLOOR	BLOCK STRENGTH	VERTICAL REINFORCING	TENSION LAP SPLICE
LL TO GROUND	HIGH STRENGTH	#7 AT 8"	5'-3"
GROUND TO LEVEL 2	HIGH STRENGTH	#7 AT 16"	5'-3"
LEVEL 2 TO TRUSS BRG.	HIGH STRENGTH	#7 AT 24"	5'-3"

- MASONRY WALL NOTES**
- FILL ALL REINFORCED MASONRY CELLS 100% SOLID WITH 3000 PSI GROUT.
  - LAP ALL #5 VERTICAL REINFORCING 2'-0" MINIMUM. #6 VERTICAL REINFORCING 3'-0" MINIMUM. AND #7 VERTICAL REINFORCING 3'-6" MINIMUM.
  - PROVIDE TENSION LAP SPLICE WHERE REQUIRED ON PLAN AND IN TYPICAL DETAILS.
  - PROVIDE FOOTING DOWELS AT WALL FOUNDATIONS SAME SIZE AND SPACING AS WALL VERTICAL REINFORCING. PROVIDE LAP SPLICE IN ACCORDANCE WITH NOTES 3 AND 4.
  - REINFORCING SHOWN ON MASONRY RETAINING WALL DETAILS ON S2.02 SHALL SUPERSEDE AND REPLACE REINFORCING SHOWN IN SCHEDULE ABOVE.

PROJECT TEAM

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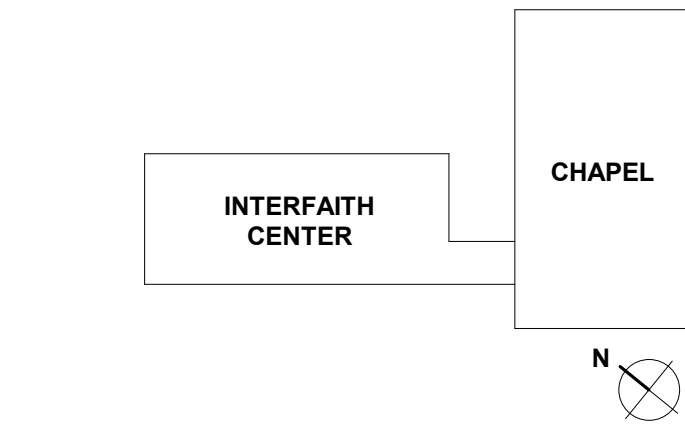
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Table with 3 columns: REV. #, DESCRIPTION, DATE. Includes a KEY PLAN section below it.



ARCHITECTS + PLANNERS

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Table with 2 columns: FIELD, VALUE. Includes Drawing Information (Issue Date, Scale, Job No., Drawn By) and Project Design Phase (50% CD SET).

DRAWING NAME: GROUND LEVEL FRAMING PLAN

DRAWING NUMBER: S1.01



GROUND LEVEL PLAN

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

- 1. ELEVATION TOP OF STRUCTURAL WOOD FRAMED FLOOR SHALL BE 0.00.
2. STRUCTURAL FLOOR SHALL BE 3/4" GYPSUM TOPPING...
3. ELEVATION TOP OF STEEL BEAMS SHOWN ON PLAN = -0.14.
4. WALL TYPES ARE SHOWN ON PLAN, THUS:
WOOD STUD WALLS
REINFORCED MASONRY BLOCK WALLS (ASTM C-90)
5. CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECT PRIOR TO CONSTRUCTION.
6. ALL WOOD STUDS SHALL BE NO. 1 / NO. 2 SPRUCE PINE FIR (UNO)...
7. WOOD TRUSS LAYOUT AS SHOWN ON PLAN IS DIAGRAMMATIC...
8. PRE-ENGINEERED WOOD FLOOR TRUSSES NOTED, THUS:
PWTS WOOD TRUSSES AT DEPTH AND SPACING NOTED ON PLAN
9. PRE-ENGINEERED TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM SUPERIMPOSED LIVE AND DEAD LOADS...
10. FOR WOOD BEAM AND LINTEL SCHEDULES, REFER TO SHEET S1.01...
11. STAIRS SHALL BE DESIGNED FOR 100 POUNDS PER SQUARE FOOT LIVE LOAD...
12. MASONRY WALLS SHALL BE 8" MASONRY (fm = 2500 PSI)...
13. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND REQUIREMENTS AT LOUVERED OPENINGS...
14. STRUCTURAL STEEL WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A-992...
15. ALL EXPOSED STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED.
16. STAIRS SHALL BE DESIGNED FOR 100 POUNDS PER SQUARE FOOT LIVE LOAD...
17. PROVIDE DOUBLE 2" WIDE x 8" DEEP CONT. BOND BEAM AROUND PERIMETER OF ELEVATOR AND STAIR...
18. EXTERIOR SLAB ON GRADE BY LANDSCAPE ARCHITECT...
19. FULL CONTINUITY MOMENT CONNECTIONS ARE INDICATED ON PLAN...
20. STRUCTURAL SLAB SHALL BE 5" CONCRETE SLAB ON GRADE...
NOTES 1 & 20

Table with 4 columns: FLOOR TYPE, TOP CHORD, LIVE, BOTTOM CHORD, LIVE. Includes values for COMMON AREAS.

WOOD FLOOR TRUSS DEFLECTION SHALL NOT EXCEED L/480 FOR LIVE LOAD AND L/360 FOR TOTAL LOAD.

WOOD FLOOR TRUSS DEFLECTION SHALL NOT EXCEED L/480 FOR LIVE LOAD AND L/360 FOR TOTAL LOAD.

WOOD FLOOR TRUSS DEFLECTION SHALL NOT EXCEED L/480 FOR LIVE LOAD AND L/360 FOR TOTAL LOAD.

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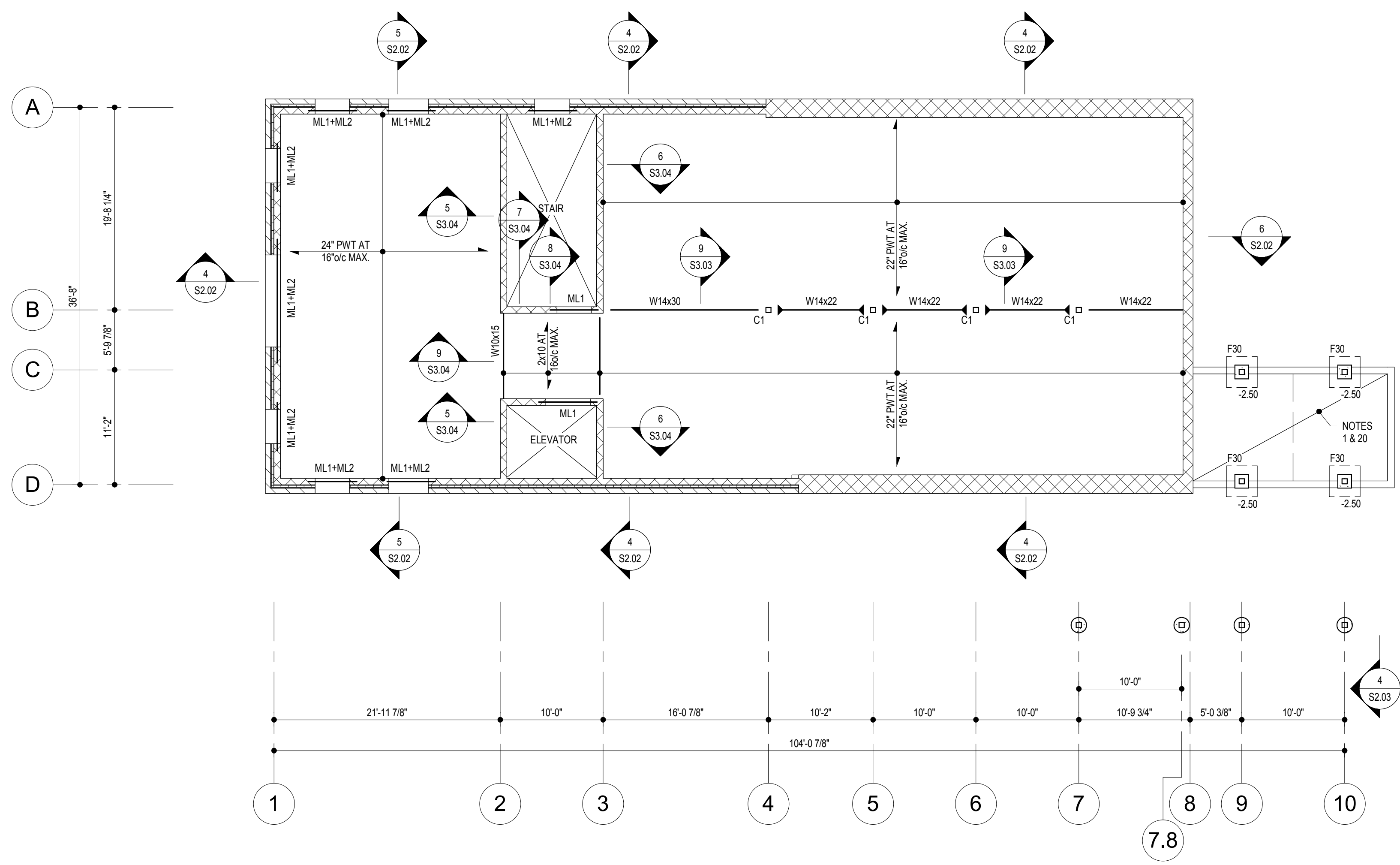
WOOD FLOOR TRUSS DEFLECTION SHALL NOT EXCEED L/480 FOR LIVE LOAD AND L/360 FOR TOTAL LOAD.

LINTEL SCHEDULE

Table with 4 columns: MARK, MEMBER, TYPE, REMARKS. Lists lintel members ML1 through L4 with their specifications and remarks.

LINTEL NOTES

- 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT SIZE AND LOCATION OF WALL OPENINGS.
2. SECURE MULTIPLE SAWN MEMBERS TOGETHER WITH (2) ROWS OF 16d NAILS AT 12" OC FOR MEMBERS UP TO 12" DEEP...
3. ALL WOOD LINTELS EXPOSED TO THE WEATHER SHALL BE PRESSURE TREATED.
4. STRUCTURAL WOOD LINTELS SHALL BE NO.1/NO.2 SPRUCE PINE FIR WITH THE FOLLOWING MINIMUM PROPERTIES:
Fb = 875 PSI Fc = 425 PSI Fv = 135 PSI
Fl = 450 PSI Fcl = 1,150 PSI E = 1,400,000 PSI
5. CONTRACTOR HAS OPTION TO PROVIDE ADDITIONAL WOOD JOISTS AND PLYWOOD PLATES TO WOOD LINTELS...
6. SEE PLAN FOR END POST OR END JACK STUDS AND PROVIDE (2) FULL HEIGHT KING STUDS EACH END OF LINTEL...
7. FOR ADDITIONAL INFORMATION AT TYPICAL WOOD LINTEL FRAMING, REFER TO DETAILS...
8. ALL STRUCTURAL STEEL EXPOSED TO THE WEATHER OR THAT ARE IN CONTACT WITH MASONRY SHALL BE HOT-DIPPED GALVANIZED...
9. PROVIDE 8" MINIMUM BEARING AT EACH END OF ANGLE LINTEL.
10. WOOD POST AND BUILT-UP WOOD POST TO BEAM CONNECTIONS: PROVIDE CC COLUMN CAP SERIES SIZED ACCORDING TO BEAM WIDTH AND BEARING CONDITION...
11. WOOD POST AND BUILT-UP WOOD POST TO BEAM CONNECTIONS: PROVIDE CC COLUMN CAP SERIES SIZED ACCORDING TO BEAM WIDTH AND BEARING CONDITION...





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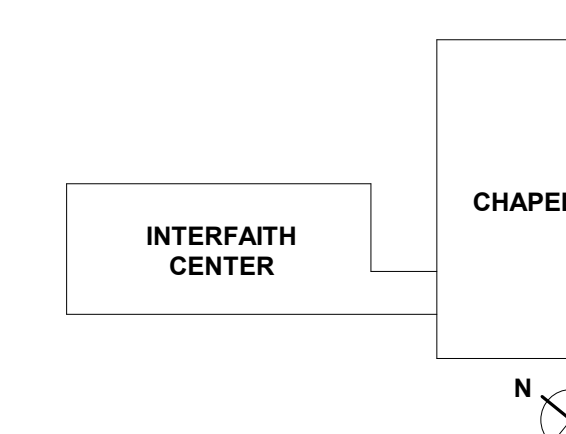
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REVISIONS

Table with 3 columns: REV. #, DESCRIPTION, DATE. Contains several empty rows for revisions.

KEY PLAN



ARCHITECTS + PLANNERS

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Drawing information table with fields for ISSUE DATE (04/28/17), SCALE (1/8" = 1'-0"), JOB NO. (16072), and DRAWN BY (CRS).

PROJECT DESIGN PHASE

50% CD SET

DRAWING NAME

LEVEL 2 FRAMING PLAN

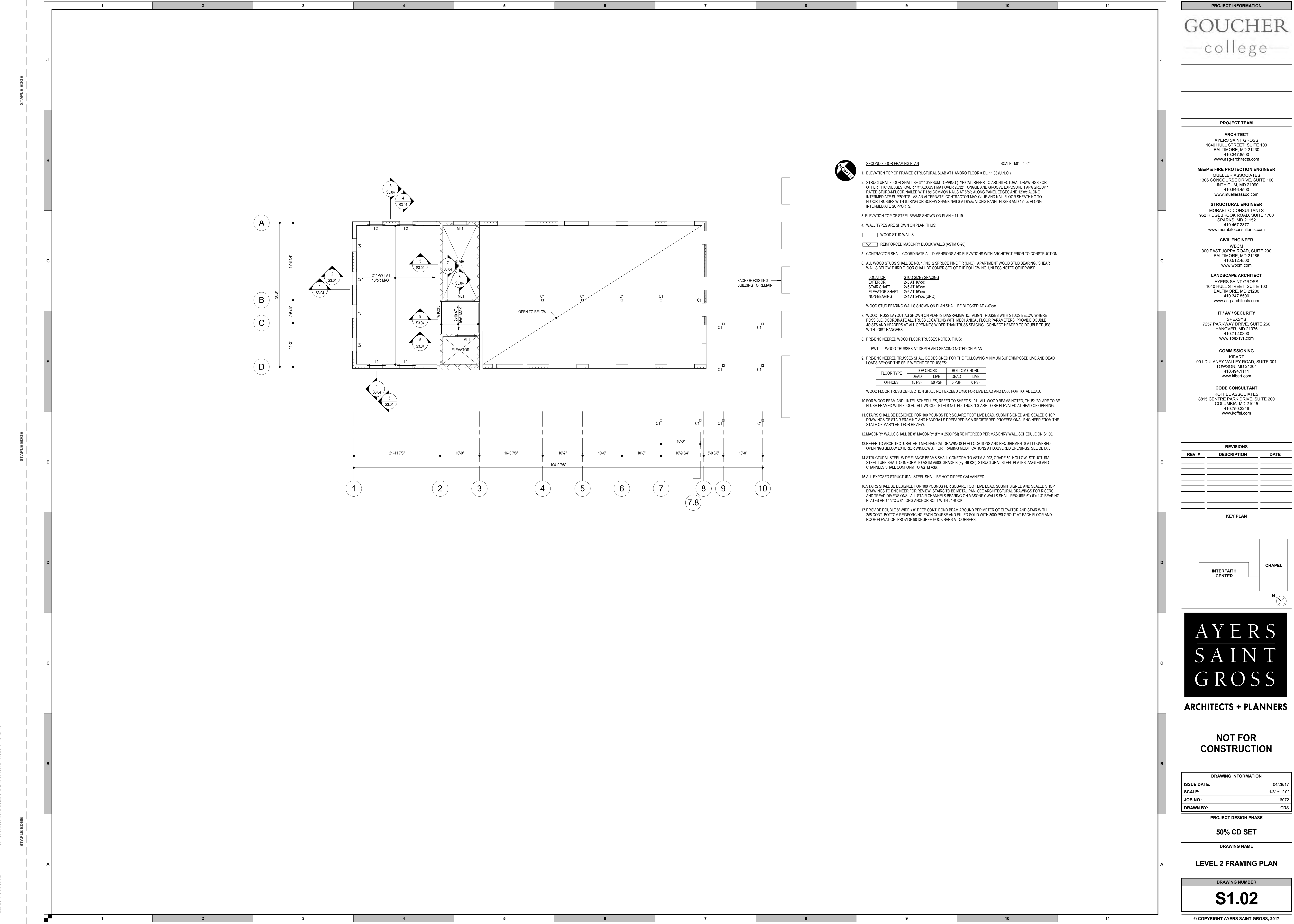
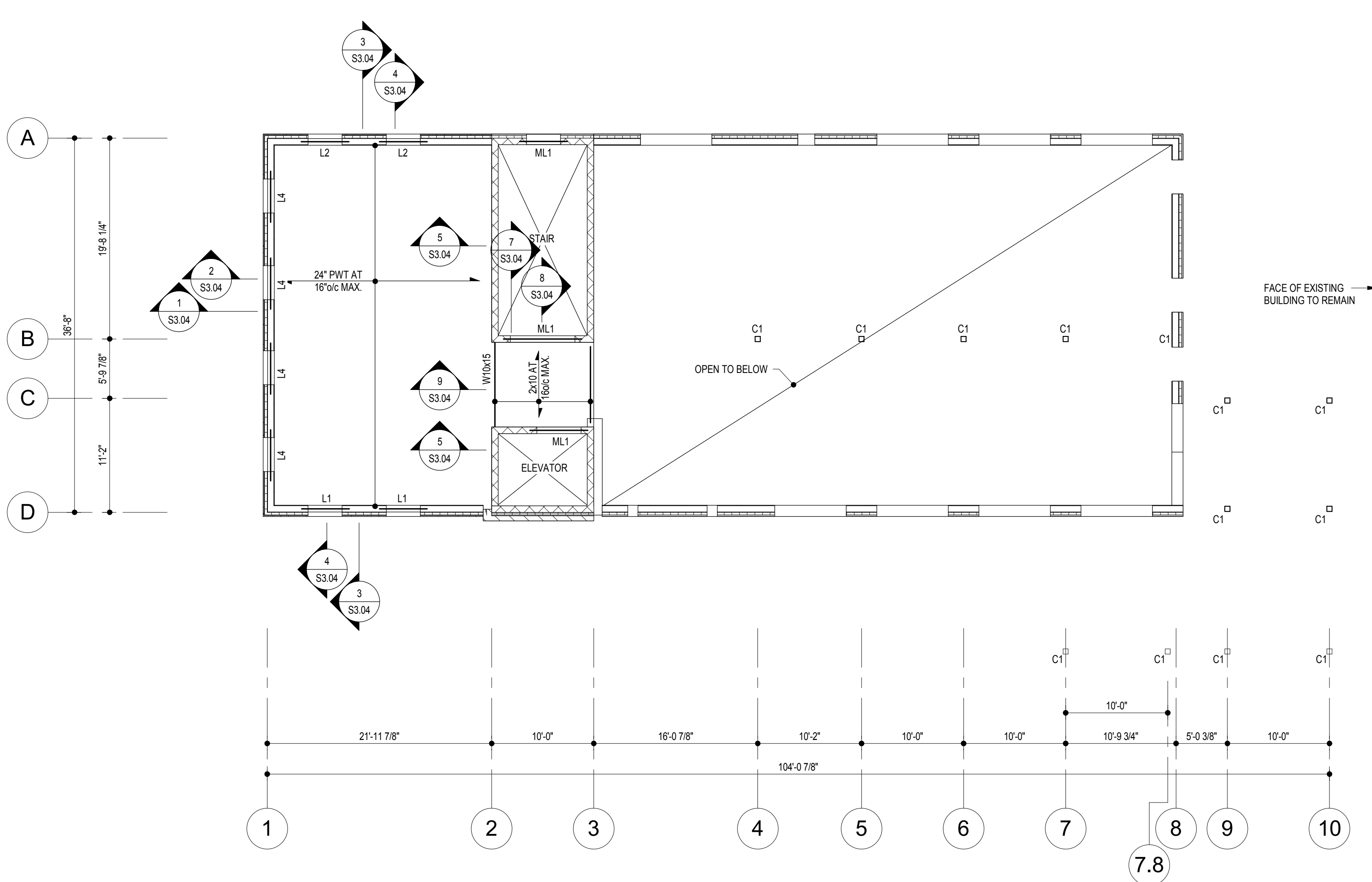
Drawing number table with the number S1.02 highlighted in a large font.



SECOND FLOOR FRAMING PLAN

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

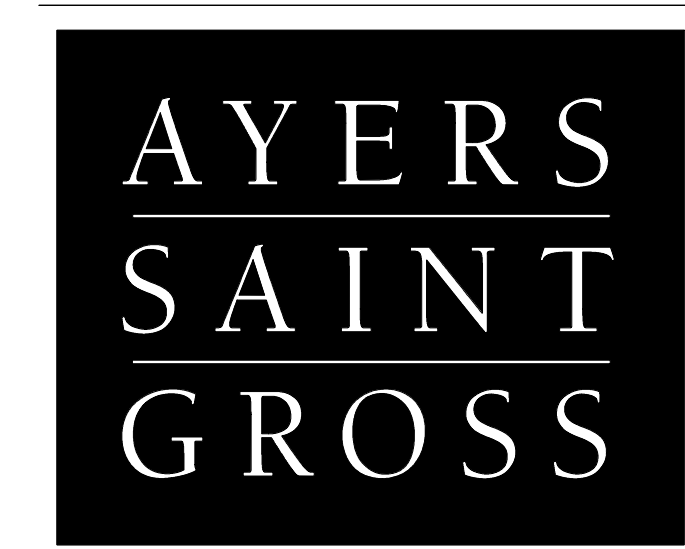
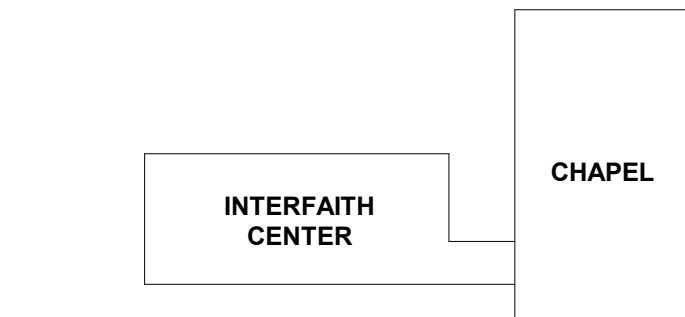
- 1. ELEVATION TOP OF FRAMED STRUCTURAL SLAB AT HAMBRO FLOOR = EL. 11.33 (U.N.O.)
2. STRUCTURAL FLOOR SHALL BE 3/4" GYPSUM TOPPING (TYPICAL, REFER TO ARCHITECTURAL DRAWINGS FOR OTHER THICKNESSES) OVER 1/4" ACOUSTIMAT OVER 2x2x2" TONGUE AND GROOVE EXPOSURE 1 APA GROUP 1 RATED STURD-FLOOR NAILED WITH 8d COMMON NAILS AT 6" OC ALONG PANEL EDGES AND 12" OC ALONG INTERMEDIATE SUPPORTS. AS AN ALTERNATE, CONTRACTOR MAY GLUE AND NAIL FLOOR SHEATHING TO FLOOR TRUSSES WITH 8d RING OR SCREW SHANK NAILS AT 6" OC ALONG PANEL EDGES AND 12" OC ALONG INTERMEDIATE SUPPORTS.
3. ELEVATION TOP OF STEEL BEAMS SHOWN ON PLAN = 11.19.
4. WALL TYPES ARE SHOWN ON PLAN, THUS:
WOOD STUD WALLS
REINFORCED MASONRY BLOCK WALLS (ASTM C-90)
5. CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECT PRIOR TO CONSTRUCTION.
6. ALL WOOD STUDS SHALL BE NO. 1 / NO. 2 SPRUCE PINE FIR (UNO), APARTMENT WOOD STUD BEARING / SHEAR WALLS BELOW THIRD FLOOR SHALL BE COMPRISED OF THE FOLLOWING, UNLESS NOTED OTHERWISE:
LOCATION STUD SIZE / SPACING
EXTERIOR 2x6 AT 16" OC
STAIR SHAFT 2x6 AT 16" OC
ELEVATOR SHAFT 2x6 AT 16" OC
NON-BEARING 2x4 AT 24" OC (UNO)
WOOD STUD BEARING WALLS SHOWN ON PLAN SHALL BE BLOCKED AT 4'-0" OC.
7. WOOD TRUSS LAYOUT AS SHOWN ON PLAN IS DIAGRAMMATIC. ALIGN TRUSSES WITH STUDS BELOW WHERE POSSIBLE. COORDINATE ALL TRUSS LOCATIONS WITH MECHANICAL FLOOR PARAMETERS. PROVIDE DOUBLE JOISTS AND HEADERS AT ALL OPENINGS WIDER THAN TRUSS SPACING. CONNECT HEADERS TO DOUBLE TRUSS WITH JOIST HANGERS.
8. PRE-ENGINEERED WOOD FLOOR TRUSSES NOTED, THUS:
PWT WOOD TRUSSES AT DEPTH AND SPACING NOTED ON PLAN
9. PRE-ENGINEERED TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM SUPERIMPOSED LIVE AND DEAD LOADS BEYOND THE SELF-WEIGHT OF TRUSSES:
FLOOR TYPE DEAD LIVE DEAD LIVE
OFFICES 15 PSF 50 PSF 5 PSF 0 PSF
WOOD FLOOR TRUSS DEFLECTION SHALL NOT EXCEED L/480 FOR LIVE LOAD AND L/360 FOR TOTAL LOAD.
10. FOR WOOD BEAM AND LINTEL SCHEDULES, REFER TO SHEET S1.01. ALL WOOD BEAMS NOTED, THUS: '80' ARE TO BE FLUSH FRAMED WITH FLOOR. ALL WOOD LINTELS NOTED, THUS: 'L0' ARE TO BE ELEVATED AT HEAD OF OPENING.
11. STARS SHALL BE DESIGNED FOR 100 POUNDS PER SQUARE FOOT LIVE LOAD. SUBMIT SIGNED AND SEALED SHOP DRAWINGS OF STAR FRAMING AND HANDRAILS PREPARED BY A REGISTERED PROFESSIONAL ENGINEER FROM THE STATE OF MARYLAND FOR REVIEW.
12. MASONRY WALLS SHALL BE 8" MASONRY (fm = 2500 PSI) REINFORCED PER MASONRY WALL SCHEDULE ON S1.00.
13. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND REQUIREMENTS AT LOUVERED OPENINGS BELOW EXTERIOR WINDOWS. FOR FRAMING MODIFICATIONS AT LOUVERED OPENINGS, SEE DETAIL.
14. STRUCTURAL STEEL WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A-992, GRADE 50. HOLLOW STRUCTURAL STEEL TUBE SHALL CONFORM TO ASTM A500, GRADE B (Fy=46 KSI). STRUCTURAL STEEL PLATES, ANGLES AND CHANNELS SHALL CONFORM TO ASTM A36.
15. ALL EXPOSED STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED.
16. STARS SHALL BE DESIGNED FOR 100 POUNDS PER SQUARE FOOT LIVE LOAD. SUBMIT SIGNED AND SEALED SHOP DRAWINGS TO ENGINEER FOR REVIEW. STARS TO BE METAL PAN. SEE ARCHITECTURAL DRAWINGS FOR RISERS AND TREAD DIMENSIONS. ALL STAR CHANNELS BEARING ON MASONRY WALLS SHALL REQUIRE 6" x 6" x 1/4" BEARING PLATES AND 1/2" x 8" LONG ANCHOR BOLT WITH 2" HOOK.
17. PROVIDE DOUBLE 8" WIDE x 8" DEEP CONT. BOND BEAM AROUND PERIMETER OF ELEVATOR AND STAIR WITH 2#5 CONT. BOTTOM REINFORCING EACH COURSE AND FILLED SOLID WITH 3000 PSI GROUT AT EACH FLOOR AND ROOF ELEVATION. PROVIDE 90 DEGREE HOOK BARS AT CORNERS.



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Table with 3 columns: REV. #, DESCRIPTION, DATE. Includes a KEY PLAN section below it.



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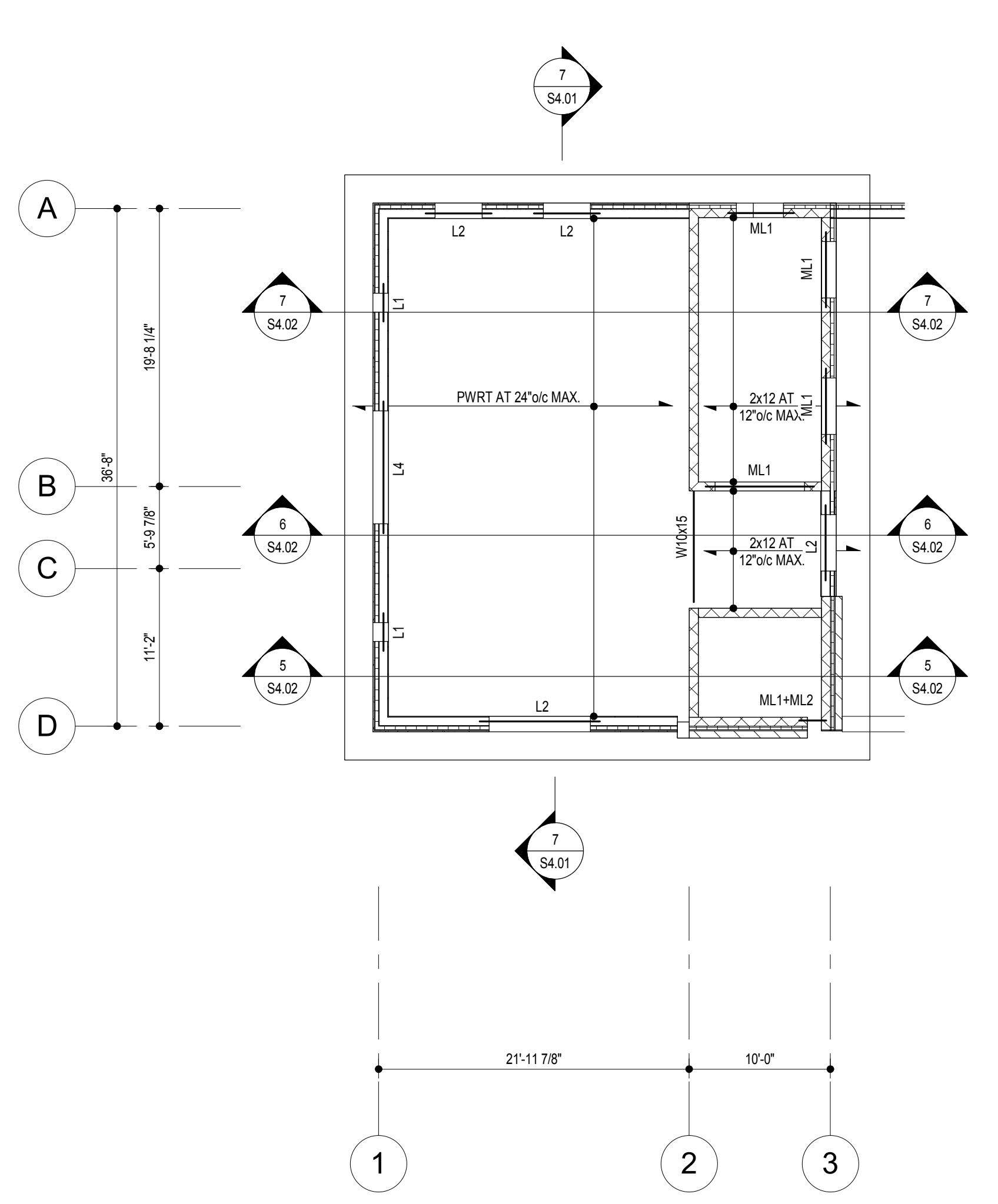
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DRAWING NAME

ROOF FRAMING PLAN

DRAWING NUMBER

S1.03

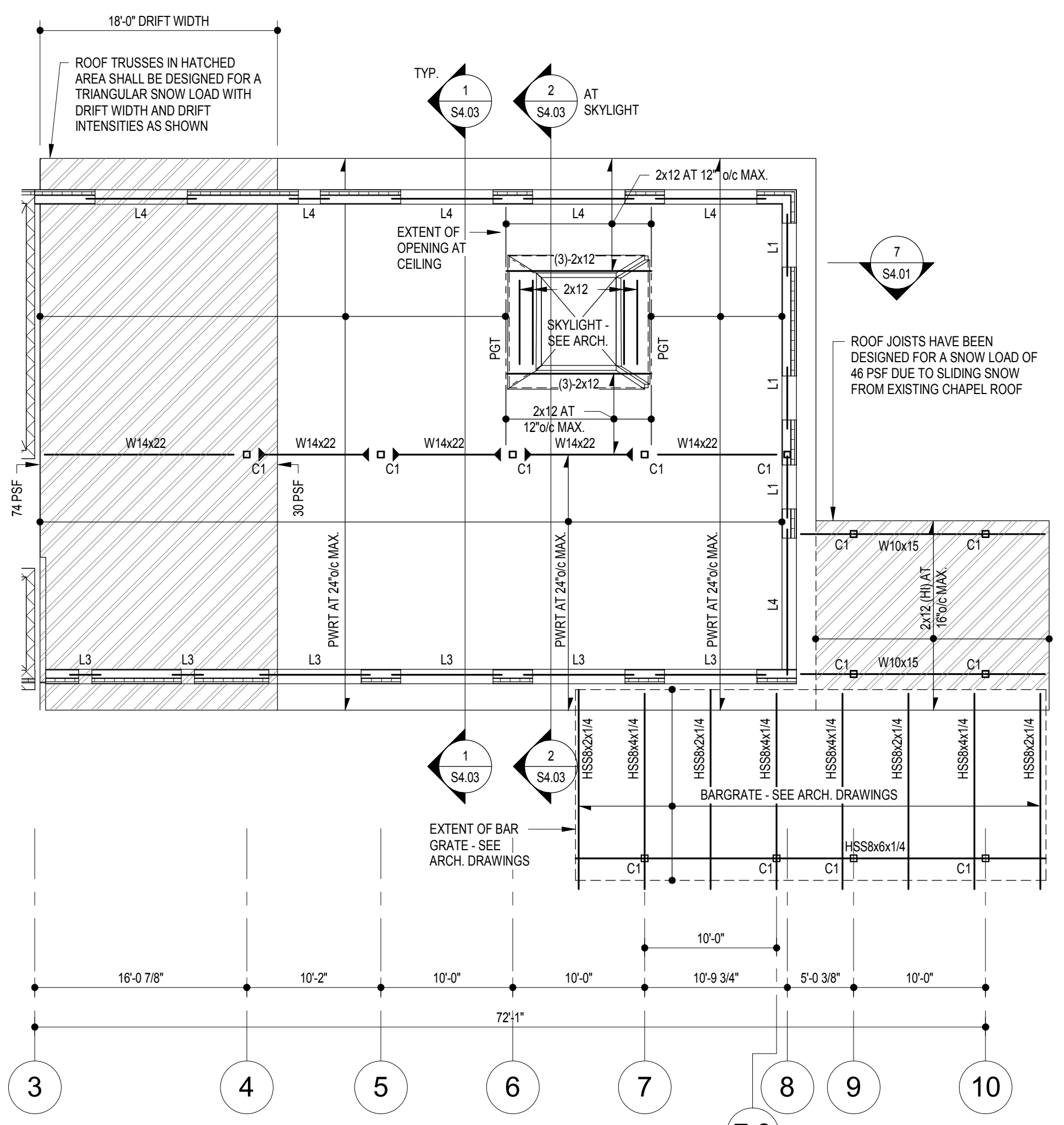


HIGH ROOF FRAMING PLAN SCALE: 1/8" = 1'-0"

- 1. ELEVATION TOP OF STRUCTURAL WOOD FRAMED ROOF VARIES...
2. STRUCTURAL ROOF DECK OVER WOOD TRUSSES SHALL BE 1902' EXTERIOR 2416 EXPOSURE 1 APA RATED PLYWOOD...
3. WALL TYPES ARE SHOWN ON PLAN, THUS:
4. CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL WOOD STUDS SHALL BE NO. 1 NO. 2 SPRUCE PINE FIR AND SHALL BE COMPRISED OF THE FOLLOWING, UNLESS NOTED OTHERWISE.
6. WOOD TRUSS LAYOUT AS SHOWN ON PLAN IS DIAGRAMMATIC...
7. PRE-ENGINEERED TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM SUPERIMPOSED LIVE AND DEAD LOADS BEYOND THE SELF WEIGHT OF TRUSSES.
8. FOR WOOD BEAM AND LINTEL SCHEDULES, REFER TO SHEET S1.01...
9. STAIRS SHALL BE DESIGNED FOR 100 POUNDS PER SQUARE FOOT LIVE LOAD...
10. MASONRY WALLS SHALL BE 8" MASONRY (fm = 2500 PSI) REINFORCED PER MASONRY WALL SCHEDULE ON S1.01.
11. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND REQUIREMENTS AT LOUVERED OPENINGS...
12. STRUCTURAL STEEL WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A-992, GRADE 50...
13. ALL EXPOSED STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED.
14. STAIRS SHALL BE DESIGNED FOR 100 POUNDS PER SQUARE FOOT LIVE LOAD...
15. PROVIDE DOUBLE 8" WIDE x 8" DEEP CONT. BOND BEAM AROUND PERIMETER OF ELEVATOR AND STAIR WITH 265 CONT. BOTTOM REINFORCING EACH COURSE AND FILLED SOLID WITH 3000 PSI GROUT AT EACH FLOOR AND ROOF ELEVATION.

Table with 4 columns: LOCATION, STUD SIZE / SPACING, EXTERIOR, NON-BEARING. Values include 2x8 AT 16" OC and 2x4 AT 24" OC (UNO).

Table with 4 columns: ROOF TYPE, TOP CHORD, BOTTOM CHORD, DEAD, LIVE, DEAD, LIVE. Values include 15 PSF, 30 PSF, 10 PSF, 0 PSF.

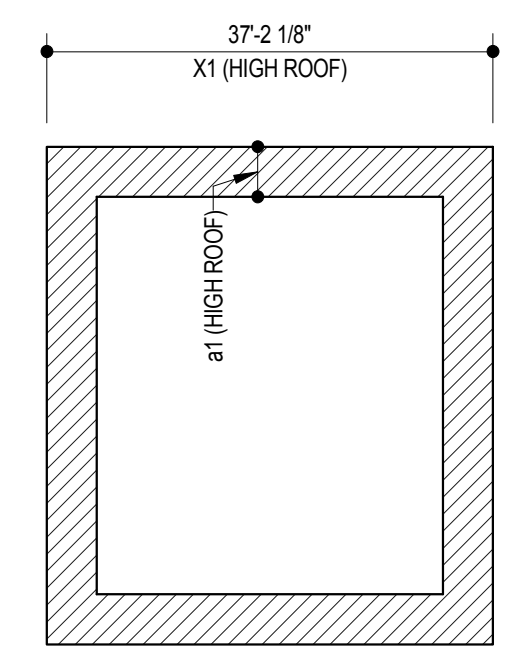


LOW ROOF FRAMING PLAN SCALE: 1/8" = 1'-0"

- 1. ELEVATION TOP OF STRUCTURAL WOOD FRAMED ROOF VARIES...
2. STRUCTURAL ROOF DECK OVER WOOD TRUSSES SHALL BE 1902' EXTERIOR 2416 EXPOSURE 1 APA RATED PLYWOOD...
3. WALL TYPES ARE SHOWN ON PLAN, THUS:
4. CONTRACTOR SHALL COORDINATE ALL DIMENSIONS AND ELEVATIONS WITH ARCHITECT PRIOR TO CONSTRUCTION.
5. ALL WOOD STUDS SHALL BE NO. 1 NO. 2 SPRUCE PINE FIR AND SHALL BE COMPRISED OF THE FOLLOWING, UNLESS NOTED OTHERWISE.
6. WOOD TRUSS LAYOUT AS SHOWN ON PLAN IS DIAGRAMMATIC...
7. PRE-ENGINEERED TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING MINIMUM SUPERIMPOSED LIVE AND DEAD LOADS BEYOND THE SELF WEIGHT OF TRUSSES.
8. FOR WOOD BEAM AND LINTEL SCHEDULES, REFER TO SHEET S1.01...
9. STAIRS SHALL BE DESIGNED FOR 100 POUNDS PER SQUARE FOOT LIVE LOAD...
10. MASONRY WALLS SHALL BE 8" MASONRY (fm = 2500 PSI) REINFORCED PER MASONRY WALL SCHEDULE ON S1.01.
11. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR LOCATIONS AND REQUIREMENTS AT LOUVERED OPENINGS...
12. STRUCTURAL STEEL WIDE FLANGE BEAMS SHALL CONFORM TO ASTM A-992, GRADE 50...
13. ALL EXPOSED STRUCTURAL STEEL SHALL BE HOT-DIPPED GALVANIZED.
14. STAIRS SHALL BE DESIGNED FOR 100 POUNDS PER SQUARE FOOT LIVE LOAD...
15. PROVIDE DOUBLE 8" WIDE x 8" DEEP CONT. BOND BEAM AROUND PERIMETER OF ELEVATOR AND STAIR WITH 265 CONT. BOTTOM REINFORCING EACH COURSE AND FILLED SOLID WITH 3000 PSI GROUT AT EACH FLOOR AND ROOF ELEVATION.
16. FULL CONTINUITY MOMENT CONNECTIONS ARE INDICATED ON PLAN THUS: SHALL HAVE FULL PENETRATION WELDS AT BEAM TO COLUMN TO DEVELOP FULL CAPACITY OF SECTION.

Table with 4 columns: LOCATION, STUD SIZE / SPACING, EXTERIOR, NON-BEARING. Values include 2x8 AT 16" OC and 2x4 AT 24" OC (UNO).

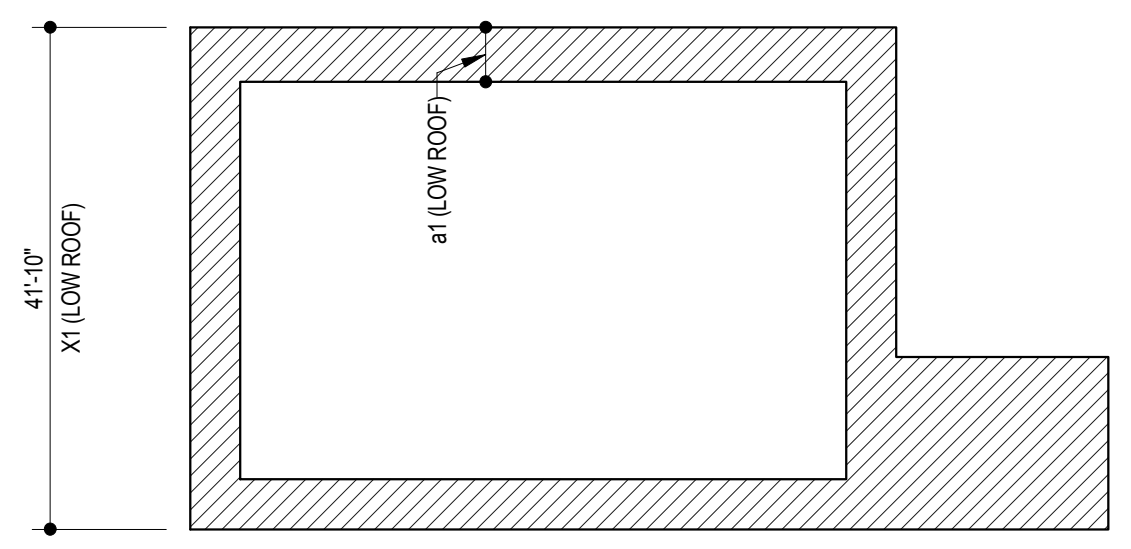
Table with 4 columns: ROOF TYPE, TOP CHORD, BOTTOM CHORD, DEAD, LIVE, DEAD, LIVE. Values include 15 PSF, 30 PSF, 10 PSF, 0 PSF.



PART PLAN: HIGH ROOF SHEATHING FASTENING

Table with 3 columns: PANEL LOCATION, ZONE 1, ZONE 2. Values include 6" and 3" for panel end and edge supports.

Wood Fastening Schedule NOT TO SCALE



PART PLAN: LOW ROOF SHEATHING FASTENING

- 1. SHEATHING FASTENERS SHALL BE 8d RING SHANK NAILS.
2. DIMENSION "n1" SHALL BE 10% OF DIMENSION "x1" OR 40% OF THE BUILDING HEIGHT (WHICHEVER IS SMALLER), BUT NOT LESS THAN 3 FEET.
3. BLOCK PANEL EDGES PERPENDICULAR TO END WALL FRAMING MEMBERS WITHIN ZONE 2. BLOCKING SHALL HAVE A MAXIMUM SPACING OF 4'-0".
4. REFER TO ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS.

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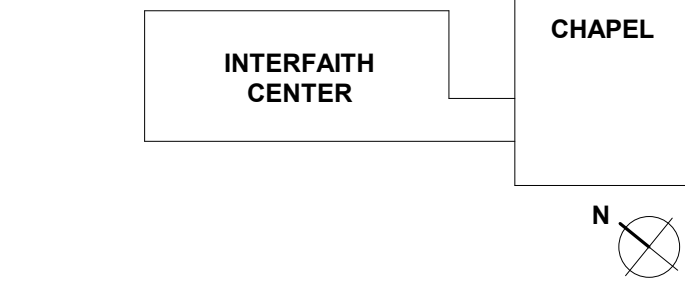
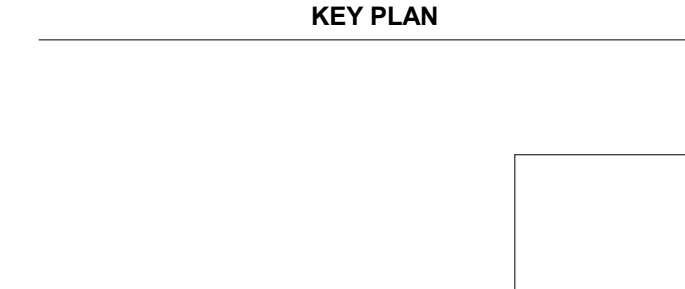
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Table with 3 columns: REV. #, DESCRIPTION, DATE. Includes revision history for the drawing.



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DRAWING INFORMATION table containing issue date, scale, job no., and drawing by.

PROJECT DESCRIPTION: FOUNDATION DETAILS AND GENERAL NOTES

DRAWING NAME: FOUNDATION DETAILS AND GENERAL NOTES

DRAWING NUMBER: S2.01

GENERAL NOTES

CONTRACTOR RESPONSIBILITIES: THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS FULLY COMPLETED. IT IS THE SOLELY CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCE, AND TO ENSURE THE STABILITY OF THE BUILDING AND ITS COMPONENT PARTS, AND THE ADEQUACY OF TEMPORARY OR INCOMPLETE CONNECTIONS DURING ERECTION. THIS INCLUDES THE ADDITION OF ANY SHORING, SHEETING, TEMPORARY GUYS, BRACING OR TIEBACKS THAT MAY BE NECESSARY. SUCH MATERIAL IS NOT SHOWN ON THE DRAWINGS. IF APPLIED, THEY SHALL BE REMOVED AS CONDITIONS PERMIT AND SHALL REMAIN THE CONTRACTOR'S PROPERTY. THE ENGINEER HAS NO EXPERTISE IN, AND TAKES NO RESPONSIBILITY FOR, CONSTRUCTION METHODS AND METHODS OR JOBSITE SAFETY DURING CONSTRUCTION. PROCESSING AND/OR APPROVED SUBMITTALS MADE BY THE CONTRACTOR WHICH RELATE TO CONSTRUCTION METHODS OR METHODS OF SAFETY ISSUES, OR PARTICIPATION IN MEETINGS WHERE SUCH ISSUES MIGHT BE DISCUSSED, SHALL NOT BE CONSTRUED AS VOLUNTARY ASSUMPTION BY THE ENGINEER OR ANY RESPONSIBILITY OF EACH CONTRACTOR TO FOLLOW ALL APPLICABLE SAFETY CODES AND REGULATIONS DURING ALL PHASES OF CONSTRUCTION. THE ENGINEER IS NOT ENGAGED IN, AND DOES NOT SUPERVISE CONSTRUCTION.

CONTROLLED FILL AND BACKFILL: SAMPLES OF ALL MATERIALS THAT THE CONTRACTOR PROPOSES TO USE FOR COMPACTED FILL SHALL BE APPROVED BY THE GEOTECHNICAL ENGINEER. COMPACTED FILL SHALL CONSIST OF LOCAL MATERIAL, FREE OF DELETERIOUS MATTER AND CLASSIFIED CL, SC, CC, GM, OR SM PER ASTM D-2487. THE CONTROL OF THE MOISTURE FOR PLACING THE FILL WILL BE BASED ON THE RESULTS OF COMPACTION TESTS PER ASTM D-1557. ALL COMPACTED FILL SHALL HAVE A DENSITY OF AT LEAST 95% OF THE PROCTOR MAXIMUM DRY DENSITY AS DETERMINED BY ASTM D-1557. PRIOR TO PLACEMENT OF ANY FILLS, THE SITE SHALL BE STRIPPED OF ALL TOPSOIL, VEGETATION, ROCKS, AND ORGANIC MATERIALS AND THE EXPOSED SURGRADE SHALL BE COMPACTED IN PLACE TO A CONFIRMED DENSITY OF 95% OF THE MODIFIED PROCTOR MAXIMUM DRY DENSITY. FILL MATERIAL SHALL BE PLACED IN LOOSE LIFTS NOT EXCEEDING 9" IN THICKNESS AND SHALL BE MIXED, SPREAD AND PLACED IN SUCH A MANNER AS TO PRODUCE A UNIFORM THICKNESS OF MATERIAL AFTER PLACING. EACH LAYER OF FILL SHALL BE COMPACTED WITH A MINIMUM OF 6 COMPLETE PASSES ON ALL PORTIONS OF THE SURFACE OF EACH LIFT OF FILL BY RUBBER-TIRED ROLLERS, SHEEPS-FOOT ROLLERS OR OTHER MECHANICAL EQUIPMENT UNDER THE SUPERVISION OF THE ENGINEER. FILL SHOULD NOT BE ALLOWED WITHIN 4 FEET OF STRUCTURES UNLESS A MINIMUM 2 FEET DEPTH OF FILL COVERS THE STRUCTURES. WHENEVER IN PLACE DENSITIES ARE FOUND BELOW ACCEPTABLE LIMITS, ADDITIONAL ROLLING TO PRODUCE THE SPECIFIED DENSITIES SHALL BE REQUIRED. THE CONTRACTOR SHALL TAKE ALL MEASURES REQUIRED TO PROVIDE FOR FREE DRAINAGE OF THE SITE AND TO PREVENT PONDING OF WATER. SEDIMENT CONTROL MEASURES SHALL BE MAINTAINED AT ALL TIMES TO PREVENT EROSION OF SOILS. PLACING OF FILL WITH MOISTURE CONTENT TOO HIGH OR TOO LOW FOR PROPER COMPACTION; PLACING OF FILL WHEN FREE WATER IS STANDING ON THE EXISTING FILL SURFACE; PLACING OF FILL IN A FROZEN CONDITION OR ON TOP OF FROZEN MATTER WILL NOT BE PERMITTED. THE SOILS VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER. IF SOIL OF THIS BEARING CAPACITY IS NOT ENCOUNTERED AT THE ELEVATIONS INDICATED ON THE CONTRACT DRAWINGS, FOOTINGS SHALL BE LOWERED OR REDIRECTED BY THE STRUCTURAL ENGINEER. ELEVATIONS SHOWN ON PLAN ARE TO THE BOTTOM OF THE FOOTINGS.

FOUNDATIONS: SPREAD FOOTINGS: BOTTOM OF ALL FOOTINGS SHALL BE A MINIMUM OF 2'-0" BELOW ORIGINAL GRADE OR PLACED IN APPROVED COMPACTED FILL. BOTTOM OF ALL EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 2'-0" BELOW FINISHED GRADE. FOR SOIL BEARING CAPACITY THAT WAS USED IN THE FOUNDATION DESIGN, SEE PLAN. SOIL BEARING VALUES SHALL BE VERIFIED BY A REGISTERED GEOTECHNICAL ENGINEER. IF SOIL OF THIS BEARING CAPACITY IS NOT ENCOUNTERED AT THE ELEVATIONS INDICATED ON THE CONTRACT DRAWINGS, FOOTINGS SHALL BE LOWERED OR REDIRECTED BY THE STRUCTURAL ENGINEER. ELEVATIONS SHOWN ON PLAN ARE TO THE BOTTOM OF THE FOOTINGS.

CONCRETE: ALL CONCRETE WORK SHALL CONFORM TO ALL THE PROVISIONS OF THE "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS (ACI 301-R8) AND TO THE "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-R8). ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 POUNDS PER SQUARE INCH. ADDITIONALLY, THE CONCRETE SHALL CONFORM TO ALL THE PROVISIONS OF "RECOMMENDED PRACTICE FOR HOT WEATHER CONCRETE" (ACI 305-R8) AND "RECOMMENDED PRACTICE FOR COLD WEATHER CONCRETE" (ACI 308-R8). ALL FORMWORK SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE "FORMWORK FOR CONCRETE" SPECIAL PUBLICATION NO. 4 AND ACI "STANDARD RECOMMENDED PRACTICE FOR CONCRETE FORMWORK" (ACI 347-LATEST EDITION). ALL CONCRETE EXPOSED TO THE WEATHER SHALL HAVE AN AIR ENTRAINMENT OF 5% +/- 1%. THE MAXIMUM WATER CEMENT RATIO W/C SHALL NOT EXCEED 0.53 FOR ALL CONCRETE EXCEPT CONCRETE EXPOSED TO WEATHER WHICH SHALL NOT EXCEED 0.45. NO ADMIXTURES CONTAINING CALCIUM CHLORIDE SHALL BE PERMITTED. THE MAXIMUM SLUMP OF ALL CONCRETE SHALL BE 4". FLOOR SLABS SHALL BE FINISHED TO A MINIMUM FINATNESS F-NUMBER F1 + 30 AND A MINIMUM LEVELNESS F-NUMBER F1 + 25 IN ANY DIRECTION. ALL CONCRETE SHALL BE CURED WITH A SEALING COMPOUND CONFORMING TO ASTM C-308, TYPE I AND FEDERAL SPECIFICATION TT-C-00800 OR OTHER APPROVED METHOD WHICH IS COMPATIBLE WITH FLOORING ADHESIVES AND OTHER SURFACE TREATMENTS. ALL CONCRETE SHALL BE CURED WITH A SEALING COMPOUND CAPABLE OF PREVENTING INFILTRATION OF WATER BORNE CHLORIDES SUCH AS CONCRETE #1 BY CONCRETE MARKETING & MANUFACTURING CORPORATION. LOADS GREATER THAN THE DESIGN LIVE LOADS SHALL NOT BE PLACED ON THE STRUCTURE. A CONCRETE STRUCTURE MAY NOT SUPPORT ITS DESIGN LIVE LOAD FOR 28 DAYS. CONTRACTOR SHALL SUPPORT ADJACENT STRUCTURES, UTILITIES, AND EXCAVATIONS REQUIRED FOR COMPLETION OF WORK. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL TEMPORARY FORMWORK INCLUDING STRIPPING PROCEDURES FOR CONCRETE FLAT SLABS, SHEETING, SHORING, UNDERPINNING, ETC. SEALED BY A REGISTERED PROFESSIONAL ENGINEER AS PART OF THE CONTRACTOR'S WORK.

CONCRETE SLAB ON GRADE CONSTRUCTION: THE CONCRETE SLABS ON GRADE FOR THIS PROJECT HAVE BEEN DESIGNED UTILIZING A MODULUS OF SUBGRADE REACTION "K" EQUAL TO 250 PCF FOR ALL WAREHOUSES, LOADING DOCKS, AND OTHER STORAGE AREAS, AND A MODULUS OF SUBGRADE REACTION "K" EQUAL TO 100 PCF FOR ALL OTHER AREAS OF THE CONCRETE SLABS ON GRADE. PLEASE NOTE THAT THE CONCRETE SLABS ON GRADE THROUGHOUT THIS PROJECT ARE NOT DESIGNED TO SUPPORT THE CRANES USED DURING THE ERECTION OF THE STRUCTURE. STEEL OR CONCRETE TILT-UP WALL BEARING PANELS, IF THE CONTRACTOR ELECTS TO PLACE THE CRANE ON THE CONCRETE SLAB ON GRADE, IT IS THE CONTRACTOR'S RESPONSIBILITY TO TAKE ALL NECESSARY PRECAUTIONS, INCLUDING THE TEMPORARY INSTALLATION OF WOOD CRIBS ON THE SLAB, IN ORDER TO PREVENT CRACKS FROM FORMING IN THE SLABS ON GRADE. ALL CRACKS WHICH FORM IN THE CONCRETE SLABS ON GRADE DUE TO THE CRANE BEING PLACED ON THE SLAB WILL BE REPAIRED OR REPAIRED TO THE APPROVAL OF THE STRUCTURAL ENGINEER AND OWNER AND THE CONTRACTOR'S EXPENSE.

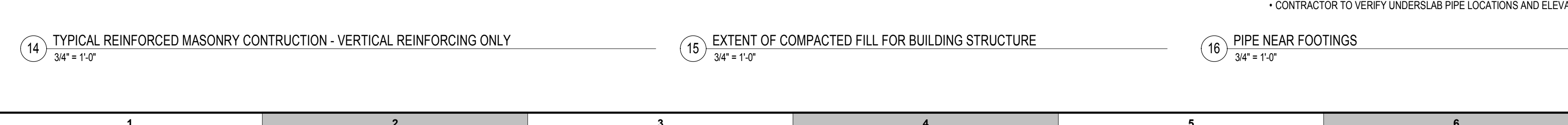
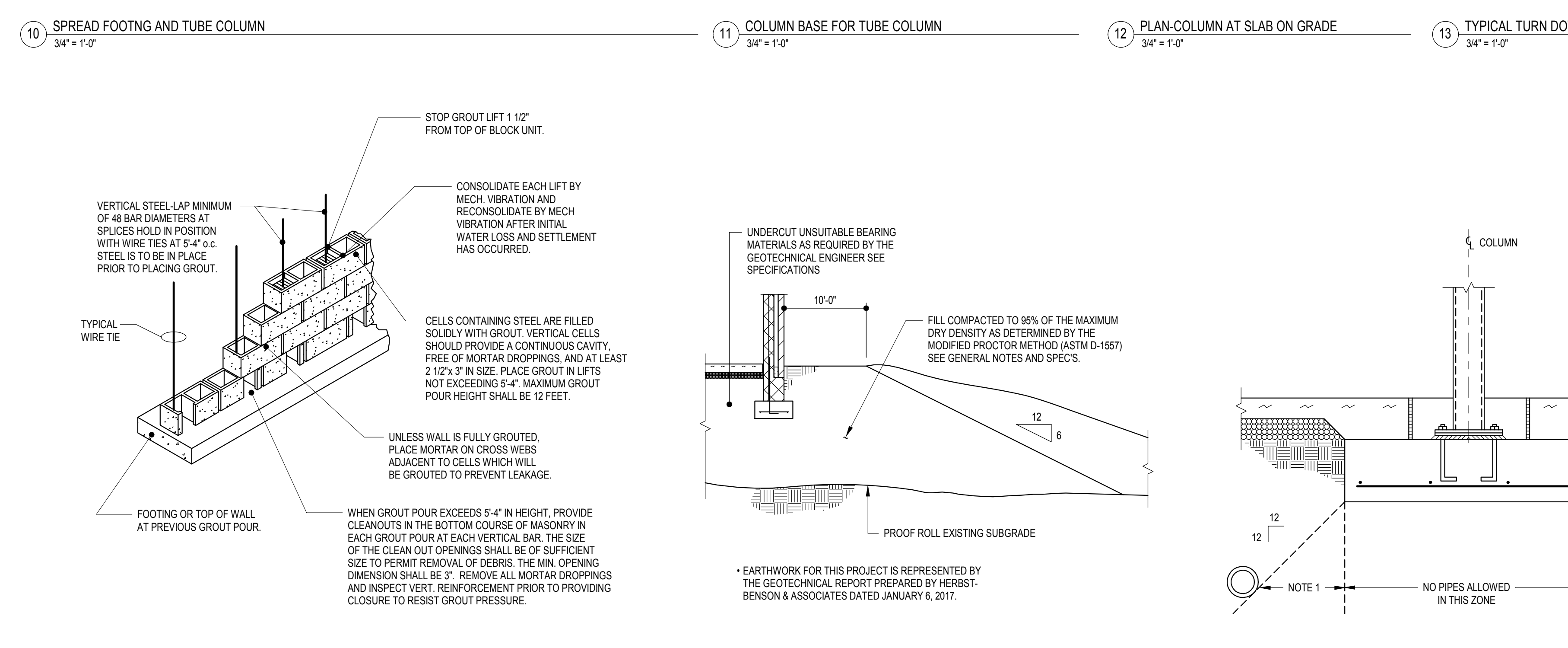
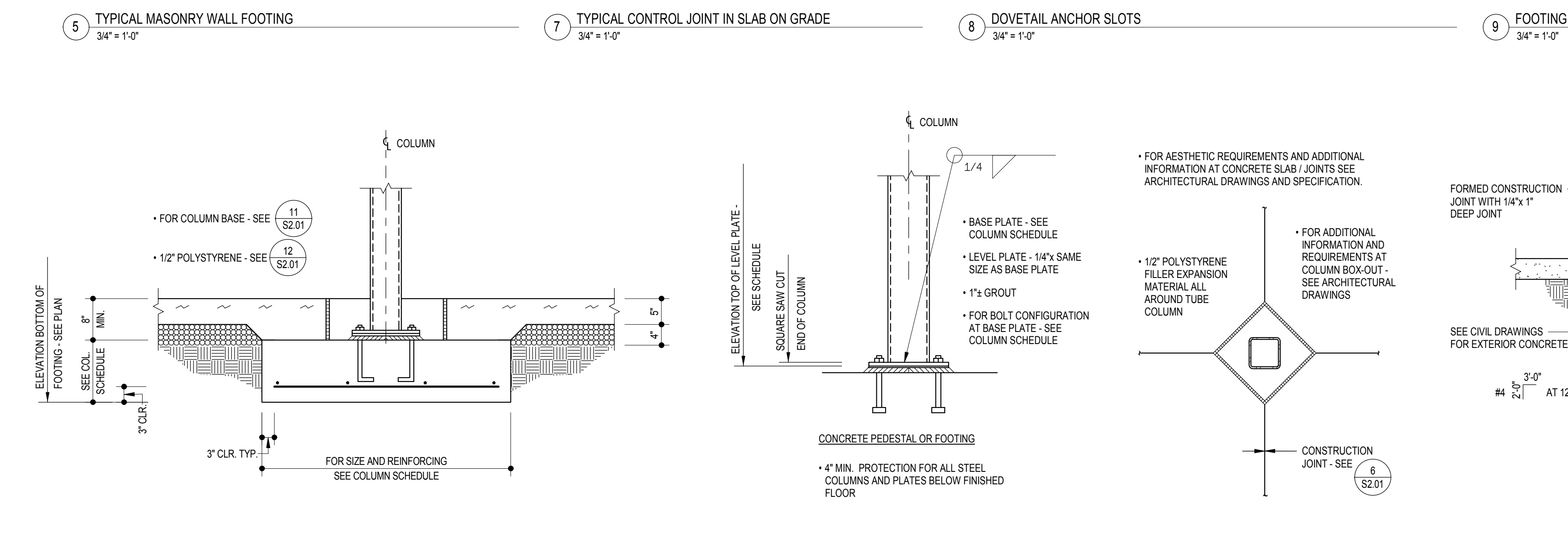
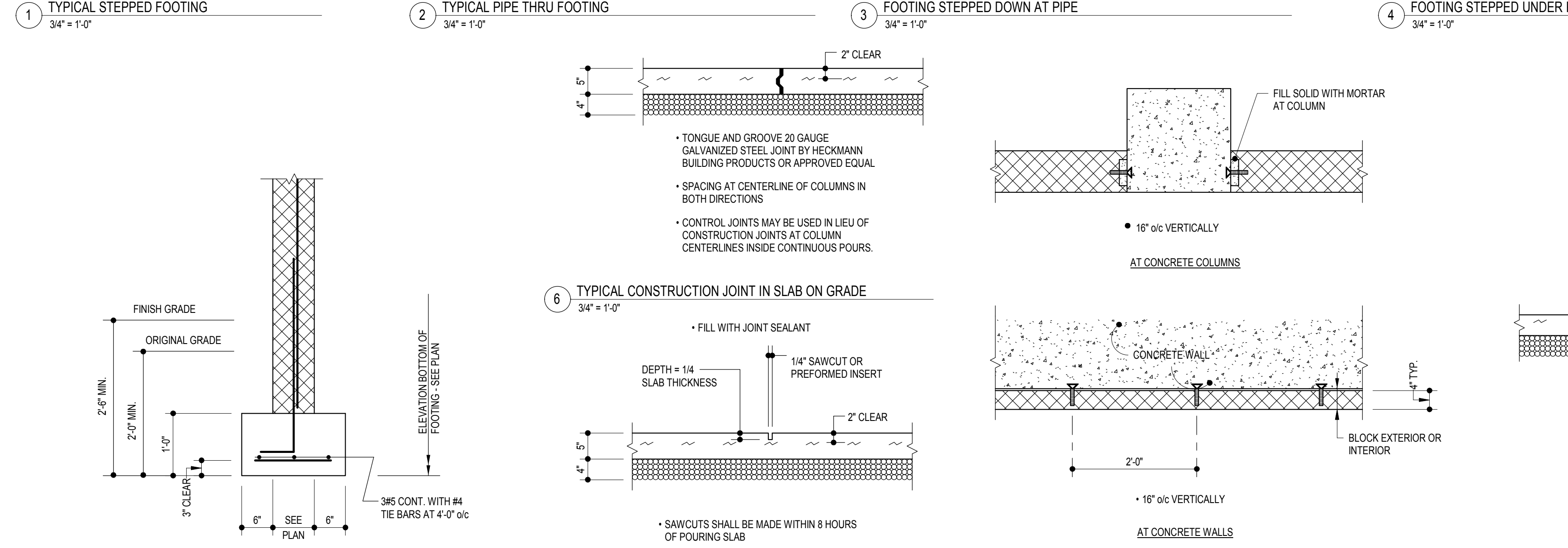
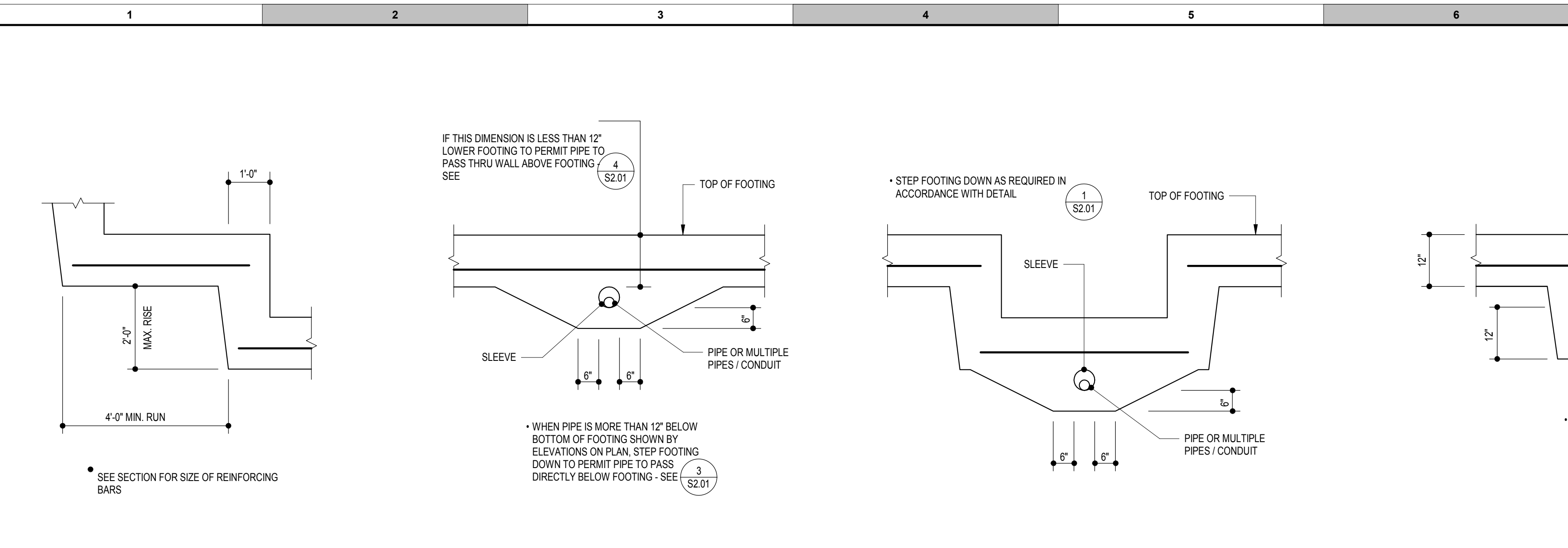
REINFORCING STEEL: REINFORCING STEEL SHALL BE DEFORMED BARS IN ACCORDANCE WITH ASTM A-603. BENDS ARE TO BE FABRICATED AS PER DETAIL. PLACE MAIN REINFORCING STEEL SO AS TO PROVIDE 3" MINIMUM COVER FOR FOUNDATIONS POURED ON EARTH; 2" MINIMUM COVER FOR BEAMS AND COLUMNS; 3/4" MINIMUM COVER FOR SLABS AND 1 1/2" FOR ALL REBAR IN EXPOSED CONCRETE. EXCEPT AS OTHERWISE DETAIL, ALL BEAM AND SLAB STEEL SHALL HAVE A MINIMUM EXTENSION INTO THE SUPPORTS IN ACCORDANCE WITH THE LATEST ADDITION OF THE AISC CODE. PROVIDE ACCESSORIES AND BAR SUPPORTS IN ACCORDANCE WITH THE MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI 318-08). TOP REINFORCING IN PARKING DECKS AND ALL OTHER REINFORCING SHOWN ON THE CONTRACT DOCUMENTS SHALL BE EPOXY-COATED CONFORMING TO ASTM A-776 FOR BARS AND ASTM A-776 FOR WELDED FABRIC. WHERE REQUIRED, DAMAGED AND CUT EPOXY-COATING SHALL BE REPAIRED WITH PATCHING MATERIAL CONFORMING TO ASTM A-776. EPOXY-COATED REINFORCING BARS SHALL REST ON COATED WIRE BAR SUPPORTS MADE OF BLENDED MATERIAL FOR A MINIMUM DISTANCE OF 4 INCHES FROM POINT OF CONTACT WITH EPOXY-COATED REBAR. EPOXY-COATED REINFORCING BARS SHALL BE FASTENED WITH NYLON, EPOXY, OR PLASTIC-COATED WIRE. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-95. GRADE 60, UNLESS OTHERWISE NOTED. W/W REINFORCING SHALL BE PLACED AT MID-DEPTH OF SLABS ON GRADE AND DRAPED OVER SUPPORTS IN CONCRETE SLABS ON CENTERING. END LAPS OF ALL W/W REINFORCING SHALL BE LAPPED 7" MINIMUM. CONCRETE ENGINEERED REINFORCING FIBERS SHALL BE POLYPROPYLENE COLLATED, FIBRILLATED FIBERS FROM FERBERESH, INC. INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

STRUCTURAL STEEL: STRUCTURAL STEEL PLATES, ANGLES, CHANNELS, BARS, AND ROLLED S, M, AND HP SHAPES SHALL CONFORM TO ASTM A-36. ROLLED WIDE FLANGE SHAPES SHALL CONFORM TO ASTM A-992. GRADE 50. ASTM A-572, GRADE 50. ASTM A-588, GRADE 50. STRUCTURAL STEEL TUBULAR SHAPES SHALL CONFORM TO ASTM A-500, GRADE B (F460NS) AND STRUCTURAL STEEL PIPES SHALL CONFORM TO ASTM A-53, TYPES A OR S, GRADE B (F483NS). ANCHOR BOLTS SHALL CONFORM TO ASTM F1554, GRADE 36. ALL CONNECTIONS WITH SLOTTED AND OVERSIZE HOLES SHALL HAVE SLIP CRITICAL CONNECTIONS. ALL OTHER CONNECTIONS MAY BE BEARING TYPE CONNECTIONS. ALL BOLTS SHALL CONFORM TO ASTM A-325. WELDS SHALL CONFORM TO ALL THE PROVISIONS OF THE STRUCTURAL WELDING CODE, AWS D1.1:2002 OF THE AMERICAN WELDING SOCIETY EXCEPT SECTIONS 2.3, 2.4, 2.5, 8.13, 1.2 AND 9. HEADED STUD TYPE SHEAR CONNECTIONS SHALL BE COLD FINISHED CARBON STEEL COMING WITH WITH DIMENSIONS COMING WITH WITH DIMENSIONS COMING WITH WITH AISC SPECIFICATIONS. NO OPENINGS IN BEAMS OTHER THAN SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL FROM THE STRUCTURAL ENGINEER. PROVIDE 3/8" SLOTTED END CONNECTIONS. NO. 789 GREY PRIMER MANUFACTURED BY TRINEX COMPANY AND WET-SLAP PRIMER MANUFACTURED BY FARBOLD COMPANY. PROVIDE SHOP AND FIELD INSULATION FOR ALL STRUCTURAL STEEL BY A TESTING LABORATORY APPROVED BY THE STRUCTURAL ENGINEER.

MASONRY: SOLID MASONRY SHALL BE GRADE N1 IN ACCORDANCE WITH ASTM C-90 AND MAY BE 75% SOLID UNLESS OTHERWISE NOTED. HOLLOW MASONRY UNITS SHALL BE GRADE N1 CONFORMING TO ASTM C-90. MASONRY UNITS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI BASED ON THE NET CROSS SECTIONAL AREA OF THE INDIVIDUAL BLOCK UNITS. ALL MORTAR SHALL BE TYPE "S" CONFORMING TO ASTM C-270 WITH MINIMUM COMPRESSIVE STRENGTH OF 1800 PSI AT 28 DAYS. PROVIDE A MINIMUM OF 3 COURSES OF SOLID BRICK OR ONE COURSE OF 100% SOLID BLOCK PER COURSE. PROVIDE SOLID BRICK OR 100% BLOCK EXTENDING 6" BEYOND WALL ORNINGS THE FULL WALL THICKNESS DOWN TO THE FLOOR, UNLESS NOTED. ALL PORTIONS OF EXTERIOR WALL SHALL HAVE A HORIZONTAL SECTION OF 4.50 FT. OR LESS SHALL BE OF SOLID MASONRY DOWN TO FOOTINGS. PROVIDE HORIZONTAL MASONRY REINFORCING (DUR-O-WALL OR EQUAL) AT 16" OC. IN ALL MASONRY WALLS UNLESS NOTED. ALL MASONRY WALLS SHALL HAVE CONTROL JOINTS AT 40'-0" MAXIMUM. SEE ARCHITECTURAL DRAWINGS FOR LOCATIONS. ALL MORTAR JOINTS IN MASONRY WALLS HORIZONTAL AND VERTICAL SHALL BE FILLED 100% WITH MORTAR. USE BUCKETS TO MEASURE MATERIALS FOR MIXING MORTAR.

PIPE INSTALLATION PROCEDURES: 1. PIPES AND JOINTS IN THIS AREA SHALL BE DESIGNED FOR EXTERNAL BEARING PRESSURE PROJECTED FROM FOOTINGS AND EARTH PRESSURE ABOVE AND THE ENTIRE PIPE SHALL BE WRAPPED IN 1" MIN. OF STYROFOAM. CONTRACTOR TO CONSULT WITH GEOTECHNICAL ENGINEER FOR REQUIRED DESIGN LOADS. 2. BEFORE STARTING CONCRETE WORK, EXCAVATE TRENCH AND INSTALL NEW PIPE. SEE SPEC. SECTION "EXCAVATION FOR TRENCHES" FOR FURTHER REQUIREMENTS. 3. BACKFILL PIPE TRENCH WITH COMPACTED FILL. SEE GEOTECHNICAL REPORT AND CONTRACT SPECIFICATION SECTION "UTILITY TRENCH BACKFILL" FOR FURTHER REQUIREMENTS. 4. EXCAVATE AND POUR NEW FOOTINGS AND SLAB ON GRADE OVER COMPACTED FILL OR ON ORIGINAL EARTH.

PIPE NEAR FOOTINGS: NO PIPES ALLOWED IN THIS ZONE.



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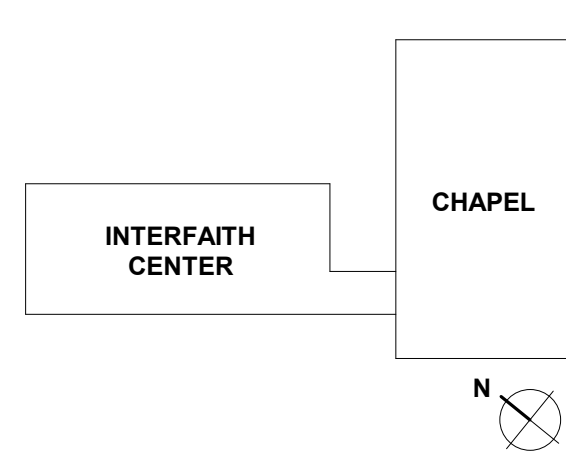
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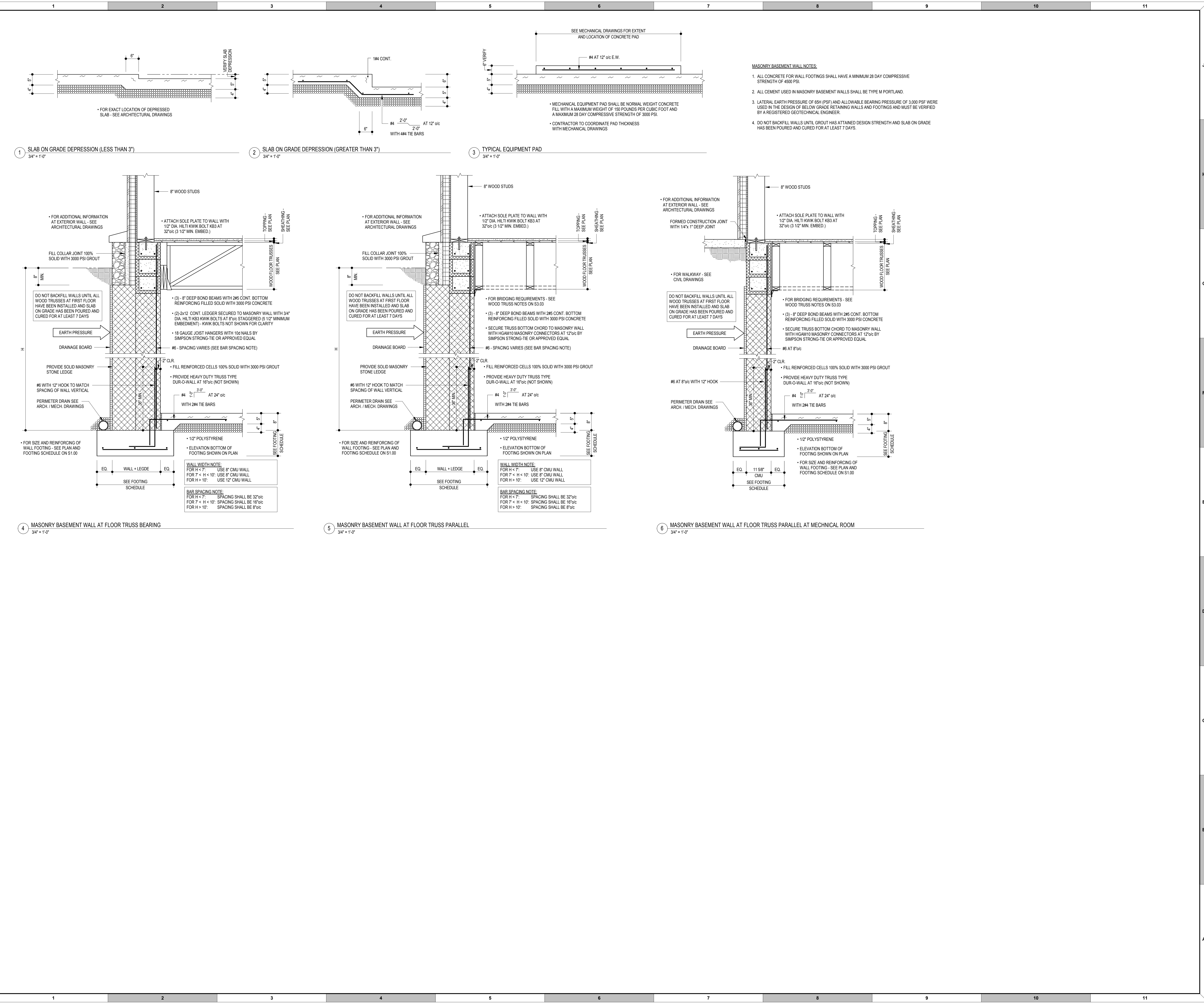
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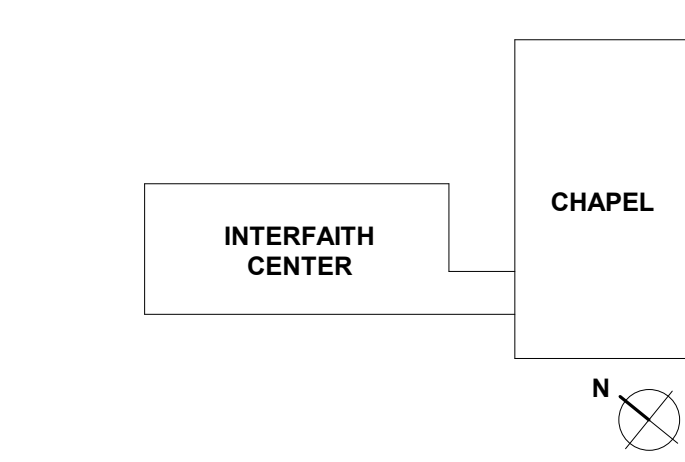


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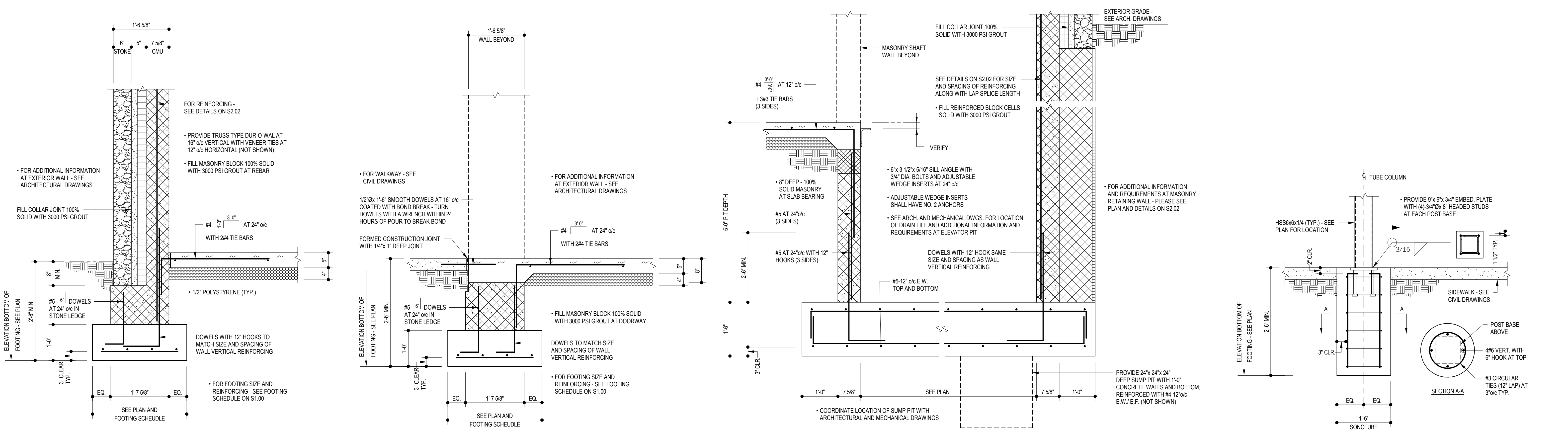
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1 EXTERIOR 8" MASONRY WALL AT FOUNDATION 3/4" = 1'-0"

2 EXTERIOR 8" MASONRY WALL AT FOUNDATION AT ENTRANCE / WINDOW 3/4" = 1'-0"

3 ELEVATOR PIT 3/4" = 1'-0"

4 SONOTUBE AT PERGOLA COLUMN 3/4" = 1'-0"

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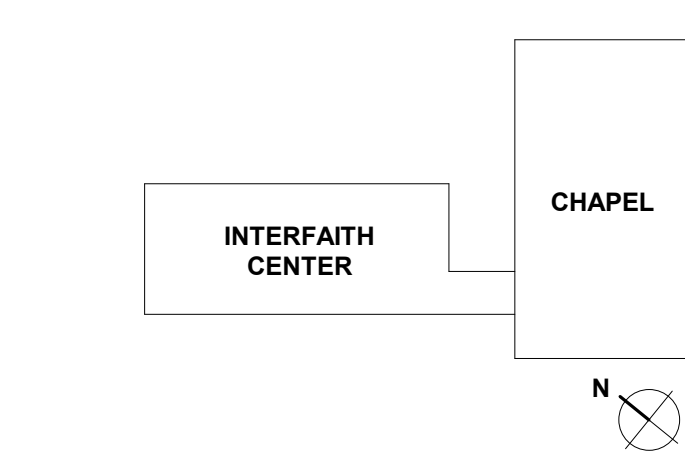
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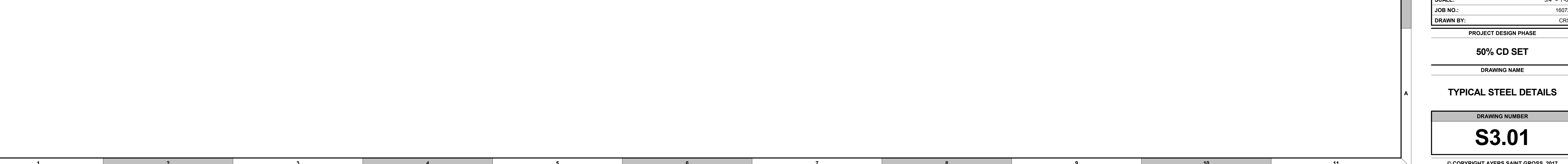
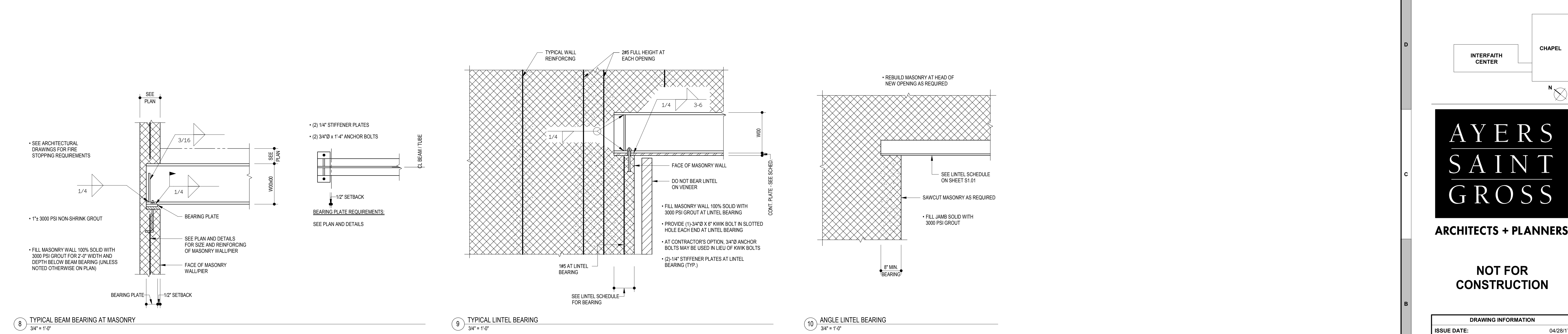
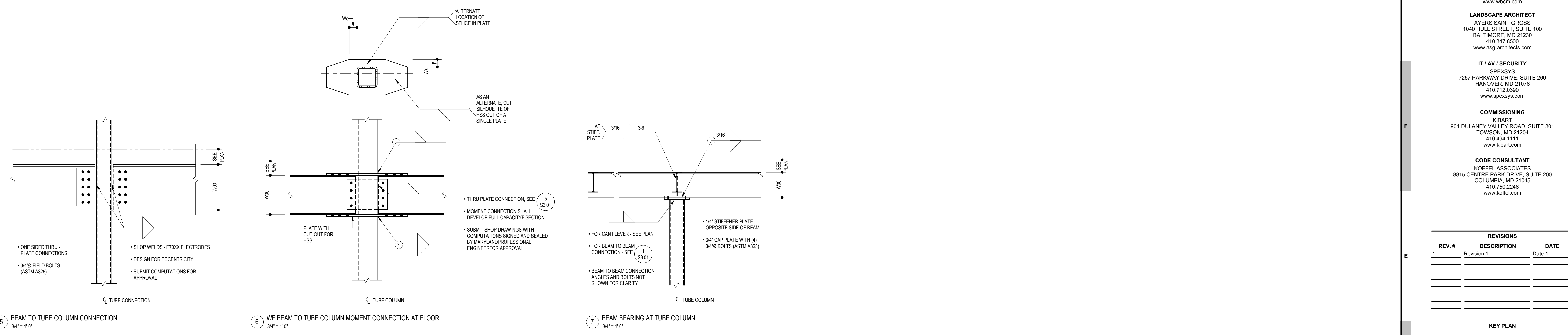
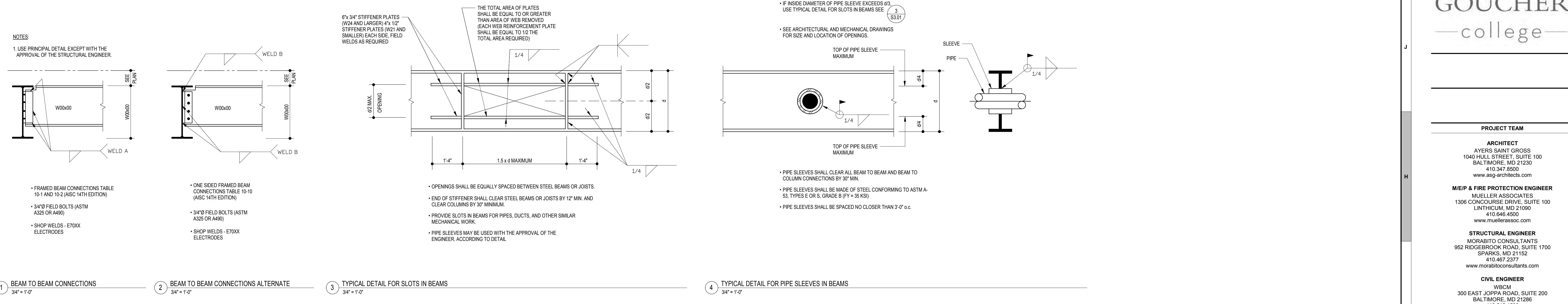
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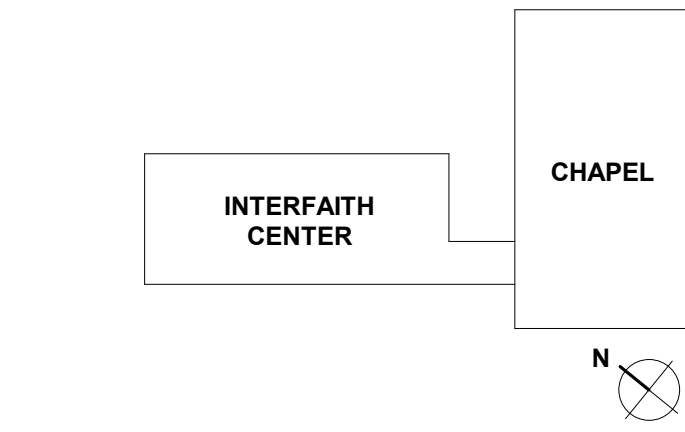
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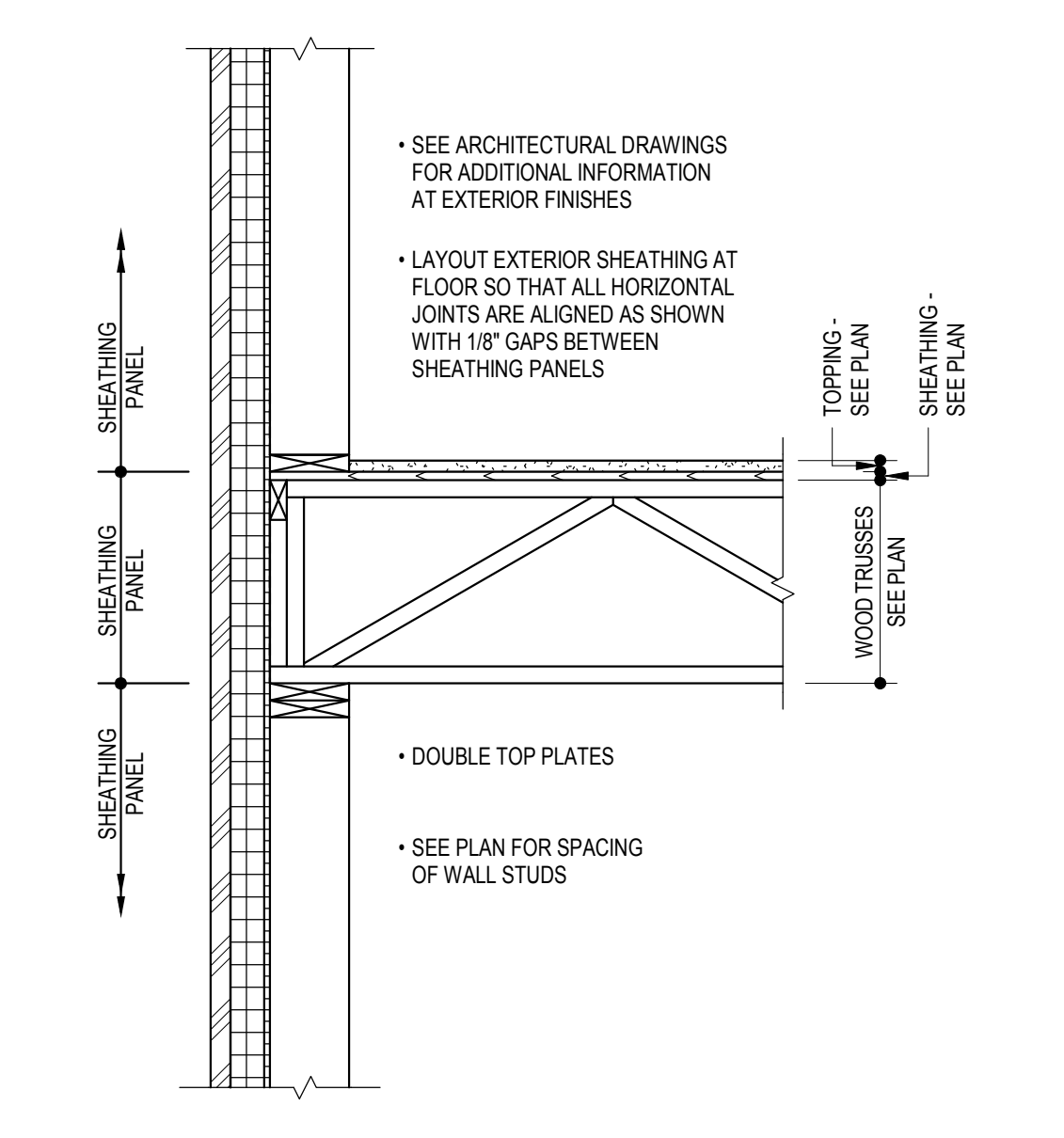
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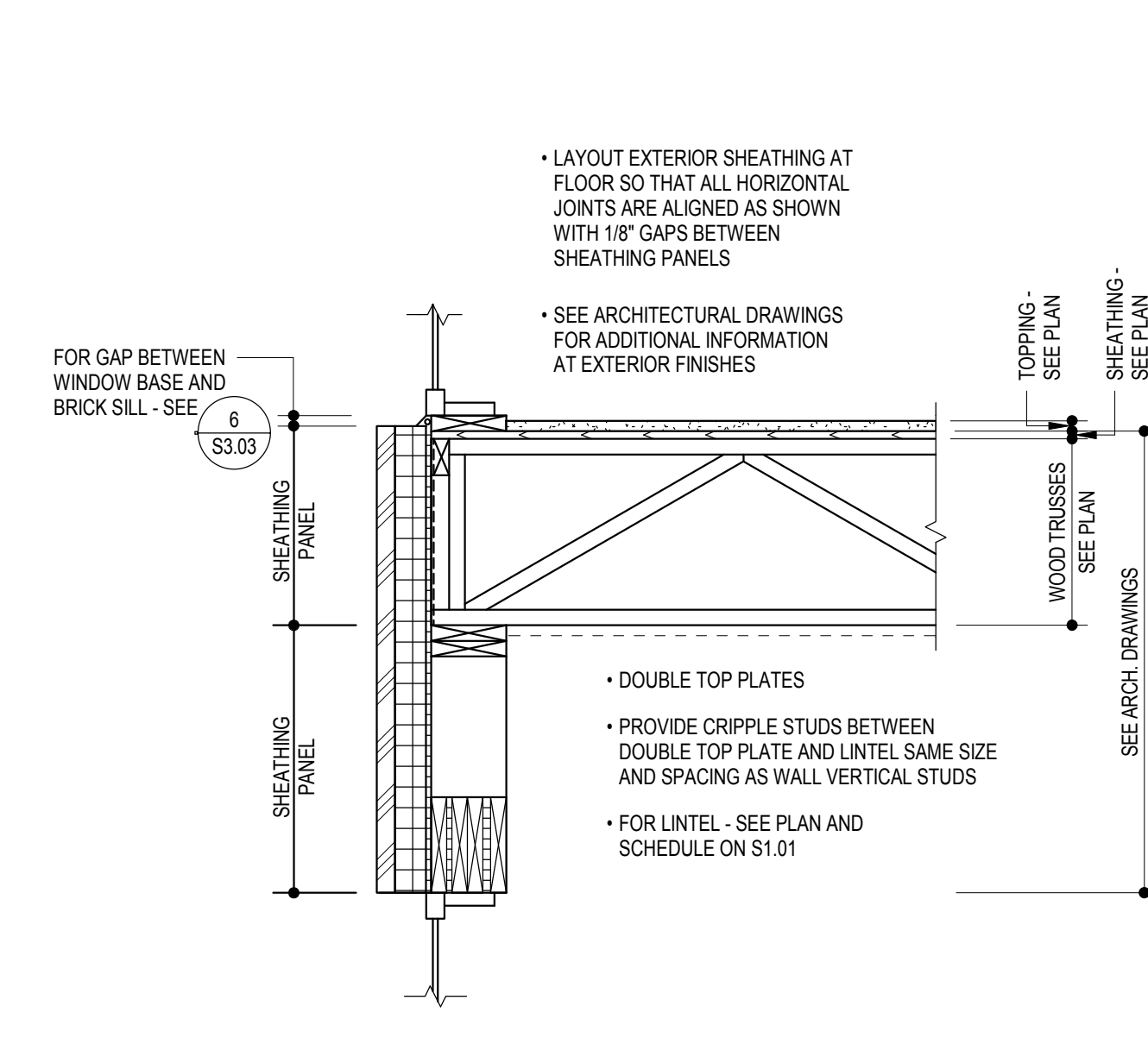
PROJECT DESIGN PHASE
50% CD SET

DRAWING NAME
FLOOR FRAMING DETAILS

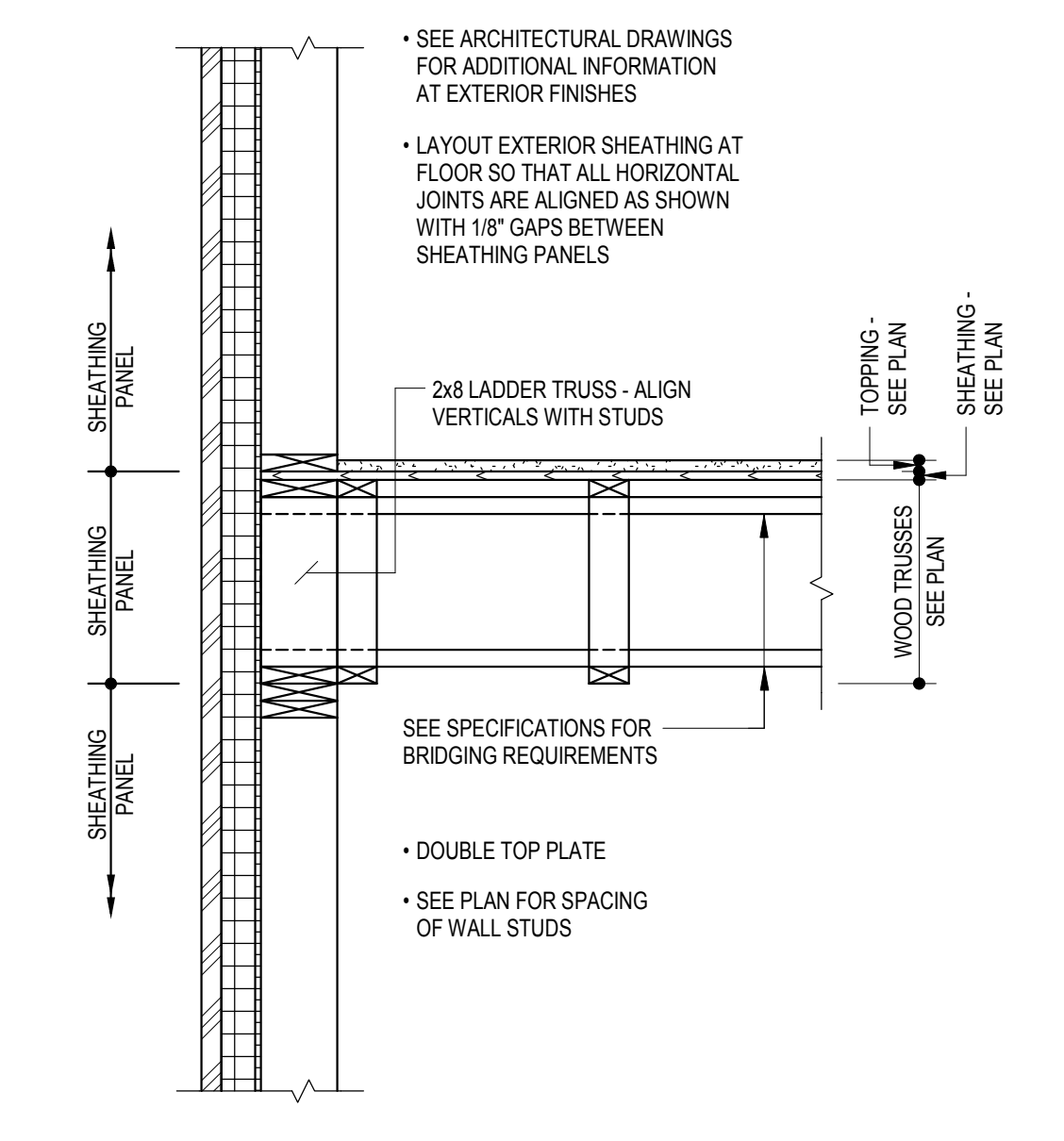
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S3.04



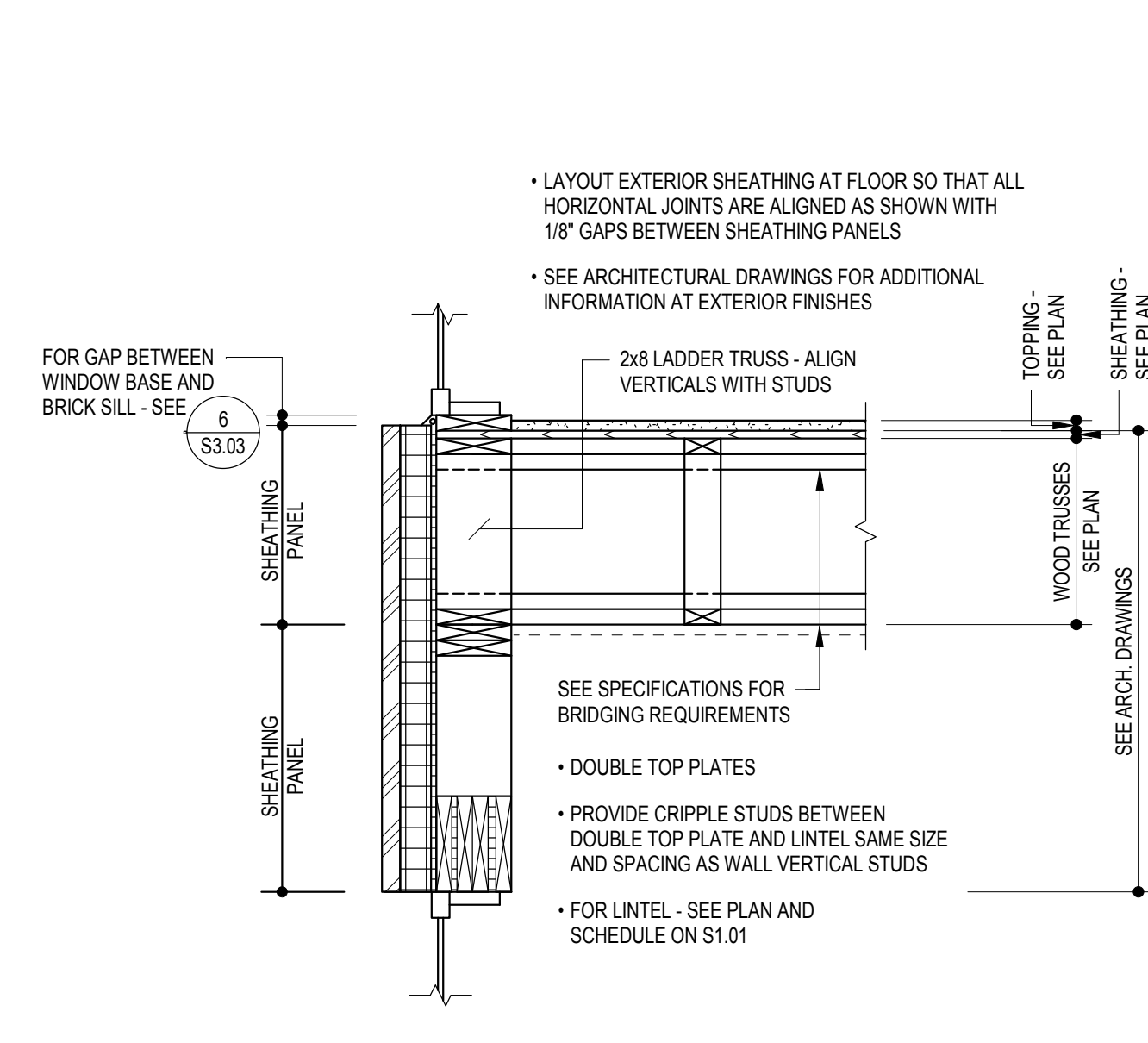
1 FLOOR TRUSSES BEARING AT EXTERIOR WALL WITH PANEL VENEER 3/4" = 1'-0"



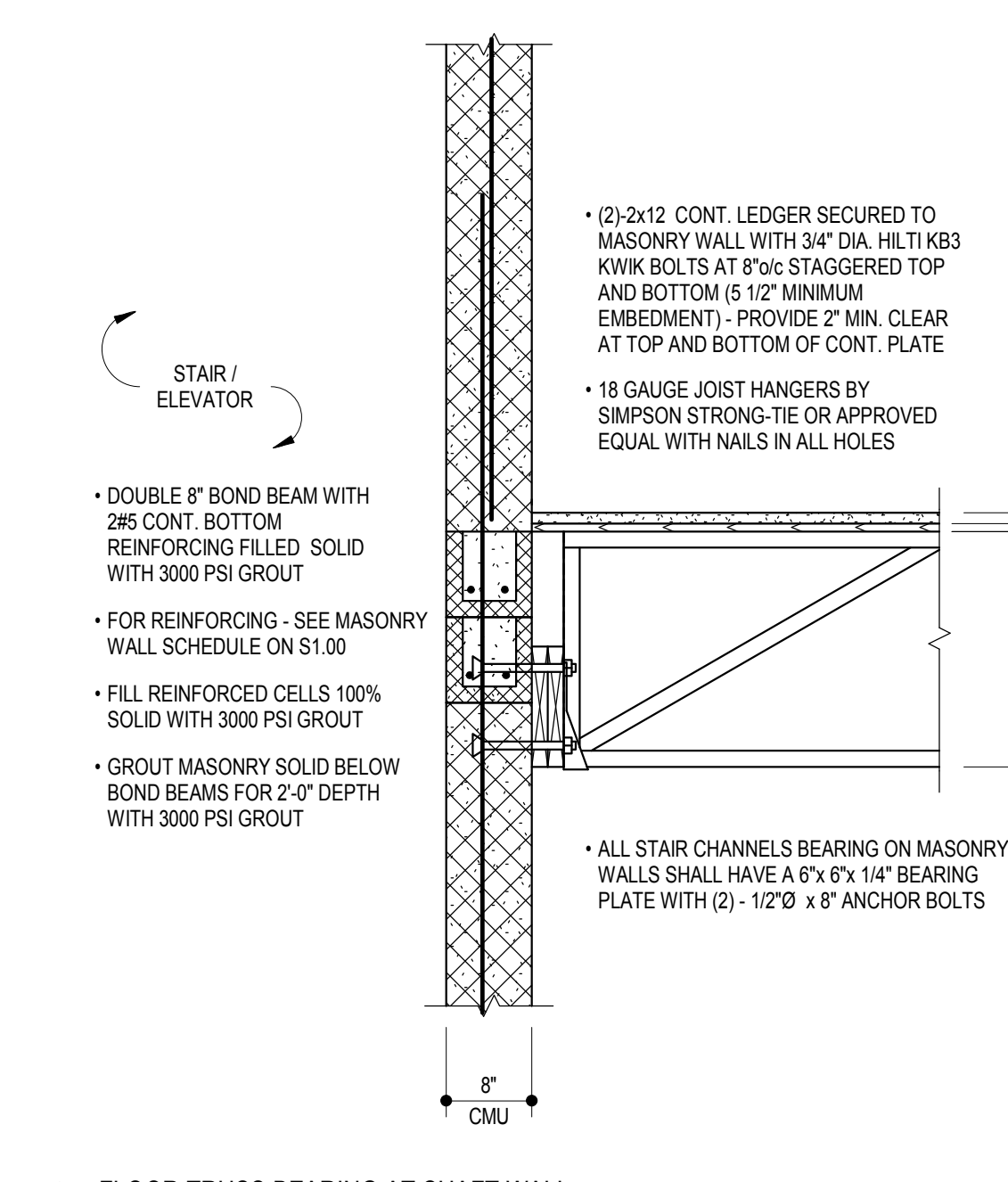
2 FLOOR TRUSSES BEARING AT EXTERIOR OPENING WITH PANEL VENEER 3/4" = 1'-0"



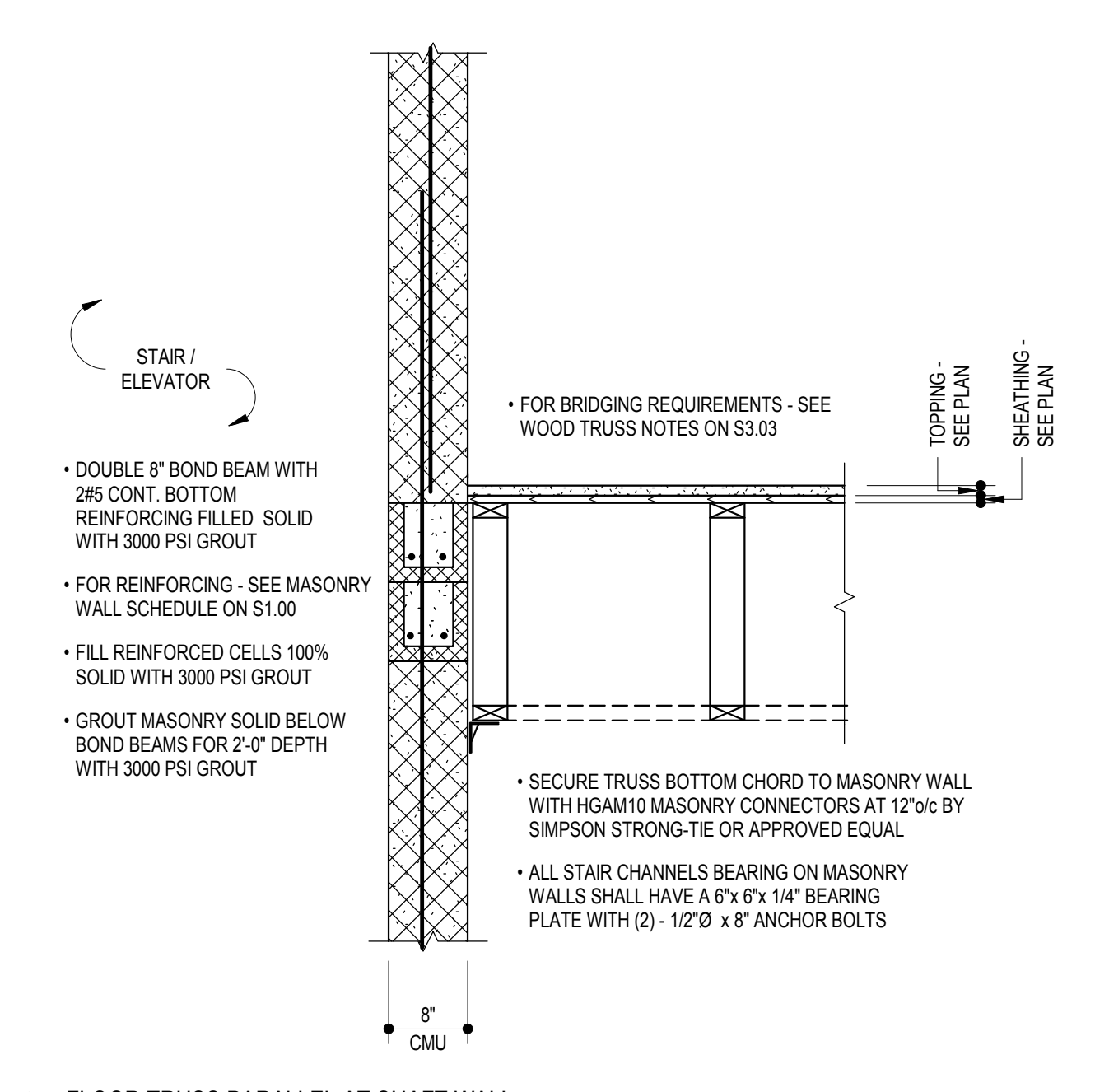
3 FLOOR TRUSSES PARALLEL TO EXTERIOR WALL WITH PANEL VENEER 3/4" = 1'-0"



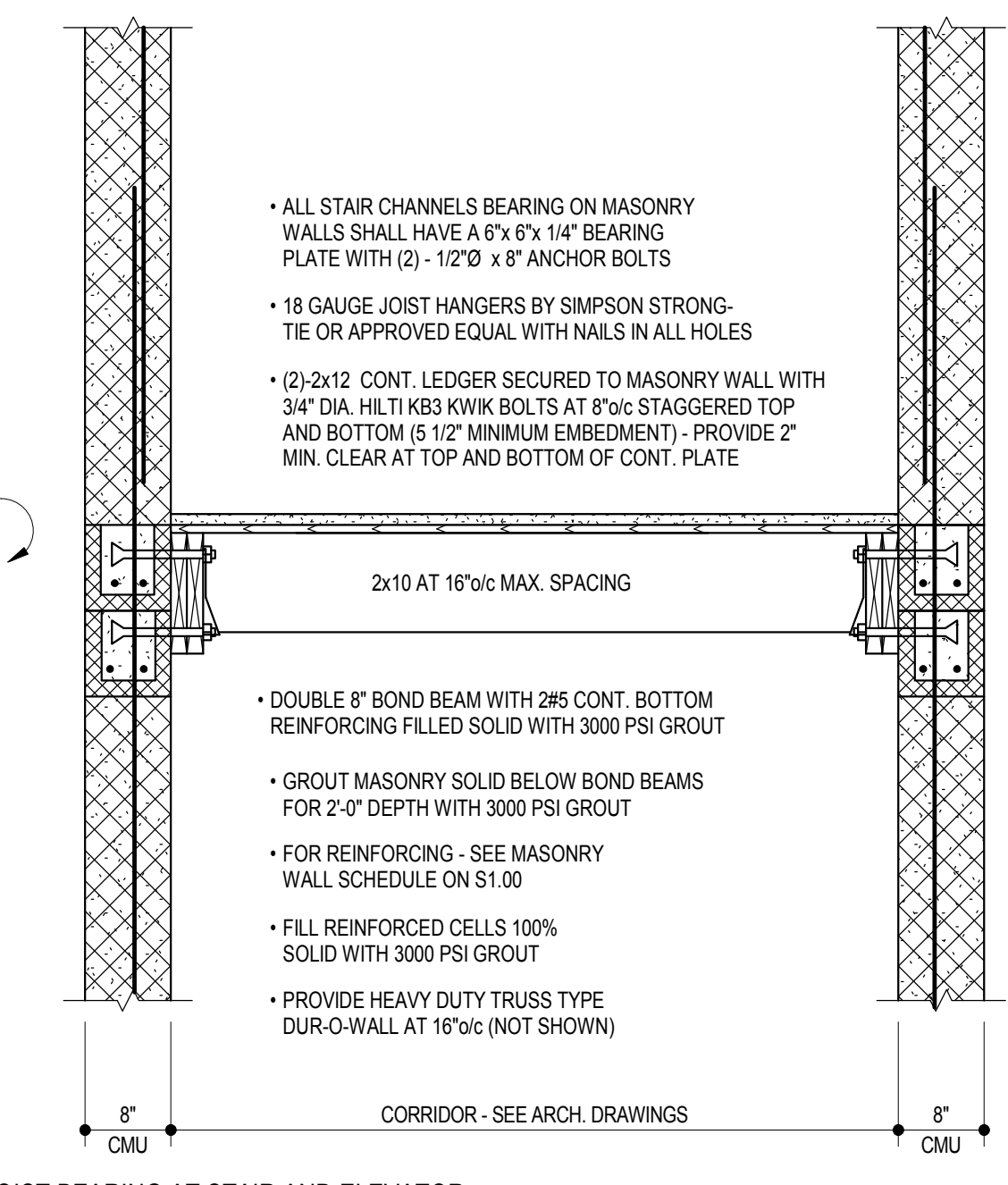
4 FLOOR TRUSSES PARALLEL TO EXTERIOR OPENING WITH PANEL VENEER 3/4" = 1'-0"



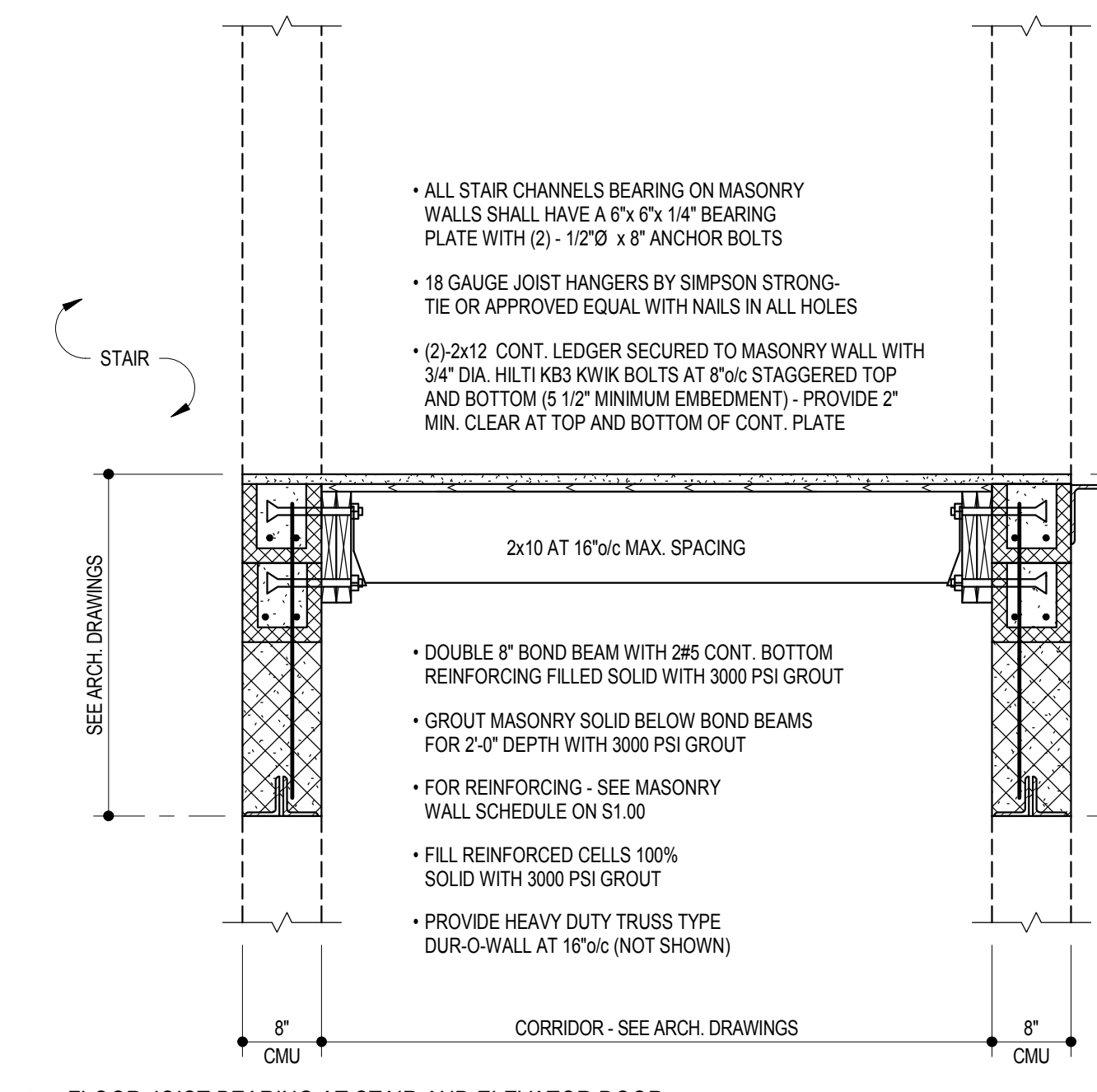
5 FLOOR TRUSS BEARING AT SHAFT WALL 3/4" = 1'-0"



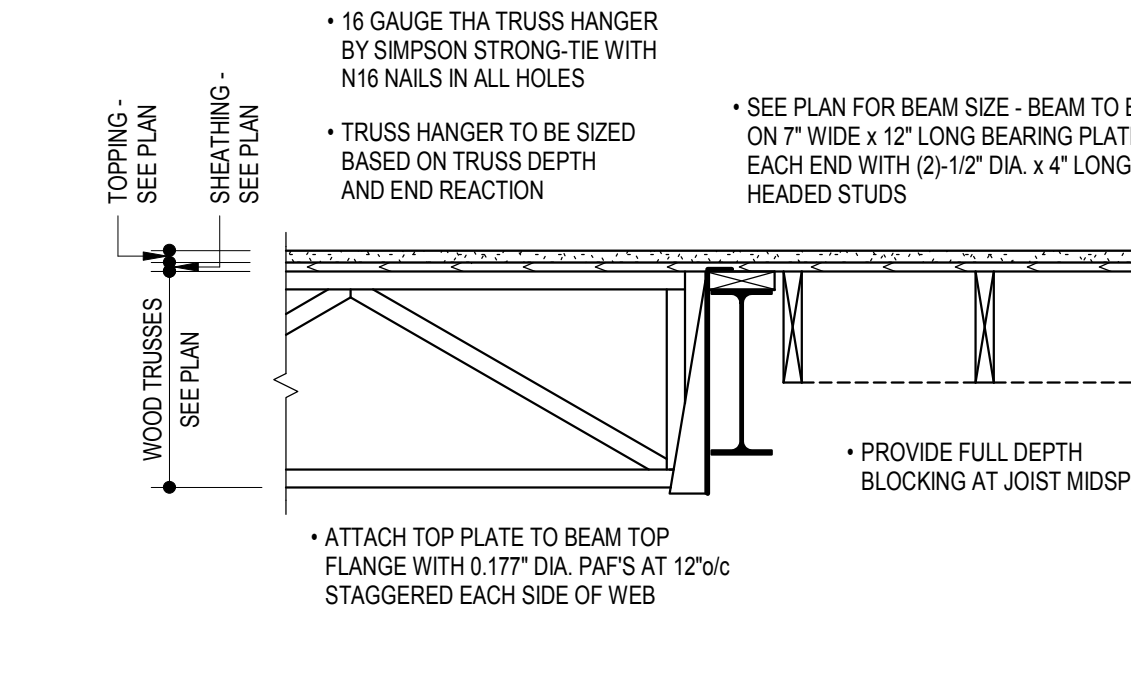
6 FLOOR TRUSS PARALLEL AT SHAFT WALL 3/4" = 1'-0"



7 FLOOR JOIST BEARING AT STAIR AND ELEVATOR 3/4" = 1'-0"



8 FLOOR JOIST BEARING AT STAIR AND ELEVATOR DOOR 3/4" = 1'-0"



9 TRUSS BEARING AND JOISTS PARALLEL AT STEEL BEAM 3/4" = 1'-0"

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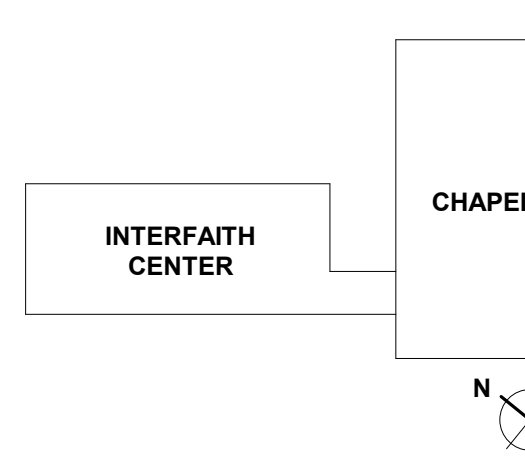
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KEY PLAN



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Table with 2 columns: DRAWING INFORMATION, DATE. Includes fields for ISSUE DATE, SCALE, JOB NO., and DRAWN BY.

PROJECT DESIGN PHASE

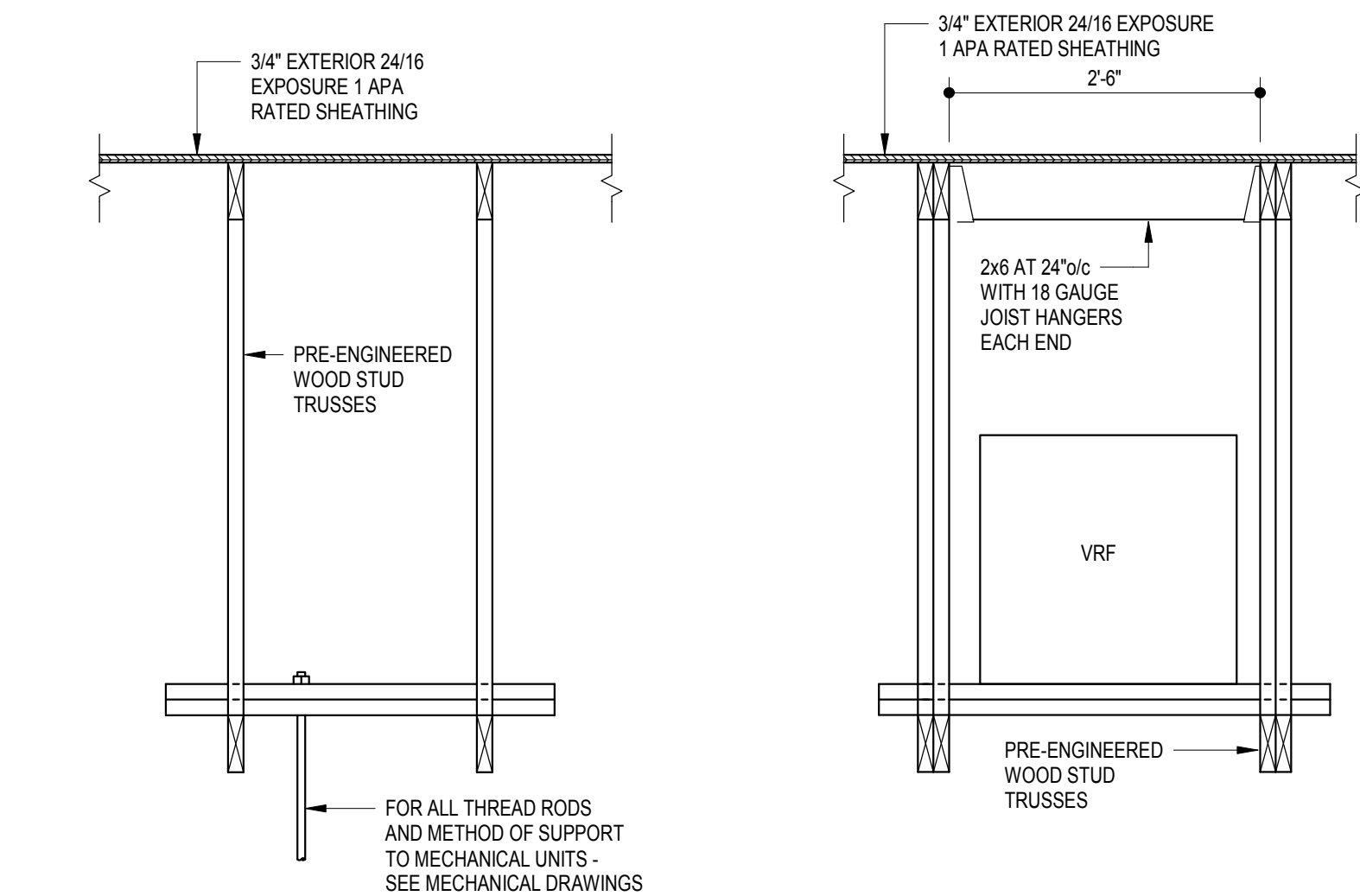
50% CD SET

DRAWING NAME

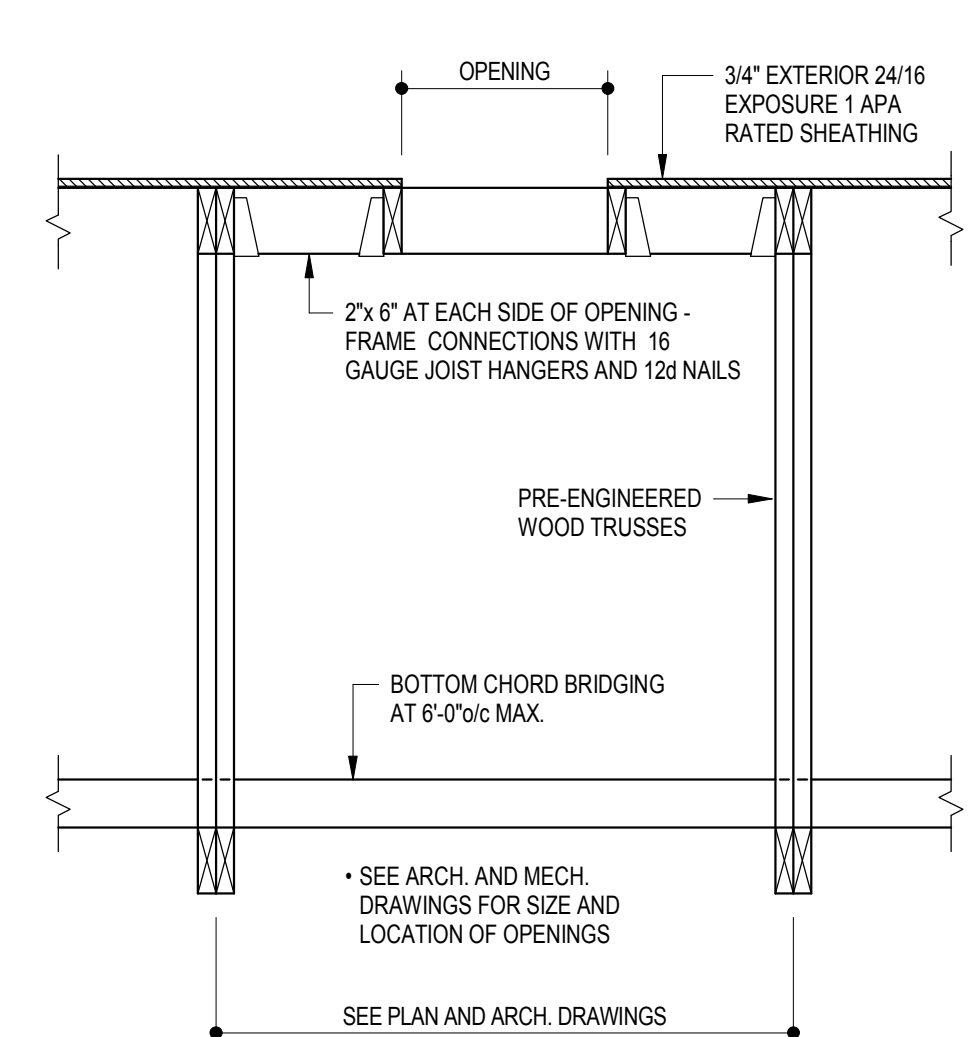
TYPICAL ROOF DETAILS

DRAWING NUMBER

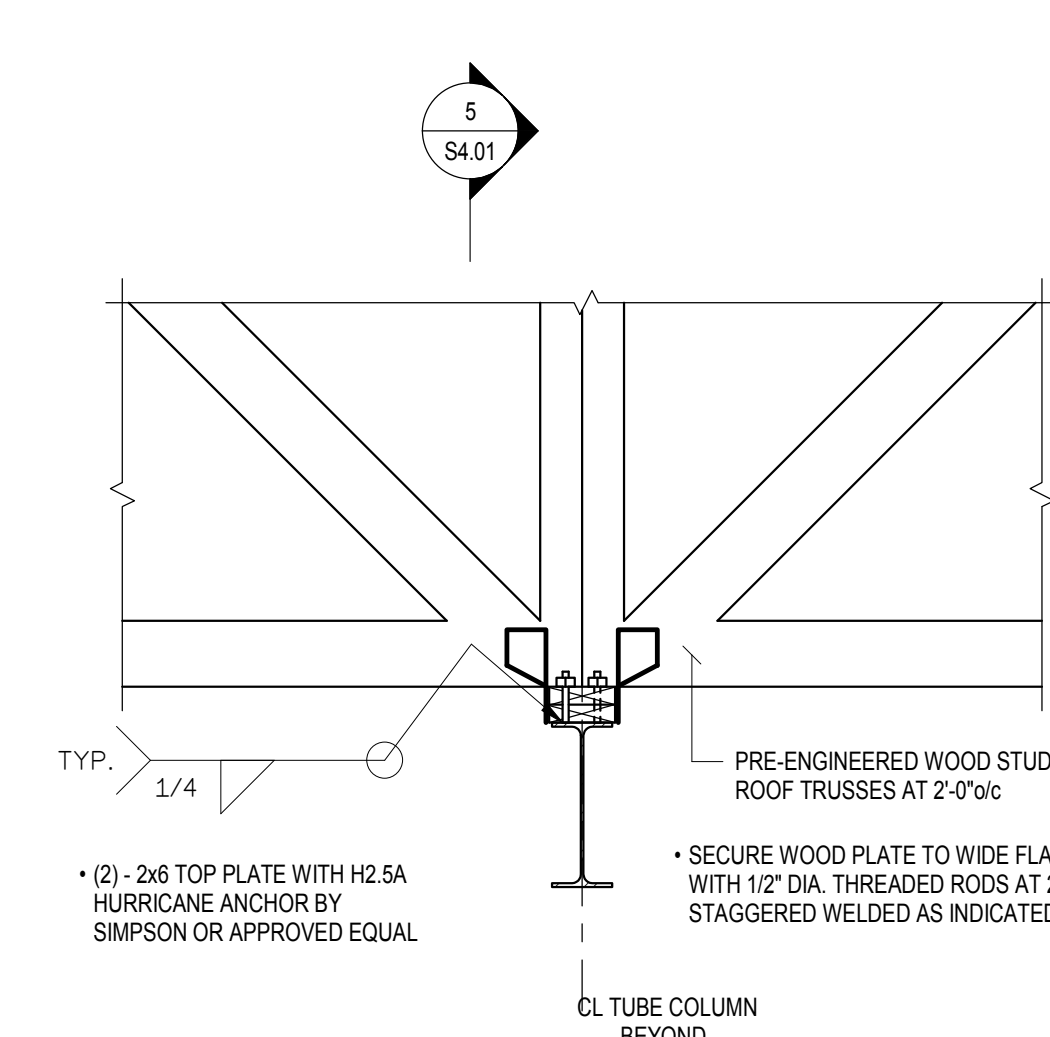
S4.01



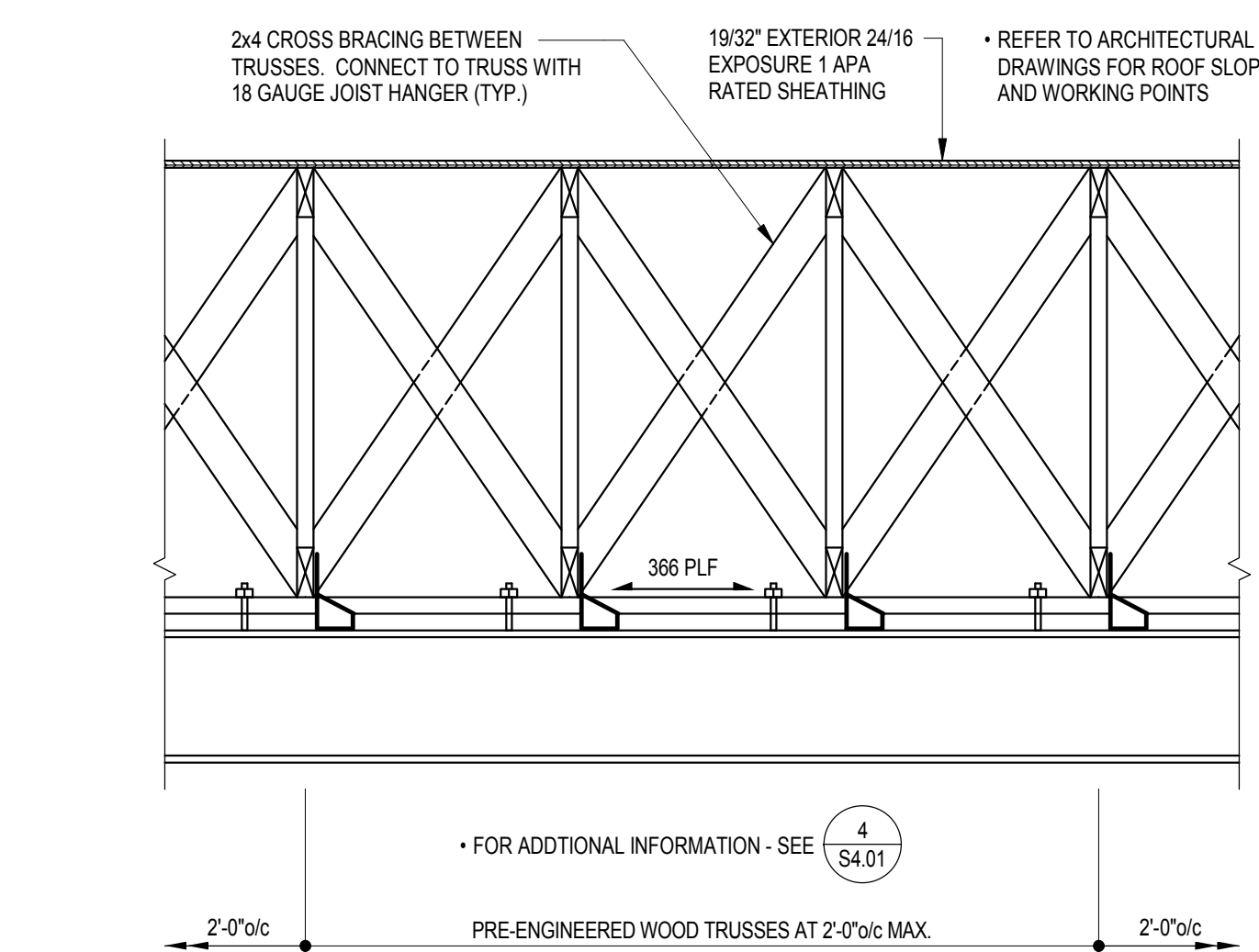
1 TYPICAL SUSPENDED MECHANICAL UNIT AT PWRT 3/4\"/>



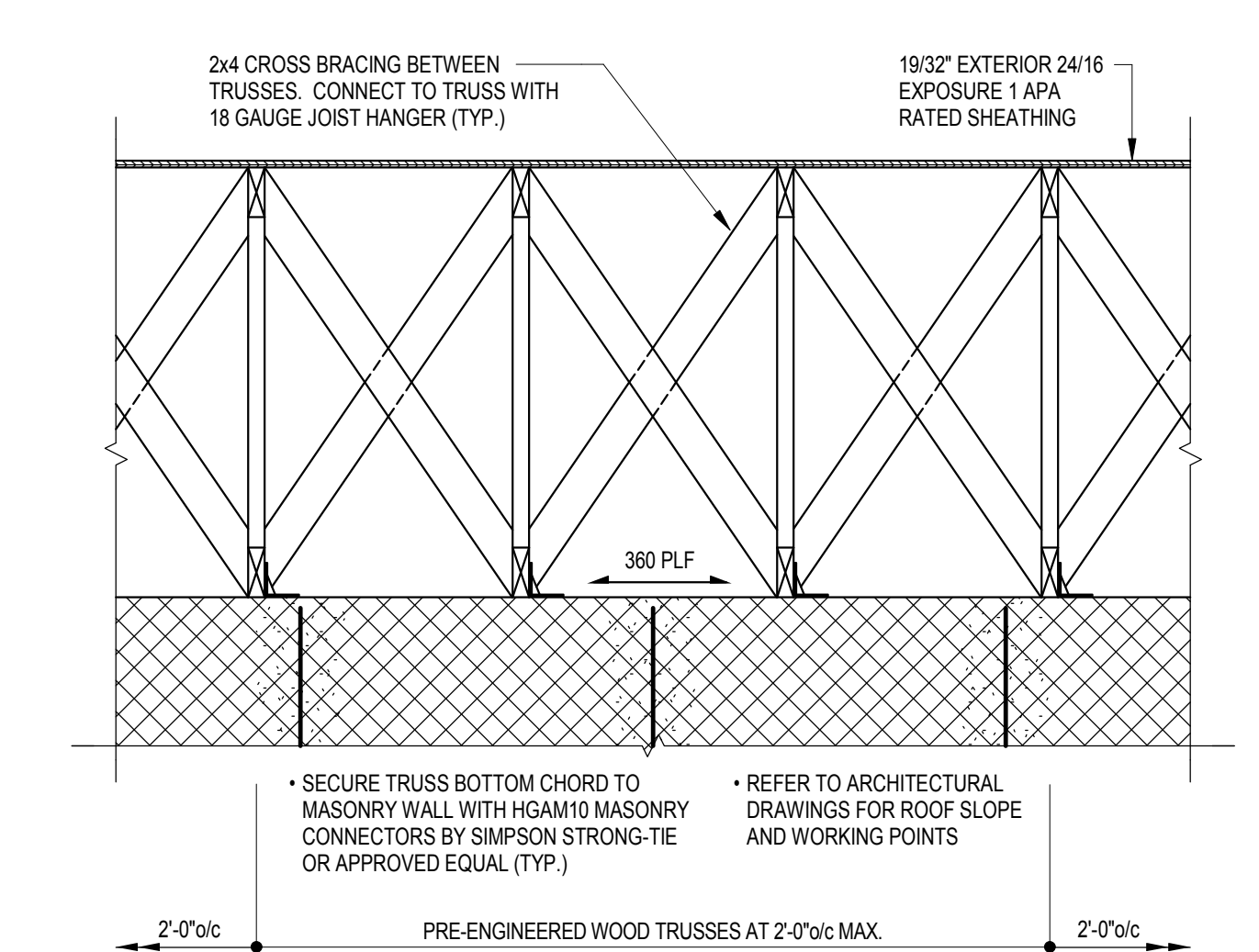
2 TYPICAL VRF AT PWRT 3/4\"/>



3 ROOF OPENING DETAIL AT WOOD STUD 3/4\"/>



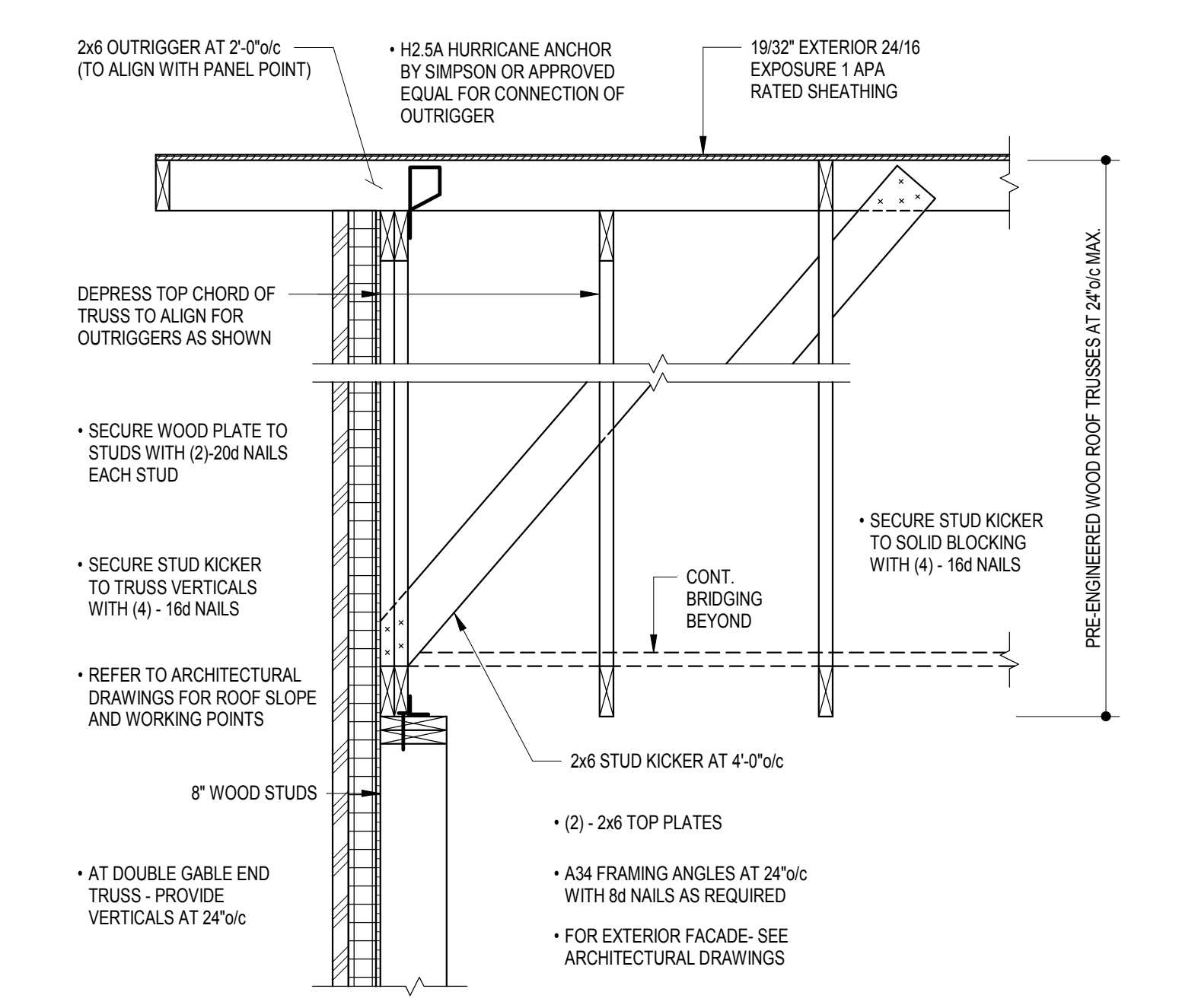
4 ROOF TRUSS BEARING AT MOMENT FRAME 3/4\"/>



5 CROSS BRACING AT MOMENT FRAME 3/4\"/>



6 CROSS BRACING AT MASONRY SHEAR WALL 3/4\"/>



7 GABLE END 3/4\"/>

ROOF TRUSS NOTES:

- 1. STRUCTURAL ROOF SHALL BE 3/4\"/>

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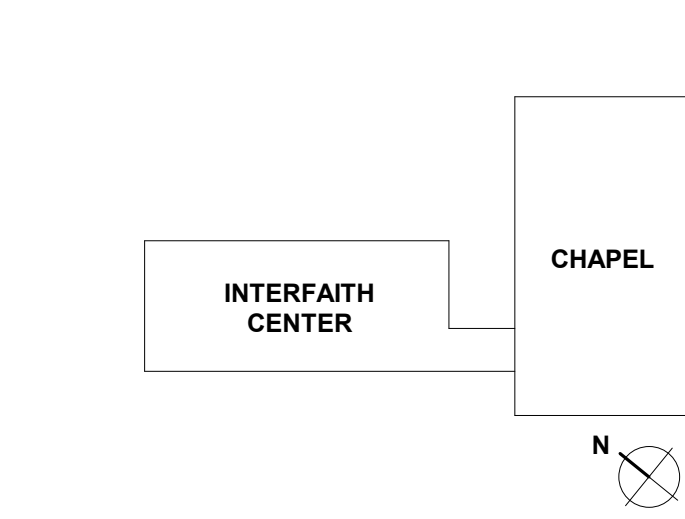
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KEY PLAN



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Table with 2 columns: Field, Value. Includes Issue Date (04/28/17), Scale (As indicated), Job No. (16072), and Drawn By (CRS).

PROJECT DESIGN PHASE

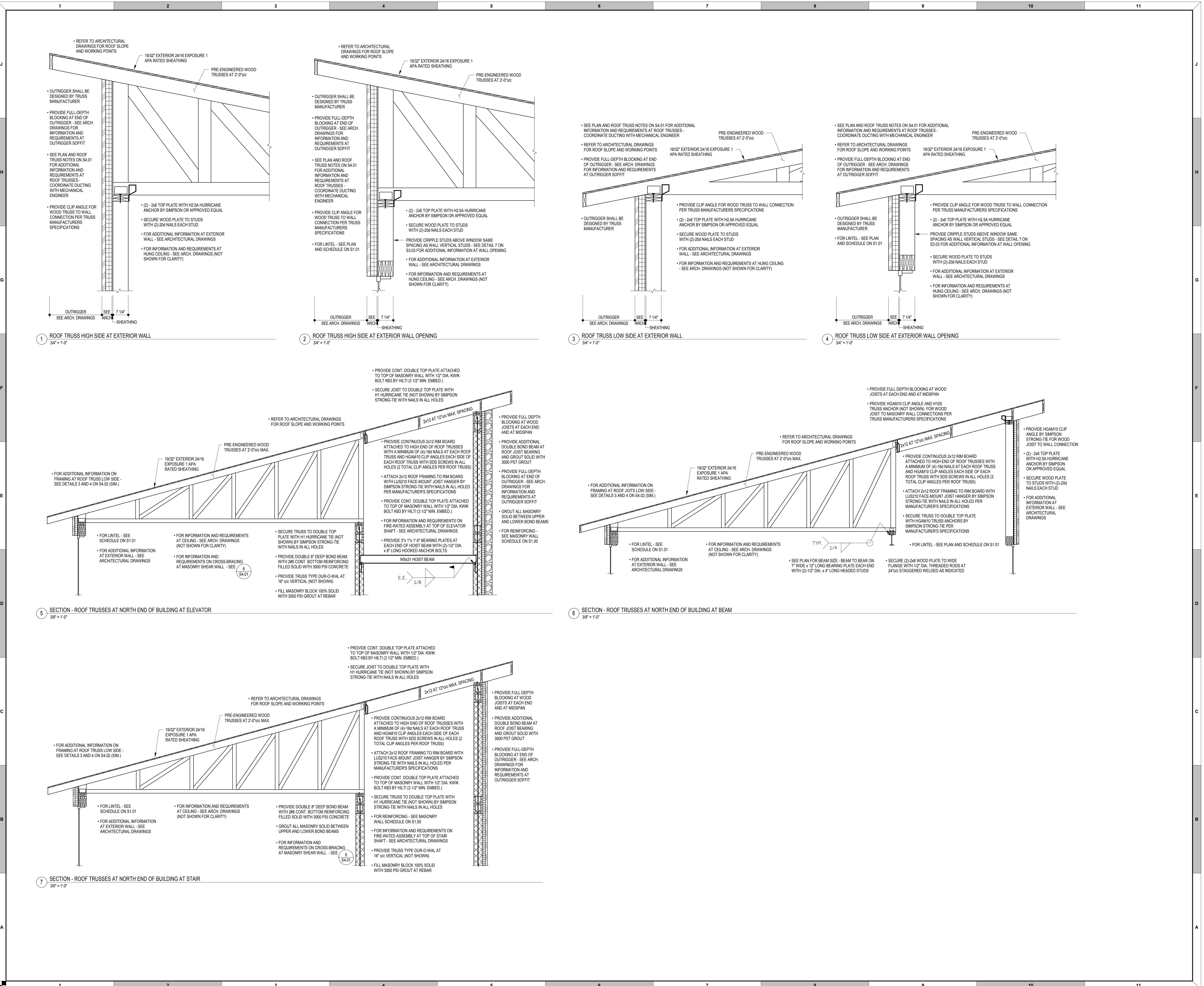
50% CD SET

DRAWING NAME

ROOF DETAILS

DRAWING NUMBER

S4.02



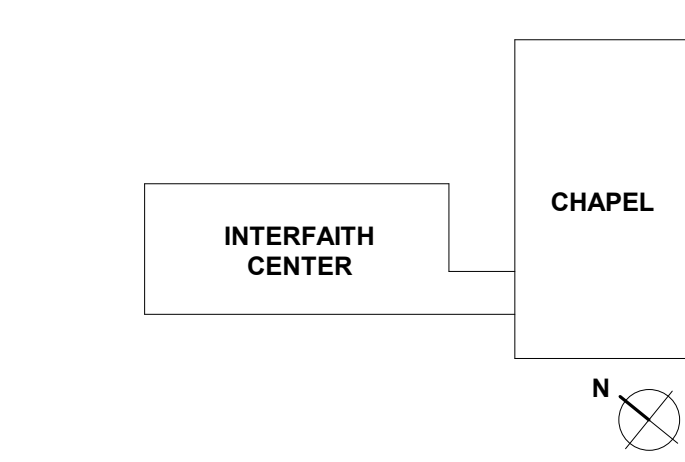
Vertical text on the left margin: STAPLE EDGE, A, B, C, D, E, F, G, H, J

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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

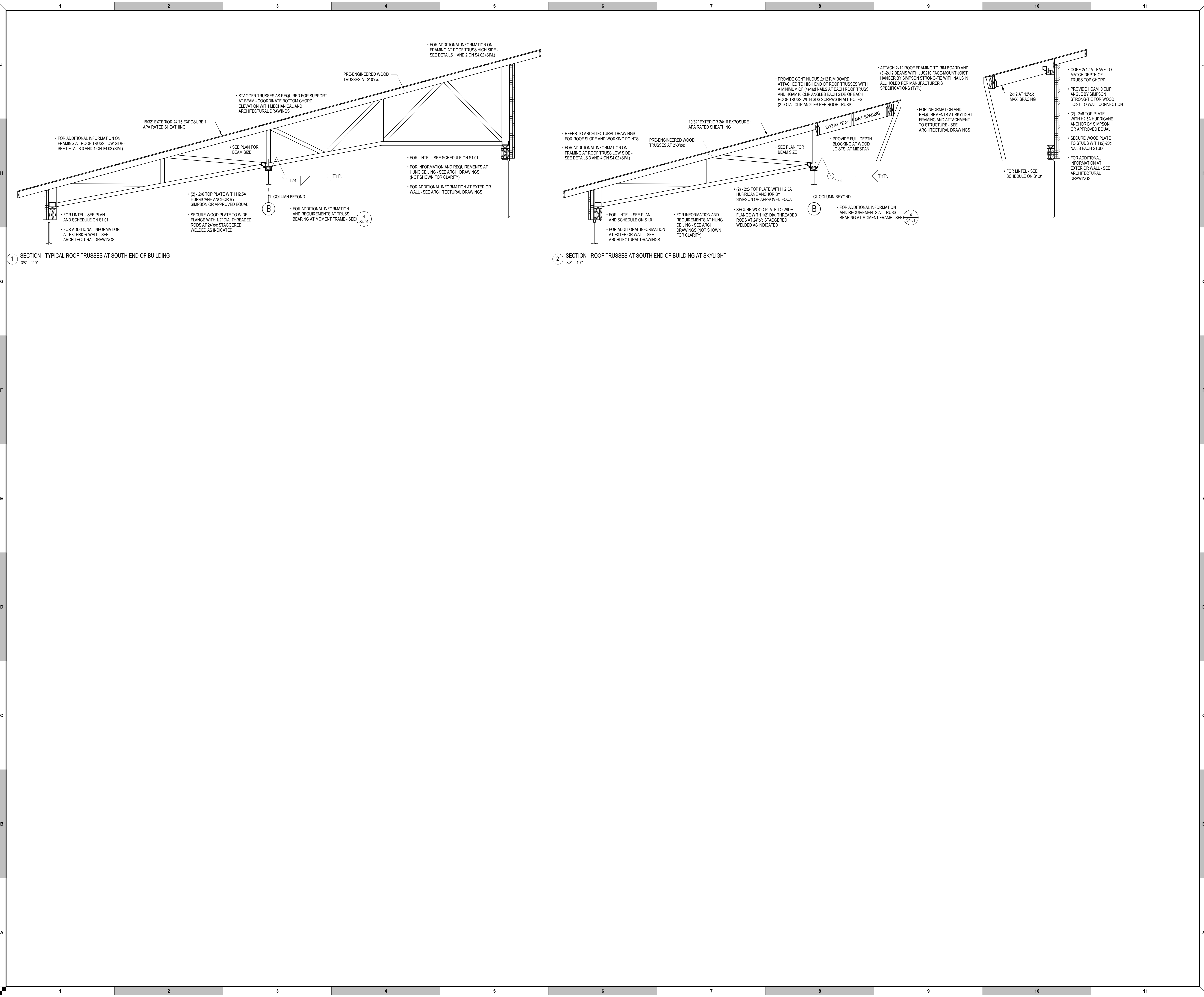
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DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	3/8" = 1'-0"
JOB NO.:	16072
DRAWN BY:	CRS

PROJECT DESIGN PHASE  
**50% CD SET**  
DRAWING NAME

ROOF DETAILS

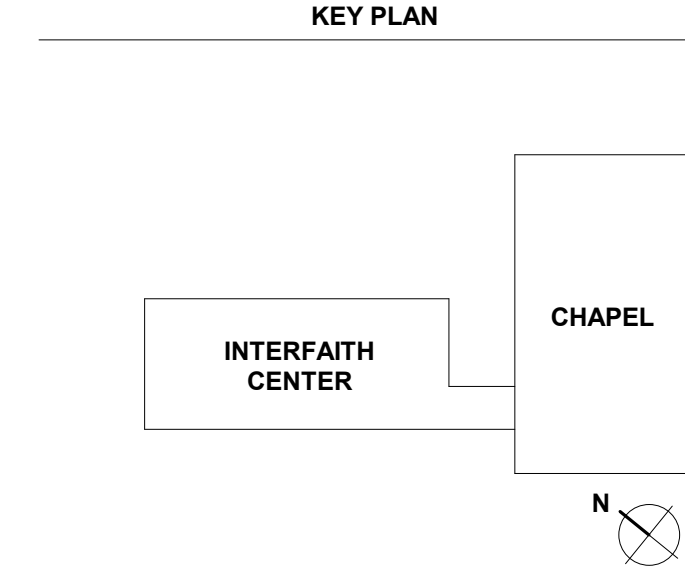
DRAWING NUMBER
<b>S4.03</b>



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DRAWING INFORMATION table with fields for ISSUE DATE, SCALE, JOB NO., and DRAWN BY.

PROJECT DESIGN PHASE
50% CD SET

DRAWING NAME
LIST OF SPECIAL INSPECTIONS

DRAWING NUMBER
S5.01

Table with 5 columns: TASK, VERIFICATION AND INSPECTION TASK; FREQUENCY OF INSPECTIONS (CONTINUOUS, PERIODIC); REFERENCE CRITERIA (REF. STD., IBC REF.). Includes SOILS inspection tasks.

SPECIAL INSPECTIONS NOTES
1. THE OWNER WILL ENGAGE (SEE CONTRACT REQUIREMENTS) THE SERVICES OF ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON WORK INDICATED IN THE SCHEDULE OF SPECIAL INSPECTIONS...

Table with 5 columns: TASK, VERIFICATION AND INSPECTION TASK; FREQUENCY OF INSPECTIONS; REFERENCE CRITERIA. Includes STEEL CONSTRUCTION OTHER THAN STRUCTURAL STEEL inspection tasks.

Table with 5 columns: TASK, VERIFICATION AND INSPECTION TASK; FREQUENCY OF INSPECTIONS; REFERENCE CRITERIA. Includes CONCRETE CONSTRUCTION inspection tasks.

Table with 6 columns: TASK, VERIFICATION AND INSPECTION TASK; FREQUENCY OF INSPECTIONS; REFERENCE CRITERIA. Includes MASONRY CONSTRUCTION LEVEL B inspection tasks.

Table with 5 columns: TASK, VERIFICATION AND INSPECTION TASK; FREQUENCY OF INSPECTIONS; REFERENCE CRITERIA. Includes STRUCTURAL STEEL inspection tasks.

STAPLE EDGE

STAPLE EDGE

STAPLE EDGE

PROJECT GENERAL NOTES					ABBREVIATIONS						
#	NUMBER, POUNDS)	#	FINISH FLOOR ELEVATION / FIXTURES FURNITURE & EQUIPMENT	OPNG	OPENING	#	NUMBER, POUNDS)	#	FINISH FLOOR ELEVATION / FIXTURES FURNITURE & EQUIPMENT	OPNG	OPENING
@	AT	FF	FIRE HYDRANT	OPF	OPPOSITE	1	AT.01	0	COLUMN GRIDLINE		
ABV	ABOVE	FHC	FIRE HOSE CABINET	OSD	OPEN SITE DRAIN	1	AT.01	0	ELEVATION		
AC	AIR CONDITIONING	FHMS	FLAT HEAD MACHINE SCREW	OZ	OUNCE	1	AT.01	1	DETAIL CALLOUT		
ACU	ACOUSTICAL	FHS	FLAT HEAD SCREW	PA	PLANTING AREA	1	AT.01	1	INTERIOR ELEVATION		
ACT	ACOUSTICAL TILE	FHW	FLAT HEAD WOOD SCREW	PB	PARTICLE BOARD	1	AT.01	1	BUILDING / WALL SECTION		
AD	ACCESS DOOR / AREA DRAIN	FN	FINISH	PC	PRECAST	1	AT.01	1	VIEW REFERENCE		
ADJ	ADJUSTABLE / ADJACENT	FL	FLASHING	PCP	PARTICLE CEMENT PLASTER	1	AT.01	1	WALL TYPE		
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL	FLEX	FLEXIBLE	PERF	PERFORATED	1	AT.01	1	WINDOW TYPE		
AF	ACCESS FLOOR	FLG	FLOORING	PERM	PERMANENT	1	AT.01	1	DOOR NUMBER		
AFF	ABOVE FINISH FLOOR	FLR	FLOOR	PG	PAINT GRADE						
AHU	AIR HANDLING UNIT	FLUOR	FLUORESCENT	PL	PLATE / PROPERTY LINE						
AL	ALUMINUM	FO	FACE OF	PLAM	PLASTIC LAMINATE						
ALT	ALTERNATE	FOS	FACE OF STUD / SLAB / STRUCTURE	PLAS	PLASTER						
ANC	ANCHOR	FP	FABRIC WRAPPED PANEL	PLP	PLASTER PAINTED						
ANNUN	ANNUNCIATOR	FR	FRAME	PML	PANEL						
ANOD	ANODIZED	FRG	FIRE RATED GLAZING	POL	POLISHED						
AP	ACOUSTIC PANELS / ACCESS PANEL	FRFF	FIRE RATED GLAZING	PR	PAIR						
APC	ACOUSTICAL PANEL CEILING	FS	FULL SIZE / FLOOR SINK	PROJ	PROJECT						
APPROX	APPROXIMATELY	FT	FOOT / FEET / FIRE TREATED	PS	FULL STATION						
ARCH	ARCHITECTURAL	FURR	FURRING	PSF	POUNDS PER SQUARE FOOT						
AVG	AVERAGE	FVC	FIRE VALVE CABINET	PSI	POUNDS PER SQUARE INCH						
		FVEC	FIRE VALVE AND FIRE EXTINGUISHER CABINET	PT	POINT / PAINT						
				PTD	PAINTED						
BALC	BALCONY	GA	GUAGE	PTN	PARTITION						
BC	BOTTOM CURB	GALV	GALVANIZED	PVC	POLYVINYL CHLORIDE						
BD	BOARD FOOT / BOARD FEET	GB	GRAB BAR	PVG	PAVING						
BITUM	BITUMINOUS	GC	GENERAL CONTRACTOR	PWD	PLYWOOD						
BLDG	BUILDING	GCMU	GLAZED CONCRETE MASONRY UNIT	QT	QUARRY TILE						
BLK	BLOCK	GEN	GENERAL	QTY	QUANTITY						
BLKG	BLOCKING	GFCMU	GROUND FACE CONCRETE MASONRY UNIT								
BLKHD	BULKHEAD	GL	GLASS / GLAZING								
BLW	BELOW	GND	GROUND	R	RISER / REGISTER						
BM	BEAM	GR	GRADE	RA	RETURN AIR						
BO	BOTTOM OF	GRG	GLASS REINFORCED GYPSUM	RADIR	RADIUS						
BOT	BOTTOM	GWB	GYPSUM WALL BOARD	RBR	RUBBER						
BRG	BEARING	GYP	GYPSUM	RCP	REFLECTED CEILING PLAN						
BRG PL	BEARING PLATE			RD	ROOF DRAIN						
BRK	BRICK	H	HEIGHT / HIGH	RECEPT	RECEPTACLE						
BRKT	BRACKET	HB	HOSE BB	REFIRE	REFERENCE						
BSMT	BASEMENT	HC	HOLLOW CORE	REFRIG	REFRIGERATOR						
BTW	BETWEEN	HDCP	HANDICAPPED	REG	REGISTER						
BUR	BUILT UP ROOF	HDWD	HARDWOOD	RENF	REINFORCEMENT(YING)						
		HOWR	HOLLOW METAL	REGO	REWORK						
C	CARPET	HK	HOUSEKEEPING	RESIL	RESILIENT						
CAB	CABINET	HM	HOLLOW METAL	RET	RETURN						
CBB	CEMENTIOUS BACKER BOARD	HMF	HOLLOW METAL FRAME	RETG	RETAINING						
CEM	CEMENT	HORIZ	HORIZONTAL(Y)	REV	REVISION / REVERSE						
CER	CERAMIC	HR	HOOR	RF	RAISED FLOOR						
CI	CAST IRON	HTG	HEATING	RFG	ROOFING						
CIP	CAST IN PLACE	HVAC	HEATING VENTILATION AIR CONDITIONING	RM	ROOM						
CJ	CONTROL JOINT	HW	HOT WATER	RO	ROUGH OPENING / ROUND						
CL	CENTERLINE	HWV	HOT WATER HEATER	RWC	RAIN WATER CONDUCTOR						
CLG	CEILING / COOLING			RWL	RAIN WATER LEADER						
CLKG	CAULKING	ID	INSIDE DRAWER / INNER DIAMETER								
CLL	CONTRACT LIMIT LINE	IN	INCH	S	SOUTH / SINK						
CLOS	CLOSET	INCAND	INCANDESCENT	SA	SUPPLY AIR						
CLR	CLEAR	INS	INSULATION / INSULATED	SC	SLID CORE						
CMU	CONCRETE MASONRY UNITS	INT	INTERIOR	SCH	SCHEDULE						
CNTR	COUNTER	INTRM	INTERMEDIATE	SCONC	STAINED CONCRETE						
CO	CLEAN OUT / CLEAR OPENING	INVT	INVERT	SD	STORM DRAIN / SOAP DISPENSER / SMOKE DETECTOR						
COL	COLUMN	JAN	JANITOR	SEAL	SEALANT						
COBB	COMBINATION	SECT	SECTION	SFT	STRUCTURAL FACING TILE						
COMP	COMPACTED	ST	JOIST	SF	SQUARE FOOT (FEET)						
CONC	CONCRETE	ST	JOIST	SFT	STRUCTURAL FACING TILE						
CONSTR	CONSTRUCTION	KT	KNOCK DOWN	SH	SHOWER / SPRINKLER HEAD						
CONT	CONTINUOUS	KT	KITCHEN	SH	SHEET						
COF	COPPER	KO	KNOCK OUT	SHTG	SHIELDING						
CORR	CORRIDOR	KP	KICK PLATE	SHV	SHIELDING						
CORS	COURSE	L	LONG / LENGTH	SM	SIMILAR						
CPT	CARPET	LAB	LABORATORY	SL	SLATE						
CRF	COLD ROLLED FORMED STEEL	LAM	LAMINATED	SLC	SEALED CONCRETE						
CS	CAST STONE	LAV	LAVATORY	SM	SHEET METAL						
CS LINT	CAST STONE LINTEL	LB(S)	POUNDS	SMS	SHEET METAL SCREW						
CSK	COUNTERSINK / COUNTERSUNK	LOC	LOCK	SPEC	SPECIFICATION						
CT	CERAMIC TILE	LOKRS	LOCKERS	SPKR	SPEAKER						
CTR	CENTER	LDG	LANDING	SQ	SQUARE						
CJ	CUSHIOR	LEV	LEVEL	SS	STAINLESS STEEL						
CW	COLD WATER	LF	LINEAR FOOT (FEET) / LIGHT FIXTURE	SSEW	SAFETY SHOWER / EYEWASH						
D	DEEP / DEPTH / DRAIN	LDG	LANDING	SSH	SAFETY SHOWER HEAD						
DB	DECIBEL	LN	LINE	STC	STANDARD TRANSMISSION CLASSIFICATION						
DBL	DOUBLE	LN	LINE	STD	STANDARD						
DEPT	DEPARTMENT	LH	LEFT HAND	STL	STEEL						
DET	DETAIL	LIN	LINOLEUM	STOR	STORAGE						
DF	DRINKING FOUNTAIN	LP	LIGHT POLE	STRUCT	STRUCTURAL						
DF	DRINKING FOUNTAIN	LPT	LOW POINT	SUSP	SUSPENDED / SUSPENSION						
DI	DOUBLE DIMS	LT	LIGHT	SV	SHEET VINYL						
DIA	DIAMETER	LT WT	LIGHT WEIGHT	SYM	SYMMETRICAL						
DIAG	DIAGONAL(Y)	LVR	LOUVER	SYS	SYSTEM						
DIM	DIMENSION			T	TREAD / TOP						
DISP	DISPENSER	MACH	MACHINE	TEL	TELEPHONE						
DIV	DIVISION	MAS	MASONRY	TEMP	TEMPERED						
DMPF	DAMP PROOFING	MATL	MATERIAL	TER	TERRAZZO						
DN	DOWN	MAX	MAXIMUM	TGT&G	TONGUE AND GROOVE						
DR	DOOR / DRAIN	ME	MATCH EXISTING	THK	THICKNESS						
DS	DOWNSPOUT	MECH	MECHANICAL	THRS	THRESHOLD						
DSP	DRY STANDPIPE	MEMB	MEMBRANE	TO	TOP OF						
DW	DISHWASHER	MEP	MECHANICAL ELECTRICAL PLUMBING	TOC	TOP OF CONCRETE / CURB						
DWG	DRAWING	MEZZ	MEZZANINE	TOS	TOP OF SLAB						
DWR	DRAWER	MFR	MANUFACTURER	TOW	TOP OF WALL						
E	EAST / EPOXY	MIN	MINIMUM	TV	TELEVISION						
EA	EACH	MIR	MIRROR	TYP	TYPICAL						
EJ	EXPANSION JOINT	MISC	MISCELLANEOUS								
EL	ELEVATION	NO	MASONRY OPENING(S)	UC	UNDERCUT						
ELEC	ELECTRICAL	MOD	MODIFIED	UH	UNIT HEATER						
ELEV	ELEVATOR	MP	MOP RACK	UL	UNDERWRITERS LABORATORIES, INC						
EMER	EMERGENCY	MR	MOISTURE RESISTANT	UNFIN	UNFINISHED						
ENCL	ENCLOSURE	MTD	MOUNTED	UNO	UNLESS NOTED OTHERWISE						
ENG	ENGINEER	MTG	MOUNTING	UCN	UNLESS OTHERWISE NOTED						
ENT	ENTRANCE	MTL	METAL	UR	URINAL						
EDS	EDGE OF SLAB	MULL	MULLION	US	UNDERSIDE						
EPB	ELECTRICAL PANEL BOARD	MW	MICROWAVE	UTIL	UTILITY						
EQ	EQUAL	N	NORTH	VAR	VARIABLE						
EQUIP	EQUIPMENT	NIC	NOT IN CONTRACT	VB	VAPOR BARRIER						
ES	EXPOSED STRUCTURE	NO	NUMBER	VCT	VINYL COMPOSITION TILE						
ES/EE	EMERGENCY SHOWER / EMERGENCY EYEWASH	NOM	NOMINAL	VERT	VERTICAL(Y)						
ETR	EXISTING TO REMAIN	NRC	NOISE REDUCTION COEFFICIENT	VEST	VESTIBULE						
EWV	ELECTRIC WATER COOLER	NTS	NOT TO SCALE	VF	VERIFY IN FIELD						
EXP	EXPANDED / EXPANSION	CA	OVERALL / OUTSIDE AIR	VN	VINYL						
EXT	EXISTING	OC	ON CENTER	VP	VENEER PLASTER						
EXT	EXTERIOR	OD	OUTSIDE DIAMETER / OVERFLOW DRAIN	VTR	VENT TERMINATION PIPE						
EXTR	EXTRUDED	OFCI	OWNER FURNISHED CONTRACTOR INSTALLED	VWC	VINYL WALL COVERING						
F	FAHRENHEIT	OFF	OFFICE	W	WEST / WIDE / WIDTH						
FA	FIRE ALARM GAGE	OFOI	OWNER FURNISHED OWNER INSTALLED	W	WITH						
FCU	FAN COIL UNIT	OH	OPPOSITE HAND	WO	WITHOUT						
FDR	FLOOR DRAIN	OHMS	OHM HEAD MACHINE SCREW	WC	WATER CLOSET						
FDN	FOUNDATION CHANNEL	OVD	OVAL HEAD WOOD SCREW	WD	WOOD						
FDV	FIRE DEPARTMENT VALVE	OP	OVERFLOW PIPE	WG	WIRE GLASS						
FE	FIRE EXTINGUISHER	OPER	OPERABLE	WH	WALL HYDRANT / WATER HEATER						
FEC	FIRE EXTINGUISHER CABINET			WN	WINDOW						
FF	FINISH FACE / FINISH FLOOR			WOM	WOMEN						

**PROJECT INFORMATION**

**GOUCHER**  
college

**GOLDSMITH INTERFAITH CENTER**

GOUCHER COLLEGE  
1021 DULANEY VALLEY RD  
BALTIMORE MD 21204

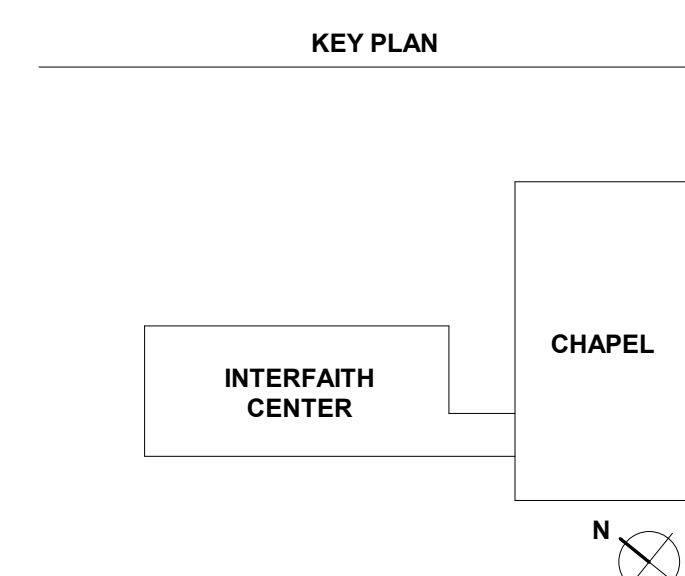
**PROJECT TEAM**

**ARCHITECT**  
AYERS SAINT GROSS  
1040 HULL STREET, SUITE 100  
BALTIMORE, MD 21230  
410.347.8500  
www.ayersaintgross.com

**M/E/P & FIRE PROTECTION ENGINEER**  
MUELLER ASSOCIATES  
1306 CONCORSE DRIVE, SUITE 100  
LINTHICUM, MD 21090  
410.646.4500  
www.muellerassoc.com

**REVISIONS**

REV. #	DESCRIPTION	DATE



**NOT FOR CONSTRUCTION**

**DRAWING INFORMATION**

ISSUE DATE:	04/28/17
SCALE:	As indicated
JOB NO.:	21641.00
DRAWN BY:	ASG

**PROJECT DESIGN PHASE**  
**50% CONSTRUCTION DOCUMENTS**

**CODE SUMMARY & EGRESS PLANS**

**DRAWING NUMBER**  
**A0.20**

**CODE SUMMARY**

**Applicable Codes**

- 2015 International Building Code with Baltimore County Amendments
- 2015 International Existing Building Code
- 2015 International Mechanical Code with Baltimore County Amendments
- 2015 National Standard Plumbing Code with Baltimore County Amendments
- 2015 International Energy Conservation Code with Baltimore County Amendments
- 2014 National Electrical Code with Baltimore County Amendments
- 2015 NFPA 101 Life Safety Code with Baltimore County Amendments
- 2015 NFPA 1 With Baltimore County Amendments
- Accessibility Code: COMAR 05.02.02: 2010 ADAAG

**Alterations to Existing Chapel:**

The existing Haebler Chapel was constructed in 1982. The existing building is of concrete, masonry, and wood construction and is unsprinklered. Scope of alterations to the existing chapel includes the addition of two accessible toilet rooms for convenience, lighting upgrades, and removal of fixed seating pews and casework. As part of the alterations the building will be fully sprinklered.

The existing primary occupancy to remain unchanged is Assembly Group A-3, Spaces for worship.

**New Construction:**

Construction of a new addition will be separated from the existing Haebler Chapel by means of a rated construction and will be considered a separate building of Type V-B construction, fully sprinklered.

**Occupancy**

The building is a non-separated mixed use building consisting primarily of Business (IBC 2015 Section 304 & LSC Chapter 38), Assembly (IBC 2015 Section 303.1, & per LSC Chapter 12) and Storage.

The building is fully sprinklered per NFPA 13.

**Type of Construction**

Type V-B Construction (Allowable Height, Number of Stories, and Area per IBC Table 504.3, Table 504.4 & 506.2)

- Allowable Height with sprinkler increases: 60 feet.
- Number of Stories above Grade Plane 2.
- Allowable Area with sprinkler increases for multistory: 18,000.

The highest occupied floor is less than 75 feet above the lowest level of fire department access. Therefore, the building is not considered high rise (IBC 403.1)

**New Construction Fire Resistance Rating Requirements for Building Elements**

Structural Frame: 0 Hours  
Beaming walls (Interior & Exterior): 0 Hours  
Floor construction: 0 Hours  
Roof construction: 0 Hours  
Non Beaming Walls & Partitions (Interior): 0 Hours  
Vertical Openings Connecting not more than 2 stories are allowed per IBC 707.2 exception 2 and per LSC 5.6

**Means of Egress**

Occupant Load Factor (LSC Table 7.3.1.2)  
Assembly, concentrated: 7 NSF per person.  
Assembly, less concentrated: 15 NSF per person.  
Business: 100 GSF per person.  
Storage: 300 GSF per person.

Chapel:  
Stages & Platforms: 15 NSF per person.

**04 T.O. ROOF** 463' - 4"  
**03 ROOF BEARING** 455' - 4"  
**02 LEVEL 2** 445' - 4"  
**00 GROUND LEVEL** 434' - 0"  
**-03 LOWER LEVEL** 423' - 0"  
**-04 CHAPEL BASEMENT** 422' - 0"

**2 CODE ANALYSIS BUILDING SECTION**  
1/16" = 1'-0"

**INTERFAITH CENTER - PLUMBING FIXTURE TABULATION**

LEVEL	AREA TYPE	(GSF)	OCCUPANCY GROUP	OCCUPANCY DESCRIPTION	WATER CLOSETS		LAVATORIES		BATHTUBS / SHOWERS	DRINKING FOUNTAINS	OTHER
					MALE	FEMALE	MALE	FEMALE			
BASEMENT LEVEL	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	1378 SQ.FT.									
BASEMENT LEVEL	ASSEMBLY UNCONCENTRATED	291 SQ.FT.	A-3								
BASEMENT LEVEL	BUSINESS AREAS	1076 SQ.FT.	B								
GROUND LEVEL	ASSEMBLY UNCONCENTRATED	1572 SQ.FT.	A-3								
GROUND LEVEL	BUSINESS AREAS	1337 SQ.FT.	B								
SECOND LEVEL	BUSINESS AREAS	816 SQ.FT.	B								

**CHAPEL - PLUMBING FIXTURE TABULATION**

LEVEL	AREA TYPE	(GSF)	OCCUPANCY GROUP	OCCUPANCY DESCRIPTION	WATER CLOSETS		LAVATORIES		BATHTUBS / SHOWERS	DRINKING FOUNTAINS	OTHER
					MALE	FEMALE	MALE	FEMALE			
BASEMENT LEVEL	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	2368 SQ.FT.	B								
BASEMENT LEVEL	BUSINESS AREAS	797 SQ.FT.	A-3								
GROUND LEVEL	ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	75 SQ.FT.	B								
GROUND LEVEL	ASSEMBLY UNCONCENTRATED	1918 SQ.FT.	A-3								
GROUND LEVEL	BUSINESS AREAS	1891 SQ.FT.	B								
SECOND LEVEL	ASSEMBLY FIXED SEATING	459 SQ.FT.	A-3								

**CHAPEL - BUILDING OCCUPANCY SUMMARY**

CODE SPACE FUNCTION KEY	OCCUPANCY CALCULATION		OCCUPANCY AREA	OCCUPANCY LOAD	NOTES
	SF/OCCUPANT	NSF/GSF			
<b>-03 LOWER LEVEL</b>					
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	2368 SF	9	
BUSINESS AREAS	100 SF	GROSS	797 SF	9	
			3165 SF	18	
<b>00 GROUND LEVEL</b>					
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	75 SF	1	
ASSEMBLY - UNCONCENTRATED (TABLES AND CHAIRS)	15 SF	NET	1918 SF	240	
BUSINESS AREAS	100 SF	GROSS	1891 SF	19	
			3884 SF	260	
<b>02 LEVEL 2</b>					
ASSEMBLY - FIXED SEATING	0 SF	SEE SECTION 1004.7	459 SF	69	
			459 SF	69	
			7508 SF	347	

**INTERFAITH CENTER - BUILDING OCCUPANCY SUMMARY**

CODE SPACE FUNCTION KEY	OCCUPANCY CALCULATION		OCCUPANCY AREA	OCCUPANCY LOAD	NOTES
	SF/OCCUPANT	NSF/GSF			
<b>-03 LOWER LEVEL</b>					
ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS	300 SF	GROSS	1404 SF	5	
ASSEMBLY - UNCONCENTRATED (TABLES AND CHAIRS)	15 SF	NET	291 SF	20	
BUSINESS AREAS	100 SF	GROSS	1050 SF	12	
			2746 SF	37	
<b>00 GROUND LEVEL</b>					
ASSEMBLY - UNCONCENTRATED (TABLES AND CHAIRS)	15 SF	NET	1572 SF	107	
BUSINESS AREAS	100 SF	GROSS	1337 SF	15	
			2908 SF	122	
<b>02 LEVEL 2</b>					
BUSINESS AREAS	100 SF	GROSS	816 SF	9	
			816 SF	9	
			6470 SF	168	

**EGRESS COMPONENT SYMBOL**

W = WIDTH OF LIMITING COMPONENT IN INCHES. DOOR CALCULATION = ACTUAL WIDTH - (DOOR THICKNESS + (2 x STOP DEPTH))  
X = ACTUAL EXIT LOAD - PROPOSED NUMBER OF OCCUPANTS USING EXIT  
Y = "CALCULATED EXIT CAPACITY" - MAX. NUMBER OF OCCUPANTS EXIT CAN ACCOMMODATE = W / Z  
Z = EGRESS WIDTH PER OCCUPANT SERVED (INCHES PER OCCUPANT) PER TABLE 1005.1

20 MINUTE FIRE LABEL DOOR  
45 MINUTE FIRE LABEL DOOR  
60 MINUTE FIRE LABEL DOOR  
90 MINUTE FIRE LABEL DOOR  
180 MINUTE FIRE LABEL DOOR

--- NON-RATED SMOKE PARTITION  
--- 1 1/2 HOUR RATED FIRE BARRIER  
--- 1 HOUR RATED FIRE BARRIER  
--- 12 HOUR RATED FIRE BARRIER

REFER TO FLOOR PLANS FOR PARTITION TYPES AND PARTITION SCHEDULE FOR SPECIFIC UL ASSEMBLIES

000 SF --- TOTAL AREA OF SPACE  
000 --- NUMBER OF OCCUPANTS IN SPACE

Room name --- INDIVIDUAL ROOM NAMES  
101 --- INDIVIDUAL ROOM NUMBERS

--- TRAVEL DISTANCE - PATH OF TRAVEL

--- DENOTES ACCESSIBLE MOBILITY FEATURES PER ADA 2010 T224.2  
--- DENOTES ACCESSIBLE COMMUNICATION FEATURES PER ADA 2010 T224.4

**LIFE SAFETY LEGEND**  
1/16" = 1'-0"

FC --- FIRE EXTINGUISHER/ STANDPIPE COMBO-FULLY RECESSED  
FE --- FIRE EXTINGUISHER - BRACKET MOUNTED  
FR --- FIRE EXTINGUISHER CABINET - FULLY RECESSED

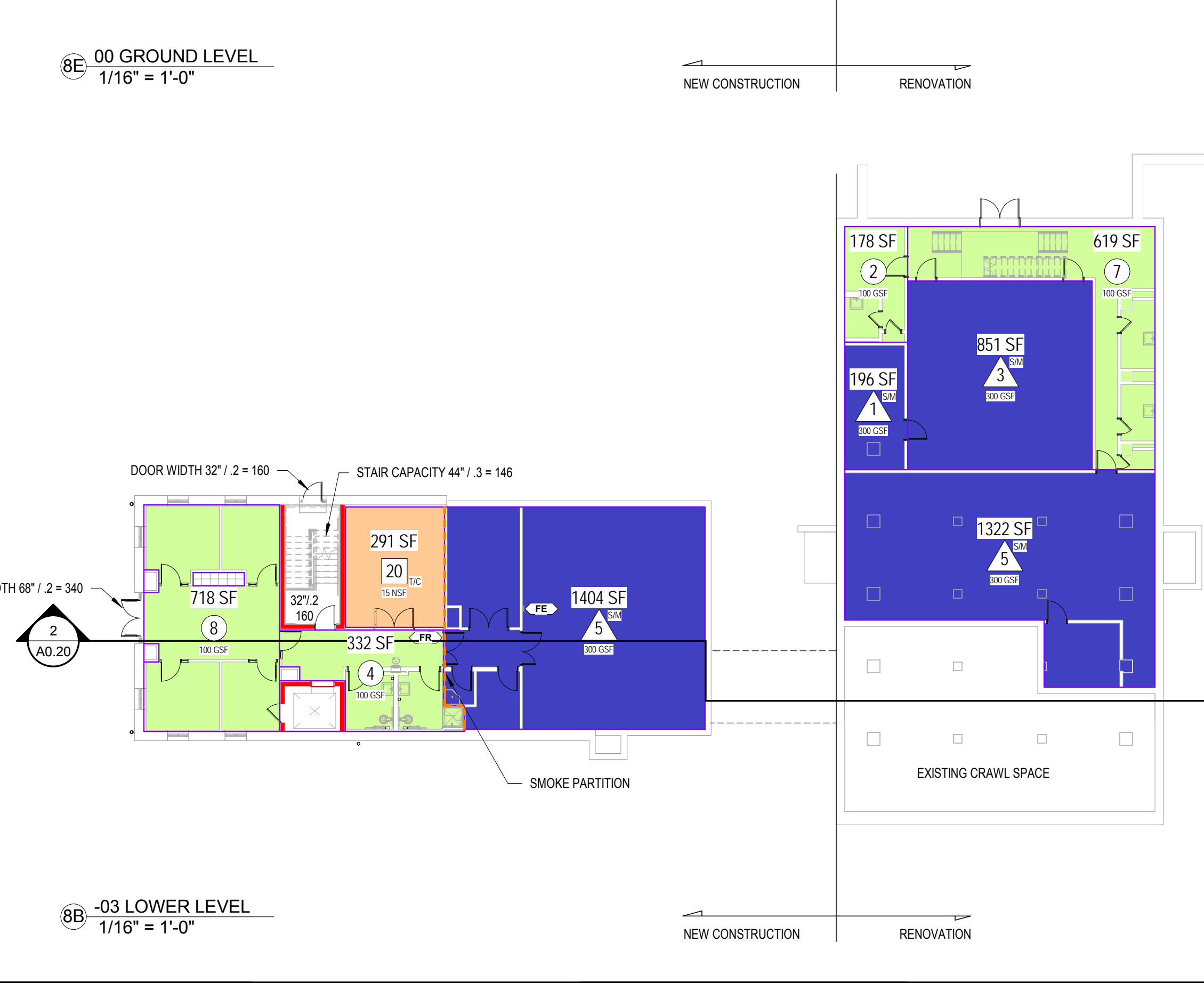
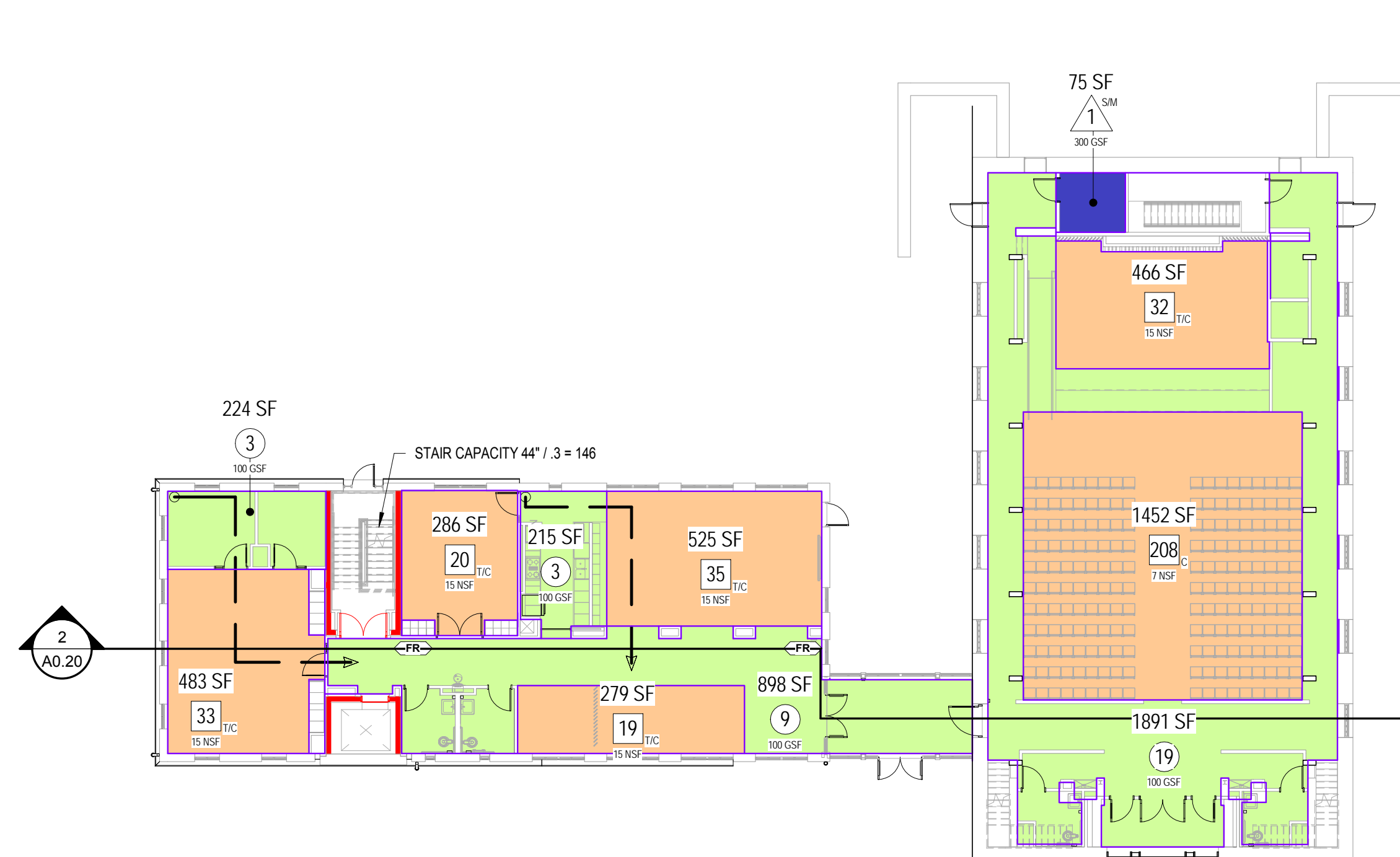
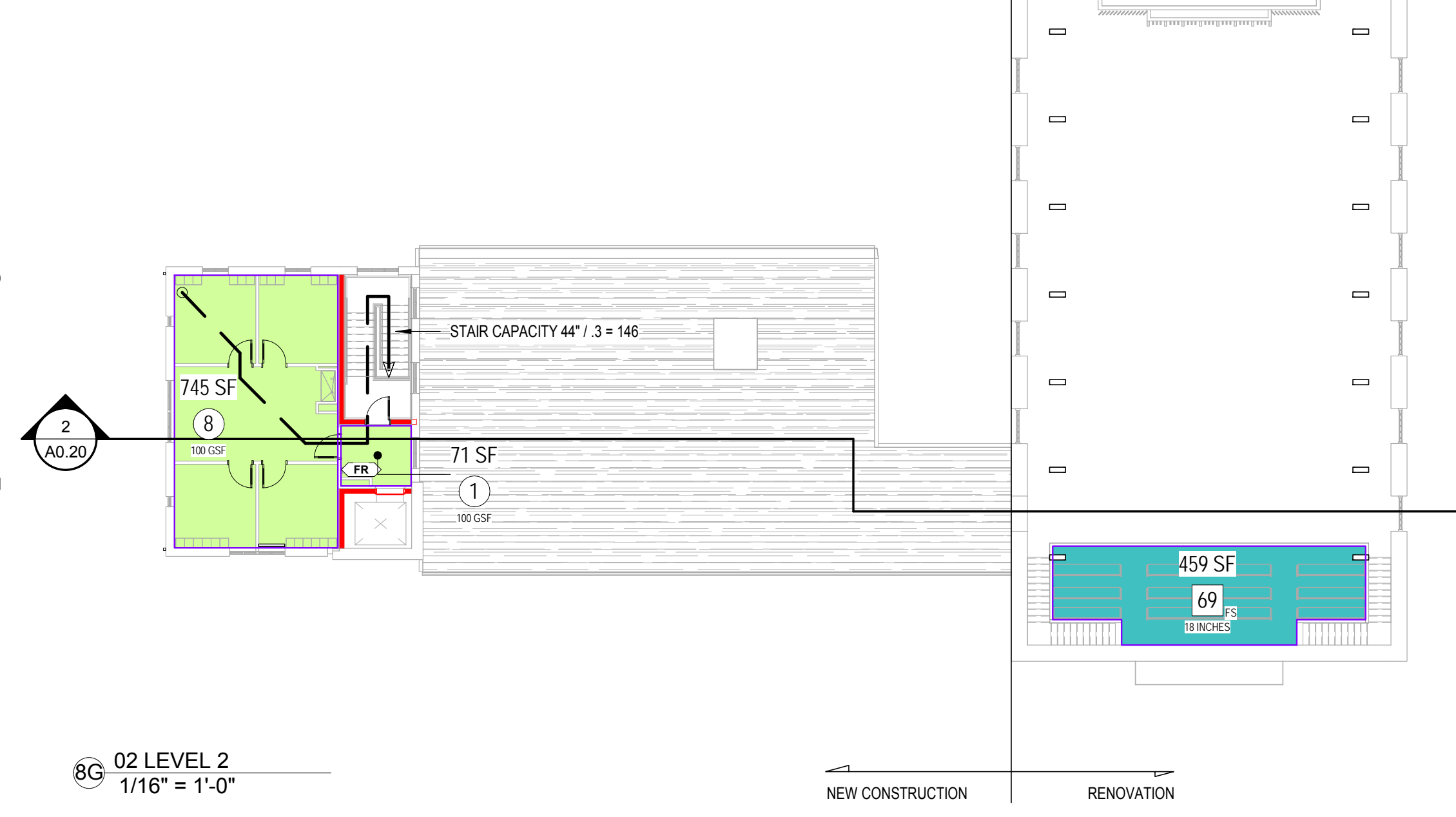
SECOND FLOOR IS CONSIDERED A BUSINESS OCCUPANCY WITH AN OCCUPANT LOAD OF 8.

LSC 38 2.4.6: A SINGLE MEANS OF EGRESS SHALL BE PERMITTED FOR A MAXIMUM 2 STORY SINGLE TENANT BUILDING PROVIDED THAT THE BUILDING IS PROTECTED BY AN APPROVED, SUPERVISED AUTOMATIC SPRINKLER SYSTEM AND TOTAL TRAVEL DISTANCE TO THE OUTSIDE DOES NOT EXCEED 100 FEET.

TOTAL TRAVEL DISTANCE TO THE OUTSIDE = 87' < 100'

**TABLE 1004.1.1**  
**MAX. FLOOR AREA ALLOWANCES PER OCCUPANT FUNCTION OF SPACES SYMBOL LEGEND**

000 SF ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS) 300 SF GROSS/OCC	ACCESSORY STORAGE AND MECHANICAL EQUIPMENT ROOMS
000 SF ASSEMBLY - FIXED SEATING REFER TO PLANS PER OBC 1004.7	
000 SF ASSEMBLY - CONCENTRATED (CHAIRS ONLY) 7 SF NET/OCC	
000 SF ASSEMBLY UNCONCENTRATED (TABLES AND CHAIRS) 15 SF NET/OCC	
000 SF BUSINESS AREAS 100 SF GROSS/OCC	

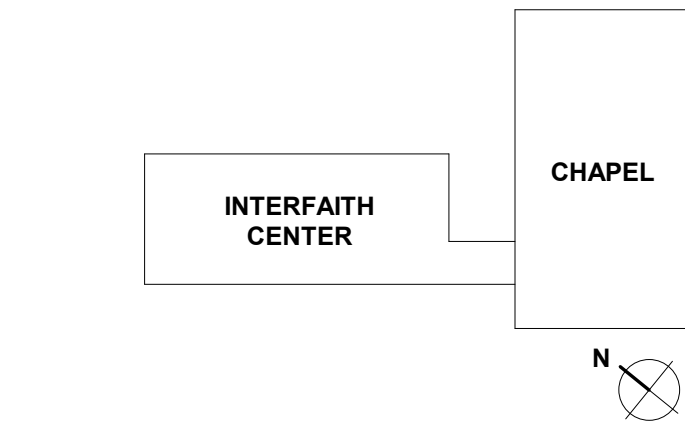


**OCCUPANCY TYPE LEGEND**

- ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOMS
- ASSEMBLY - FIXED SEATING
- ASSEMBLY - UNCONCENTRATED (TABLES AND CHAIRS)
- BUSINESS AREAS
- Calculating...

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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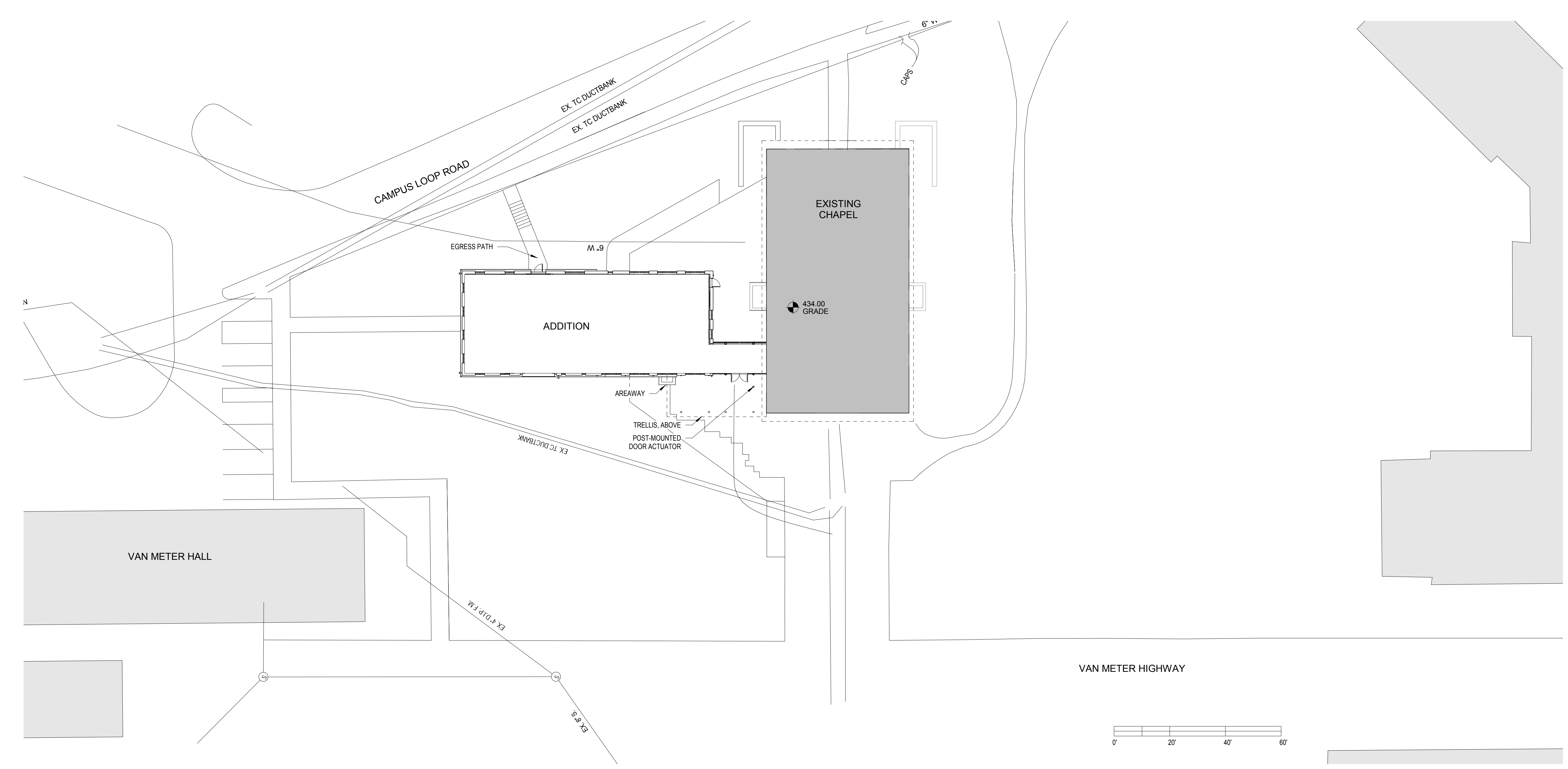
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DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	1" = 20'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**ARCHITECTURAL SITE PLAN**

DRAWING NUMBER  
**A1.00**



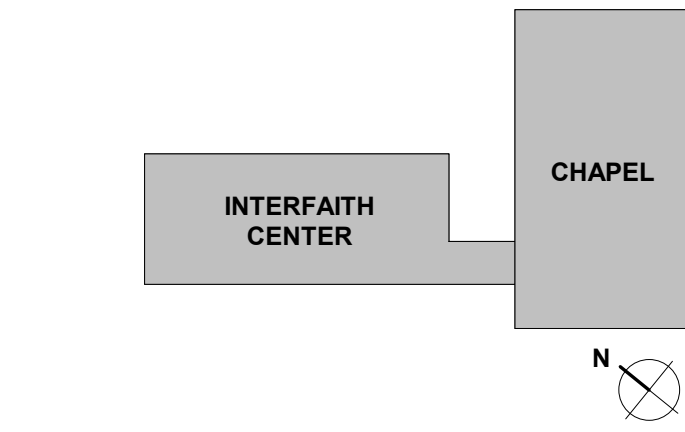
**A2** SITE PLAN  
1" = 20'-0"





REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

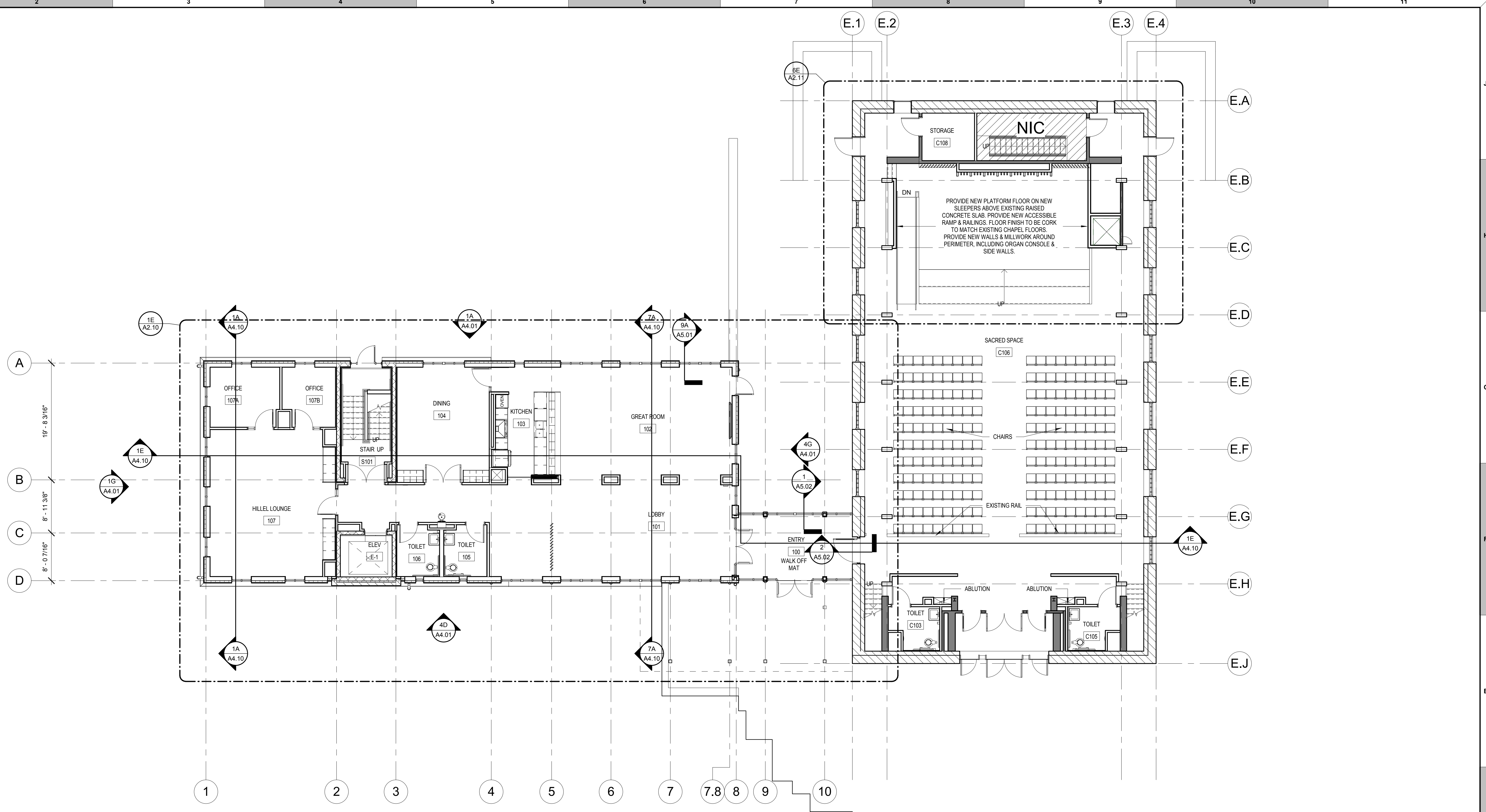
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SCALE:	As indicated
JOB NO.:	21641.00
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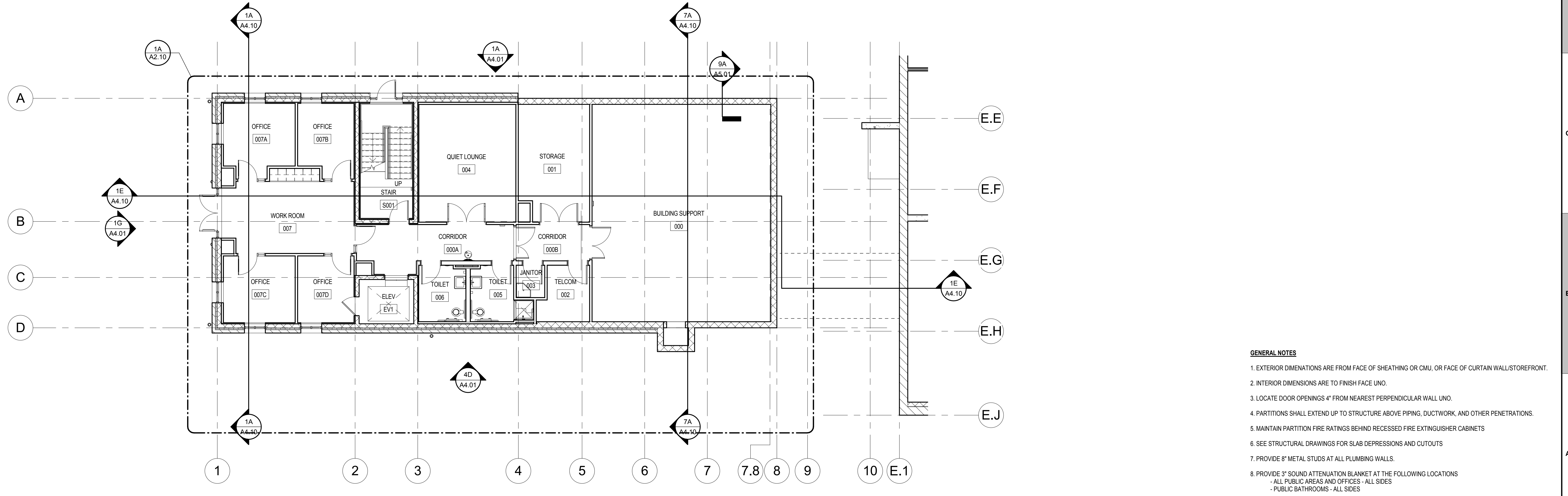
PROJECT DESIGN PHASE  
50% CONSTRUCTION DOCUMENTS

DRAWING NAME  
FLOOR PLAN - LOWER LEVEL & LEVEL 1

DRAWING NUMBER  
A2.00



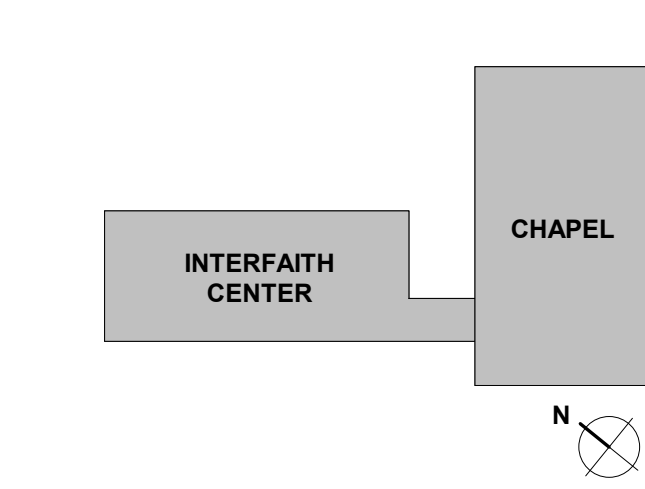
1D LEVEL 1 FLOOR - PLAN  
1/8" = 1'-0"



1A LOWER LEVEL - PLAN  
1/8" = 1'-0"

- GENERAL NOTES**
- EXTERIOR DIMENSIONS ARE FROM FACE OF SHEATHING OR CMU, OR FACE OF CURTAIN WALL/STOREFRONT.
  - INTERIOR DIMENSIONS ARE TO FINISH FACE UNO.
  - LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL UNO.
  - PARTITIONS SHALL EXTEND UP TO STRUCTURE ABOVE PIPING, DUCTWORK, AND OTHER PENETRATIONS.
  - MAINTAIN PARTITION FIRE RATINGS BEHIND RECESSED FIRE EXTINGUISHER CABINETS
  - SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS
  - PROVIDE 8" METAL STUDS AT ALL PLUMBING WALLS.
  - PROVIDE 3" SOUND ATTENUATION BLANKET AT THE FOLLOWING LOCATIONS  
- ALL PUBLIC AREAS AND OFFICES - ALL SIDES  
- PUBLIC BATHROOMS - ALL SIDES
  - INSTALL BLOCKING IN PARTITIONS FOR ALL CASEWORK, WALL-MOUNTED EQUIPMENT, TRIM, GRAB BARS, ETC.
  - SEE LIFE SAFETY PLANS FOR REQUIRED HOUR FIRE SEPARATIONS.

REVISIONS		
REV. #	DESCRIPTION	DATE



**AYERS SAINT GROSS**  
ARCHITECTS + PLANNERS

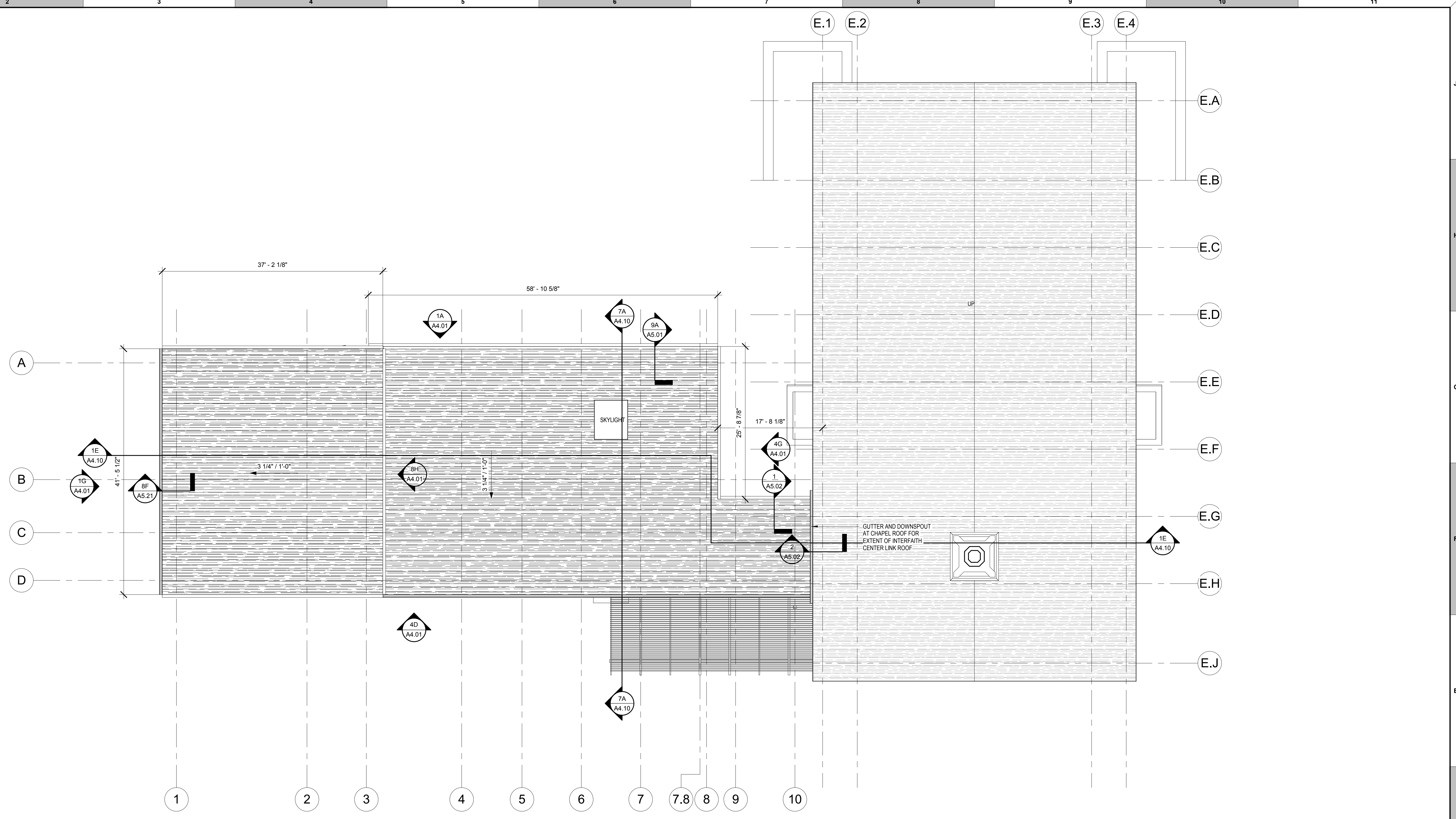
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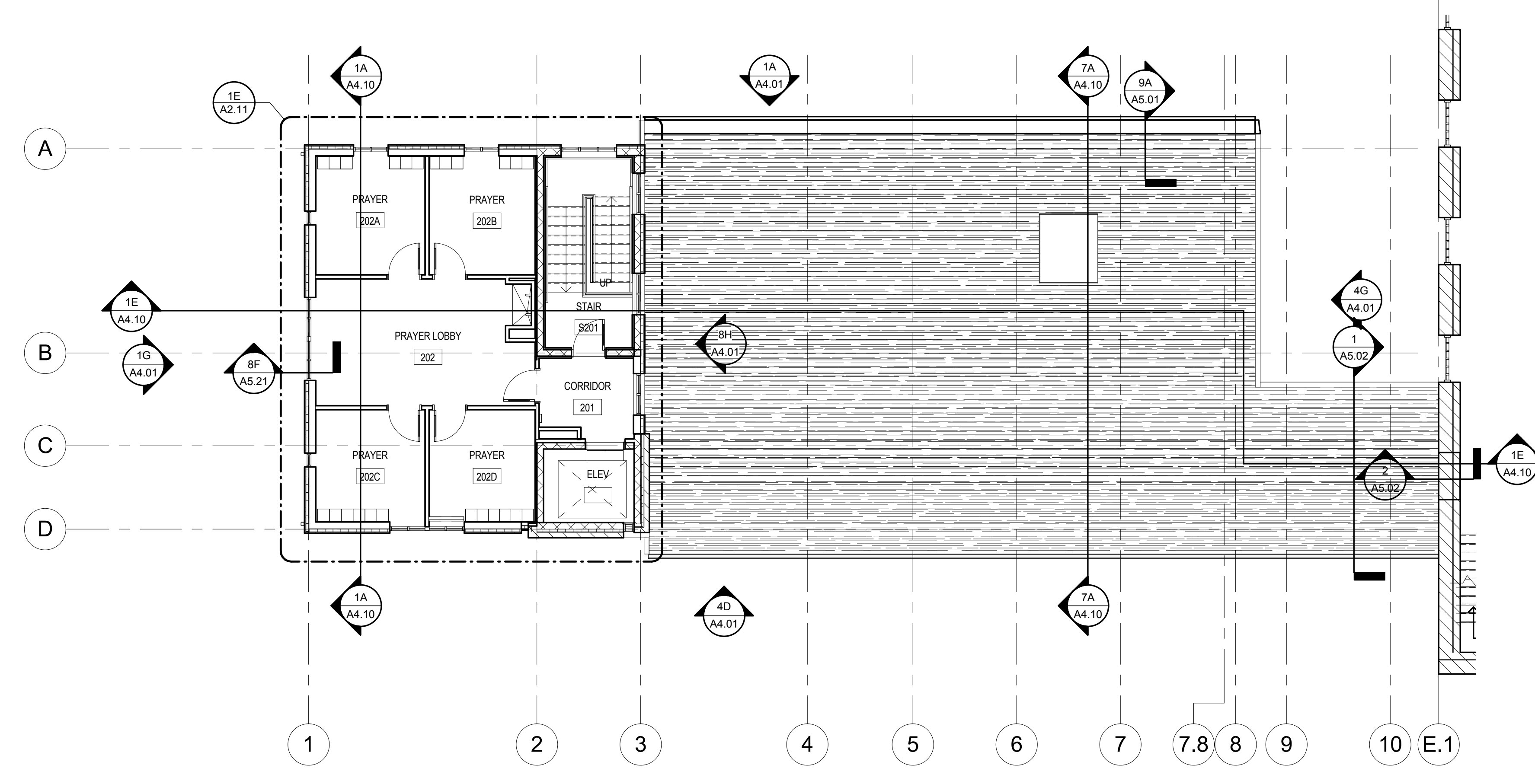
**50% CONSTRUCTION DOCUMENTS**

**FLOOR PLAN - LEVEL 2 & ROOF**

**DRAWING NUMBER**  
**A2.01**



**1D ROOF PLAN**  
1/8" = 1'-0"



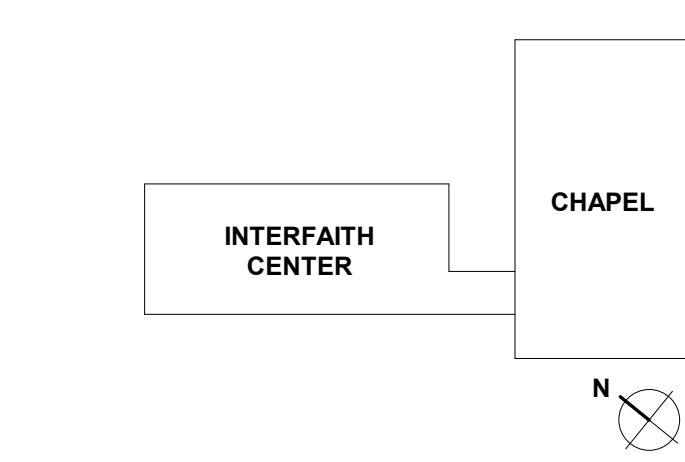
**1A LEVEL 2 FLOOR - PLAN**  
1/8" = 1'-0"

**GENERAL NOTES**

- EXTERIOR DIMENSIONS ARE FROM FACE OF SHEATHING OR CMU, OR FACE OF CURTAIN WALL/STOREFRONT.
- INTERIOR DIMENSIONS ARE TO FINISH FACE UNO.
- LOCATE DOOR OPENINGS 4" FROM NEAREST PERPENDICULAR WALL UNO.
- PARTITIONS SHALL EXTEND UP TO STRUCTURE ABOVE PIPING, DUCTWORK, AND OTHER PENETRATIONS.
- MAINTAIN PARTITION FIRE RATINGS BEHIND RECESSED FIRE EXTINGUISHER CABINETS
- SEE STRUCTURAL DRAWINGS FOR SLAB DEPRESSIONS AND CUTOUTS
- PROVIDE 8" METAL STUDS AT ALL PLUMBING WALLS.
- PROVIDE 3" SOUND ATTENUATION BLANKET AT THE FOLLOWING LOCATIONS  
- ALL PUBLIC AREAS AND OFFICES - ALL SIDES  
- PUBLIC BATHROOMS - ALL SIDES
- INSTALL BLOCKING IN PARTITIONS FOR ALL CASEWORK, WALL-MOUNTED EQUIPMENT, TRIM, GRAB BARS, ETC.
- SEE LIFE SAFETY PLANS FOR REQUIRED HOUR FIRE SEPARATIONS.

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



**AYERS SAINT GROSS**  
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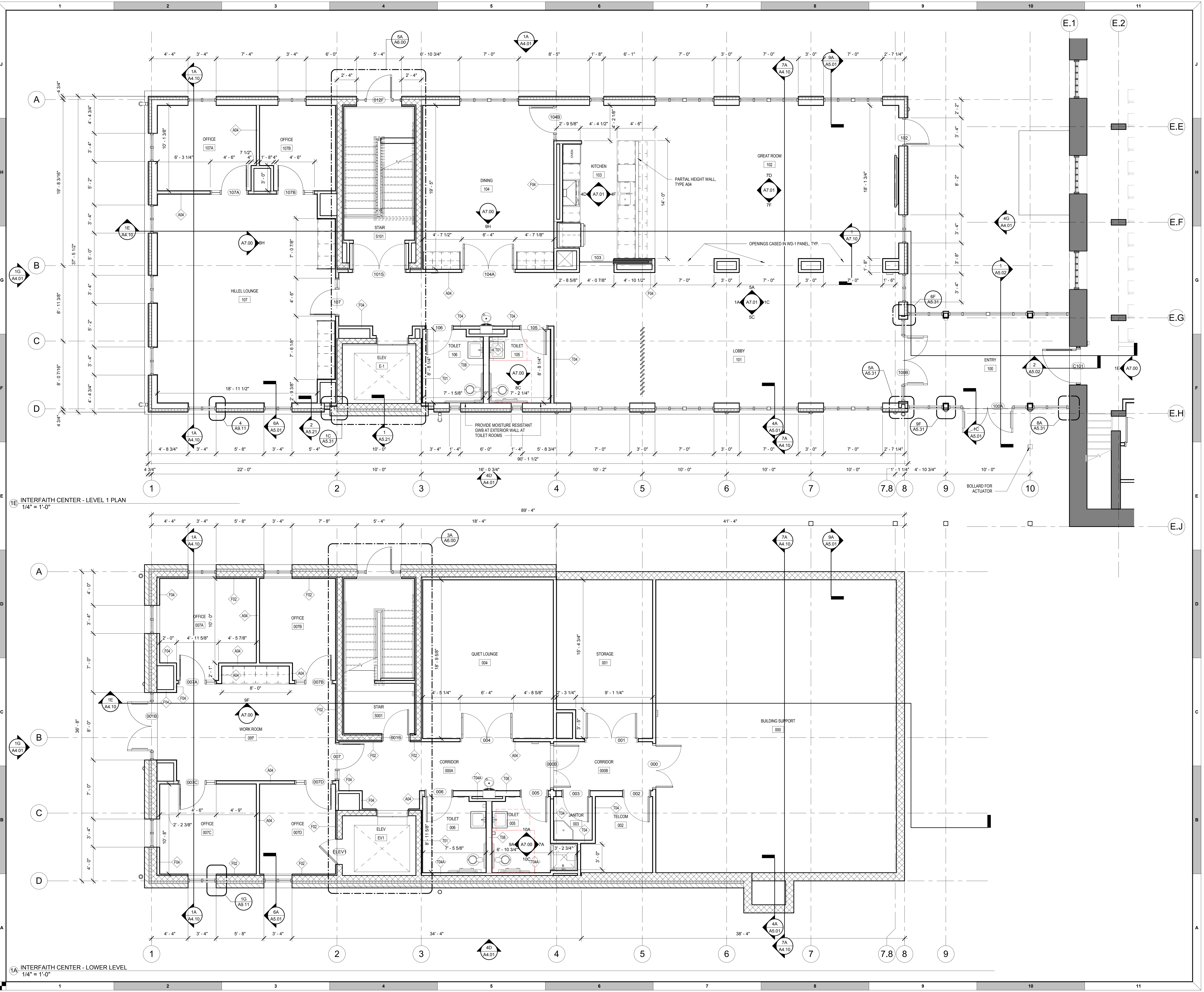
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SCALE:	1/4" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**ENLARGED PLANS - INTERFAITH CENTER BASEMENT & GROUND LEVEL**

DRAWING NUMBER  
**A2.10**

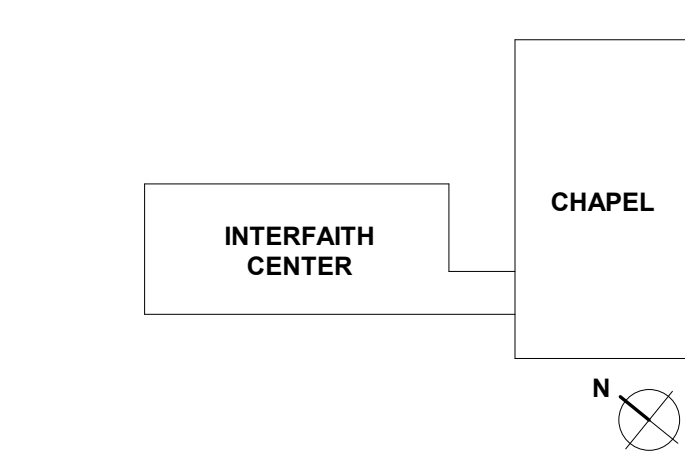


1E INTERFAITH CENTER - LEVEL 1 PLAN  
1/4" = 1'-0"

1A INTERFAITH CENTER - LOWER LEVEL  
1/4" = 1'-0"

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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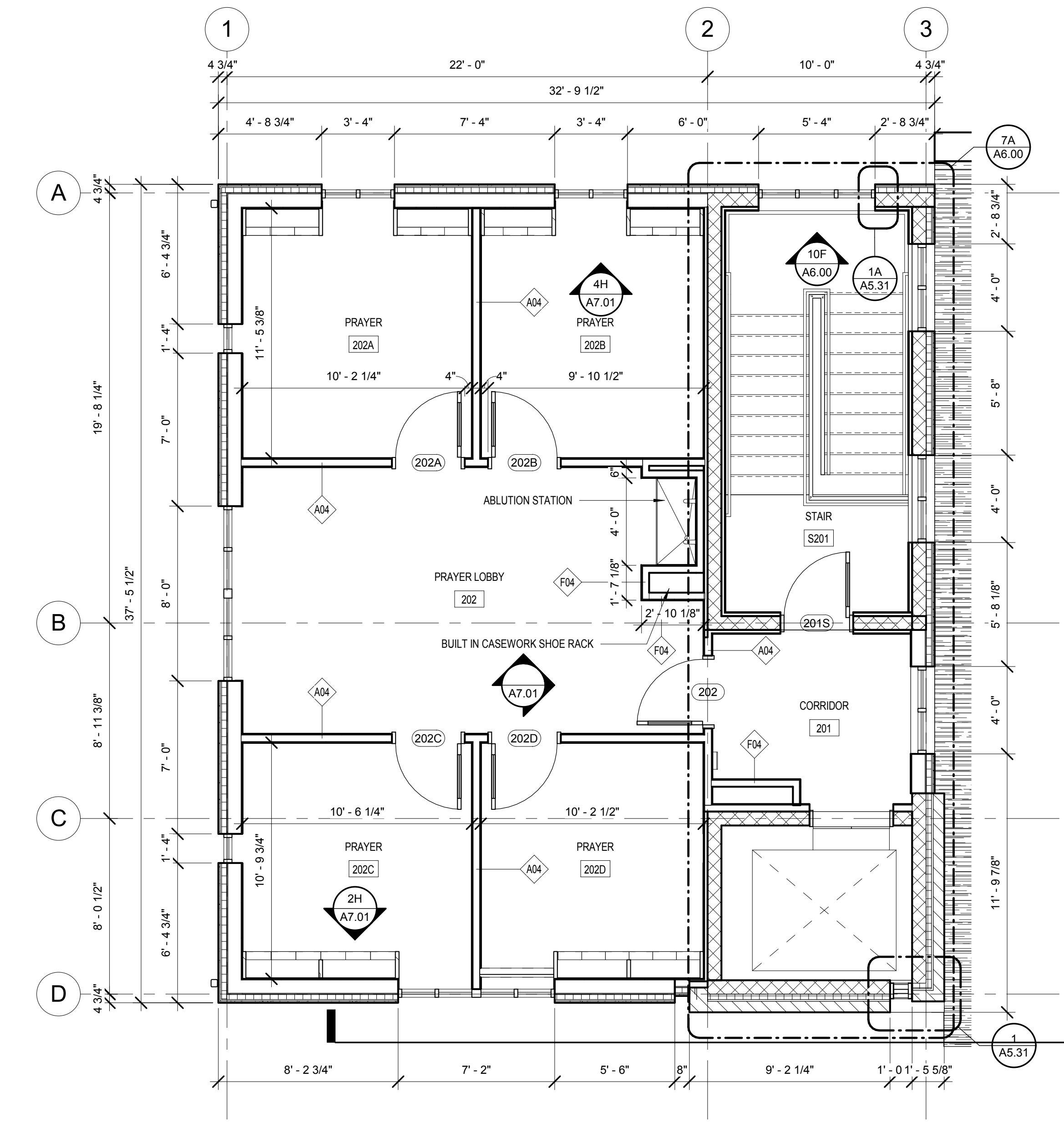
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DRAWING INFORMATION	
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JOB NO.:	21641.00
DRAWN BY:	ASG

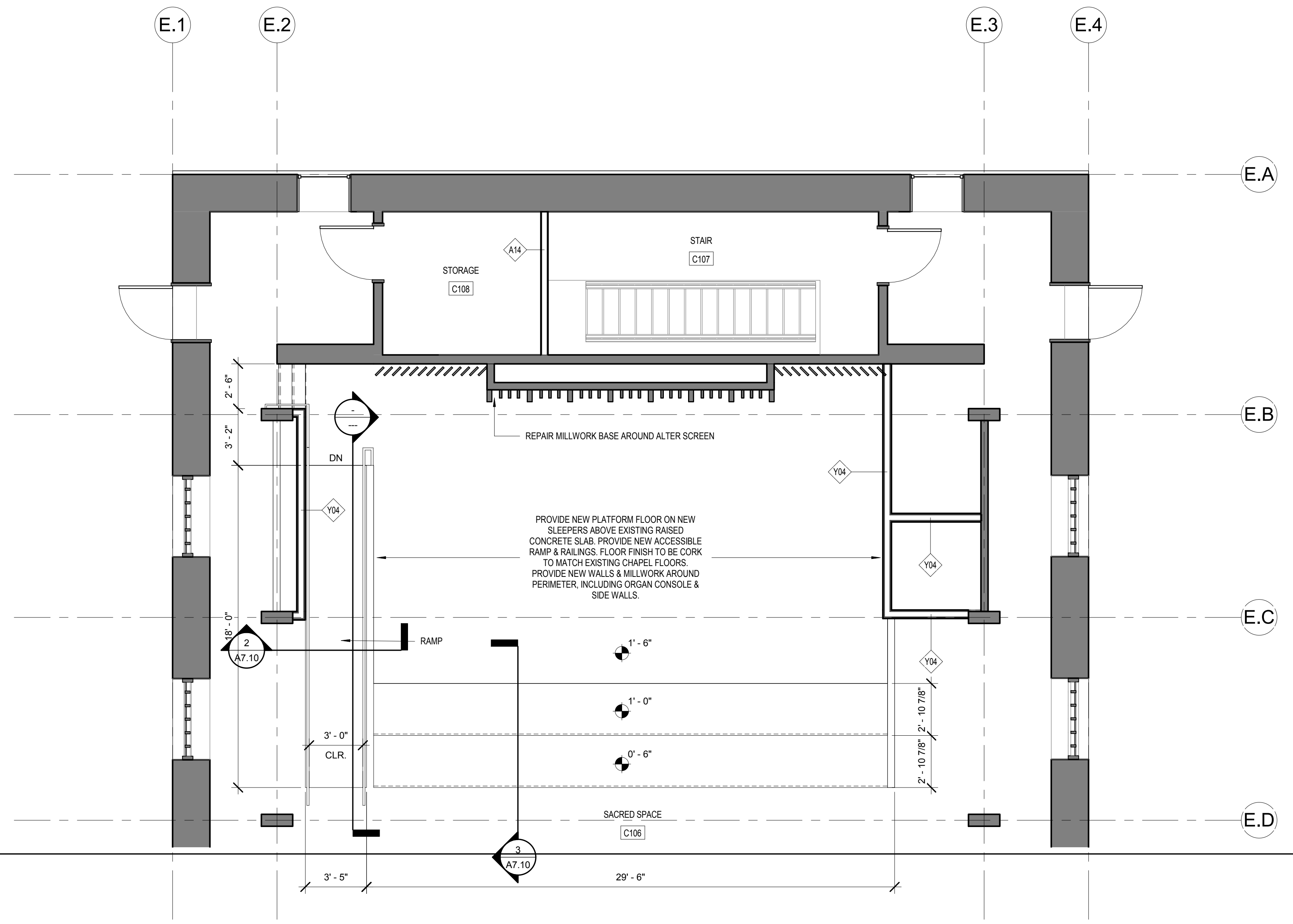
PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**ENLARGED PLANS - INTERFAITH CENTER LEVEL 2 & CHAPEL**

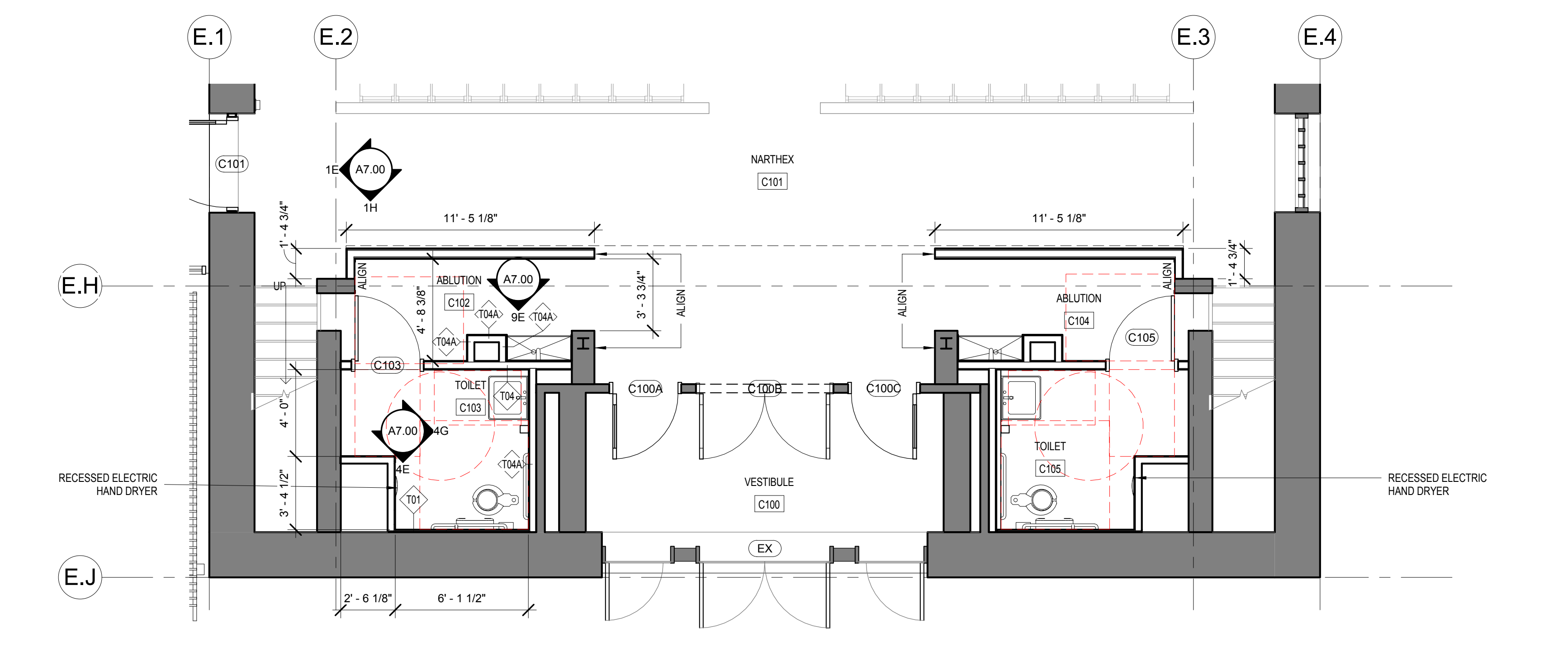
DRAWING NUMBER  
**A2.11**



1E INTERFAITH CENTER - LEVEL 2  
1/4" = 1'-0"



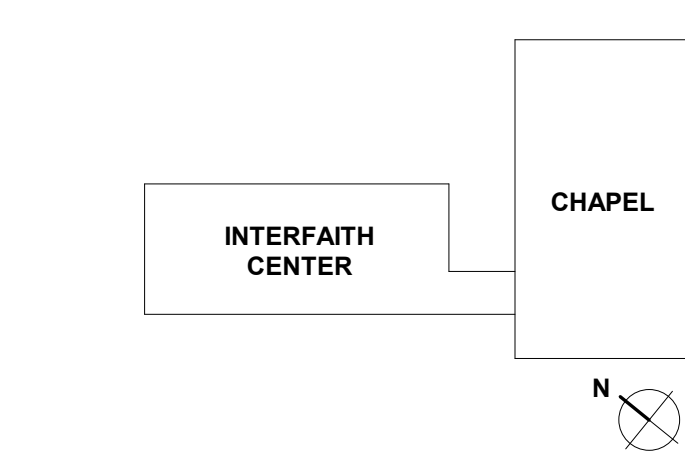
1E CHAPEL - LEVEL 1 ALTER  
1/4" = 1'-0"



1E CHAPEL - LEVEL 1 ENTRY AND TOILET ROOMS  
1/4" = 1'-0"

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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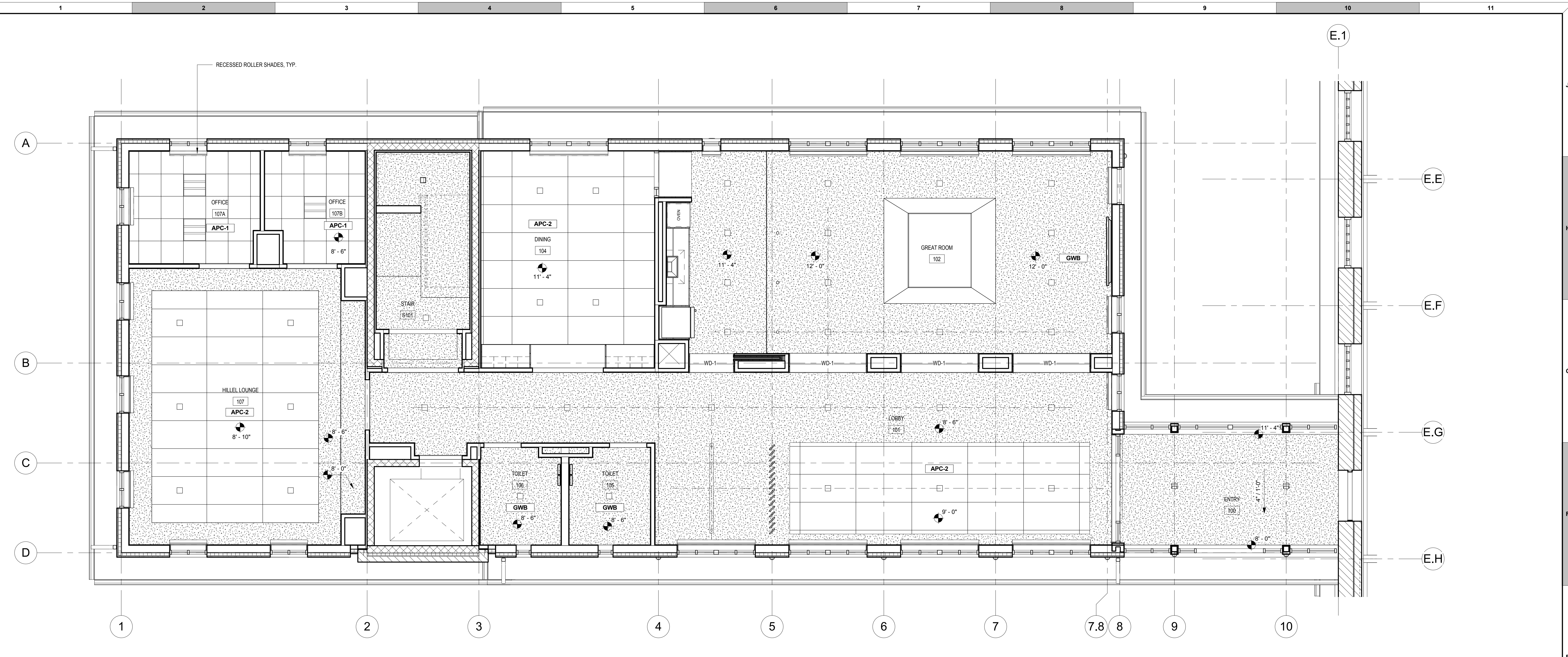
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SCALE:	As indicated
JOB NO.:	21641.00
DRAWN BY:	ASG

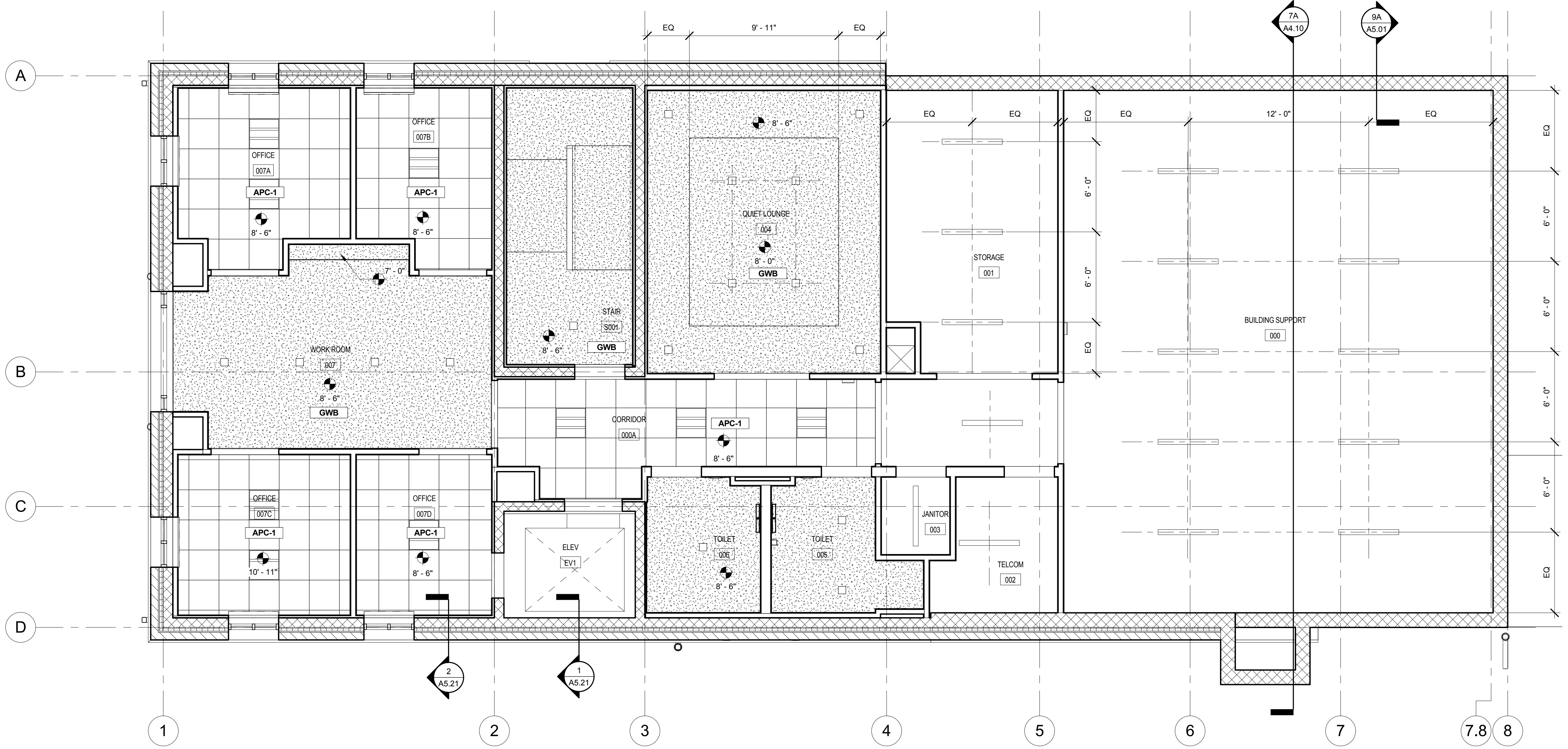
PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**REFLECTED CEILING PLAN - LOWER LEVEL & LEVEL 1**

DRAWING NUMBER  
**A3.10**



1E LEVEL 1 - REFLECTED CEILING PLAN  
1/4" = 1'-0"



1A LOWER LEVEL - REFLECTED CEILING PLAN  
1/4" = 1'-0"

**REFLECTED CEILING NOTES**

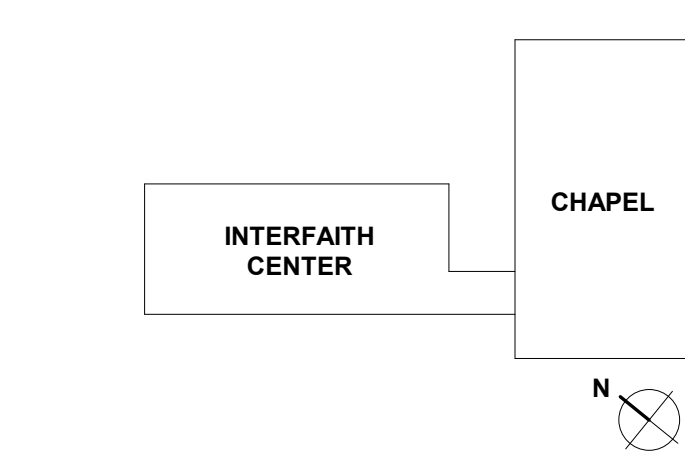
- Borders at lay-in acoustic ceiling panels shall be cut to match factory edge profile. No exposed fasteners shall be permitted including pop rivets and tappers.
- Height of ceilings shall be measured from top of slab to finish face of GWB or face of ceiling grid as indicated on the Reflected Ceiling Plan, UON.
- All light fixtures are to be installed according to the Architectural Reflected Ceiling Plan. Architect to review ceiling layout including bulkheads and grid prior to installation.
- Light fixture types, quantities and locations only are noted on Architectural Reflected Ceiling Plans. Specifications, switching, exit lights, emergency lighting, life safety equipment, and circuiting are noted on Engineering documents.
- Dimensioned light fixtures are from finished face of partitions to centerline of fixture and from centerline of fixture to centerline of fixture. All fixtures shall be installed in center of ceiling tile unless noted otherwise. Any discrepancies with light fixtures, switches, thermostats, or diffusers as to location between architectural and engineering drawings or between the drawings and existing field conditions shall be clarified with the Architect before proceeding with installation.
- Existing wood slat ceiling and square recessed light fixtures at underside of choir loft in Chapel to remain. Patch and repair the ceiling where demolition occurred to match existing.
- Provide and install manual recessed roller shades at all windows, UON.
- Provide and install motorized recessed roller shades at windows in double height Great Room.
- Provide and install K-13 Spray On Acoustic Treatment to underside of structural deck throughout the Lower Level.

**LIGHT FIXTURE LEGEND**

- 6" SQ. RECESSED LED DOWNLIGHT
- DECORATIVE LED SCONCE - ALLOW \$300 PER FIXTURE
- 2X2 RECESSED DIRECT/INDIRECT LED
- DECORATIVE VANITY SCONCE
- 8"-0" UTILITY LINEAR LED PENDANT FIXTURE
- EXISTING CHAPEL PENDANT FIXTURE - RELAMP WITH LED

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

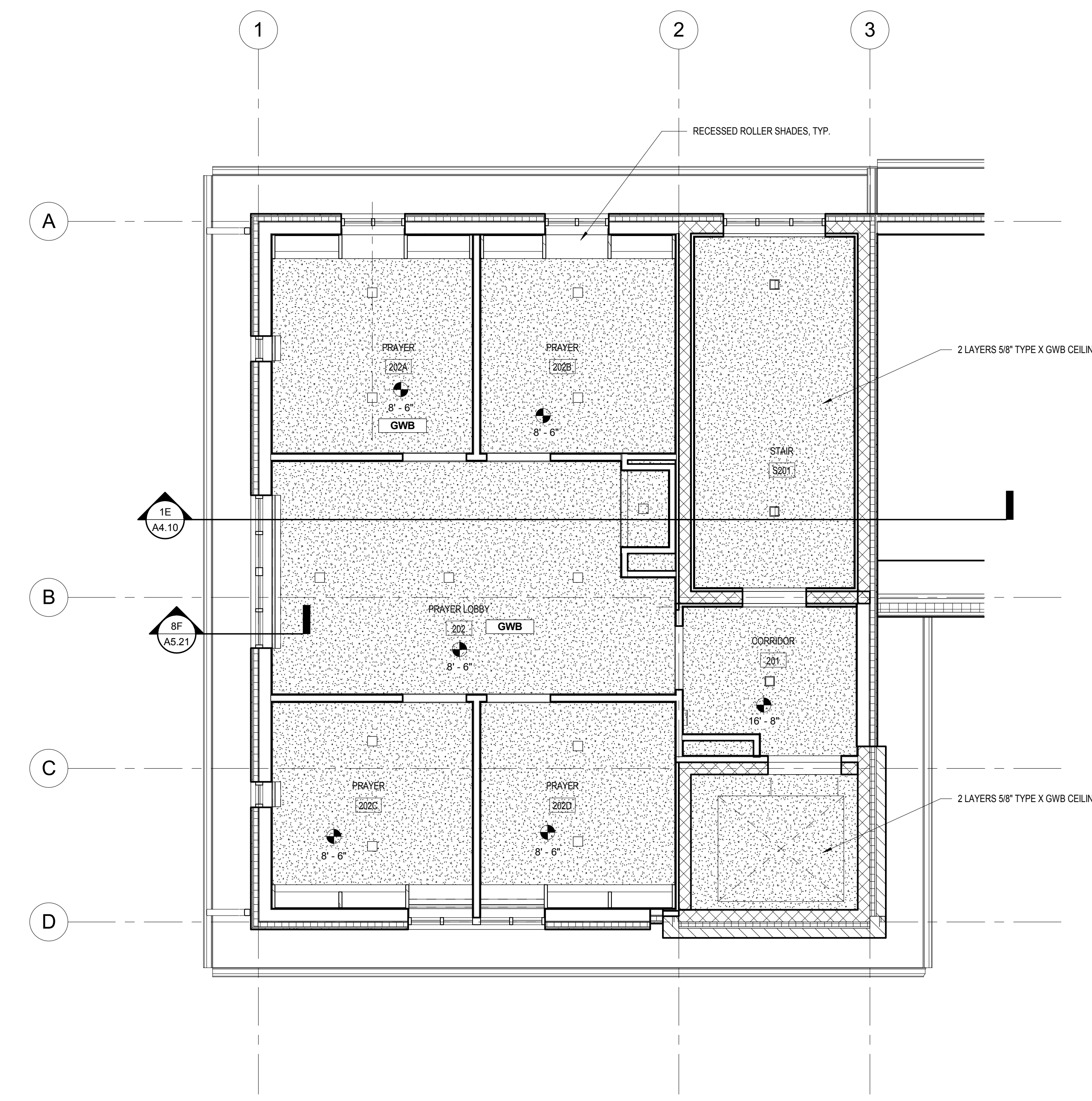
NOT FOR CONSTRUCTION

DRAWING INFORMATION	
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SCALE:	1/4" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

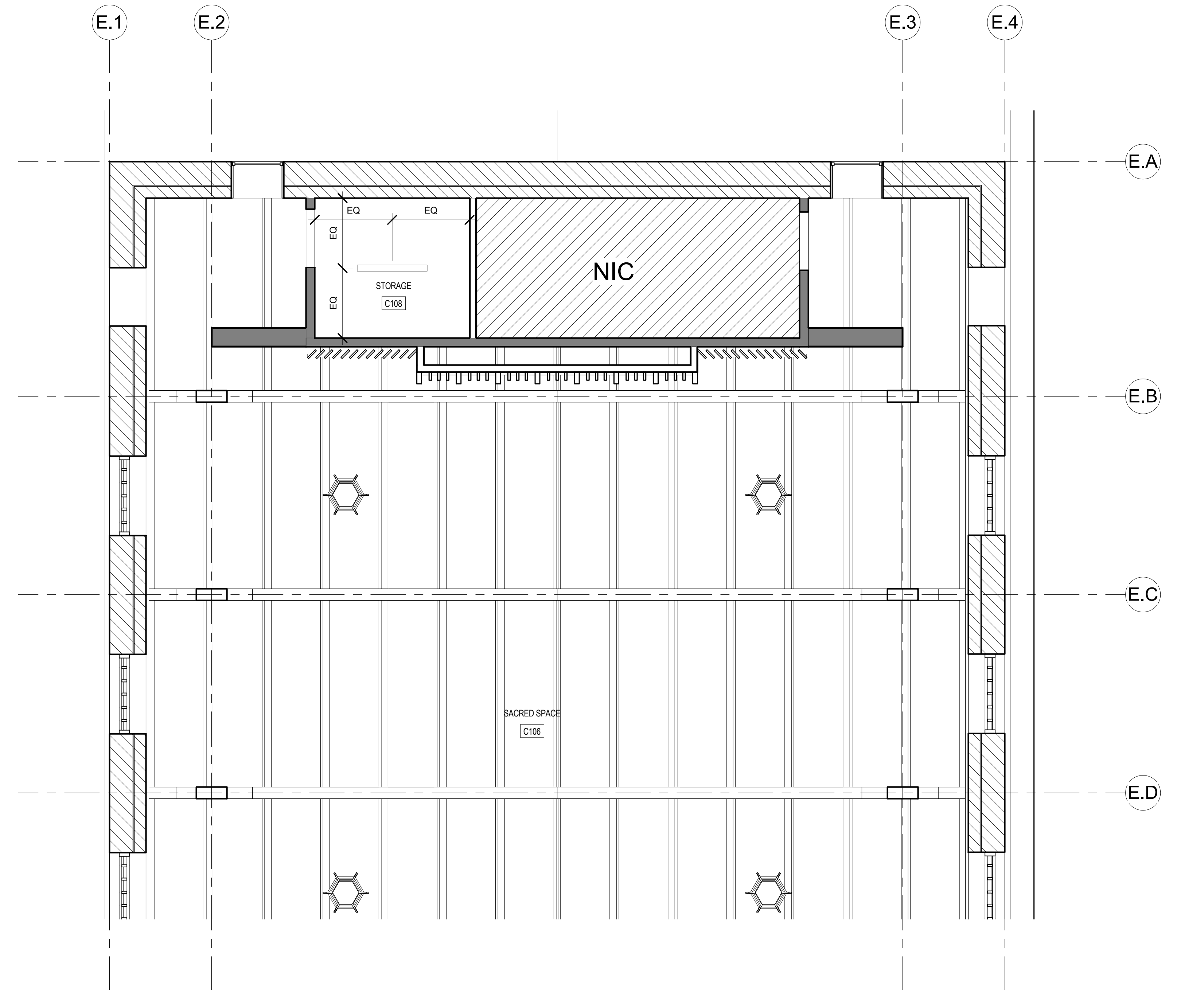
PROJECT DESIGN PHASE  
50% CONSTRUCTION DOCUMENTS

DRAWING NAME  
REFLECTED CEILING PLAN - LEVEL 2 & CHAPEL

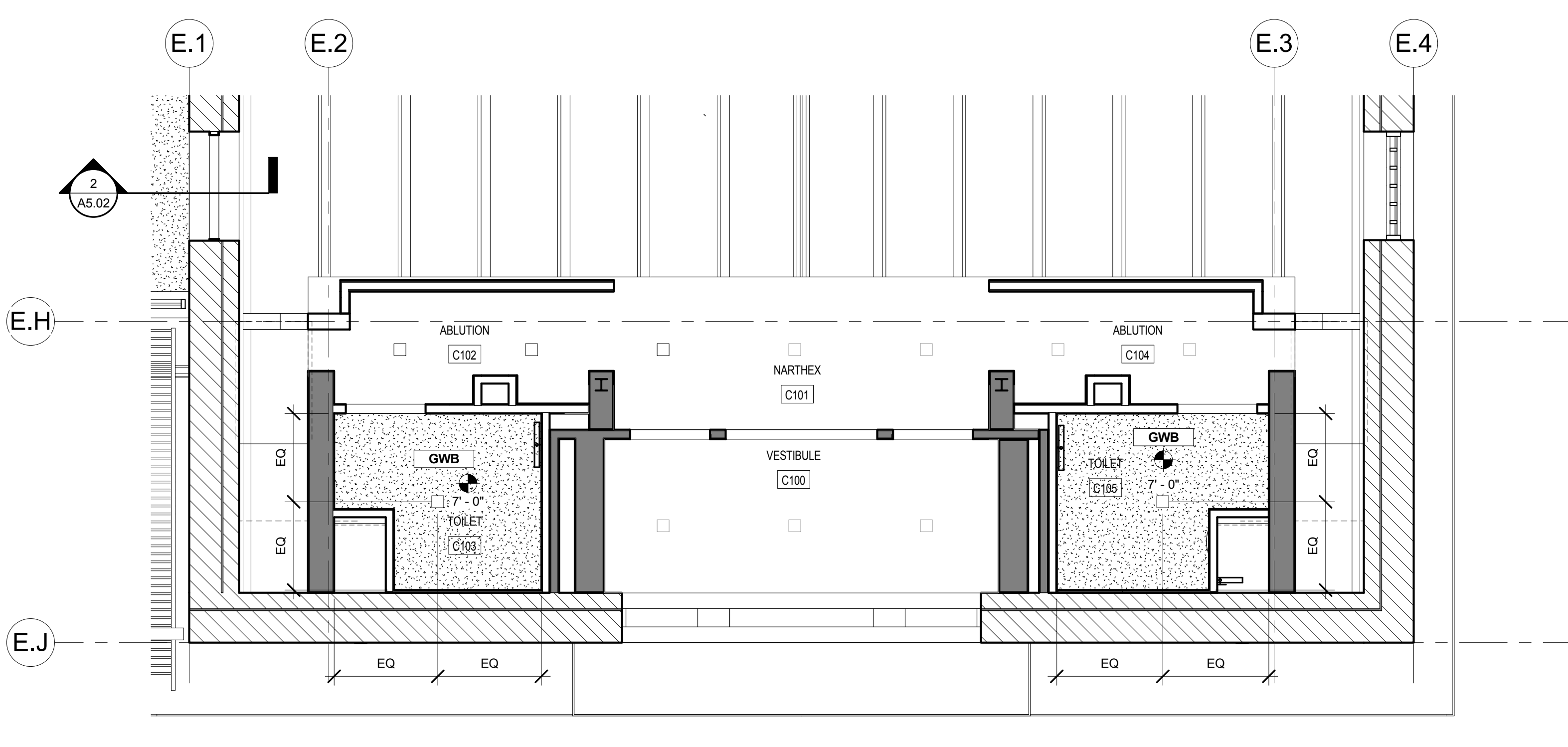
DRAWING NUMBER  
**A3.11**



1E INTERFAITH CENTER - LEVEL 2 - REFLECTED CEILING PLAN  
1/4" = 1'-0"



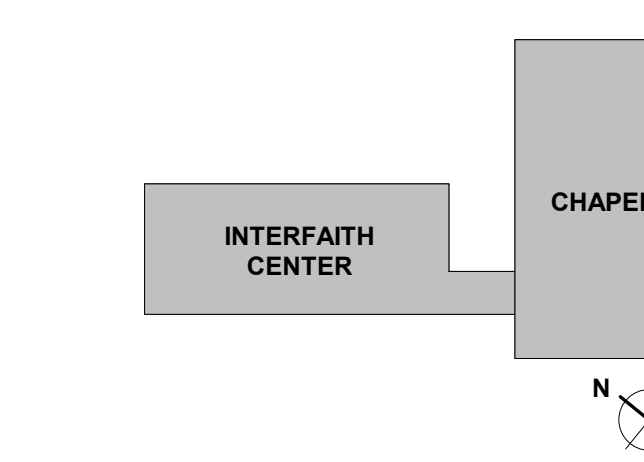
6E CHAPEL ALTER - REFLECTED CEILING PLAN  
1/4" = 1'-0"



6A CHAPEL ENTRY AND TOILET ROOMS - REFLECTED CEILING PLAN  
1/4" = 1'-0"

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



**AYERS SAINT GROSS**

ARCHITECTS + PLANNERS

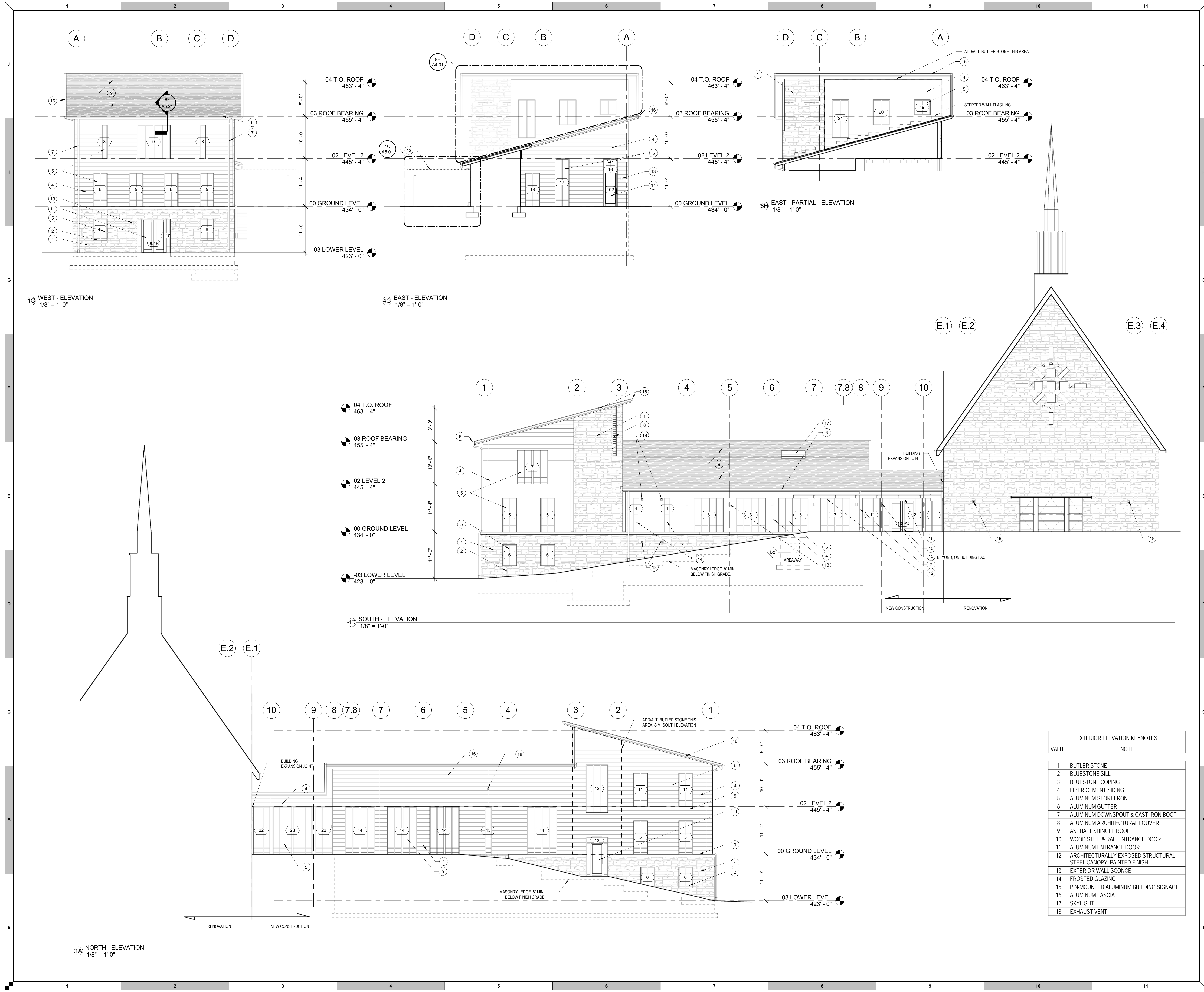
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SCALE:	1/8" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**BUILDING ELEVATIONS**

DRAWING NUMBER  
**A4.01**

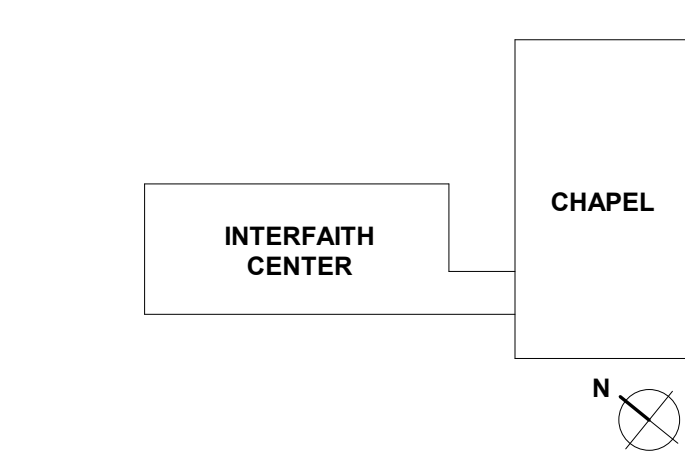


EXTERIOR ELEVATION KEYNOTES	
VALUE	NOTE
1	BUTLER STONE
2	BLUESTONE SILL
3	BLUESTONE COPING
4	FIBER CEMENT SIDING
5	ALUMINUM STOREFRONT
6	ALUMINUM GUTTER
7	ALUMINUM DOWNSPOUT & CAST IRON BOOT
8	ALUMINUM ARCHITECTURAL LOUVER
9	ASPHALT SHINGLE ROOF
10	WOOD STILE & RAIL ENTRANCE DOOR
11	ALUMINUM ENTRANCE DOOR
12	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL CANOPY, PAINTED FINISH.
13	EXTERIOR WALL SCIENCE
14	FROSTED GLAZING
15	PIN-MOUNTED ALUMINUM BUILDING SIGNAGE
16	ALUMINUM FASCIA
17	SKYLIGHT
18	EXHAUST VENT



REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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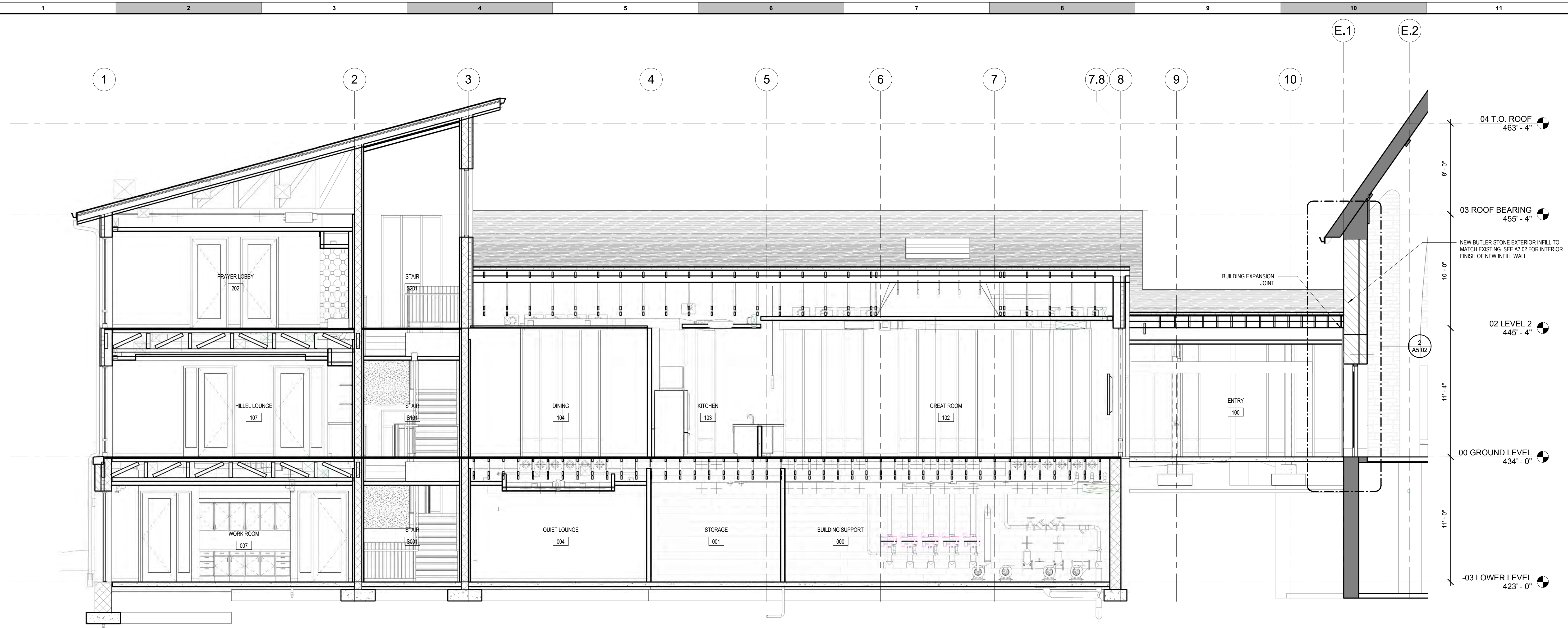
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DRAWN BY:	ASG

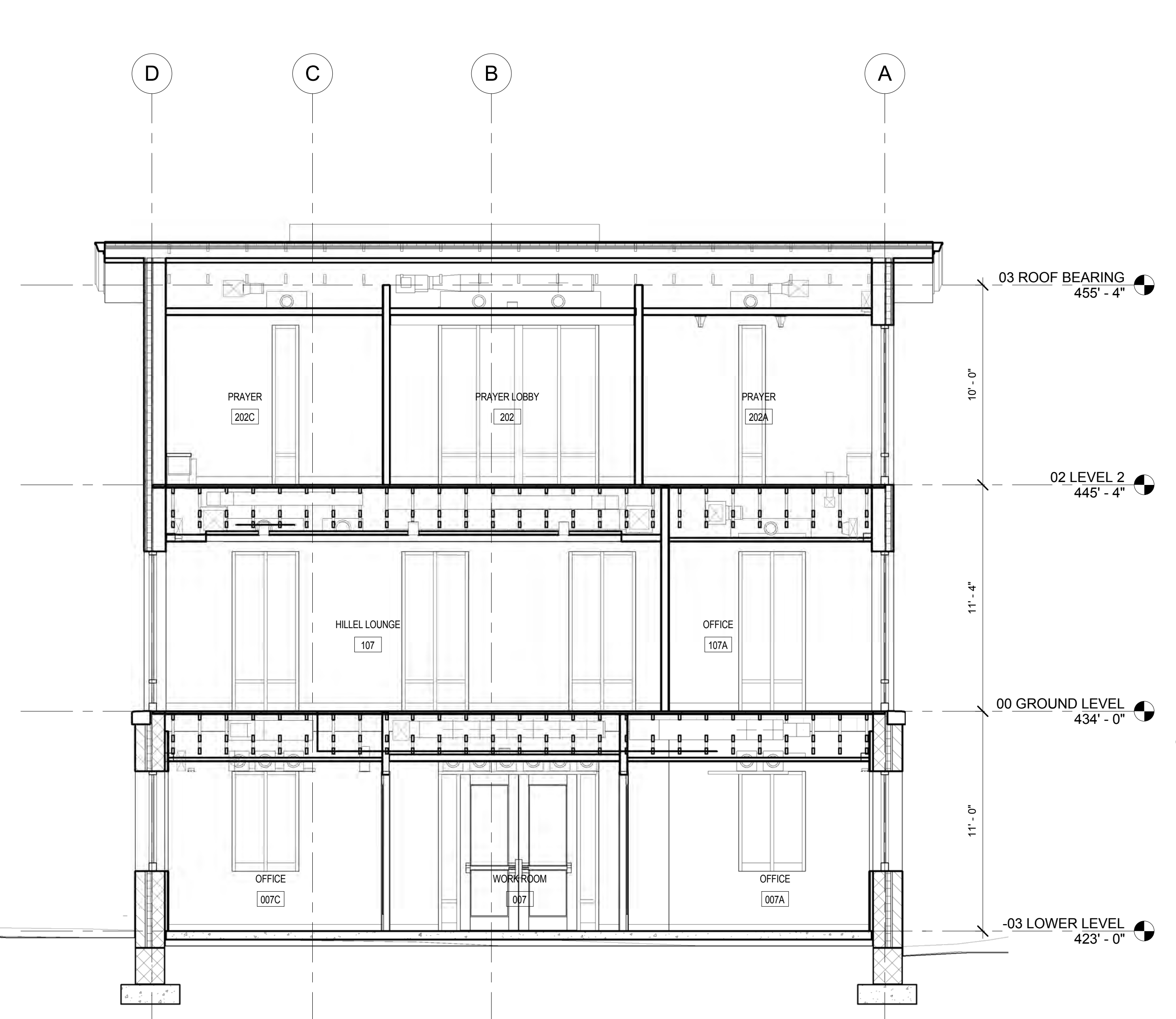
PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**BUILDING SECTIONS**

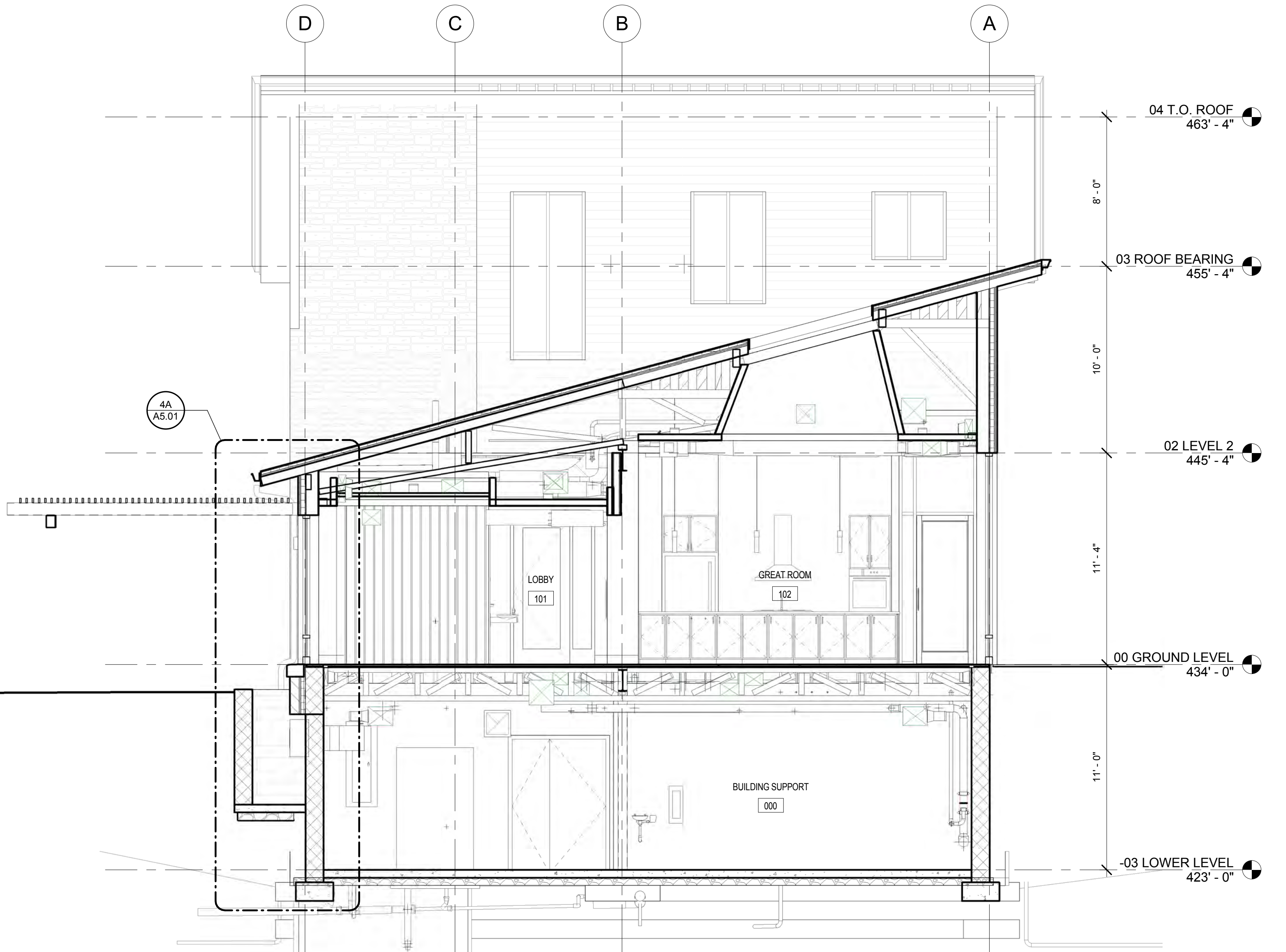
DRAWING NUMBER  
**A4.10**



1E LONGITUDINAL BUILDING SECTION  
1/4" = 1'-0"



1A BUILDING CROSS SECTION AT OFFICES AND PRAYER ROOMS  
1/4" = 1'-0"

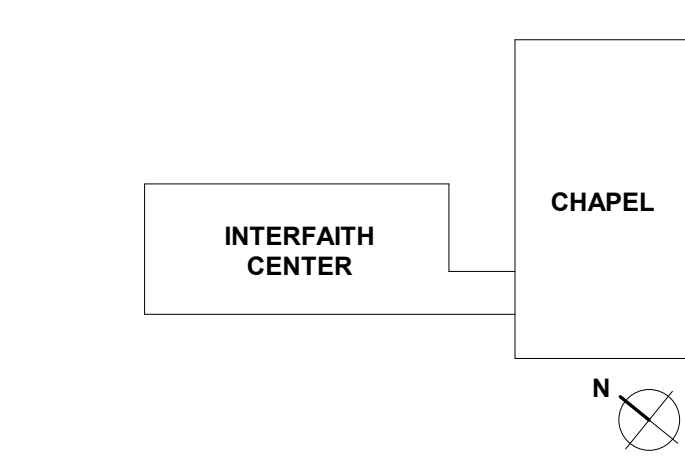


1A BUILDING CROSS SECTION AT GREAT ROOM AND LOBBY  
1/4" = 1'-0"

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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



**AYERS SAINT GROSS**  
ARCHITECTS + PLANNERS

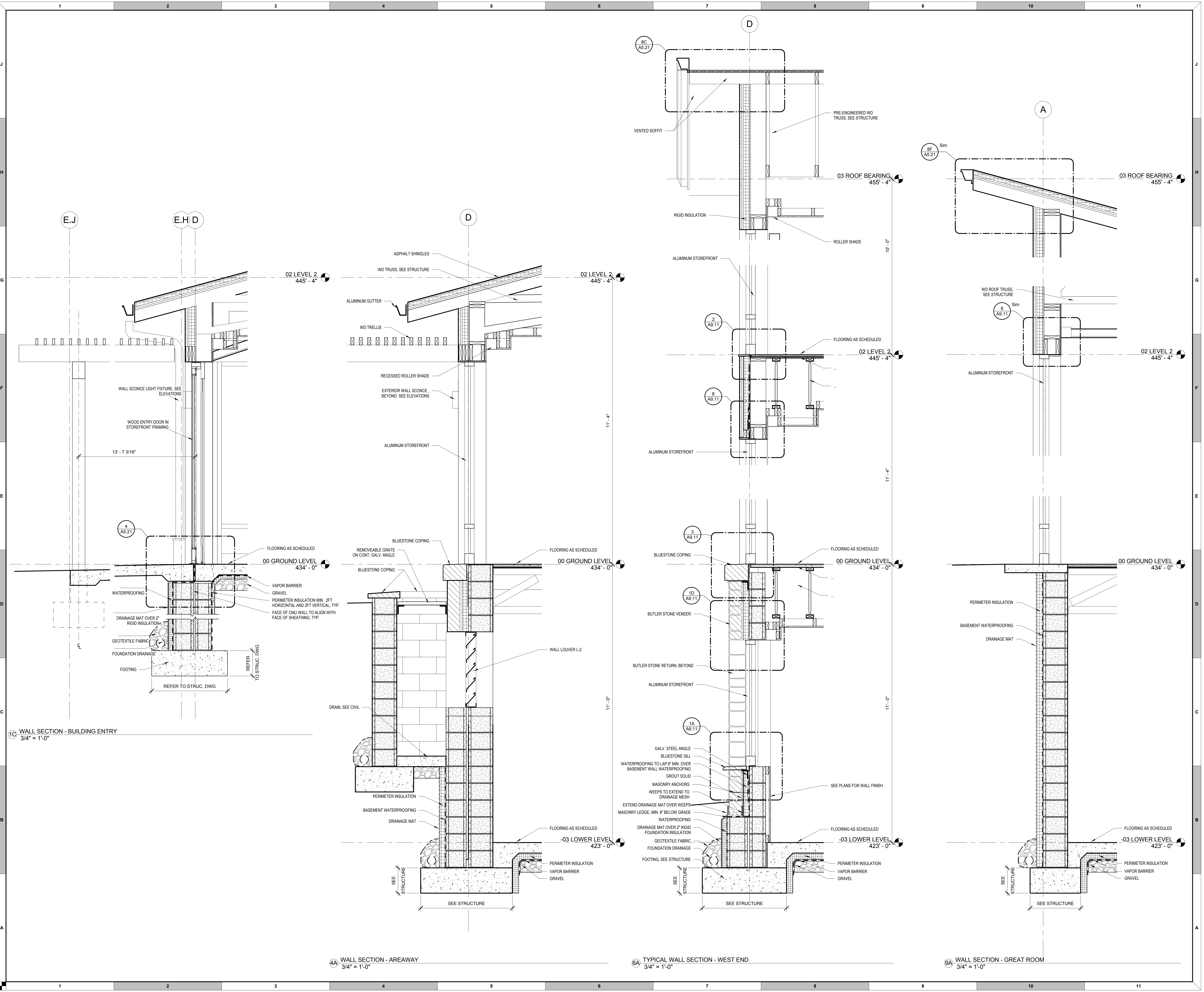
NOT FOR CONSTRUCTION

DRAWING INFORMATION	
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SCALE:	3/4" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**WALL SECTIONS**

DRAWING NUMBER  
**A5.01**

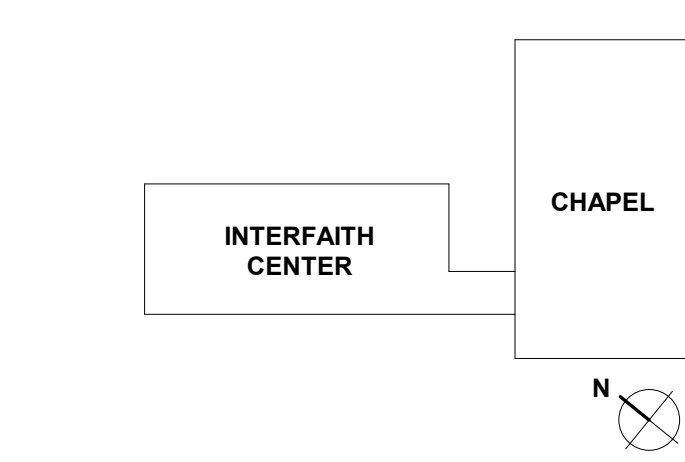


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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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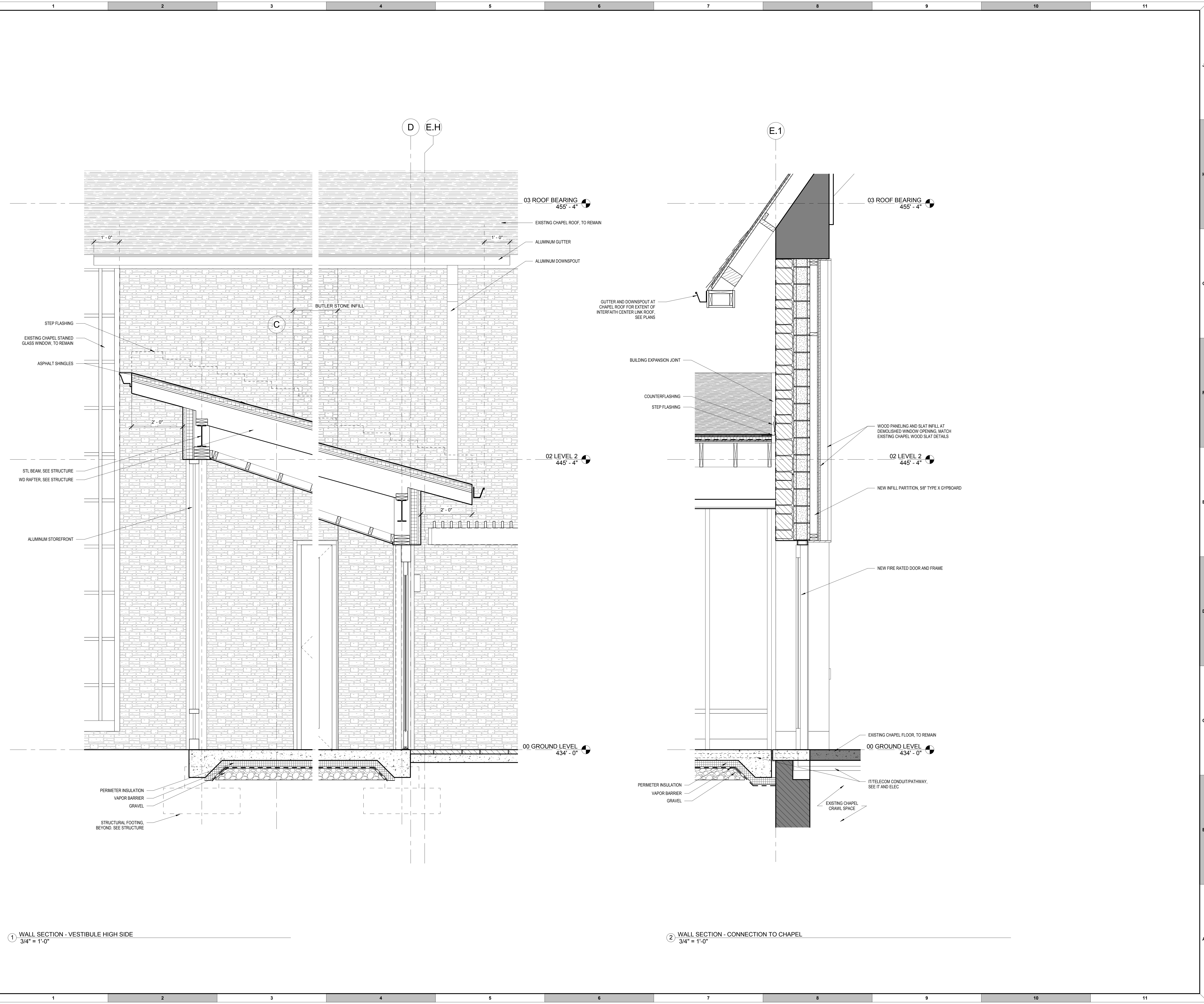
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ISSUE DATE:	04/28/17
SCALE:	3/4" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**WALL SECTIONS**

DRAWING NUMBER  
**A5.02**



1 WALL SECTION - VESTIBULE HIGH SIDE  
3/4" = 1'-0"

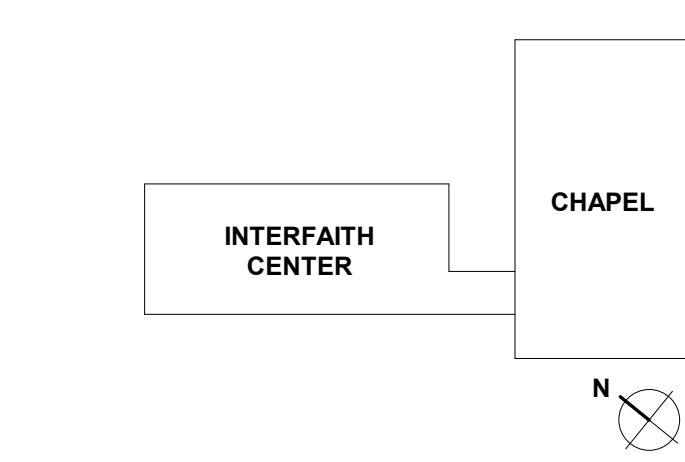
2 WALL SECTION - CONNECTION TO CHAPEL  
3/4" = 1'-0"

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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

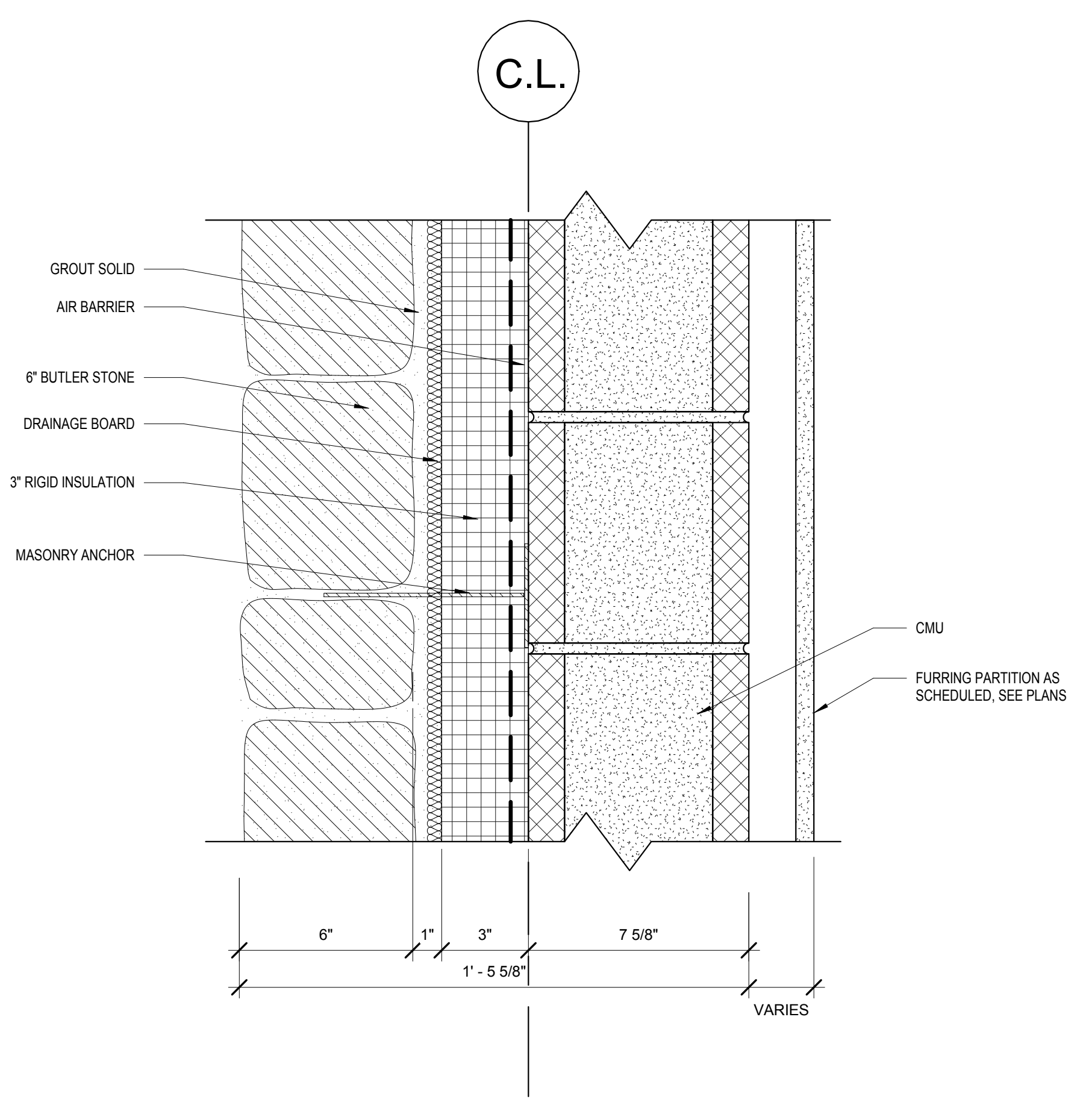
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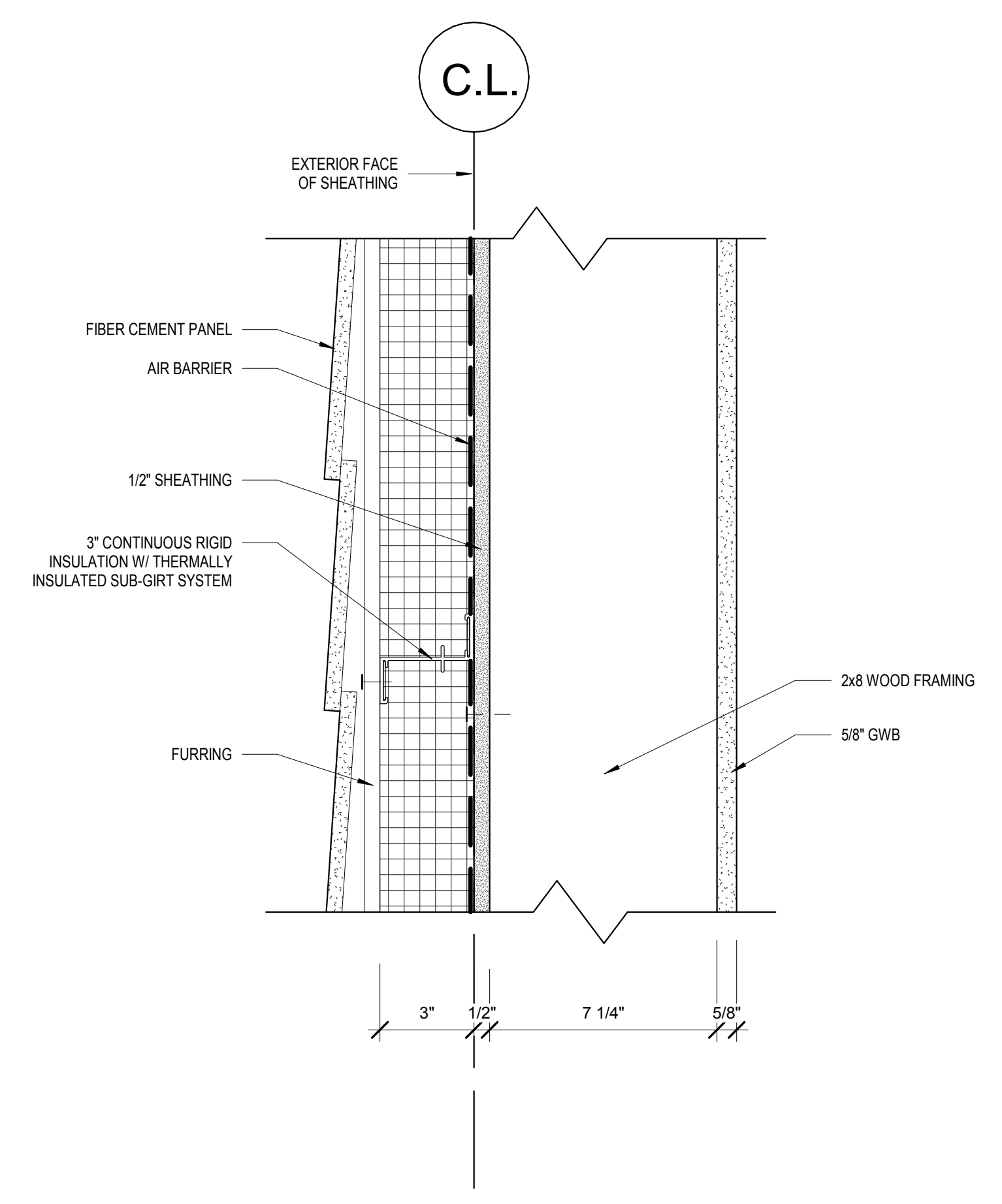
PROJECT DESIGN PHASE  
50% CONSTRUCTION DOCUMENTS

DRAWING NAME  
EXTERIOR ASSEMBLIES

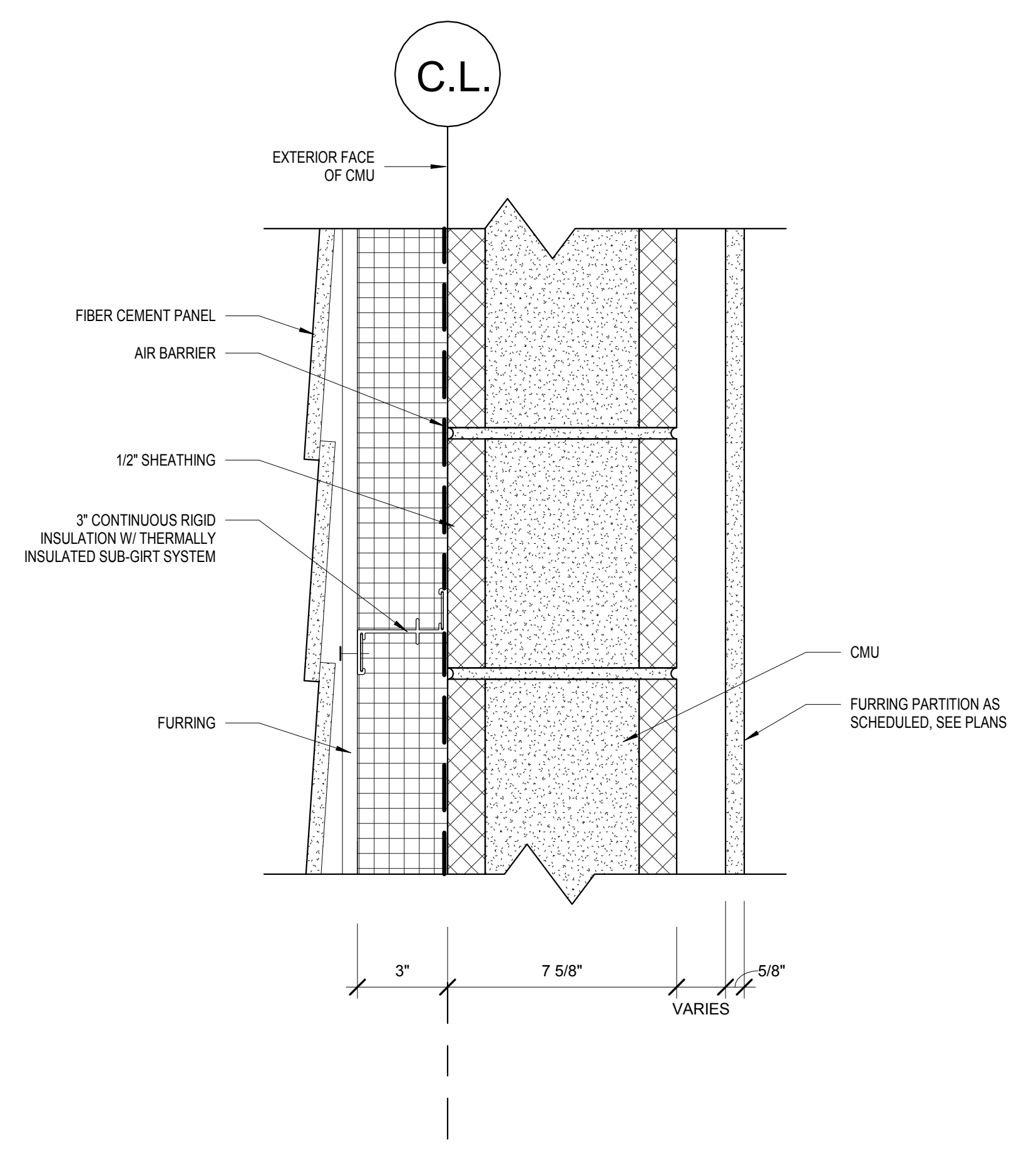
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**A5.11**



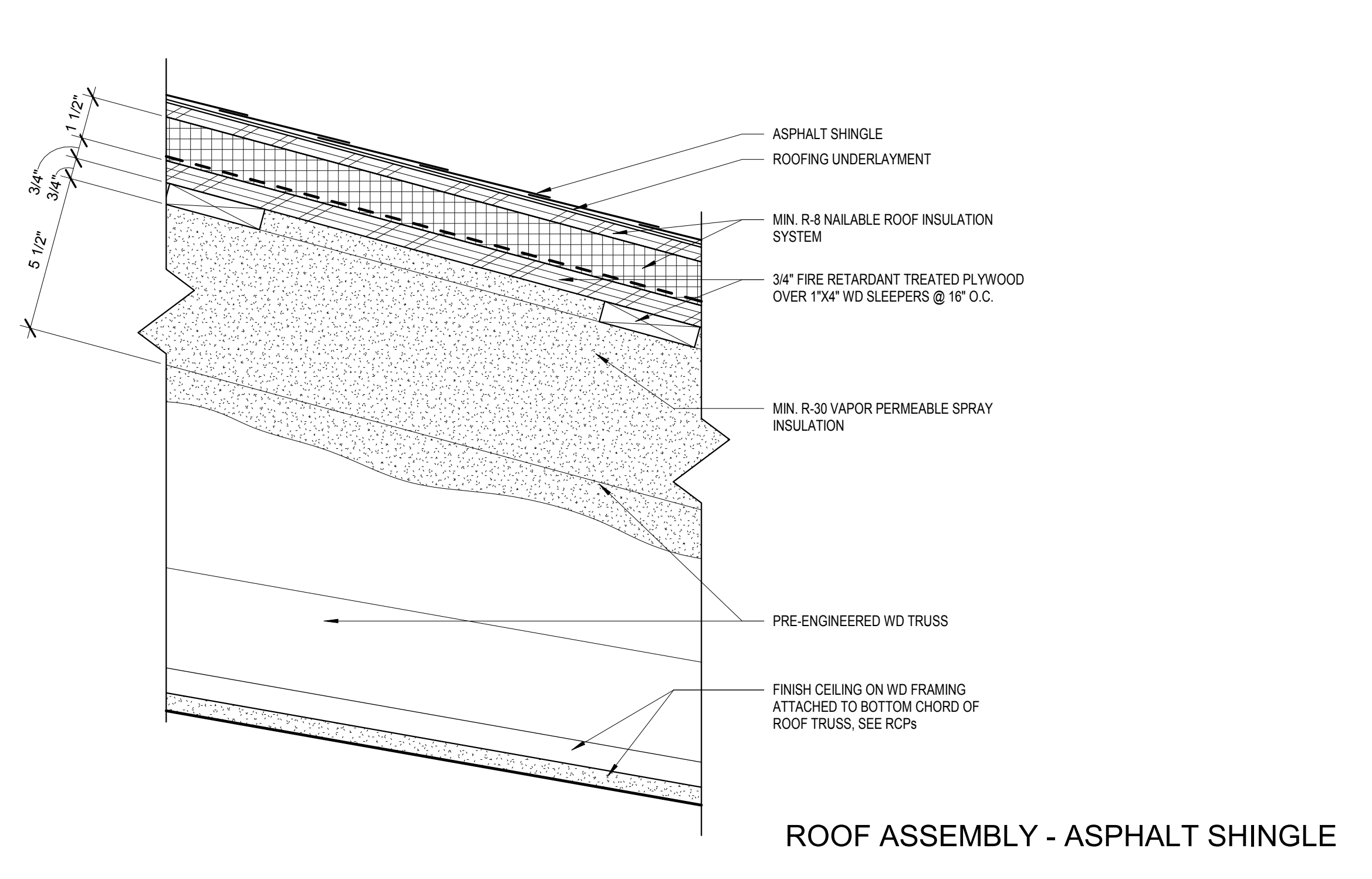
EX-1  
BUTLER STONE ON CMU



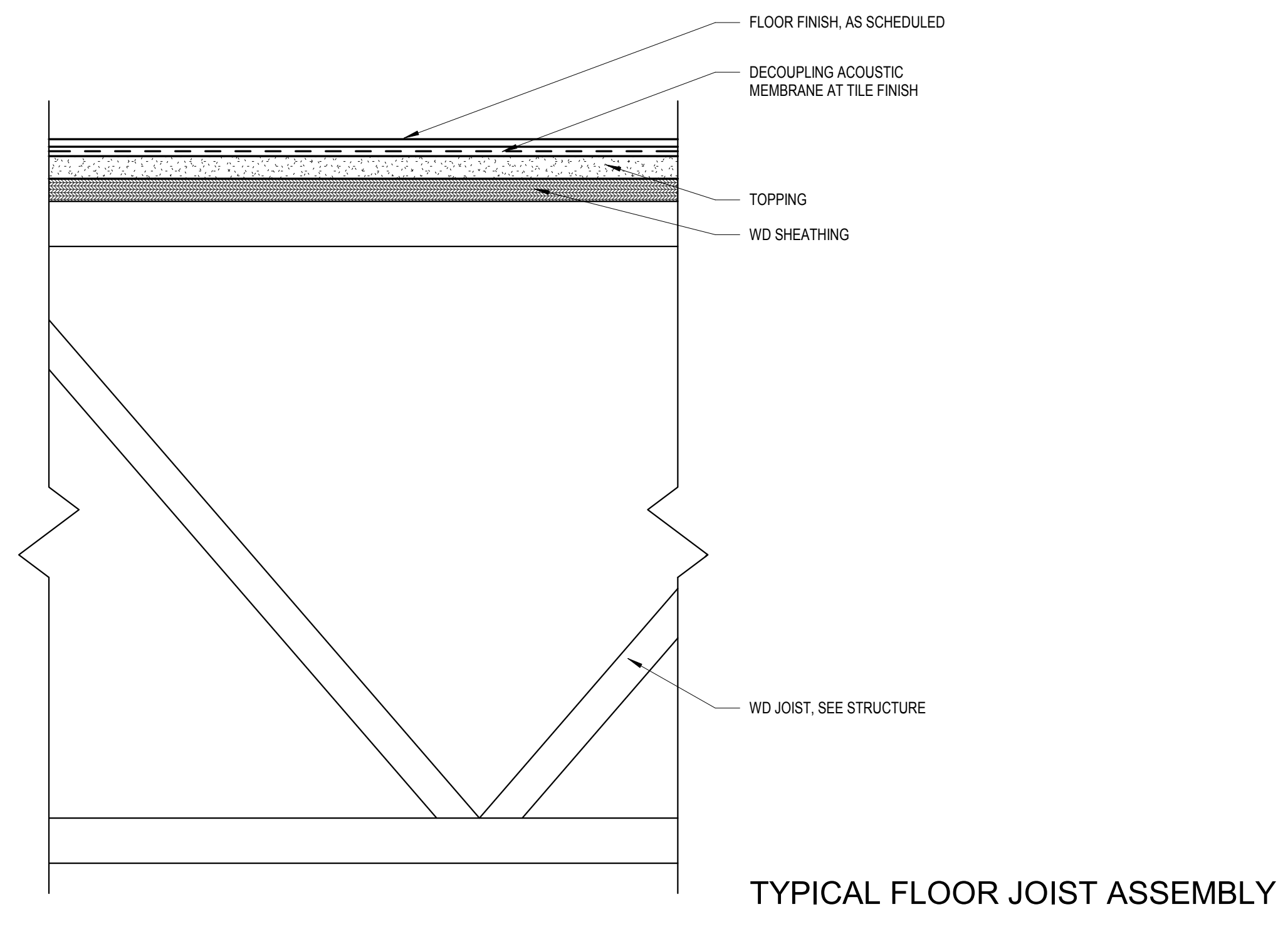
EX-2A  
FIBER CEMENT PANEL ON  
2x8 WOOD FRAMING



EX-2B  
FIBER CEMENT PANEL ON CMU



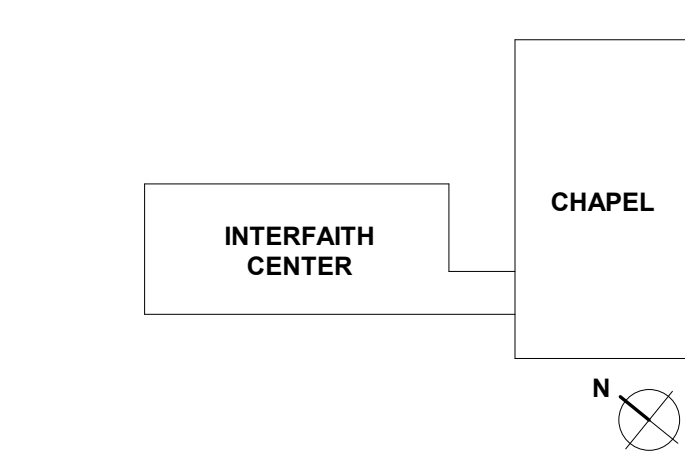
ROOF ASSEMBLY - ASPHALT SHINGLE



TYPICAL FLOOR JOIST ASSEMBLY

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



**AYERS SAINT GROSS**  
ARCHITECTS + PLANNERS

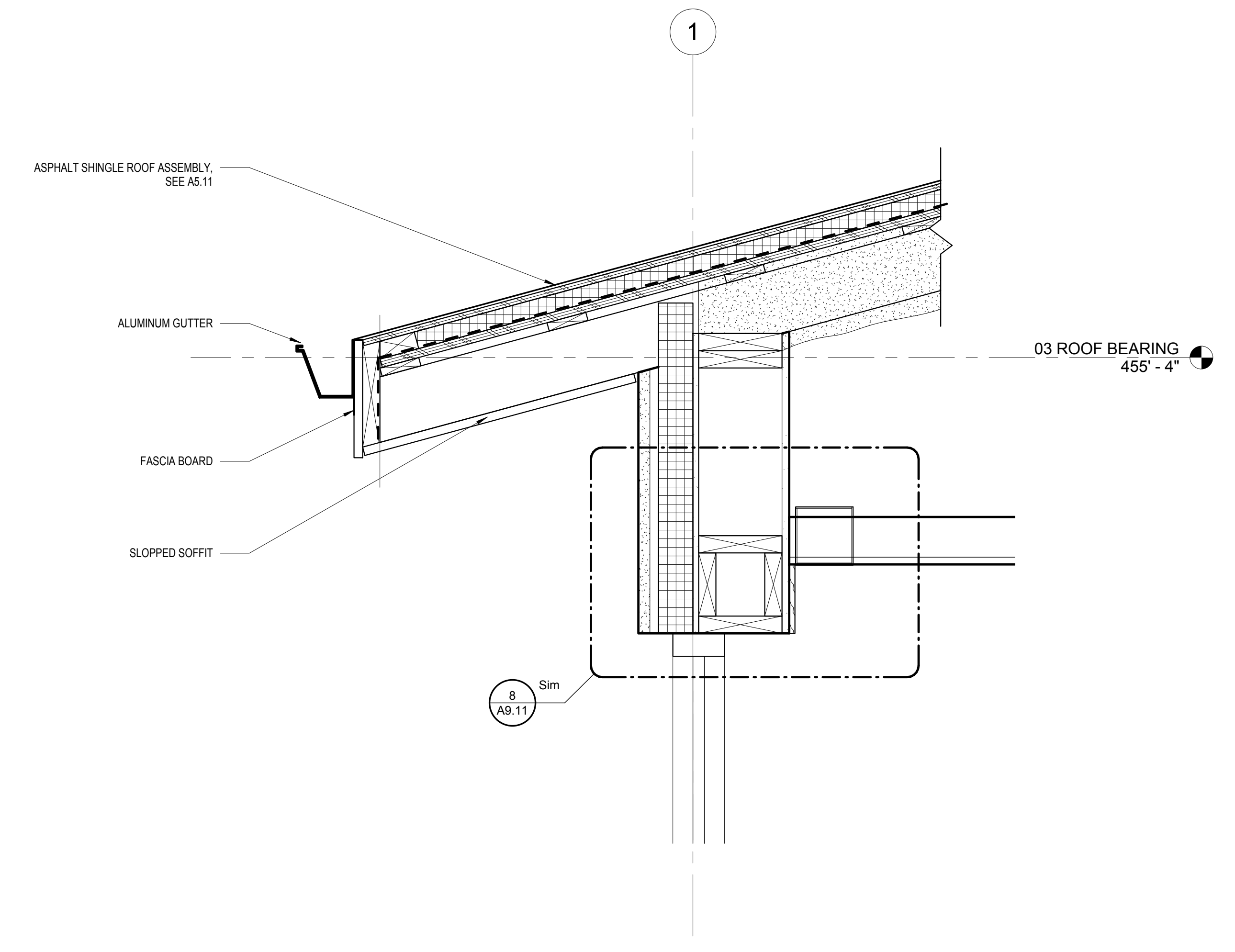
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SCALE:	1 1/2" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

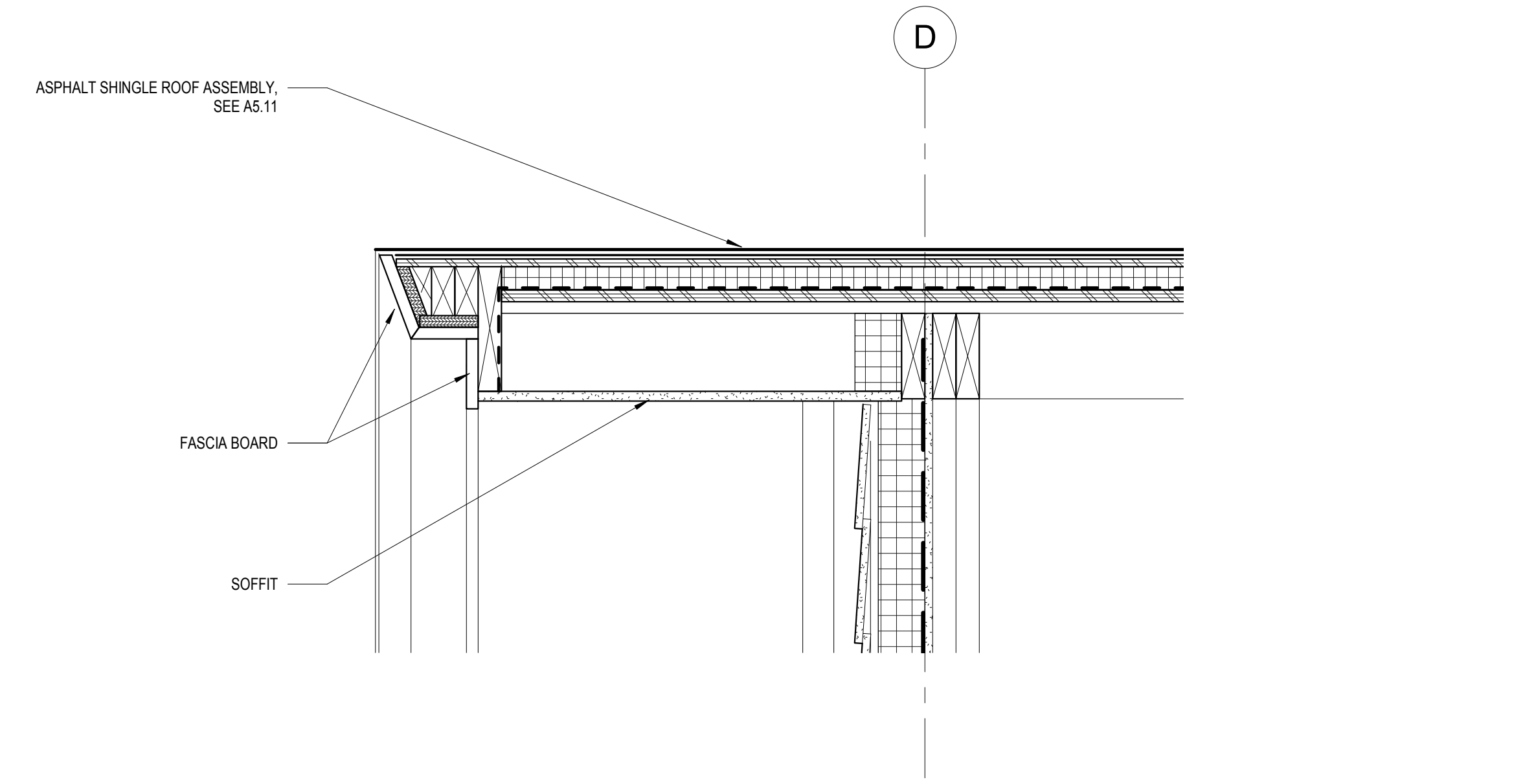
PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**  
DRAWING NAME

SECTION DETAILS - EXTERIOR

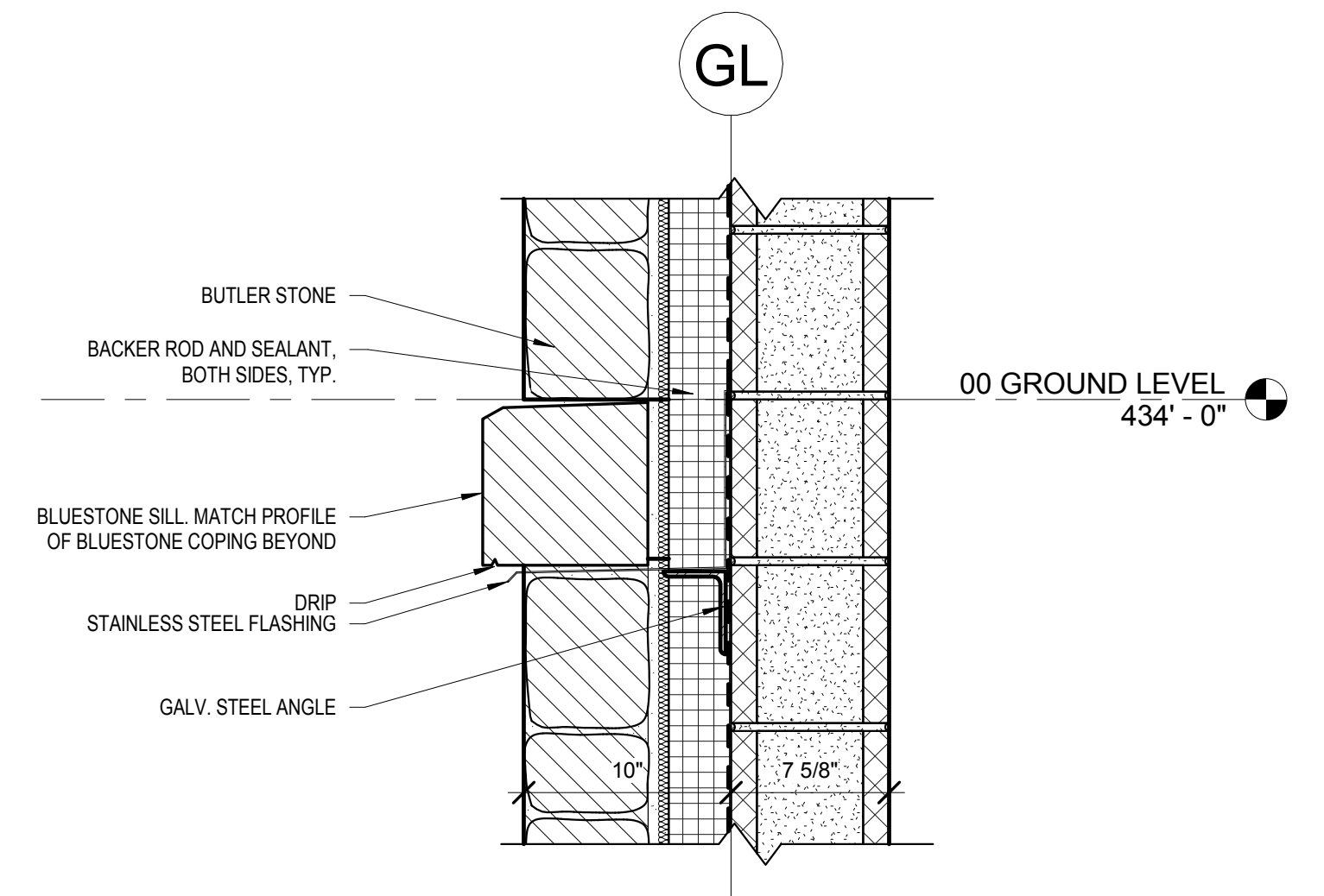
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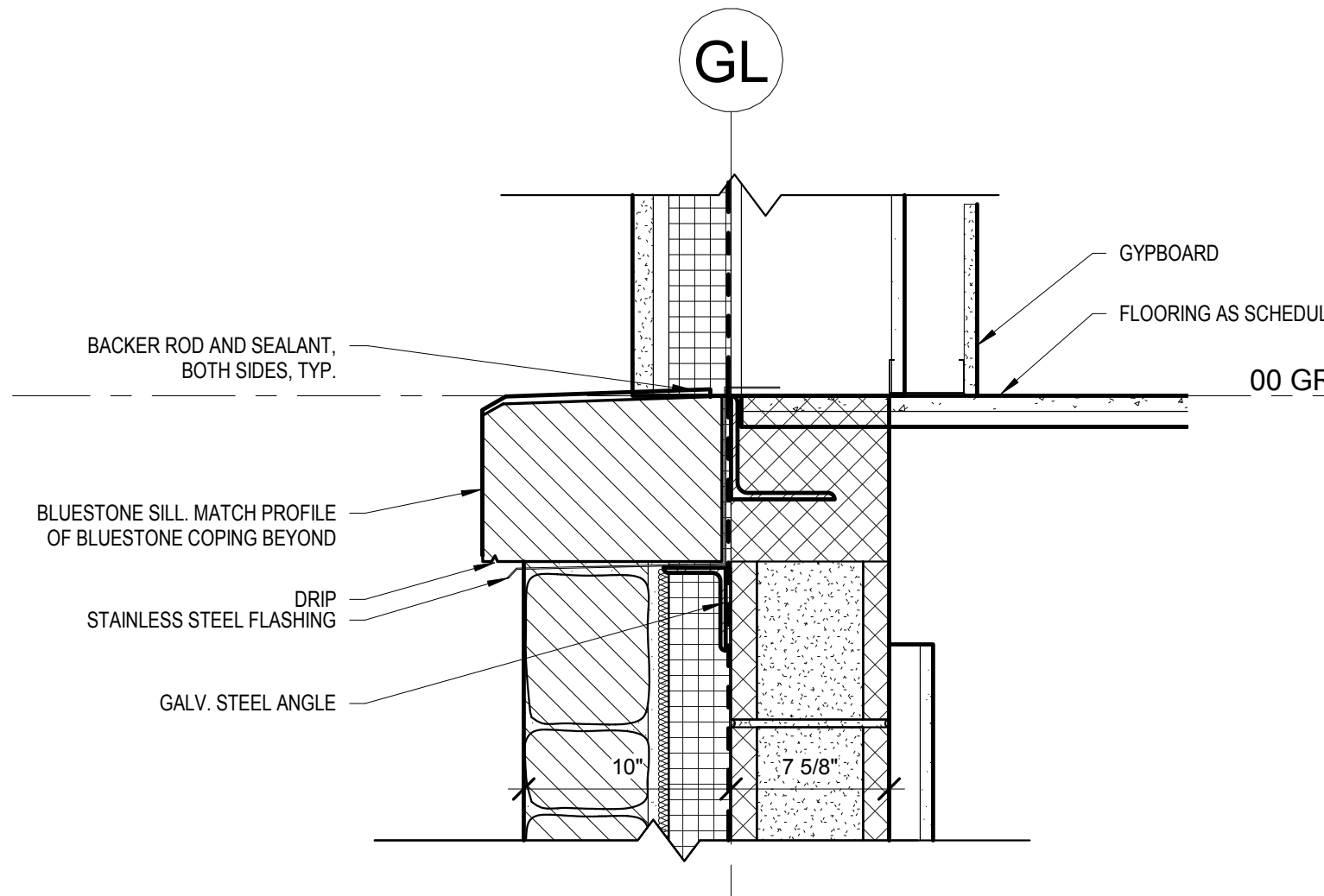
1  
⑧F TYPICAL GUTTER ROOF EAVE  
1 1/2" = 1'-0"



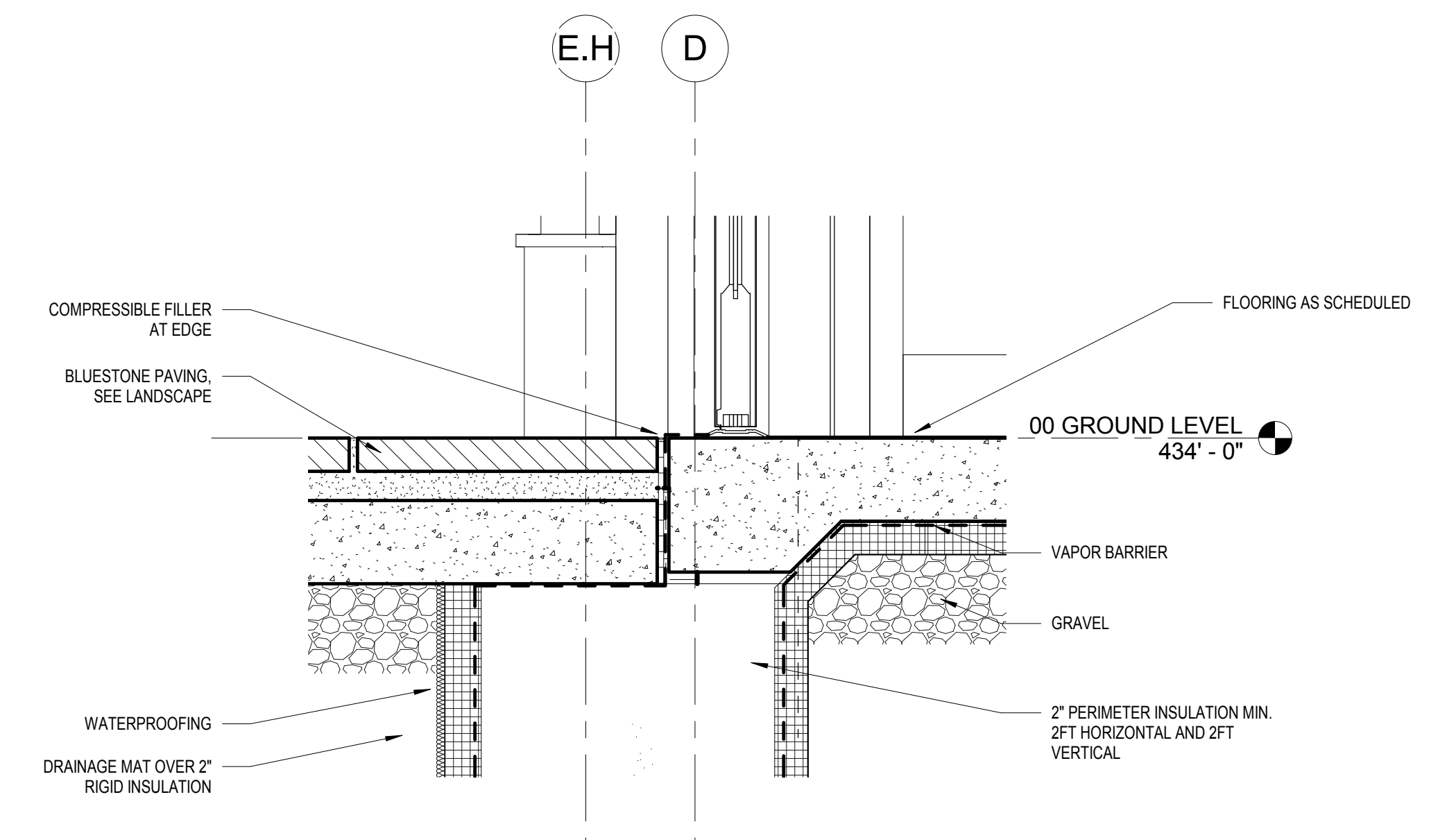
⑧C TYPICAL ROOF EAVE  
1 1/2" = 1'-0"



1  
① BUTLER STONE CAP AT ELEVATOR  
1 1/2" = 1'-0"



2  
② BUTLER STONE CAP AT TYPICAL WALL  
1 1/2" = 1'-0"



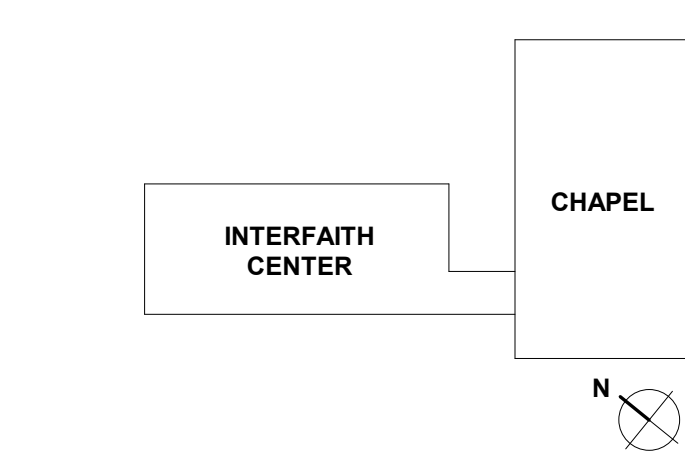
4  
④ WALL SECTION - BUILDING ENTRY - Callout 1  
1 1/2" = 1'-0"

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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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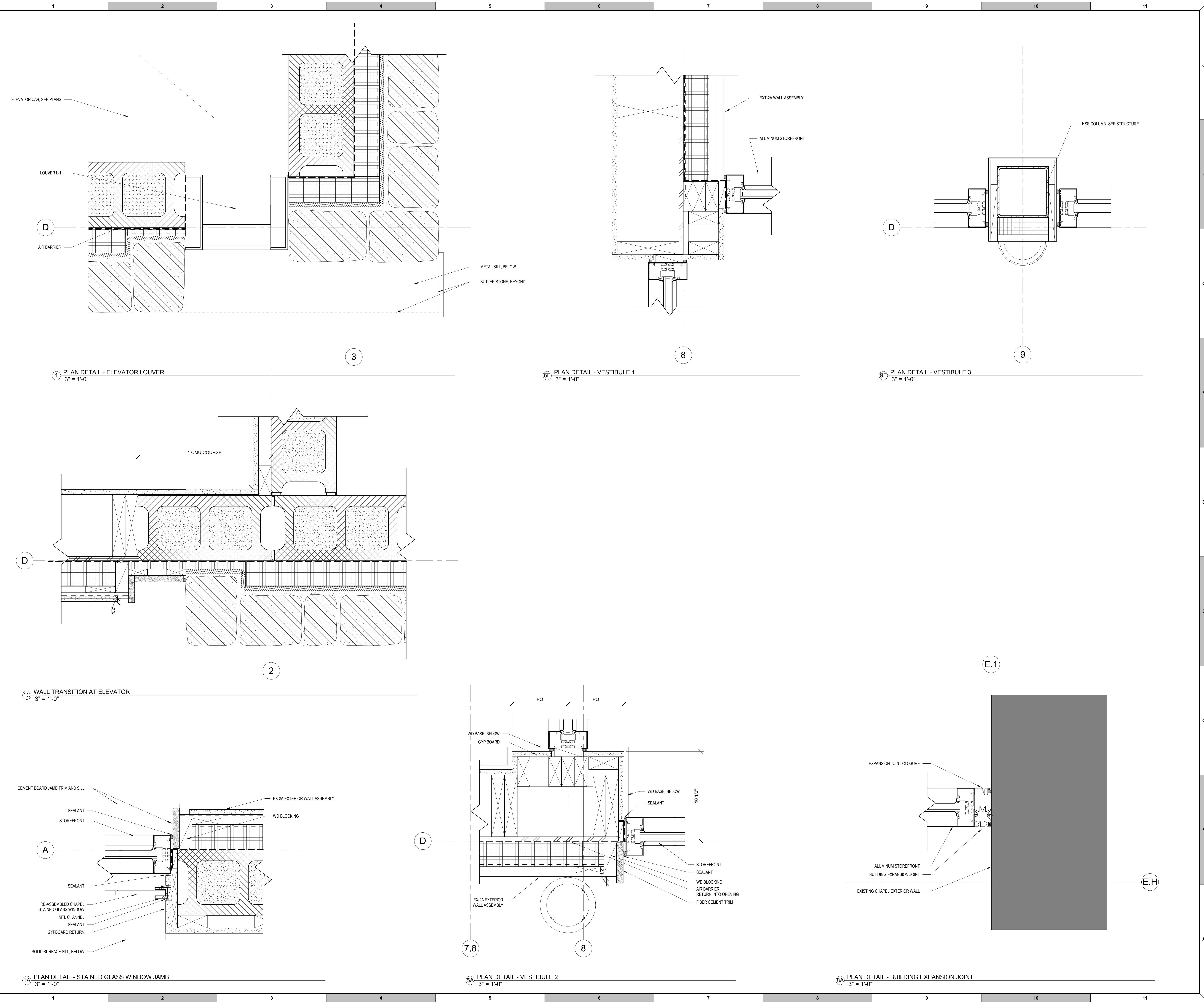
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JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**PLAN DETAILS - EXTERIOR**

DRAWING NUMBER  
**A5.31**



1 PLAN DETAIL - ELEVATOR LOUVER  
3" = 1'-0"

6F PLAN DETAIL - VESTIBULE 1  
3" = 1'-0"

9F PLAN DETAIL - VESTIBULE 3  
3" = 1'-0"

10C WALL TRANSITION AT ELEVATOR  
3" = 1'-0"

5A PLAN DETAIL - VESTIBULE 2  
3" = 1'-0"

8A PLAN DETAIL - BUILDING EXPANSION JOINT  
3" = 1'-0"

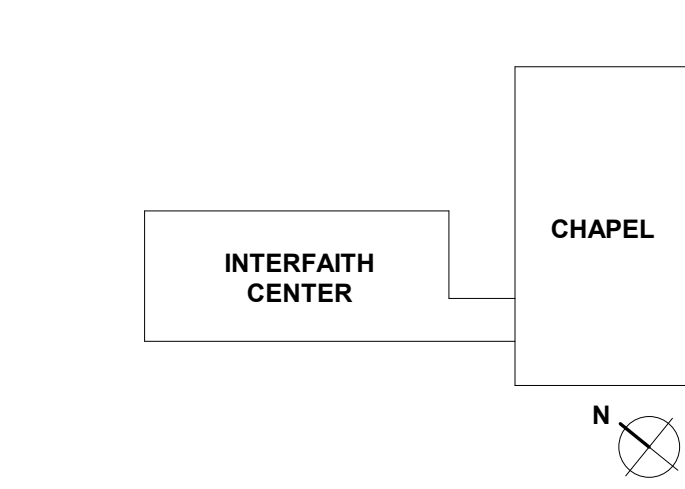
1A PLAN DETAIL - STAINED GLASS WINDOW JAMB  
3" = 1'-0"

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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

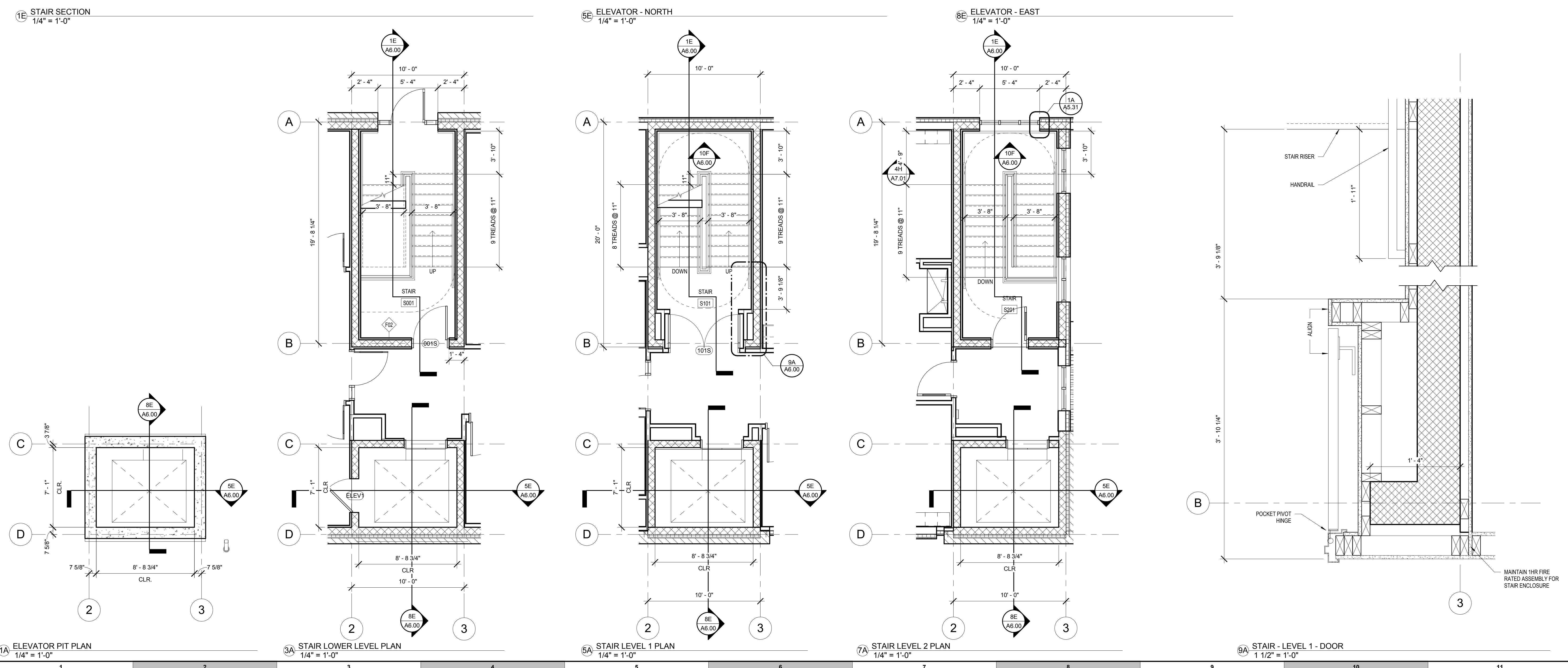
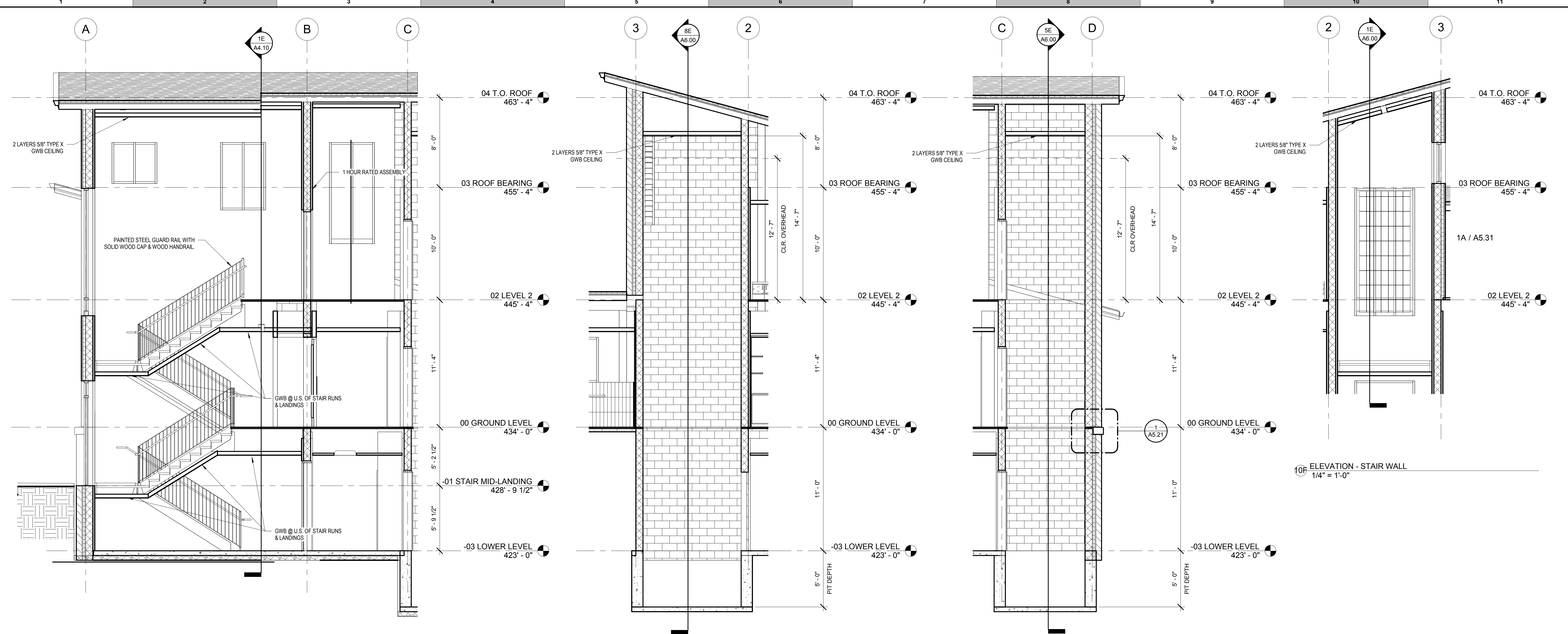
NOT FOR CONSTRUCTION

DRAWING INFORMATION	
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SCALE:	As indicated
JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
50% CONSTRUCTION DOCUMENTS

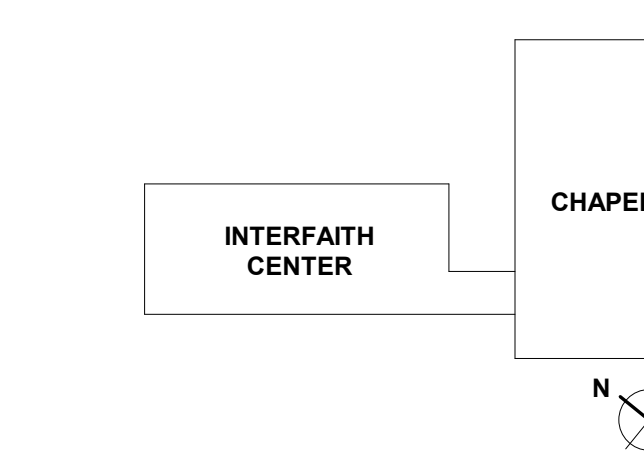
DRAWING NAME  
STAIR AND ELEVATOR PLANS & SECTIONS

DRAWING NUMBER  
A6.00



REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

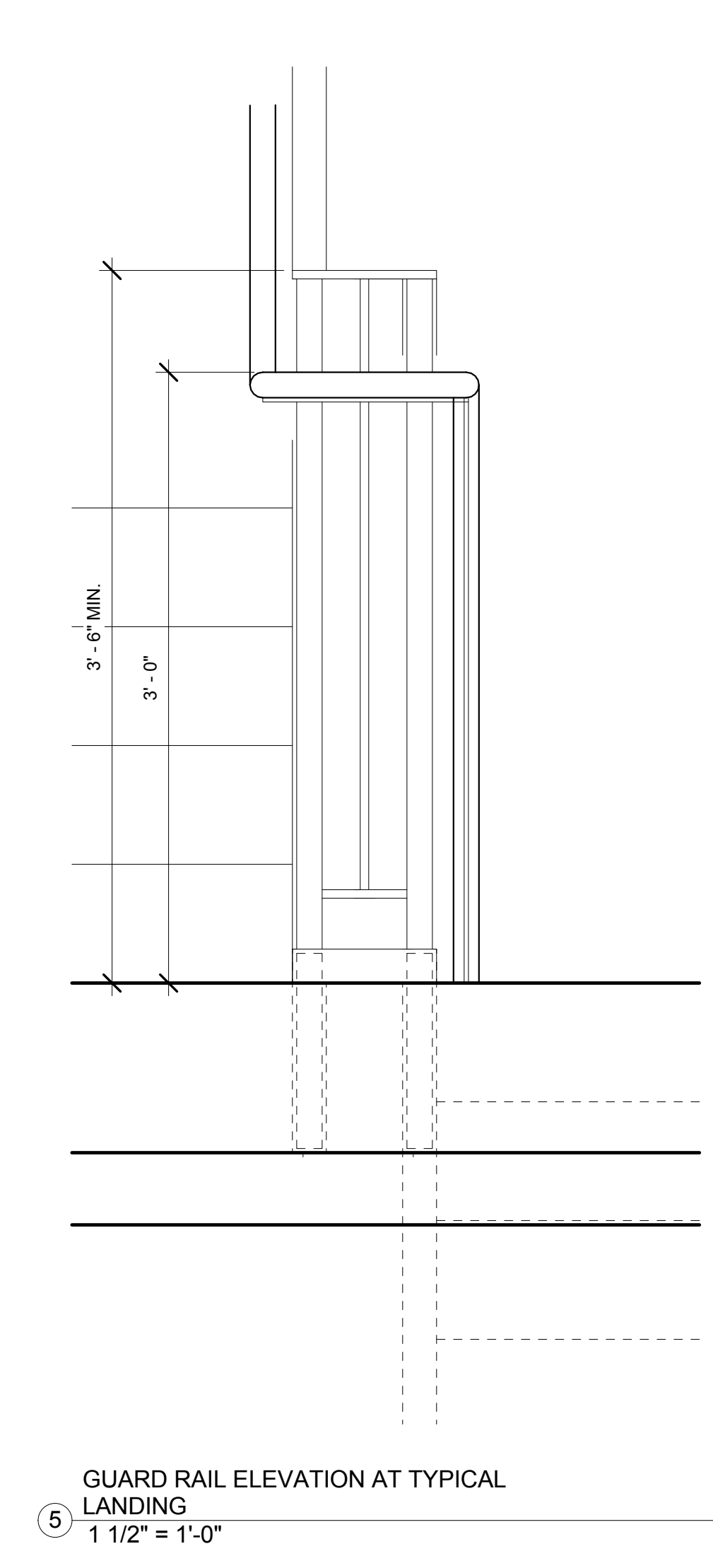
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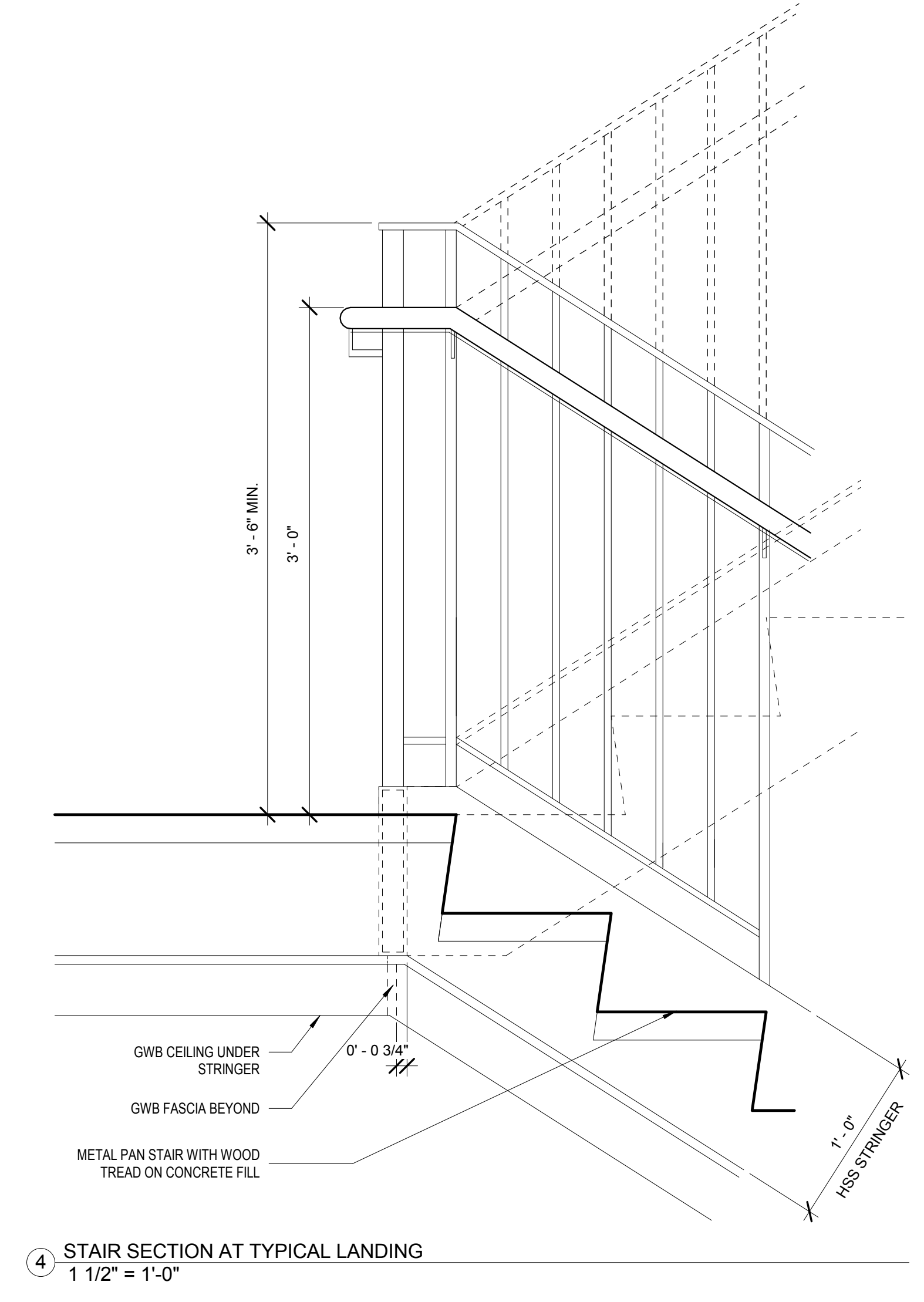
PROJECT DESIGN PHASE  
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DRAWING NAME  
STAIR & ELEVATOR DETAILS

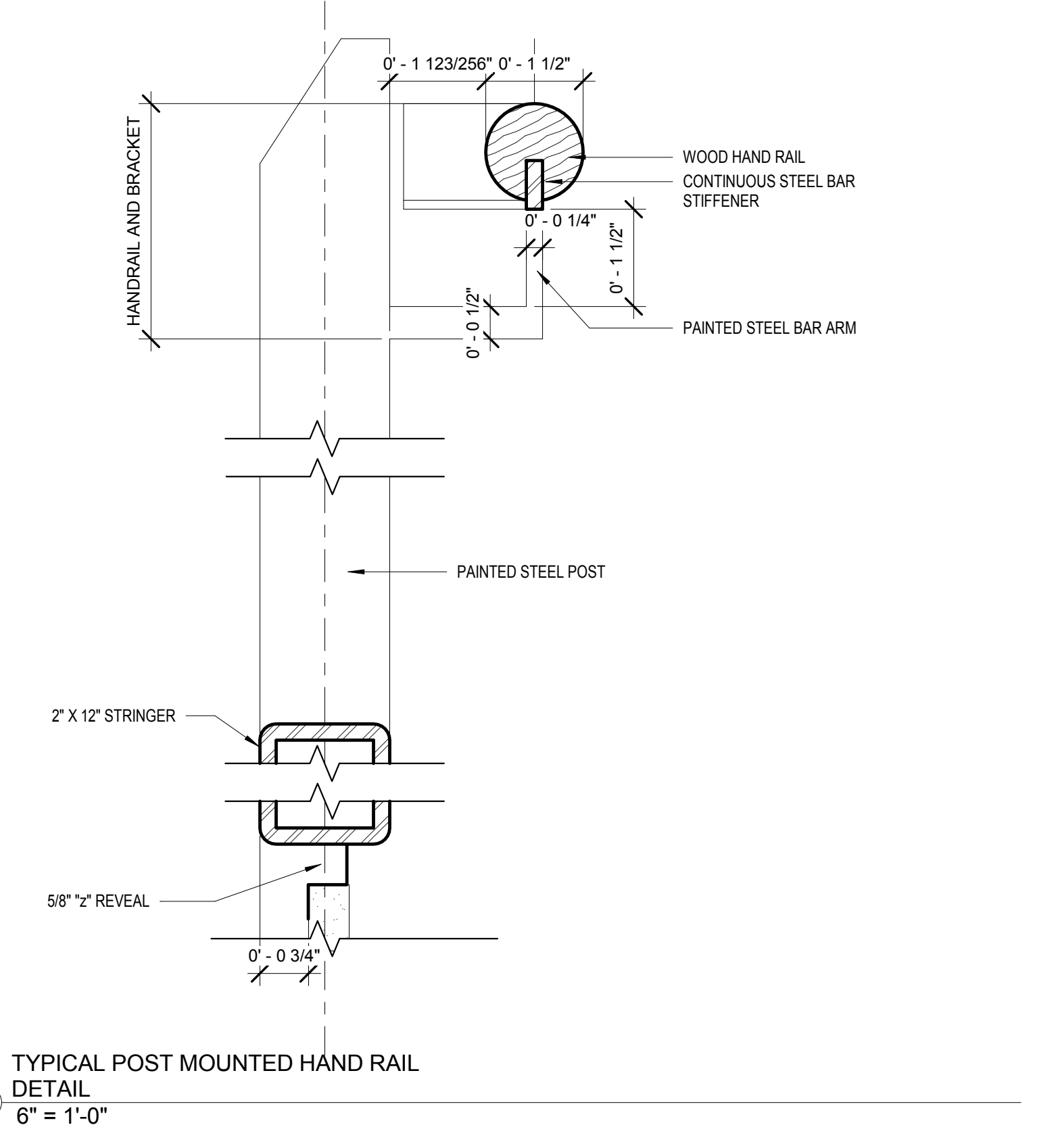
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**A6.20**



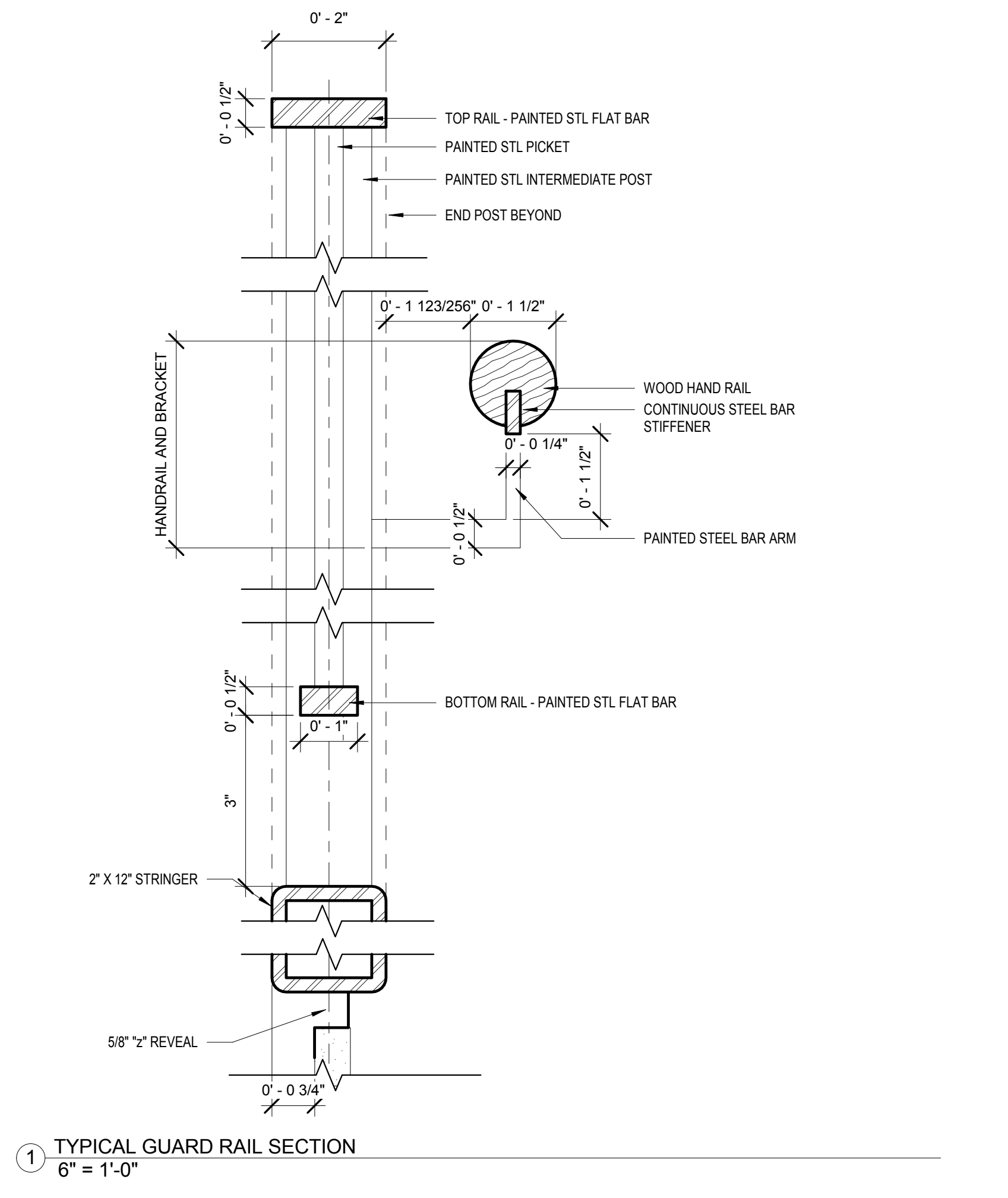
5 GUARD RAIL ELEVATION AT TYPICAL LANDING  
1 1/2" = 1'-0"



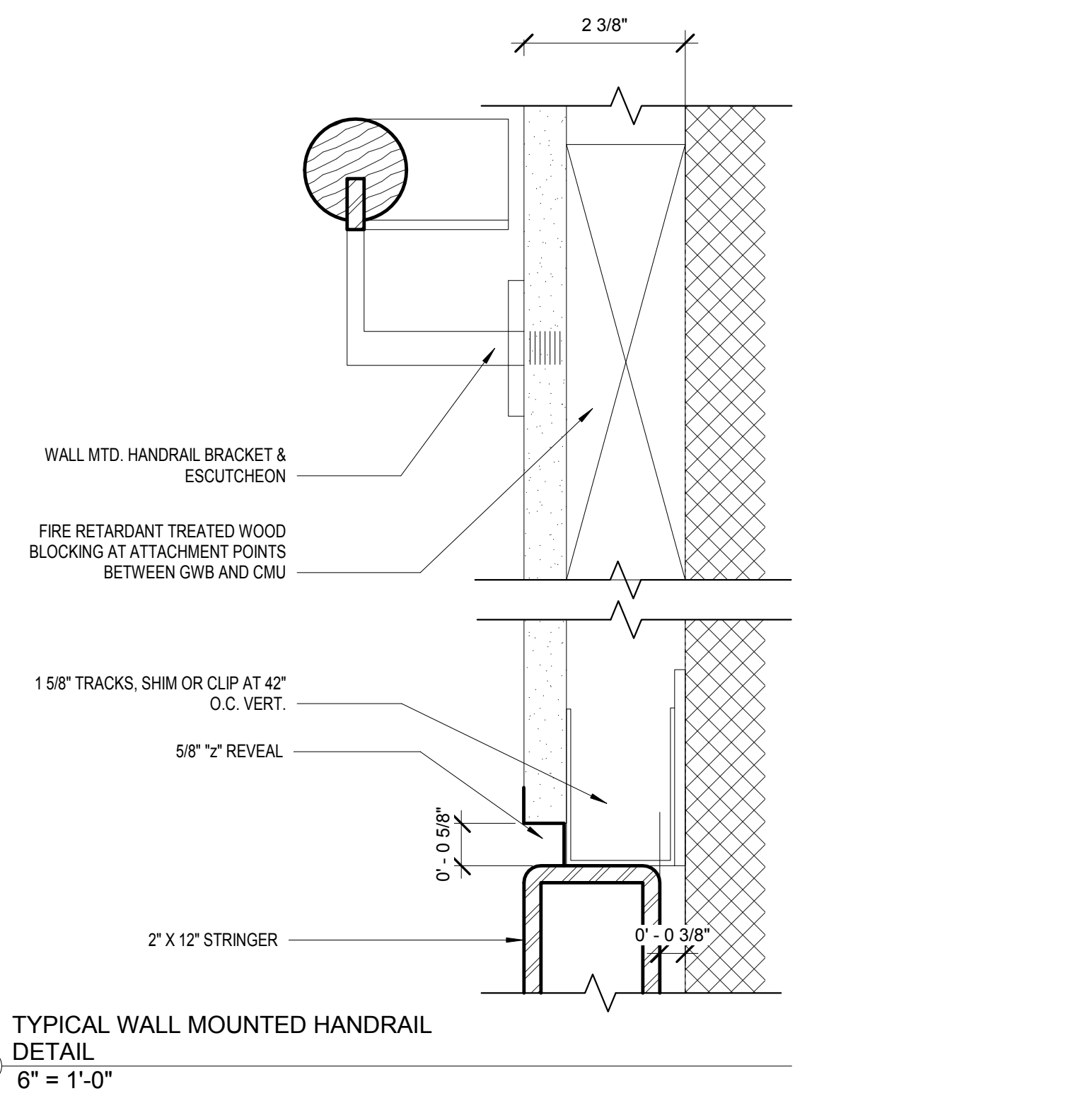
4 STAIR SECTION AT TYPICAL LANDING  
1 1/2" = 1'-0"



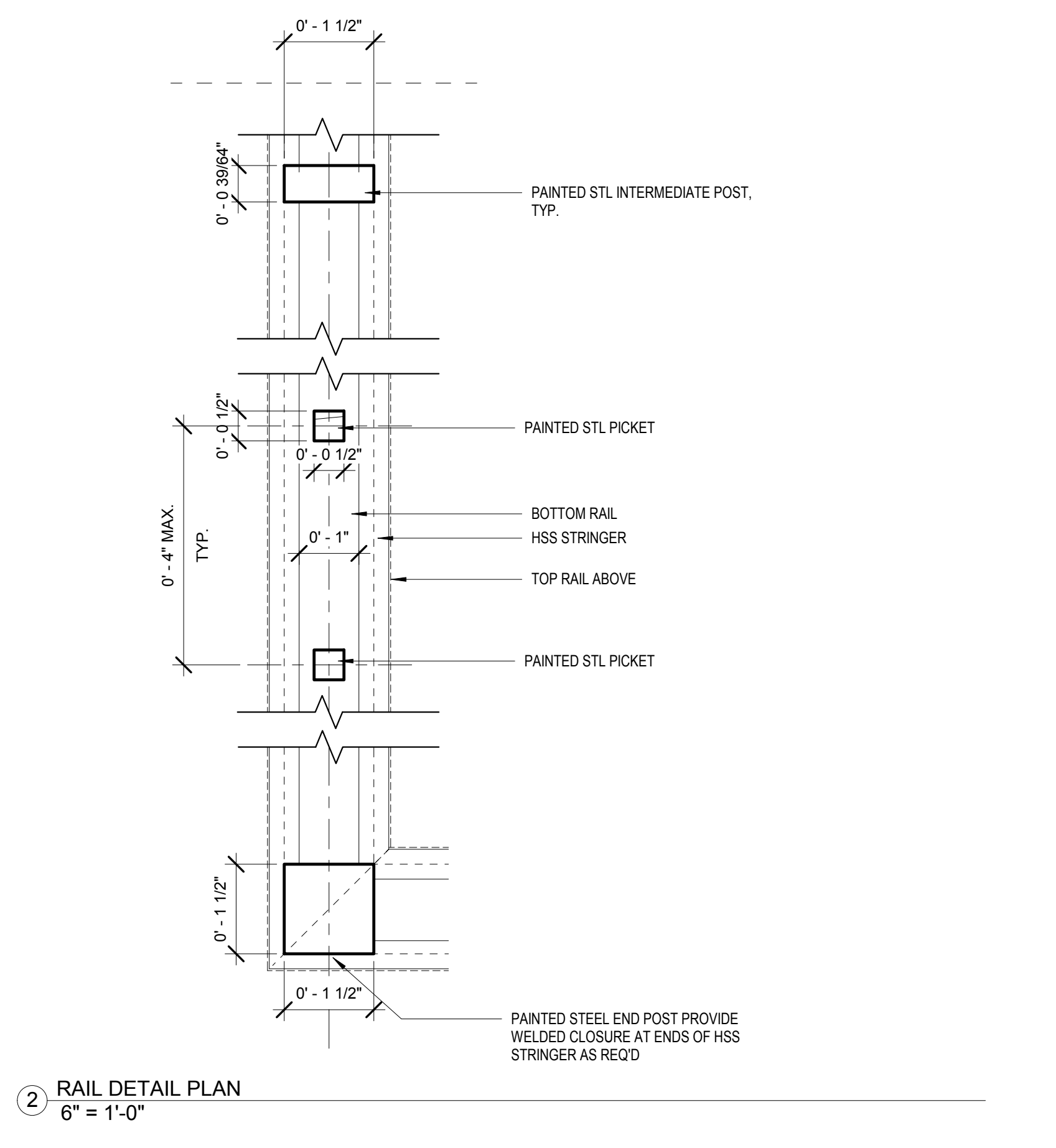
3 TYPICAL POST MOUNTED HAND RAIL DETAIL  
6" = 1'-0"



1 TYPICAL GUARD RAIL SECTION  
6" = 1'-0"



6 TYPICAL WALL MOUNTED HAND RAIL DETAIL  
6" = 1'-0"

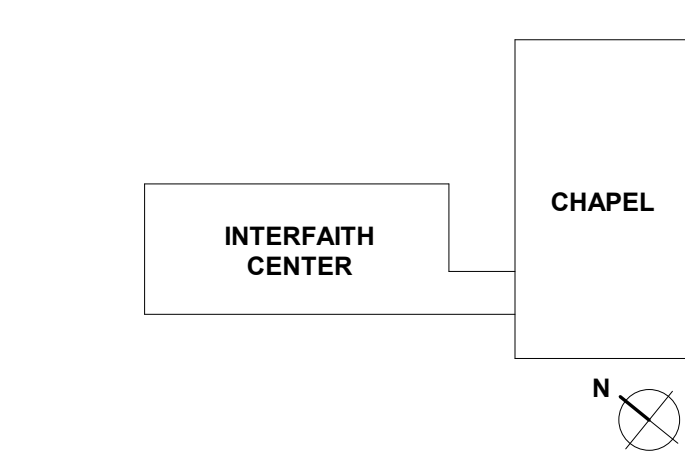


2 RAIL DETAIL PLAN  
6" = 1'-0"



REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

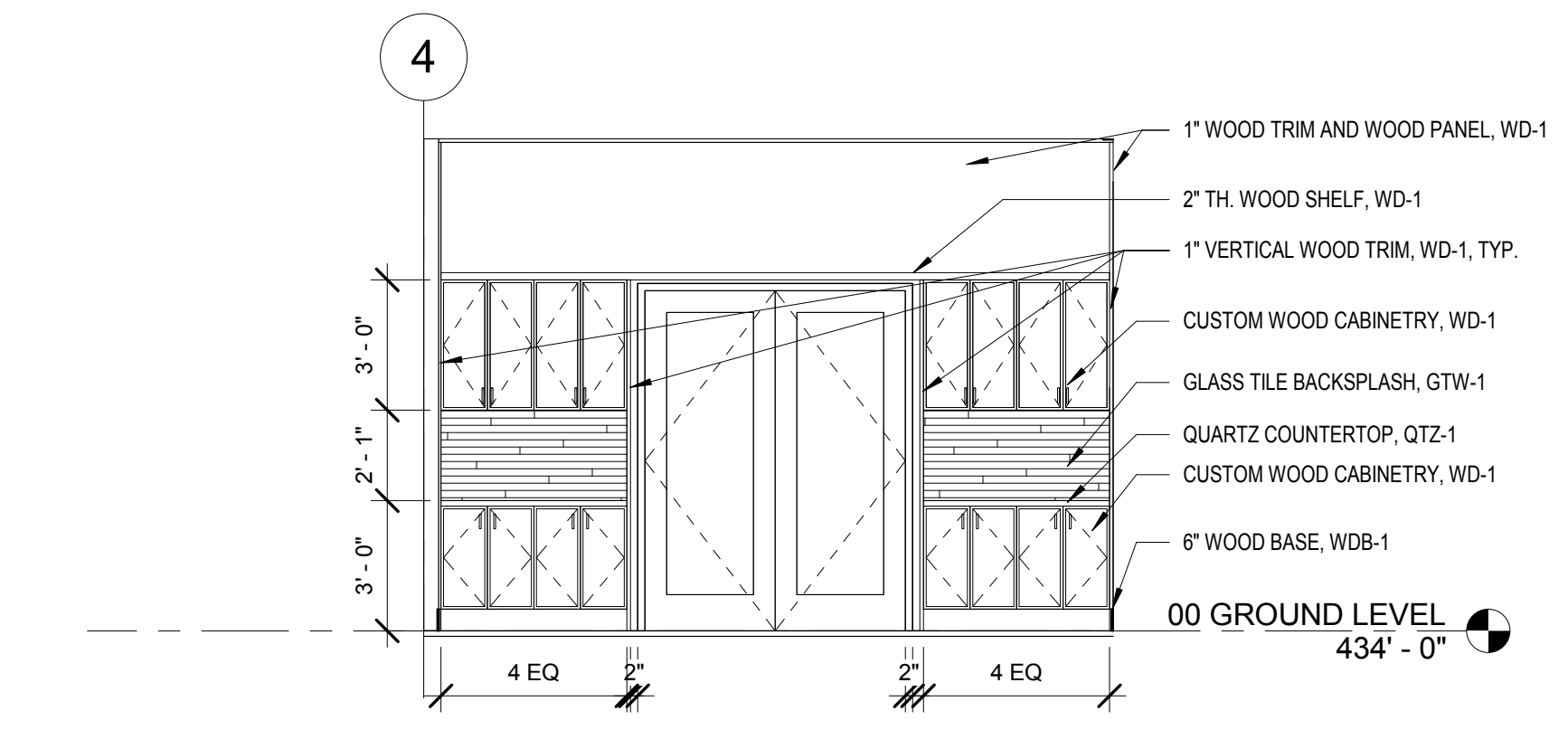
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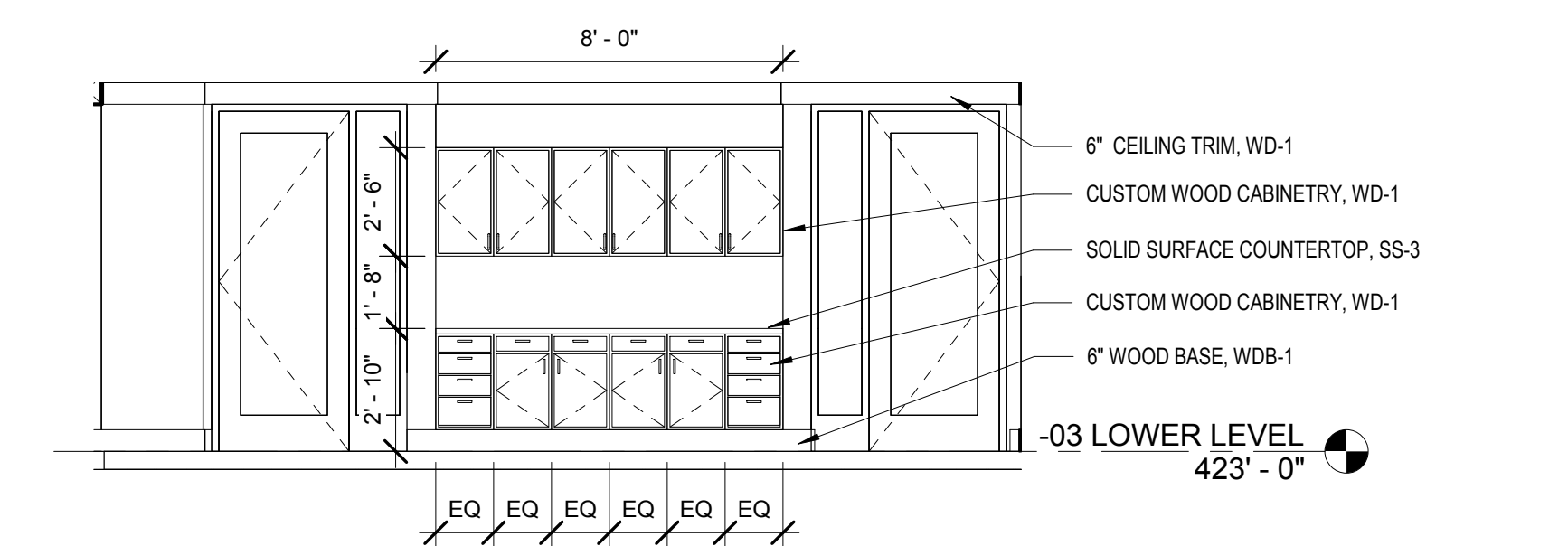
PROJECT DESIGN PHASE  
50% CONSTRUCTION DOCUMENTS

DRAWING NAME  
INTERIOR ELEVATIONS

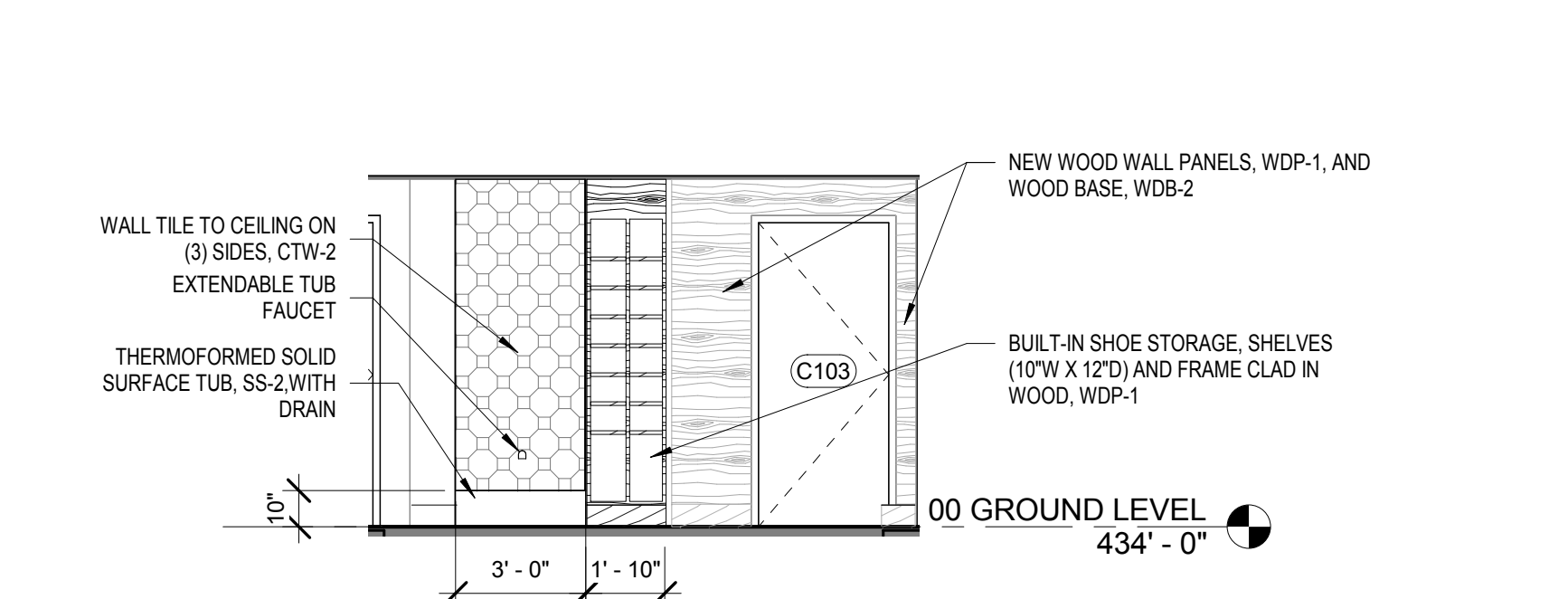
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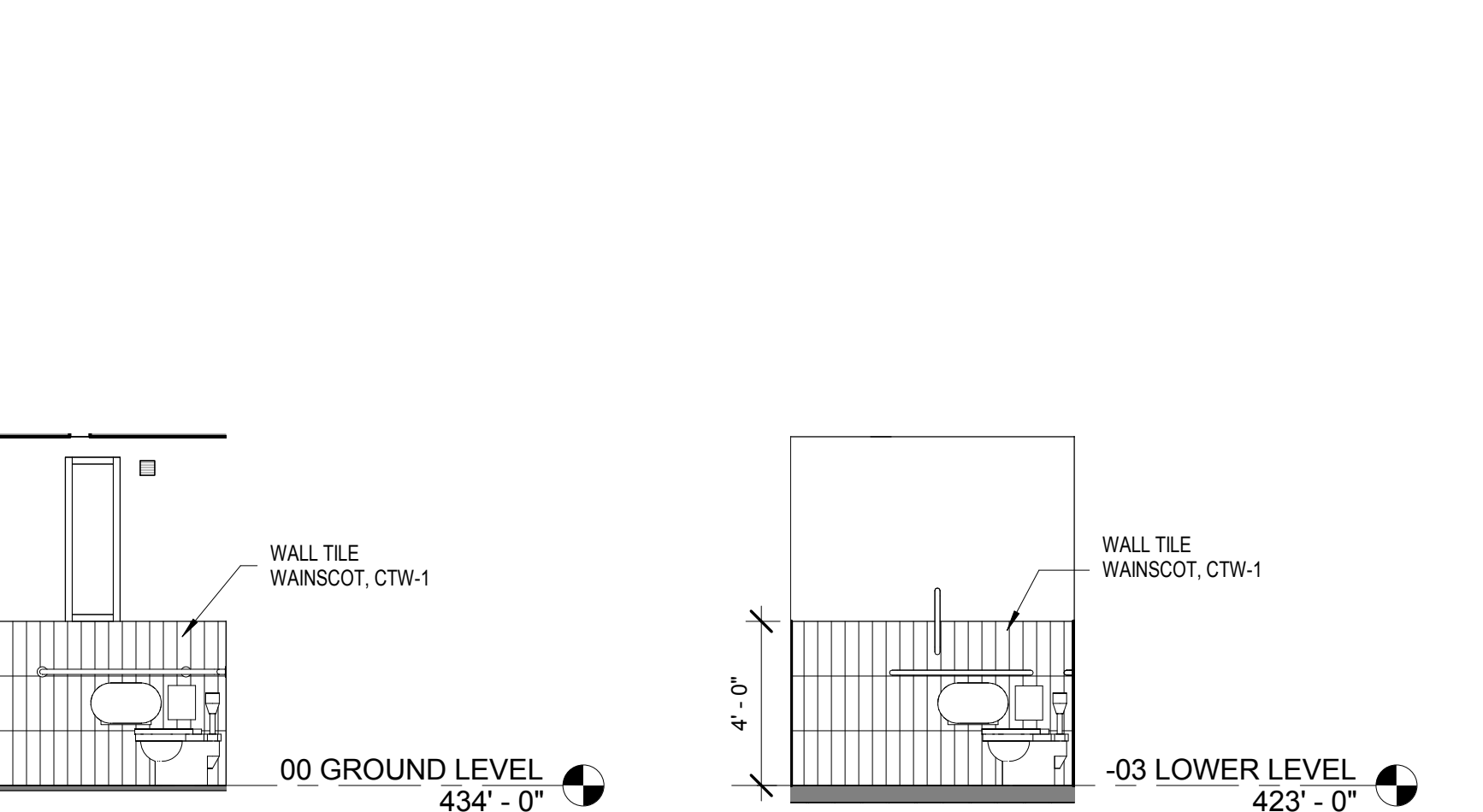
9H ELEVATION - DINING 104 SOUTH  
1/4" = 1'-0"



9F ELEVATION - WORK ROOM 001 NORTH  
1/4" = 1'-0"

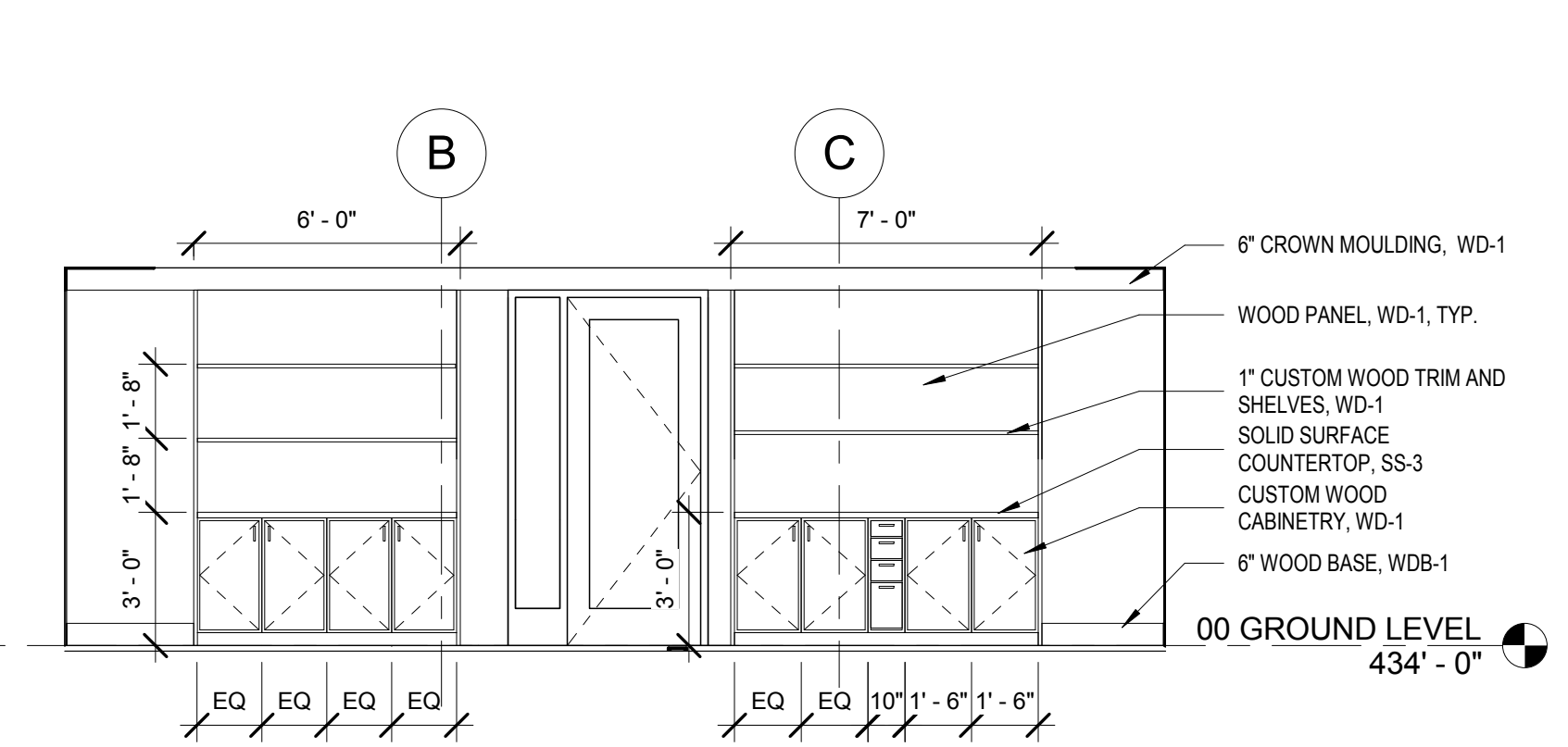


9E ELEVATION - ABLUTION C102 SOUTH  
1/4" = 1'-0"



8C ELEVATION - TOILET ROOM 106 SOUTH  
1/4" = 1'-0"

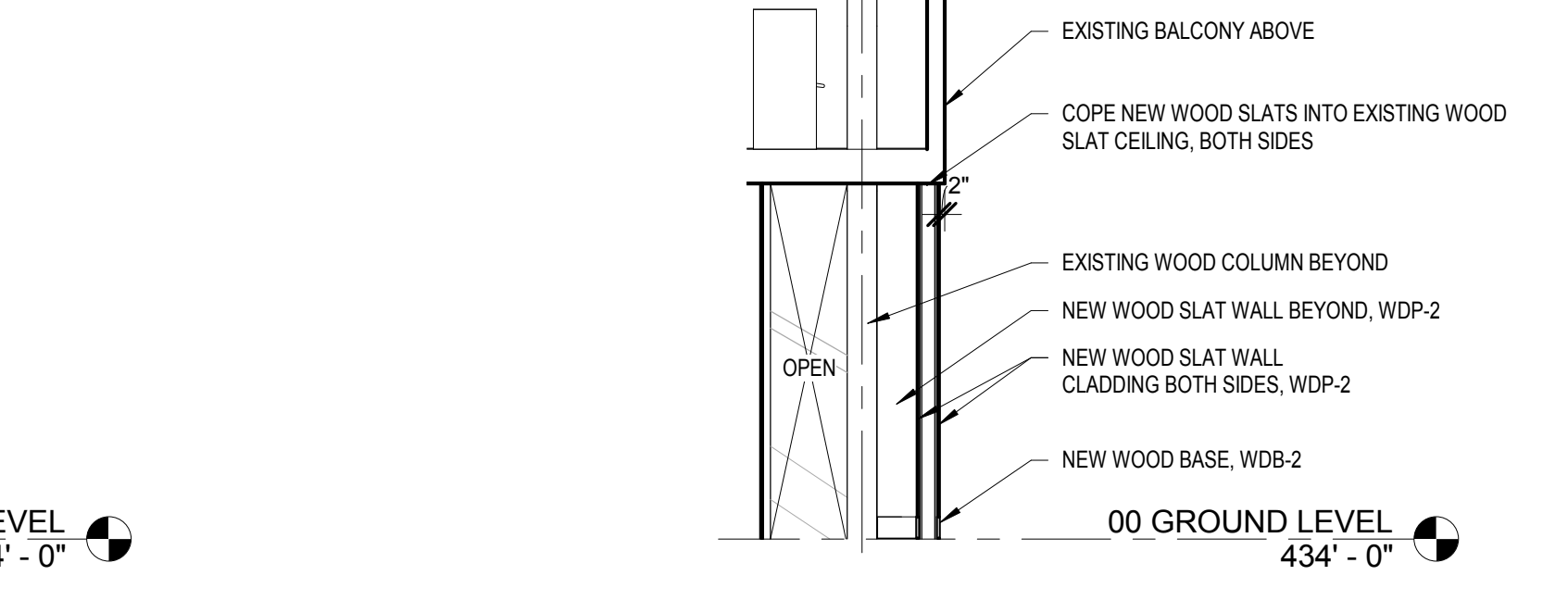
10C ELEVATION - TOILET ROOM 006 SOUTH  
1/4" = 1'-0"



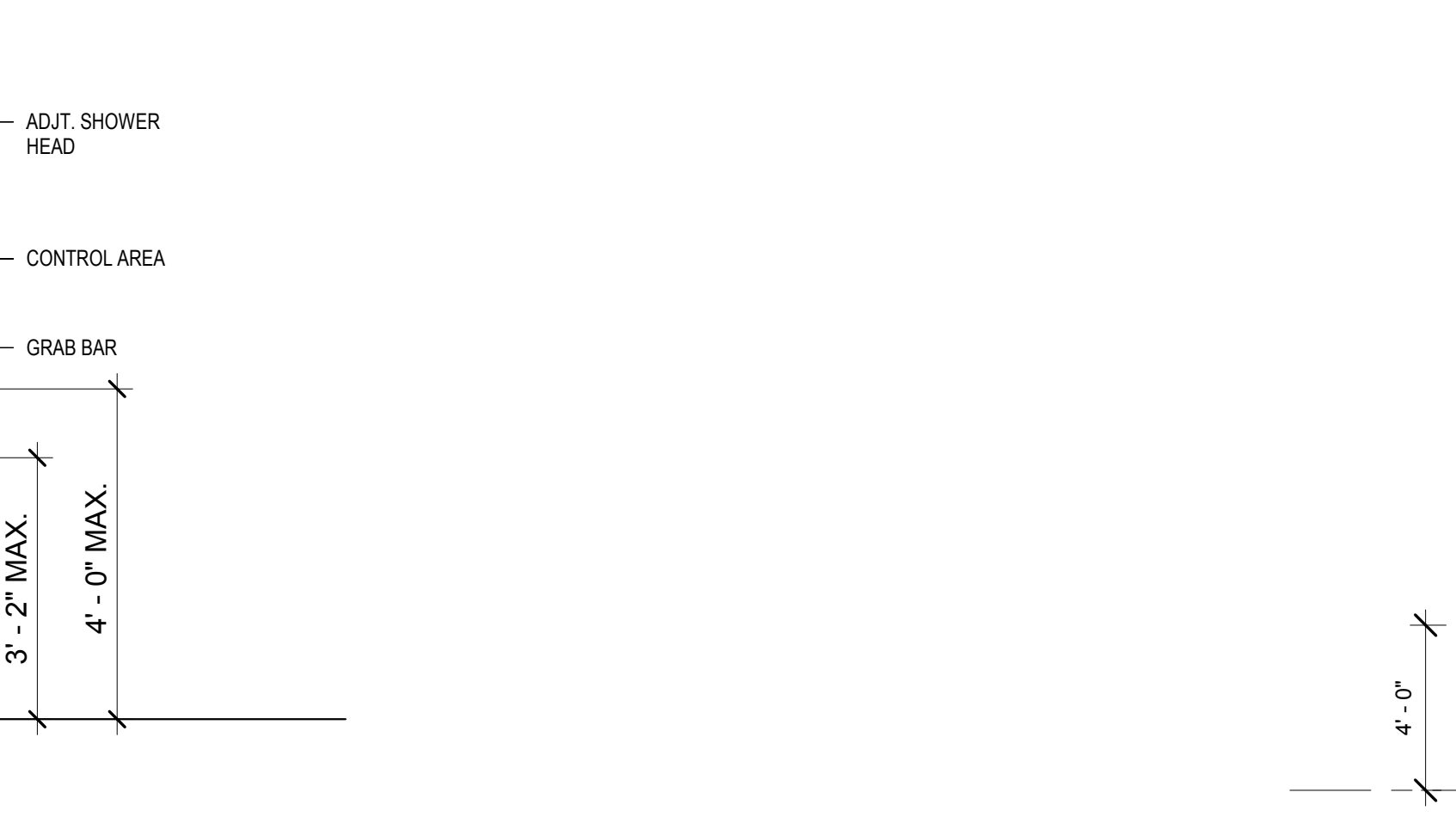
6H ELEVATION - HILLEL 107 EAST  
1/4" = 1'-0"



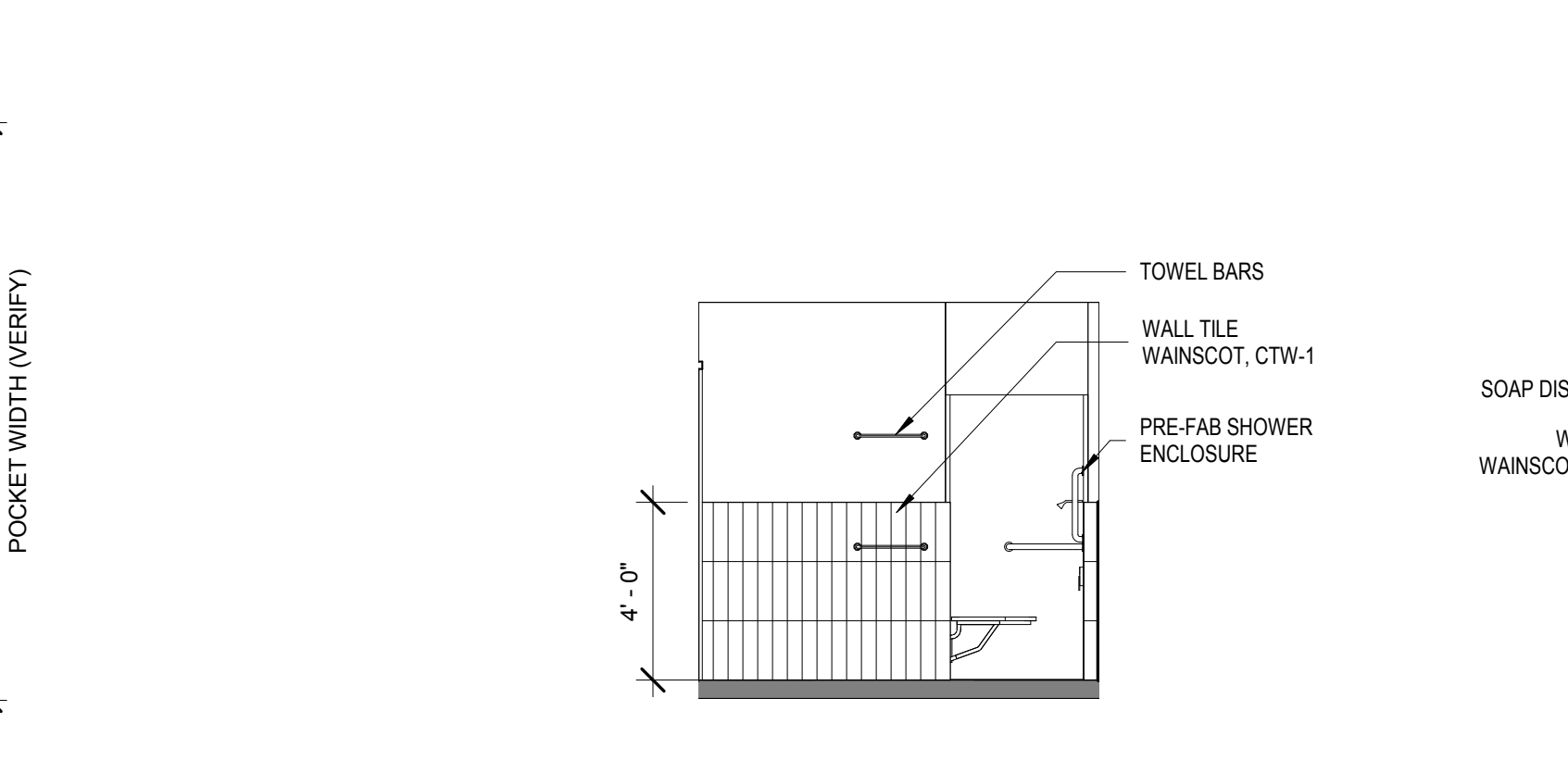
4G ELEVATION - TOILET ROOM C103 EAST  
1/4" = 1'-0"



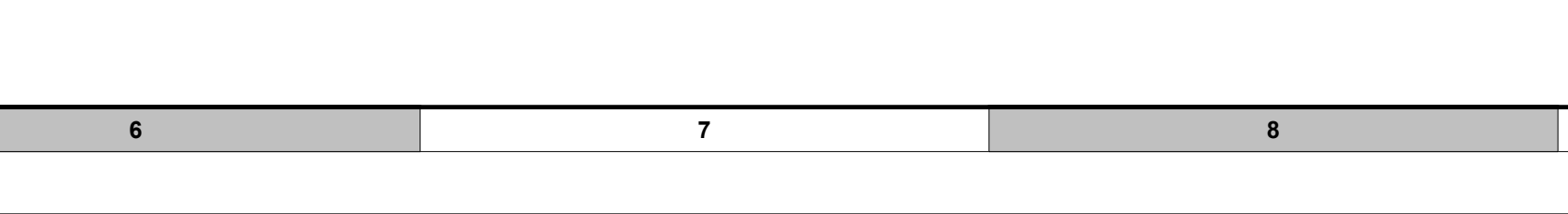
7E SECTION - NARTHEX WALL WEST  
1/4" = 1'-0"



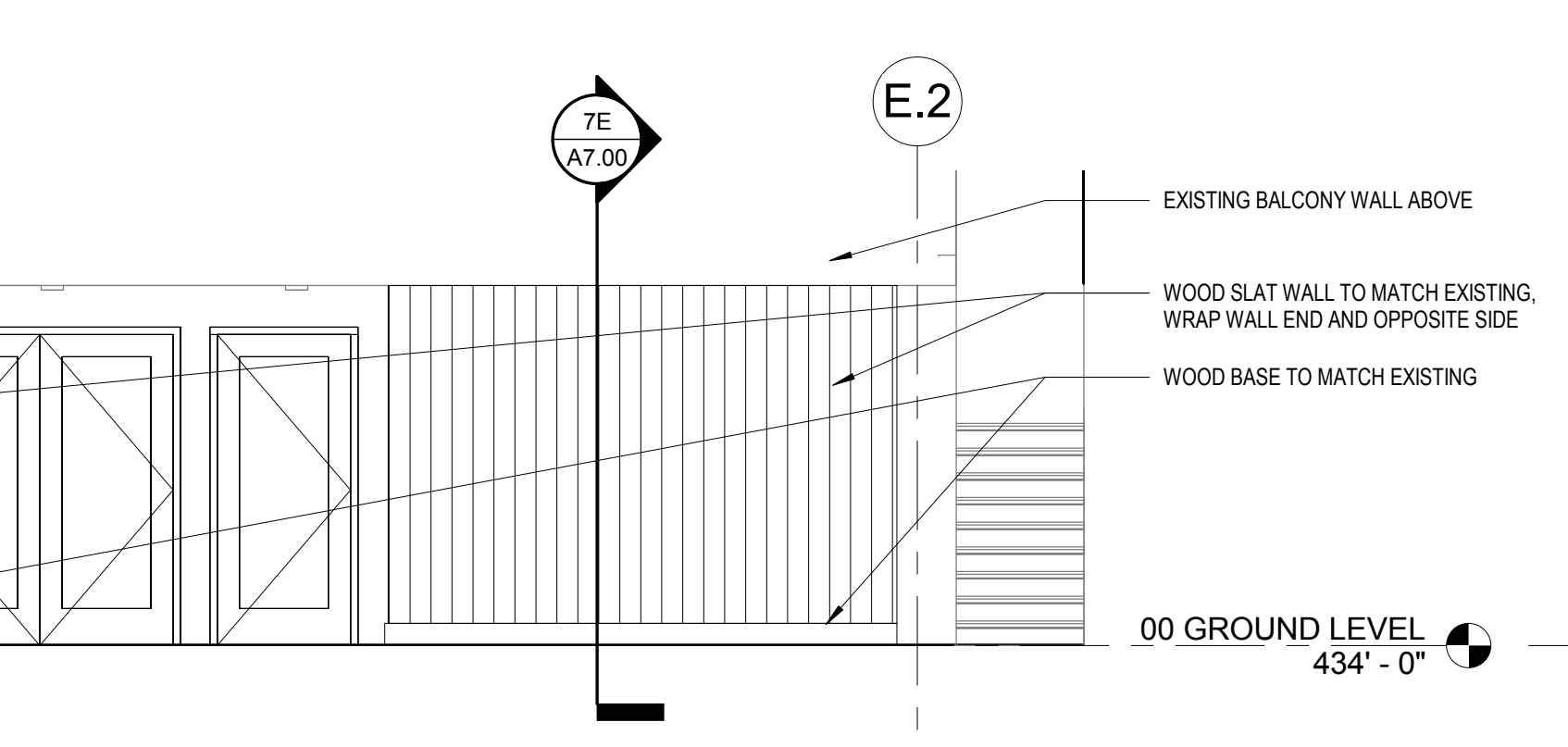
4E ELEVATION - TOILET ROOM C103 SOUTH  
1/4" = 1'-0"



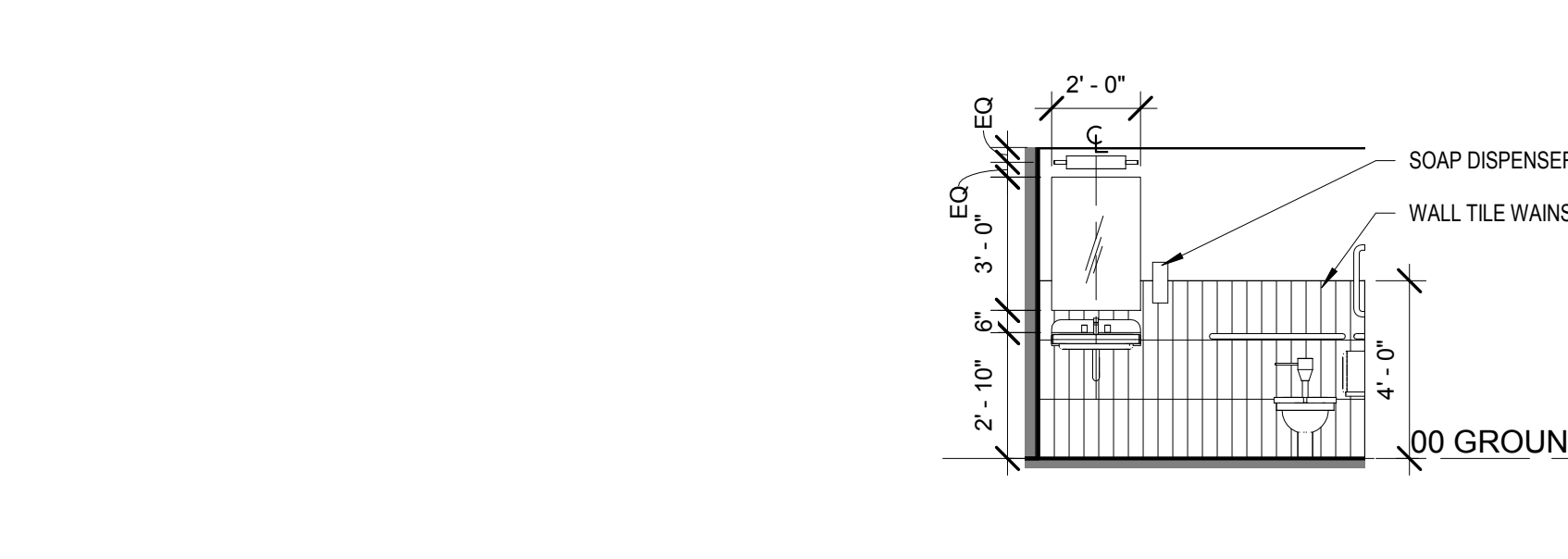
7A ELEVATION - TOILET ROOM 006 EAST  
1/4" = 1'-0"



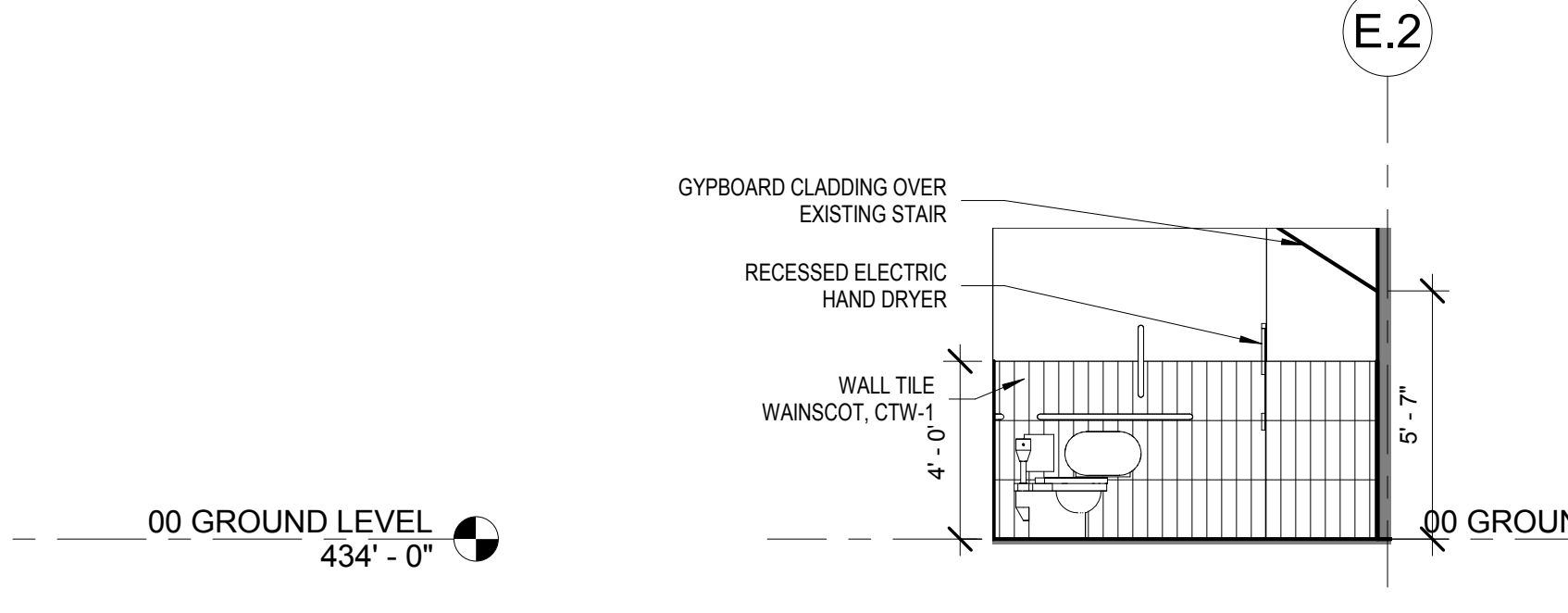
9A ELEVATION - TOILET ROOM WEST  
1/4" = 1'-0"



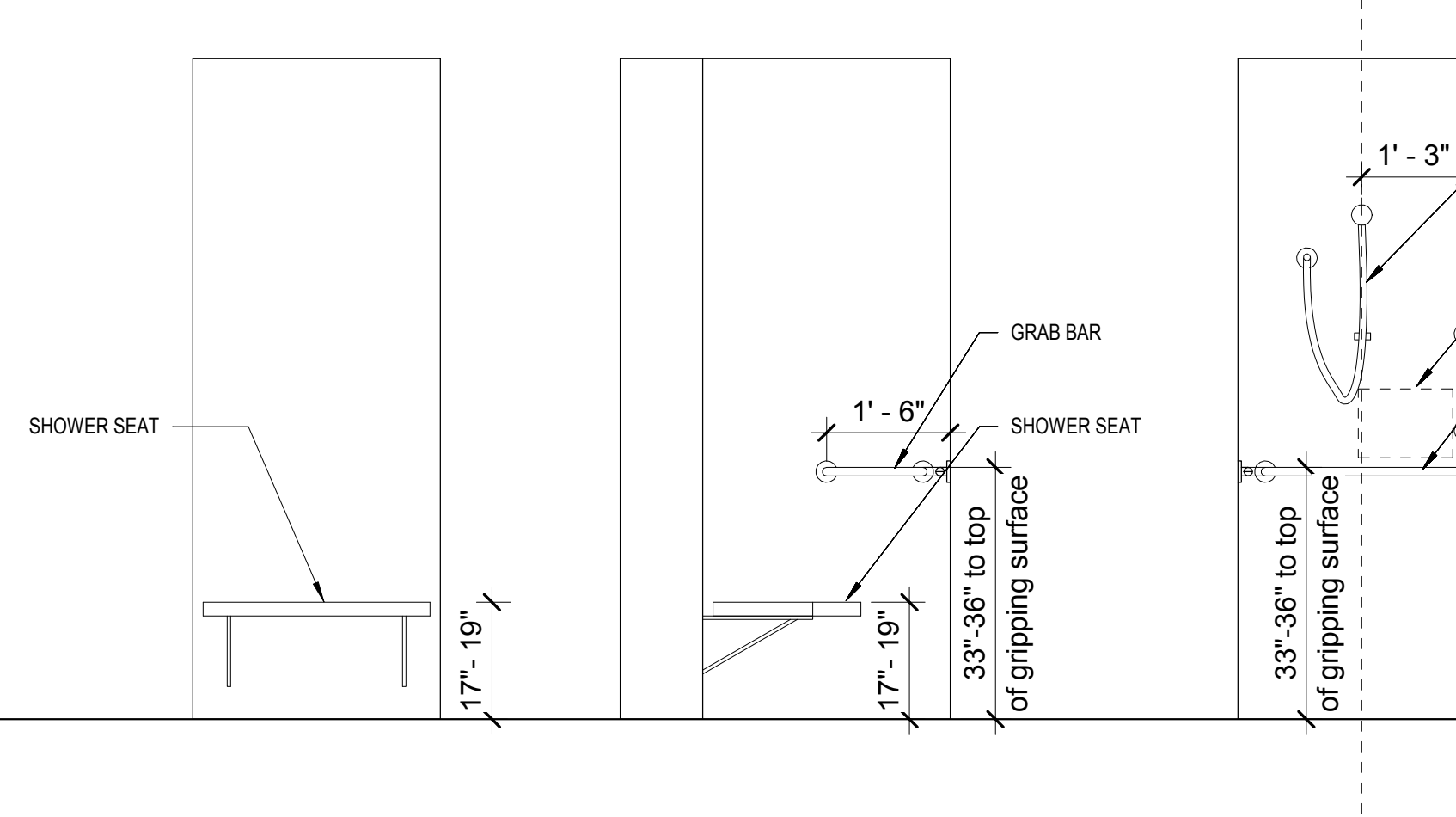
1H ELEVATION - NARTHEX PARTITION SOUTH  
1/4" = 1'-0"



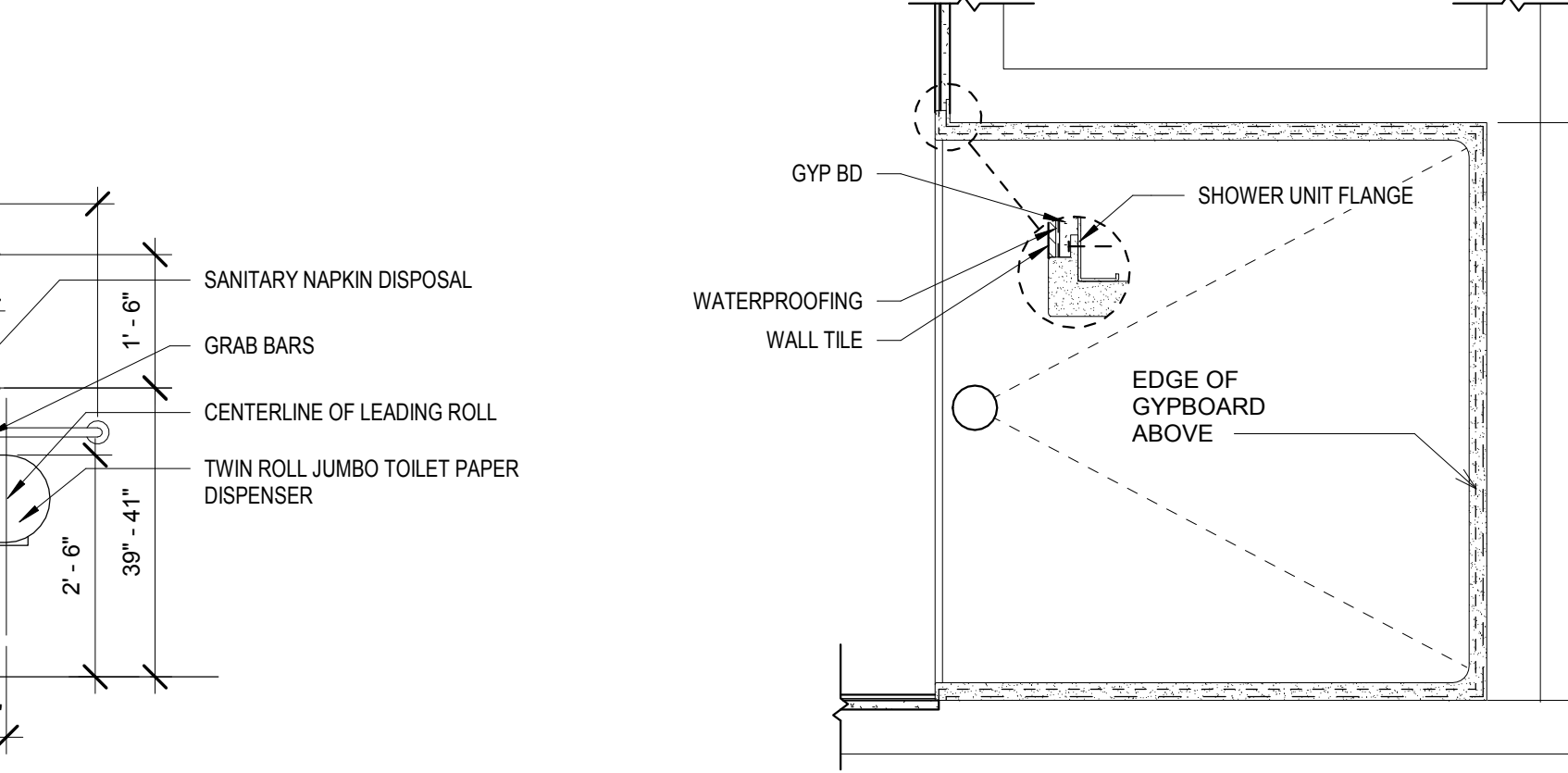
4G ELEVATION - TOILET ROOM C103 WEST  
1/4" = 1'-0"



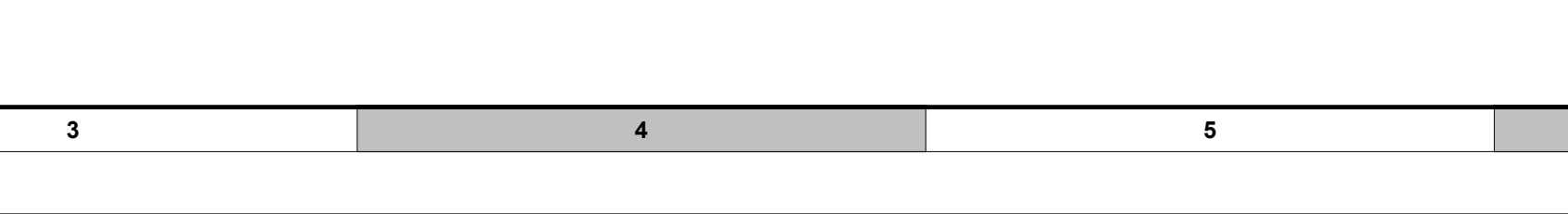
4E ELEVATION - TOILET ROOM C103 NORTH  
1/4" = 1'-0"



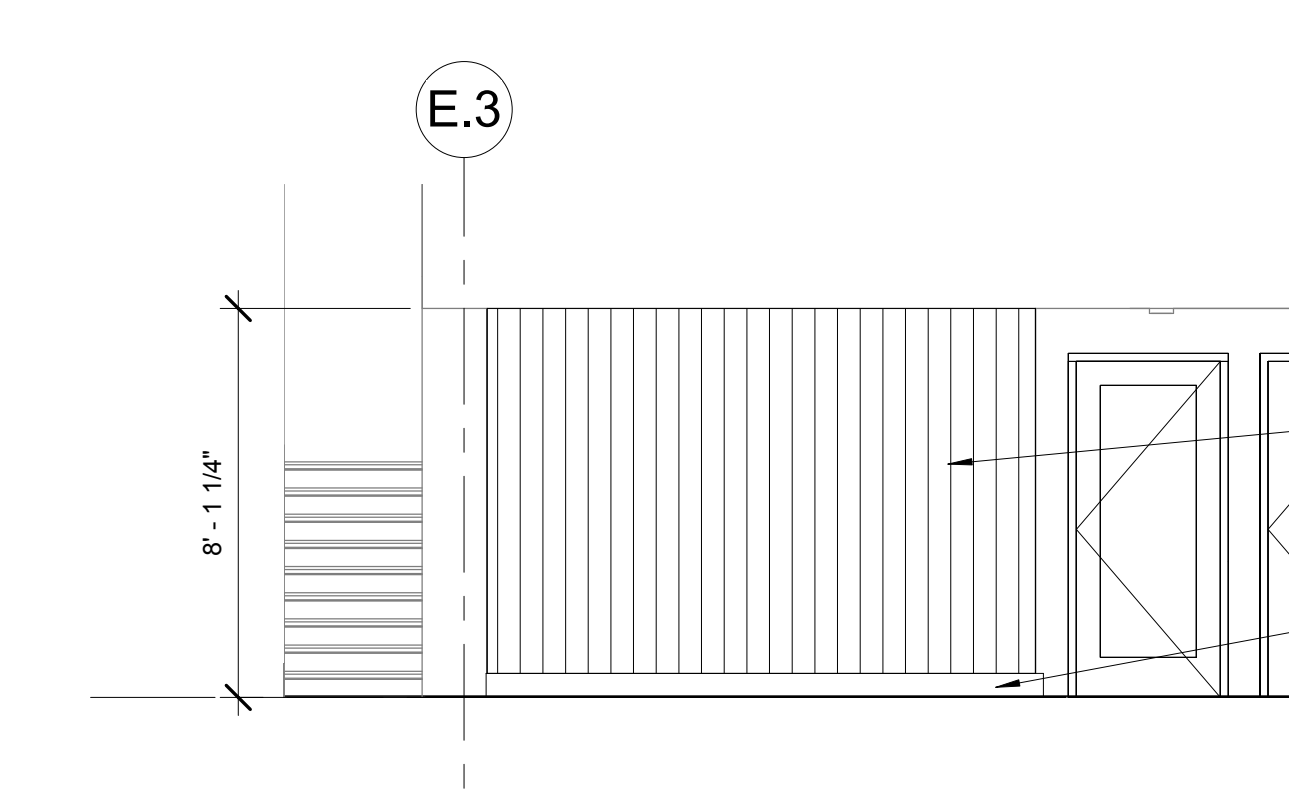
1E ELEVATION - IN-FILL PARTITION  
1/4" = 1'-0"



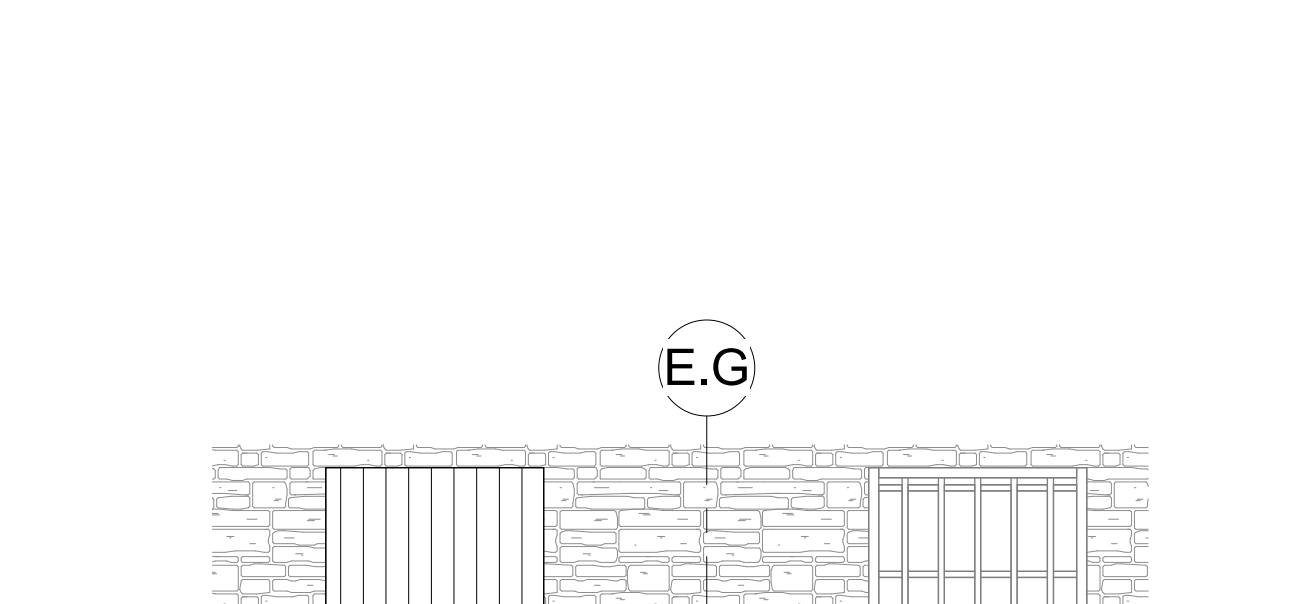
4A ENLARGED PLAN - TRANSFER SHOWER  
1" = 1'-0"



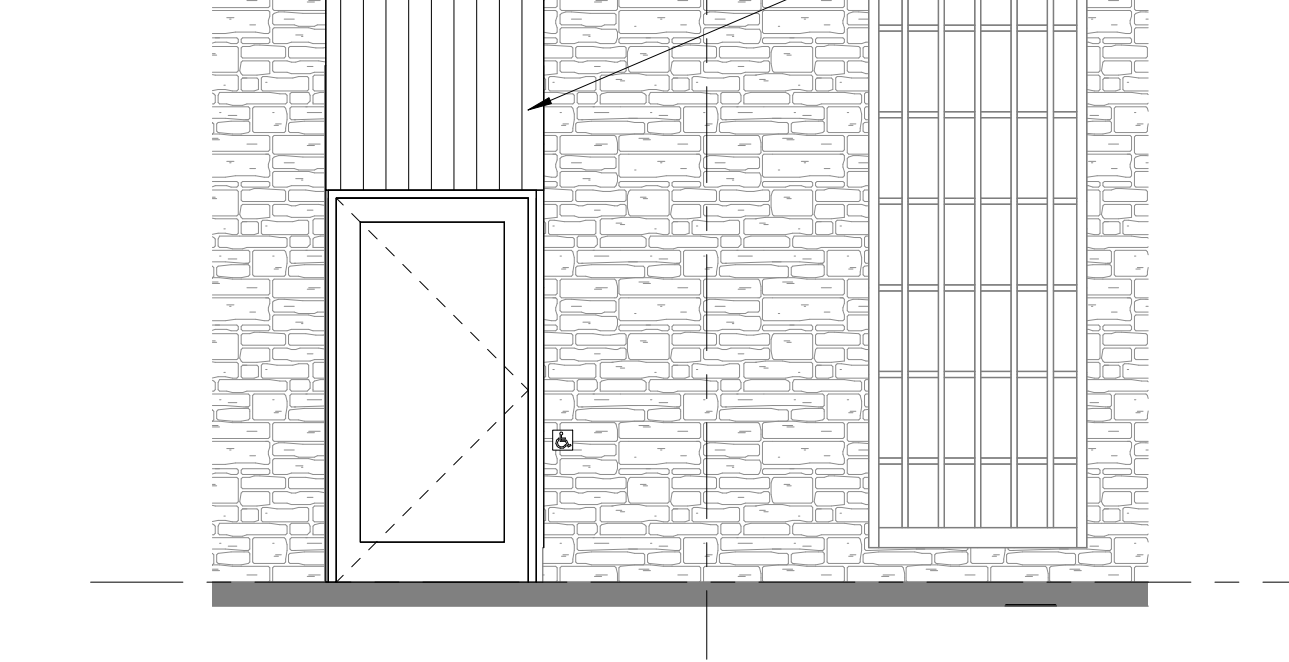
10A ELEVATION - TOILET ROOM NORTH  
1/4" = 1'-0"



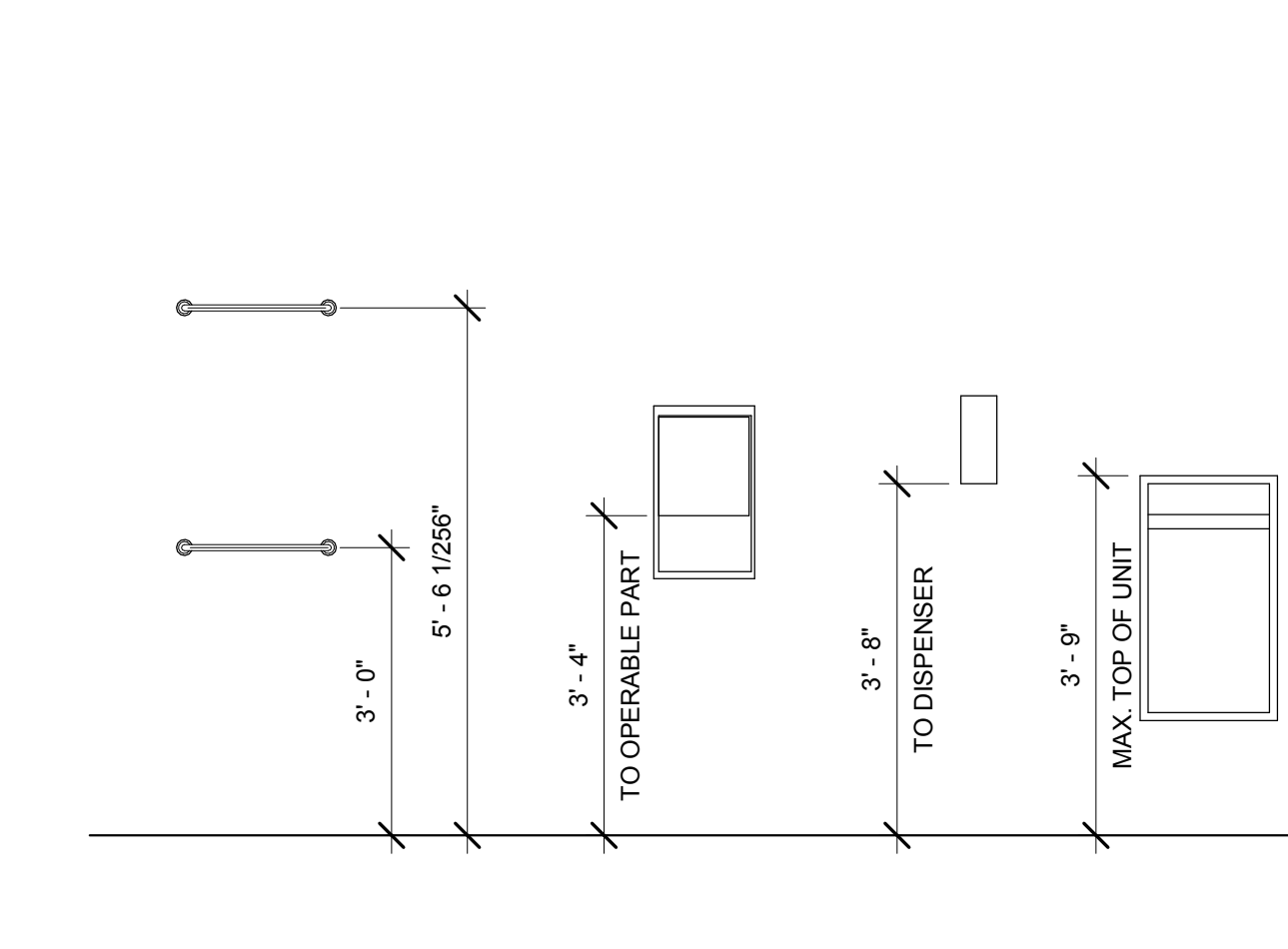
1H ELEVATION - NARTHEX PARTITION SOUTH  
1/4" = 1'-0"



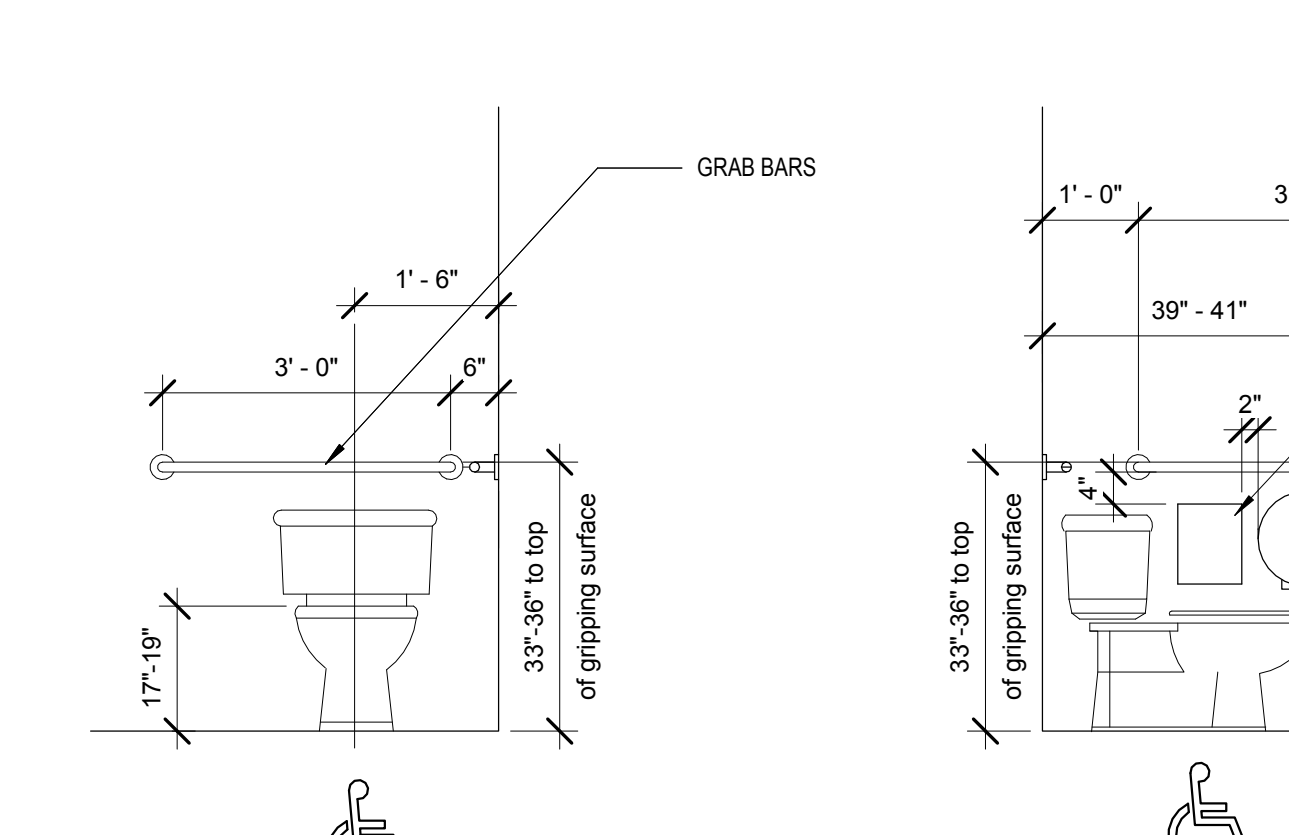
4G ELEVATION - TOILET ROOM C103 EAST  
1/4" = 1'-0"



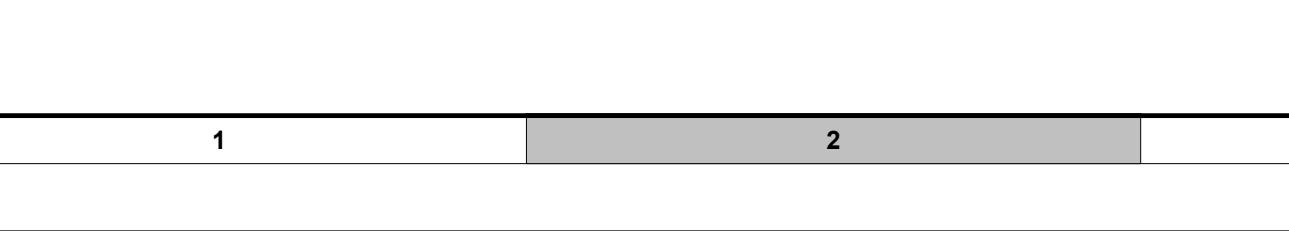
4E ELEVATION - TOILET ROOM C103 WEST  
1/4" = 1'-0"



1E ELEVATION - IN-FILL PARTITION  
1/4" = 1'-0"



4E ELEVATION - TOILET ROOM C103 SOUTH  
1/4" = 1'-0"



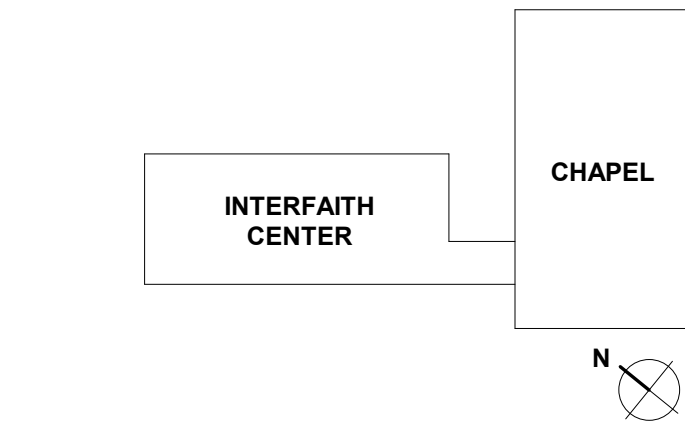
7A ELEVATION - TOILET ROOM 006 EAST  
1/4" = 1'-0"

STAPLE EDGE

STAPLE EDGE

REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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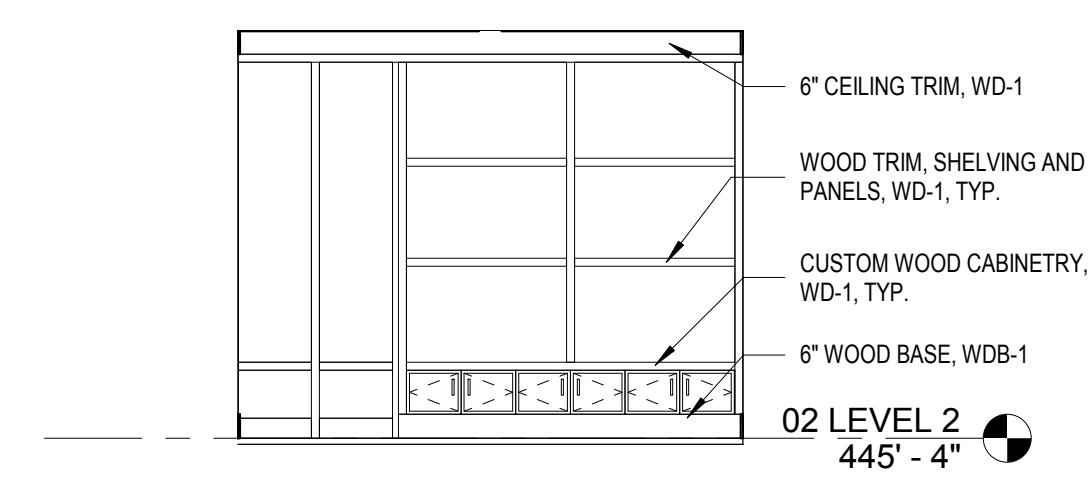
NOT FOR CONSTRUCTION

DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	1/4" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

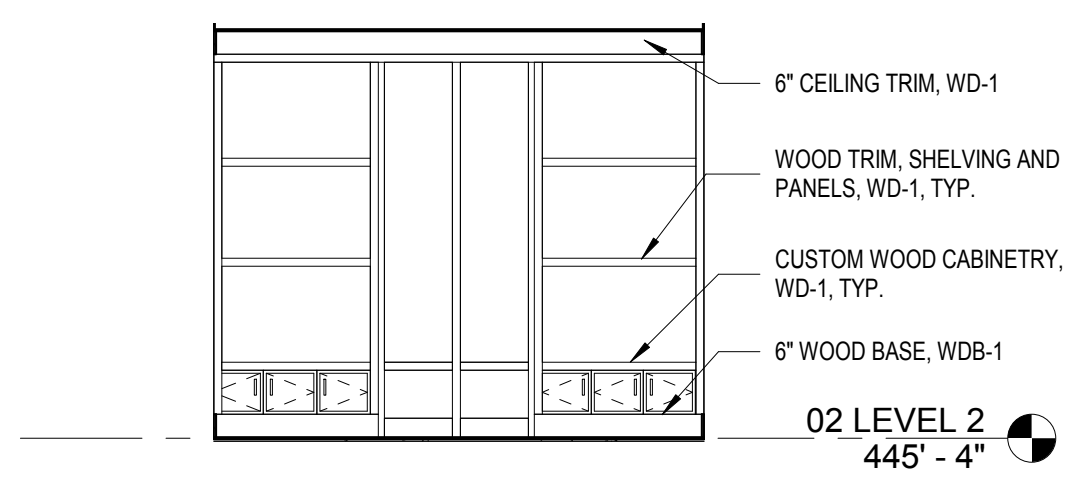
PROJECT DESIGN PHASE  
50% CONSTRUCTION DOCUMENTS

DRAWING NAME  
INTERIOR ELEVATIONS

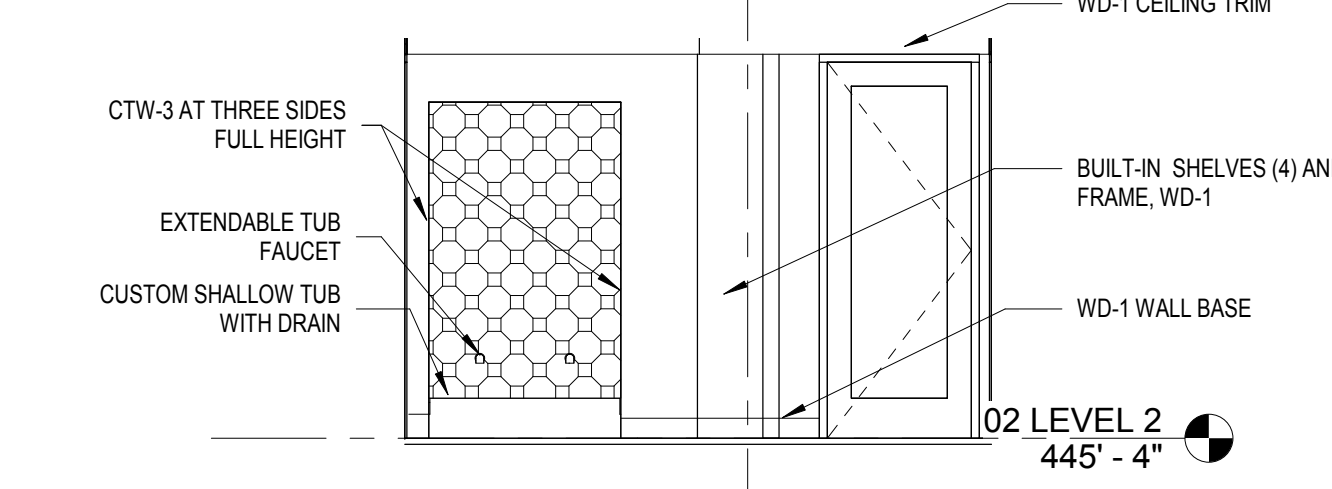
DRAWING NUMBER  
A7.01



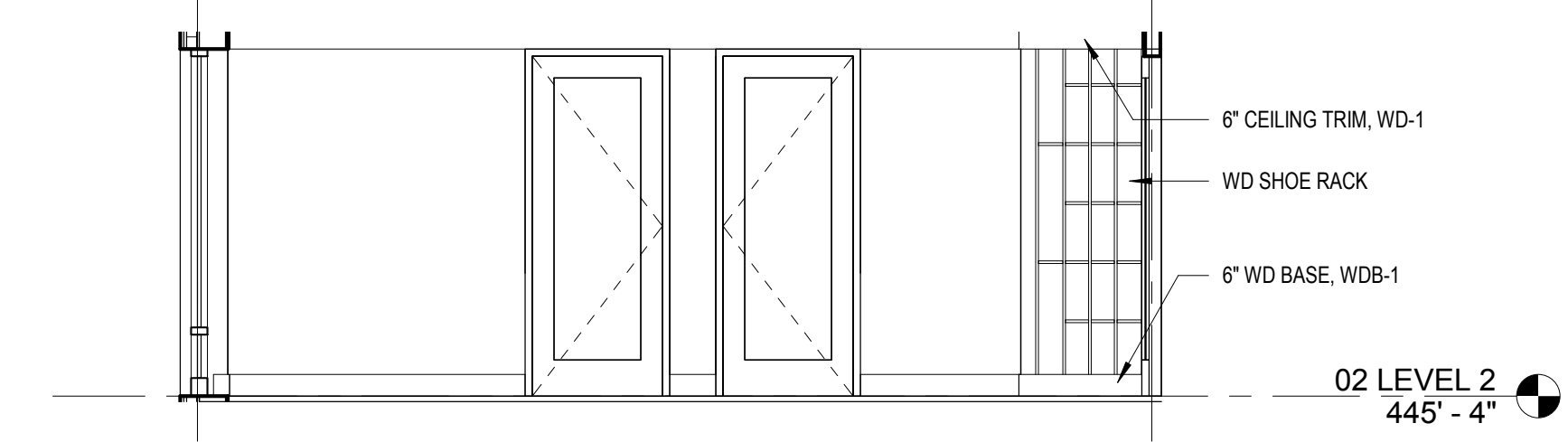
2H ELEVATION - PRAYER ROOM 202C SOUTH  
1/4" = 1'-0"



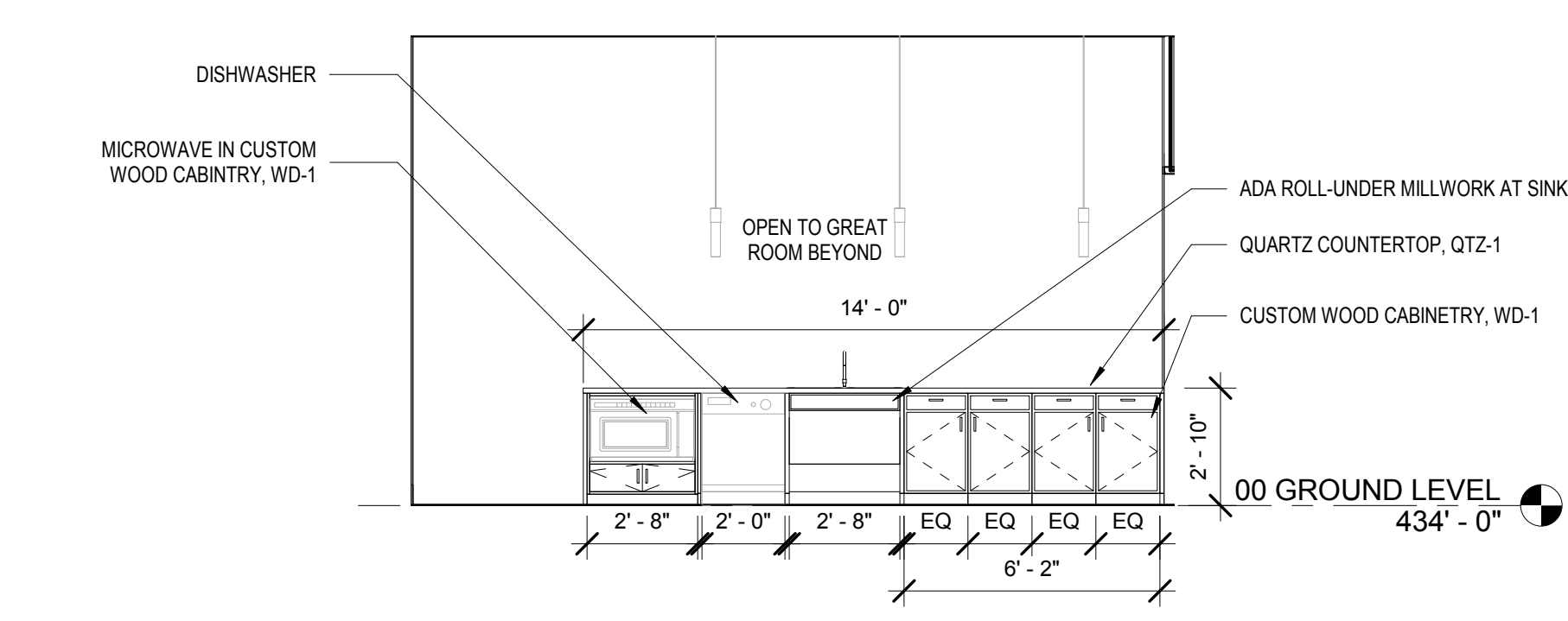
4H ELEVATION - PRAYER ROOM 202B NORTH  
1/4" = 1'-0"



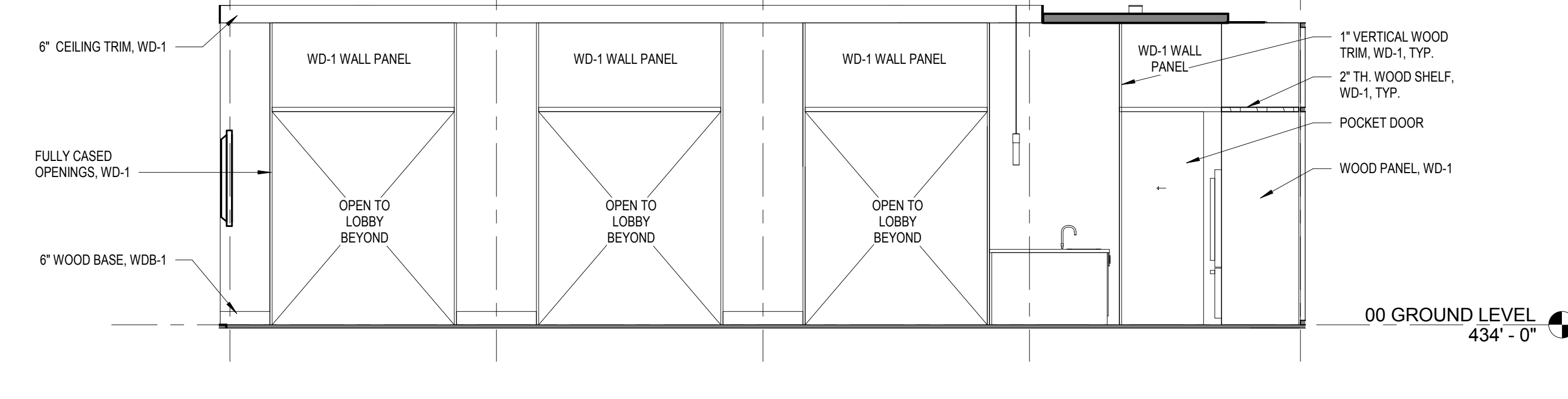
6H ELEVATION - PRAYER LOBBY 202 EAST  
1/4" = 1'-0"



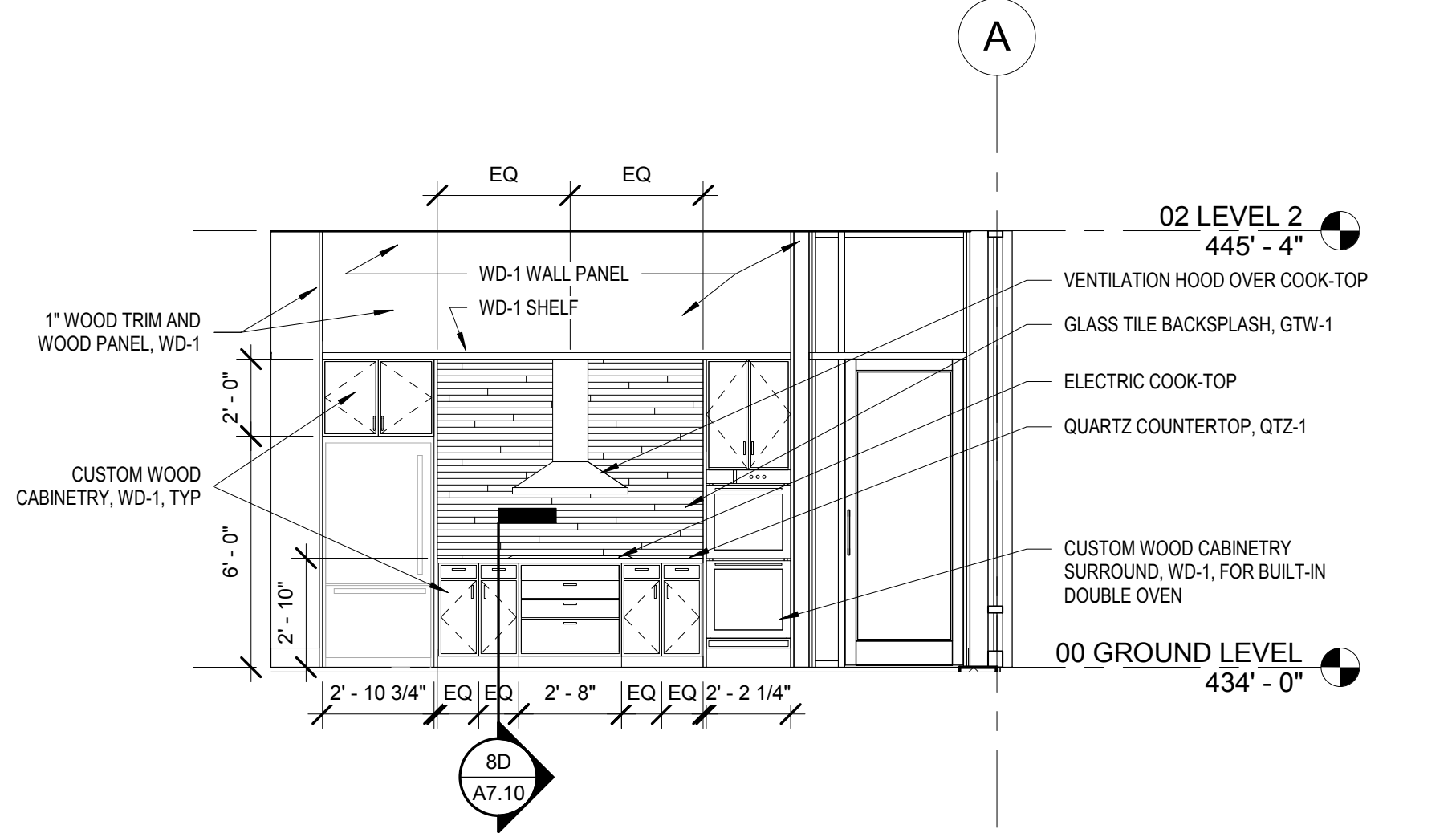
8H ELEVATION - PRAYER LOBBY NORTH  
1/4" = 1'-0"



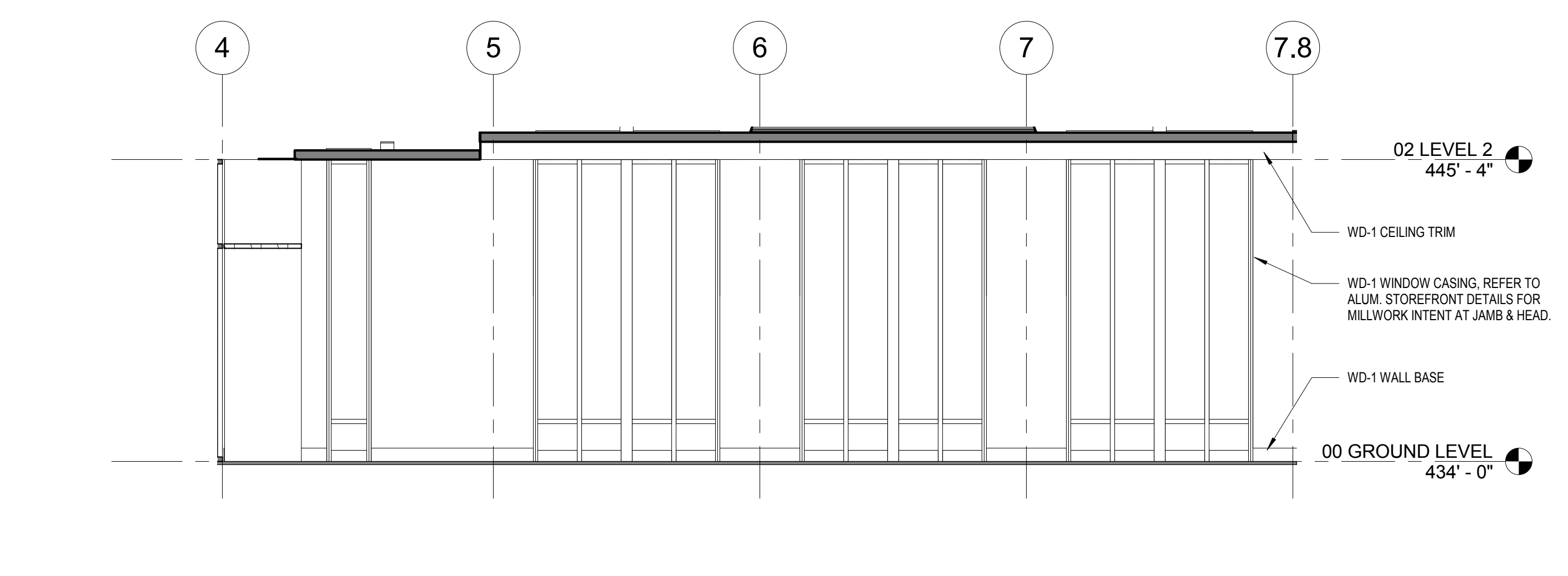
4F ELEVATION - KITCHEN 103 EAST  
1/4" = 1'-0"



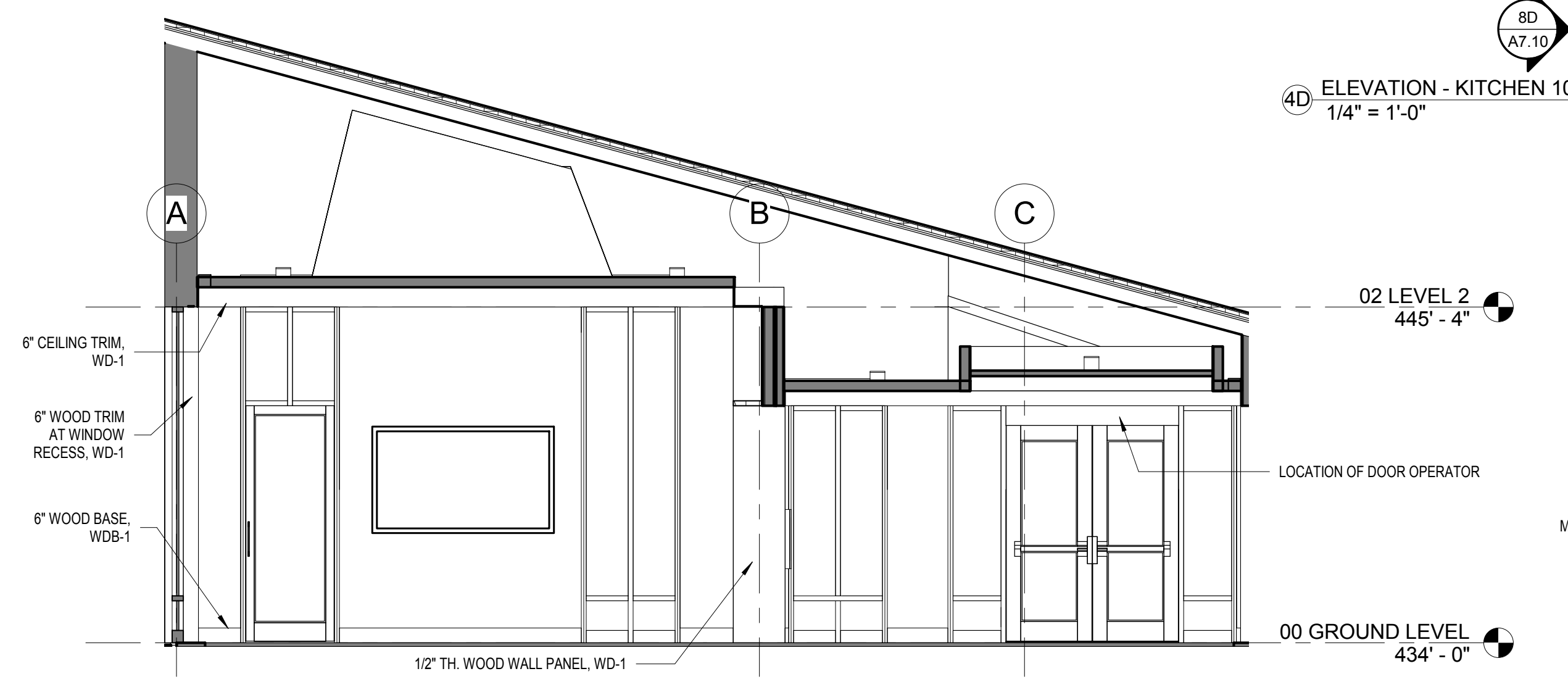
7F ELEVATION - GREAT ROOM 102 SOUTH  
1/4" = 1'-0"



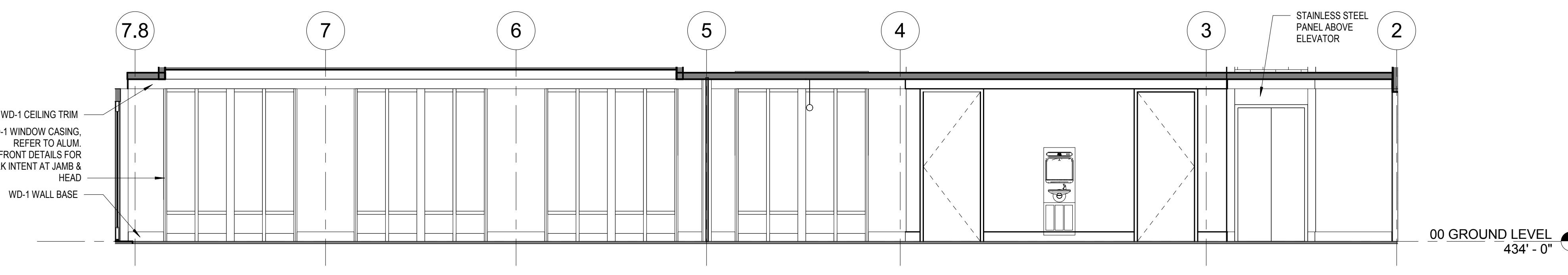
4D ELEVATION - KITCHEN 103 WEST  
1/4" = 1'-0"



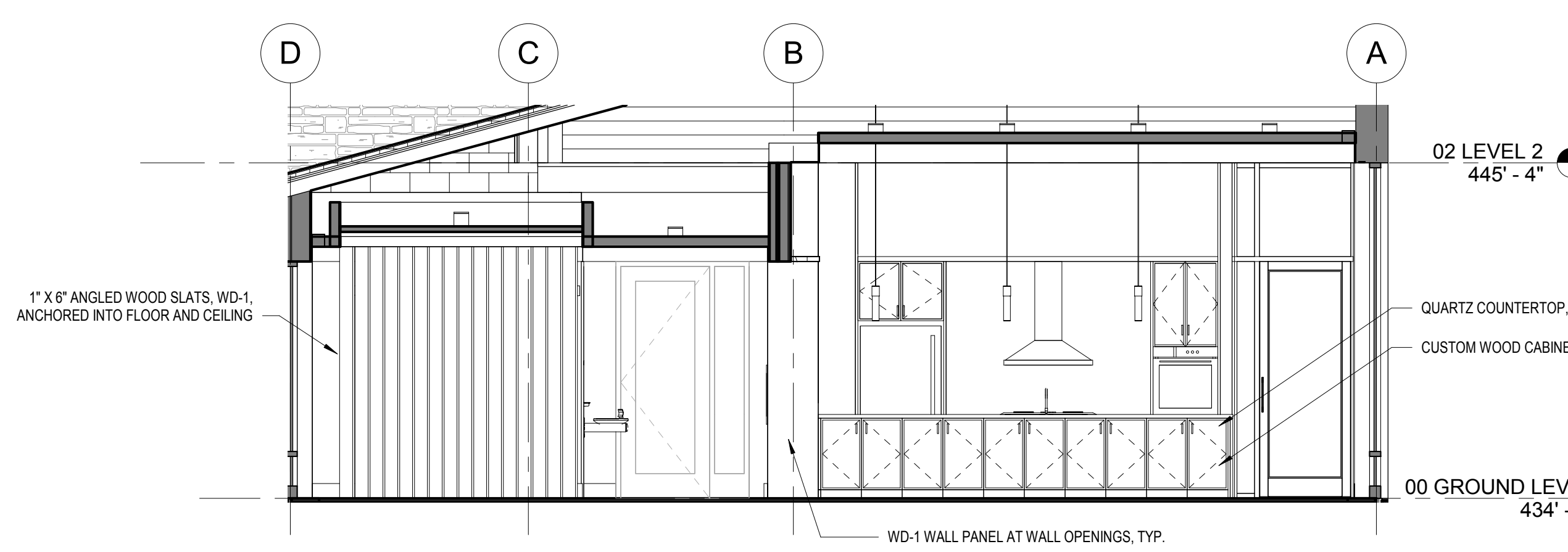
7D ELEVATION - GREAT ROOM 102 NORTH  
1/4" = 1'-0"



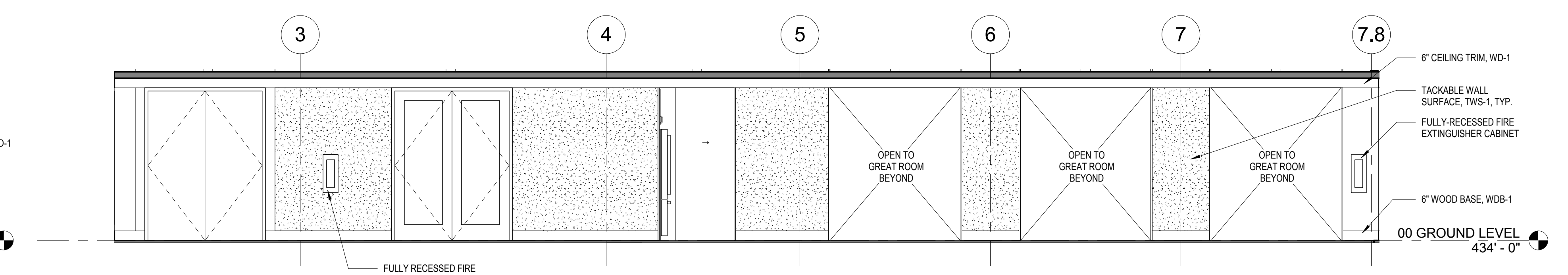
1C ELEVATION - LOBBY 101 / GREAT ROOM 102 EAST  
1/4" = 1'-0"



5C ELEVATION - LOBBY 101 SOUTH  
1/4" = 1'-0"



1A ELEVATION - LOBBY 101 / GREAT ROOM 102 WEST  
1/4" = 1'-0"



5A ELEVATION - LOBBY 101 NORTH  
1/4" = 1'-0"

PROJECT TEAM

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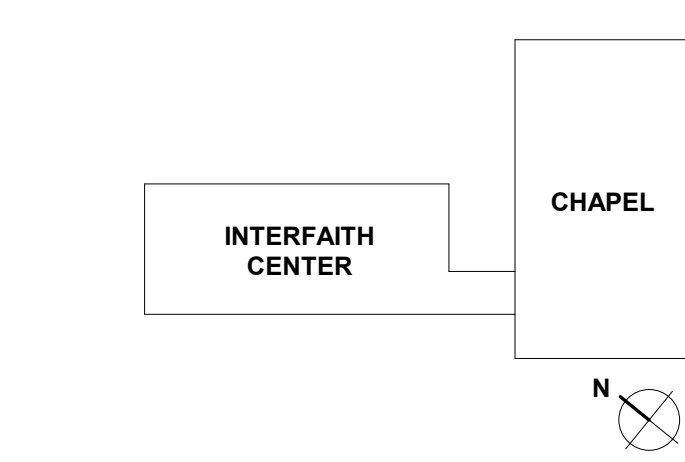
**IT / AV / SECURITY**  
SPEXSYS  
7257 PARKWAY DRIVE, SUITE 280  
HANOVER, MD 21076  
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REV. #	DESCRIPTION	DATE

KEY PLAN



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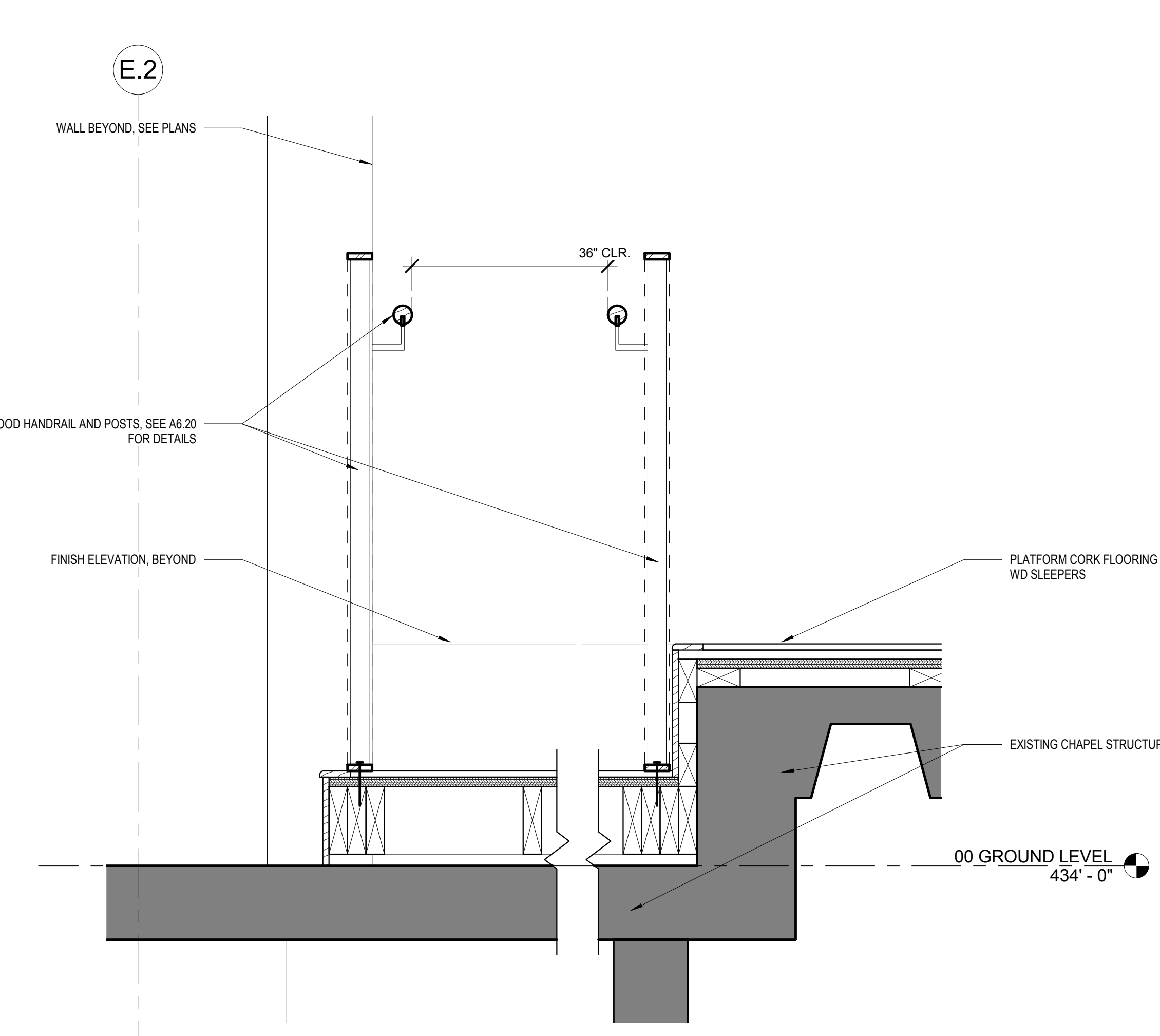
NOT FOR CONSTRUCTION

DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	1 1/2" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

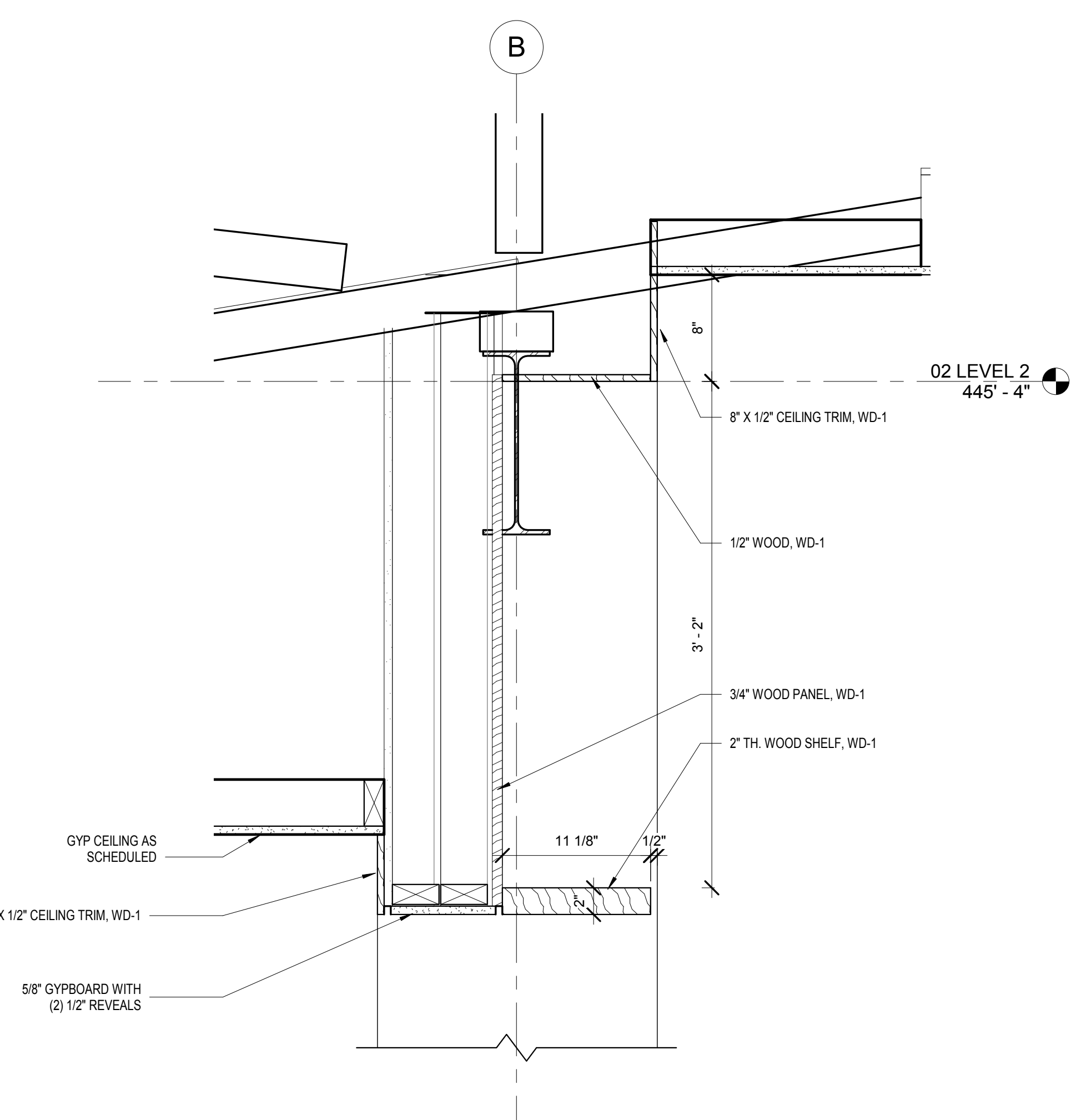
PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**INTERIOR DETAILS**

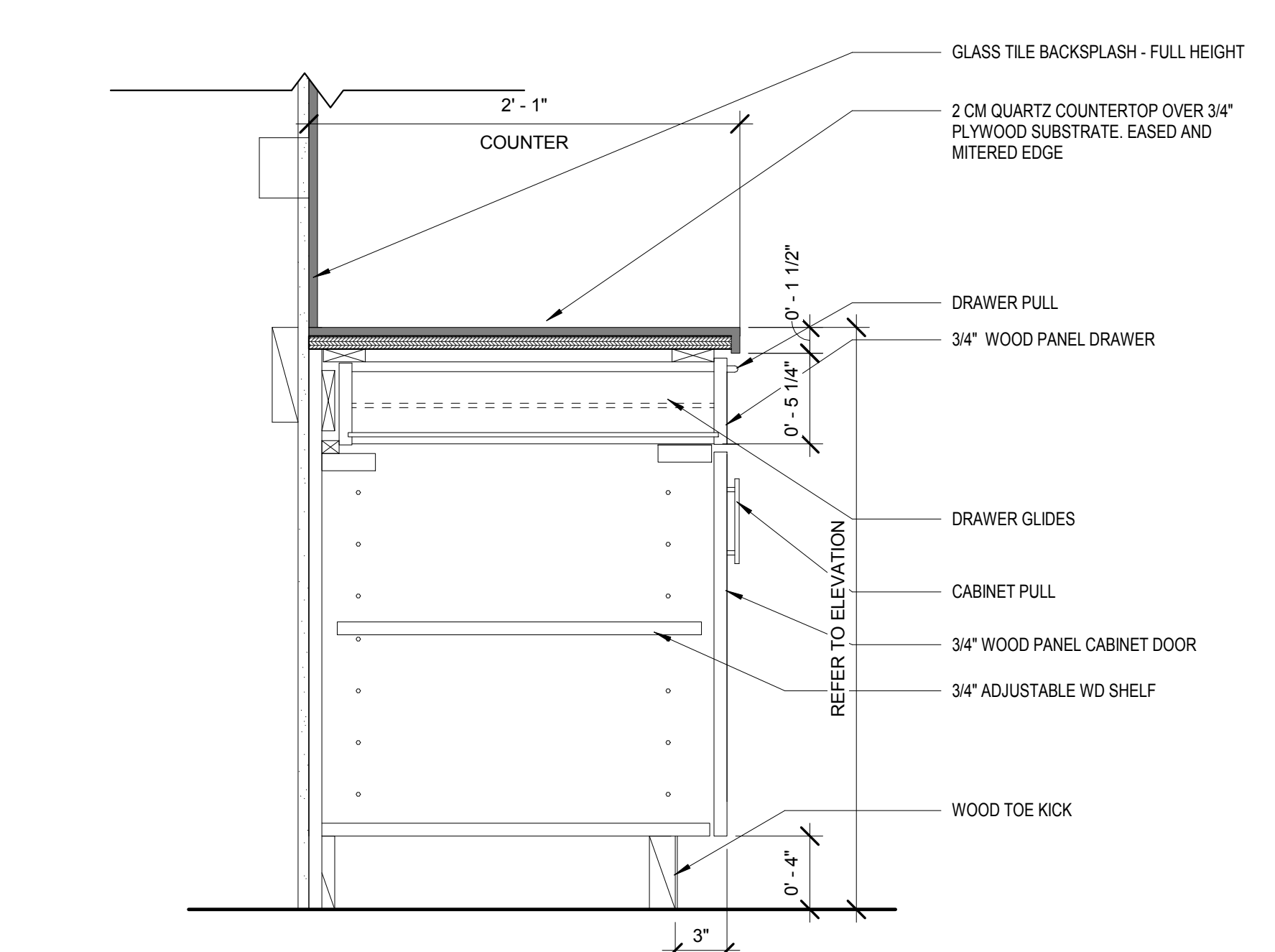
DRAWING NUMBER  
**A7.10**



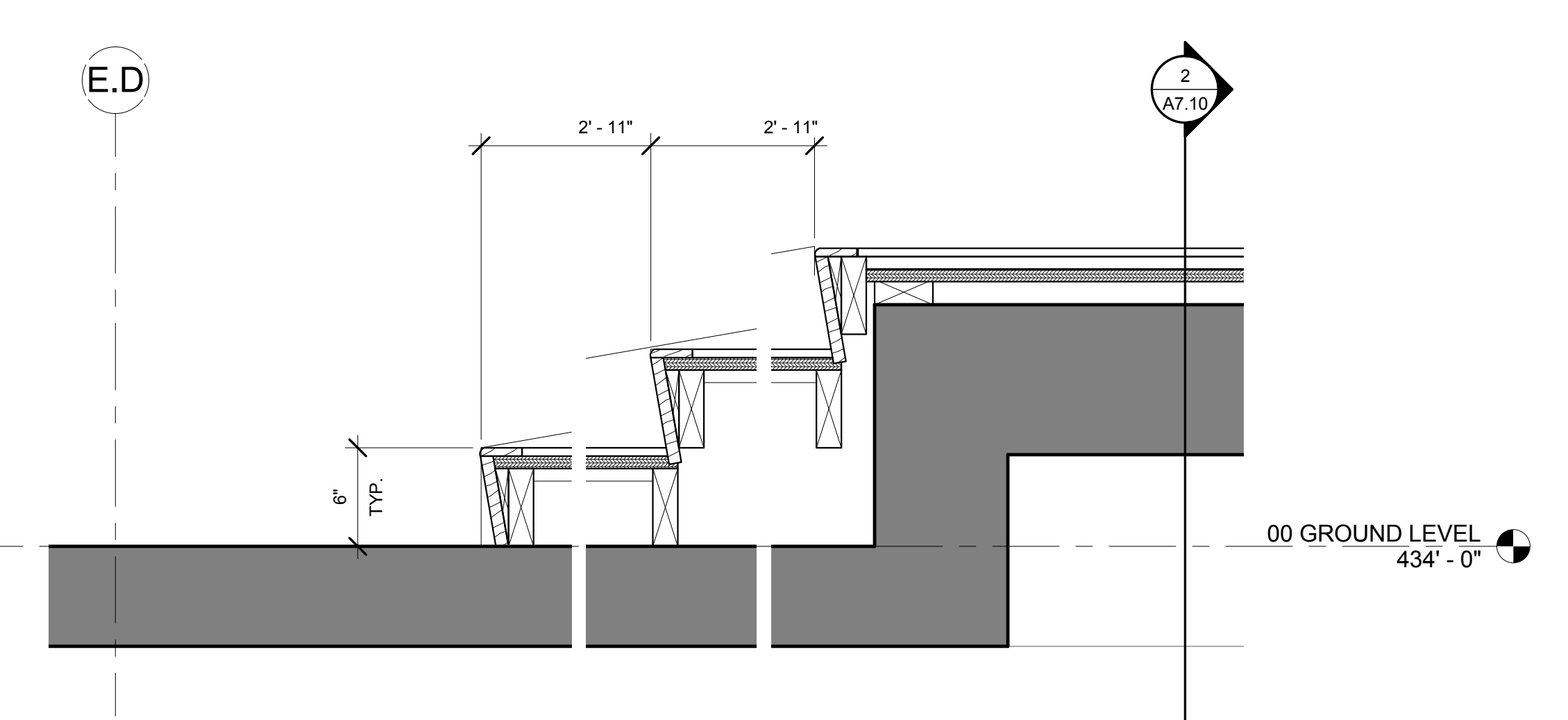
2 CHAPEL PLATFORM - RAMP SECTION  
1 1/2" = 1'-0"



1 DOOR WAY MILLWORK SECTION  
1 1/2" = 1'-0"



8D KITCHEN BASE CABINET DETAIL  
1 1/2" = 1'-0"



3 CHAPEL PLATFORM - STAIR SECTION  
1 1/2" = 1'-0"

GOLDSMITH INTERFAITH CENTER

GOUCHER COLLEGE  
1021 DULANEY VALLEY RD  
BALTIMORE MD 21204

PROJECT TEAM

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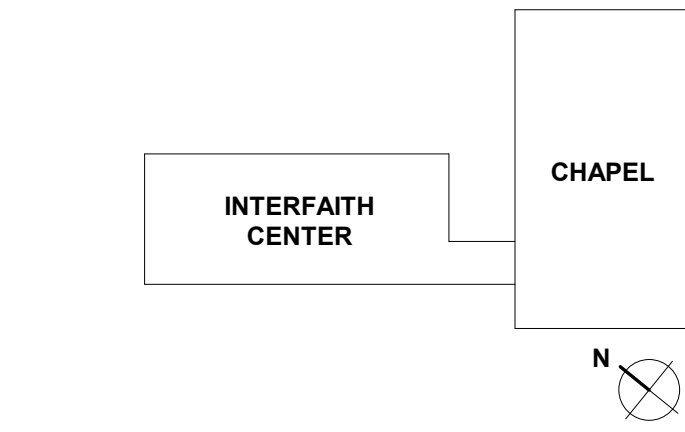
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DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	1/8" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**FINISH FLOOR PLANS**

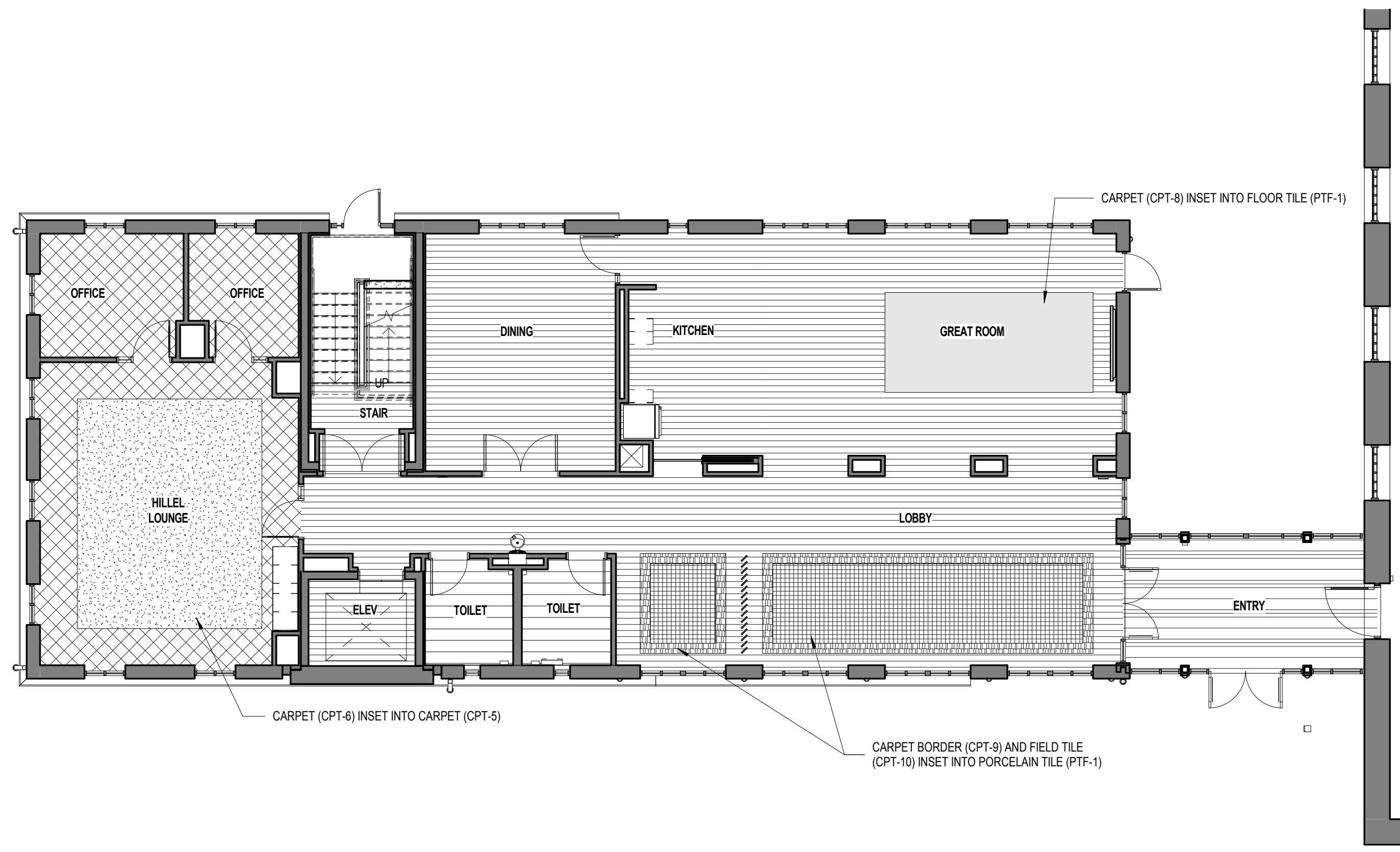
DRAWING NUMBER  
**A8.00**

FLOOR FINISH LEGEND

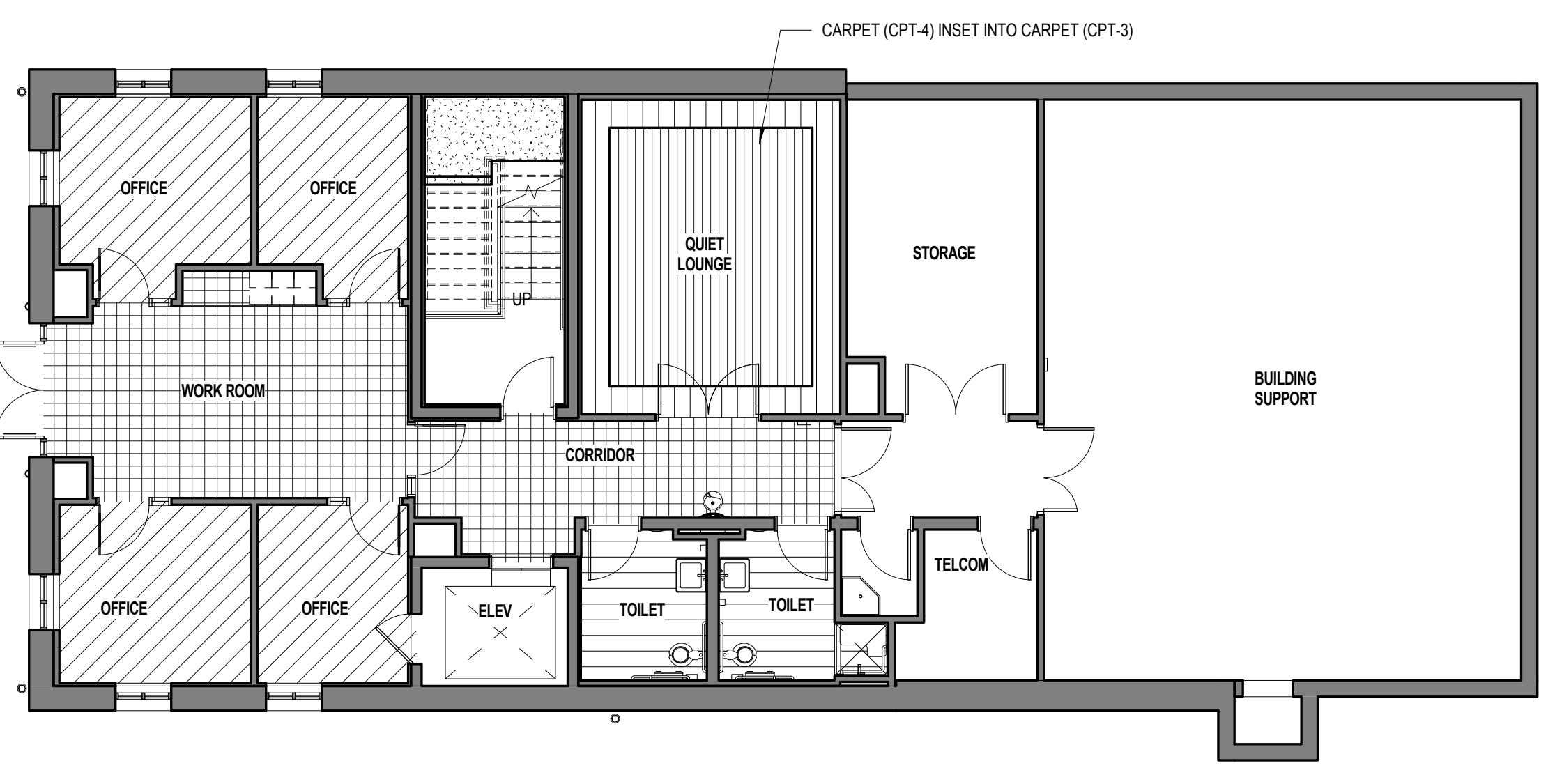
- CPT-1 [Pattern]
- CPT-2 [Pattern]
- CPT-3 [Pattern]
- CPT-4 [Pattern]
- CPT-5 [Pattern]
- CPT-6 [Pattern]
- CPT-7 [Pattern]
- CPT-8 [Pattern]
- CPT-9 [Pattern]
- CPT-10 [Pattern]
- CPT-11 [Pattern]
- CPT-12 [Pattern]
- PFT-1 [Pattern]
- PFT-2 [Pattern]
- PFT-3 [Pattern]
- SCO [Pattern]



1G LEVEL 2 - FINISH PLAN  
1/8" = 1'-0"



1C LEVEL 1 - FINISH PLAN  
1/8" = 1'-0"

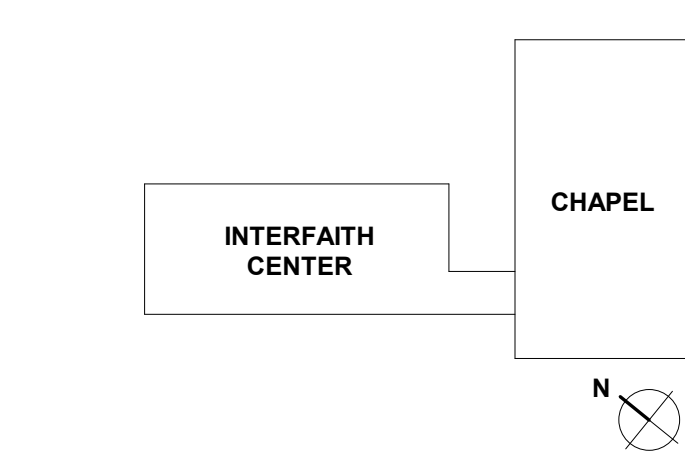


1A LOWER LEVEL - FINISH PLAN  
1/8" = 1'-0"



REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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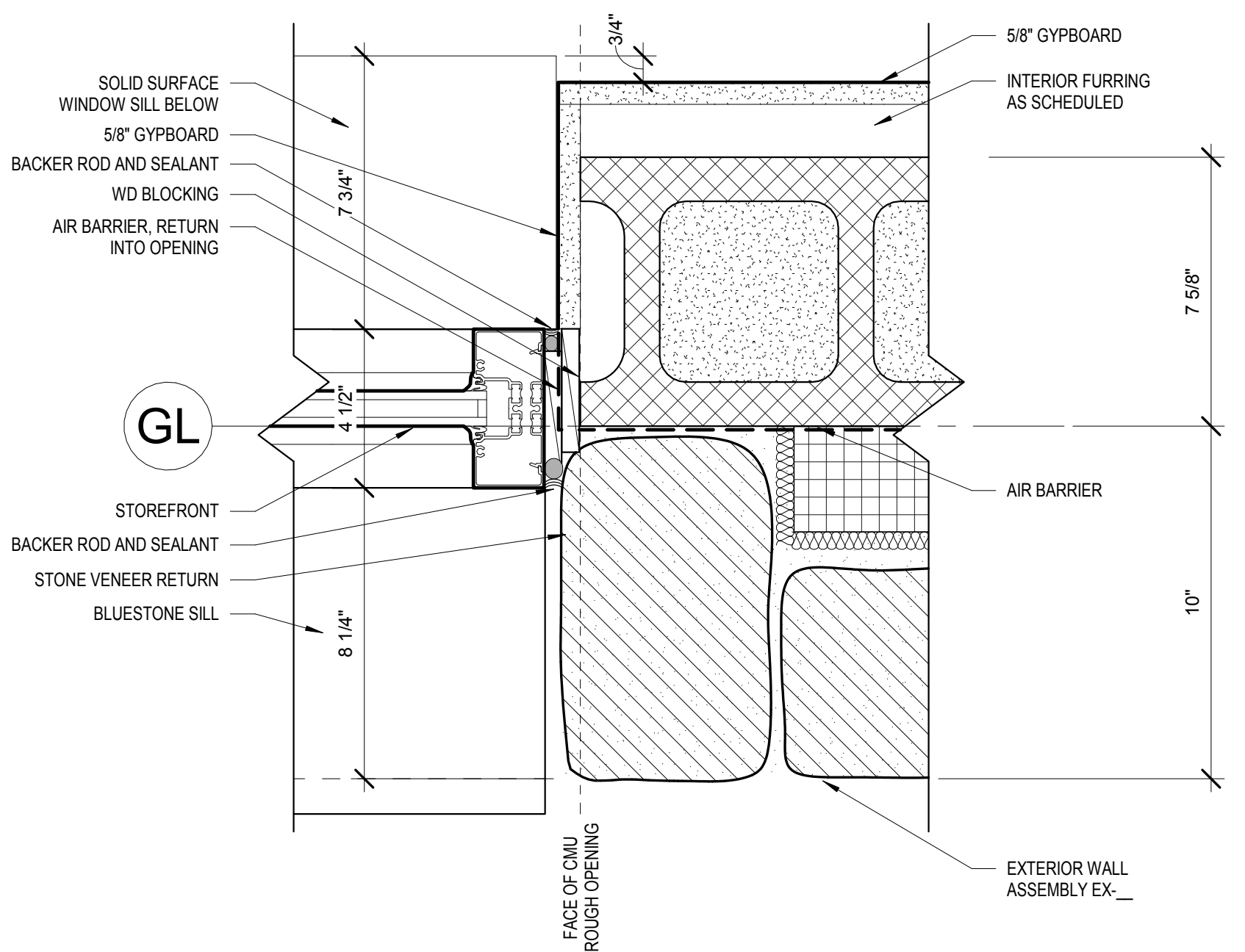
DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	3" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
50% CONSTRUCTION DOCUMENTS

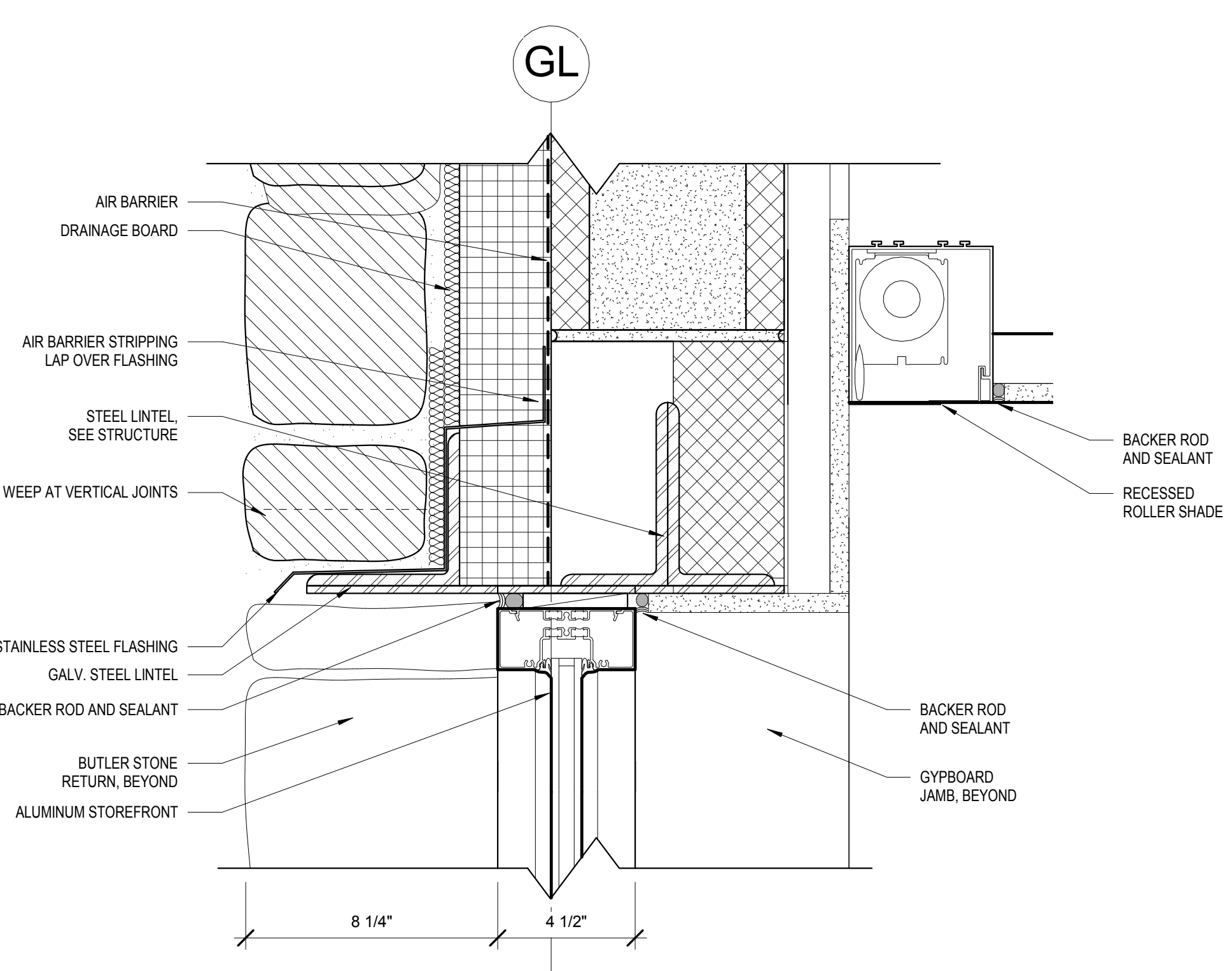
DRAWING NAME  
STOREFRONT DETAILS

DRAWING NUMBER

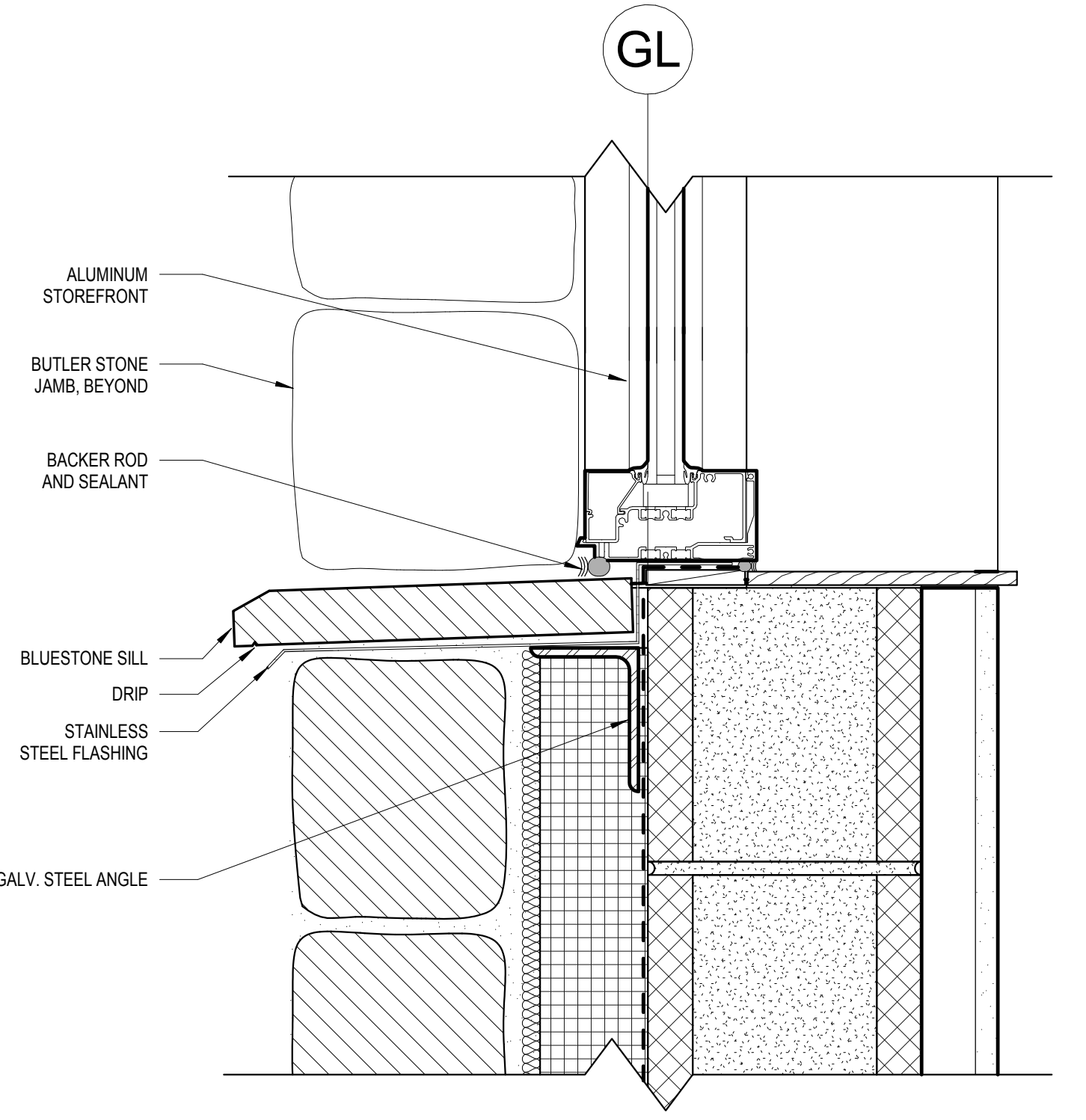
A9.11



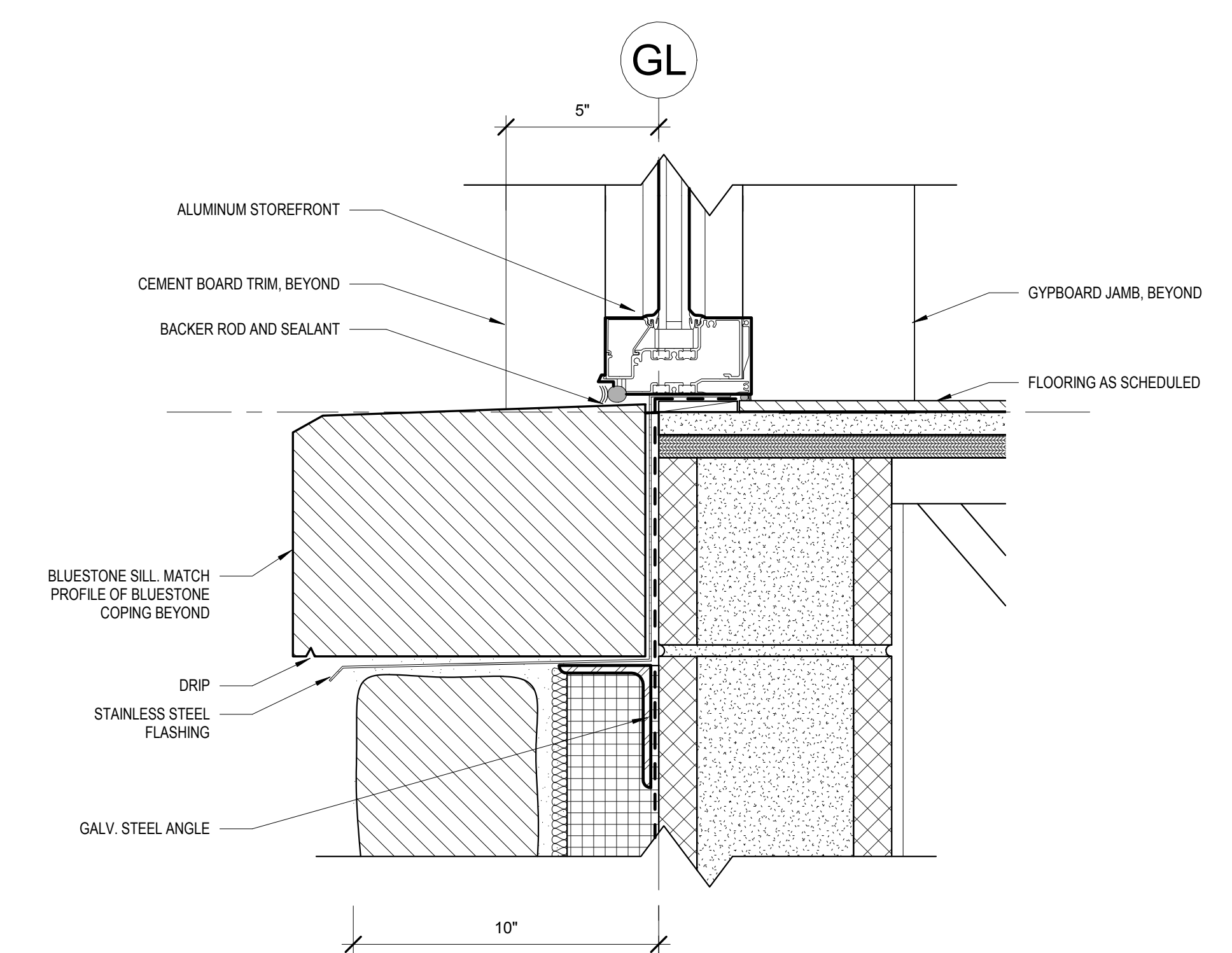
1G TYPICAL STOREFRONT JAMB AT EXTERIOR BUTLER STONE  
3" = 1'-0"



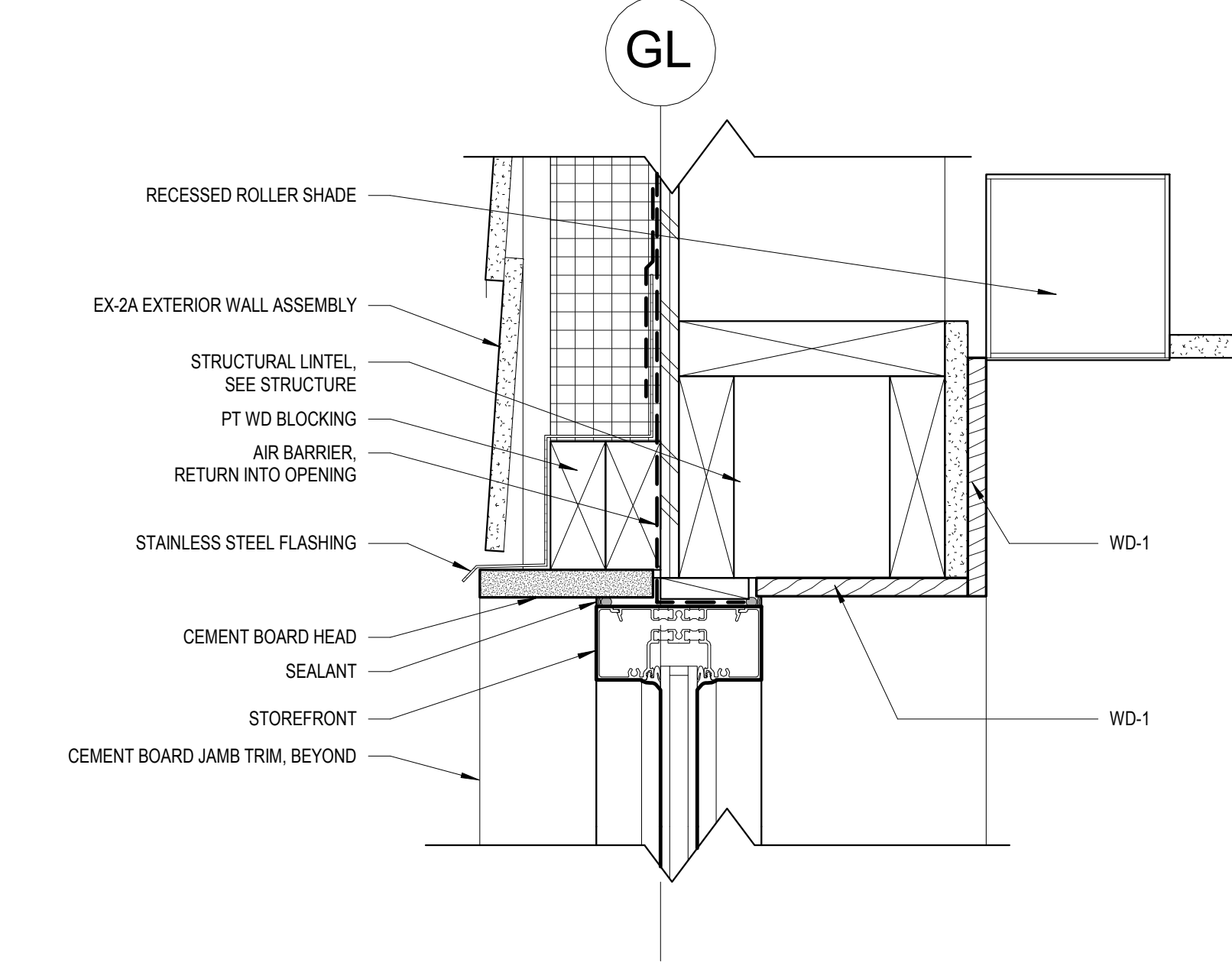
1D TYPICAL STOREFRONT HEAD AT BUTLER STONE  
3" = 1'-0"



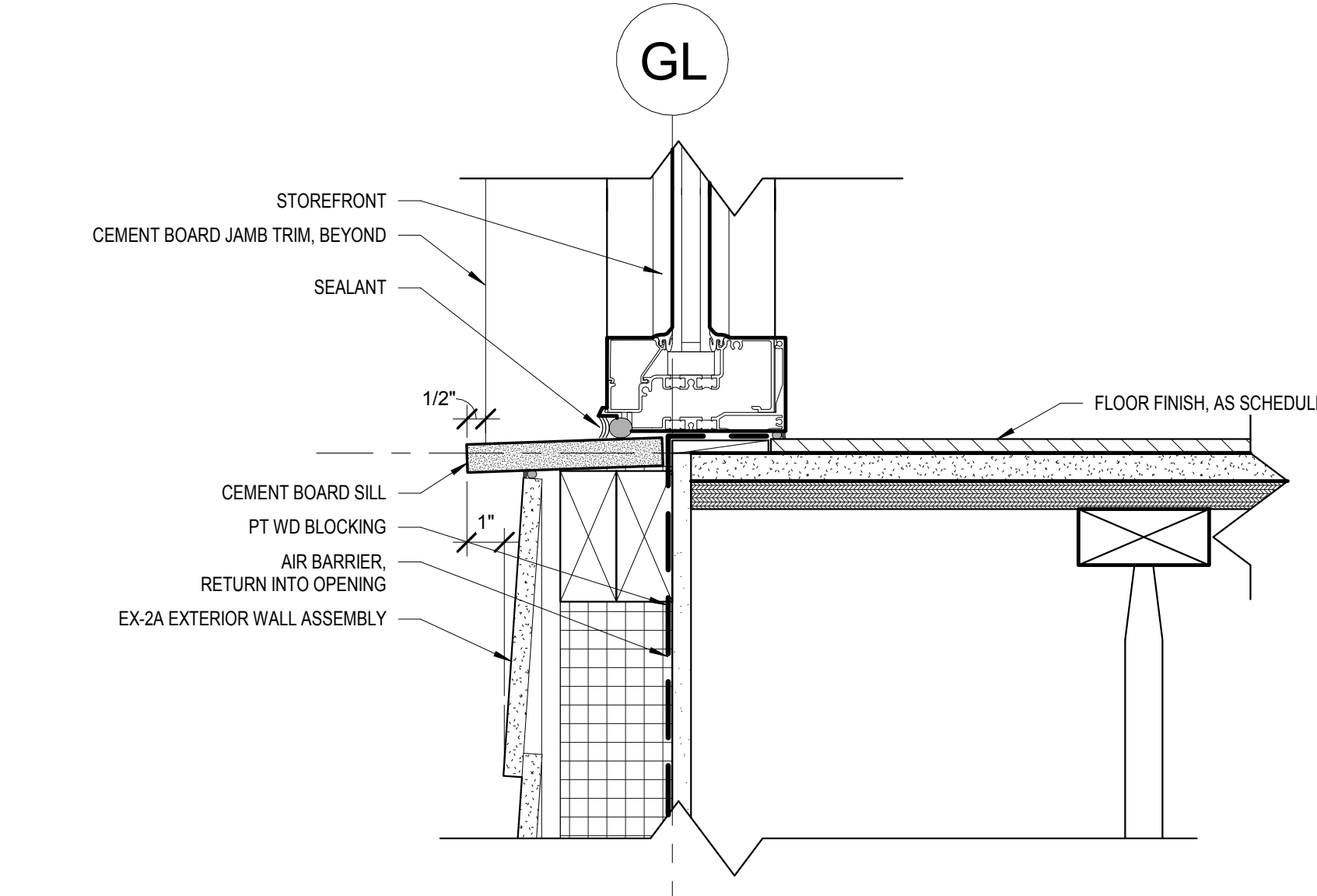
1A TYPICAL STOREFRONT SILL AT BUTLER STONE  
3" = 1'-0"



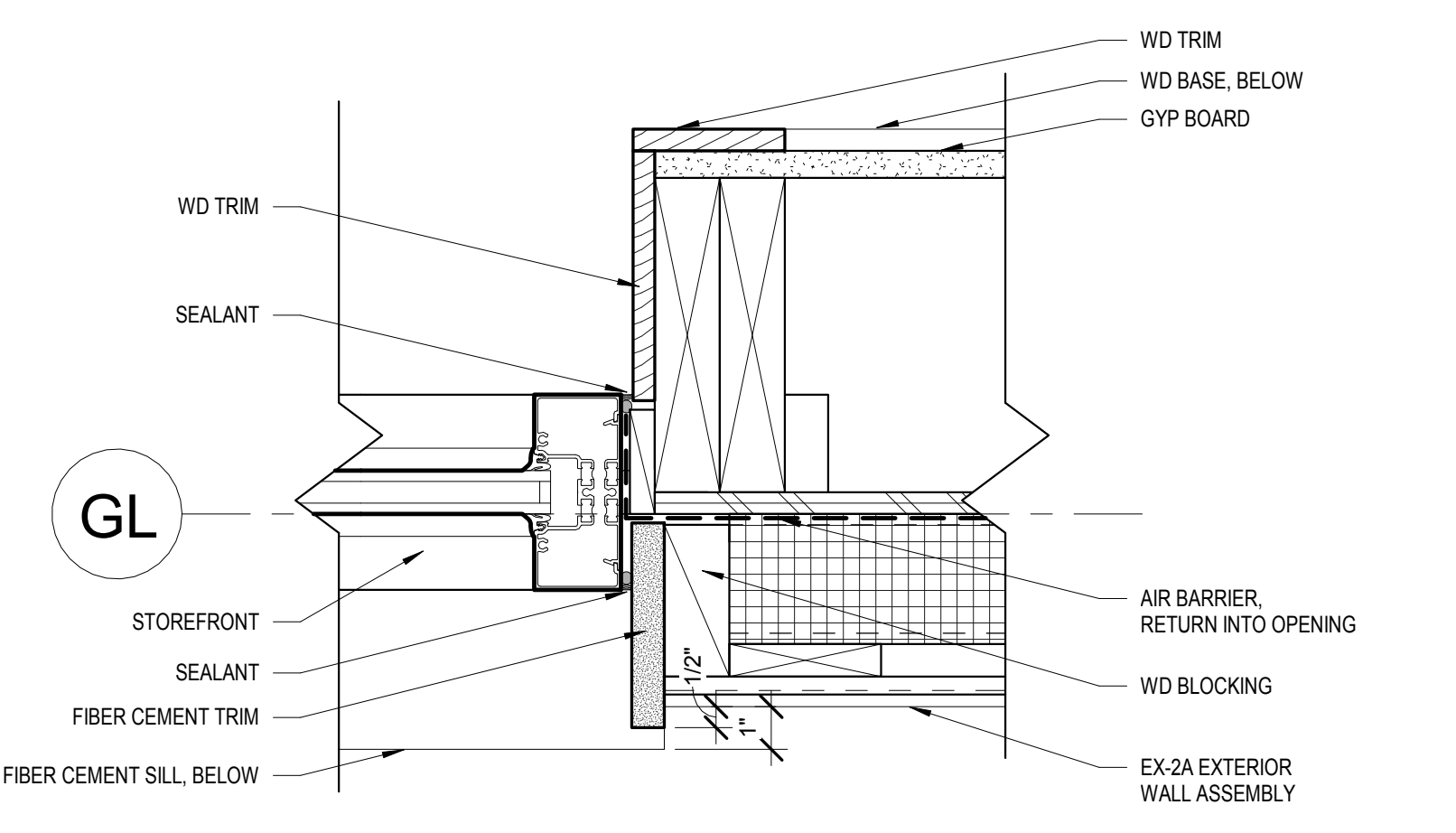
3 TYPICAL STOREFRONT SILL AT BUTLER STONE WITH BLUESTONE COPING  
3" = 1'-0"



8 TYPICAL STOREFRONT HEAD AT CEMENT BOARD SIDING  
3" = 1'-0"



2 TYPICAL STOREFRONT SILL AT CEMENT BOARD SIDING  
3" = 1'-0"



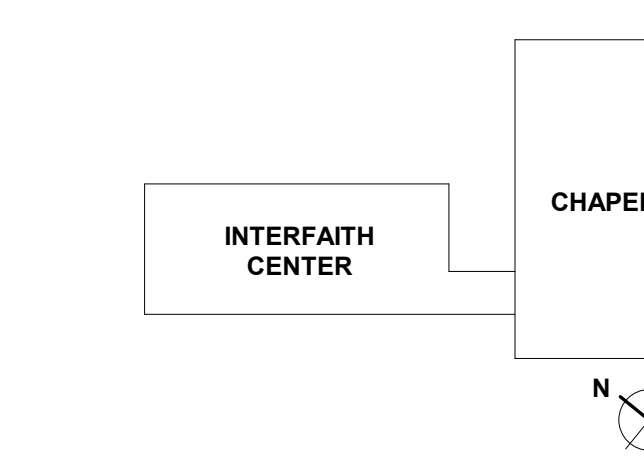
4 TYPICAL STOREFRONT JAMB AT CEMENT BOARD SIDING  
3" = 1'-0"

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4/28/2017 3:31:42 PM

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**KEY PLAN**



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DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	As indicated
JOB NO.:	21641.00
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**PROJECT DESIGN PHASE**  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME

**PARTITION TYPES**

DRAWING NUMBER

**A9.20**

**NOTES:**

- PARTITIONS ARE DISTINGUISHED ON FLOOR PLANS BY SYMBOL, GRAPHIC DESIGNATION, OR A COMBINATION OF BOTH.
- THE GRAPHIC SYMBOL DESIGNATION HAS THREE BASE CHARACTERS, AND IN SOME CASES A MODIFIER. PARTITION TYPE LABELS GENERALLY FOLLOW THE FORMAT ILLUSTRATED BELOW, UNLESS OTHERWISE NOTED IN PARTITION SCHEDULE.

- AAA:** FIRST CHARACTER INDICATES THE WALL CONSTRUCTION TYPE  
**0:** SECOND CHARACTER INDICATES THE FIRE RATING  
**4:** THIRD CHARACTER DENOTES THE STUD OR CMU THICKNESS (NOMINAL)  
**A:** FOURTH CHARACTER (OPTIONAL) IS A MODIFIER, REFERENCED IN THE "OTHER CRITERIA" COLUMN OF THE CORRESPONDING PARTITION SCHEDULE

**WALL CONSTRUCTION TYPE:**

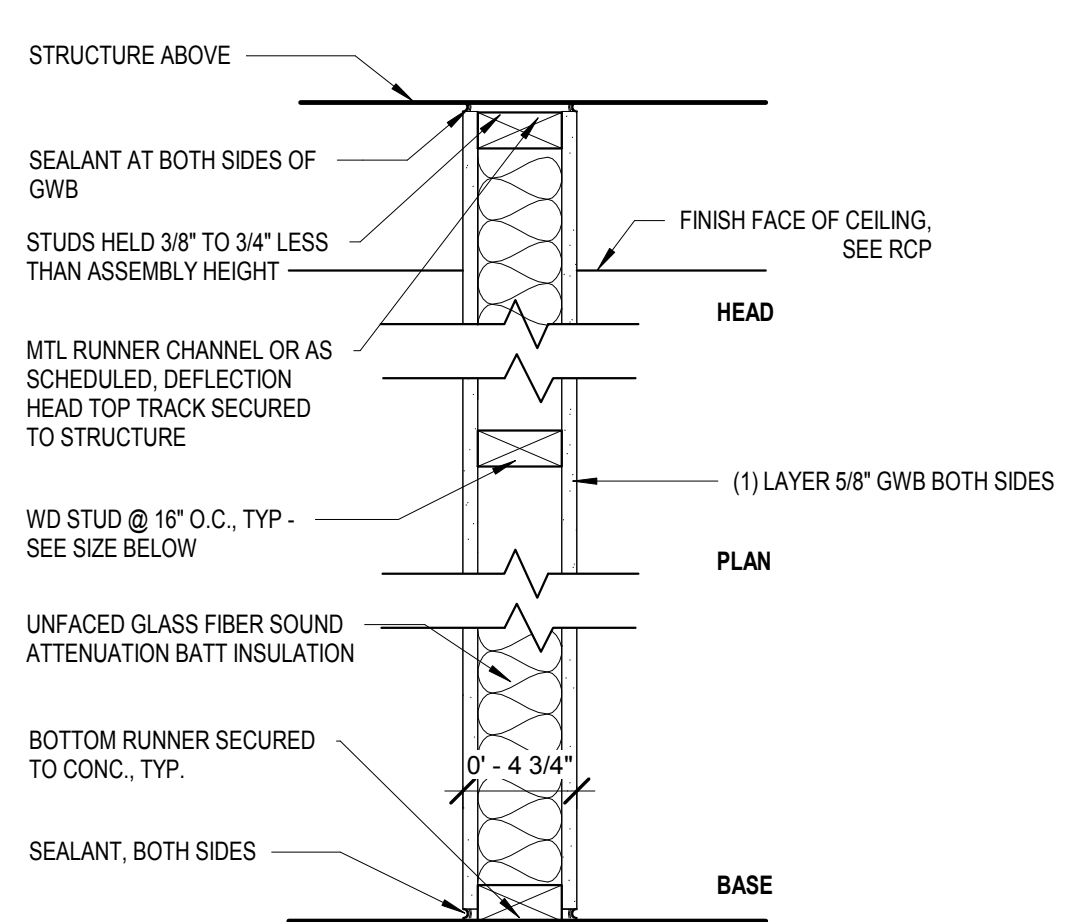
- A: STUD/DRYWALL PARTITION
- C: CMU PARTITION
- F: FURRING PARTITION
- S: SHAFT WALL
- T: MOISTURE-RESISTANT PARTITION (TLT PARTITIONS)
- Y: CUSTOM PARTITION

**FIRE RATING:**

- 0: NOT RATED
- 1: 1 HR. RATED
- 2: 2 HR. RATED

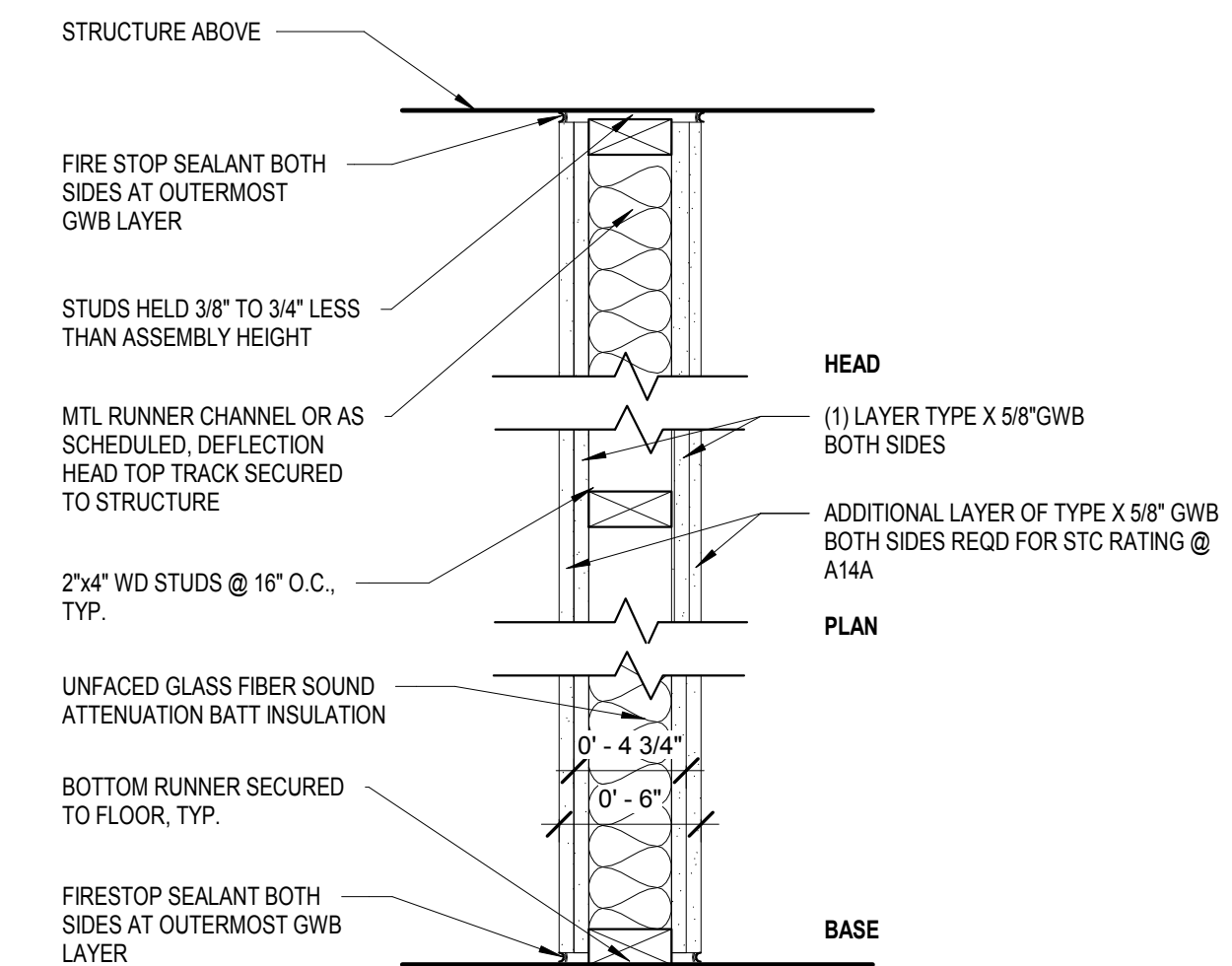
**STUD/CMU THICKNESS:**

- 1: 1x WOOD FURRING
- 2: 1 1/2" WOOD STUD
- 4: 3 1/2" WOOD STUD OR 4" CMU (NOM.) OR 4" CH
- 5: 5 1/2" WOOD STUD
- 8: 8" CMU (NOM.)



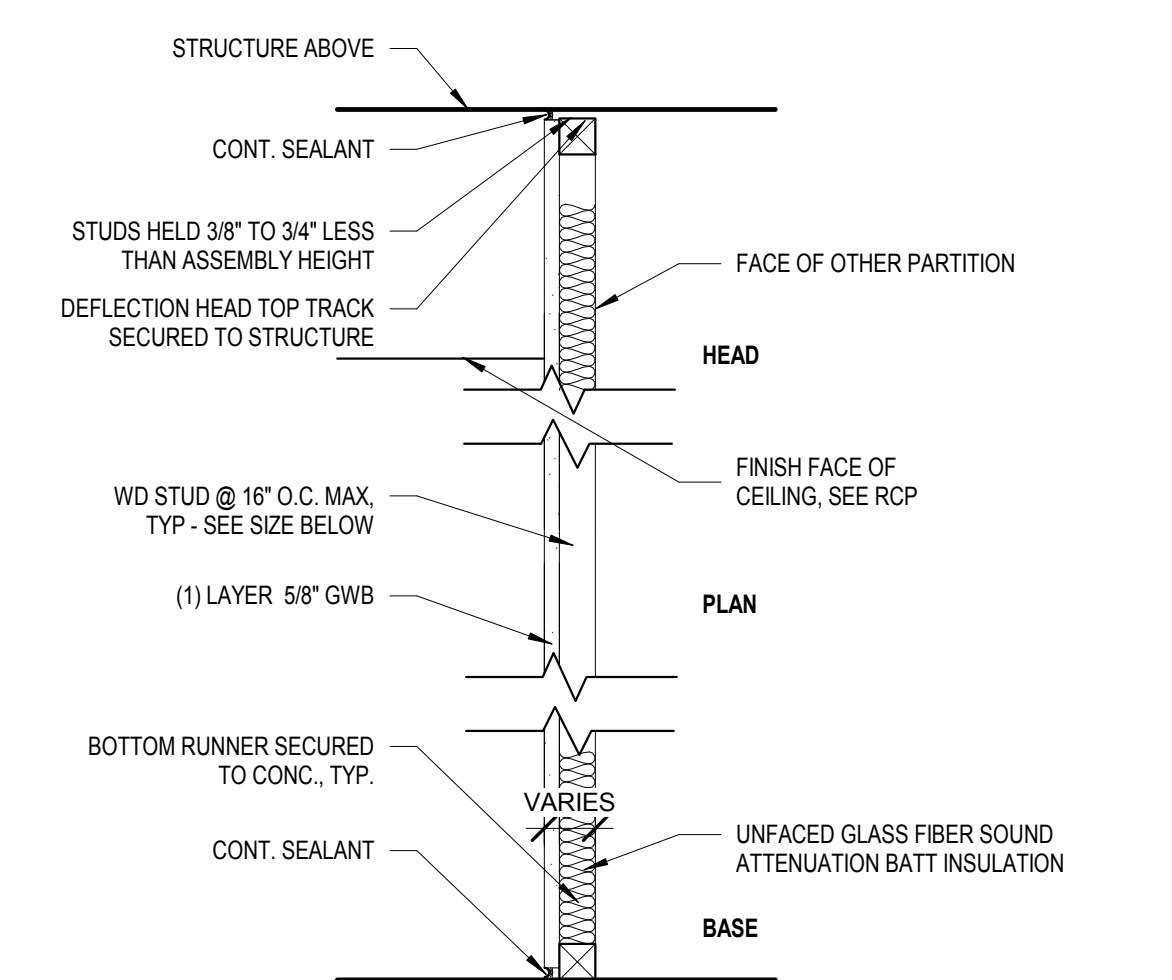
TYPE	STUD TYPE	FIRE RESIST. TEST	STC RATING	OTHER CRITERIA
A04	WD 2"x4"			3-1/2" UNFACED GLASS FIBER SOUND ATTENUATION BATT INSULATION
A06	WD 2"x6"			5-1/2" UNFACED GLASS FIBER SOUND ATTENUATION BATT INSULATION
A08	WD 2"x8"			7-1/2" UNFACED GLASS FIBER SOUND ATTENUATION BATT INSULATION

**A04 - WD STUD, DRYWALL PARTITION**  
1 1/2" = 1'-0"



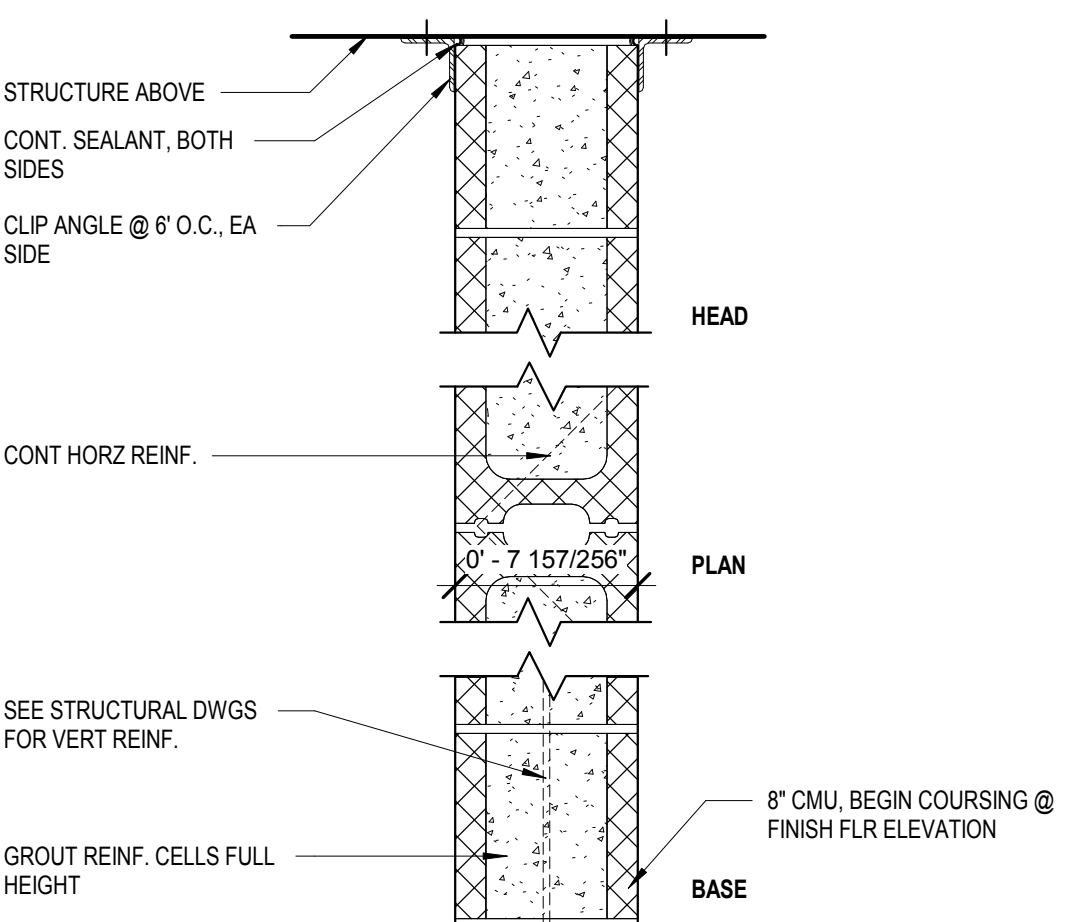
TYPE	STUD TYPE	FIRE RESIST. TEST	STC RATING	OTHER CRITERIA
A14	WD 2"x4"	U465		3-1/2" UNFACED GLASS FIBER SOUND ATTENUATION BATT INSULATION
A14	WD 2"x4"	U465	MIN. 50	3-1/2" UNFACED GLASS FIBER SOUND ATTENUATION BATT INSULATION; ADDITIONAL LAYER OF 5/8" GWB ON EACH SIDE

**A14 - RATED WD STUD, DRYWALL PARTITION**  
1 1/2" = 1'-0"



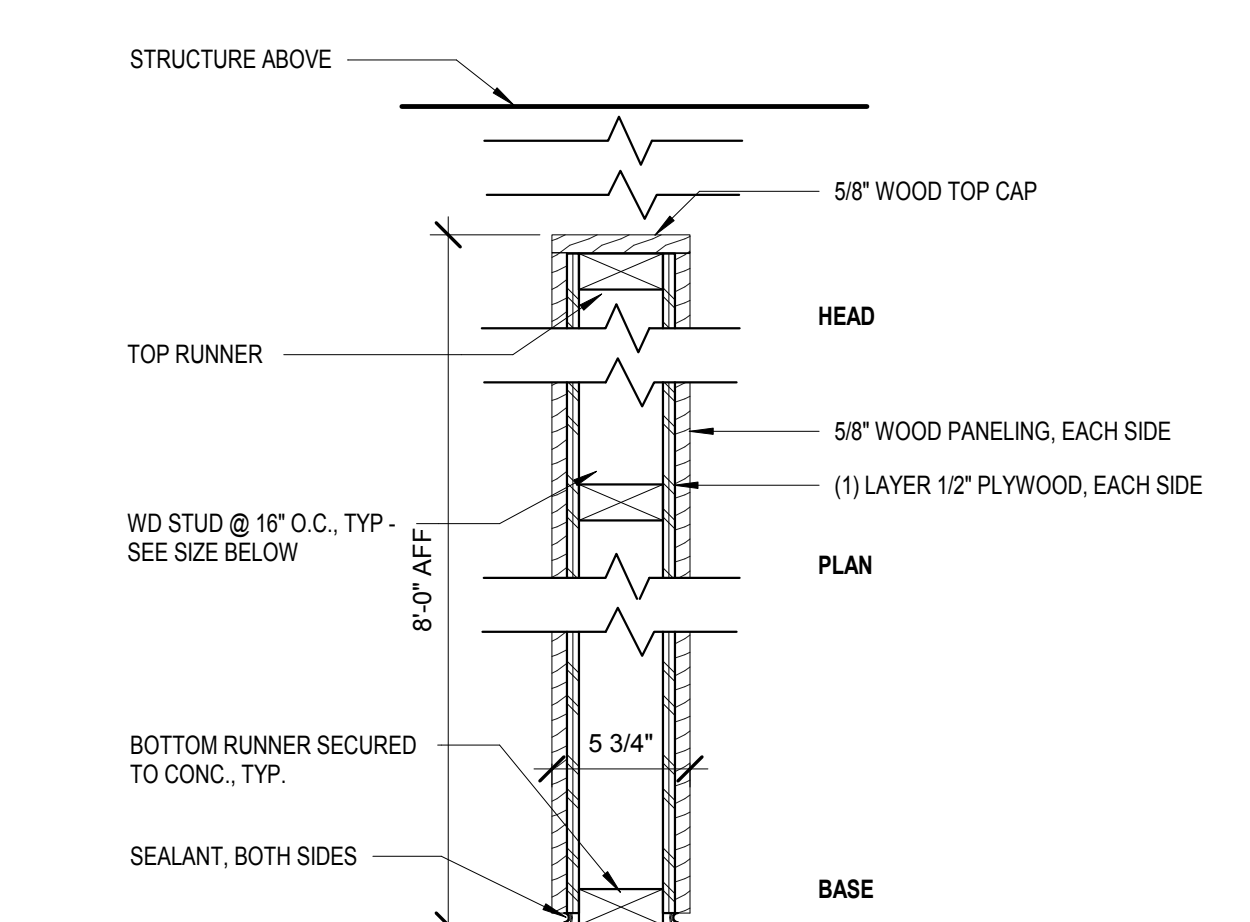
TYPE	STUD TYPE	FIRE RESIST. TEST	STC RATING	OTHER CRITERIA
F02	3/4"			
F04	3 1/2"			3-1/2" UNFACED GLASS FIBER SOUND ATTENUATION BATT INSULATION
F06	5 1/2"			5-1/2" UNFACED GLASS FIBER SOUND ATTENUATION BATT INSULATION

**F02 - FURRING PARTITION**  
1 1/2" = 1'-0"



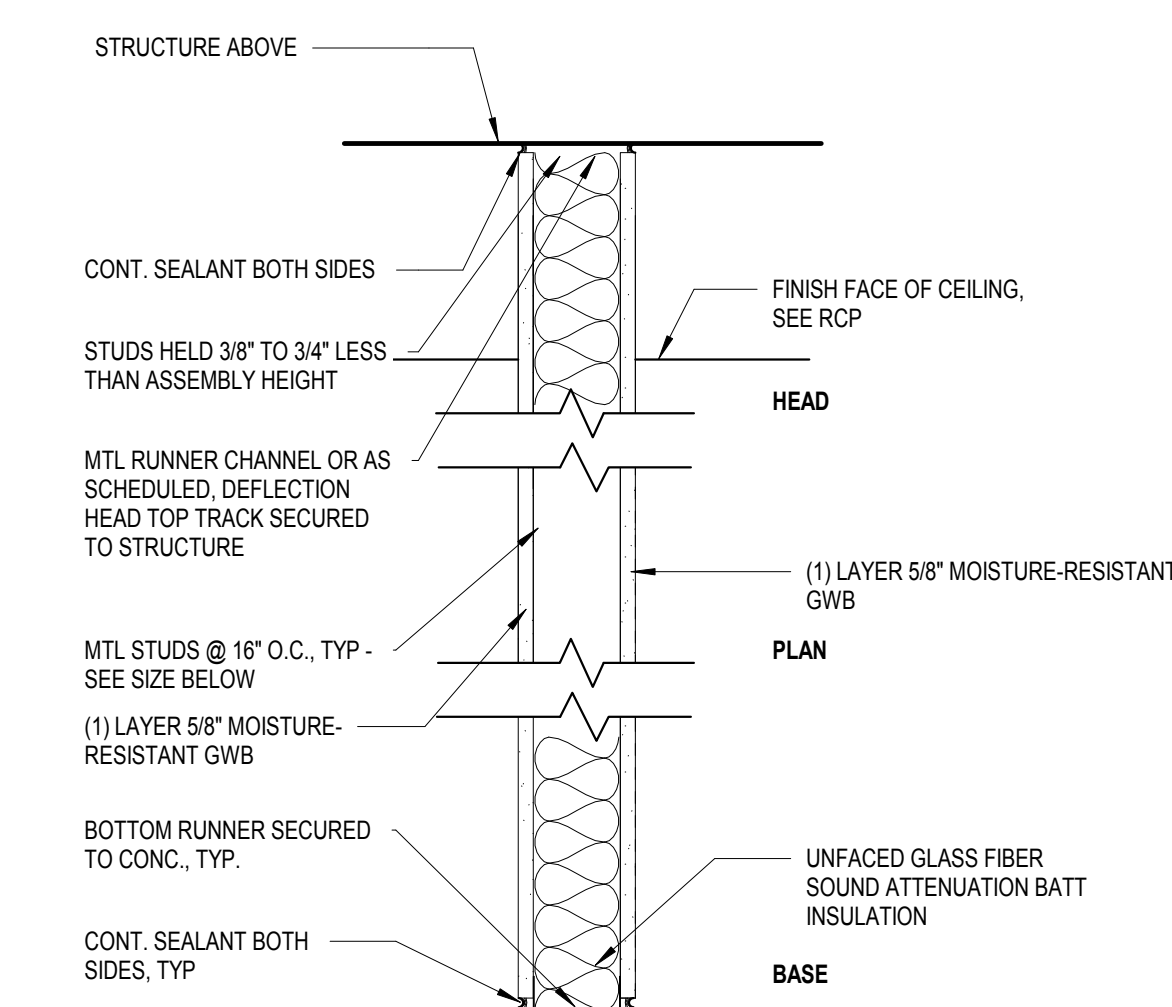
TYPE	STUD TYPE	FIRE RESIST. TEST	STC RATING	OTHER CRITERIA
C18	8" CMU	U905		1 HR. RATED CMU WALL
C28	8" CMU	U905		2 HR. RATED CMU WALL

**C18 - MASONRY PARTITION**  
1 1/2" = 1'-0"



TYPE	STUD TYPE	FIRE RESIST. TEST	STC RATING	OTHER CRITERIA
Y04	WD 2"x4"			

**Y04 - WD STUD, WD PANEL PARTITION**  
1 1/2" = 1'-0"

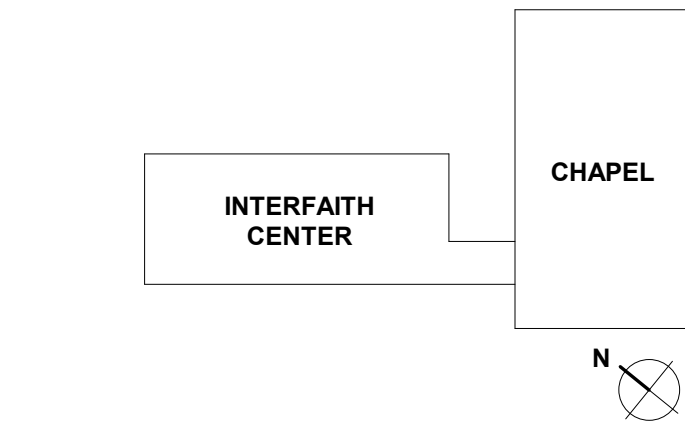


TYPE	STUD TYPE	FIRE RESIST. TEST	STC RATING	OTHER CRITERIA
T01	3/4"			FURRING PARTITION (1) LAYER 5/8" MOISTURE-RESISTANT GWB ON WET ROOM SIDE.
T04	3 1/2"			(1) LAYER 5/8" MOISTURE-RESISTANT GWB ON WET ROOM SIDES, (1) LAYER 5/8" STANDARD GWB ON NON-WET ROOMS, 3-1/2" UNFACED GLASS FIBER SOUND ATTENUATION BATT INSULATION
T04A	3 1/2"			FURRING PARTITION (1) LAYER 5/8" MOISTURE-RESISTANT GWB ON WET ROOM SIDE.
T08	7 1/4"			(1) LAYER 5/8" MOISTURE-RESISTANT GWB ON WET ROOM SIDES, (1) LAYER 5/8" STANDARD GWB ON NON-WET ROOM SIDES, 5-1/4" UNFACED GLASS FIBER SOUND ATTENUATION BATT INSULATION

**T01 - WD STUD, MOISTURE-RESISTANT DRYWALL PARTITION**  
1 1/2" = 1'-0"

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DRAWING INFORMATION	
ISSUE DATE:	04/28/17
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JOB NO.:	21641.00
DRAWN BY:	ASG

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**FINISH SCHEDULE**

DRAWING NUMBER  
**A9.30**

FINISH SCHEDULE

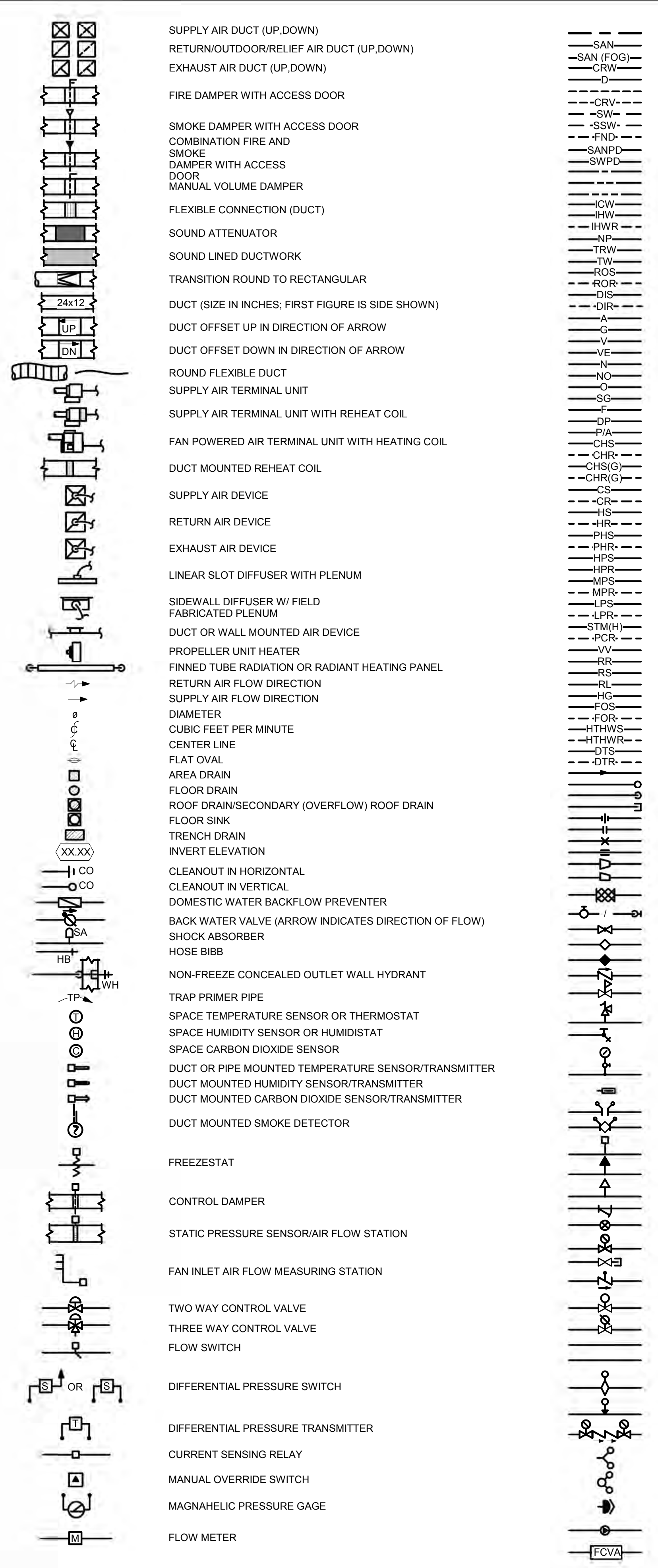
Key Name	Material	Manufacturer (Basis of Design)	Style	Color	Size	Location	Remarks
<b>1-FLOOR</b>							
CPT-1	CARPET TILE	SHAW	MICA TILE, ASHLAR INSTALLATION	SMOKY QUARTZ	18X36	OFFICES	ALLOW \$30/SY MATERIAL COST
CPT-2	CARPET TILE	SHAW	QUARTZ TILE, ASHLAR INSTALLATION	SMOKY QUARTZ	18X36	WORK ROOM	ALLOW \$30/SY MATERIAL COST
CPT-3	CARPET TILE	INTERFACE	HUMAN NATURE, HN 830, ASHLAR INSTALLATION	BONE 104244	25CM X 1M	QUIET LOUNGE BORDER	ALLOW \$30/SY MATERIAL COST
CPT-4	CARPET TILE	INTERFACE	URBAN RETREAT, UR 304, BRICK INSTALLATION	STRAW / BLUE 103659	50CM X 50CM	QUIET LOUNGE INSET	ALLOW \$40/SY MATERIAL COST
CPT-5	CARPET TILE	SHAW	UNCOVER TILE, ST150, ASHLAR INSTALLATION	BURNISHED PEWTER, 50516	9X36	HILLEL BORDER AND OFFICES	ALLOW \$40/SY MATERIAL COST
CPT-6	CARPET TILE	INTERFACE	WORLD WOVEN, WW895, ASHLAR INSTALLATION	HIGHLAND WEAVE, 105377	25CM X 1M	HILLEL INSET	
CPT-7	WALK-OFF MAT	TANDUS CENTIVA	ASSERTIVE ACTION 04837, BRICK INSTALLATION	LEAD SHOT, 26207	24X24	ENTRY	ALLOW \$20/SY MATERIAL COST
CPT-8	CARPET TILE	SHAW	DYE LAB, 5T041, BRICK INSTALLATION	INDIGO, 41496	24X24	GREAT ROOM INSET	
CPT-9	CARPET TILE	INTERFACE	HUMAN NATURE, HN 830, ASHLAR INSTALLATION	COBALT 104240	25CM X 1M	LOBBY INSET BORDER	
CPT-10	CARPET TILE	INTERFACE	HUMAN NATURE, HN 840, ASHLAR INSTALLATION	EARTH 104227	25CM X 1M	LOBBY INSET FIELD	
CPT-11	CARPET TILE	INTERFACE	PIN LINE, BRICK INSTALLATION	STRAW	50CM X 50CM	PRAYER ROOMS - INSTALLED AT 45 DEGREE ANGLE TO ROOM	
CPT-12	BROADLOOM CARPET	SHAW	SHADOW PLUSH 5A127	MUSE 24110	12'	PRAYER LOBBY	
PTF-1	PORCELAIN TILE FLOOR	MOSAIC TILE	SPEAK EASY AV283, 1/3 ASHLAR INSTALLATION	SWEET GEORGIA BROWN	6X36	LOBBY / GREAT ROOM / KITCHEN / DINING	ALLOW \$8/SF MATERIAL COST
PTF-2	PORCELAIN TILE FLOOR	ARCHITECTURAL CERAMICS	WOOD STOCK, 1/3 ASHLAR INSTALLATION	VANILLA	6X36	BATHROOMS	ALLOW \$6/SF MATERIAL COST
PTF-3	PORCELAIN TILE FLOOR	NOVABELL IMPERIAL	HONED RECTIFIED, BRICK INSTALLATION	CREMA	24X48	ABLUTION AREAS	ALLOW \$8/SF MATERIAL COST
SCO	SEALED CONCRETE	-	SEALED CONCRETE			BUILDING SUPPORT/TELCOM/JANITOR	
<b>2-BASE</b>							
RBB-1	RUBBER BASE	JOHNSONITE	COVE BASE		4" HIGH ROLL	BUILDING SUPPORT/TELCOM/JANITOR/OFFICES/CORRIDOR 000A	
WDB-1	WOOD BASE		CHERRY, QUARTER SAWN	STAIN COLOR TBD	6" HIGH X 5/8" TH.	LOBBY/CORRIDOR 101/GREAT ROOM104/KITCHEN 103/DINING 102, PRAYER ROOMS, PRAYER LOBBY, HILLEL, WORKROOM	
WDB-2	WOOD BASE		MATCH EXISTING AT CHAPEL	STAIN TO MATCH EXISTING AT CHAPEL		CHAPEL	
<b>3-WALL</b>							
CTW-1	CERAMIC TILE WALL	DALTILE	ELEVARE	WHITE	4X16	BATHROOM WALLS	
CTW-2	CERAMIC TILE WALL	NOVABELL IMPERIAL	PROVENZALE	CREMA	12X12 SHEET OF MOSAICS	ABLUTION AREA WALLS	ALLOW \$15/SF MATERIAL COST
GTW-1	GLASS TILE WALL	TILE BAR	KERRIE	KELLY BLUE	12X12 SHEET OF MOSAICS	KITCHEN BACKSPLASH - FULL HEIGHT - REFER TO ELEVATIONS, DINING ROOM BACKSPLASH	ALLOW \$15/SF MATERIAL COST
PLW-1	PLASTIC LAMINATE WALL PANEL	WILSONART PREMIUM AEON				ELEVATOR CAB	
TWS-1	TACKABLE WALL SURFACE	FORBO BULLETIN BOARD		2206 OYSTER SHELL	6MM	LOBBY 101 CORRIDOR	
WDP-1	WOOD PANELING	CUSTOM	MATCH EXISTING AT CHAPEL	STAIN TO MATCH EXISTING AT CHAPEL		CHAPEL	
<b>4-CEILING</b>							
APC-1	ACOUSTIC PANEL CEILING	ARMSTRONG	CIRRUS TEGULAR		24X24 WITH 9/16" GRID	OFFICES, CORRIDOR 000A	
APC-2	ACOUSTIC PANEL CEILING	ARMSTRONG	OPTIMA SQUARE TEGULAR		30X60 WITH 9/16" GRID	DINING, LOBBY, HILLEL	
ECO	EXPOSED CEILING	-	-	-	-	MECH / ELEC / CUSTODIAL	
GWB	PAINTED GYPSUM WALL BOARD	-	-	-	PT-2, UNLESS OTHERWISE NOTED		
<b>4-MISC</b>							
RSS-1	RECESSED SOLAR SHADE - MANUAL	LUTRON	SHEER WEAVE 2390 - 5%	BASKETWEAVE 90		ALL WINDOWS, U.N.O.	
SC-1	SHOWER CURTAIN - @ SHOWER	IINPRO CLICKEZE	SUPER BIO STAT	WHITE		SHOWER ENCLOSURE	
<b>5-MILLWORK</b>							
QTZ-1	QUARTZ COUNTERTOP	ZODIAQ		CALACATTA NATURA	2CM	KITCHEN AND DINING COUNTERTOPS	
SS-1	SOLID SURFACE	HI-MACS		IVORY WHITE S29	2CM	WINDOW SILLS	
SS-2	SOLID SURFACE	CORIAN		GLACIER ICE	2CM	ABLUTION FLOOR SINKS	
SS-3	SOLID SURFACE	CORIAN		DUNE PRIMA	2CM	WORK ROOM COUNTERTOP	
WD-1	WOOD		CHERRY, QUARTER SAWN	STAIN COLOR TBD	VARIES	COLUMN SURROUNDS, CEILING TRIM, WINDOW TRIM, BUILT-IN MILLWORK, LOBBY SCREEN	
WDT-1	WOOD TREAD	WINDFALL LUMBER	CHERRY, SIDE GRAIN	STAIN COLOR TBD	1" TH.	STAIR TREADS WITH INTEGRATED METAL NOSING	
<b>6-PAINT</b>							
P-1	PAINT	SHERWIN WILLIAMS	EGGSHELL FINISH	SW 7570 EGRET WHITE		WALLS THROUGHOUT, UNLESS OTHERWISE NOTED	
P-2	PAINT	SHERWIN WILLIAMS	FLAT FINISH	SW 7008 ALABASTER		GYP BOARD CEILING/SOFFIT THROUGHOUT, UNLESS OTHERWISE NOTED	
P-3	PAINT	SHERWIN WILLIAMS	SEMI-GLOSS FINISH	SW 6531 INDIGO		BATHROOM WALLS	
P-4	PAINT	SHERWIN WILLIAMS	EGGSHELL FINISH	TBD		ACCENT WALLS - LOCATION TBD	
P-5	PAINT	SHERWIN WILLIAMS	EGGSHELL FINISH	TBD		ACCENT WALLS - LOCATION TBD	



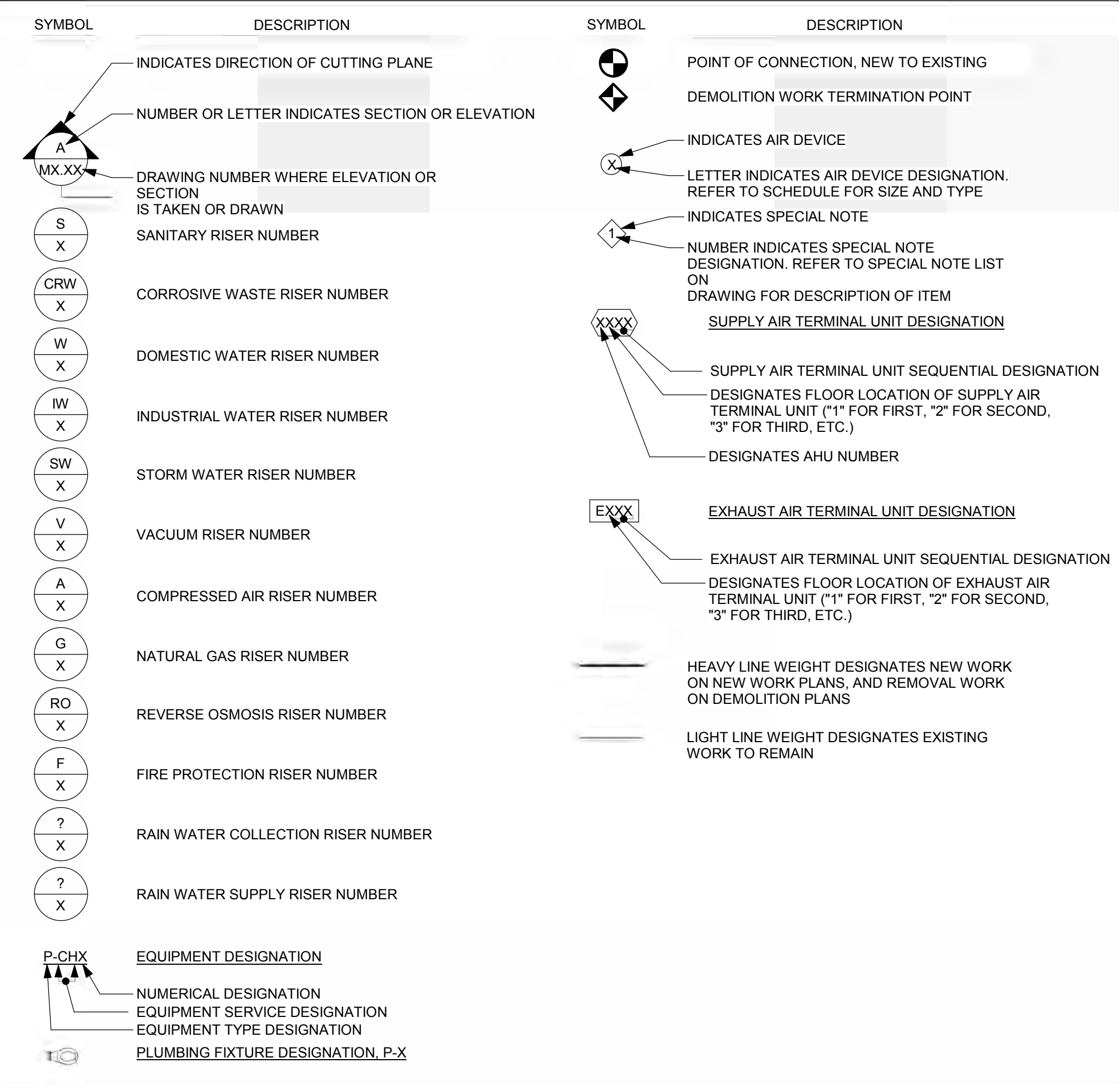
ABBREVIATIONS

Table of abbreviations including terms like ABBREV, ABD, ABV, A/C, ACD, AD, AFF, AHU, ALUM, APD, APPROX, ARCH, ARRG, AST, ATC, ATM, ATU, AVG, AWT, BAS, BIV, BHP, BLDG, BOP, BTM, BTUH, BFP, C, CAV, CC, CD, CLG, CO, CO2, COMP, CONC, CONN, CONT, CP, CPT, CU FT, CUH, CYN, CW, D, DB, DBA, DBL, DCP, DDC, DESIG, DF, DFU, DIA, DIFF, DN, DW, DWG, EA, EAT, EDB, EFF, EG, EJ, ELEC, ELEV, EMD, ENT, ESP, ETC, EWB, EWC, EWT, EX, EXP, F, FAT, FCU, FCVA, FD, FDC, FF, FHC, FHV, FL, FND, FOD, FOT, FPI, FPM, FPS, FS, FT HD, FTR, GA, GAL, GALV, GPH, GPM, H, HED, HP, H.P., HVAC, HW, HWR, HZ.

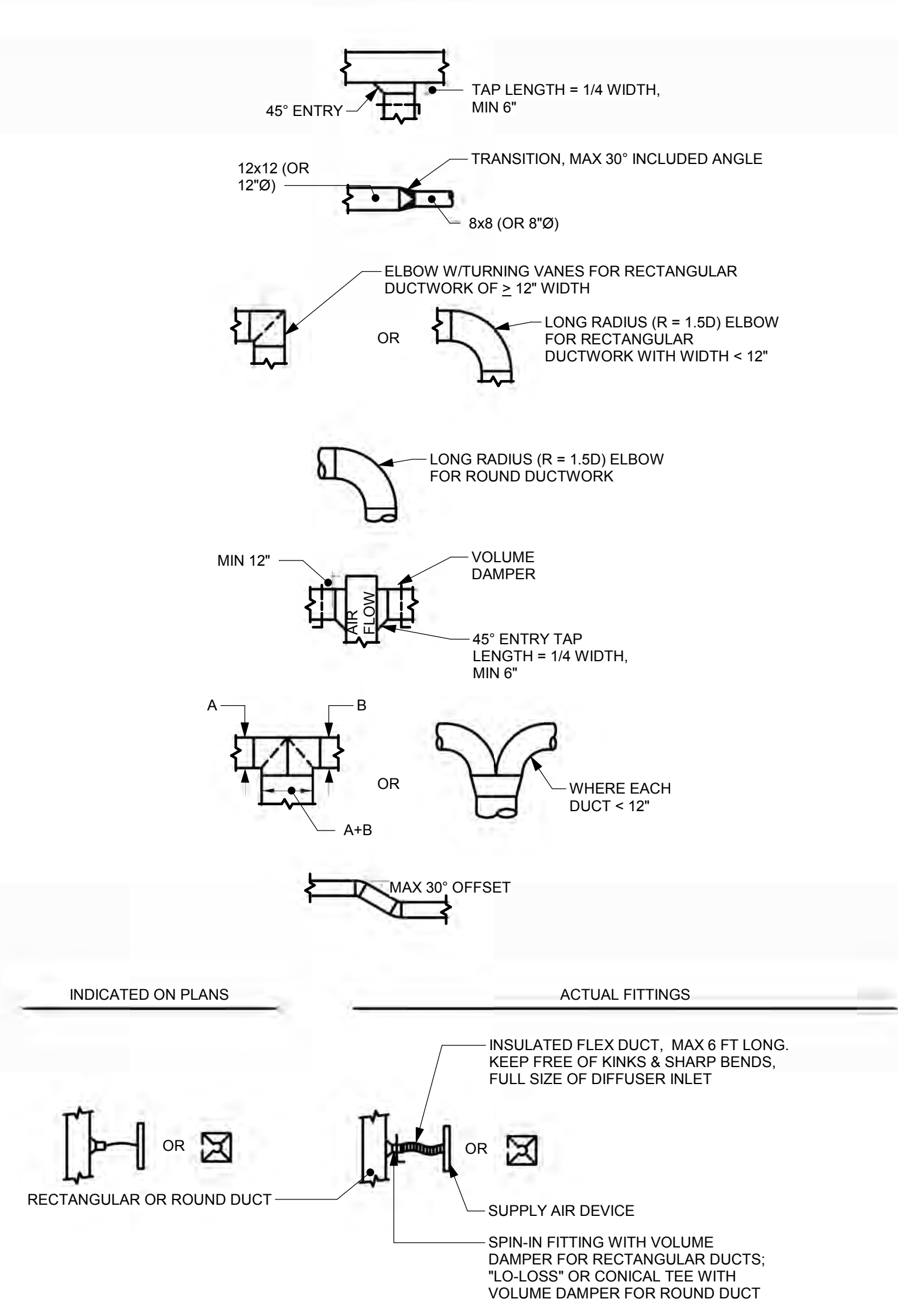
SYMBOLS



DRAWING CONVENTIONS



DUCTWORK CONVENTIONS

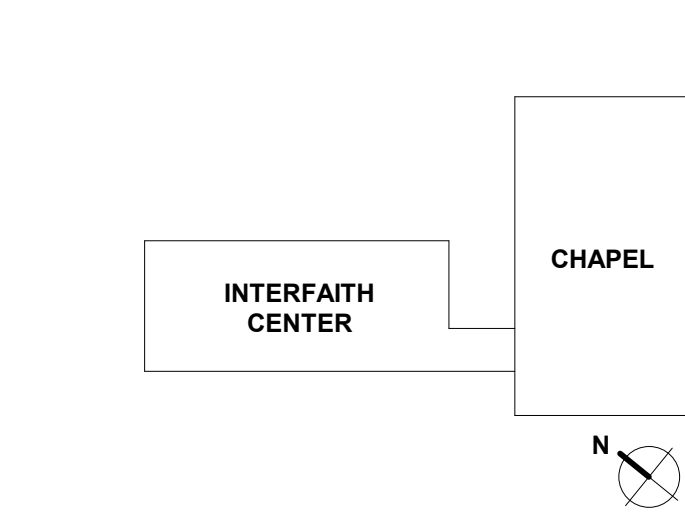


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- ARCHITECT: AYERS SAINT GROSS
M/E/P & FIRE PROTECTION ENGINEER: MUELLER ASSOCIATES
STRUCTURAL ENGINEER: MORABITO CONSULTANTS
LANDSCAPE ARCHITECT: AYERS SAINT GROSS
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Table with columns: REV.#, DESCRIPTION, DATE. It lists several revisions to the drawing.

KEY PLAN



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Table with drawing information: ISSUE DATE (04/28/17), SCALE (1/8" = 1'-0"), JOB NO. (21641.00), DRAWN BY (EJD).

PROJECT DESIGN PHASE: 50% CONSTRUCTION DOCUMENTS

DRAWING NAME: LEGEND

DRAWING NUMBER: M0.01

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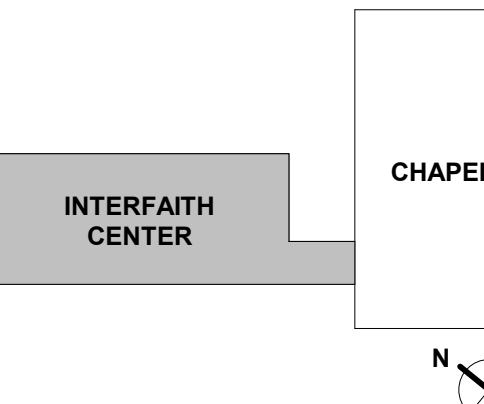
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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

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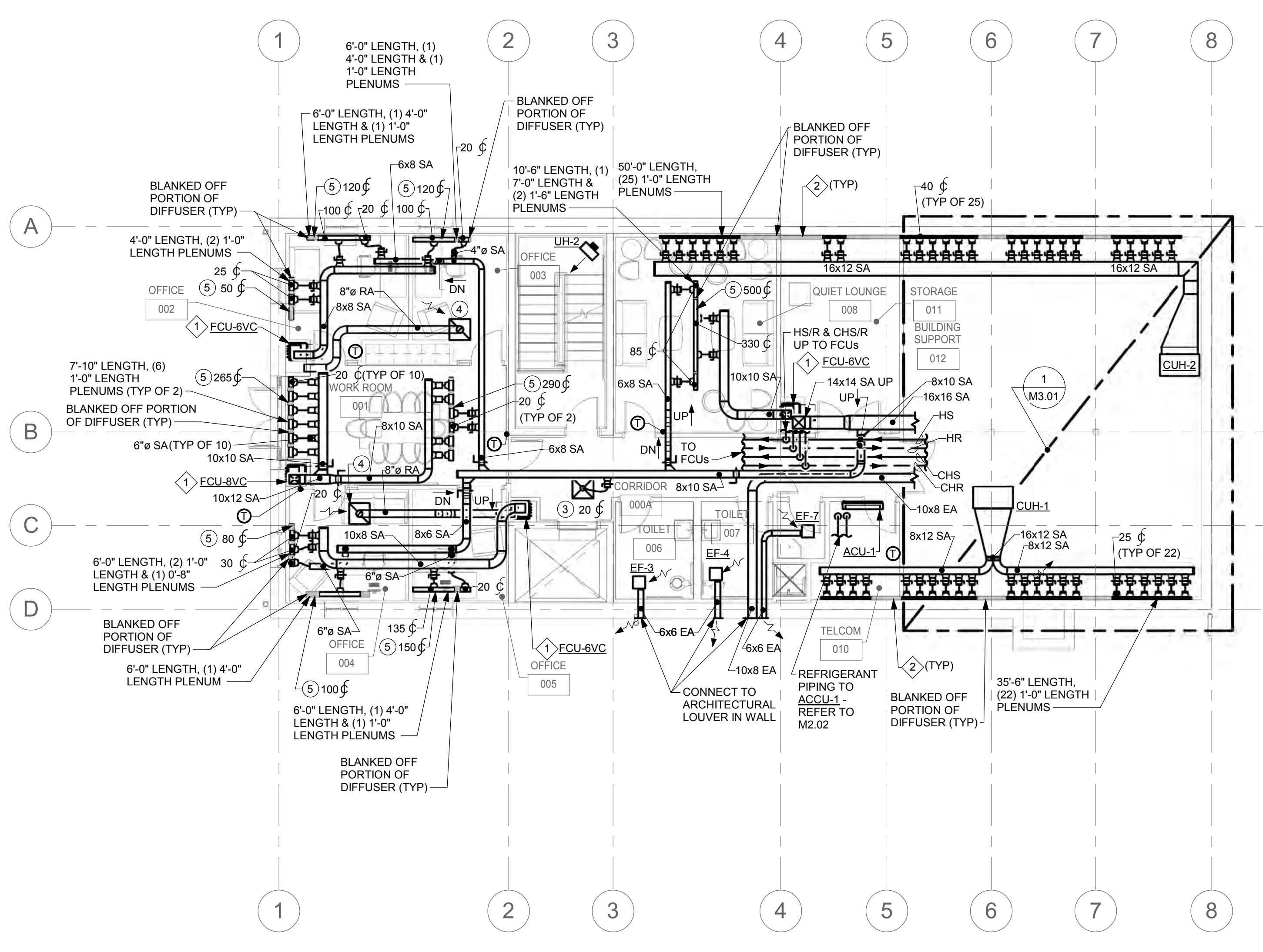
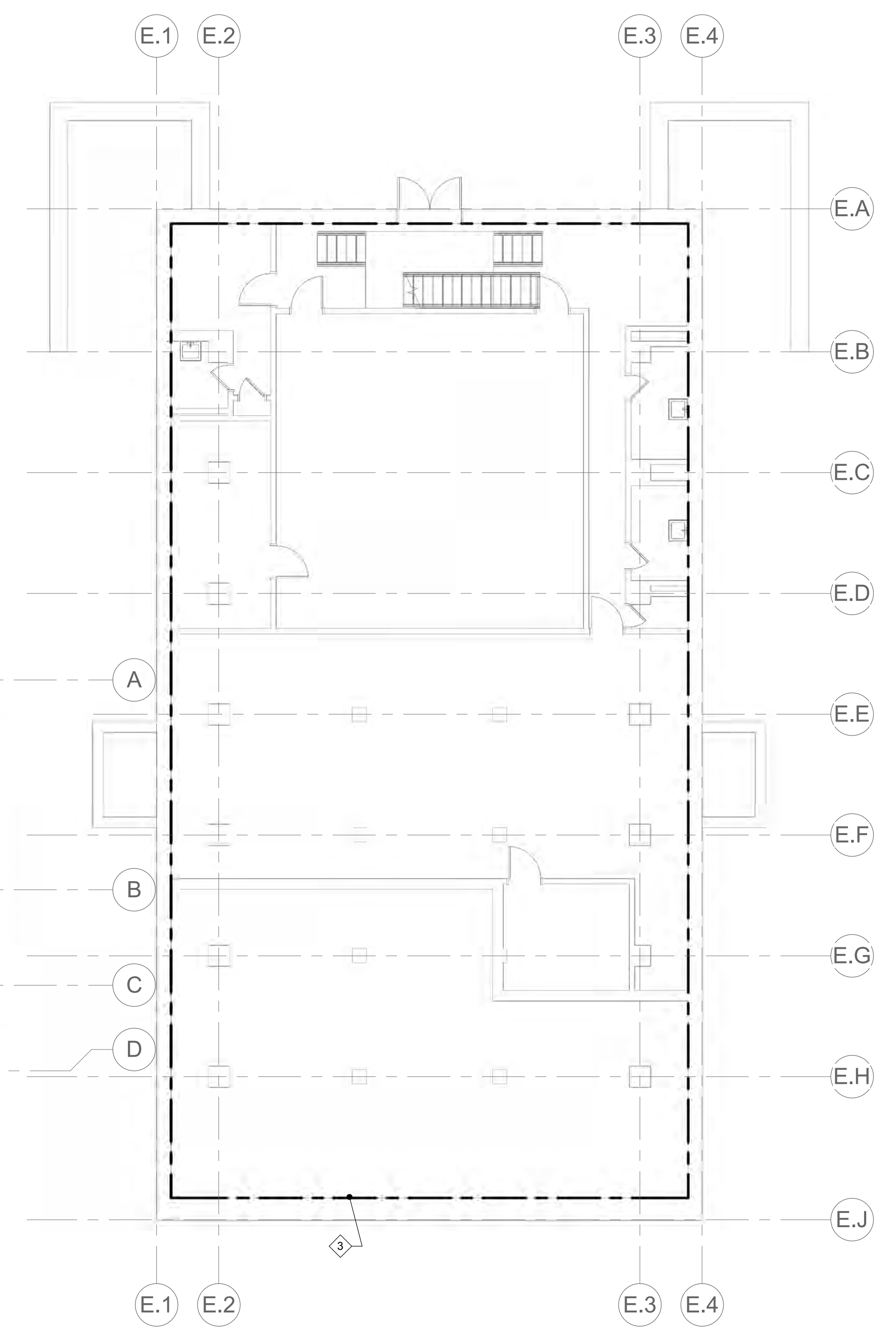
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ISSUE DATE:	04/28/17
SCALE:	1/8" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	CBH

PROJECT DESIGN PHASE  
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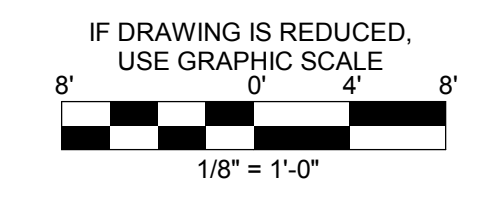
DRAWING NAME  
**FLOOR PLAN - LOWER LEVEL - HVAC**

DRAWING NUMBER  
**M2.01**

- SPECIAL NOTES:**
- VERTICAL FAN COIL UNIT IN CLOSET. PROVIDE SIDE ACCESS PANEL WITH INTEGRAL RETURN AIR GRILLE.
  - DIFFUSER PLENUM UP THRU FLOOR TO FLOOR-MOUNTED DIFFUSER ON GROUND FLOOR ABOVE.
  - HVAC WORK WITHIN THIS AREA IS NOT IN CONTRACT.



1 FLOOR PLAN - LOWER LEVEL - HVAC  
1/8" = 1'-0"



- SPECIAL NOTES:**
- CONDENSING UNIT ON CONCRETE PAD AT GRADE. REFER TO PART PLAN ON THIS SHEET FOR FLOOR-MOUNTED AIR DISTRIBUTION.
  - FLOOR-MOUNTED DIFFUSER. REFER TO M2.01 FOR DEFINITION OF ACTIVE & INACTIVE SECTIONS.
  - VERTICAL FAN COIL UNIT IN CLOSET. PROVIDE SIDE ACCESS PANEL WITH INTEGRAL RETURN AIR GRILLE. DUCT DOWN TO RANGE HOOD.
  - 14'-0" LENGTH, (2) 5'-0" LENGTH & (1) 2'-0" LENGTH PLENUMS.
  - 5'-6" LENGTH, (1) 5'-6" LENGTH PLENUM.
  - EXCEPT FOR LIMITED WORK SHOWN ON THIS PLAN, HVAC WORK WITHIN THIS AREA IS NOT IN CONTRACT.

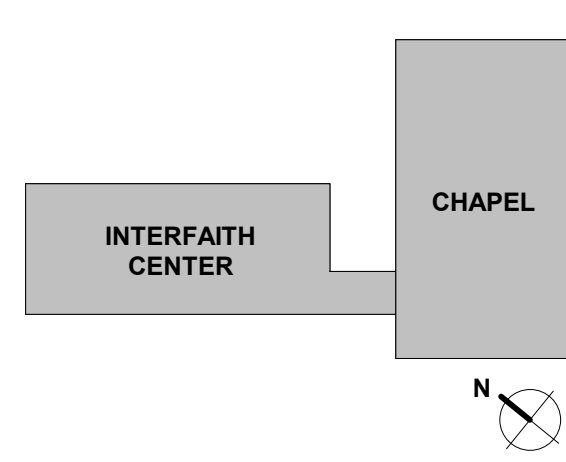
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**REVISIONS**

REV. #	DESCRIPTION	DATE

**KEY PLAN**



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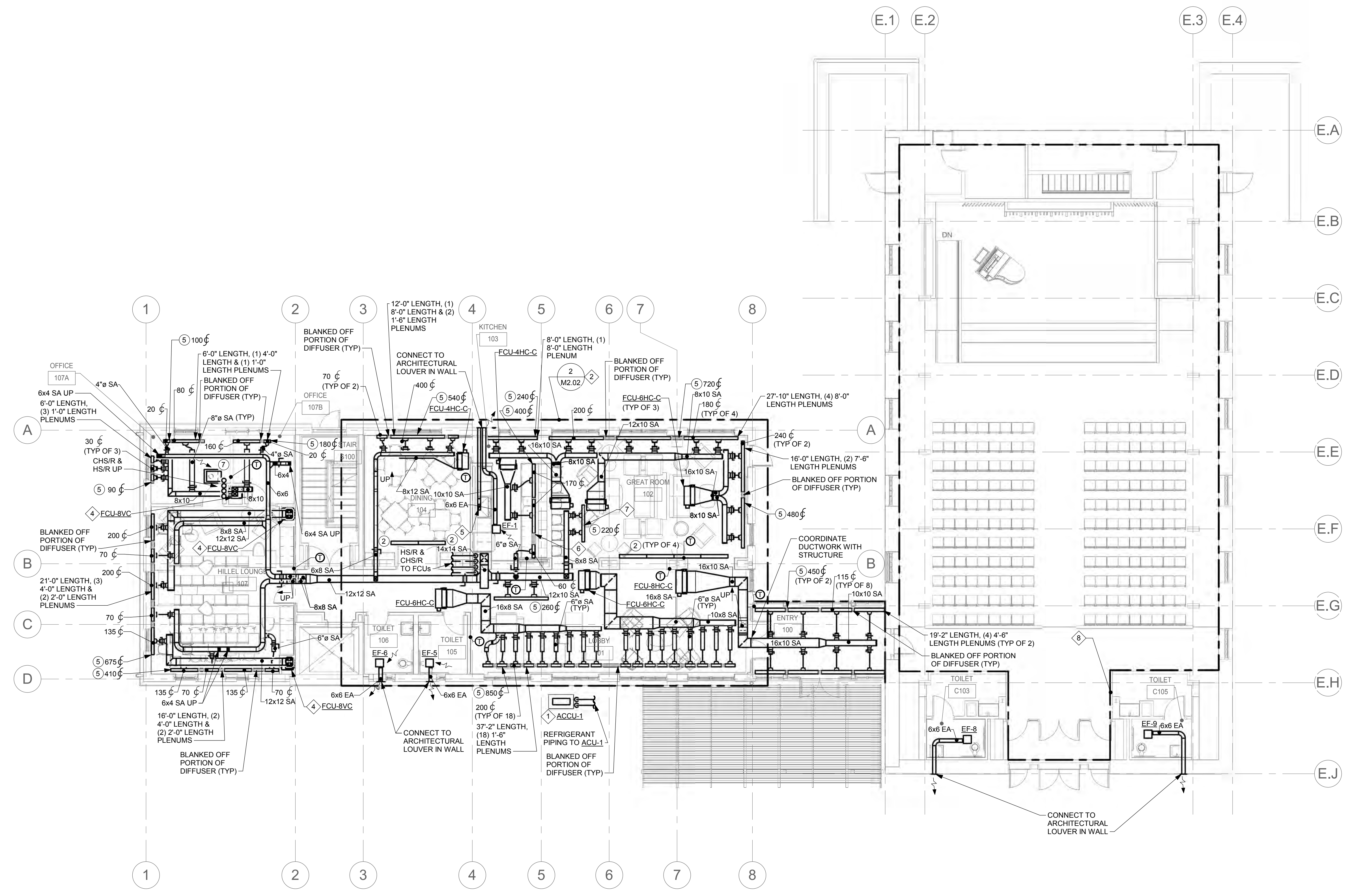
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JOB NO.:	21641.00
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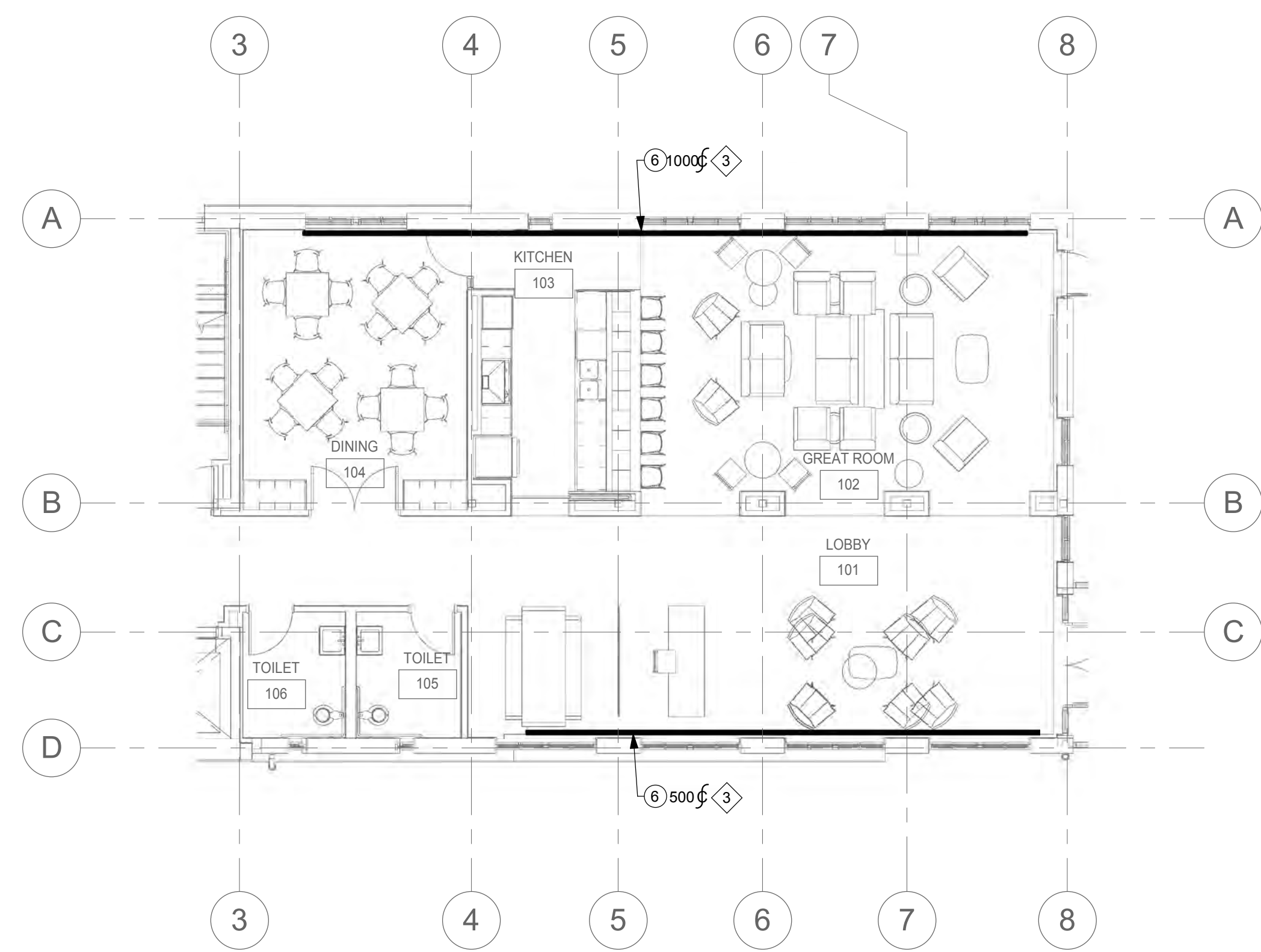
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**FLOOR PLAN - GROUND LEVEL - HVAC**

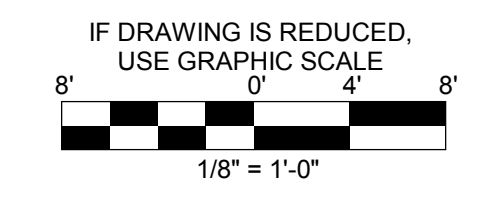
**DRAWING NUMBER**  
**M2.02**



**1 FLOOR PLAN - GROUND LEVEL - HVAC**  
M2.02 / 1/8" = 1'-0"



**2 PART FLOOR PLAN - GROUND LEVEL - HVAC**  
M2.02 / 1/8" = 1'-0"



- SPECIAL NOTES:**
- FLOOR-MOUNTED GRILLE.
  - HVAC WORK WITHIN THIS AREA IS NOT IN CONTRACT.

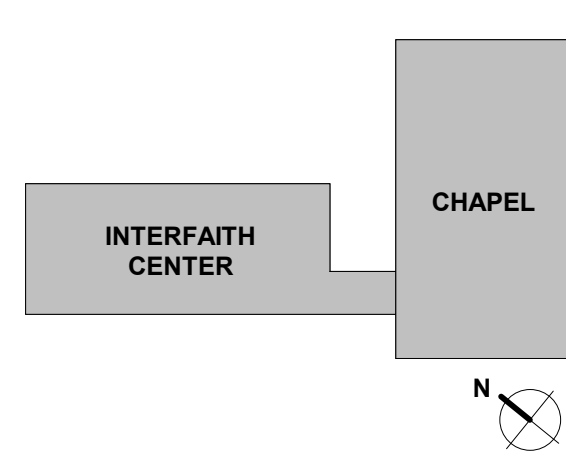
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REV. #	DESCRIPTION	DATE

KEY PLAN



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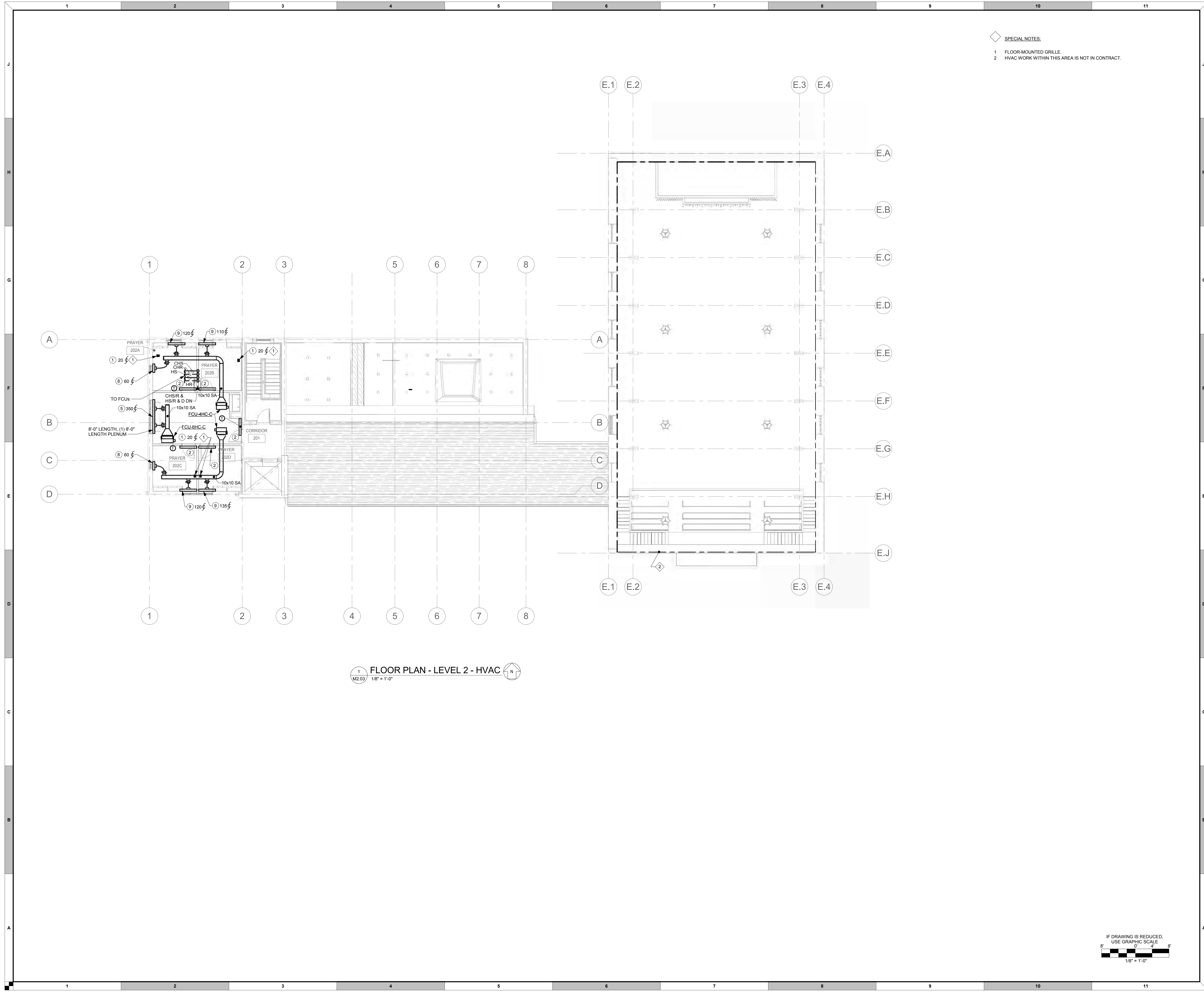
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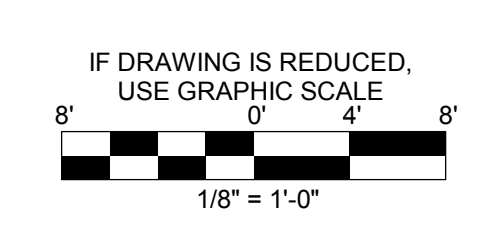
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FLOOR PLAN - LEVEL 2 - HVAC

DRAWING NUMBER  
**M2.03**



1 FLOOR PLAN - LEVEL 2 - HVAC  
M2.03 1/8" = 1'-0"



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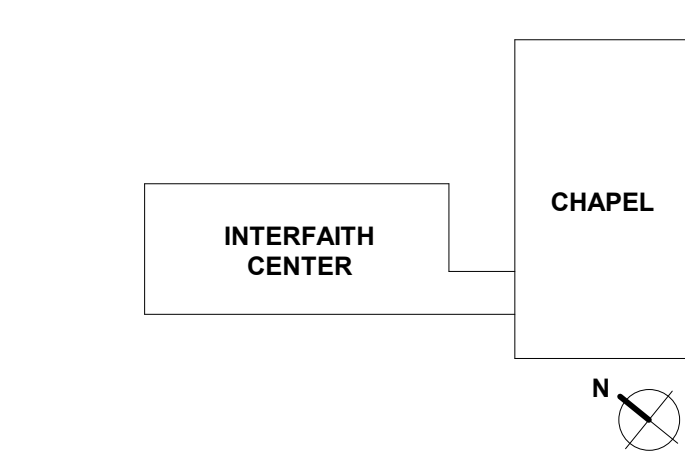
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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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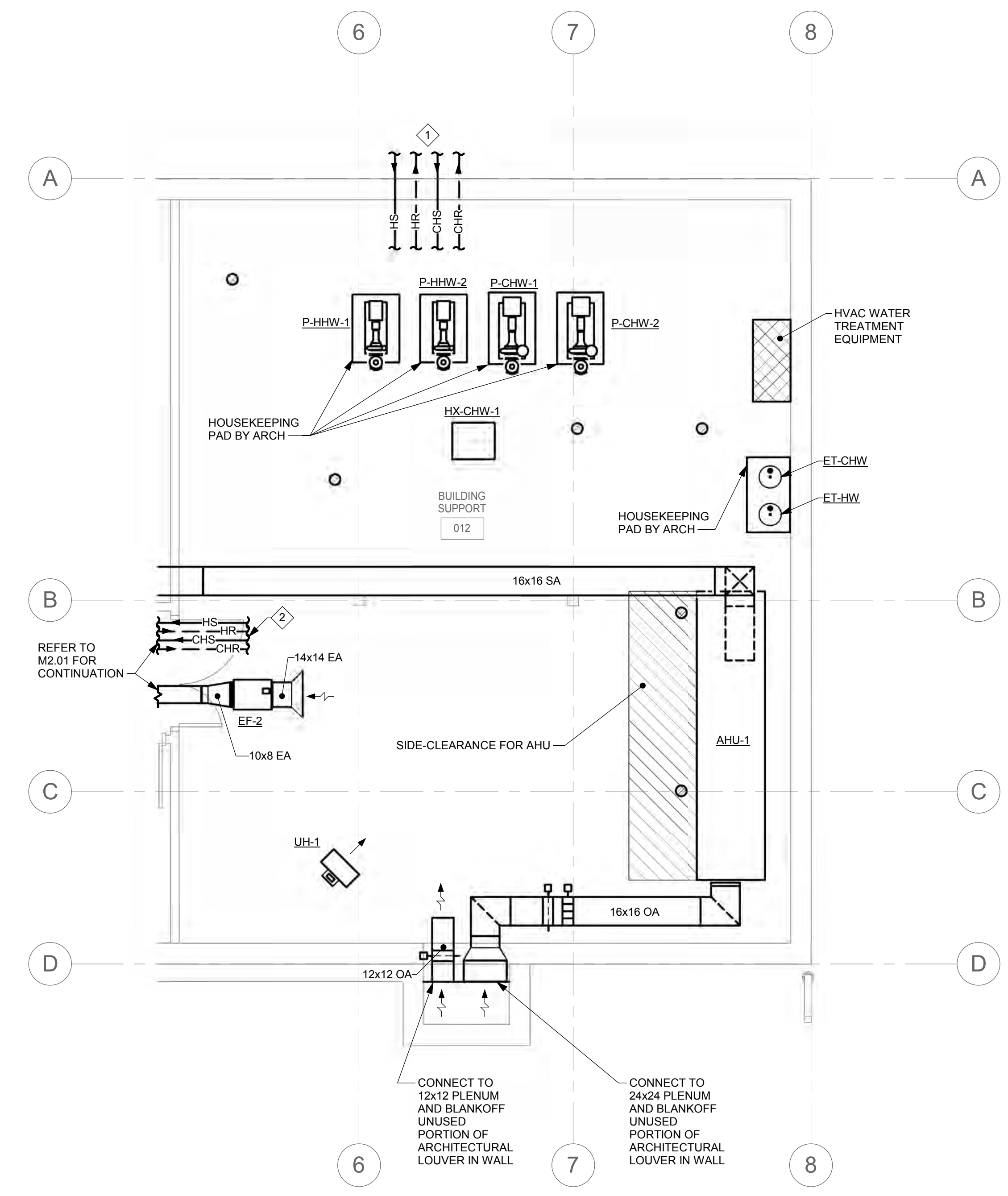
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ISSUE DATE:	04/28/17
SCALE:	1/4" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	CBH

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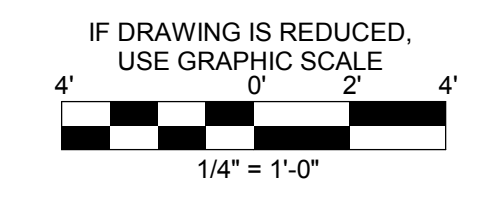
MECHANICAL ROOM PART PLAN - LOWER LEVEL - HVAC

DRAWING NUMBER M3.01

- SPECIAL NOTES:**
- 1 TO CAMPUS DISTRIBUTION LOOP - REFER TO CIVIL DRAWINGS FOR CONTINUATION.
  - 2 TO/FROM SYSTEM PUMPS - REFER TO SCHEMATICS FOR PIPING CONFIGURATION.



1 M3.01 1/4" = 1'-0"

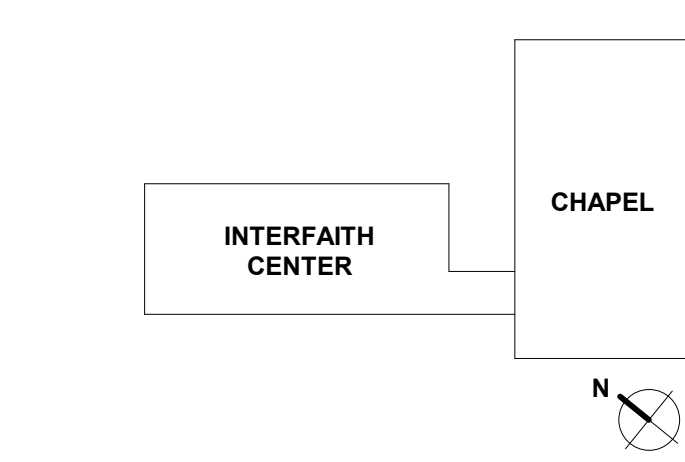


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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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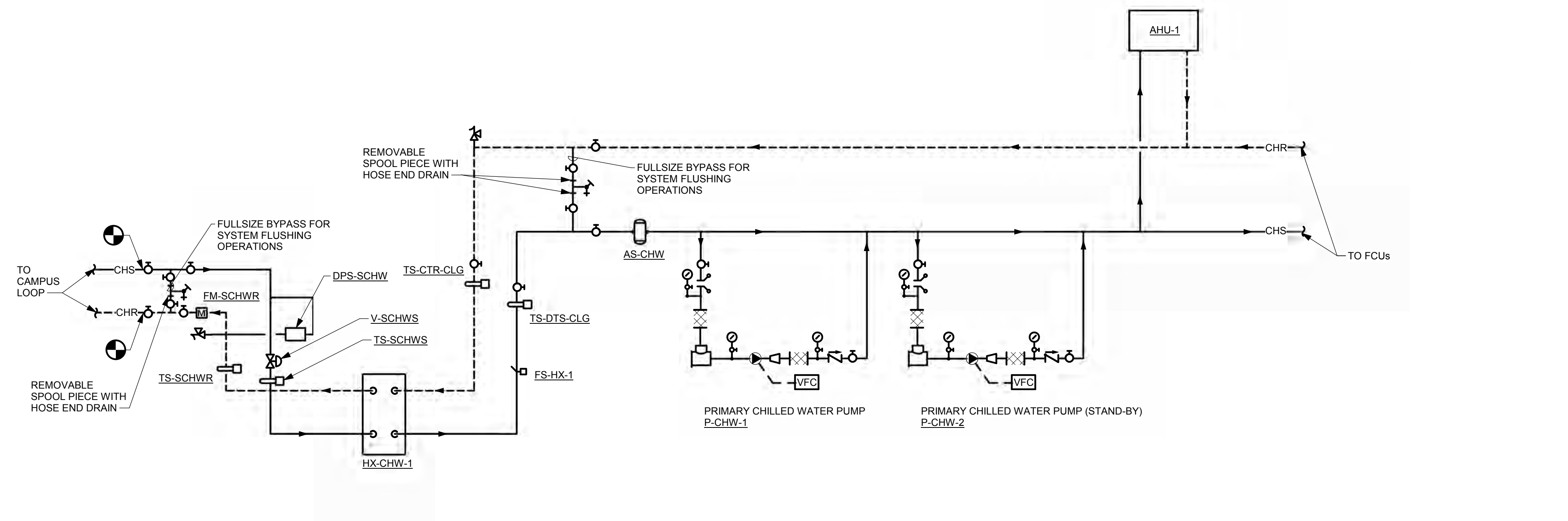
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JOB NO.:	21641.00
DRAWN BY:	CBH

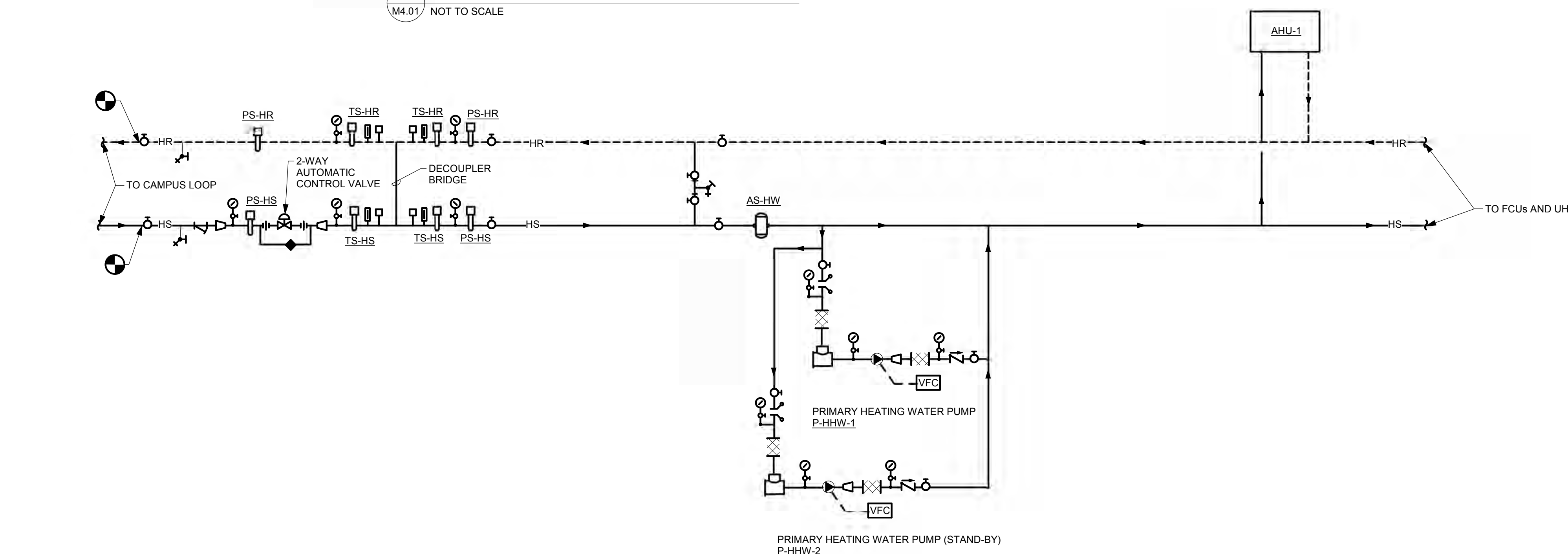
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50% CONSTRUCTION DOCUMENTS

DRAWING NAME  
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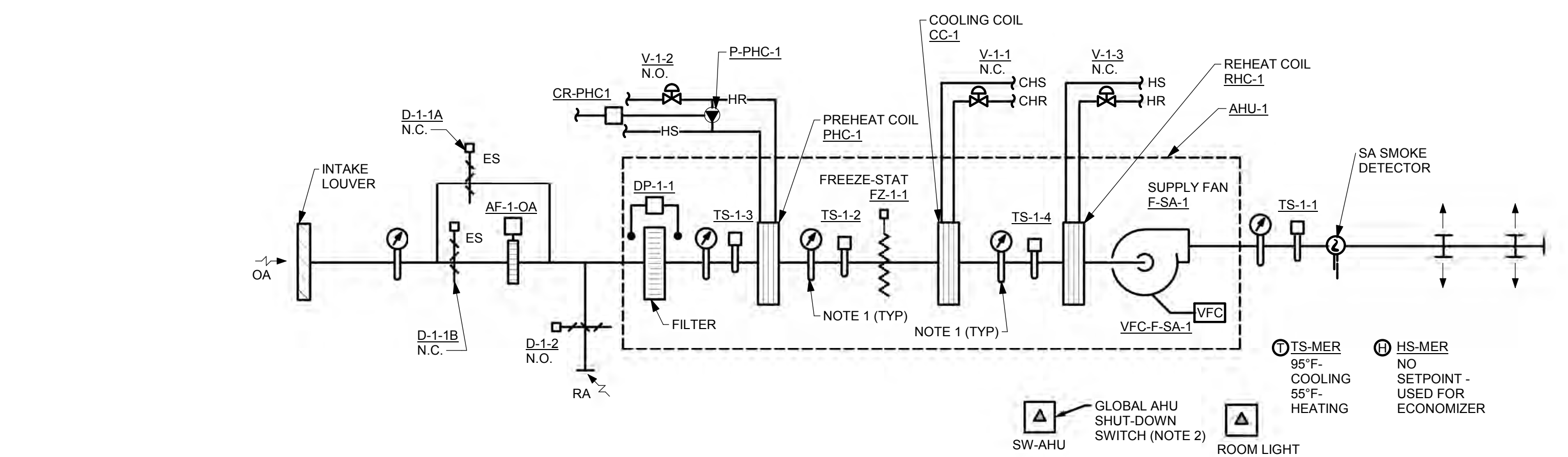
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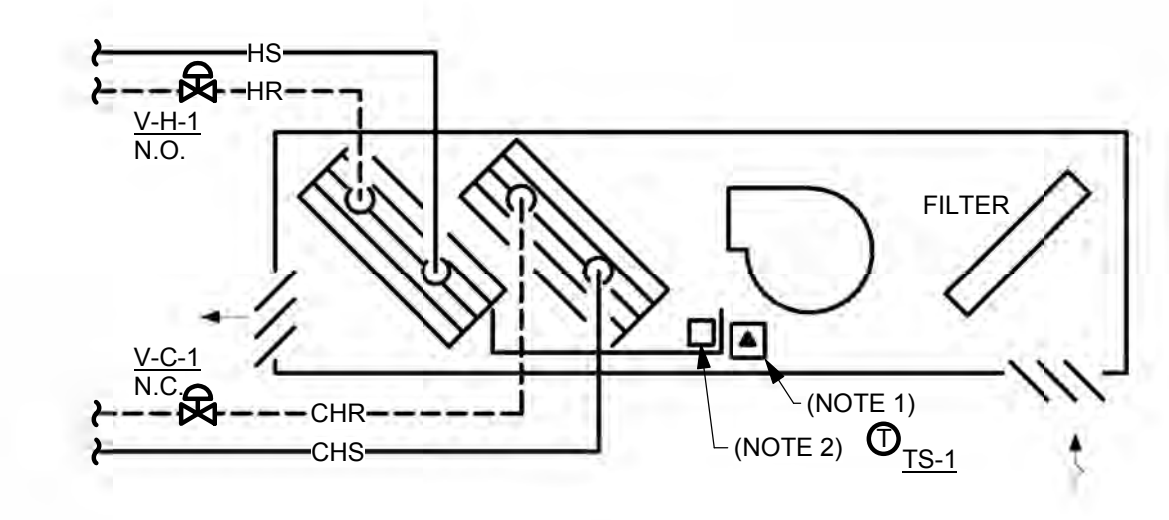
1 CHILLED WATER SYSTEM SCHEMATIC  
M4.01 NOT TO SCALE



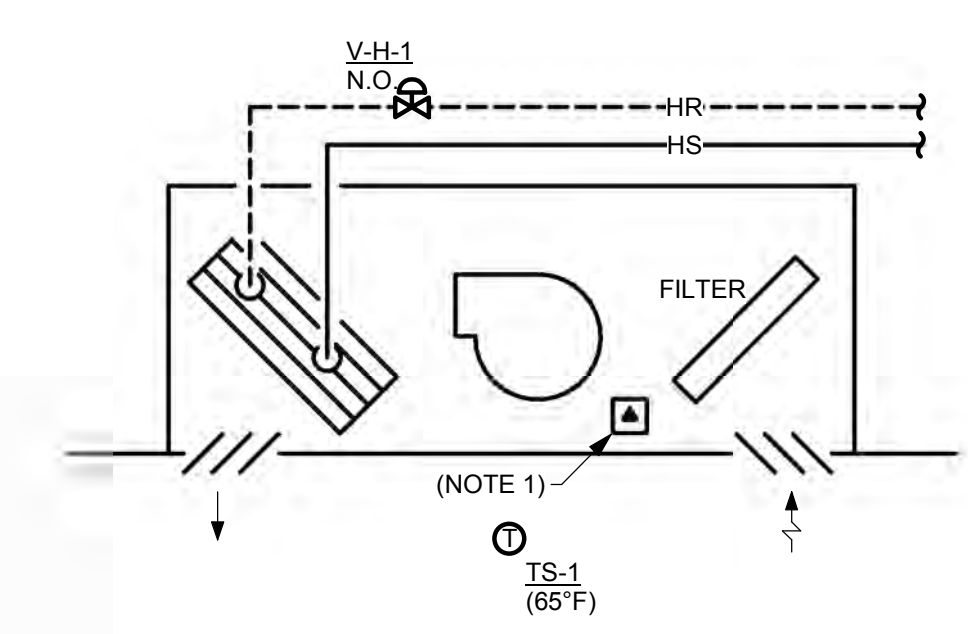
3 HEATING WATER SYSTEM SCHEMATIC  
M4.01 NOT TO SCALE



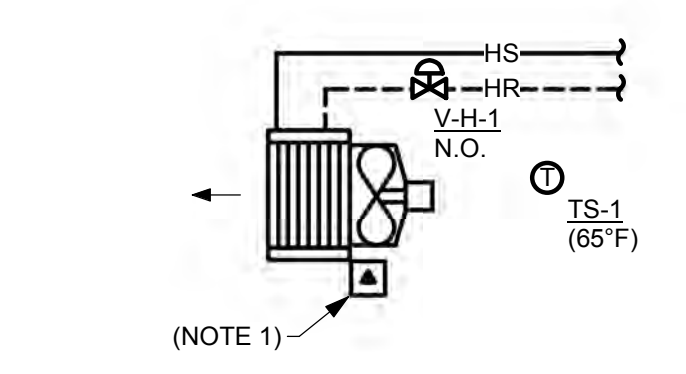
5 AHU-1 SCHEMATIC  
M4.01 NOT TO SCALE



2 FAN COIL UNIT  
M4.01 NOT TO SCALE



4 HYDRONIC CABINET UNIT HEATER  
M4.01 NOT TO SCALE



6 HYDRONIC PROPELLER UNIT HEATER  
M4.01 NOT TO SCALE

STAPLE EDGE

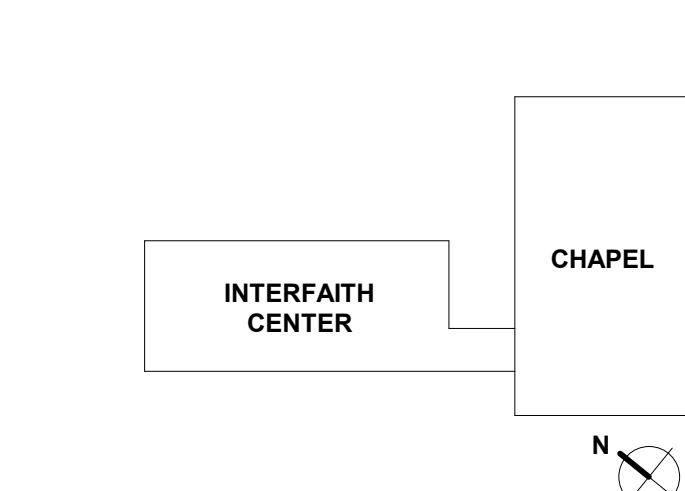
PROJECT TEAM

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REVISIONS

Table with 3 columns: REV.#, DESCRIPTION, DATE. Multiple empty rows for revisions.

KEY PLAN



ARCHITECTS + PLANNERS

NOT FOR CONSTRUCTION

Drawing information table with fields: ISSUE DATE (04/28/17), SCALE (1/8" = 1'-0"), JOB NO. (21641.00), DRAWN BY (CBH).

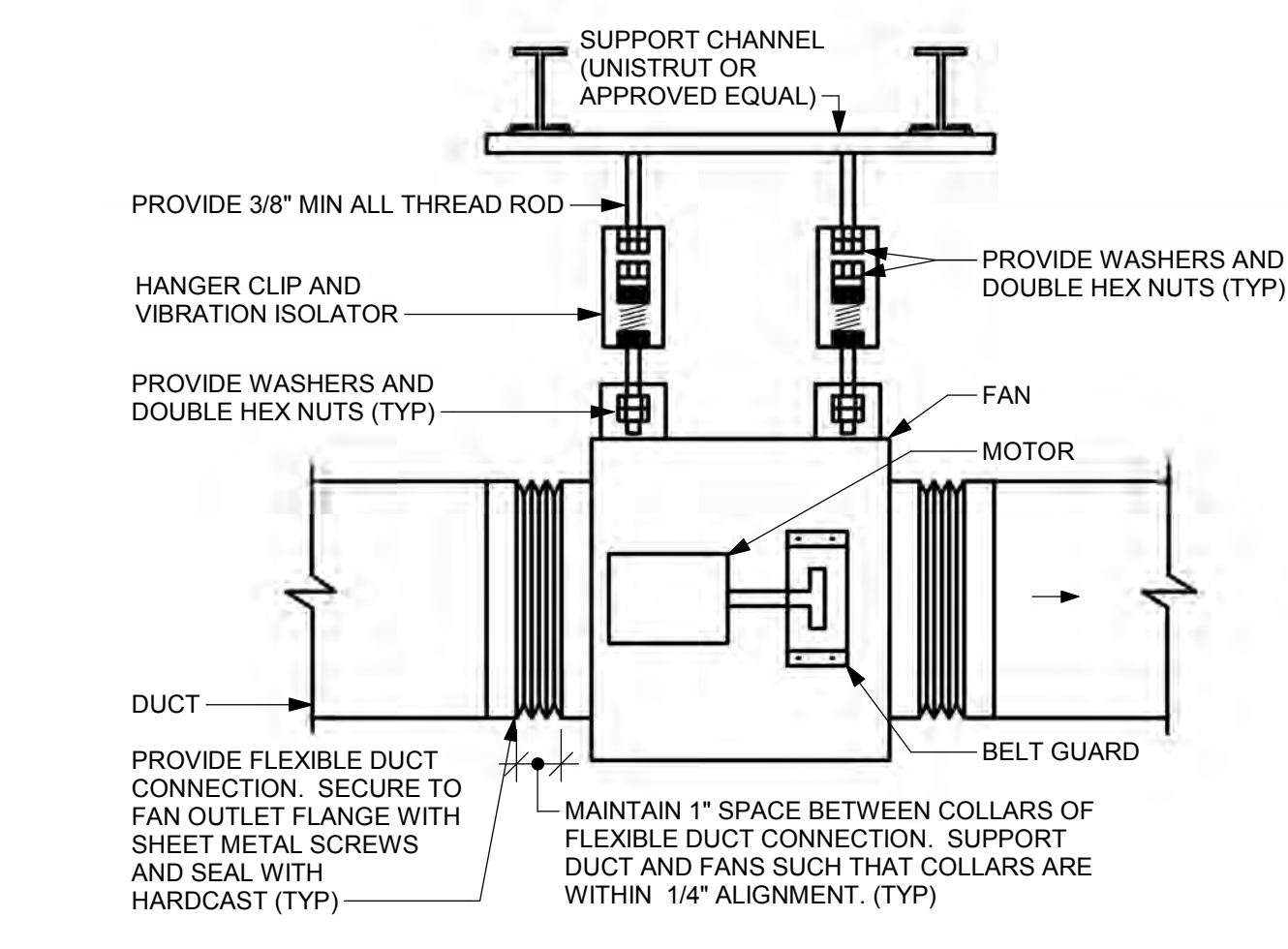
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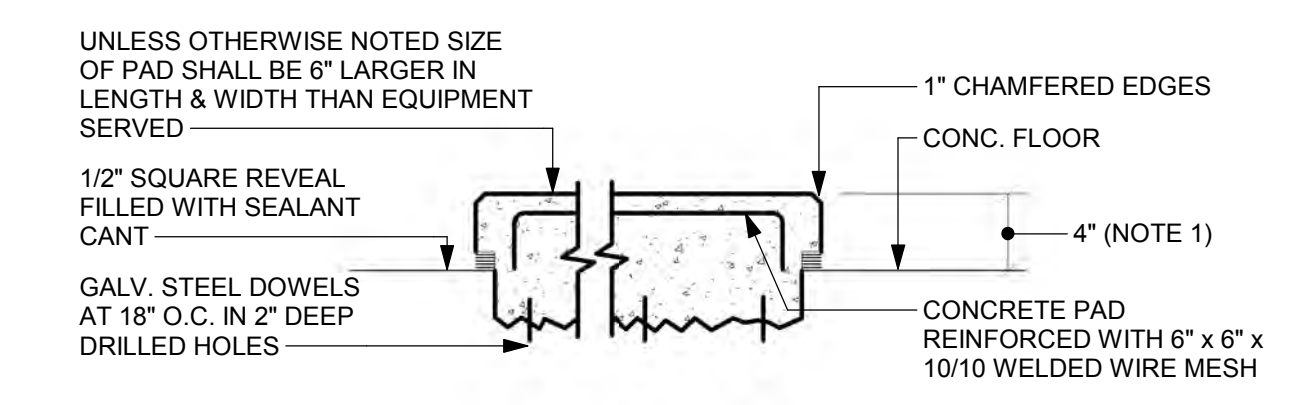
DETAILS

DRAWING NUMBER

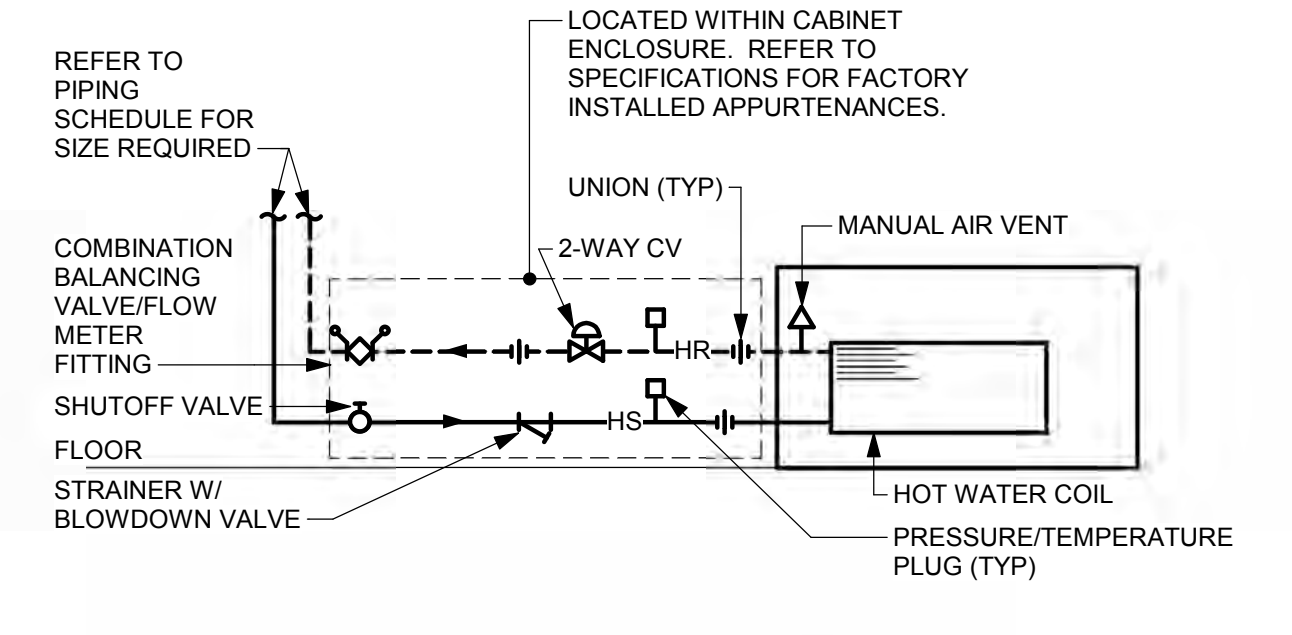
M5.01



3 IN-LINE FAN NOT TO SCALE

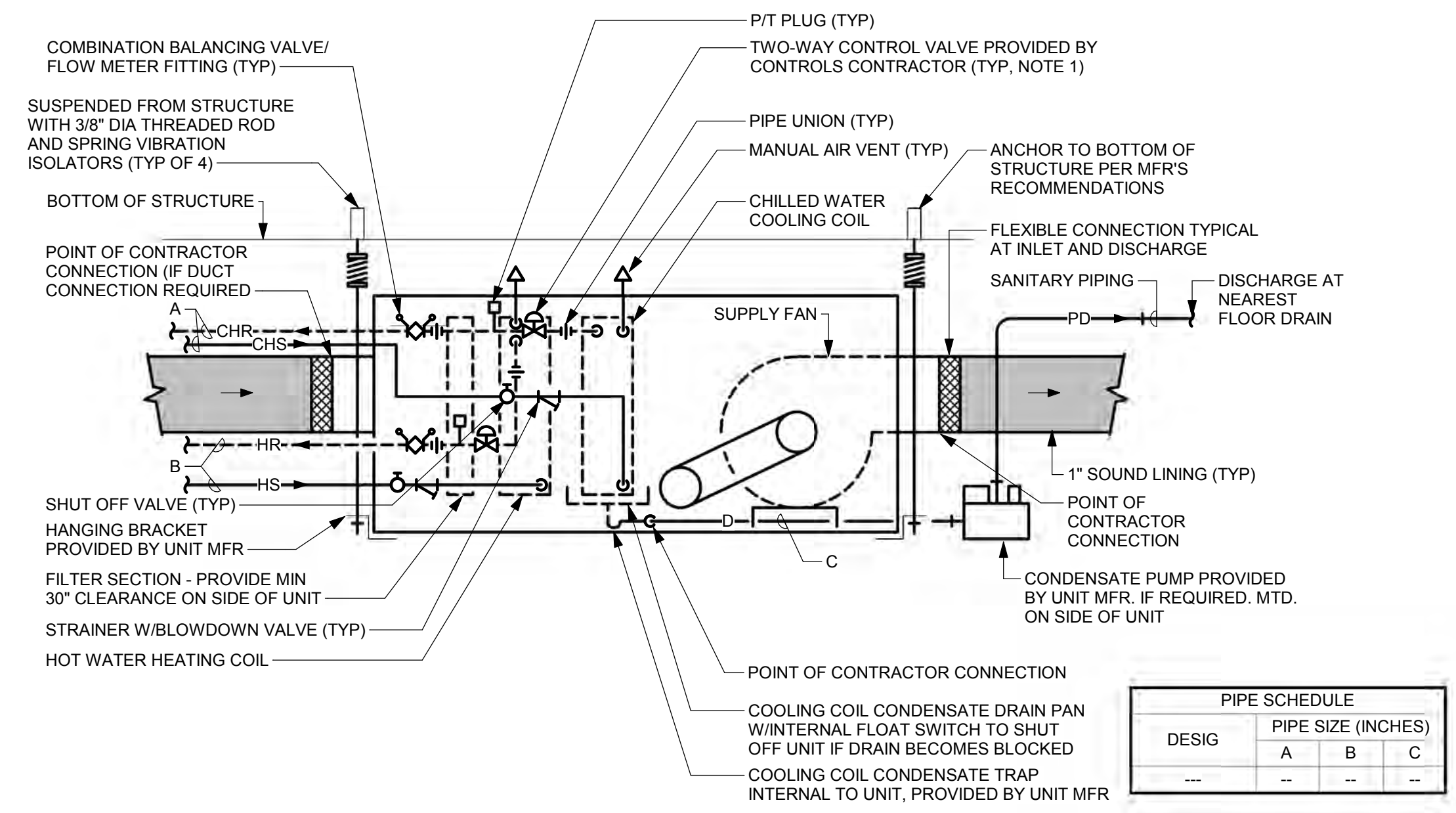


2 CONCRETE HOUSEKEEPING PAD NOT TO SCALE

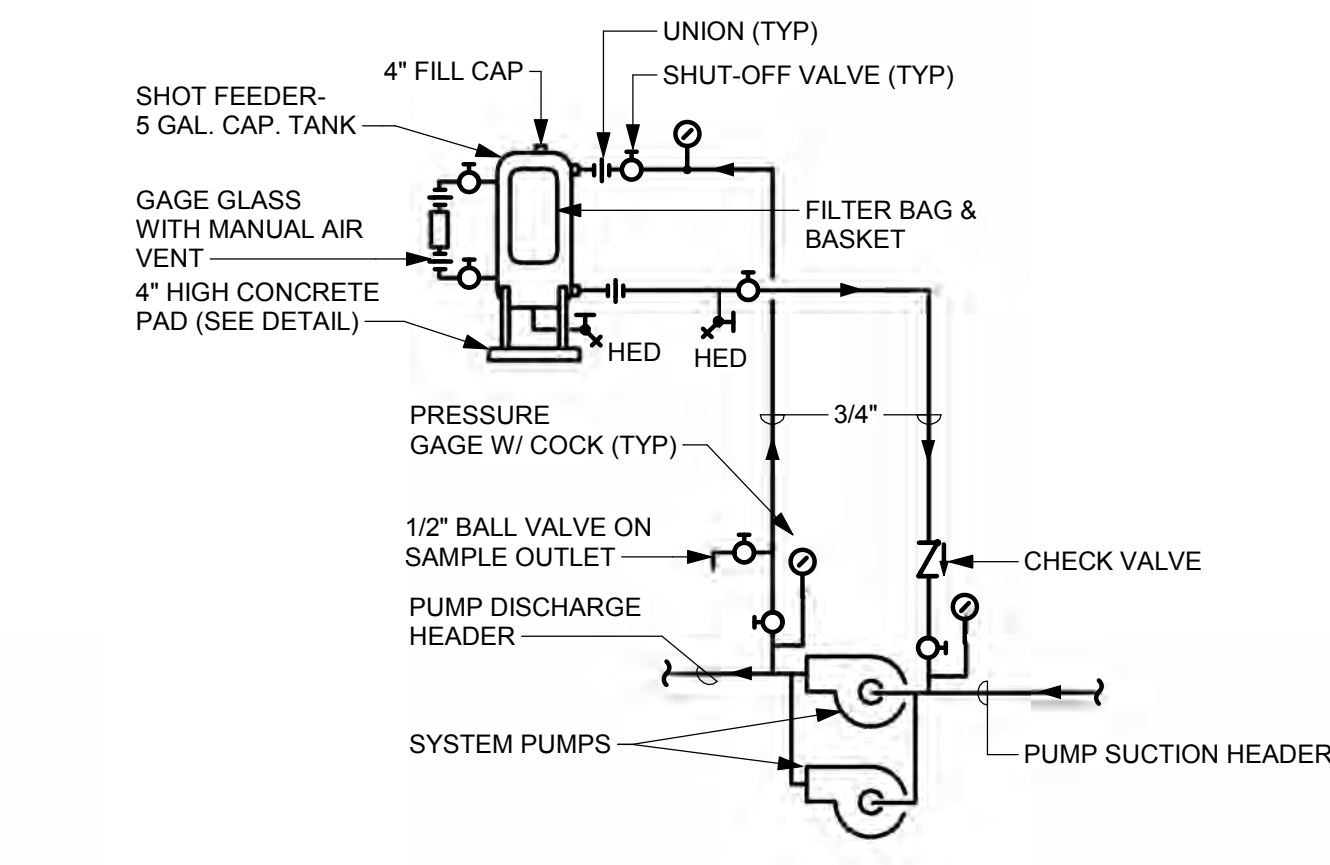


1 CABINET UNIT HEATER NOT TO SCALE

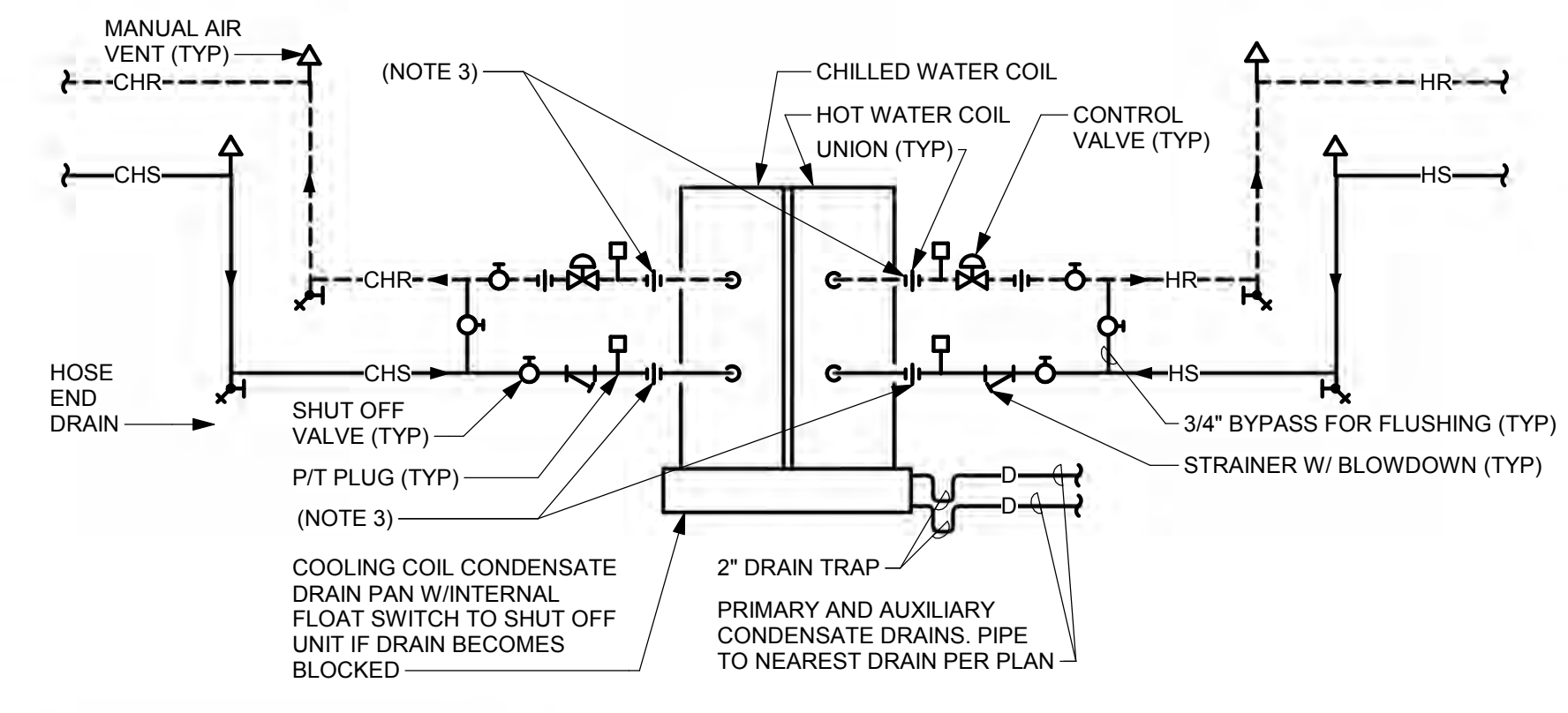
PIPE SCHEDULE table with columns: GPM, PIPE SIZE (IN). Rows: 0-3.5 (3/4"), 3.6-7.0 (1"), 7.1-13.0 (1 1/4").



5 SUSPENDED FAN COIL UNIT - COOLING AND HEATING NOT TO SCALE

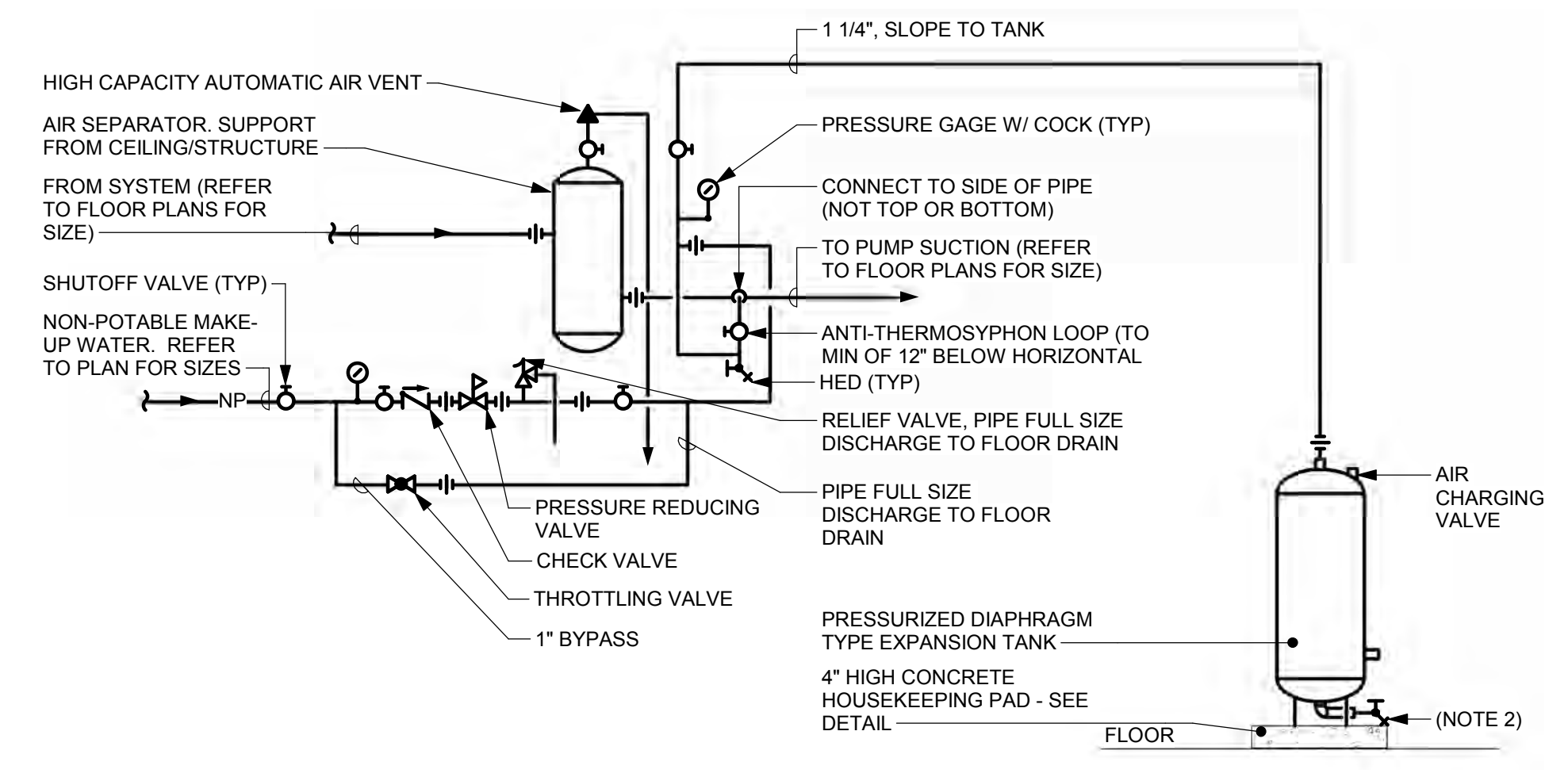


6 CLOSED SYSTEM CHEMICAL SHOT FEEDER NOT TO SCALE

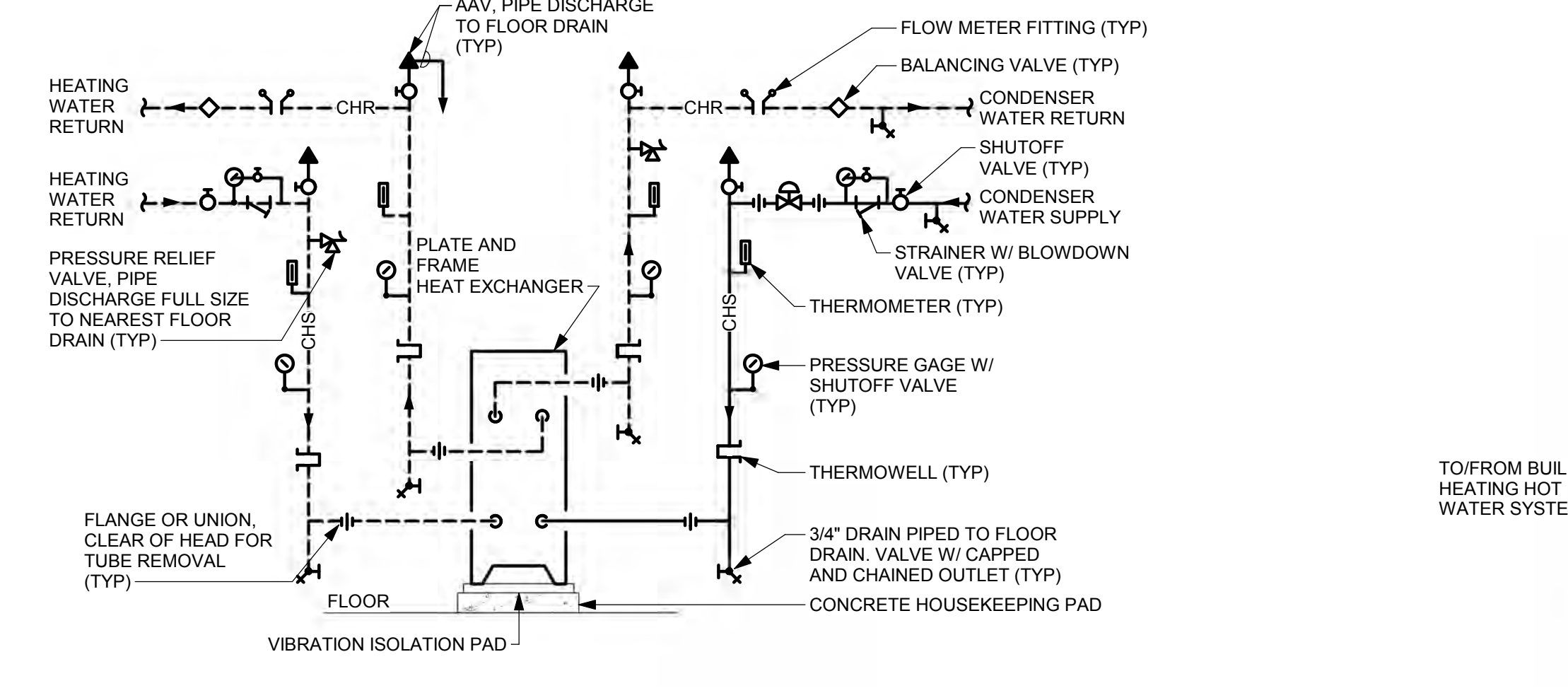


4 VERTICAL FAN COIL UNITS (TYPE VC) NOT TO SCALE

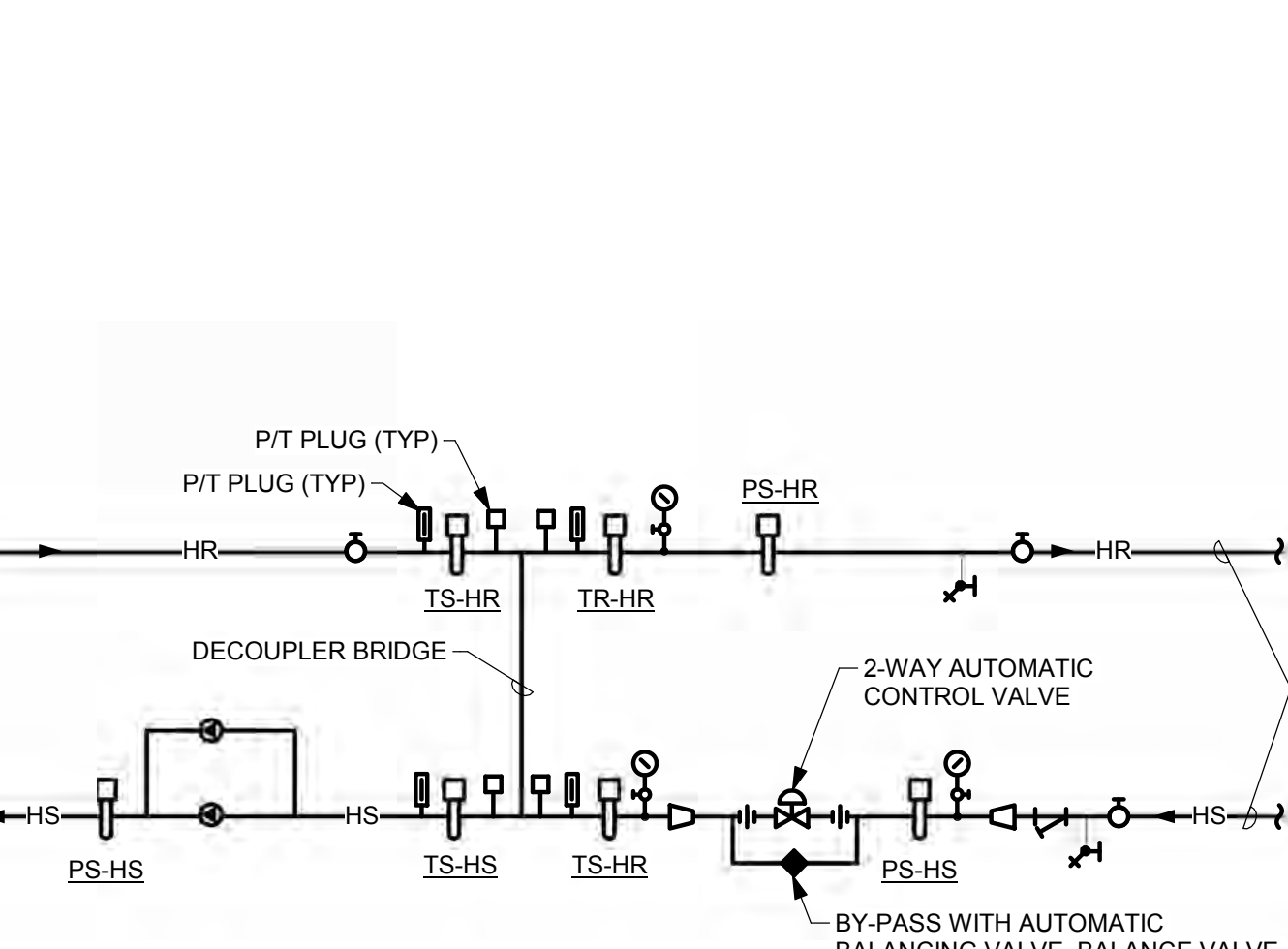
PIPE SCHEDULE table with columns: GPM, PIPE SIZE (IN). Rows: 0-3.5 (3/4"), 3.6-7.0 (1"), 7.1-13.0 (1 1/4"), 13.1-21.0 (1 1/2").



7 EXPANSION TANK & AIR SEPARATOR NOT TO SCALE



8 PLATE AND FRAME WATER-TO-WATER HEAT EXCHANGER NOT TO SCALE



9 HEATING WATER DECOUPLER BRIDGE NOT TO SCALE

STAPLE EDGE (vertical text on the left margin)

1 2 3 4 5 6 7 8 9 10 11 (horizontal grid numbers at the top)

1 2 3 4 5 6 7 8 9 10 11 (horizontal grid numbers at the bottom)

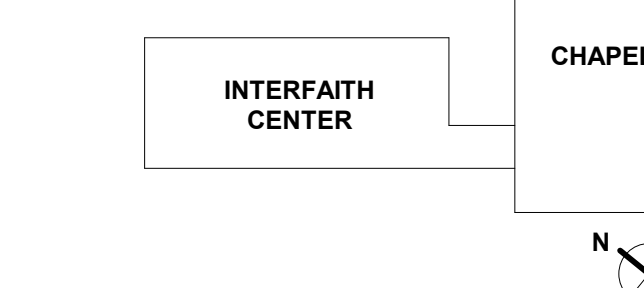
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REVISIONS

Table with 3 columns: REV.#, DESCRIPTION, DATE. Includes a KEY PLAN showing INTERFAITH CENTER and CHAPEL.

KEY PLAN



ARCHITECTS + PLANNERS

NOT FOR CONSTRUCTION

DRAWING INFORMATION table with fields for ISSUE DATE, SCALE, JOB NO., and DRAWN BY.

PROJECT DESIGN PHASE 50% CONSTRUCTION DOCUMENTS

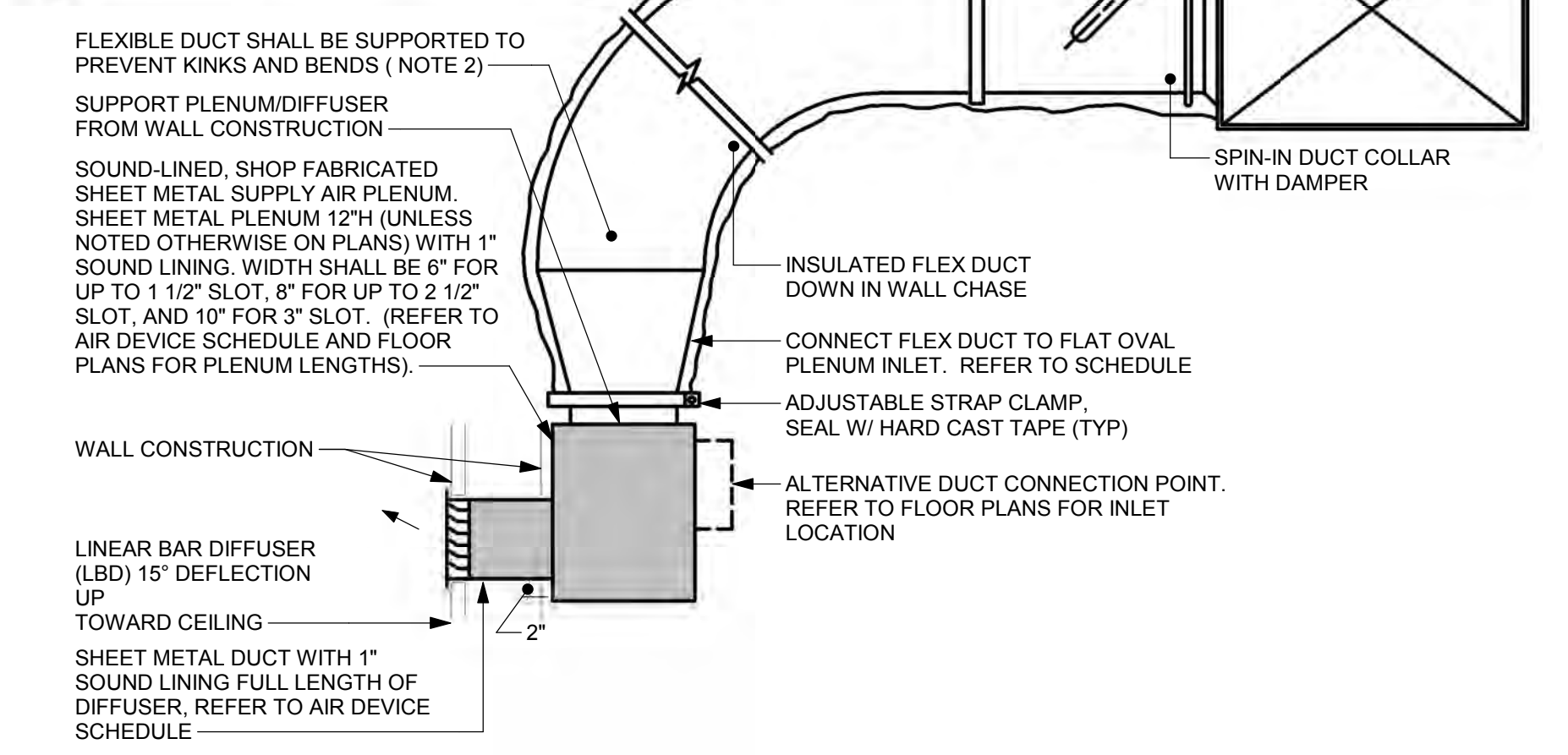
DRAWING NAME

DETAILS

DRAWING NUMBER

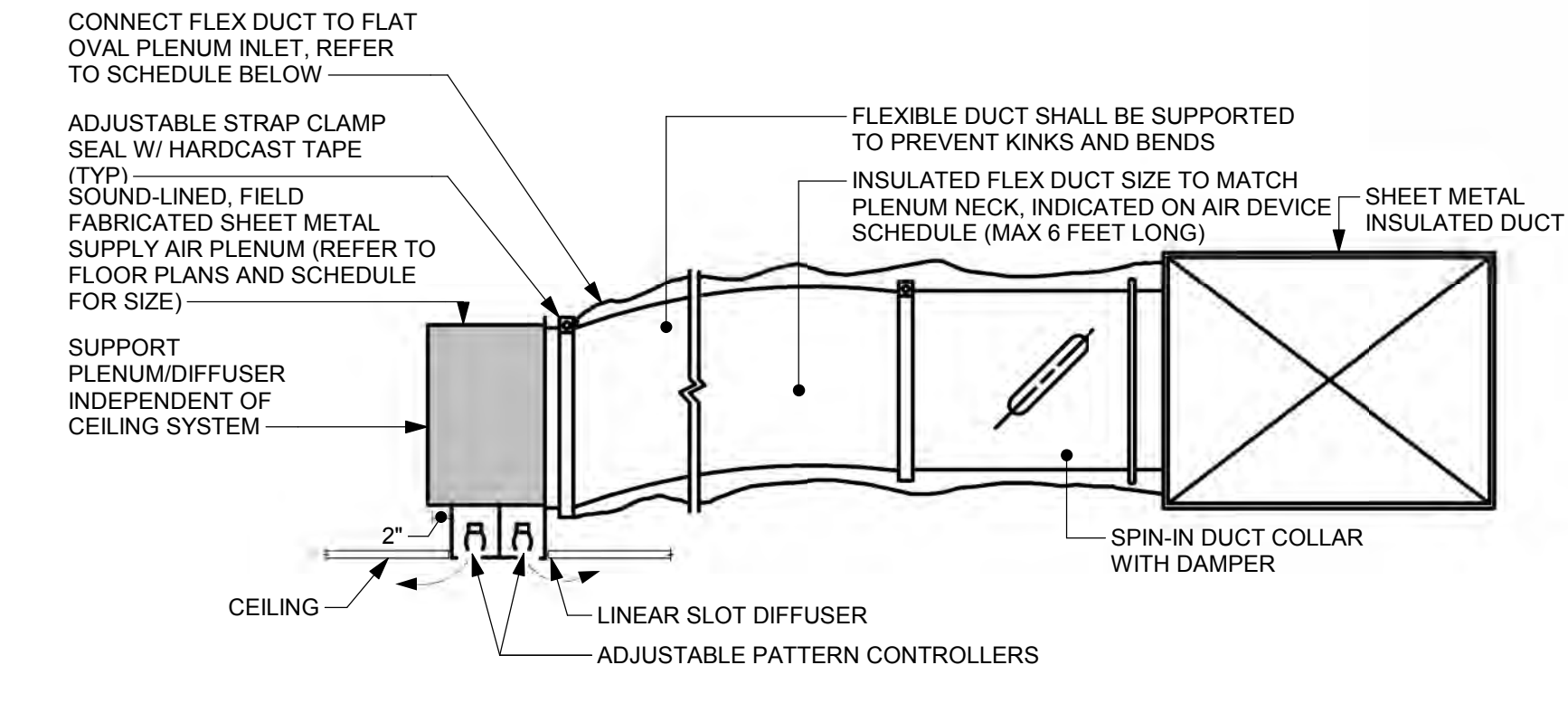
M5.02

FLAT OVAL INLET SCHEDULE table with columns for FLEX DUCT, A, and B.



- NOTES: 1. RECTANGULAR DUCT SHOWN; ROUND DUCT SIMILAR, WITH VOLUME DAMPER AFTER LOW TOSS TEE OFF SUPPLY MAIN. 2. WHERE INDICATED ON PLANS PROVIDE RECTANGULAR DUCT RUNOUTS OF SIZE INDICATED WITH VD. 3. SEE SCHEDULE THIS DRAWING FOR SIZE.

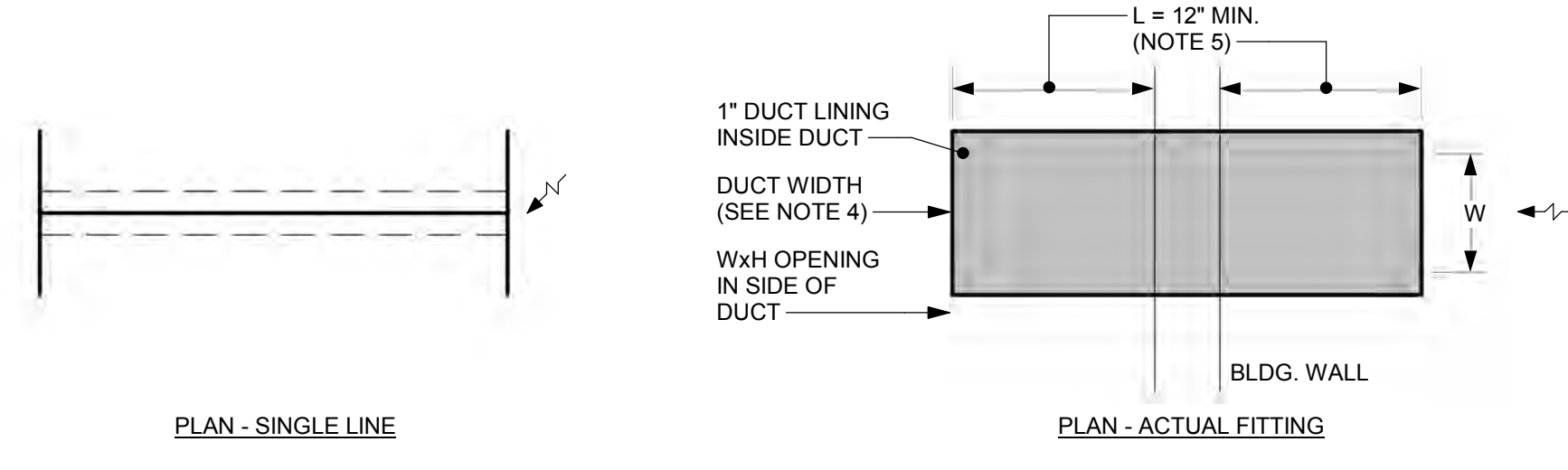
3 AIR DEVICE TYPE (LBD) NOT TO SCALE



- NOTES: 1. RECTANGULAR DUCT SHOWN; ROUND DUCT SIMILAR, WITH VOLUME DAMPER AFTER LOW LOSS TEE OFF SUPPLY MAIN. 2. AIR DEVICE TYPE (LS) SHOWN; (PSD) SIMILAR EXCEPT FACTORY FABRICATED PLENUM IS PROVIDED BY AIR DEVICE MANUFACTURER AND DEVICE DESIGNED FOR LAY-IN CEILINGS.

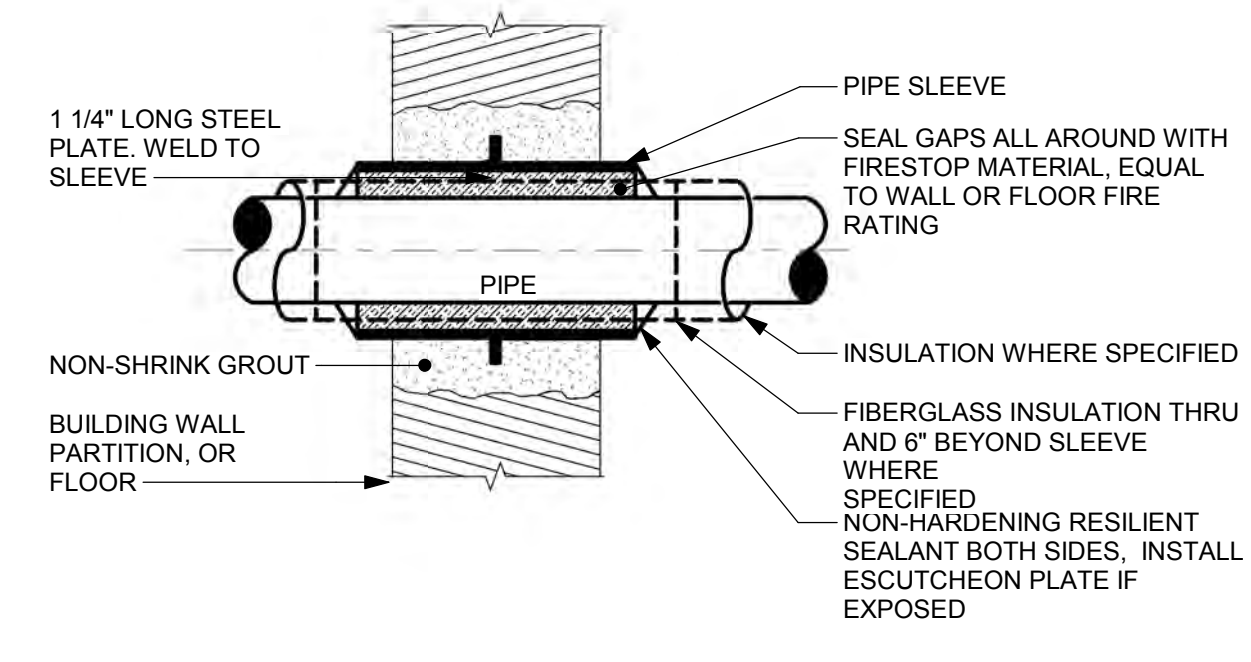
FLAT OVAL INLET SCHEDULE table with columns for FLEX DUCT, A, and B.

6 LINEAR SLOT AIR DEVICE TYPE (LS) NOT TO SCALE

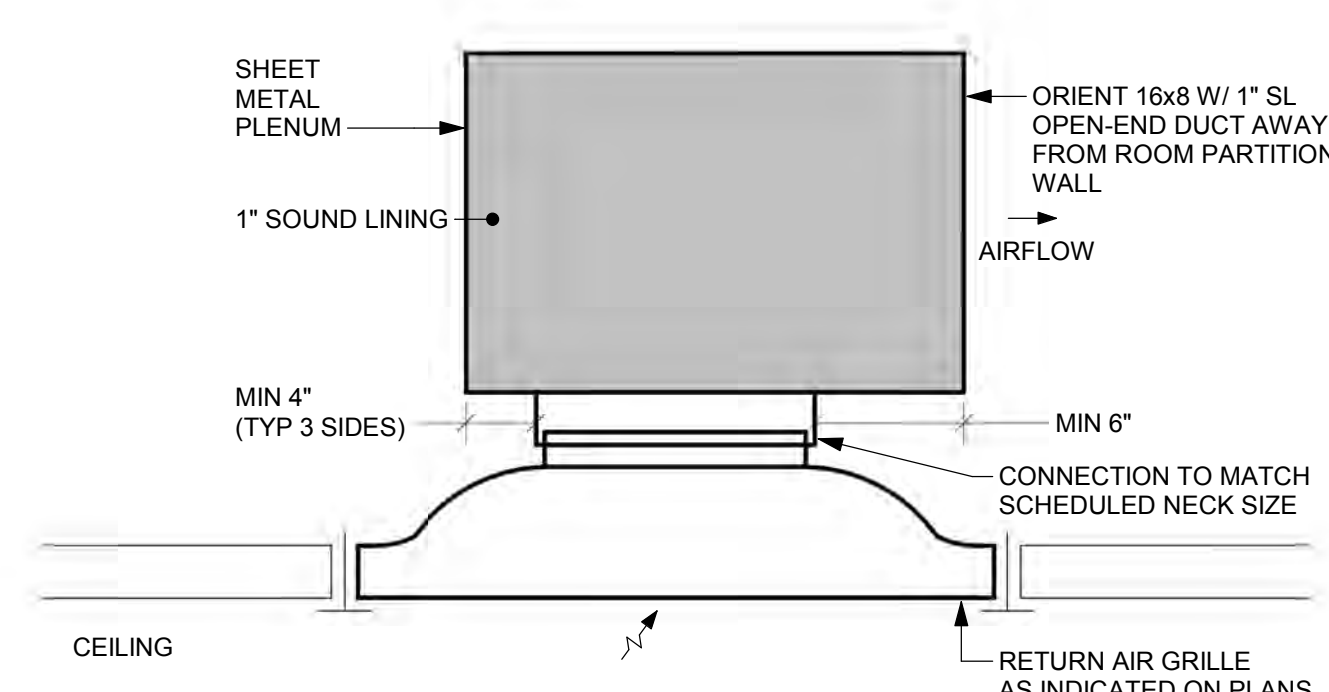


- NOTES: 1. USE MINIMUM 22 GAUGE OR SMACNA GAUGE (WHICHEVER IS GREATER) SHEET METAL FOR CONSTRUCTION AND LINE WITH 1" THICK SOUND LINING. 2. SUSPEND RETURN AIR/TRANSFER DUCT FROM FLOOR SLAB STRUCTURE ABOVE FINISHED CEILING. 3. CONFIGURATION VARIES FROM ROOM TO ROOM. SEE FLOOR PLANS FOR LOCATIONS AND CONFIGURATION. 4. REFER TO FLOOR PLANS FOR SIZE OF DUCT. 5. FOR TRANSFER DUCTS WITH GRILLES AT WALLS, LENGTH OF OPEN ENDED DUCT FROM BUILDING (L) SHALL INCREASE TO 24". REFER TO FLOOR PLANS FOR LOCATION OF TRANSFERS WITH GRILLES.

2 RETURN AIR/TRANSFER DUCT WITHOUT ELBOWS NOT TO SCALE

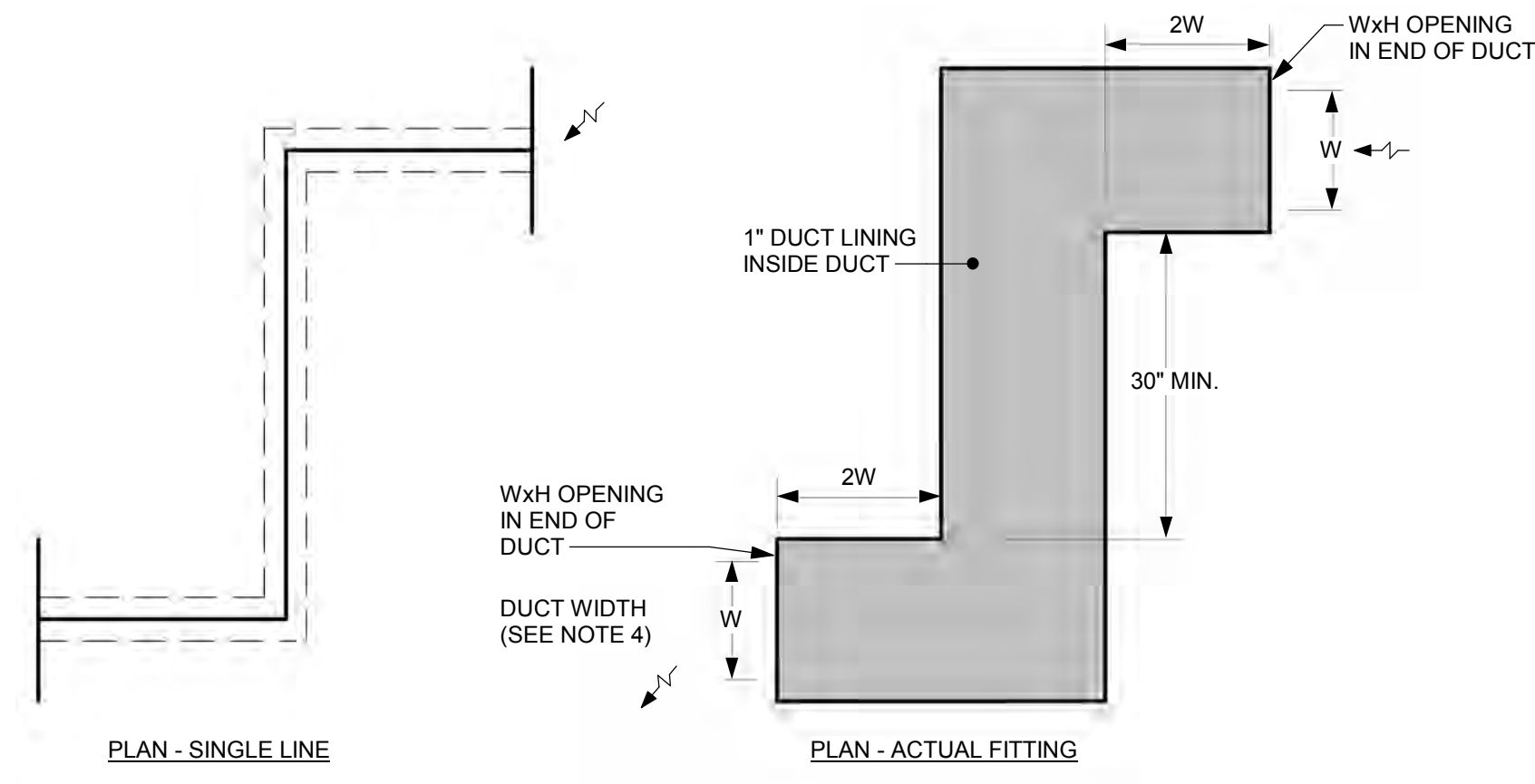


5 MASONRY WALL AND FLOOR PENETRATION NOT TO SCALE



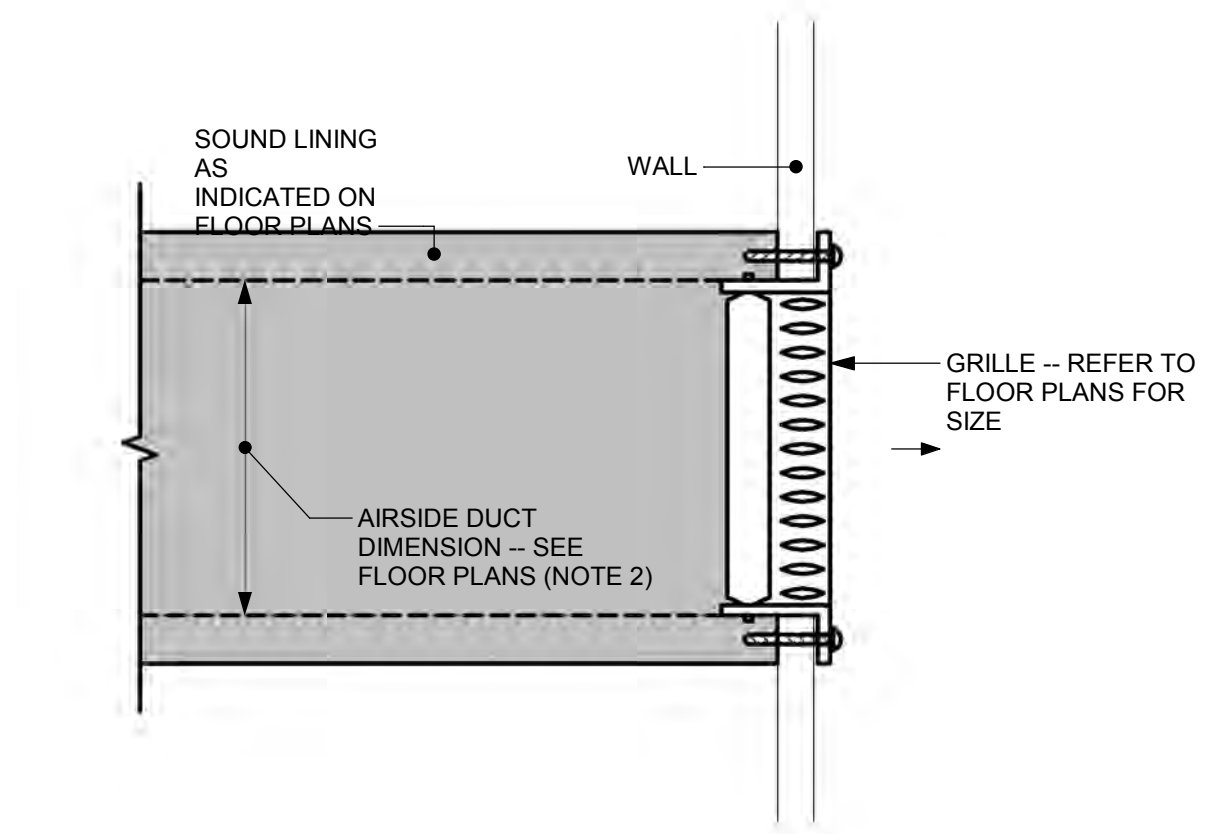
- NOTE: 1. AIR DEVICE TYPE (CR) SHOWN, TYPE (RR) SIMILAR.

8 RETURN AIR DEVICE IN PLENUM CEILINGS (TYPE CR) NOT TO SCALE



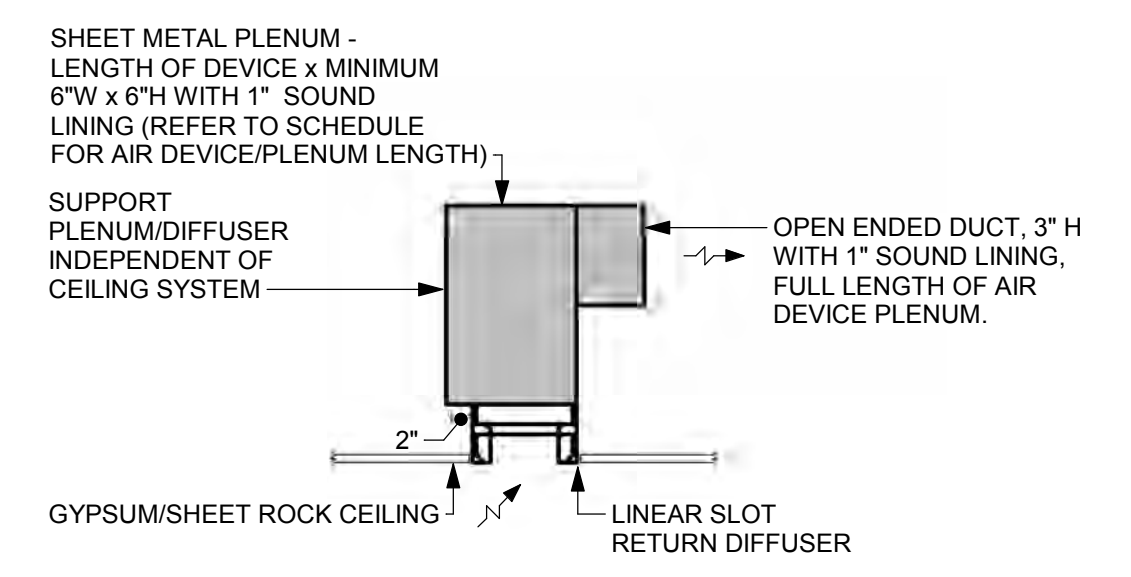
- NOTES: 1. USE MINIMUM 22 GAUGE OR SMACNA GAUGE (WHICHEVER IS GREATER) SHEET METAL FOR CONSTRUCTION AND LINE WITH 1" THICK SOUND LINING. 2. SUSPEND RETURN AIR/TRANSFER DUCT ELBOWS FROM FLOOR SLAB STRUCTURE ABOVE FINISHED CEILING. 3. CONFIGURATION VARIES FROM ROOM TO ROOM. SEE FLOOR PLANS FOR LOCATIONS AND CONFIGURATION. 4. UNLESS SIZE IS INDICATED ON FLOOR PLANS, PROVIDE 6"x6" TRANSFER AIR DUCTS FOR SPACES WITH UP TO TO 150 CFM SUPPLY AIR. PROVIDE 12"x10" TRANSFER AIR DUCTS FOR SPACES WITH SUPPLY AIR QUANTITIES BETWEEN 150 CFM AND 435 CFM. PROVIDE 18"x10" TRANSFER AIR DUCTS FOR SPACES WITH SUPPLY AIR QUANTITIES BETWEEN 435 CFM AND 660 CFM. FOR SPACES WITH GREATER THAN 660 CFM SUPPLY AIR, PROVIDE MULTIPLE TRANSFER AIR DUCTS. 5. REFER TO FLOOR PLANS FOR LOCATIONS OF SOUND ATTENUATORS IN TRANSFER DUCTS.

1 RETURN AIR/TRANSFER DUCT WITH ELBOWS NOT TO SCALE



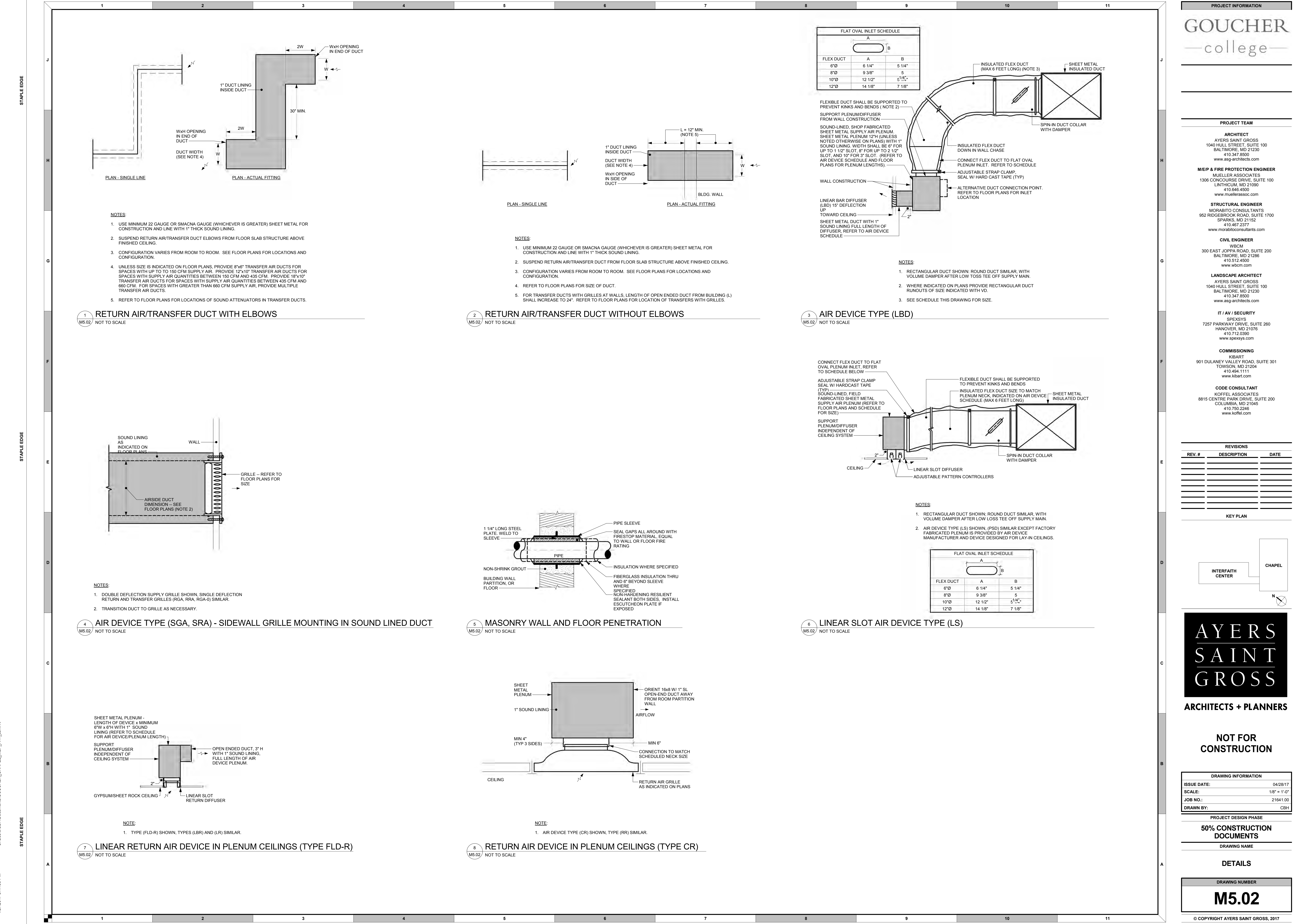
- NOTES: 1. DOUBLE DEFLECTION SUPPLY GRILLE SHOWN, SINGLE DEFLECTION RETURN AND TRANSFER GRILLES (RGA, RRA, RGA-D) SIMILAR. 2. TRANSITION DUCT TO GRILLE AS NECESSARY.

4 AIR DEVICE TYPE (SGA, SRA) - SIDEWALL GRILLE MOUNTING IN SOUND LINED DUCT NOT TO SCALE



- NOTE: 1. TYPE (FLD-R) SHOWN, TYPES (LBR) AND (LR) SIMILAR.

7 LINEAR RETURN AIR DEVICE IN PLENUM CEILINGS (TYPE FLD-R) NOT TO SCALE



4/27/2017 5:17:39 PM C:\Users\CBH\Documents\GOUCHER\_CHAPEL\_MEP\_RIT\_02b.rvt

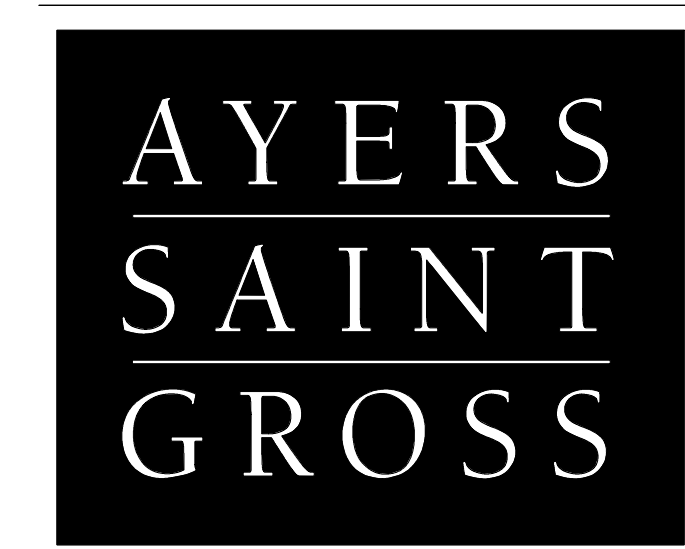
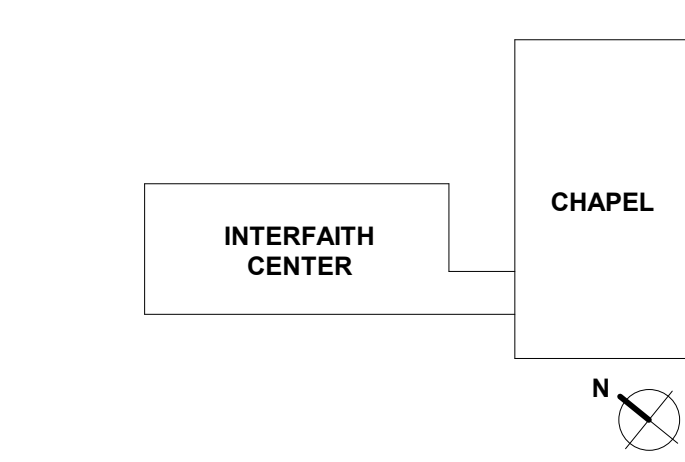


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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

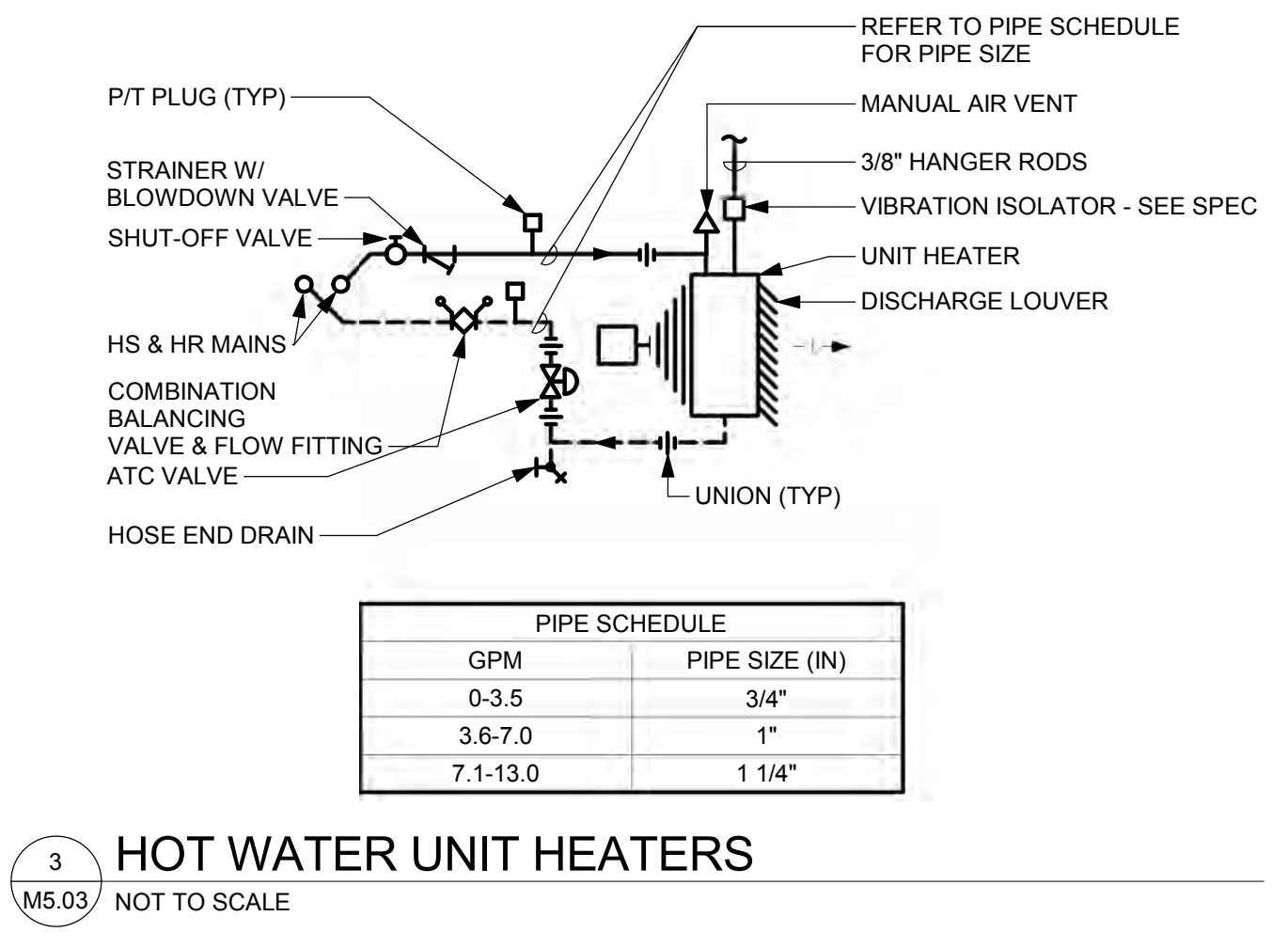
**NOT FOR CONSTRUCTION**

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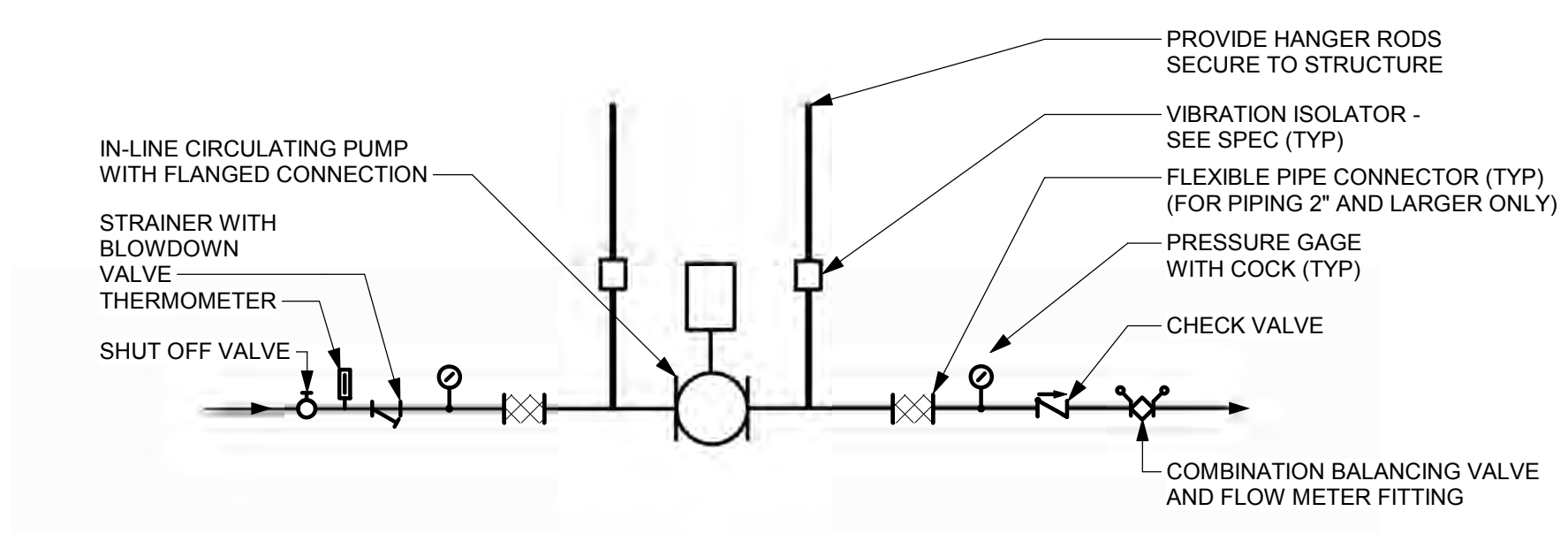
PROJECT DESIGN PHASE  
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DRAWING NAME  
**DETAILS**

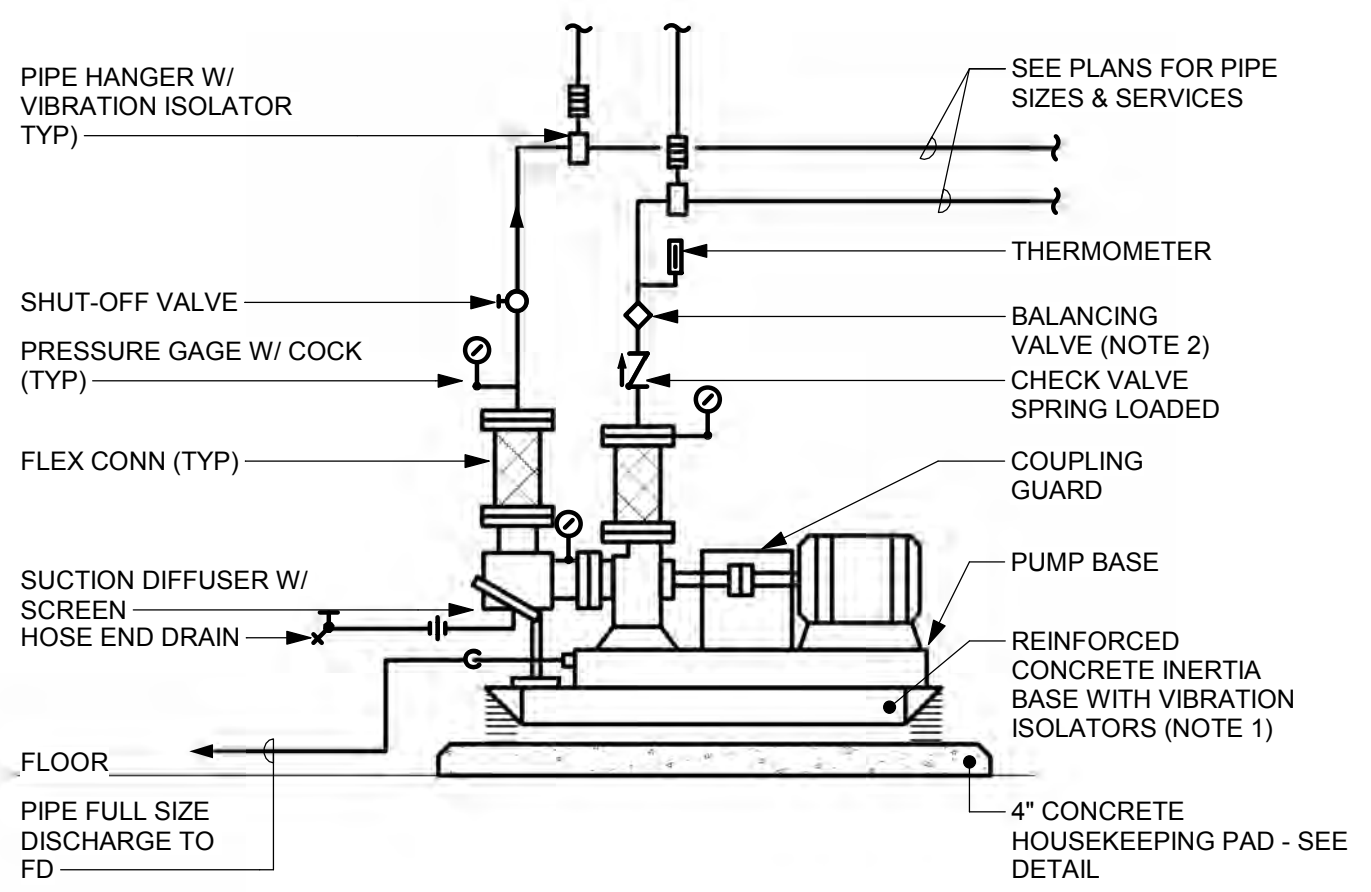
DRAWING NUMBER
<b>M5.03</b>



3 HOT WATER UNIT HEATERS  
M5.03 NOT TO SCALE

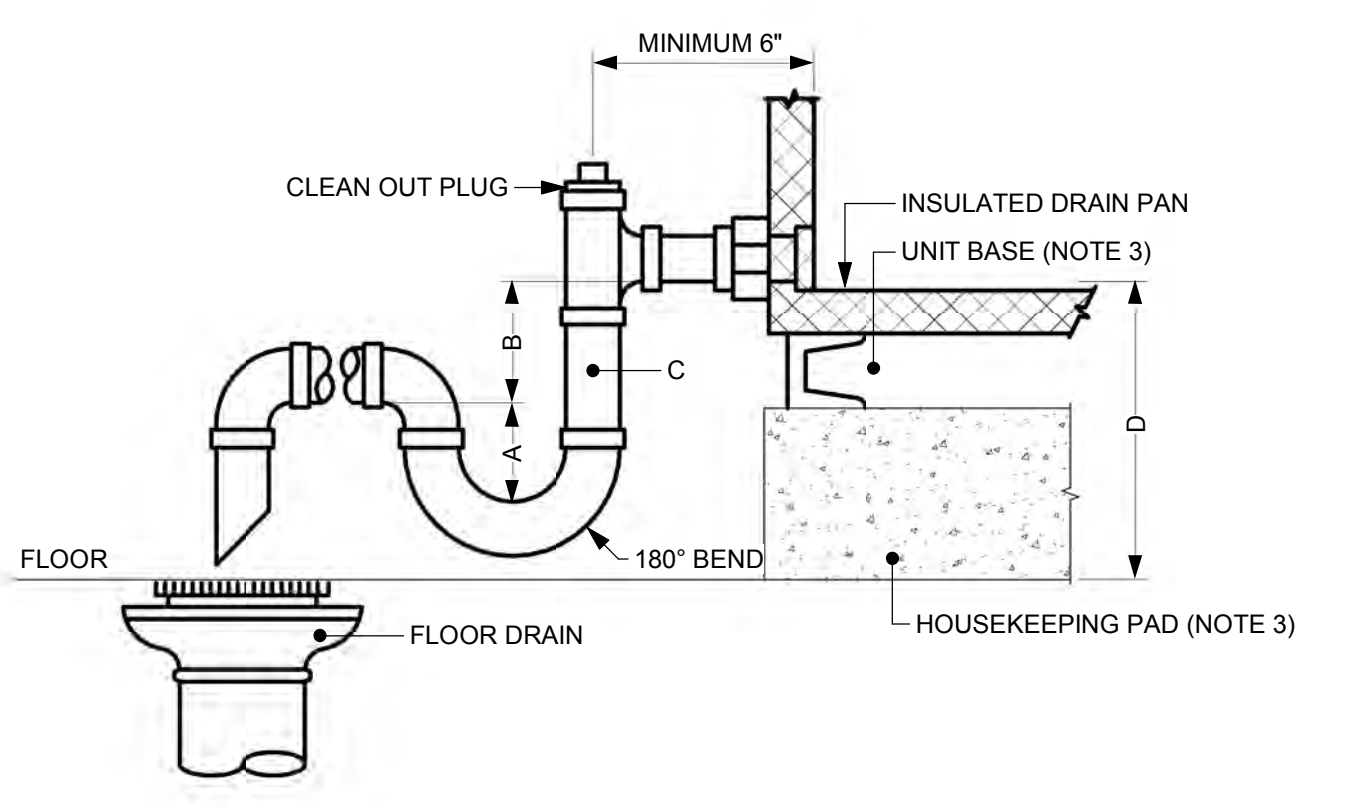


2 IN-LINE CIRCULATING PUMP  
M5.03 NOT TO SCALE



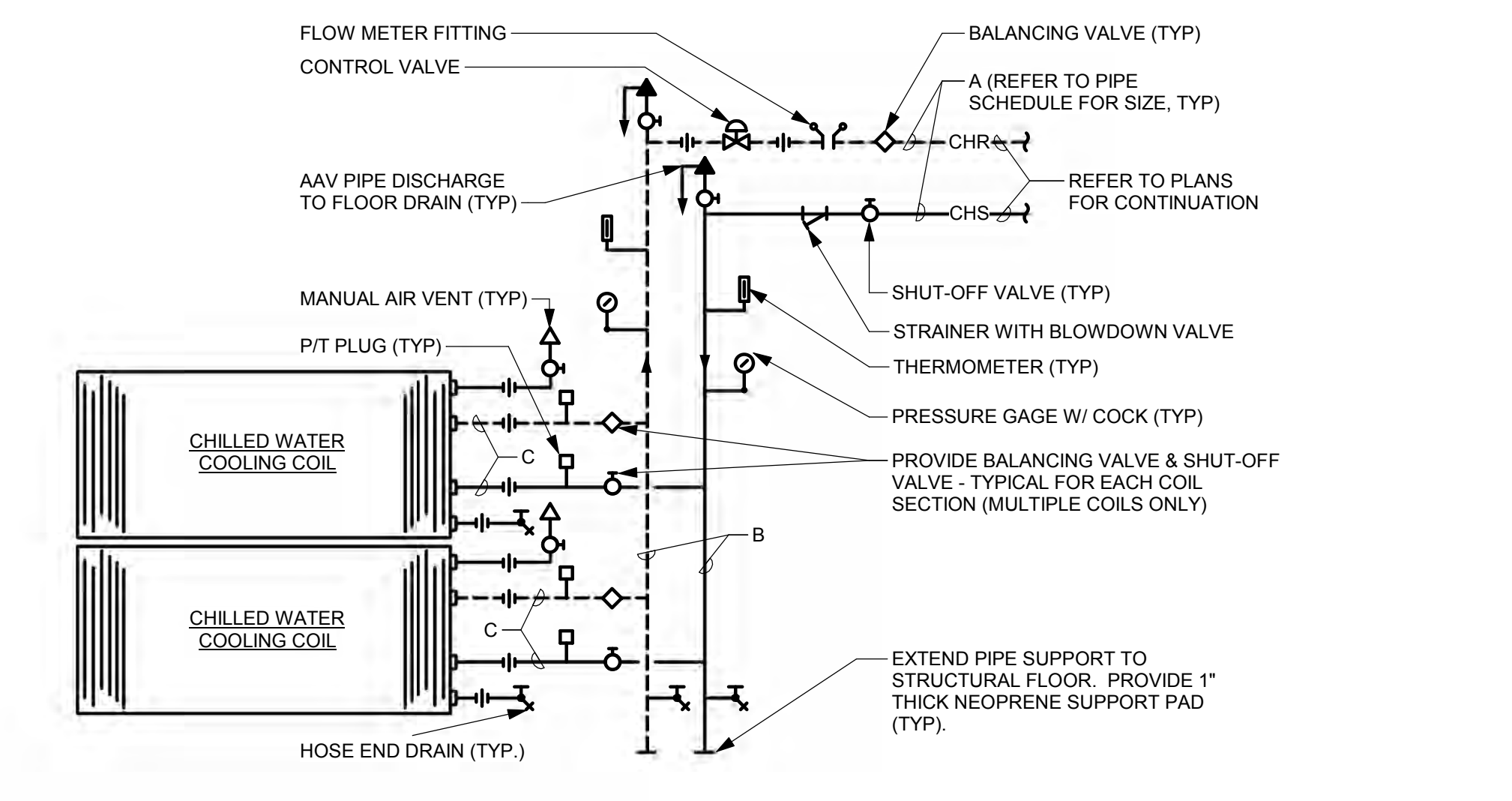
- NOTES:
1. INERTIA BASE SHALL BE OF SUFFICIENT LENGTH TO SUPPORT PUMP & SUCTION DIFFUSER. DIFFUSER SUPPORTED FROM FLOOR OR HOUSEKEEPING PAD IS NOT ACCEPTABLE.
  2. ON PUMPS WITH VARIABLE FREQUENCY CONTROLLERS, PROVIDE SHUT-OFF VALVE IN LIEU OF BALANCING VALVE.

1 BASE MOUNTED END SUCTION PUMP  
M5.03 NOT TO SCALE



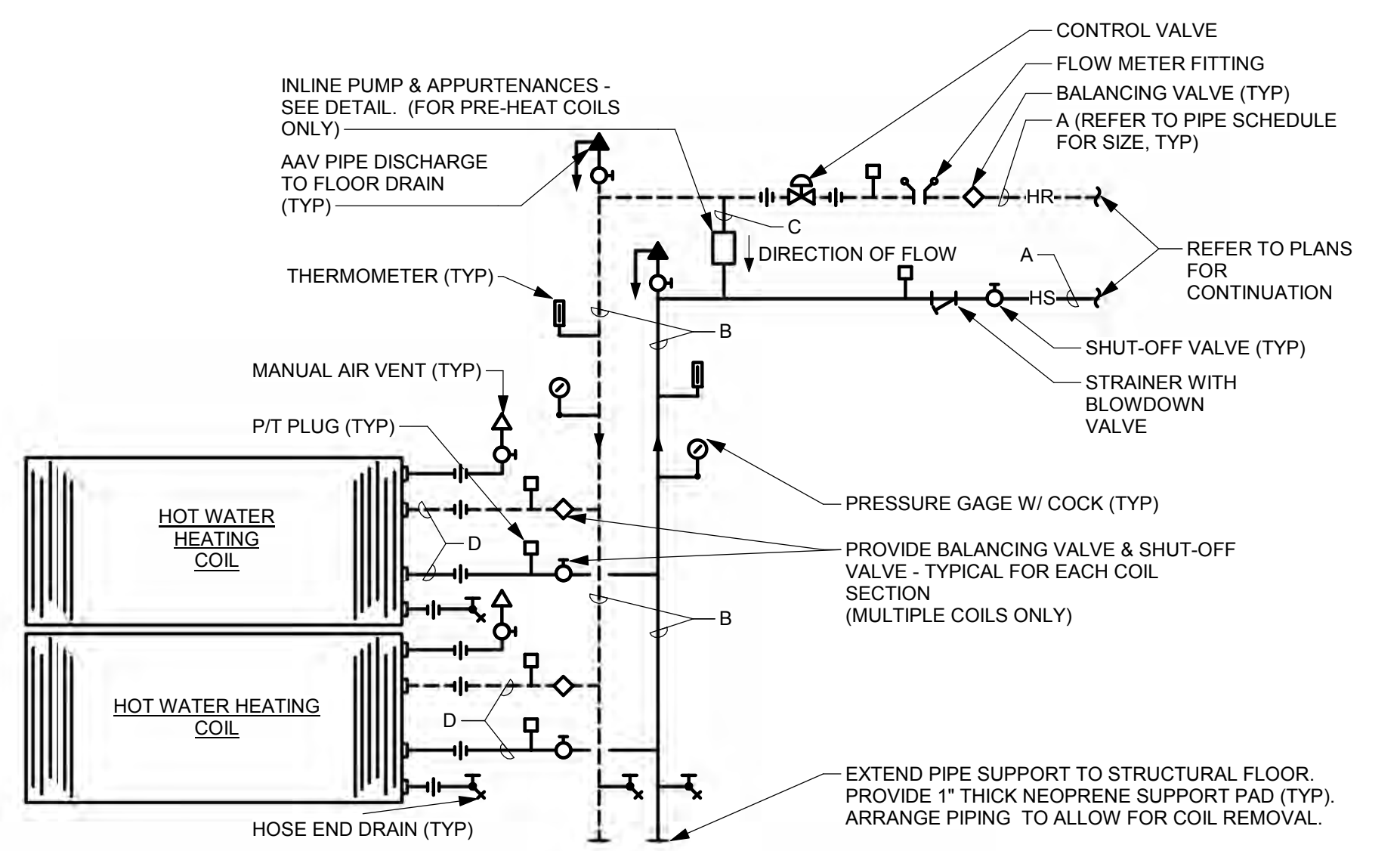
- NOTES:
1. FOR DRAW THRU TRAPS: "B" = FAN INLET PRESSURE PLUS 1 INCH, "A" = B/2
  2. FOR BLOW THRU TRAPS: "B" = 1 INCH, "A" = FAN OUTLET PRESSURE PLUS 1/2 INCH.
  3. BOTTOM OF CONDENSATE DRAIN PAN CONNECTION SHALL BE MINIMUM "D" ABOVE FINISHED FLOOR - INCREASE UNIT BASE HEIGHT ACCORDINGLY. HOUSEKEEPING PAD HEIGHT SHALL NOT EXCEED 6" WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT.

4 INDOOR COOLING COIL CONDENSATE DRAIN  
M5.03 NOT TO SCALE



- NOTES:
1. ARRANGE PIPING & UNIONS TO ALLOW COIL REMOVAL.
  2. SUPPORT EACH COIL SEPARATELY TO ALLOW REMOVAL OF INDIVIDUAL SECTIONS.
  3. REFER TO AHU SCHEDULES FOR EXACT NUMBER & ARRANGEMENT OF COILS.
  4. MULTIPLE COILS SHOWN, SINGLE COIL SIMILAR.
  5. PROVIDE 20 GAUGE STAINLESS STEEL DRAIN PAN UNDER EACH COIL BANK. DRAIN PAN SHALL EXTEND 6" DOWNSTREAM OF COILS. PROVIDE MINIMUM 1 1/4" STAINLESS STEEL DOWNSPOUT FROM TOP PAN TO BOTTOM PAN.

5 MULTIPLE CHILLED WATER COOLING COILS  
M5.03 NOT TO SCALE



- NOTES:
1. ARRANGE PIPING & UNIONS TO ALLOW COIL REMOVAL.
  2. SUPPORT EACH COIL SEPARATELY TO ALLOW REMOVAL OF INDIVIDUAL SECTIONS.
  3. REFER TO AHU SCHEDULES FOR EXACT NUMBER & ARRANGEMENT OF COILS.
  4. MULTIPLE COILS SHOWN, SINGLE COIL SIMILAR.

6 MULTIPLE HEATING HOT WATER COILS  
M5.03 NOT TO SCALE

STAPLE EDGE

4/27/2017 5:17:45 PM

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REVISIONS

Table with columns: REV.#, DESCRIPTION, DATE. Includes a north arrow and site location diagram.

KEY PLAN

INTERFAITH CENTER CHAPEL

AYERS SAINT GROSS ARCHITECTS + PLANNERS NOT FOR CONSTRUCTION DRAWING INFORMATION ISSUE DATE: 04/28/17 SCALE: 1/2" = 1'-0" JOB NO.: 21641.00 DRAWN BY: CBH PROJECT DESIGN PHASE 50% CONSTRUCTION DOCUMENTS DRAWING NAME SCHEDULES DRAWING NUMBER M6.01

AIR HANDLING UNITS

Table with columns: GENERAL, FANS, COOLING COIL, HEATING COIL, FILTERS, REMARKS. Includes AHU-1 details.

NOTES: 1. COIL CAPACITIES SHALL BE BASED ON AHU OPERATING AT SCHEDULED MAXIMUM TOTAL AIRFLOW WITH SCHEDULED MINIMUM OCCUPIED OUTSIDE AIR. 2. UNIT INTERNAL STATIC PRESSURE DROP INCLUDES ALLOWANCE FOR SYSTEM EFFECTS, UNIT DAMPER LOSSES, AND 0.5" FOR FILTER LOADING. 3. BALANCE PRE-HEAT COIL FOR GPM SCHEDULED WHILE ACHIEVING SCHEDULED CAPACITY...

FAN COIL UNITS

Table with columns: DESIG, SPEC TYPE, LOCATION, NOMINAL AIR FLOWRATE, EXTERNAL STATIC PRESSURE, COOLING CAPACITY, HEATING CAPACITY, MOTOR, ELECTRICAL, REMARKS.

EXPANSION TANKS table with columns: DESIG, LOCATION, SERVICE, REMARKS.

PUMPS

Table with columns: DESIG, TYPE (SEE SPEC), LOCATION, SERVICE, WATER FLOWRATE, HEAD (FT HD), APPROXIMATE IMPELLER DIAMETER, SUCTION X DISCHARGE, MIN PUMP EFF., SPEED (RPM), BHP, MOTOR HP, VOLTS, PH, HZ, REMARKS.

FANS

Table with columns: DESIG, TYPE (SEE SPEC), SERVICE, AIRFLOW (CFM), TOTAL STATIC PRESSURE, WHEEL DIAMETER, SPEED (RPM), BHP, MOTOR HP, ELECTRICAL, REMARKS.

AIR COOLED CONDENSING UNITS

Table with columns: DESIG, TYPE (SEE SPEC), LOCATION, NOMINAL COOLING CAPACITY, MAX AMPS @ FULL LOAD, CONDENSER, COMPRESSOR QUANTITY, ELECTRICAL, REMARKS.

FILTERS

Table with columns: DESIG, TYPE (SEE SPEC), LOCATION, SERVICE, MERV, MAX FACE VELOCITY, DEPTH, INITIAL / FINAL APD, QUANTITY & APPROX SIZE, REMARKS.

AIR CONDITIONERS

Table with columns: DESIG, TYPE (SEE SPEC), LOCATION, SERVICE, TOTAL COOLING, SENSIBLE COOLING, AIRFLOW RATE, ELECTRICAL, REMARKS.

WATER-TO-WATER HEAT EXCHANGER

Table with columns: DESIG, SERVICE, LOCATION, CAPACITY, PRIMARY WATER (CAMPUS LOOP), SECONDARY WATER (BUILDING), BASIS OF DESIGN, REMARKS.

AIR DEVICES

Table with columns: DESIG, TYPE (SEE SPEC), SERVICE, AIRFLOW RANGE, NOMINAL SIZE, INLET/NECK SIZE, BASIS OF DESIGN, REMARKS.

HOT WATER PROPELLER AND CABINET UNIT HEATERS

Table with columns: DESIG, TYPE (SEE SPEC), LOCATION, MIN CAPACITY, AIRFLOW, WATER FLOWRATE, MAX WPD, ELECTRICAL, REMARKS.

AIR SEPARATORS

Table with columns: DESIG, LOCATION, SERVICE, SIZE (INLET X OUTLET), FLOW RATE, VOLUME, NOTES.

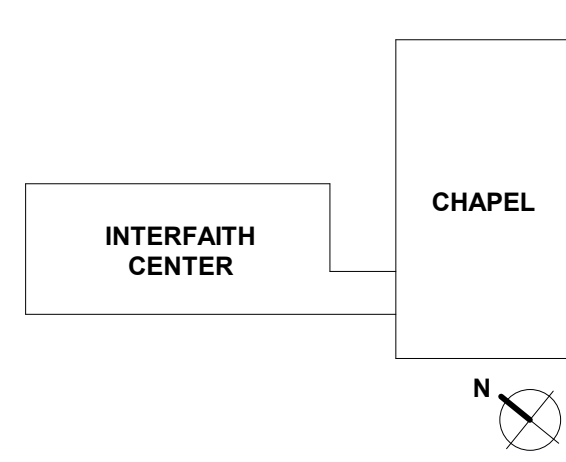
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KEY PLAN



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Table with 2 columns: DRAWING INFORMATION, PROJECT DESIGN PHASE. Includes fields for ISSUE DATE, SCALE, JOB NO., and DRAWN BY.

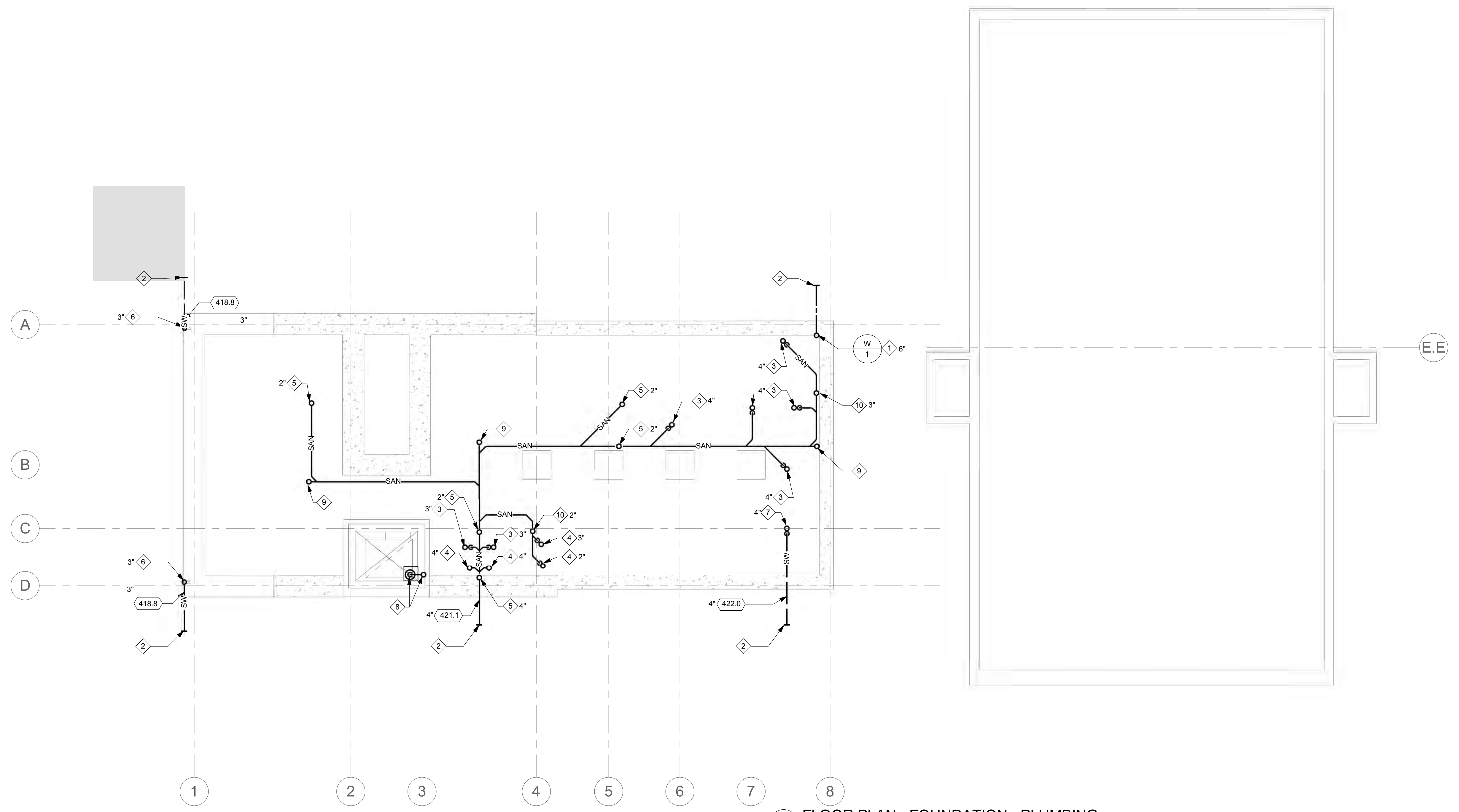
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DRAWING NAME
FLOOR PLAN - FOUNDATION PLUMBING

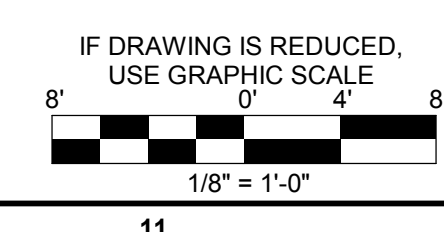
DRAWING NUMBER
P2.00

- DRAWING NOTES:
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B. EXISTING CONDITIONS SHOWN ARE BASED ON LIMITED FIELD SURVEY AND EXISTING DOCUMENTATION. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS, INDICATED OR OTHERWISE.
C. UNLESS OTHERWISE NOTED, PIPING AND DUCTWORK SHOWN IS CONCEALED ABOVE CEILING.
D. COORDINATE ALL DEMOLITION WORK WITH NEW WORK CONSTRUCTION.

- SPECIAL NOTES:
1. COMBINATION WATER SERVICE UP THROUGH SLAB. LOCATE MINIMUM OF 48" BELOW FINISHED GRADE TO TOP OF PIPE. REFER TO DETAIL FOR CONTINUATION.
2. REFER TO CIVIL PLANS FOR CONTINUATION.
3. SAN FROM TO FLOOR/TRENCH DRAIN.
4. SAN THROUGH SLAB FROM FIXTURE(S) ON FLOOR ABOVE.
5. SAN THROUGH SLAB FROM FLOOR ABOVE.
6. SW FROM DOWNSPOUT BOOT.
7. SW FROM FLOOR DRAIN.
8. SW/PD FROM ELEVATOR PIT SUMP PUMP WITH CHECK AND SHUT-OFF VALVES IN VERTICAL. PROVIDE PUMP IN 24" SQUARE BY 36" DEEP BASIN INTEGRAL WITH CONCRETE PIT. REFER TO DETAIL.
9. UP TO FLOOR CLEANOUT.
10. VP UP THROUGH SLAB FROM SAN.



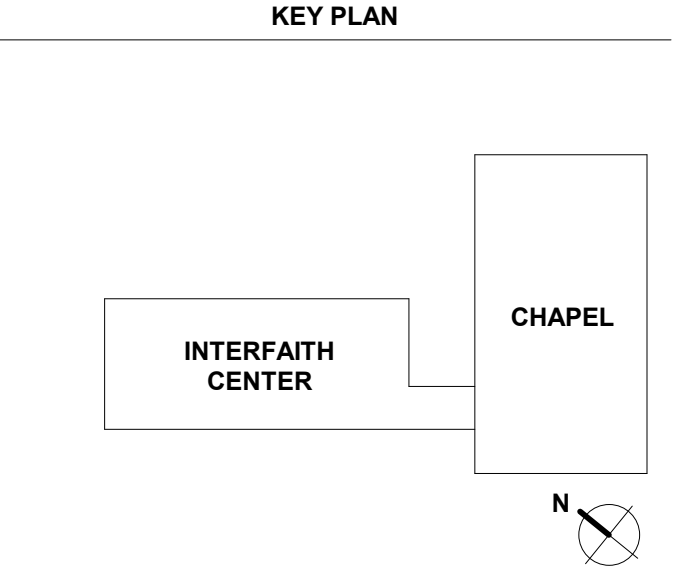
FLOOR PLAN - FOUNDATION - PLUMBING
1
P2.00
1/8" = 1'-0"



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REVISIONS		
REV. #	DESCRIPTION	DATE



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ISSUE DATE:	04/28/17
SCALE:	As indicated
JOB NO.:	21641.00
DRAWN BY:	Author

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**FLOOR PLAN - LOWER LEVEL - PLUMBING**

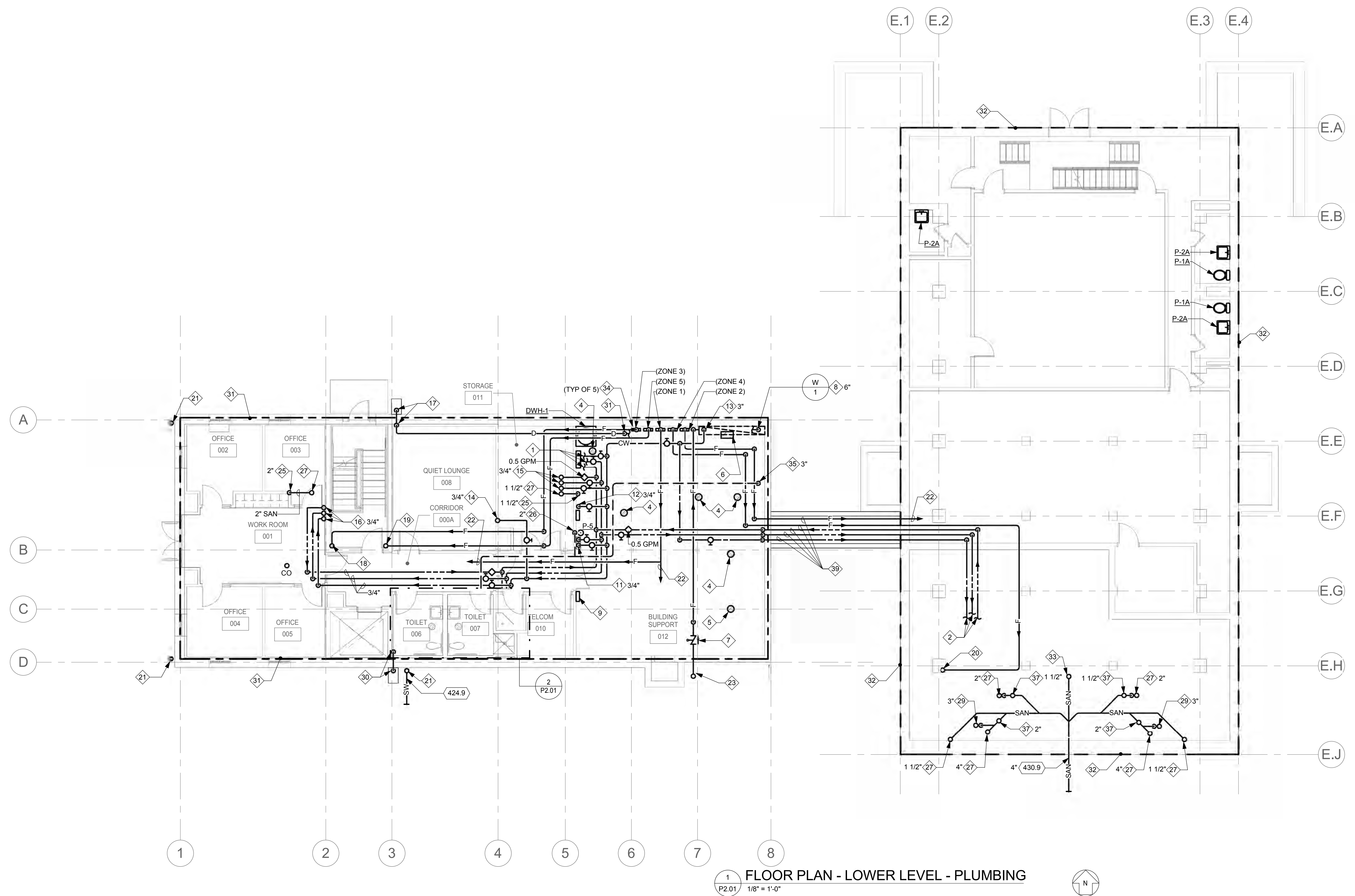
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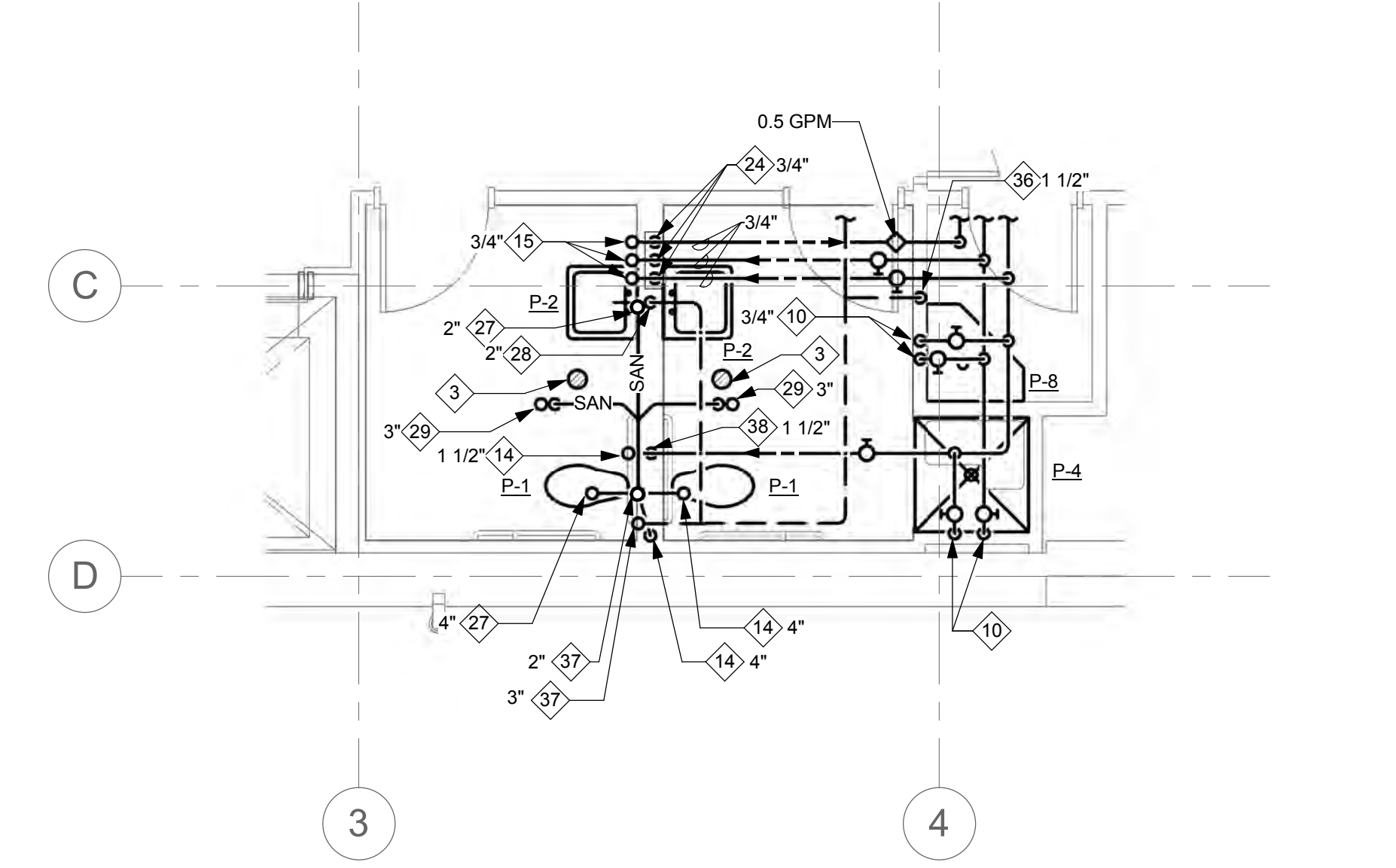
- REFER TO DRAWING M0.01 FOR LEGEND, ABBREVIATIONS AND DRAWING CONVENTIONS.
- EXISTING CONDITIONS SHOWN ARE BASED ON LIMITED FIELD SURVEY AND EXISTING DOCUMENTATION. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS, INDICATED OR OTHERWISE.
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- COORDINATE ALL DEMOLITION WORK WITH NEW WORK CONSTRUCTION.

SPECIAL NOTES:

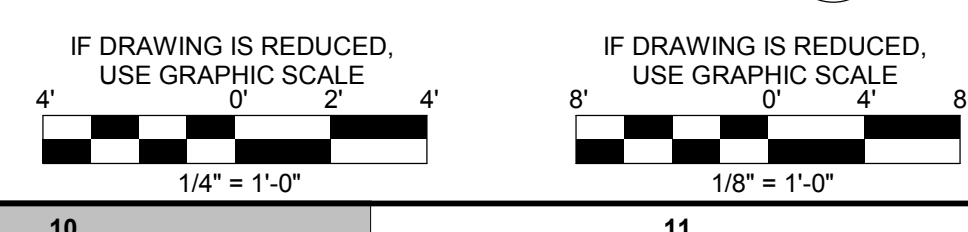
- 1 1/2" CW, 1 1/2" HW, AND 3/4" HWR TO/FROM HMMV-1 AND DWH-1. REFER TO DETAIL FOR CONTINUATION.
- 2" CW, 1" HW AND 3/4" HWR TO FIXTURES ON FLOOR ABOVE.
- 3" TYPE "A" FLOOR DRAIN WITH AUTOMATIC TRAP PRIMING CONNECTION SERVED FROM NEAREST FLUSH VALVE TAILPIECE.
- 4" TYPE "B" FLOOR DRAIN WITH AUTOMATIC TRAP PRIMING CONNECTION SERVED FROM TRAP PRIMING PANEL.
- 4" TYPE "C" FLOOR DRAIN WITH AUTOMATIC TRAP PRIMING CONNECTION SERVED FROM TRAP PRIMING PANEL.
- 4" TYPE "D" TRENCH DRAIN WITH AUTOMATIC TRAP PRIMING CONNECTION SERVED FROM TRAP PRIMING PANEL.
- CHECK VALVE WITH AUTOMATIC BALL DRIP. EXTEND DRAIN TO NEAREST FLOOR DRAIN.
- COMBINATION SERVICE FROM BELOW SLAB. REFER TO DETAIL FOR CONTINUATION.
- CONTROL PANEL FOR ELEVATOR SUMP PUMP, P-ELEV-1.
- CW AND HW DOWN TO FIXTURE(S).
- CW AND HW DOWN, EXPOSED ON WALL, TO HMMV-3, IN SURFACE MOUNTED CABINET. MOUNT CABINET ON WALL AT 24" AFF.
- CW DOWN TO AUTOMATIC TRAP PRIMING PANEL. SURFACE MOUNTED ON WALL AT 36" AFF. EXTEND DEDICATED 1/2" T/P PIPING TO ALL FLOOR/TRENCH DRAINS.
- CW FROM INCOMING WATER SERVICE. REFER TO DETAIL FOR CONTINUATION.
- CW UP TO FIXTURE(S) ON FLOOR ABOVE.
- CW, HW, HWR TO/FROM FIXTURE(S) ON FLOOR ABOVE.
- CW, HW, HWR UP.
- D DOWN, CONCEALED IN WALL. DISCHARGE THROUGH WALL 18" ABOVE FINISHED GRADE OVER SPLASHBLOCK. PROVIDE WATER-TIGHT SLEEVE THROUGH WALL.
- DEDICATED SPRINKLER SUPPLY PIPE (ZONE #3) UP.
- DEDICATED SPRINKLER SUPPLY PIPE (ZONE #5) UP.
- DEDICATED SPRINKLER SUPPLY PIPE (ZONE #4) UP.
- DOWNSPOUT BOOT WITH CLEANOUT. REFER TO ARCHITECTURAL PLANS FOR DOWNSPOUT CONTINUATION.
- EXTEND TO AUTOMATIC WET PIPE SPRINKLER SYSTEM FOR THIS FLOOR.
- F UP TO FREE STANDING FIRE DEPARTMENT CONNECTION.
- HWR, HW, AND CW DOWN TO HMMV-2 IN RECESSED CABINET. EXTEND 1/2" TW FROM MIXING VALVE TO FIXTURES, CONCEALED WITHIN WALL. MOUNT BOTTOM OF CABINET 6" AFF.
- SAN DOWN TO 2" SAN THROUGH SLAB. PROVIDE CLEANOUT AT 18" AFF.
- SAN FROM FIXTURE TO 2" SAN THROUGH SLAB. 2" VP DOWN TO SAN.
- SAN FROM FIXTURE(S) ON FLOOR ABOVE.
- SAN FROM FIXTURE(S) TO 2" SAN THROUGH SLAB. 1 1/2" VP DOWN TO SAN.
- SAN FROM FLOOR DRAIN ON FLOOR ABOVE.
- SWPD THROUGH FLOOR, CONCEALED WITHIN WALL. DISCHARGE THROUGH WALL 18" ABOVE FINISHED GRADE OVER SPLASHBLOCK. PROVIDE WATER-TIGHT SLEEVE THROUGH WALL.
- THIS AREA SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC WET PIPE SPRINKLER SYSTEM (ZONE #1), PER NFPA 13. FIRE PROTECTION PIPING IS SHOWN FOR COORDINATION PURPOSES. ALL FIRE PROTECTION PIPING SHALL BE PROVIDED ABOVE CEILINGS AND WITHIN WALL CAVITIES/CHASES.
- THIS AREA SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC WET PIPE SPRINKLER SYSTEM (ZONE #2), PER NFPA 13. FIRE PROTECTION PIPING IS SHOWN FOR COORDINATION PURPOSES. ALL FIRE PROTECTION PIPING SHALL BE PROVIDED ABOVE CEILINGS AND WITHIN WALL CAVITIES/CHASES.
- UP TO FLOOR CLEANOUT.
- VERTICAL STYLE FLOOR CONTROL VALVE ASSEMBLY WITH INSPECTORS TEST STATION.
- VP DOWN THROUGH SLAB.
- VP DOWN TO 2" VP THROUGH SLAB.
- VP UP TO FLOOR ABOVE FROM SAN.
- W DOWN TO FIXTURE(S). PROVIDE SHUTOFF VALVE BEHIND ACCESS PANEL.
- INSTALL PIPING WITHIN TRENCH UNDER ENTRY 100.



**FLOOR PLAN - LOWER LEVEL - PLUMBING**  
1/8" = 1'-0"



**PART FLOOR PLAN - LOWER LEVEL - PLUMBING**  
1/4" = 1'-0"

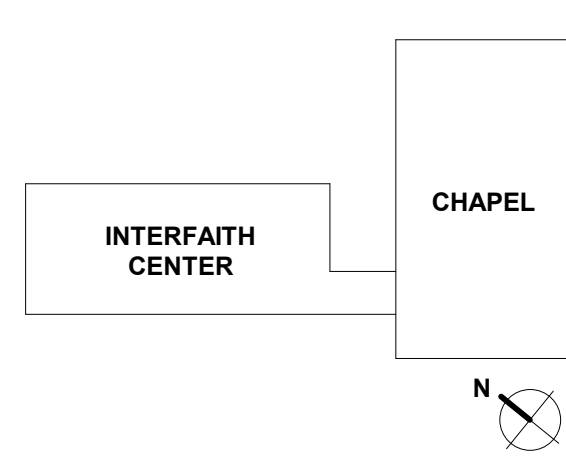


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DRAWING NAME
FLOOR PLANS - GROUND LEVEL - PLUMBING

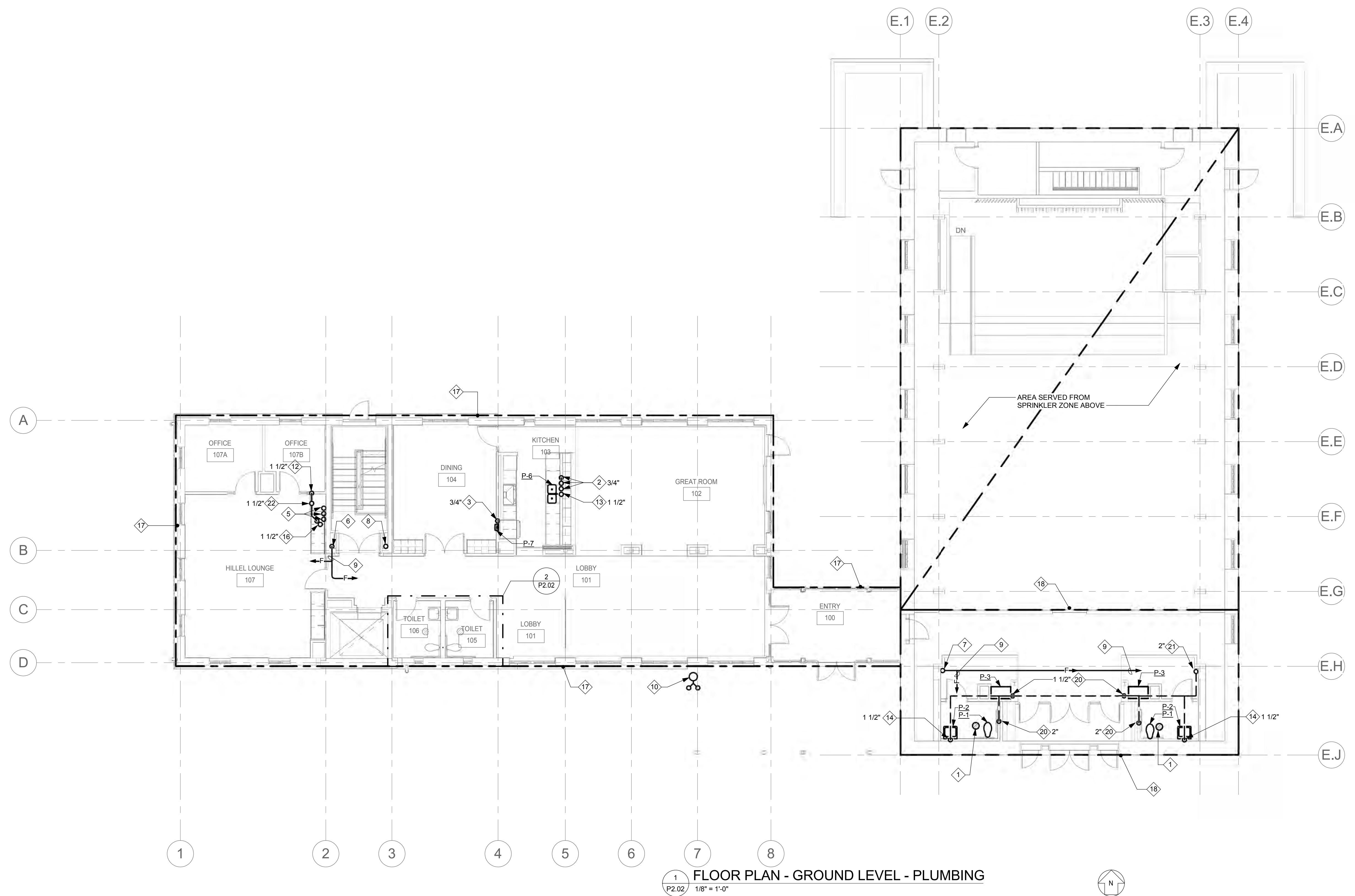
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P2.02

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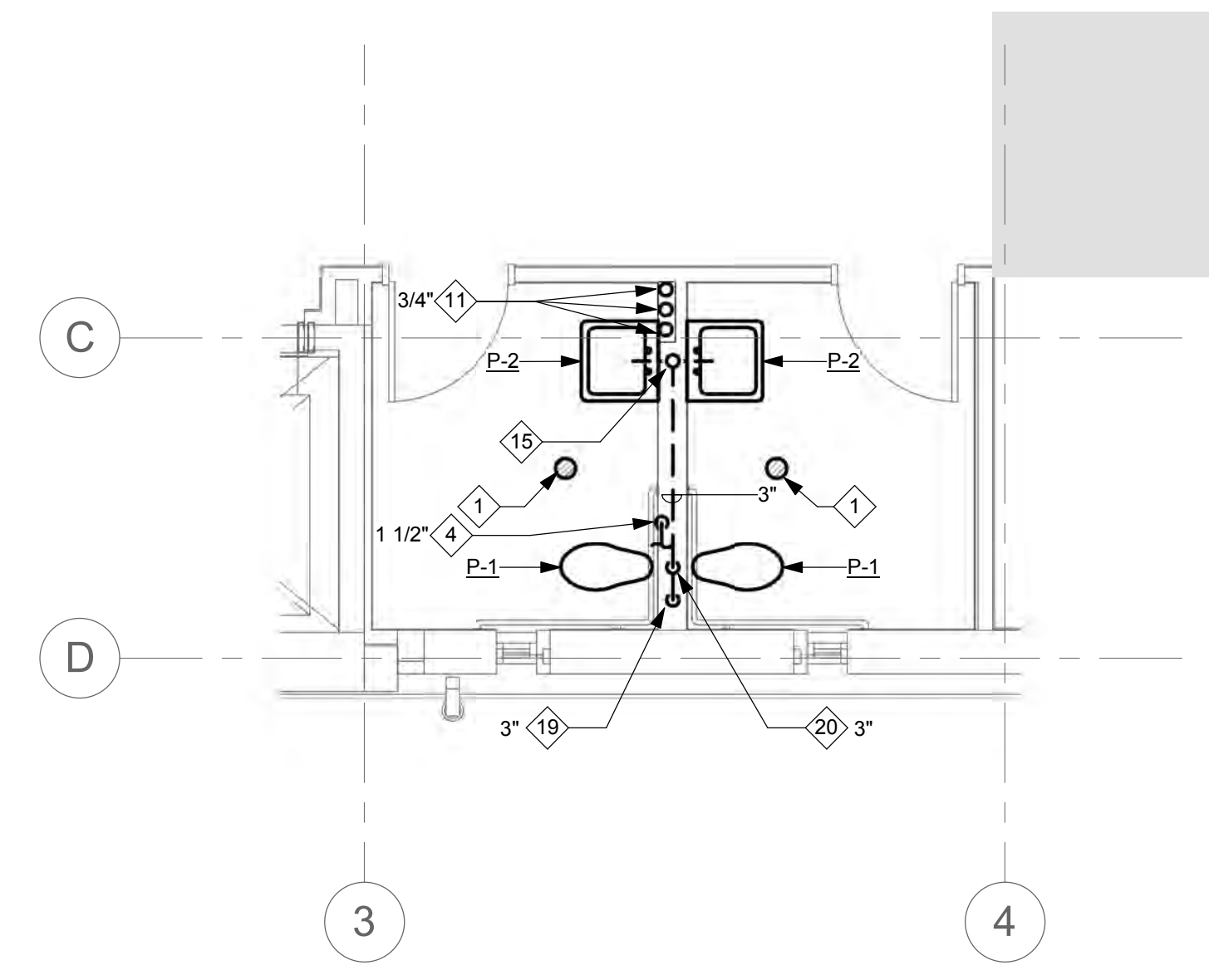
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SPECIAL NOTES:

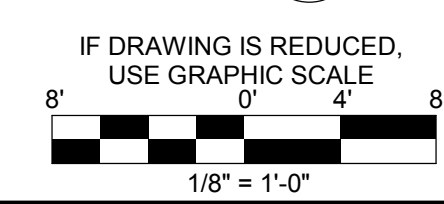
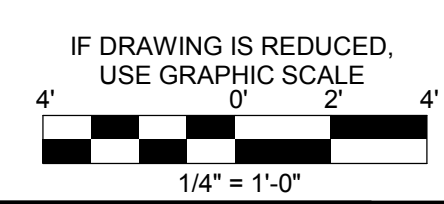
- 1 3" TYPE "A" FLOOR DRAIN WITH AUTOMATIC TRAP PRIMING CONNECTION SERVED FROM NEAREST FLUSH VALVE TAILPIECE.
2 CW AND HW FROM FLOOR BELOW TO FIXTURE(S). CONNECT 3/4" HW/R TO HW IN VERTICAL.
3 CW FROM FLOOR BELOW TO FIXTURE(S).
4 CW FROM FLOOR BELOW TO FIXTURE(S). PROVIDE SHUTOFF VALVE BEHIND ACCESS PANEL AT 12" AFF.
5 CW, HW AND HW/R FROM FLOOR BELOW TO FIXTURE(S).
6 DEDICATED SPRINKLER SUPPLY PIPE (ZONE #3) DOWN.
7 DEDICATED SPRINKLER SUPPLY PIPE (ZONE #4) UP AND DOWN.
8 DEDICATED SPRINKLER SUPPLY PIPE (ZONE #5) UP AND DOWN.
9 EXTEND TO AUTOMATIC WET PIPE SPRINKLER SYSTEM FOR THIS FLOOR.
10 FREE STANDING FIRE DEPARTMENT CONNECTION.
11 HWR, HW, AND CW FROM FLOOR BELOW UP TO HW/M-2 IN RECESSED CABINET. EXTEND 1/2" TW FROM MIXING VALVE TO FIXTURES, CONCEALED WITHIN WALL. MOUNT BOTTOM OF CABINET 9" AFF.
12 SAN DOWN THROUGH SLAB.
13 SAN FROM FIXTURE THROUGH FLOOR. PROVIDE AIR ADMITTANCE VALVE AT NOT LESS THAN 4" ABOVE TRAP WIER.
14 SAN FROM FIXTURE TO SAN THROUGH FLOOR. 1 1/2" VP DOWN TO SAN.
15 SAN FROM FIXTURES DOWN THROUGH FLOOR. 1 1/2" VP DOWN TO SAN AND UP TO 3" VTR.
16 SAN UP TO FIXTURE ON FLOOR ABOVE.
17 THIS AREA SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC WET PIPE SPRINKLER SYSTEM (ZONE #3). PER NFPA 13. FIRE PROTECTION PIPING IS SHOWN FOR COORDINATION PURPOSES. ALL FIRE PROTECTION PIPING SHALL BE PROVIDED ABOVE CEILINGS AND WITHIN WALL CAVITIES/CHASES.
18 THIS AREA SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC WET PIPE SPRINKLER SYSTEM (ZONE #4). PER NFPA 13. FIRE PROTECTION PIPING IS SHOWN FOR COORDINATION PURPOSES. ALL FIRE PROTECTION PIPING SHALL BE PROVIDED ABOVE CEILINGS AND WITHIN WALL CAVITIES/CHASES.
19 VP DOWN THROUGH FLOOR AND CONNECT TO 2" VP IN VERTICAL. APPROXIMATELY 18" AFF.
20 VP DOWN THROUGH FLOOR TO SAN BELOW.
21 VP UP.
22 VP UP TO FLOOR ABOVE FROM SAN.



1 FLOOR PLAN - GROUND LEVEL - PLUMBING
1/8" = 1'-0"



2 PART FLOOR PLAN - GROUND LEVEL - PLUMBING
1/4" = 1'-0"



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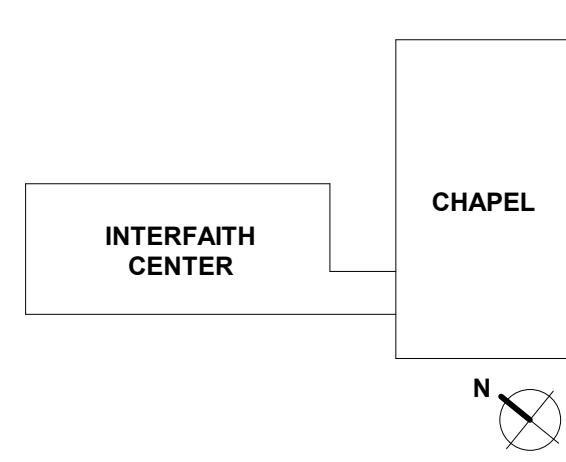
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KEY PLAN



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50% CONSTRUCTION DOCUMENTS

DRAWING NAME
FLOOR PLANS - LEVEL 2 - PLUMBING

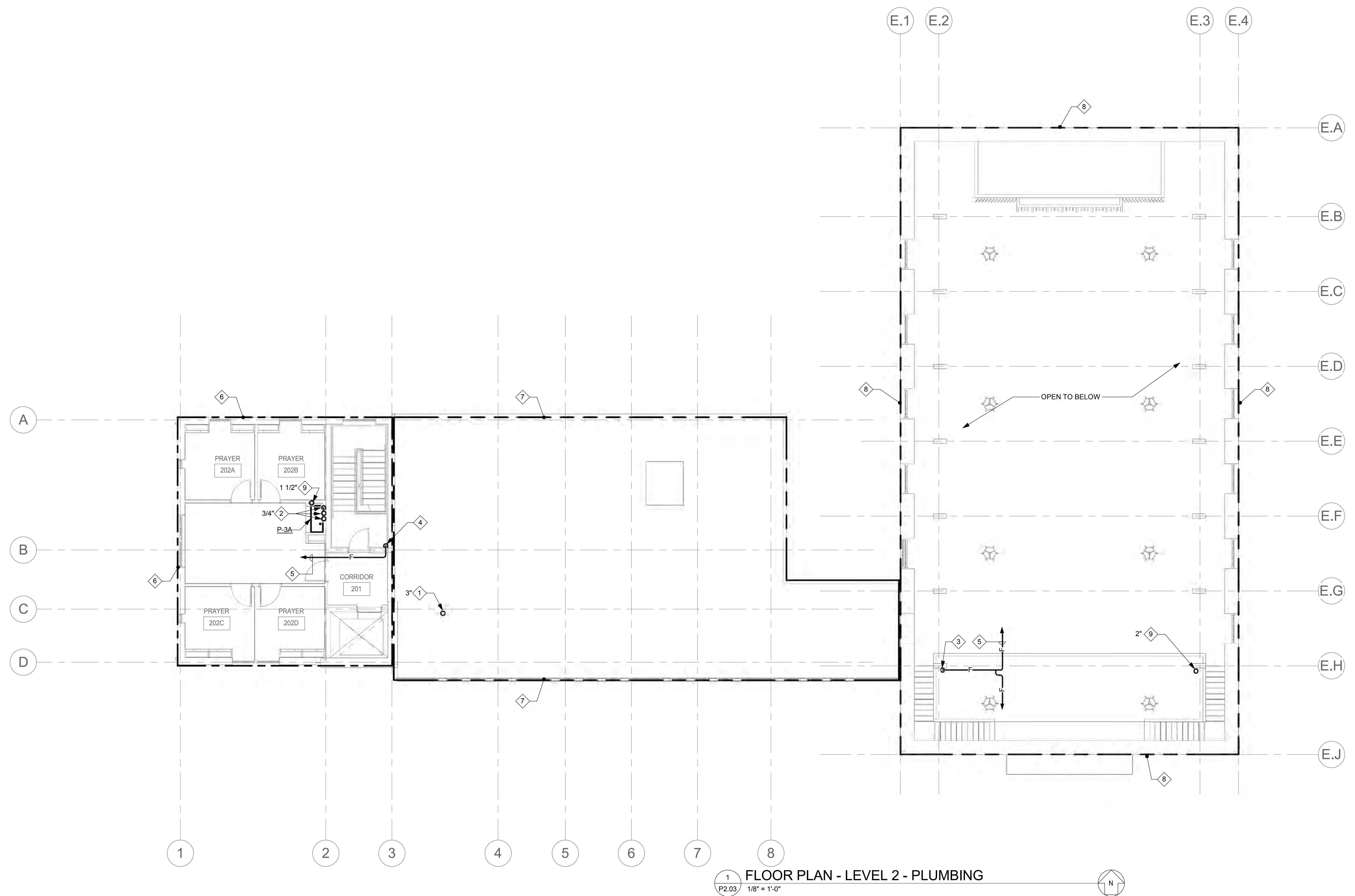
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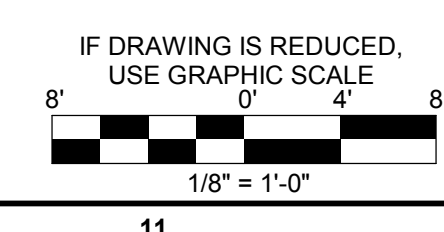
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SPECIAL NOTES:

- 1 3" VTR
2 CW, HW AND HWR FROM FLOOR BELOW TO FIXTURE(S).
3 DEDICATED SPRINKLER SUPPLY PIPE (ZONE #4) DOWN.
4 DEDICATED SPRINKLER SUPPLY PIPE (ZONE #5) DOWN.
5 EXTEND TO AUTOMATIC WET PIPE SPRINKLER SYSTEM FOR THIS FLOOR
6 THIS AREA SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC WET PIPE SPRINKLER SYSTEM (ZONE #5), PER NFPA 13. FIRE PROTECTION PIPING IS SHOWN FOR COORDINATION PURPOSES. ALL FIRE PROTECTION PIPING SHALL BE PROVIDED ABOVE CEILINGS AND WITHIN WALL CAVITIES/CHASES.
7 THIS AREA SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC WET PIPE SPRINKLER SYSTEM (ZONE #3), PER NFPA 13. FIRE PROTECTION PIPING IS SHOWN FOR COORDINATION PURPOSES. ALL FIRE PROTECTION PIPING SHALL BE PROVIDED ABOVE CEILINGS AND WITHIN WALL CAVITIES/CHASES.
8 THIS AREA SHALL BE PROTECTED BY A HYDRAULICALLY DESIGNED AUTOMATIC WET PIPE SPRINKLER SYSTEM (ZONE #4), PER NFPA 13. FIRE PROTECTION PIPING IS SHOWN FOR COORDINATION PURPOSES. ALL FIRE PROTECTION PIPING SHALL BE PROVIDED ABOVE CEILINGS AND WITHIN WALL CAVITIES/CHASES.
9 VP DOWN THROUGH FLOOR AND UP TO 3" VTR.



FLOOR PLAN - LEVEL 2 - PLUMBING
1/8" = 1'-0"



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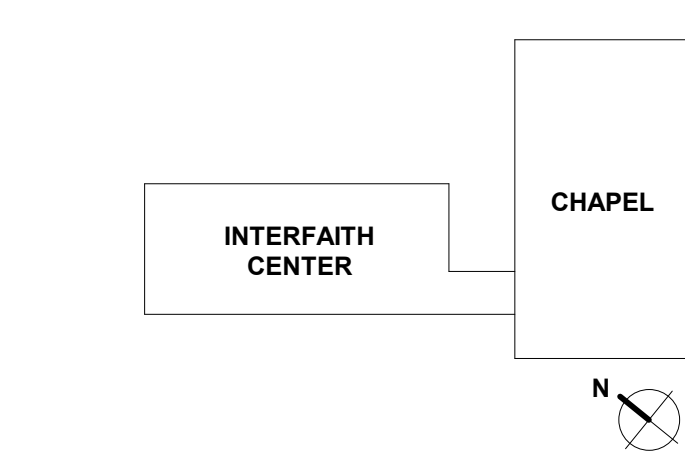
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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



ARCHITECTS + PLANNERS

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DRAWING INFORMATION	
ISSUE DATE:	04/28/17
SCALE:	1/8" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	Author

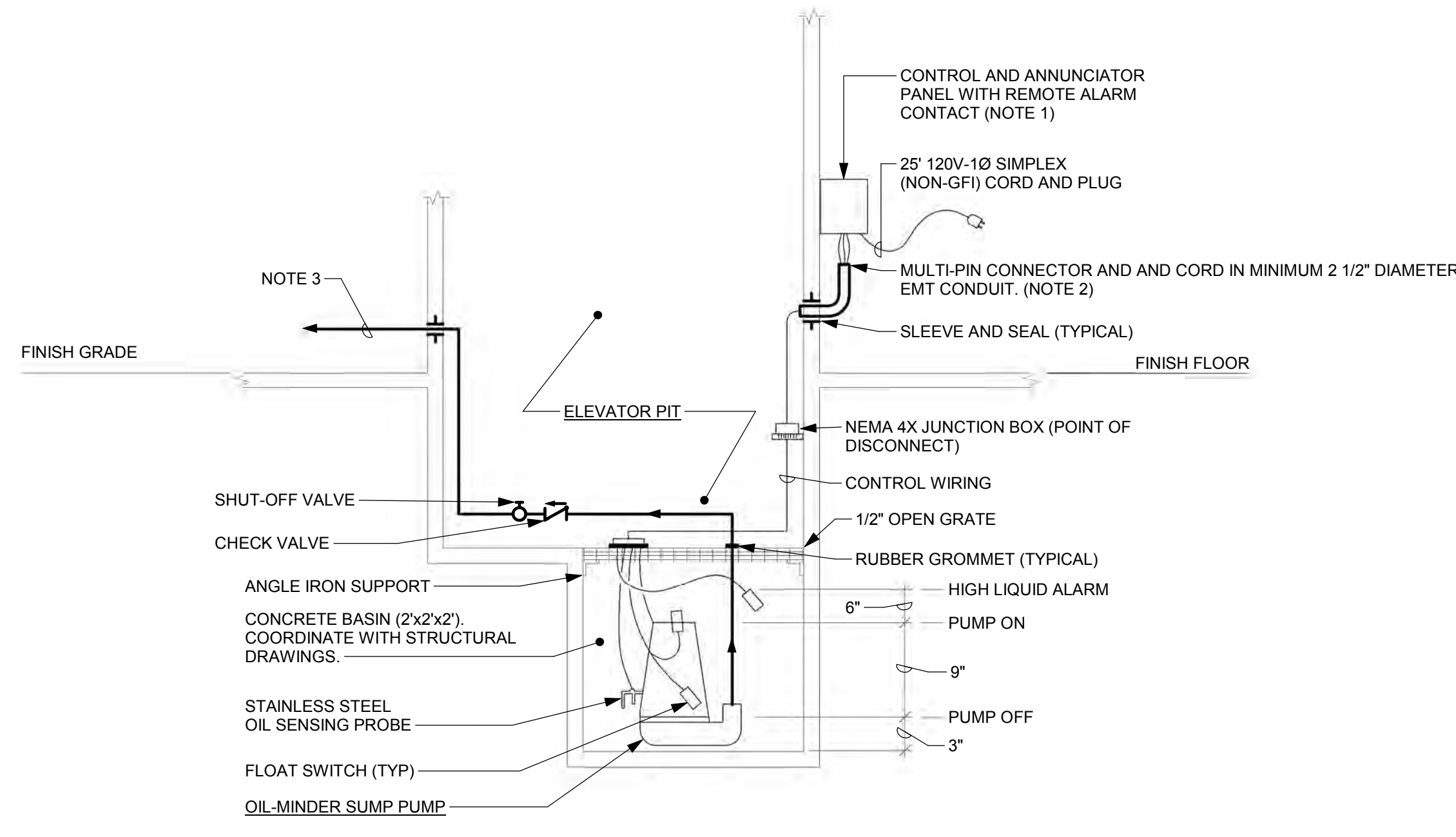
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DETAILS

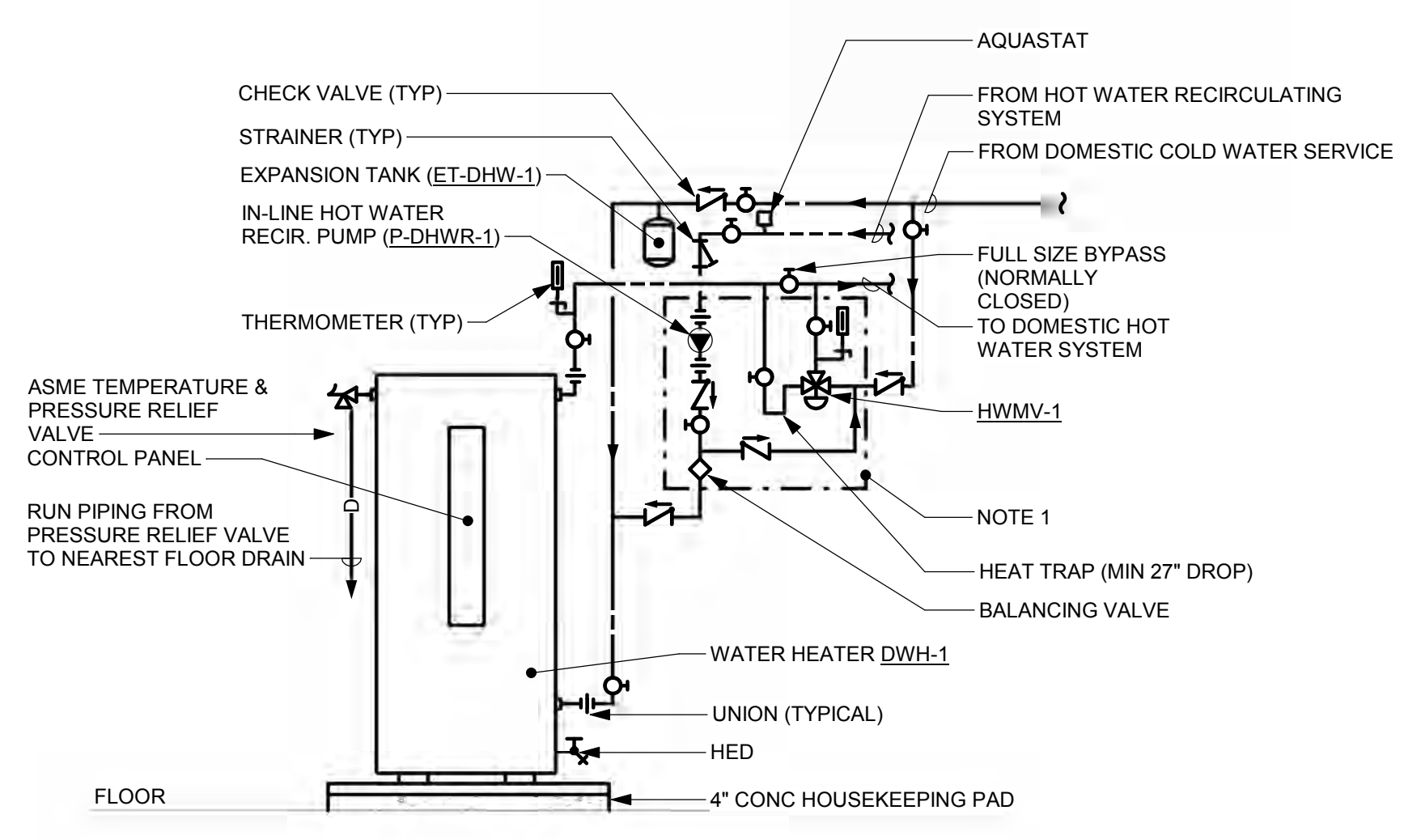
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P5.01



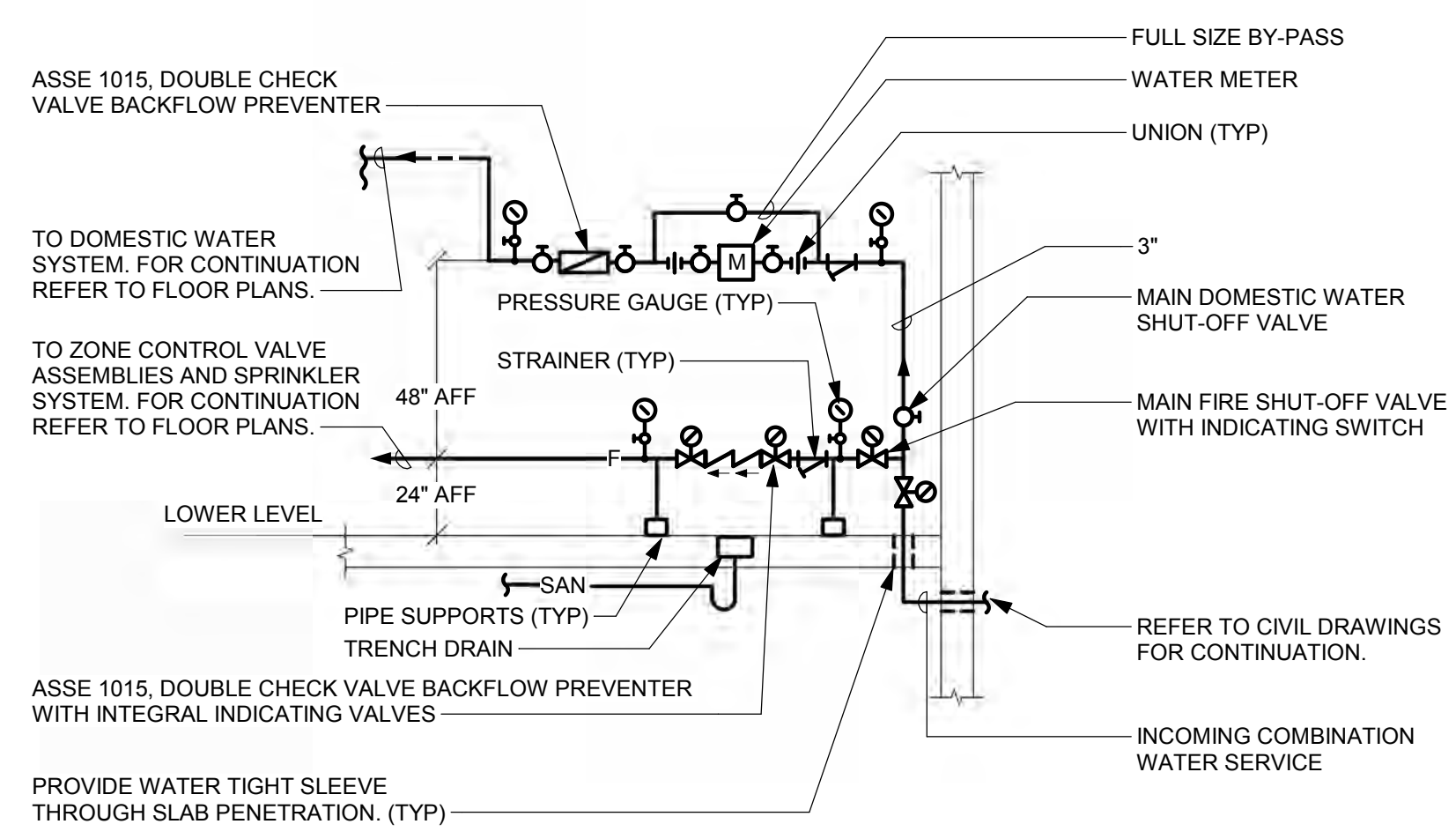
- NOTES:**
- LOCATION OF THE CONTROL PANEL, CORD AND OUTLET SHALL BE AS ACCEPTABLE BY THE ELEVATOR INSPECTOR.
  - CONTRACTOR SHALL COORDINATE REQUIRED LENGTH OF CORD, WIRING, CONDUIT, ETC. FOR PROJECT CONDITIONS.
  - FOR EXACT ROUTING OF SWPD PUMPED DISCHARGE PIPING REFER TO FLOOR PLANS.

1 ELEVATOR PIT "OIL MINDER" SUMP PUMP  
P5.01 / NOT TO SCALE



- NOTES:**
- MIXING VALVE AND RECIRCULATING PUMP SHALL BE MOUNTED ON SAME FACTORY ASSEMBLED PROVIDED MOUNTING SUPPORT STRUT AS PROVIDED BY MIXING VALVE MANUFACTURER.
  - HOT WATER TEMPERATURES SHALL BE NOT LESS THAN 140° F FOR STORAGE, 130° F FOR DISTRIBUTION TEMPERATURE, AND 125° F FOR RECIRCULATION RETURN.

2 ELECTRIC STORAGE WATER HEATER  
P5.01 / NOT TO SCALE



3 INCOMING DOMESTIC WATER SCHEMATIC  
P5.01 / NOT TO SCALE

STAPLE EDGE

PROJECT TEAM

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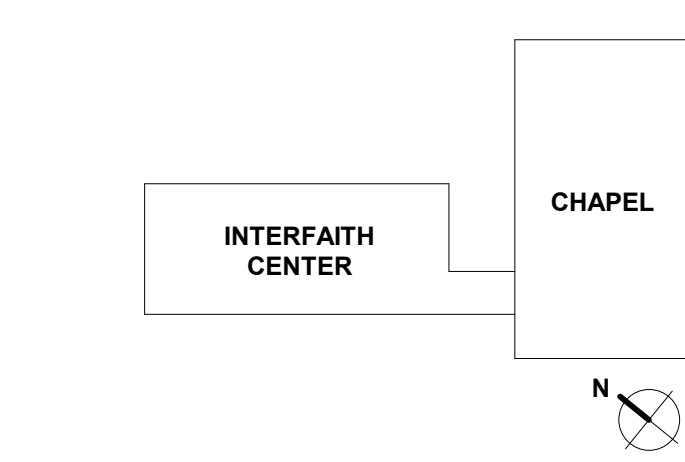
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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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SCALE:	As indicated
JOB NO.:	21641.00
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PROJECT DESIGN PHASE  
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SCHEDULES

DRAWING NUMBER

**P6.01**

PLUMBING FIXTURE SCHEDULE

DESIG	DESCRIPTION	FIXTURE UNITS		ROUGH-IN CONNECTION (IN)						REMARKS	
		WASTE	WATER	SAN	VENT	CW	HW	TW			
P-1	WATER CLOSET	4	10	4"	2"	1"					FLOOR MOUNTED, BARRIER FREE, SENSOR OPERATED FLUSH VALVE; 1.28 GPF
P-1A	WATER CLOSET	4	10	3"	1 1/2"	1/2"					FLOOR MOUNTED, BARRIER FREE, FLUSH TANK; 1.28 GPF
P-2	LAVATORY	2	2	1 1/2"	1 1/2"	1/2"	1/2"				WALL MOUNTED, BARRIER FREE, SENSOR OPERATED, NOTE 1 AND 2; 0.5 GPM
P-2A	LAVATORY	2	2	1 1/2"	1 1/2"	1/2"	1/2"				NOTE 2 AND 7; 0.5 GPM
P-3	ABLUTION SINK	2	2	2"	1 1/2"	1/2"	1/2"				FLOOR MOUNTED, BARRIER FREE, MANUALLY OPERATED, NOTE 1
P-3A	ABLUTION SINK	2	2	1 1/2"	1 1/2"	1/2"	1/2"				FLOOR MOUNTED, BARRIER FREE, MANUALLY OPERATED, NOTE 1
P-4	SHOWER	2	1.4	2"	1 1/2"	1/2"	1/2"				NOTE 4; 1.5 GPM
P-5	EMERGENCY EYEFACE WASH	0	0	1 1/2"	1 1/2"			1/2"			NOTE 5; MOUNT MIXING VALVE IN SURFACE MOUNTED CABINET
P-6	KITCHENETTE SINK	2	1.4	1 1/2"	1 1/2"	1/2"	1/2"				UNDERCOUNTER MOUNTED, BARRIER FREE; 1.5 GPM
P-7	REFRIGERATOR OUTLET BOX		0.25								WALL MOUNTED, RECESSED, MOUNT 48" ABOVE FLOOR, NOTE 6
P-8	MOP RECEPTOR	3	3	3"	1 1/2"	1/2"	1/2"	1/2"			FLOOR MOUNTED WITH EMERGENCY EYEWASH SPRAYER; NOTE 5

PUMPS - PLUMBING

DESIG	LOCATION	SERVICE	WATER FLOWRATE (GPM)	HEAD (FT HD)	MOTOR HP	ELECTRICAL			NOTES
						VOLTS	PH	HZ	
P-DWHR-1	012 BUILDING SUPPORT	DOMESTIC HOT WATER	5.0	15.0	0.5	120	1	60	
P-ELEV-1	ELEVATOR	ELEVATOR SUMP	50.0	25.0	0.5	120	1	60	PUMP CONTROLLER LOCATED IN 012 BUILDING SUPPORT.

FLOOR DRAINS

DESIG	DESCRIPTION	CONNECTION		REMARKS
		SYSTEM	SIZE (IN)	
FD-A	TOILET ROOM FLOOR DRAIN	SAN	3"	
FD-B	MECHANICAL ROOM FLOOR DRAIN	SAN	4"	
FD-C	CONDENSATE FLOOR DRAIN	SW	4"	PROVIDE WITH RAISED COLLAR AND FUNNEL
FD-D	TRENCH DRAIN	SAN	4"	

DOMESTIC HOT WATER MIXING VALVES

DESIG	LOCATION	SERVICE	GPM	HOT WATER TEMP. (°F)	MAX. PRESSURE DROP (PSI)	HEAT TRAP	REMARKS
HWMV-1	BUILDING SUPPORT 012	DOMESTIC HOT WATER DWH-1	20	130	10	27"	ASSE 1017.
HWMV-2	TOILET	LAVATORIES	0.5	110	10	---	ASSE 1070.
HWMV-3	BUILDING SUPPORT 012	P-5 EMERGENCY FIXTURES	5	85	10	---	ASSE 1071.

EXPANSION TANKS

DESIG	LOCATION	SERVICE	TANK VOLUME (GALLONS)	ACCEPTANCE VOLUME (GALLONS)	FILL PRESSURE (PSIG)	RELIEF VALVE SETTING (PSIG)	EQUALIZER PIPE SIZE (IN)	NOTES
ET-DHW-1	MER	DOMESTIC HOT WATER	16	8	80	125	3/4	B.O.D. AMTROL SERIES ST

ELECTRIC STORAGE WATER HEATER

DESIG	STORAGE (GAL.)	RECOVERY @ 100°F RISE (GPH)	KW TOTAL (MAX)	VOLTS/PHASE/HZ	NOTES
DWH-1	65	37	9	208/3/60	

STAPLE EDGE

STAPLE EDGE



ABBREVIATIONS

A	AMPERES
AC	ALTERNATING CURRENT
ACU	AIR CONDITIONING UNIT
AF	AMPERES FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERES INTERRUPTING CAPACITY
ARCH	ARCHITECTURAL
AT	AMPERES TRIP
ATC	AUTOMATIC TEMPERATURE CONTROL
AWG	AMERICAN WIRE GAGE
AV	AUDIOVISUAL
BLDG BUILDING	
C CONDUIT	
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CLG	CEILING
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CX	CONNECT TO EXISTING
DC DIRECT CURRENT	
DESIG	DESIGNATION
DN	DOWN
DWG	DRAWING
DX	DISCONNECT EXISTING
EA EACH	
EC	EMPTY CONDUIT
ECB	ENCLOSED CIRCUIT BREAKER
EF	EXHAUST FAN
EH	ELECTRIC HEATER
ELEC	ELECTRIC
EMH	ELECTRIC MANHOLE
EMT	ELECTRICAL METALLIC TUBING
EQUIP	EQUIPMENT
EW	ELECTRIC WATER COOLER
EHW	ELECTRIC WATER HEATER
EX	EXISTING
F FUSE	
FDAS	FIRE DETECTION ALARM SYSTEM
FDR	FEEDER
FLA	FULL LOAD AMPERES
FMC	FLEXIBLE METAL CONDUIT
FS	FUSIBLE SWITCH
FT	FOOT OR FEET
FVNR	FULL VOLTAGE NON-REVERSING
GFCI GROUND FAULT CIRCUIT INTERRUPTER	
GND	GROUND
HID HIGH INTENSITY DISCHARGE	
HDA	HAND-OFF-AUTOMATIC
HP	HORSEPOWER
HPS	HIGH PRESSURE STEAM
HTR	HEATER
HV	HIGH VOLTAGE
HZ	HERTZ
IMC INTERMEDIATE METAL CONDUIT	
JB	JUNCTION BOX
KCMIL THOUSAND CIRCULAR MILS	
KV	KILOVOLTS
KVA	KILOVOLT-AMPERE(S)
KW	KILOWATT(S)
LFMC LIQUIDTIGHT FLEXIBLE METAL CONDUIT	
LTG	LIGHTING
MAFC MAKE ALL FINAL CONNECTIONS	
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MH	MOUNTING HEIGHT (TO CENTERLINE OF DEVICE UNLESS OTHERWISE NOTED)
MLO	MAIN LUGS ONLY
MOA	MULTI-OUTLET ASSEMBLY
MS	MANUAL SWITCH
MTD	MOUNTED
MV	MEDIUM VOLTAGE
N NEUTRAL	
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NFS	NON-FUSED SWITCH
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
OL OVERLOAD	
P POLE	
PH	PHASE
PNL	PANEL
PVC	POLYVINYL CHLORIDE
RECEPT RECEPTACLE(S)	
REQD	REQUIRED
RF	RETURN FAN
RMC	RIGID METAL CONDUIT
RM(S)	ROOM(S)
RVAT	REDUCED VOLTAGE AUTOTRANSFORMER
RX	REMOVE EXISTING
SF SUPPLY FAN	
SMR	SURFACE METAL RACEWAY
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TA TRIP AMPERES	
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TYP	TYPICAL
UG UNDERGROUND	
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
V VOLT(S)	
VA	VOLT-AMPERE(S)
VT	VOLTAGE TRANSFORMER
VFC	VARIABLE FREQUENCY CONTROLLER
W WIRE	
WI	WITH
WP	WEATHERPROOF
XFMR TRANSFORMER	

SYMBOLS

LIGHTING	
	SINGLE POLE SWITCH MOUNTED 48" ABOVE FINISHED FLOOR, UNLESS OTHERWISE NOTED
SUBSCRIPTS AS FOLLOWS:	
3	- THREE WAY SWITCH
4	- FOUR WAY SWITCH
D	- DIMMER SWITCH
DS	- COMBINATION OCCUPANCY/DIMMER SWITCH
OS	- OCCUPANCY SENSOR
P	- SWITCH WITH PILOT LIGHT
T	- TIME SWITCH
WP	- SWITCH WITH WEATHERPROOF COVER
a	- LOWER CASE LETTER INDICATES SWITCH LEG
LIGHTING FIXTURE	
	LIGHTING FIXTURE, PENDANT MOUNTED
	LIGHTING FIXTURE, WALL MOUNTED
	INDUSTRIAL LIGHTING FIXTURE
	LIGHTING TRACK
	LIGHTING FIXTURE, TRACK MOUNTED
	LIGHTING FIXTURE, CEILING MOUNTED
	LIGHTING FIXTURE, WALL MOUNTED
	LIGHTING FIXTURE, WALL WASHER
	DECORATIVE LIGHTING FIXTURE, PENDANT MOUNTED
	DECORATIVE LIGHTING FIXTURE, SURFACE MOUNTED
	EXIT SIGN - BACK MOUNTED WITH DIRECTIONAL INDICATORS AS SHOWN
	EXIT SIGN - TOP OR PENDANT MOUNTED, SINGLE FACE WITH DIRECTIONAL INDICATORS AS SHOWN
	EXIT SIGN - TOP OR PENDANT MOUNTED, DOUBLE FACE WITH DIRECTIONAL INDICATORS AS SHOWN
	EMERGENCY LIGHTING UNIT MOUNTED 90" AFF
	OCCUPANCY SENSOR, CEILING MOUNTED - ARROWS INDICATE DIRECTION OF SENSOR BEAM AIMING
	OCCUPANCY SENSOR, WALL MOUNTED - ARROWS INDICATE DIRECTION OF SENSOR BEAM AIMING
	PHOTOELECTRIC CONTROL SWITCH
	TIMECLOCK
	CONTACTOR MOUNTED 5'-6" TO TOP OF ENCLOSURE
POWER - FLOOR PLANS	
	SINGLE RECEPTACLE MOUNTED 18" AFF, UNLESS OTHERWISE NOTED
DUPLEX RECEPTACLE MOUNTED 18" AFF, UNLESS OTHERWISE NOTED	
SUBSCRIPTS AS FOLLOWS:	
E	- CONNECTED TO EMERGENCY CIRCUIT
G	- GROUND FAULT INTERRUPTER TYPE
IG	- ISOLATED GROUND
WC	- WATER COOLER
WP	- WEATHERPROOF (WET LOCATION)
84"	- MOUNTING HEIGHT AS INDICATED
	DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER, 6" ABOVE BACKSPASH
	QUAD RECEPTACLE MOUNTED 18" AFF, UNLESS OTHERWISE NOTED
	SPECIAL RECEPTACLE MOUNTED 18" AFF, UNLESS OTHERWISE NOTED (NEMA CONFIGURATION AS INDICATED)
	SINGLE RECEPTACLE MOUNTED IN FLOOR
	DUPLEX RECEPTACLE MOUNTED IN FLOOR
	QUAD RECEPTACLE MOUNTED IN FLOOR
	SPECIAL RECEPTACLE MOUNTED IN FLOOR (NEMA CONFIGURATION AS INDICATED)
	SPECIALTY FLOOR BOX
	POKE-THRU TYPE FLOOR BOX
	JUNCTION BOX MOUNTED IN FLOOR
	DUPLEX RECEPTACLE MOUNTED FLUSH IN CEILING
	QUAD RECEPTACLE MOUNTED FLUSH IN CEILING
	CLOCK HANGER OUTLET MOUNTED 90" AFF, UNLESS OTHERWISE NOTED
	DUPLEX RECEPTACLES MOUNTED IN MULTI-OUTLET ASSEMBLY
	208Y/120V PANELBOARD (SURFACE MOUNTED)
	208Y/120V PANELBOARD (FLUSH MOUNTED)
	480Y/277V PANELBOARD (SURFACE MOUNTED)
	480Y/277V PANELBOARD (FLUSH MOUNTED)
	JUNCTION BOX
	PROJECTOR CONNECTION, PROVIDE DUPLEX RECEPTACLE MOUNTED FLUSH IN CEILING.
HEATER CONNECTION	
	ENGINE GENERATOR SET
	MOTOR CONNECTION
	PUSHBUTTON
	NON-FUSIBLE SWITCH
	FUSIBLE SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC MOTOR STARTER
	ENCLOSED CIRCUIT BREAKER
	TRANSFORMER
	VARIABLE FREQUENCY CONTROLLER
	GROUND ROD
	MANUAL MOTOR STARTER MOUNTED 5'-0" AFF
	UNDERGROUND DUCT BANK

FIRE DETECTION AND ALARM SYSTEMS

	SMOKE DETECTOR
I	- IONIZATION
P	- PHOTOELECTRIC
BT	- BEAM TRANSMITTER
BR	- BEAM RECEIVER
	DUCT SMOKE DETECTOR
	HEAT DETECTOR
R/C	- COMBINATION RATE OF RISE AND FIXED TEMPERATURE
R	- RATE OF RISE
F	- FIXED TEMPERATURE
R	- RATE OF RISE
	MANUAL PULL STATION MOUNTED 48" AFF
	AUDIBLE DEVICE MOUNTED 6" BELOW CEILING OR 90" AFF, WHICHEVER IS LOWER
	STROBE LIGHT MOUNTED 6" BELOW CEILING OR 90" AFF, WHICHEVER IS LOWER (SUBSCRIPTED NUMBER INDICATES LUMINOUS INTENSITY OF STROBE LIGHT IN CANDELAS)
	COMBINATIONAL AUDIBLE DEVICE AND STROBE LIGHT MOUNTED 6" BELOW CEILING OR 90" AFF, WHICHEVER IS LOWER (SUBSCRIPTED NUMBER INDICATES LUMINOUS INTENSITY OF STROBE LIGHT IN CANDELAS)
	FLOW SWITCH CONNECTION
	VALVE TAMPER SWITCH CONNECTION
	MAGNETIC DOOR HOLDER
MISCELLANEOUS BOXES AND DEVICES	
FACP	- FIRE ALARM CONTROL PANEL
FAA	- FIRE ALARM ANNUNCIATOR PANEL
ESR	- ELEVATOR STATUS/RECALL
FPS	- FIRE PUMP STATUS
EGS	- EMERGENCY GENERATOR STATUS

TELECOMMUNICATIONS

	DATA OUTLET BOX MOUNTED 18" AFF, WITH 1" C TO ABOVE CEILING
	VOICE OUTLET BOX MOUNTED 18" AFF, WITH 1" C TO ABOVE CEILING
	DATA OUTLET BOX MOUNTED IN FLOOR, WITH 1" C TO ABOVE CEILING
	VOICE OUTLET BOX MOUNTED IN FLOOR, WITH 1" C TO ABOVE CEILING
	SPECIALTY VOICE OUTLET
P	- PAY STATION MOUNTED 48" AFF, WITH 1" C TO ABOVE CEILING
W	- WALL PHONE MOUNTED 48" AFF, WITH 1" C TO ABOVE CEILING
	VOICE/DATA OUTLET BOX MOUNTED 18" AFF, WITH 1" C TO ABOVE CEILING
	VOICE/DATA OUTLET BOX MOUNTED IN FLOOR, WITH 1" C TO ABOVE CEILING
	DATA JACK MOUNTED IN PEDESTAL
	DATA JACK MOUNTED IN FLUSH CEILING
	SPEAKER MOUNTED IN FLUSH CEILING
	SPEAKER MOUNTED IN WALL
	VOLUME CONTROL SWITCH MOUNTED 48" AFF
	MICROPHONE JACK MOUNTED IN FLOOR
	MICROPHONE JACK WALL MOUNTED 18" AFF, UNLESS OTHERWISE NOTED
	TELEPHONE JACKBOARD
	CABLE TRAY

POWER (ONE LINE)

	GROUND
	TRANSFORMER
	CURRENT TRANSFORMER
	VOLTAGE TRANSFORMER
	STATIONARY CIRCUIT BREAKER
	DRAW-OUT CIRCUIT BREAKER
	SHUNT-TRIP CIRCUIT BREAKER
	NETWORK PROTECTOR
	FUSE
	DISCONNECT SWITCH
	THERMAL OVERLOADS
	CONTACTS
	METER
	TRANSFER SWITCH
	LIGHTNING ARRESTOR
	KEY OPERATED MECHANICAL INTERLOCK
	FUSED CUTOUT
	FUSED DISCONNECT SWITCH

DRAWING CONVENTIONS

SYMBOL DESCRIPTION		
	POINT OF CONNECTION - NEW TO EXISTING	
	DEMOLITION WORK TERMINATION POINT	
	INDICATES FEEDER	
	NUMBER INDICATES FEEDER DESIGNATION. REFER TO FEEDER SCHEDULE FOR CONDUCTOR AND CONDUIT SIZE	
	INDICATES SPECIAL NOTE	
	NUMBER INDICATES SPECIAL NOTE DESIGNATION REFER TO SPECIAL NOTE LIST ON DRAWING FOR DESCRIPTION OF ITEM	
	LIGHTING FIXTURE	
	SWITCH DESIGNATION	
	LIGHTING FIXTURE TYPE, REFER TO LIGHTING FIXTURE SCHEDULE	
	DIAGONAL LINE INDICATES EMERGENCY LIGHTING FIXTURE	
	INDICATES DIRECTION OF CUTTING PLANE	
	NUMBER OR LETTER INDICATES SECTION OR ELEVATION	
	DRAWING NUMBER WHERE ELEVATION OR SECTION IS TAKEN OR DRAWN	
	INDICATES PANELBOARD OR MOTOR CONTROL CENTER DESIGNATION AND CIRCUIT NUMBER	
	BRANCH CIRCUIT HOME RUN; ARROWHEADS INDICATE NUMBER OF CIRCUITS. INCLUDE ONE EQUIPMENT GROUND CONDUCTOR.	
	INDICATES WIRE SIZE (AWG OR CIRCULAR MILS) IF OTHER THAN BRANCH CIRCUIT WIRE SIZING STANDARD INDICATED BELOW.	
	EACH BRANCH CIRCUIT SHALL HAVE A DEDICATED NEUTRAL CONDUCTOR.	
	"E" INDICATES EMERGENCY CIRCUIT WITH #10 MINIMUM SIZE IN 3/4" C.	
BRANCH CIRCUIT WIRE SIZING STANDARD		
WIRE	DISTANCE FOR 120V	DISTANCE FOR 277V
#12	UP TO 75 FEET	UP TO 150 FEET
#10	UP TO 120 FEET	UP TO 250 FEET
#8	UP TO 190 FEET	UP TO 400 FEET
NUMBER OF PANEL OR EQUIPMENT		
SECTION OF BUILDING		
H	= 480Y/277V	
L	= 208Y/120V	
M	= MOTOR CONTROL CENTER	
T	= TRANSFORMER	
P	= DEDICATED PANEL	
E	= EMERGENCY	
S	= STANDBY	
D	= DISTRIBUTION	
CONDUIT RUN CONCEALED IN WALL OR CEILING IN FINISHED AREAS, EXPOSED IN UNFINISHED AREAS (#12 IN 3/4" C UNLESS OTHERWISE NOTED)		
CONDUIT UNDERGROUND OR UNDER SLAB (#12 IN 3/4" C UNLESS OTHERWISE NOTED)		
CONDUIT UP		
CONDUIT DOWN		
HEAVY LINE WEIGHT DESIGNATES NEW WORK ON NEW WORK PLANS, REMOVAL WORK ON DEMOLITION PLANS		
LIGHT LINE WEIGHT DESIGNATES EXISTING WORK TO REMAIN		

PROJECT INFORMATION



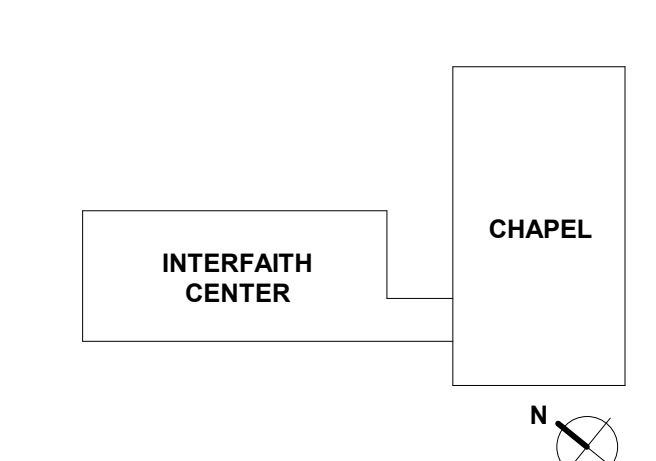
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REVISIONS

REV. #	DESCRIPTION	DATE

KEY PLAN



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JOB NO.:	21641.00
DRAWN BY:	Author

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

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**ELECTRICAL LEGEND**

DRAWING NUMBER  
**E001**

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Table with 3 columns: REV. #, DESCRIPTION, DATE. Includes a KEY PLAN showing INTERFAITH CENTER and CHAPEL.



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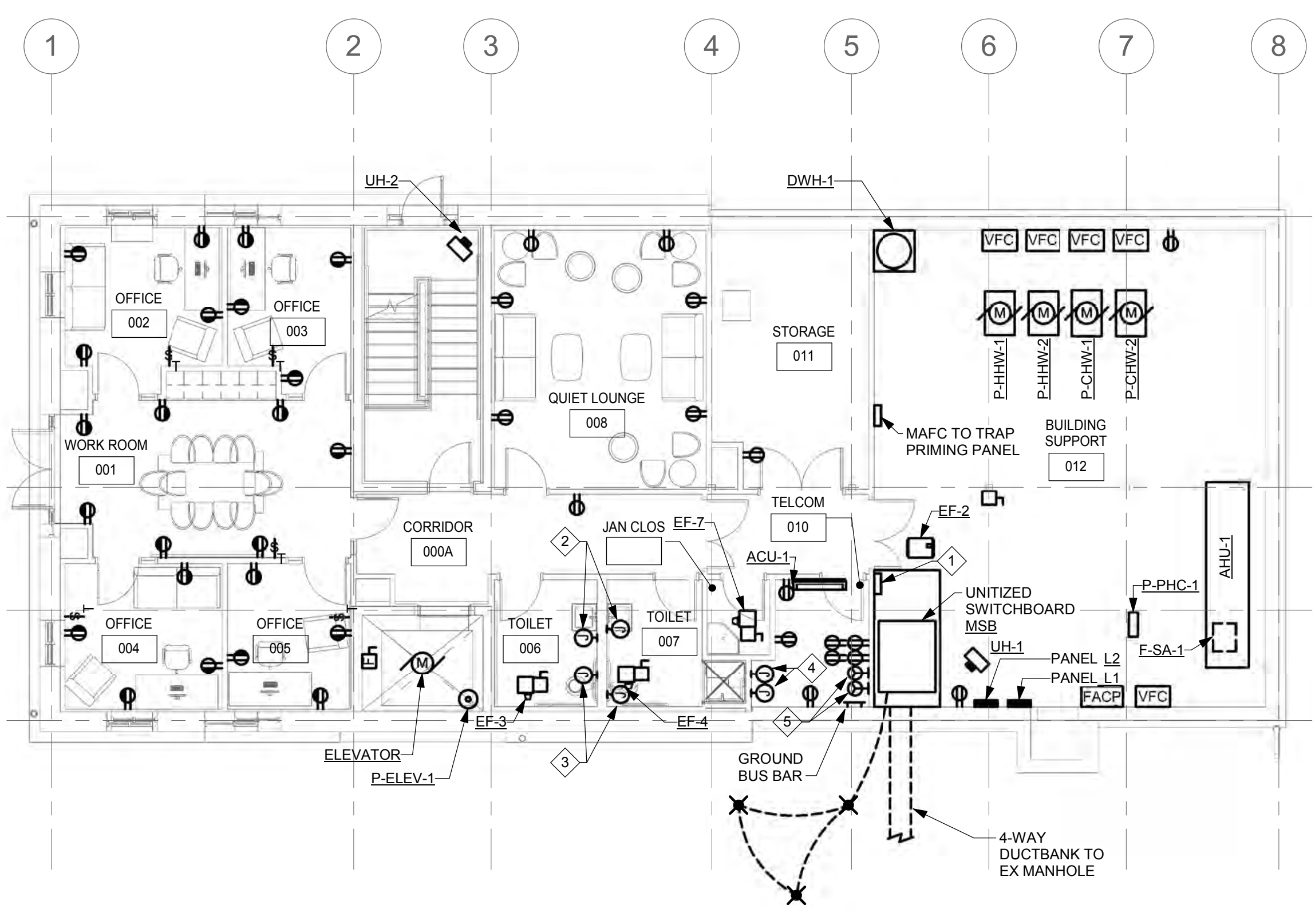
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DRAWING NAME: FLOOR PLANS - LOWER LEVEL - ELECTRICAL

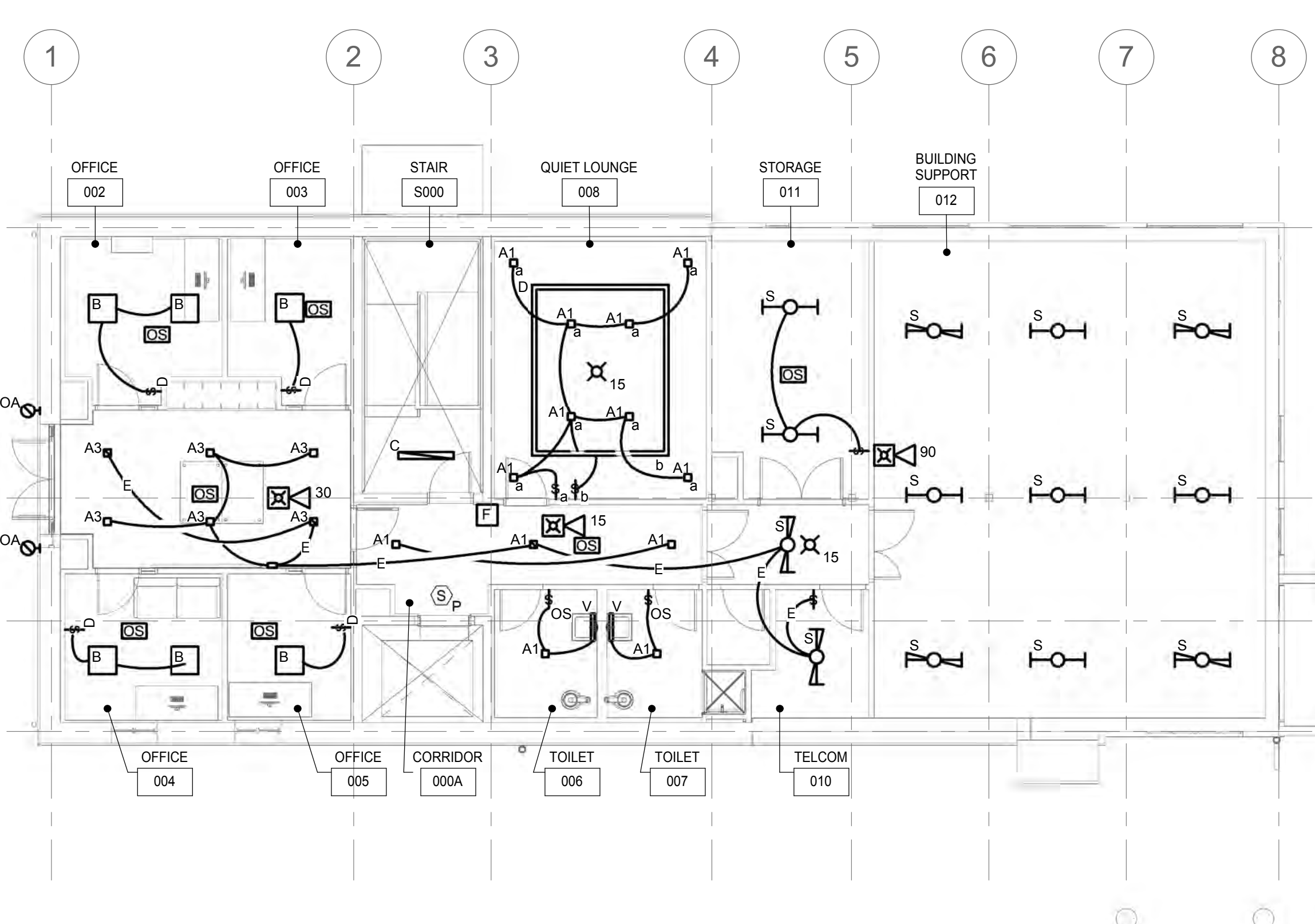
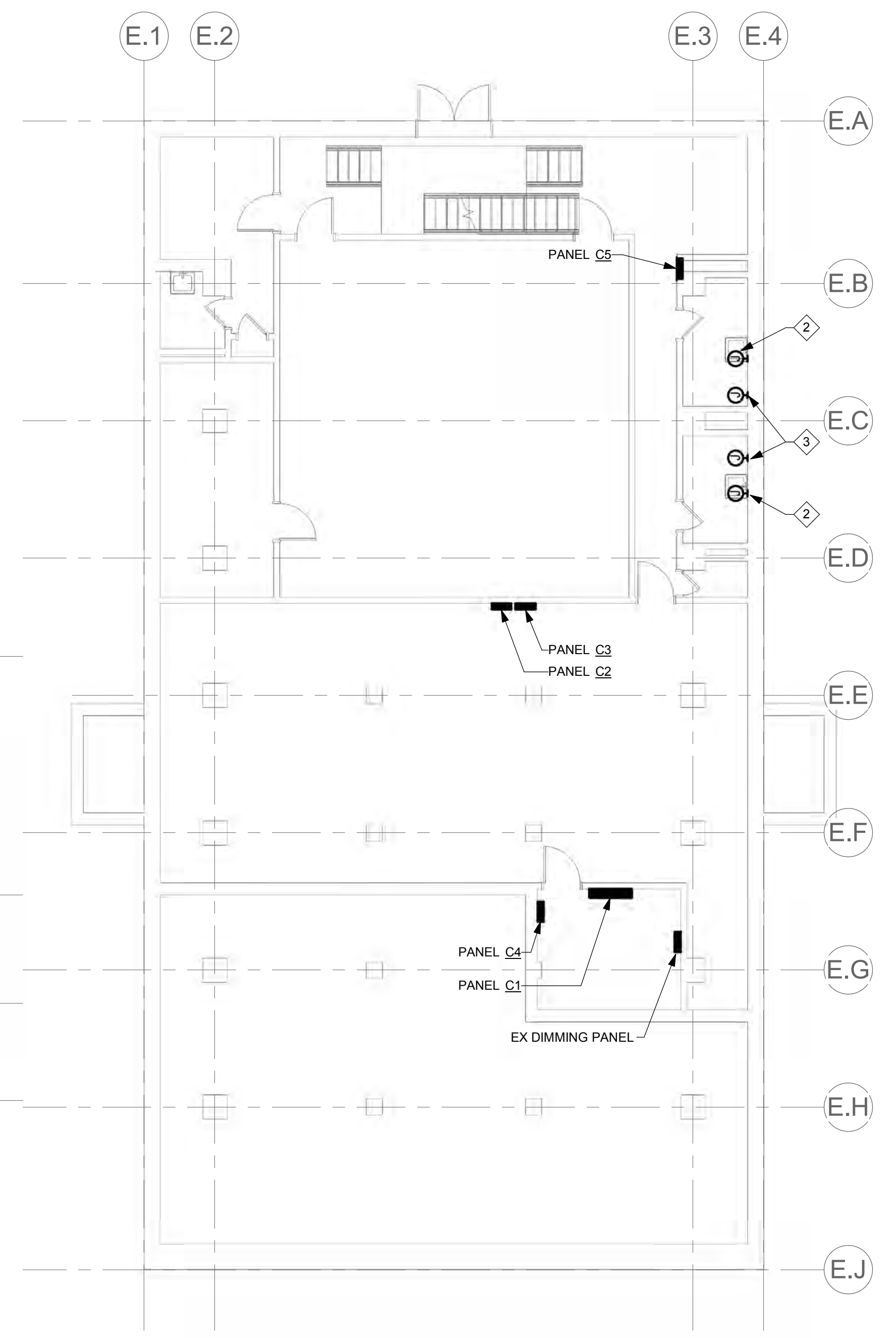
DRAWING NUMBER: E2.01

DRAWING NOTES:
A FOR SYMBOLS, ABBREVIATIONS, AND DRAWING CONVENTIONS, REFER TO DRAWING E0.01.

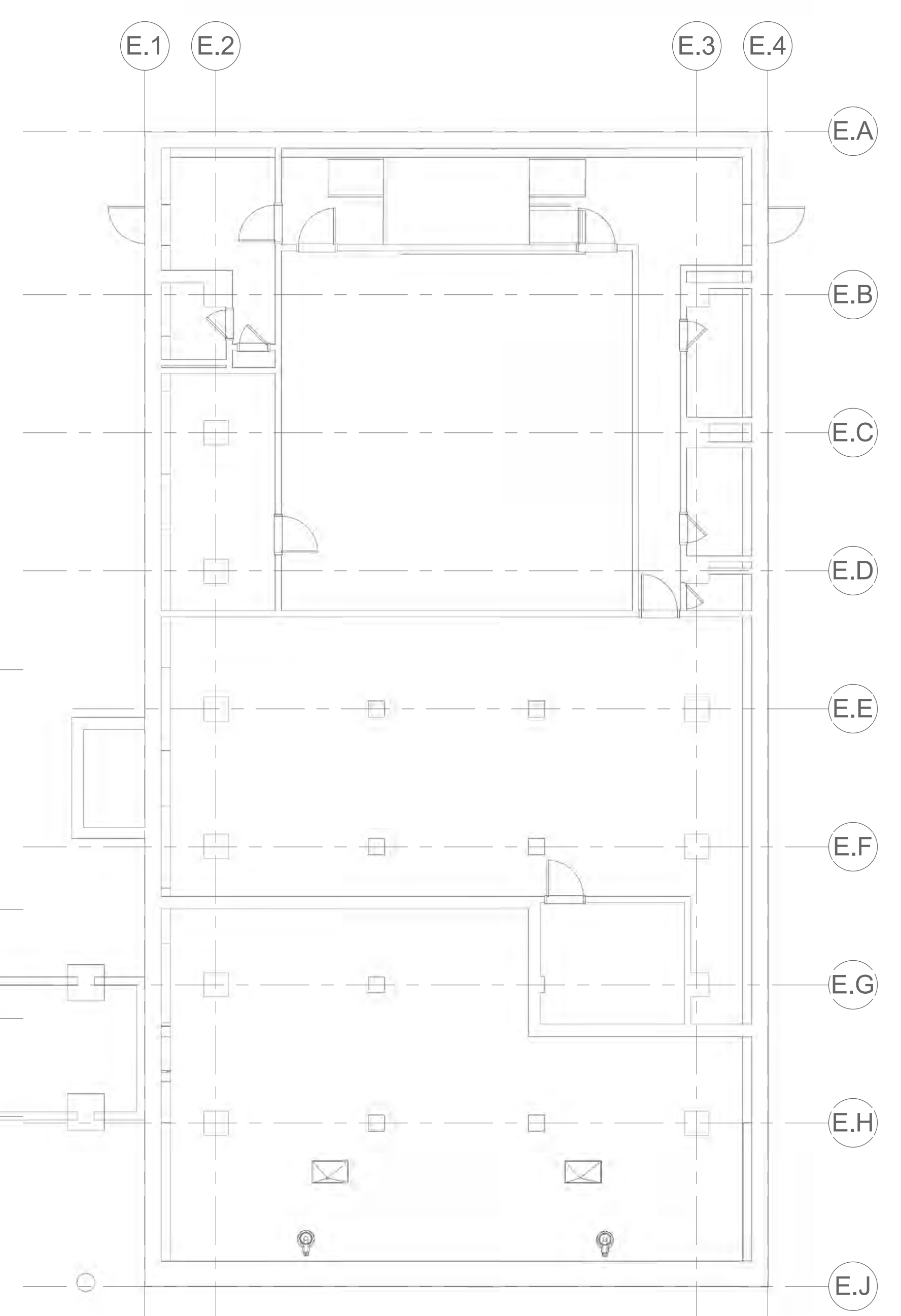
- SPECIAL NOTES:
1 MAKE ALL FINAL CONNECTIONS TO CONTROL PANEL FOR ELEVATOR SUMP PUMP, P-ELEV-1. COORDINATE CONNECTION REQUIREMENTS TO PUMP WITH MANUFACTURER.
2 MAKE ALL FINAL CONNECTIONS TO AUTOMATIC FAUCETS.
3 MAKE ALL FINAL CONNECTIONS TO AUTOMATIC TOILETS.
4 MAKE ALL FINAL CONNECTIONS TO SECURITY HEAD-END EQUIPMENT.
5 PROVIDE NEMA L5-30R.



1 FLOOR PLAN - LOWER LEVEL - POWER
E2.01
1/8" = 1'-0"



2 FLOOR PLAN - LOWER LEVEL - LIGHTING & FIRE ALARM
E2.01
1/8" = 1'-0"



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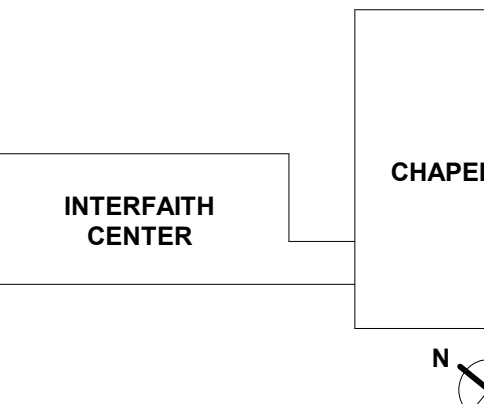
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REVISIONS		
REV. #	DESCRIPTION	DATE

KEY PLAN



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DRAWING INFORMATION	
ISSUE DATE:	04/26/17
SCALE:	1/8" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	Author

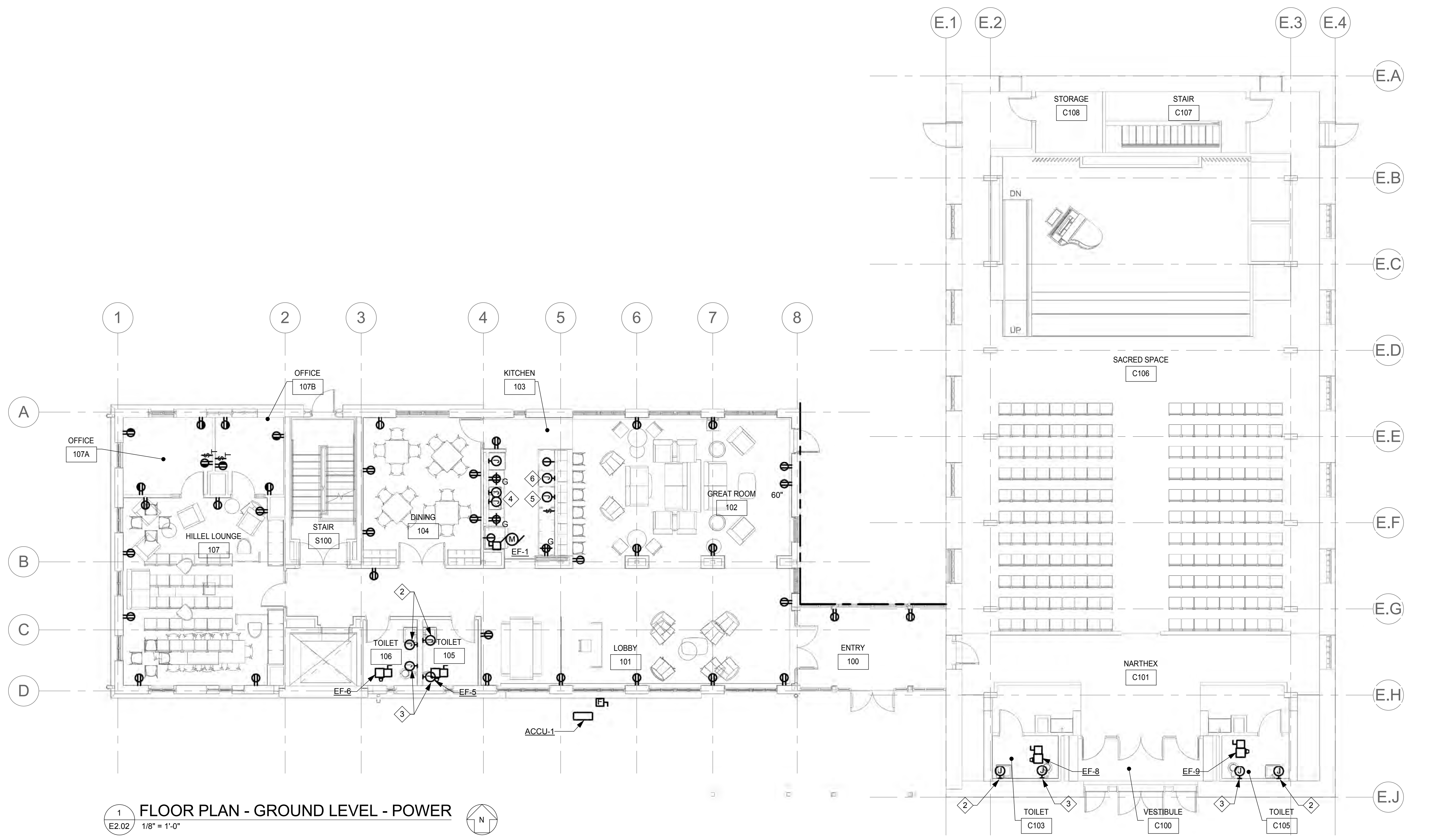
PROJECT DESIGN PHASE  
50% CONSTRUCTION DOCUMENTS

DRAWING NAME  
FLOOR PLANS - GROUND LEVEL - ELECTRICAL

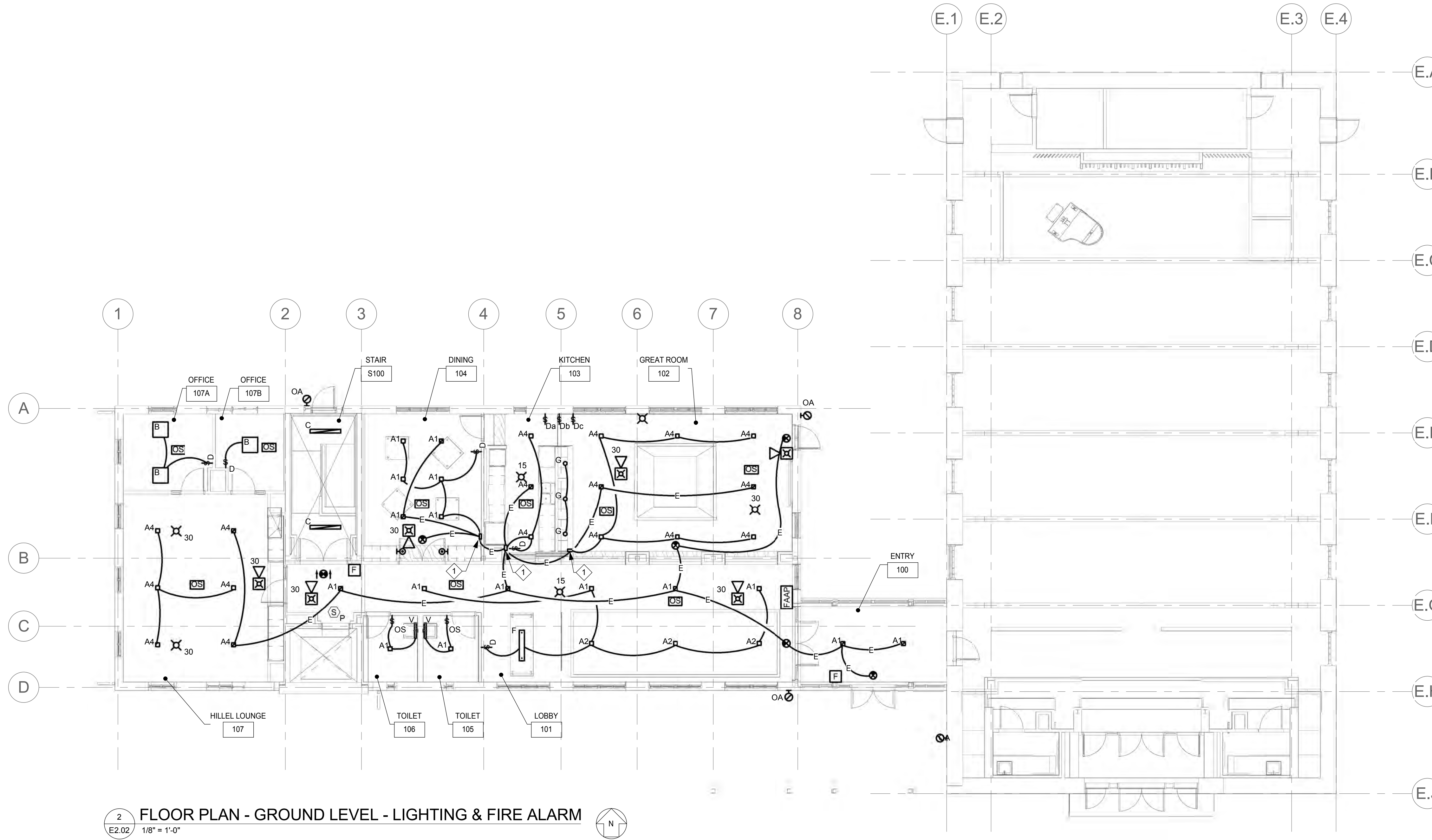
DRAWING NUMBER  
**E2.02**

DRAWING NOTES:  
A FOR SYMBOLS, ABBREVIATIONS, AND DRAWING CONVENTIONS, REFER TO DRAWING E0.01.

- SPECIAL NOTES:
- EMERGENCY LIGHTING RELAY.
  - MAKE ALL FINAL CONNECTIONS TO AUTOMATIC FAUCETS.
  - MAKE ALL FINAL CONNECTIONS TO AUTOMATIC TOILETS.
  - MAKE ALL FINAL CONNECTIONS TO RANGE AND RANGE HOOD.
  - MAKE ALL FINAL CONNECTIONS TO DISPOSAL. COORDINATE LOCATION OF TOGGLE SWITCH WITH ARCHITECT.
  - MAKE ALL FINAL CONNECTIONS TO DISHWASHER.



1 FLOOR PLAN - GROUND LEVEL - POWER  
E2.02 1/8" = 1'-0"



2 FLOOR PLAN - GROUND LEVEL - LIGHTING & FIRE ALARM  
E2.02 1/8" = 1'-0"

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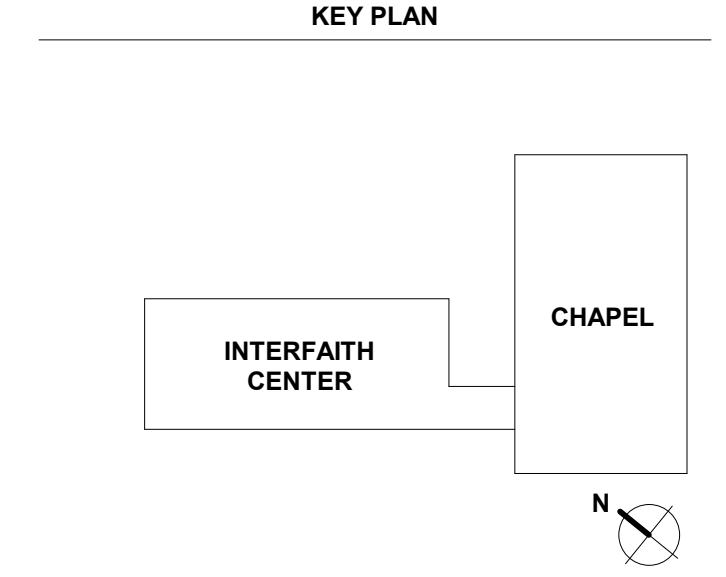
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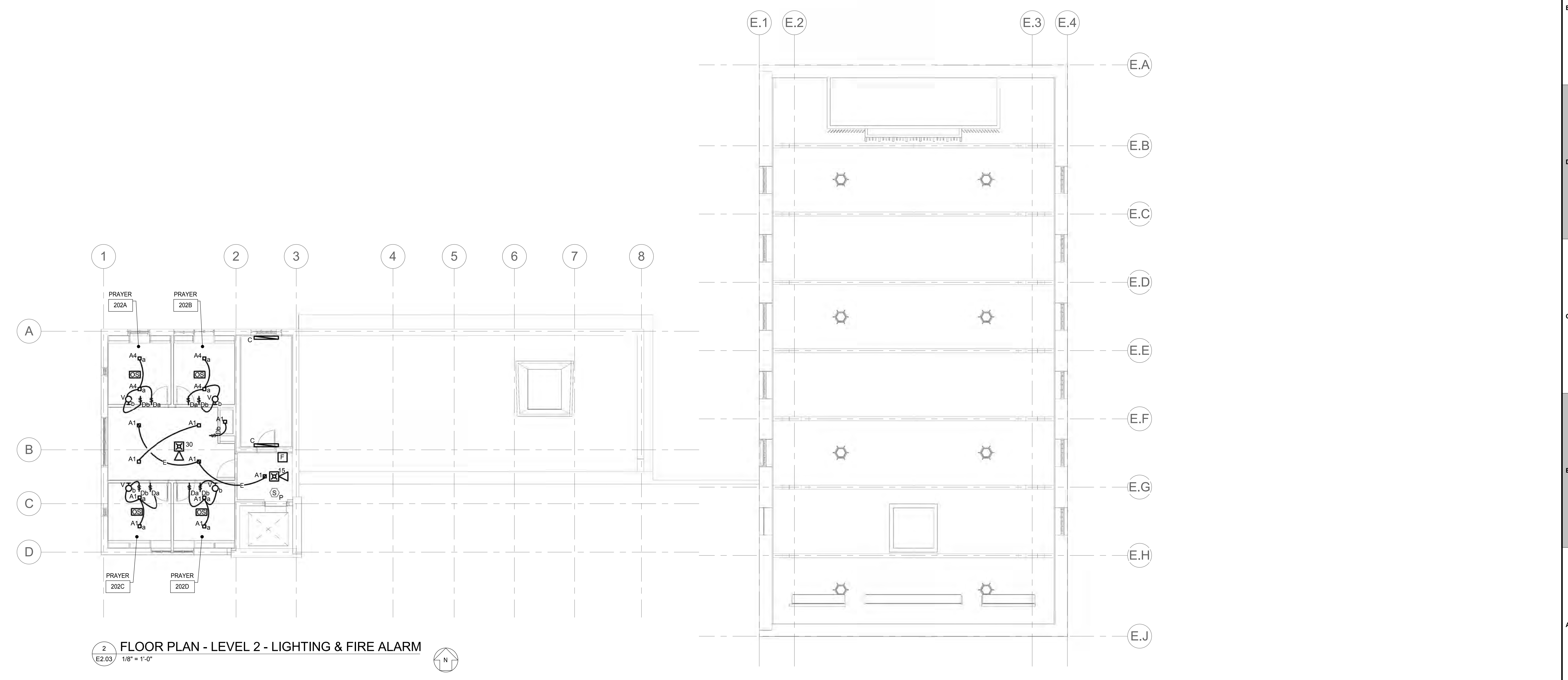
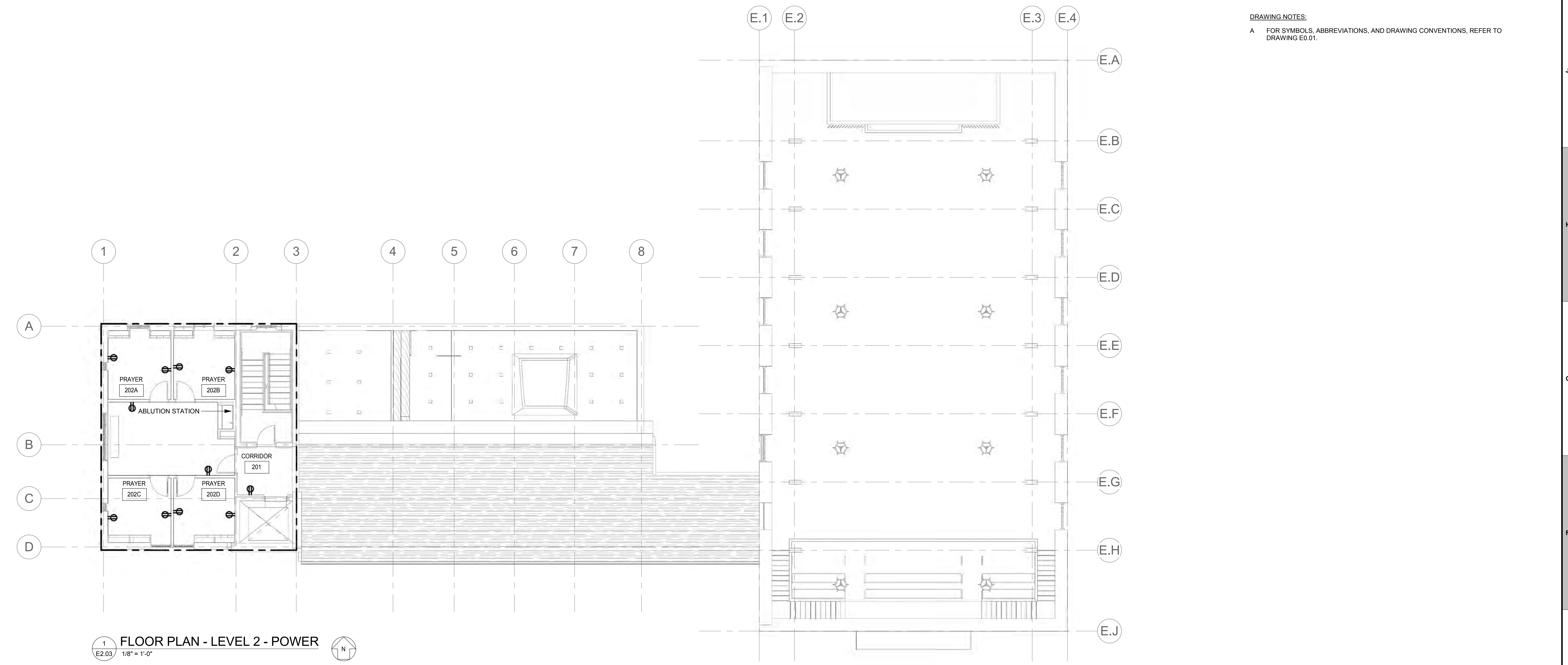
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DRAWN BY:	Author

PROJECT DESIGN PHASE  
**50% CONSTRUCTION DOCUMENTS**

DRAWING NAME  
**FLOOR PLANS - LEVEL 2 - ELECTRICAL**

DRAWING NUMBER  
**E2.03**

DRAWING NOTES:  
A FOR SYMBOLS, ABBREVIATIONS, AND DRAWING CONVENTIONS, REFER TO DRAWING E0.01.



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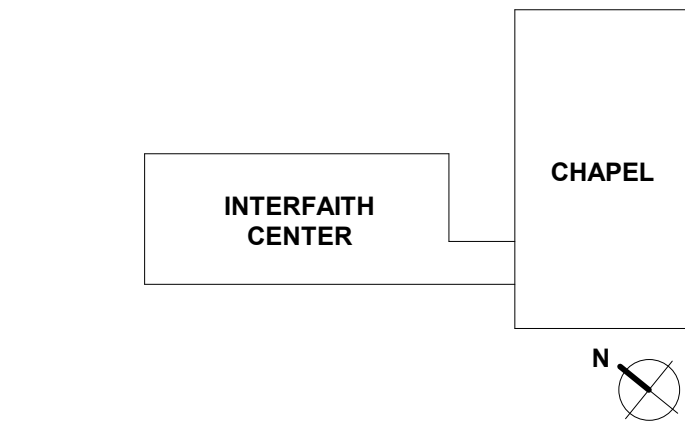
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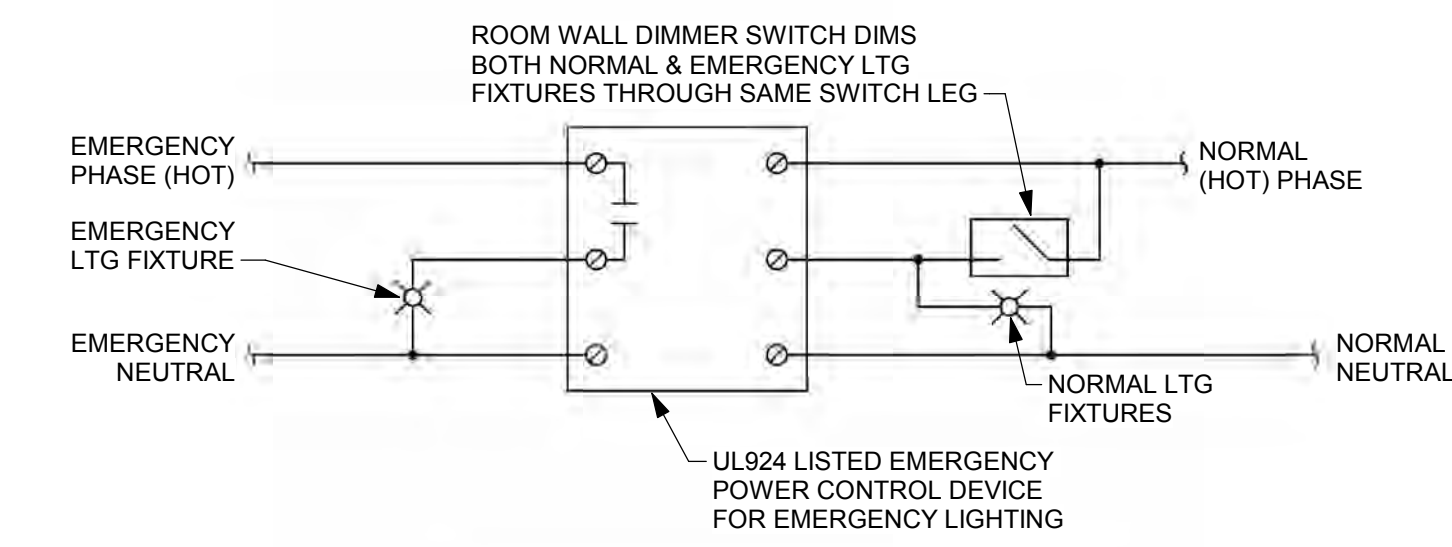
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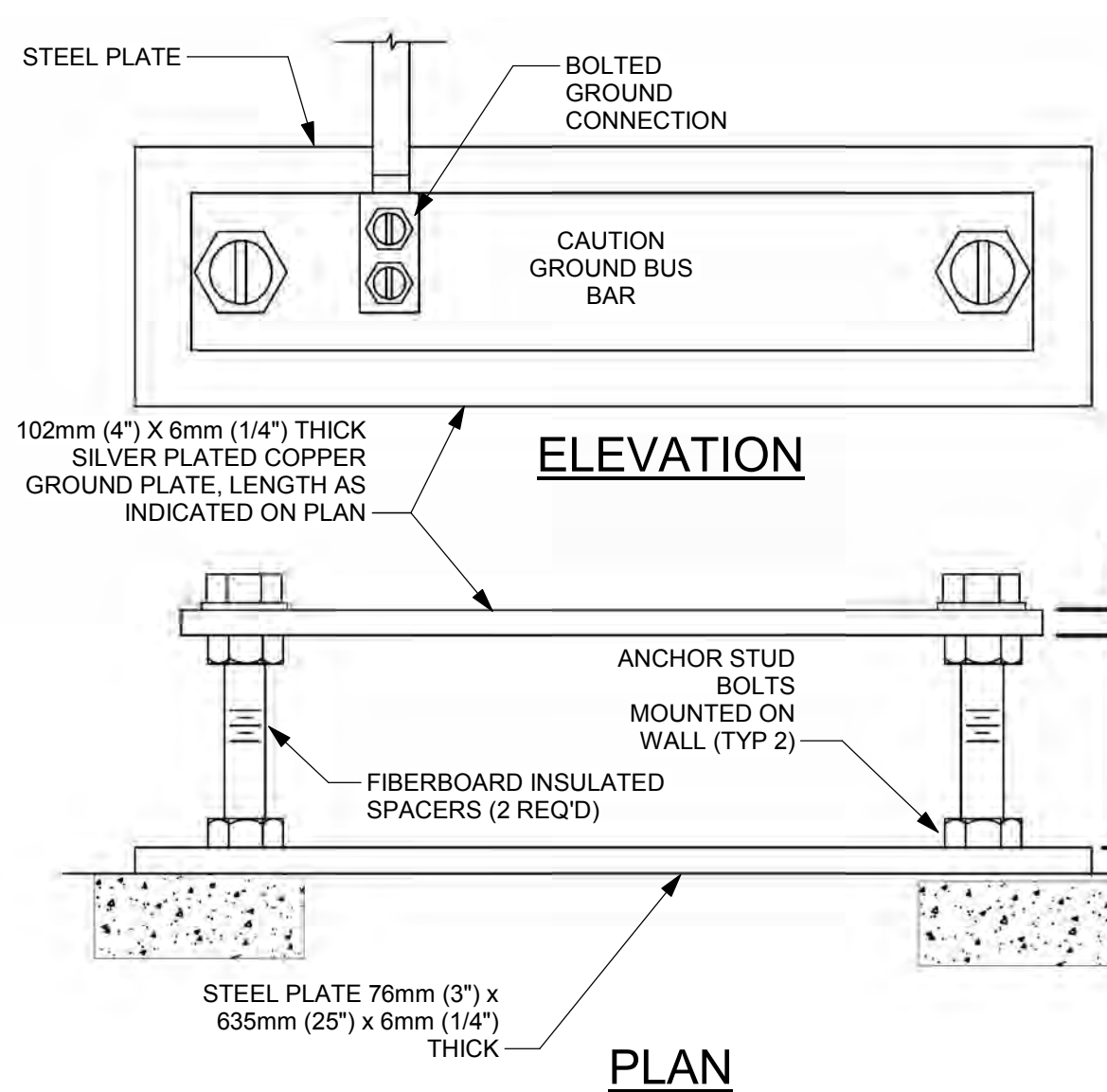
DETAILS

DRAWING NUMBER

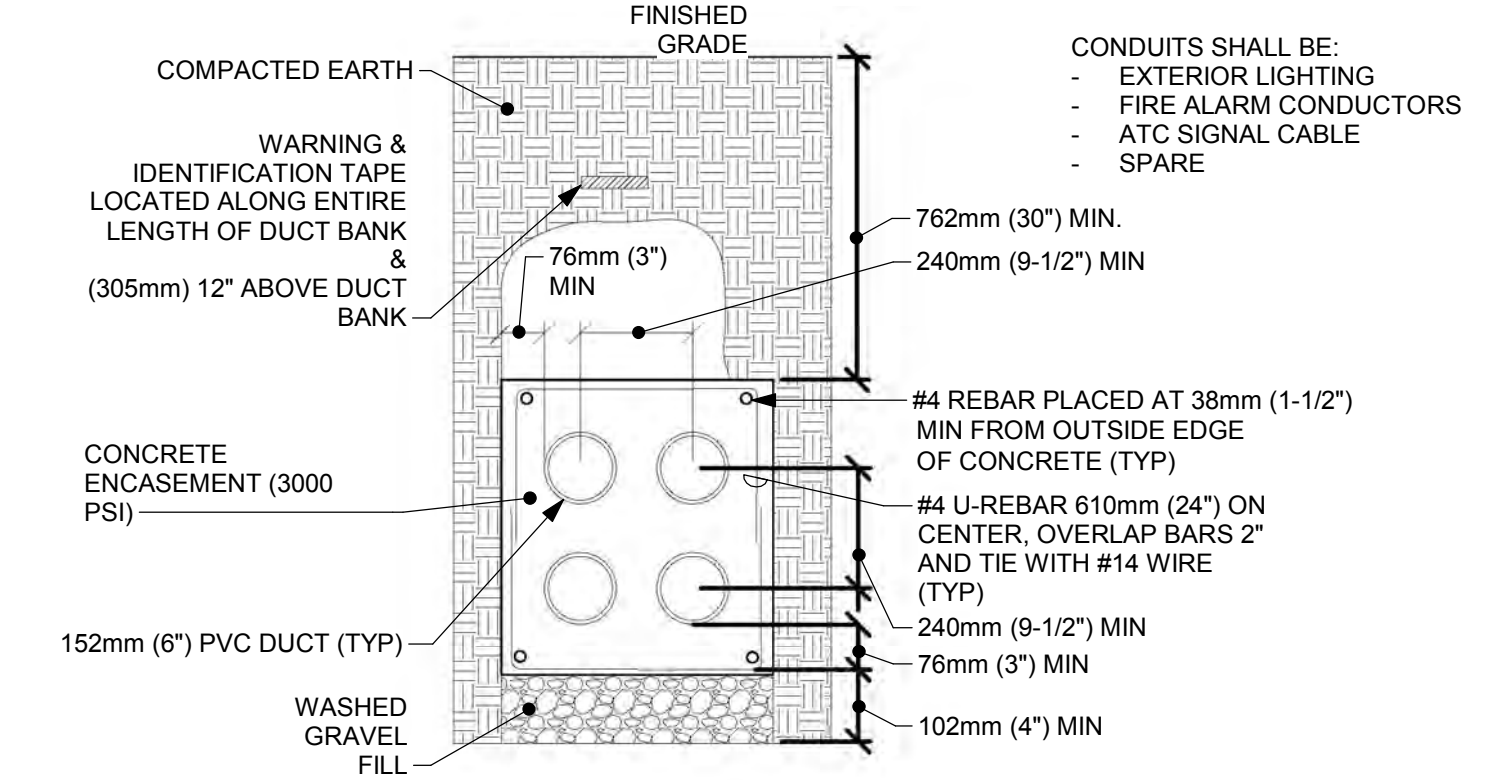
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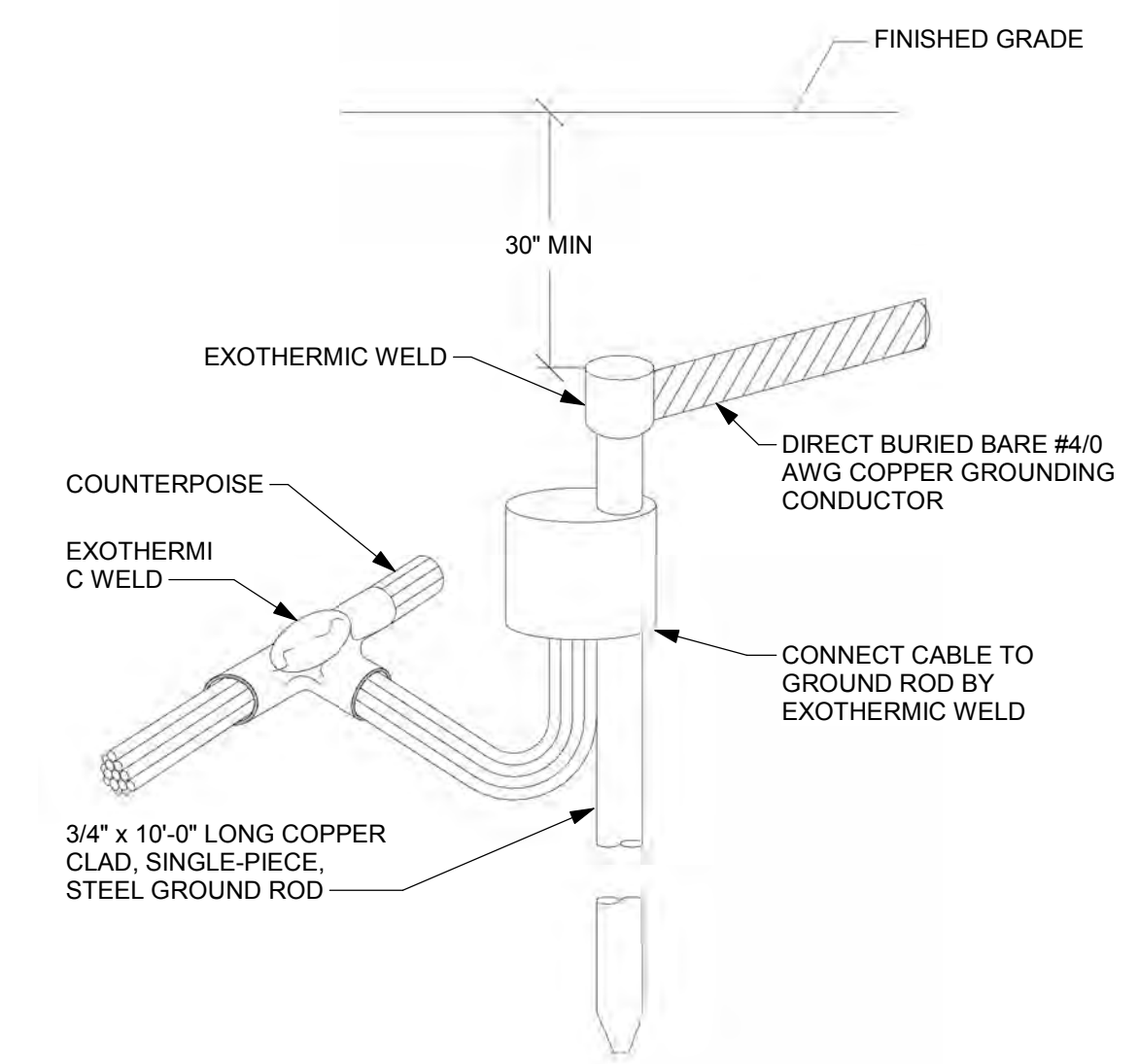
**1** DETAIL - EMERGENCY LIGHTING BYPASS  
E5.01 1/8" = 1'-0"



**3** DETAIL - GROUND BUS BAR  
E5.01 3/16" = 1'-0"



**2** DETAIL - 4-WAY DUCT BANK  
E5.01 1/8" = 1'-0"



**4** DETAIL - GROUND BAR  
E5.01 1/8" = 1'-0"

**GROUND BUS BAR NOTES:**

- REMOVE ALL BURRS AND SHARP EDGES.
- CONNECT CONDUITS TO PLATE VIA GROUNDING BUSHING AND #20 AWG STRANDED COPPER GROUNDING CONDUCTOR.
- MOUNT 458mm (18") AFF UNLESS OTHERWISE INDICATED.

CONDUITS SHALL BE:

- EXTERIOR LIGHTING
- FIRE ALARM CONDUCTORS
- ATC SIGNAL CABLE
- SPARE

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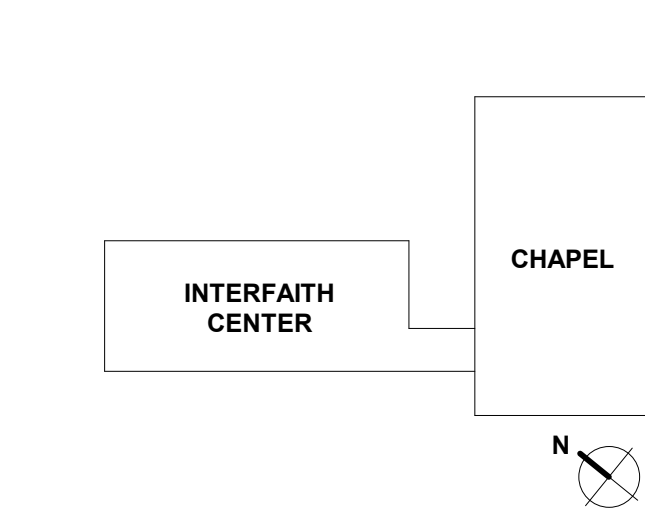
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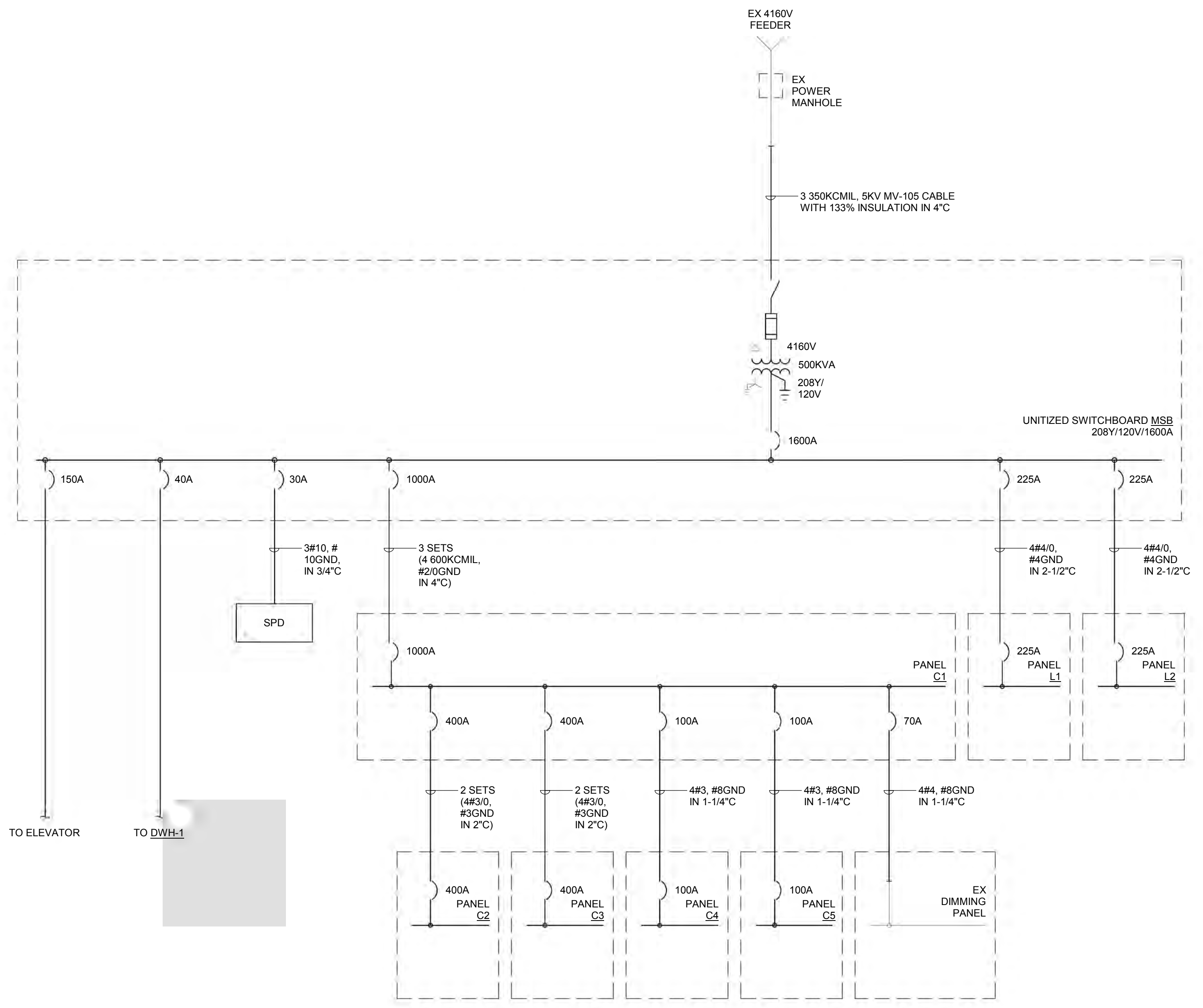
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DRAWN BY:	Author

PROJECT DESIGN PHASE  
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DRAWING NAME  
**ONE LINE DIAGRAM & SCHEDULES**

DRAWING NUMBER  
**E6.01**

DRAWING NOTES:  
A FOR SYMBOLS, ABBREVIATIONS, AND DRAWING CONVENTIONS, REFER TO DRAWING E0.01.



1 SINGLE LINE DIAGRAM  
E6.01 NOT TO SCALE

LIGHTING FIXTURE SCHEDULE

FIXTURE TYPE	MOUNTING	MANUFACTURER(S)	CATALOG OR MODEL NUMBER	LAMPS (NOTE 1)	VOLTS	REMARKS
A1	CEILING RECESSED	PORTFOLIO	LDSQ6B10D010TR DRIVER: EU6B10209030 TRIM: BL5SQOLI	LED 1000 LUMEN 3000 DEG	120	6" SQUARE LED DOWNLIGHT WITH WHITE TRIM, SPECULAR CLEAR REFLECTOR, AND 0-10VDC DIMMING DRIVER.
A2	CEILING RECESSED	PORTFOLIO	LDSQ6B15D010TR DRIVER: EU6B10209030 TRIM: BL5SQOLI	LED 1500 LUMEN 3000 DEG	120	6" SQUARE LED DOWNLIGHT WITH WHITE TRIM, SPECULAR CLEAR REFLECTOR, AND 0-10VDC DIMMING DRIVER.
A3	CEILING RECESSED	PORTFOLIO	LDSQ6B20D010TR DRIVER: EU6B10209030 TRIM: BL5SQOLI	LED 2000 LUMEN 3000 DEG	120	6" SQUARE LED DOWNLIGHT WITH WHITE TRIM, SPECULAR CLEAR REFLECTOR, AND 0-10VDC DIMMING DRIVER.
A4	CEILING RECESSED	PORTFOLIO	LDSQ6B30D010TR DRIVER: EU6B30509030 TRIM: BL5SQOLI	LED 3000 LUMEN 3000 DEG	120	6" SQUARE LED DOWNLIGHT WITH WHITE TRIM, SPECULAR CLEAR REFLECTOR, AND 0-10VDC DIMMING DRIVER.
B	CEILING RECESSED	PHILLIPS DAY-BRITE	2CAS3BL835-2-DS-UNV-DIM	LED 3800 LUMEN 3000 DEG	120	2' x 2' RECESSED LED TROFFER WITH 0-10VDC DIMMING DRIVER.
C	CEILING/WALL SURFACE	PHILLIPS DAY-BRITE	SF4C29A35UDZT-US	LED 2900 LUMEN 3000 DEG	120	SURFACE LED STAIRWELL FIXTURE WITH WHITE HOUSING, ACRYLIC LENS, AND INTEGRAL ULTRASONIC OCCUPANCY SENSOR. CEILING OR WALL MOUNT AS INDICATED. WHERE WALL MOUNTED, MOUNT 90° AFF. SET FIXTURE TO REDUCE LIGHTING TO 20% OUTPUT WHEN AREA IS UNOCCUPIED.
D	CEILING PENDANT	VERGE	VG-2WDC-XX-30 DRIVER: PSC-100W-ELV-24VDC	LED 2.5W/LF 3000 DEG	120	LED COVE STRIP WITH 0-10VDC DIMMING DRIVER. REFER TO ARCHITECTURAL PLANS FOR MOUNTING DETAILS. VERIFY DIMMER TYPE WITH MANUFACTURER.
F	CEILING PENDANT	CORELIGHT	I2WS-1L30-1D-UNV-AC48-ST-4-ST D-SV-W-EB	LED 3000 LUMEN 3000 DEG	120	4' LED PENDANT WITH 0-10VDC DIMMING DRIVER.
G	CEILING PENDANT	FEISS	P13910RB	LED 950 LUMEN 2700 DEG	120	12" LED GLOBE PENDANT.
OA	WALL SURFACE	BEGA	2383 LED BR2 K4	LED 4000 DEG	120	EXTERIOR WALL SCONCE WITH INTEGRAL PHOTOCCELL.
S	CEILING SURFACE	METALUX	4SNLED-LD4-1SL-LN-UNV-L830-CD1-U	LED 4200 LUMEN 3000 DEG	120	4' LED INDUSTRIAL STRIP.
V	WALL SURFACE	RICH BRILLIANT WILLING	BRE-SM-3-30	LED 2160 LUMEN 3000 DEG	120	2' WALL SCONCE WITH GOLD FINISH AND 0-10VDC DIMMING DRIVER. MOUNT HORIZONTALLY OVER MIRRORS IN TOILETS. MOUNT VERTICALLY IN PRAYER ROOMS 60° AFF.

EQUIPMENT CIRCUIT SCHEDULE

SERVES	LOAD			VOLTS	PH	LOCAL DISCONNECT		CONTROLLER			CIRCUIT			REMARKS	
	HP	KVA	AMPS			DEVICE	SIZE	DEVICE	SIZE	TYPE	NEMA SIZE	WIRE	GND		C"
ACCU-1	2.5	12.0	208	1	FS	30	-	-	-	-	2#12	#12	3/4		
ACU-1	0.2	1.0	208	1	-	-	-	-	-	-	2#12	#12	3/4		
AHU-1	0.0	0.0	120	1	-	-	-	-	-	-	2#12	#12	3/4	HIDE	
CUH-1	0.3	2.5	120	1	-	-	-	-	-	-	2#12	#12	3/4		
CUH-2	0.3	2.5	120	1	-	-	-	-	-	-	2#12	#12	3/4		
DWH-1	9.0	25.0	208	3	-	-	-	-	-	-	3#8	#10	3/4		
EF-1	0.1	1.2	120	1	NFS	30A	-	-	-	-	2#12	#12	3/4		
EF-2	1/2	0.0	0.0	120	1	NFS	30A	-	-	-	2#12	#12	3/4		
EF-3	0.1	1.1	120	1	NFS	30A	-	-	-	-	2#12	#12	3/4		
EF-4	0.1	1.1	120	1	NFS	30A	-	-	-	-	2#12	#12	3/4		
EF-5	0.1	1.1	120	1	NFS	30A	-	-	-	-	2#12	#12	3/4		
EF-6	0.1	1.1	120	1	NFS	30A	-	-	-	-	2#12	#12	3/4		
EF-7	0.1	0.7	120	1	NFS	30A	-	-	-	-	2#12	#12	3/4		
EF-8	0.1	0.7	120	1	NFS	30A	-	-	-	-	2#12	#12	3/4		
EF-9	0.1	0.7	120	1	NFS	30A	-	-	-	-	2#12	#12	3/4		
ELEVATOR	30	33.1	91.9	208	3	FS	200	-	-	-	3#2	#6	1-1/2		
F-SA-1	3	4.0	11.0	208	3	-	-	MCP	15	VFC	-	3#12	#12	3/4	
FCU-4HC-C	1/12	0.2	1.3	120	1	-	-	-	-	-	2#12	#12	3/4		
FCU-4HC-C	1/12	0.2	1.3	120	1	-	-	-	-	-	2#12	#12	3/4		
FCU-4HC-C	1/12	0.2	1.3	120	1	-	-	-	-	-	2#12	#12	3/4		
FCU-4HC-C	1/12	0.2	1.3	120	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6HC-C	1/12	0.2	1.3	120	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6HC-C	1/12	0.2	1.3	120	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6HC-C	1/12	0.2	1.3	120	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6HC-C	1/12	0.2	1.3	120	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6VC	1/5	0.1	0.6	208	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6VC	1/5	0.1	0.6	208	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6VC	1/5	0.1	0.6	208	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6VC	1/5	0.3	2.3	120	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6VC	1/5	0.3	1.4	208	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6VC	1/5	0.3	1.4	208	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6VC	1/5	0.3	1.4	208	1	-	-	-	-	-	2#12	#12	3/4		
FCU-6VC	1/5	0.3	1.4	208	1	-	-	-	-	-	2#12	#12	3/4		
P-CHW-1	5	6.3	17.6	208	3	-	-	MCP	30	VFC	-	3#10	#10	3/4	
P-CHW-2	5	6.3	17.6	208	3	-	-	MCP	30	VFC	-	3#10	#10	3/4	
P-ELEV-1	0.5	1.1	9.4	120	1	-	-	-	-	-	2#12	#12	3/4	PROVIDED WITH CONTROL PANEL	
P-HHW-1	1-1/2	2.2	6.0	208	3	-	-	MCP	15	VFC	-	3#12	#12	3/4	
P-HHW-2	1-1/2	2.2	6.0	208	3	-	-	MCP	15	VFC	-	3#12	#12	3/4	
P-PWC-1	0.6	4.9	120	1	NFS	30	-	-	-	-	2#12	#12	3/4		
UH-1	0.2	1.3	120	1	-	-	-	-	-	-	2#12	#12	3/4		
UH-2	0.2	1.3	120	1	-	-	-	-	-	-	2#12	#12	3/4		

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- THESE TELECOMMUNICATIONS DRAWINGS ARE PREPARED AND COORDINATED WITH THE SCOPE OF WORK DOCUMENT AND THE SPECIFICATIONS. TOGETHER THESE DOCUMENTS FORM THE CONTRACT DOCUMENTS.
- THE TELECOMMUNICATIONS SYSTEMS ARE DESIGNED IN ACCORDANCE WITH THE BICSI AND TIA/EIA STANDARDS.
- ALL CABLE PATHWAYS ARE DESIGNED WITH A MAXIMUM 40 PERCENT FILL RATIO UNLESS OTHERWISE NOTED. FILL REQUIREMENTS MAY ALTER FROM INITIAL DESIGN DUE TO CLIENT REQUIREMENTS DURING INSTALLATION.
- ALL CABLE PATHWAYS SHALL BE FREE FROM PROJECTIONS AND ROUGH OR SHARP EDGES THROUGHOUT THE ENTIRE PATH. ALL POINTS OR EDGES THAT CABLING MUST PASS, AND MAY BE SUBJECT TO INJURY OR WEAR, SHALL BE ROUNDED, PADDED, OR BUSHED.
- THE TELECOMMUNICATIONS DRAWINGS INDICATE THE GENERAL LOCATION OF EQUIPMENT, CABLE PATHWAYS, AND OUTLETS. ALTHOUGH THE DRAWINGS DO NOT NECESSARILY DICTATE THE ACTUAL ROUTES OF CABLE TRAYS AND CONDUITS, LOCATION OF EQUIPMENT AND OUTLETS, AND OTHER SUPPORTING ITEMS, THEY SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE TO THE DESIGN IN THIS DOCUMENT. IT SHALL BE THE INSTALLING CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE INSTALLATION OF ALL TELECOMMUNICATION ITEMS WITH ALL OTHER CONTRACTORS.
- ALL BLOCKS, PANELS AND CABLE SHALL BE ASSIGNED, LABELED AND RECORDED BY THE INSTALLING CABLE CONTRACTOR, AND DELIVERED TO THE ENGINEER.
- SEE NOTES ON INDIVIDUAL DRAWINGS FOR CROSS REFERENCE TO PERTINENT DETAILS, SECTIONS, ETC. SHOWN ON OTHER DRAWINGS IN THIS DRAWING SET.
- SCALES NOTED ON THE TELECOMMUNICATIONS DRAWINGS ARE FOR GENERAL INFORMATION AND USED FOR REFERENCE ONLY.
- ALL MOUNTING HEIGHTS SHOWN ARE MEASURED FROM FINISHED FLOOR TO BOTTOM OF MOUNTED EQUIPMENT UNLESS OTHERWISE NOTED.
- FIRE STOP ALL STRUCTURE PENETRATIONS WITH FIRE STOPPING MATERIAL EQUAL TO OR GREATER THAN THAT OF PENETRATED STRUCTURE. INSTALL FIRE STOPPING MATERIAL AFTER COMPLETE INSTALLATION OF CABLING. USE ONLY LISTED FIRE STOPPING MATERIAL IN ACCORDANCE WITH UL, NFPA, AND OTHER AUTHORITIES HAVING JURISDICTION.
- TELECOMMUNICATIONS ROOMS SHALL NOT BE USED AS STORAGE SPACE BY ANY CONTRACTOR EXCLUDING THE INSTALLING CONTRACTOR FOR THE TELECOMMUNICATIONS SYSTEM. WHEN THE INSTALLATION OF A TELECOMMUNICATIONS SPACE IS COMPLETE, ALL ITEMS AND EQUIPMENT NOT SUPPORTING THE FUNCTIONS OF THAT SPACE SHALL BE REMOVED FROM THE SPACE.
- ALL TELECOMMUNICATIONS ROOMS WILL HAVE 3/4" x 4" x 8' FIRE RETARDANT PLYWOOD INSTALLED VERTICALLY, STARTING APPROXIMATELY 2' ABOVE THE FLOOR.
- THE TELECOMMUNICATIONS DRAWINGS INDICATE THE GENERAL LOCATION OF THE BACKBONE CONDUIT FOR THE TELECOM ROOMS. THE INSTALLER SHALL VERIFY THE EXACT LOCATION OF THE CONDUIT(S). CONDUITS SHALL BE POSITIONED SO THEY ENTER AND EXIT TELECOM ROOMS IN THE CORNERS AS SHOWN ON THE TELECOM ROOM DRAWINGS.
- NOT ALL HARDWARE FOR INSTALLATION IS IDENTIFIED/SHOWN. THE TELECOMMUNICATIONS CONTRACTOR IS RESPONSIBLE FOR ALL MOUNTING HARDWARE REQUIRED FOR A COMPLETE AND PROPERLY OPERATING INSTALLATION.
- NOT ALL ITEMS, COMPONENTS AND SYSTEMS SPECIFIED IN THIS DRAWING SET OR THE SPECIFICATIONS ARE DETAILED. CONTRACTOR TO PROVIDE MANUFACTURERS' SPECIFICATIONS AND DETAIL SHEETS IN THE PRECONSTRUCTION SUBMITTALS FOR SELECTION PER THE SPECIFICATIONS.
- THE TELECOMMUNICATIONS CONTRACTOR SHALL INSTALL COMPONENTS OR SYSTEMS PER THE MANUFACTURERS' INSTALLATION INSTRUCTIONS OR SPECIFICATIONS.
- ALL CABLE SHALL COMPLY WITH THE SPECIFICATIONS AND SHALL BE SUITABLE AND LISTED FOR THE ENVIRONMENT IN WHICH IT IS INSTALLED.
- ALL CONDUIT RUNS SHALL FOLLOW BICSI STANDARDS FOR BENDS, FILL AND JUNCTION BOX PLACEMENT. NO CONDUIT RUNS SHALL HAVE GREATER THAN 180 DEGREES OF BEND WITHOUT A PROPERLY SIZED AND PLACED PULL BOX.
- ALL CONDUIT RUNS AND CABLE TRAY SHOWN ARE DIAGRAMMATICAL. REPORT ANY MAJOR DEVIATION TO CONSTRUCTION MANAGER FOR APPROVAL.
- ALL CONDUITS FROM BELOW SHALL STUB UP 4" A.F.F.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING FINAL SYSTEMS, EQUIPMENT LAYOUT AND CONDUIT ROUTING AS SHOWN ON DRAWING WITH SITE CONDITIONS.
- CONTRACTOR SHALL ENSURE PROPER SEPARATION OF CLASS 1, CLASS 2, AND CLASS 3 CIRCUITS PER NEC 725-54.
- CONTRACTOR SHALL VERIFY THE SIZE OF ALL CONDUCTORS, CONDUIT, AND JUNCTION BOXES (40 % MAXIMUM FILL). INSTALLATION SHALL BE IN ACCORDANCE WITH NATIONAL ELECTRICAL CODE (NEC) AND ALL LOCAL CODES HAVING JURISDICTION.
- LOW VOLTAGE VOICE AND DATA CABLING SHALL NOT BE INSTALLED IN THE SAME CONDUIT AS 120 VAC POWER CABLES.
- CONTRACTOR SHALL PROMPTLY NOTIFY OWNER OR OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF WORK IF ANY MOUNTING LOCATIONS NOTED ON THE DRAWINGS ARE OBSTRUCTED AND/OR IF ANY CONFLICTS OR PROBLEMS ARE DISCOVERED.
- CONTRACTOR SHALL PROVIDE AND INSTALL EQUIPMENT AND HARDWARE IN ORDER TO MEET THE INTENT OF THE DESIGN AND TO PROVIDE OWNER WITH A COMPLETE AND FULLY OPERATIONAL CABLING SYSTEM AS SPECIFIED. QUESTIONS REGARDING THE INTENT OF THE DESIGN SHALL BE PROMPTLY BROUGHT TO THE ATTENTION OF THE ENGINEER.
- ANY DEVICE SHOWN ON THESE DRAWINGS THAT IS LOCATED IN AN OPEN OR HARD CEILING SPACE SHALL HAVE A SINGLE-GANG BOX WITH A CONDUIT TO THE NEAREST ACCESSIBLE CEILING UNLESS OTHERWISE NOTED.

## APPLICABLE CODES AND STANDARDS

ALL MATERIALS AND WORK SPECIFIED HEREIN SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF:

- TIA-526-7 (OFSTP-7)-2002+A1:2008, MEASUREMENT OF OPTICAL FIBER LOSS OF INSTALLED SINGLE-MODE FIBER CABLE PLANT.
- TIA-526-14-B-2010 (OFSTP-14), OPTICAL POWER LOSS MEASUREMENTS OF MULTIMODE FIBER CABLE PLANT.
- ANSI/TIA-568-C.0-2009+A1:2010+A2:2012, GENERIC TELECOMMUNICATIONS FOR CUSTOMER PREMISE.
- ANSI/TIA-568-C.1-2009+A1:2012, COMMERCIAL BUILDING TELECOMMUNICATIONS CABLING STANDARD.
- ANSI/TIA-568-C.2-2009+A1:2010, BALANCED TWISTED PAIR CABLING COMPONENTS STANDARD.
- ANSI/TIA-568-C.3-2009+A1:2011, OPTICAL FIBER CABLING COMPONENTS STANDARDS.
- ANSI/TIA-568-C.4-2011, BROADBAND COAXIAL CABLING COMPONENTS STANDARD.
- ANSI/TIA-569-1, TELECOMMUNICATIONS PATHWAYS AND SPACES.
- ANSI/TIA-606-B-2012, ADMINISTRATION STANDARD FOR COMMERCIAL TELECOMMUNICATIONS INFRASTRUCTURE.
- ANSI/TIA-607-B-2011, GENERIC TELECOMMUNICATIONS BONDING AND GROUNDING (EARTHING) FOR CUSTOMER PREMISES.
- ANSI/TIA-758-B-2012, CUSTOMER-OWNER OUTSIDE PLANT TELECOMMUNICATIONS INFRASTRUCTURE STANDARD.
- ANSI/TIA-862-A, BUILDING AUTOMATION SYSTEMS CABLING STANDARD.
- ANSI/TIA-942-A, TELECOMMUNICATIONS INFRASTRUCTURE STANDARDS FOR DATA CENTERS.
- ANSI/TIA-1005, TELECOMMUNICATIONS INFRASTRUCTURE FOR INDUSTRIAL PREMISES.
- ANSI/TIA-1179, HEALTHCARE FACILITY TELECOMMUNICATIONS INFRASTRUCTURE STANDARD.
- ISO/IEC 11801, GENERIC CABLING FOR CUSTOMER PREMISES.
- IEEE 802.3af, POWER OVER ETHERNET (PoE) STANDARD.
- IEEE 802.3at, POWER OVER ETHERNET + (PLUS).
- IEEE 802.3an, PHYSICAL LAYER AND MANAGEMENT PARAMETERS FOR 10 Gbps OPERATION TYPE 10GBASE-T.
- IEEE 802.3ba, MEDIA ACCESS CONTROL PARAMETERS, PHYSICAL LAYERS AND MANAGEMENT PARAMETERS FOR 40 Gbps AND 100 Gbps OPERATION.
- BUILDING INDUSTRY CONSULTING SERVICES INTERNATIONAL (BICSI) TELECOMMUNICATIONS DISTRIBUTION METHODS MANUAL.
- NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION.
- NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 70 - NATIONAL ELECTRICAL CODE.
- UNDERWRITERS LABORATORY (UL) OR EQUIVALENT.

## ABBREVIATIONS

AFB	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS
ASTM	AMERICAN SOCIETY FOR TESTING MATERIALS
BICSI	BUILDING INDUSTRY CONSULTING SERVICES INTERNATIONAL
EIA	ELECTRONICS INDUSTRY ASSOCIATION
FCC	FEDERAL COMMUNICATIONS COMMISSION
IEEE	INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS
ISO	INTERNATIONAL STANDARDS ORGANIZATION
NEC	NATIONAL ELECTRICAL CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS' ASSOCIATION
NESC	NATIONAL ELECTRICAL SAFETY CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
POE	POWER OVER ETHERNET
RUS	RURAL UTILITY SERVICE (FORMERLY REA)
SMPTA	SOCIETY OF MOTION PICTURE AND TELEVISION ENGINEERS
TIA	TELECOMMUNICATIONS INDUSTRY ASSOCIATION
UL	UNDERWRITER'S LABORATORIES, INC.
UON	UNLESS OTHERWISE NOTED

## SHEET LIST

T0.10	TECHNOLOGY SYSTEMS NOTES, SYMBOLS, AND ABBREVIATIONS
T2.00	TECHNOLOGY SYSTEMS FLOOR PLAN - LOWER LEVEL
T2.01	TECHNOLOGY SYSTEMS FLOOR PLAN - LEVEL 1
T2.02	TECHNOLOGY SYSTEMS FLOOR PLAN - LEVEL 2
T3.00	TECHNOLOGY SYSTEMS REFLECTED CEILING PLAN - LOWER LEVEL
T3.01	TECHNOLOGY SYSTEMS REFLECTED CEILING PLAN - LEVEL 1
T3.02	TECHNOLOGY SYSTEMS REFLECTED CEILING PLAN - LEVEL 2
T4.00	TECHNOLOGY SYSTEMS - AV DETAILS
T4.01	TECHNOLOGY SYSTEMS - SECURITY DETAILS
T4.02	TECHNOLOGY SYSTEMS - TELECOM CABLING DETAILS

## CONVENTIONS

- DETAIL DESIGNATION NUMBER DENOTES DETAIL IDENTIFICATION
- INDICATES DRAWING NUMBER WHERE DETAIL IS DRAWN

## LEGEND

### CABLING:

- ▲# INSTALL (#) CATEGORY 6 CABLES FOR DATA AND TERMINATE WITH CATEGORY 6 JACKS, WHERE # REPRESENTS THE QUANTITY OF CABLES. AT THE DEVICE LOCATION, INSTALL IN A SINGLE-GANG FACEPLATE MOUNTED AT 18" AFF (UON). IN THE TR, TERMINATE CABLES ON RACK-MOUNTED CATEGORY 6 PATCH PANELS.
- ▲AP INSTALL TWO (2) CATEGORY 6A CABLES AND TERMINATE WITH CATEGORY 6A JACKS FOR A WIRELESS ACCESS POINT. INSTALL JACKS IN A BISCUIT-TYPE BOX WITH 20' OF CABLE COILED. IN THE TR, TERMINATE CABLES ON RACK-MOUNTED CATEGORY 6A PATCH PANELS.
- ▲SEC INSTALL ONE (1) CATEGORY 6 CABLE AND TERMINATE WITH A CATEGORY 6 JACK FOR A SECURITY CAMERA. INSTALL JACK IN A BISCUIT-TYPE BOX. IN THE TR, TERMINATE CABLE ON RACK-MOUNTED CATEGORY 6 PATCH PANELS.
- ▲D INSTALL ONE (1) CATEGORY 6 CABLE AND TERMINATE WITH A CATEGORY 6 JACK FOR A FLAT SCREEN DISPLAY. INSTALL JACK IN A SINGLE-GANG FACEPLATE ASSOCIATED WITH THE LOCATION OF THE DISPLAY (SEE AV DRAWINGS FOR DETAILS). IN THE TR, TERMINATE CABLE ON A RACK-MOUNTED CATEGORY 6 PATCH PANEL.
- ▲E INSTALL ONE (1) CATEGORY 6 CABLE FOR AN ELEVATOR PHONE AND LEAVE 20' OF UNTERMINATED CABLE COILED IN ELEVATOR MACHINE ROOM. IN TR, TERMINATE CABLE ON RACK-MOUNTED CATEGORY 6 PATCH PANELS.
- ▲ET INSTALL ONE (1) CATEGORY 6 CABLE AND TERMINATE WITH A CATEGORY 6 JACK FOR AN EMERGENCY TELEPHONE. INSTALL JACK IN A BISCUIT-TYPE BOX COILED IN A TELEPHONE FLUSH MOUNTING SLEEVE MOUNTED AT 42" AFF (UON). IN THE TR, TERMINATE THE CABLE ON A RACK-MOUNTED CATEGORY 6 PATCH PANEL.
- INDICATES CABLES SHALL BE INSTALLED IN A FLOORBOX.
- INDICATES CABLES SHALL BE INSTALLED IN THE CEILING.

### AUDIO VISUAL:

- AV<sup>1</sup> DIGITAL TRANSMITTER - INTERFACE POINT FOR HDMI, COMPUTER AUDIO AND COMPUTER VIDEO
- AV<sup>2</sup> PASSIVE CABLE CONNECTION - INTERFACE POINT FOR HDMI, COMPUTER AUDIO AND COMPUTER VIDEO
- AV<sup>C</sup> WALL-MOUNTED AV CONTROL PANEL
- AV<sup>D##</sup> DISPLAY, WHERE ## IS THE DIAGONAL SCREEN SIZE IN INCHES.
- AV<sup>AL</sup> ASSISTED LISTENING TRANSMITTER
- AV<sup>SPKR1</sup> COLUMN-ARRAY LOUDSPEAKER
- Ⓢ CEILING SPEAKER

### SECURITY:

- W P WALL-MOUNTED PROXIMITY CARD READER
- M B DOOR POSITION SWITCH

## PROJECT INFORMATION



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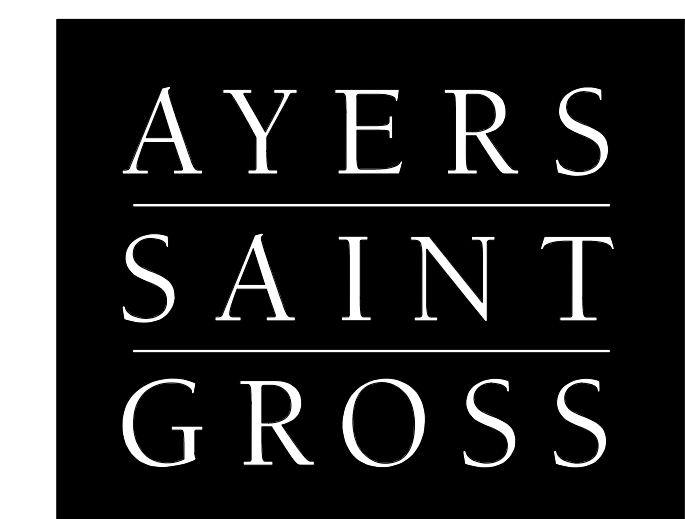
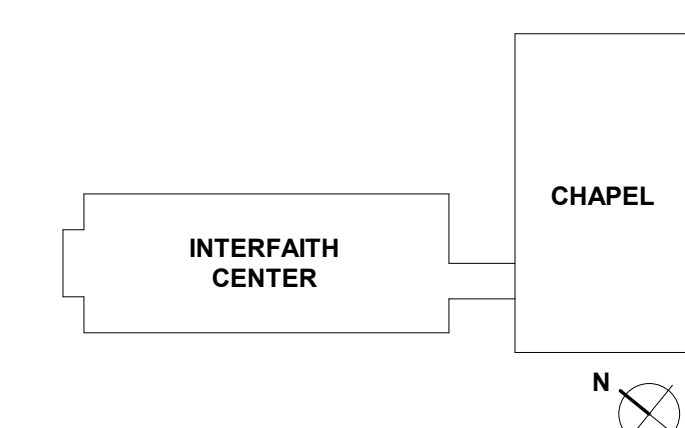
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#### REVISIONS

REV. #	DESCRIPTION	DATE

#### KEY PLAN



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#### DRAWING INFORMATION

ISSUE DATE:	04/28/17
SCALE:	1/4" = 1'-0"
JOB NO.:	21641.00
DRAWN BY:	JVS

#### PROJECT DESIGN PHASE

50% CONSTRUCTION DOCUMENTS

#### DRAWING NAME

TECHNOLOGY SYSTEMS NOTES, SYMBOLS, AND ABBREVIATIONS

#### DRAWING NUMBER

T0.10

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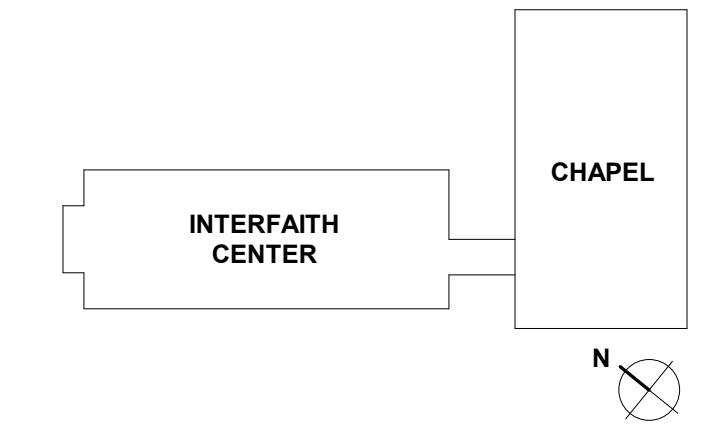
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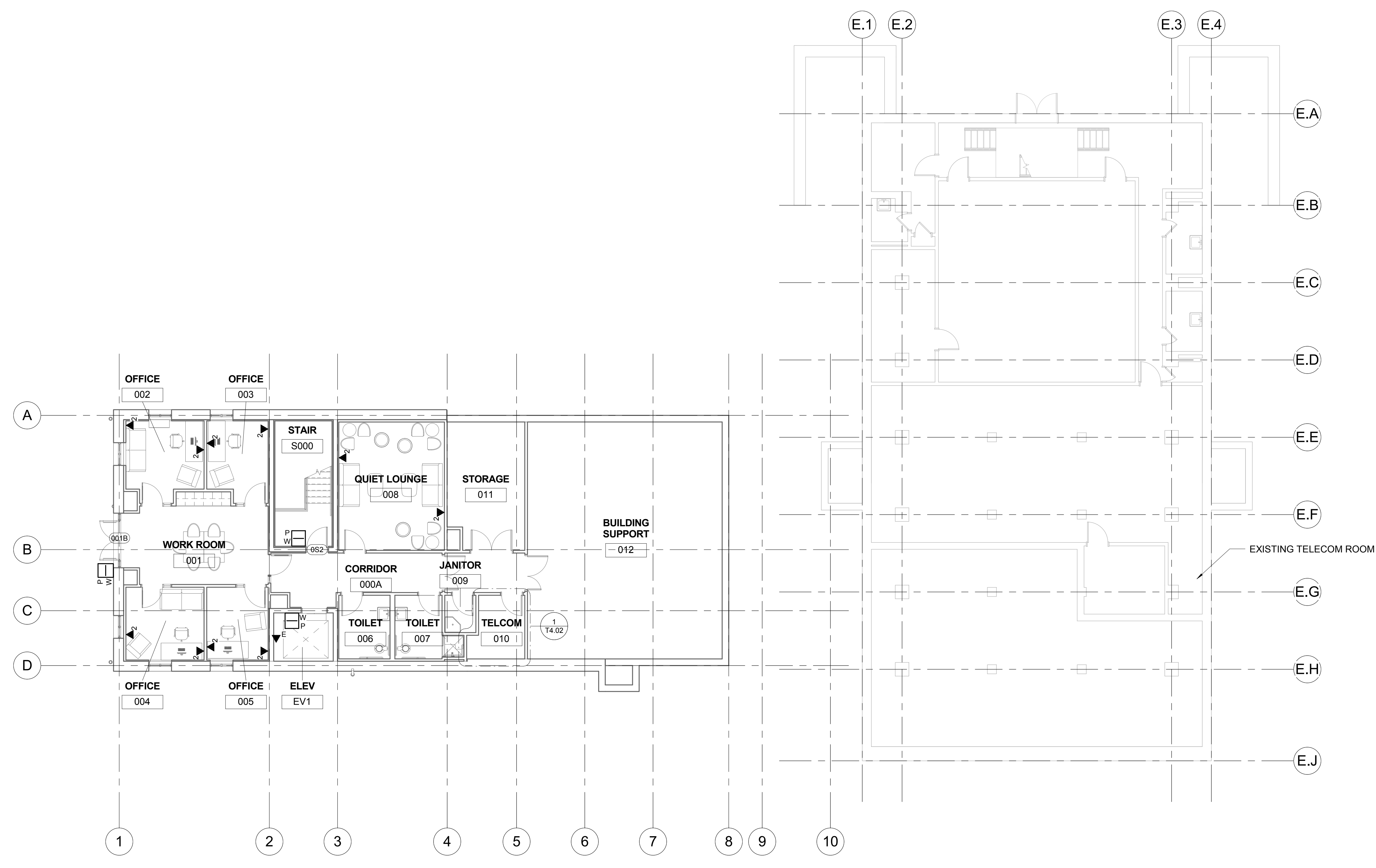
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JOB NO.:	21641.00
DRAWN BY:	JVS

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DRAWING NAME  
**TECHNOLOGY SYSTEMS FLOOR PLAN - LOWER LEVEL**

DRAWING NUMBER  
**T2.00**



1 -03 LOWER LEVEL  
1/8" = 1'-0"



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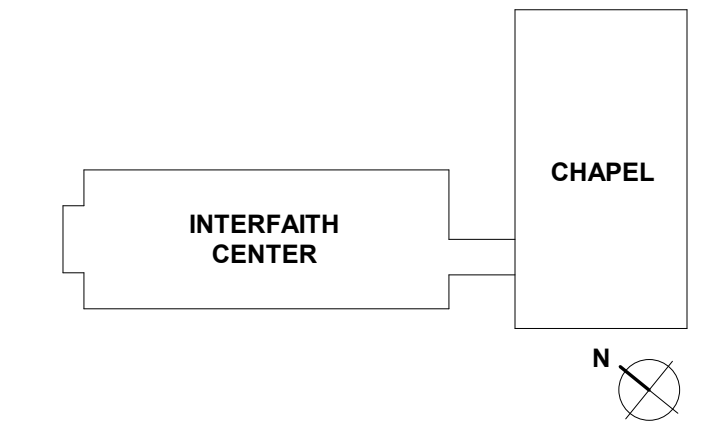
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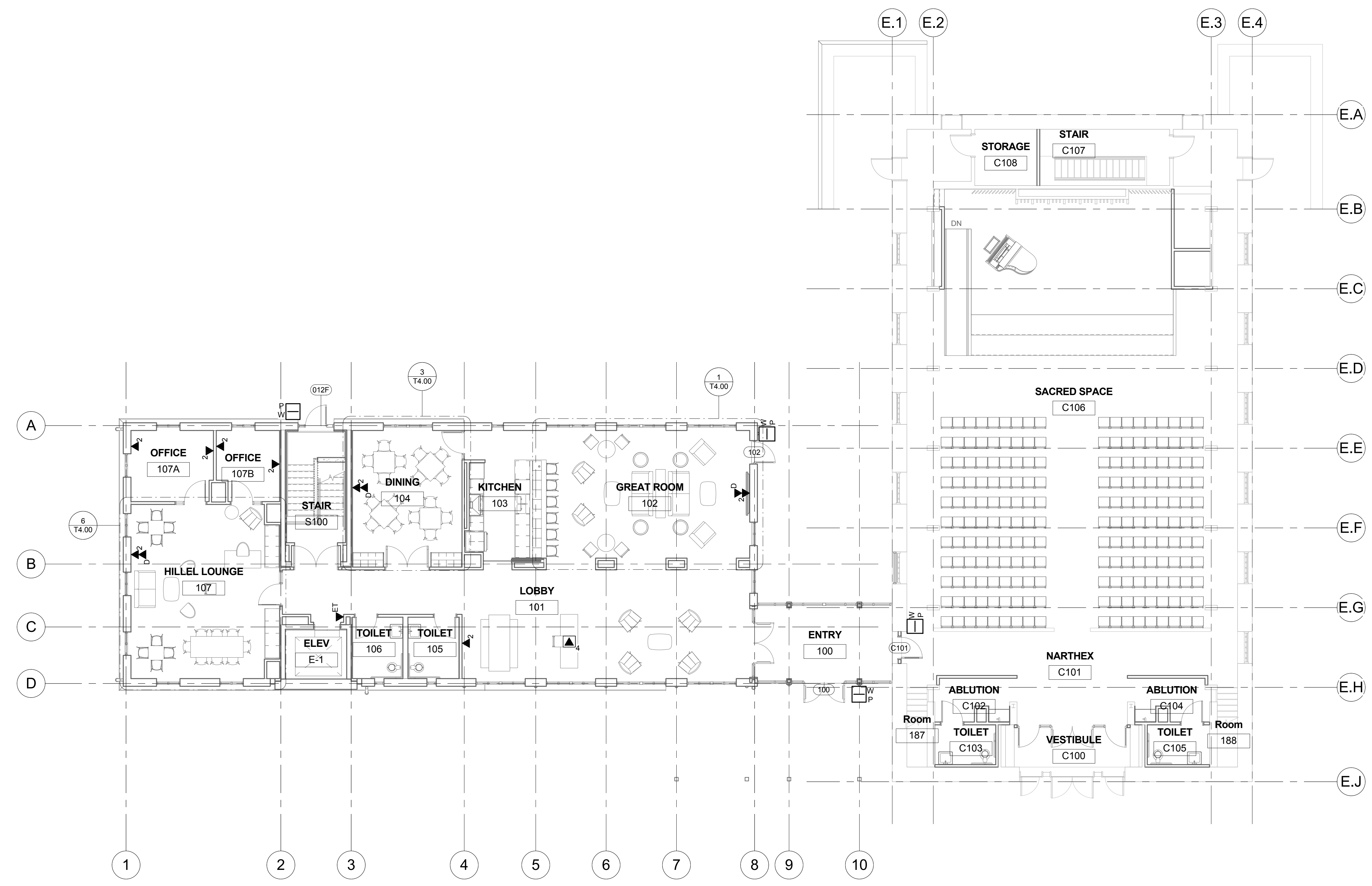
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DRAWING NAME  
**TECHNOLOGY SYSTEMS FLOOR PLAN - LEVEL 1**

DRAWING NUMBER  
**T2.01**

- GENERAL NOTES:**
- ALL CABLING ON THIS SHEET SHALL BE TERMINATED IN THE LOWER LEVEL TELECOM ROOM.
  - SEE T4.00 FOR ADDITIONAL AUDIO VISUAL SYSTEM REQUIREMENTS.
  - PROVIDE TWO (2) SHURE QLXD14/SM35 WIRELESS MICROPHONE SYSTEMS FOR INTEGRATION BY CONTRACTOR WITH EXISTING CHAPEL AUDIO SYSTEM.



1.00 GROUND LEVEL  
1/8" = 1'-0"

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STAPLE EDGE

STAPLE EDGE

STAPLE EDGE

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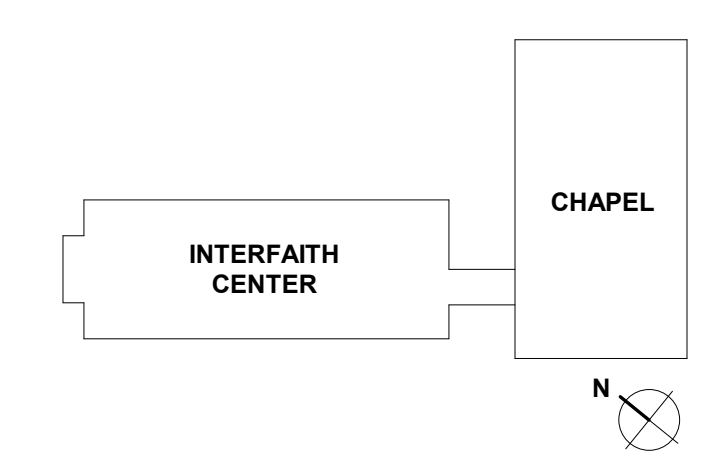
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REV. #	DESCRIPTION	DATE

**KEY PLAN**



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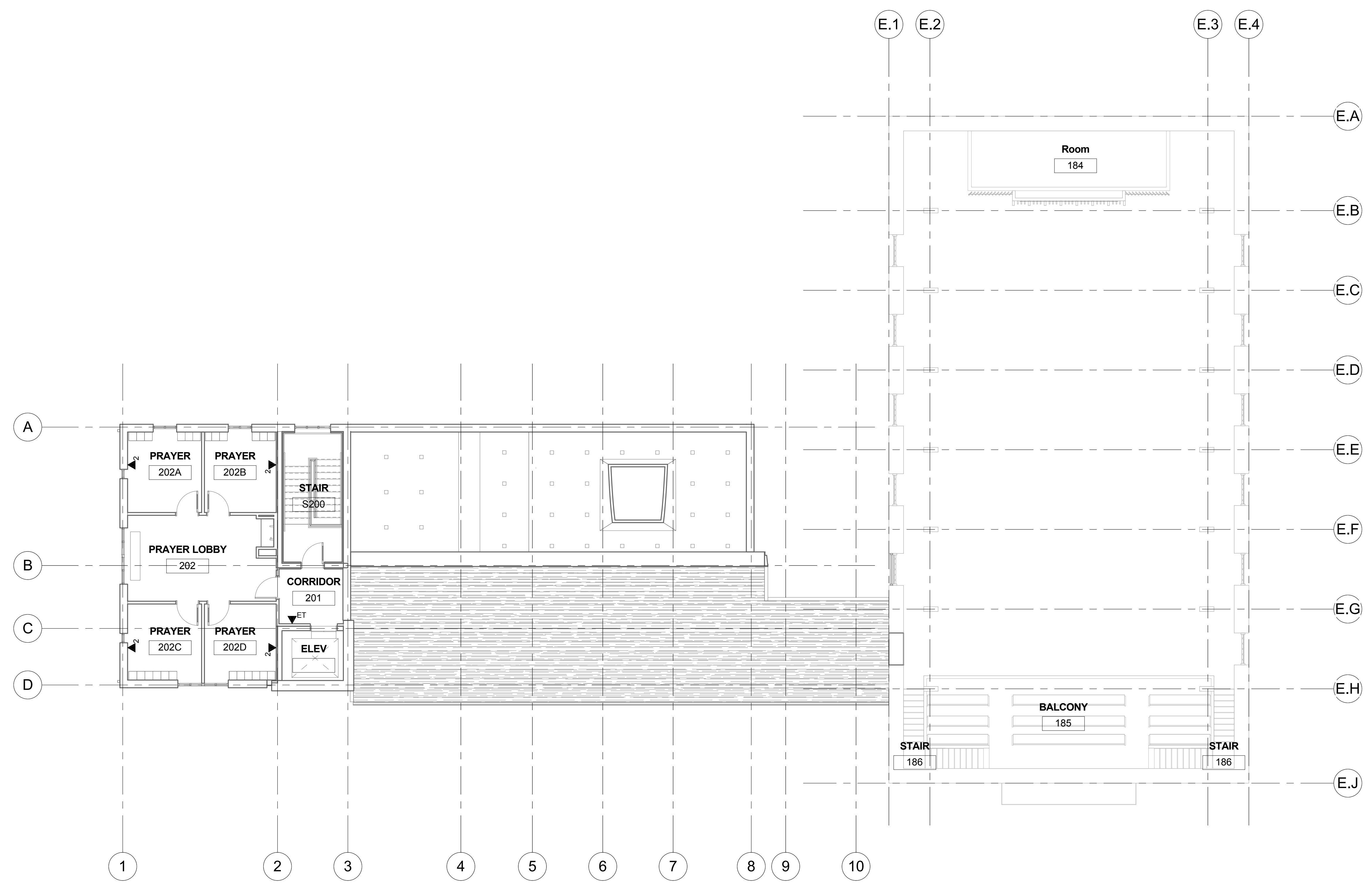
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DRAWN BY:	JVS

**PROJECT DESIGN PHASE**  
**50% CONSTRUCTION DOCUMENTS**

**DRAWING NAME**  
**TECHNOLOGY SYSTEMS FLOOR PLAN - LEVEL 2**

**DRAWING NUMBER**  
**T2.02**

- GENERAL NOTES:**
- ALL CABLING ON THIS SHEET SHALL BE TERMINATED IN THE LOWER LEVEL TELECOM ROOM.
  - SEE T4.00 FOR ADDITIONAL AUDIO VISUAL SYSTEM REQUIREMENTS.



02 LEVEL 2  
1/8" = 1'-0"

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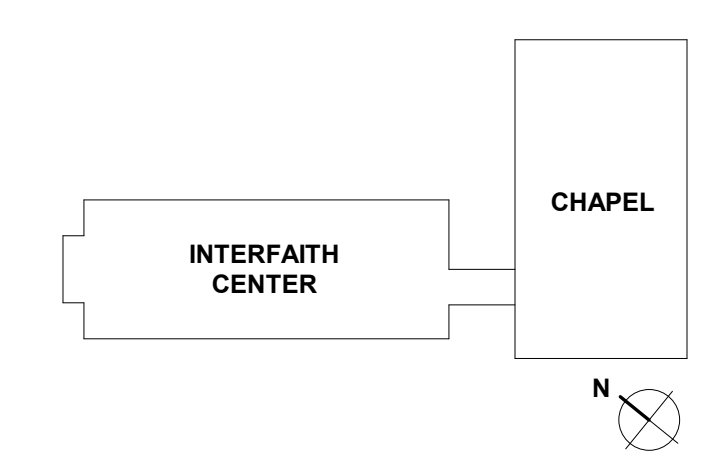
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ISSUE DATE:	04/28/17
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JOB NO.:	21641.00
DRAWN BY:	JVS

PROJECT DESIGN PHASE

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DRAWING NAME

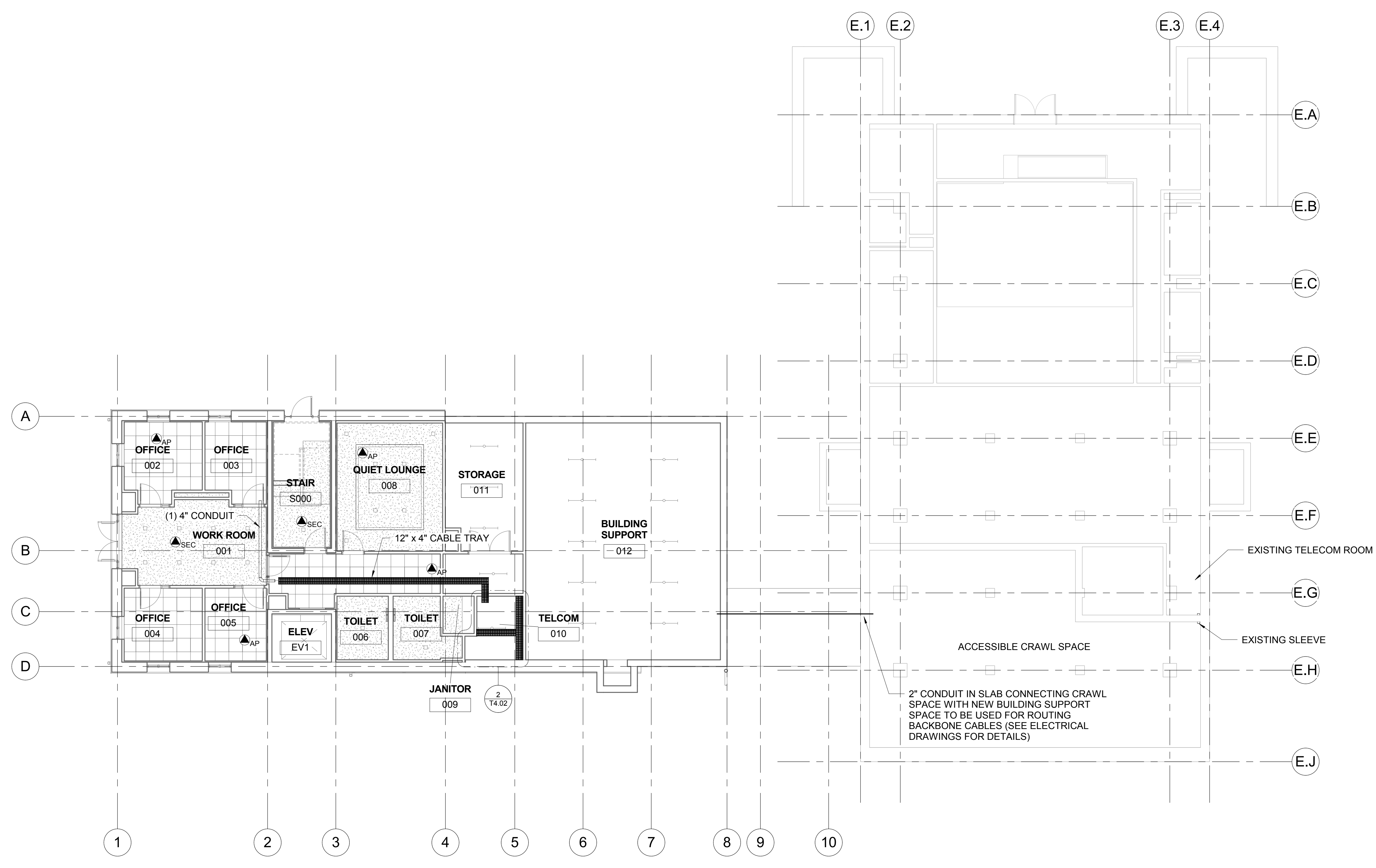
TECHNOLOGY SYSTEMS REFLECTED CEILING PLAN - LOWER LEVEL

DRAWING NUMBER

T3.00

GENERAL NOTES:

- PRIOR TO INSTALLING ANY CABLES OR ASSOCIATED PATHWAYS FOR WIRELESS ACCESS POINTS, CONTRACTOR SHALL REQUEST A HEAT MAP SURVEY FROM SU DOIT TO CONFIRM EXACT LOCATIONS OF WIRELESS ACCESS POINTS.



1 -03 LOWER LEVEL  
1/8" = 1'-0"

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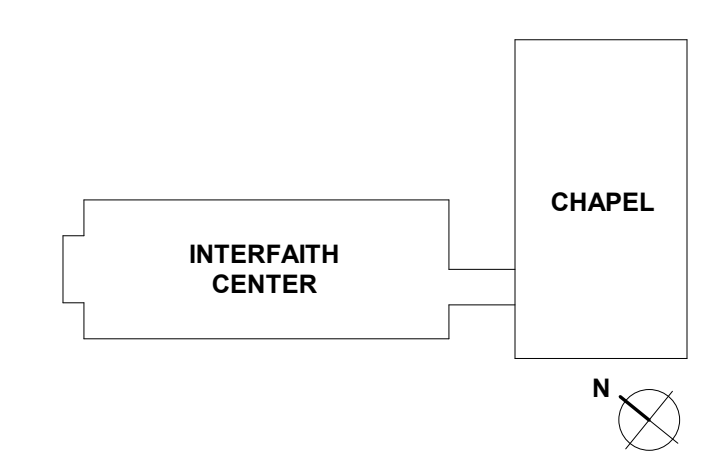
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KEY PLAN



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DRAWING INFORMATION	
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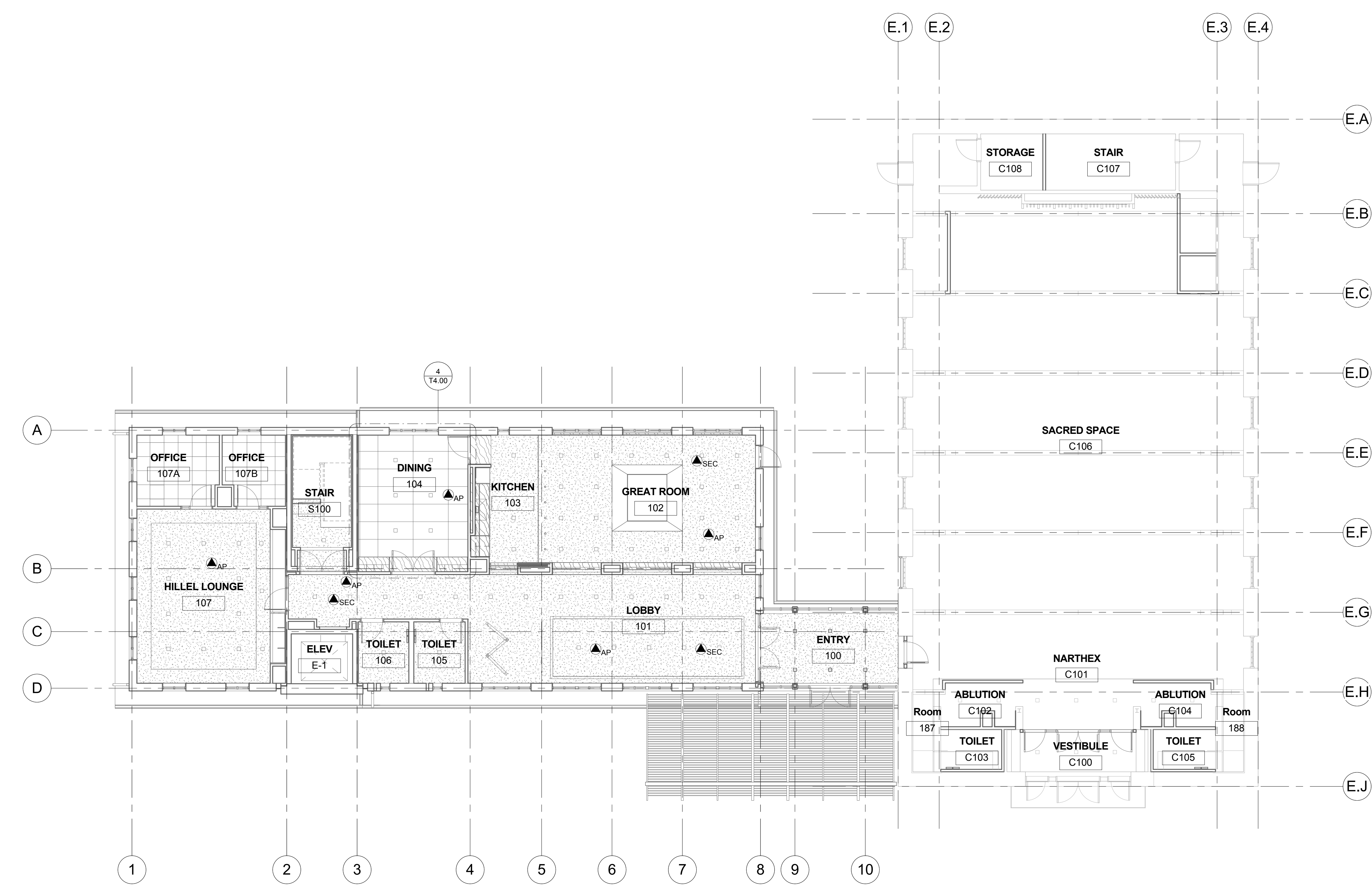
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DRAWING NAME  
**TECHNOLOGY SYSTEMS REFLECTED CEILING PLAN - LEVEL 1**

DRAWING NUMBER  
**T3.01**

GENERAL NOTES:

1. ALL CABLING ON THIS SHEET SHALL BE TERMINATED IN THE LOWER LEVEL TELECOM ROOM.
2. PRIOR TO INSTALLING ANY CABLES OR ASSOCIATED PATHWAYS FOR WIRELESS ACCESS POINTS, CONTRACTOR SHALL REQUEST A HEAT MAP SURVEY FROM SU DOIT TO CONFIRM EXACT LOCATIONS OF WIRELESS ACCESS POINTS.



1 00 GROUND LEVEL  
1/8" = 1'-0"

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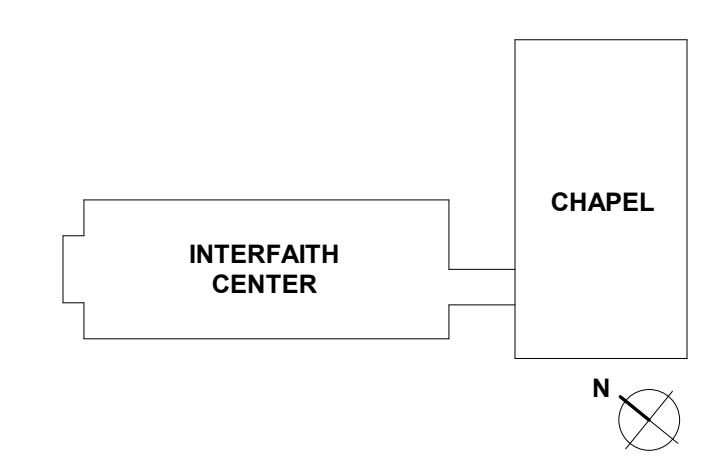
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DRAWING INFORMATION	
ISSUE DATE:	04/28/17
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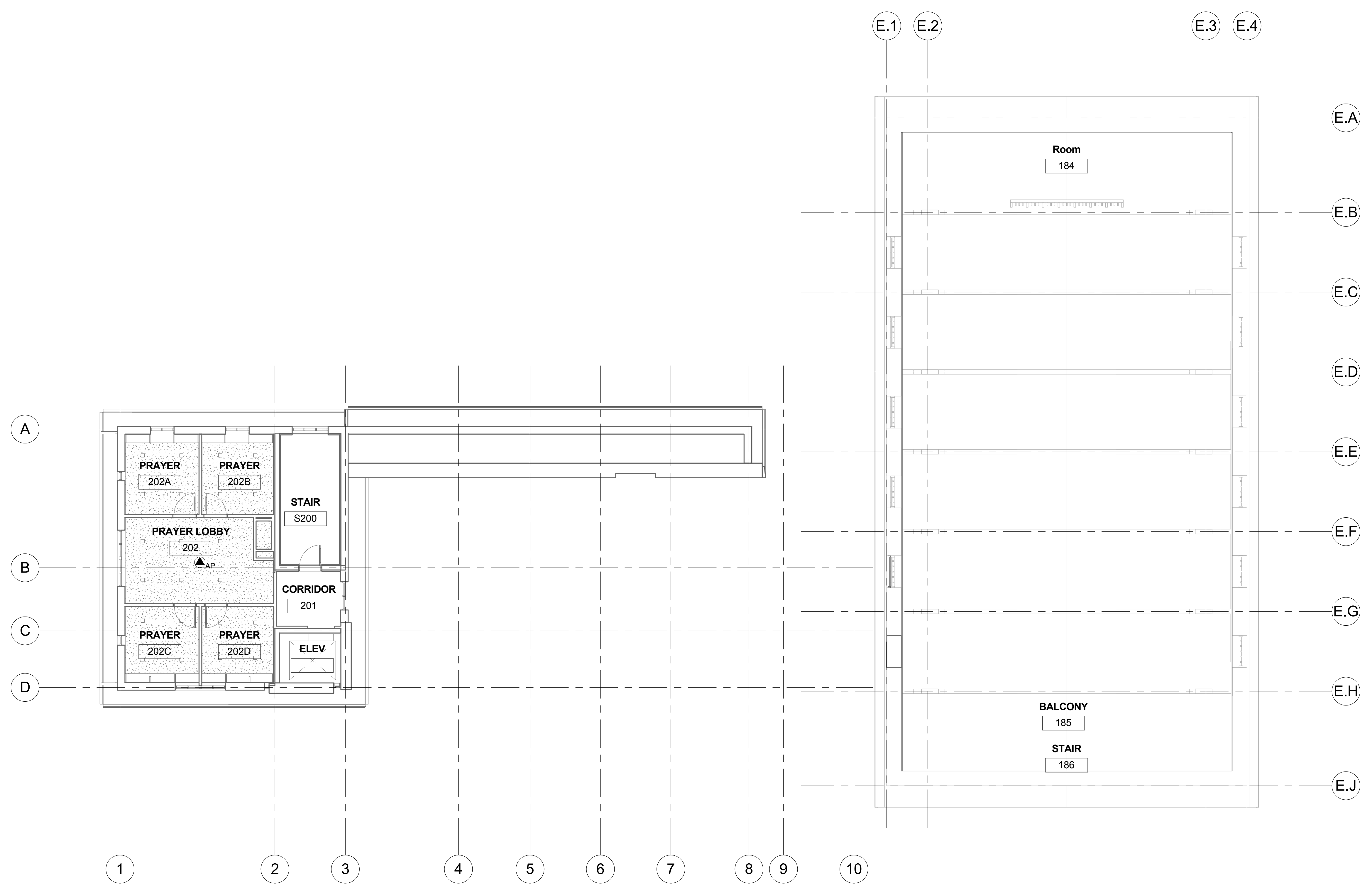
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DRAWING NAME  
**TECHNOLOGY SYSTEMS REFLECTED CEILING PLAN - LEVEL 2**

DRAWING NUMBER  
**T3.02**

GENERAL NOTES:

1. ALL CABLING ON THIS SHEET SHALL BE TERMINATED IN THE LOWER LEVEL TELECOM ROOM.
2. PRIOR TO INSTALLING ANY CABLES OR ASSOCIATED PATHWAYS FOR WIRELESS ACCESS POINTS, CONTRACTOR SHALL REQUEST A HEAT MAP SURVEY FROM SU DOIT TO CONFIRM EXACT LOCATIONS OF WIRELESS ACCESS POINTS.



1 02 LEVEL 2  
1/8" = 1'-0"

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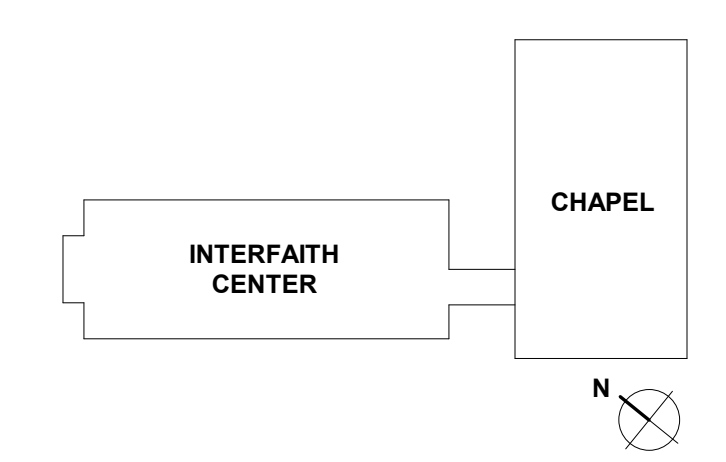
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JOB NO.:	21641.00
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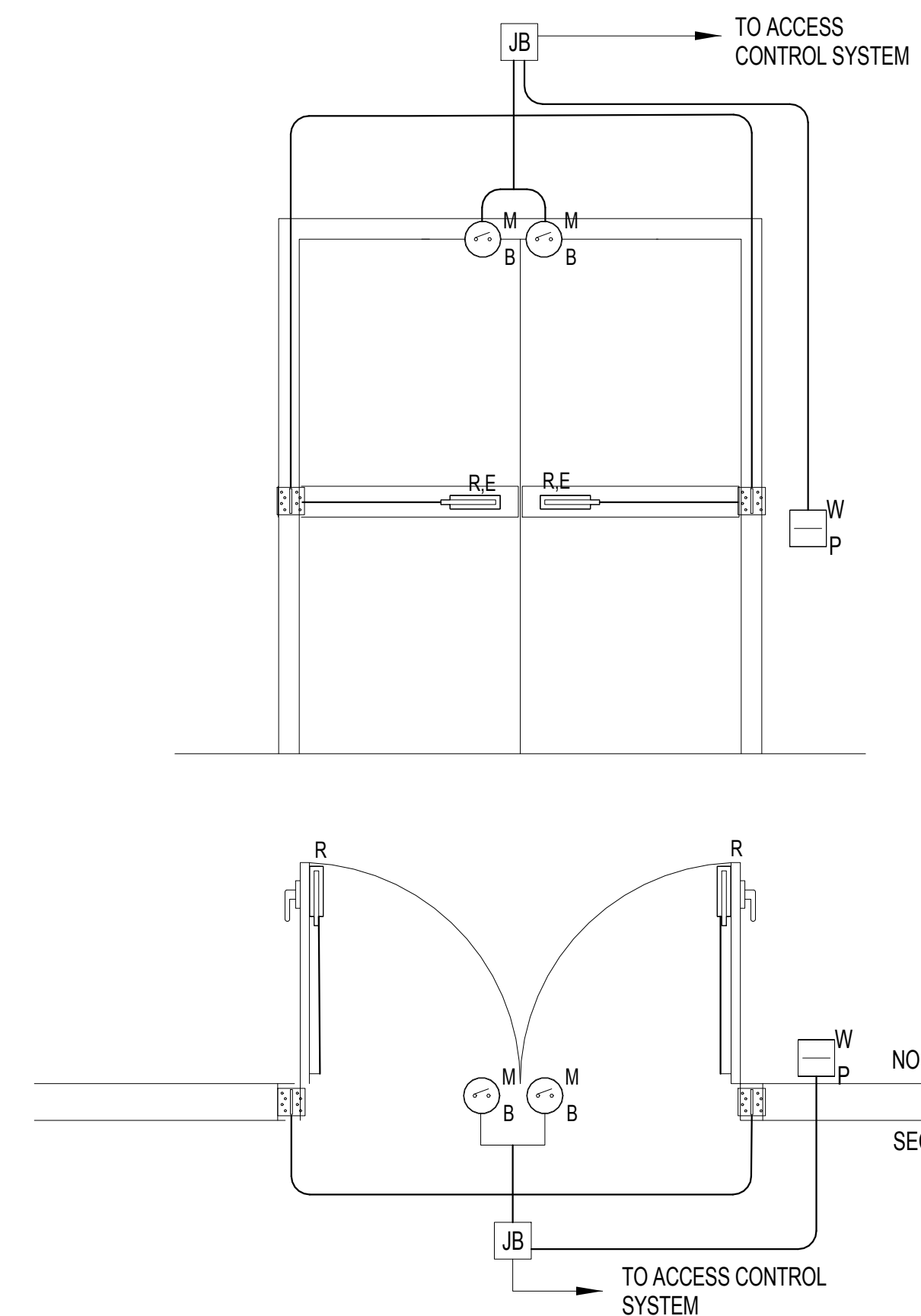
**PROJECT DESIGN PHASE**  
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**TECHNOLOGY SYSTEMS - SECURITY DETAILS**

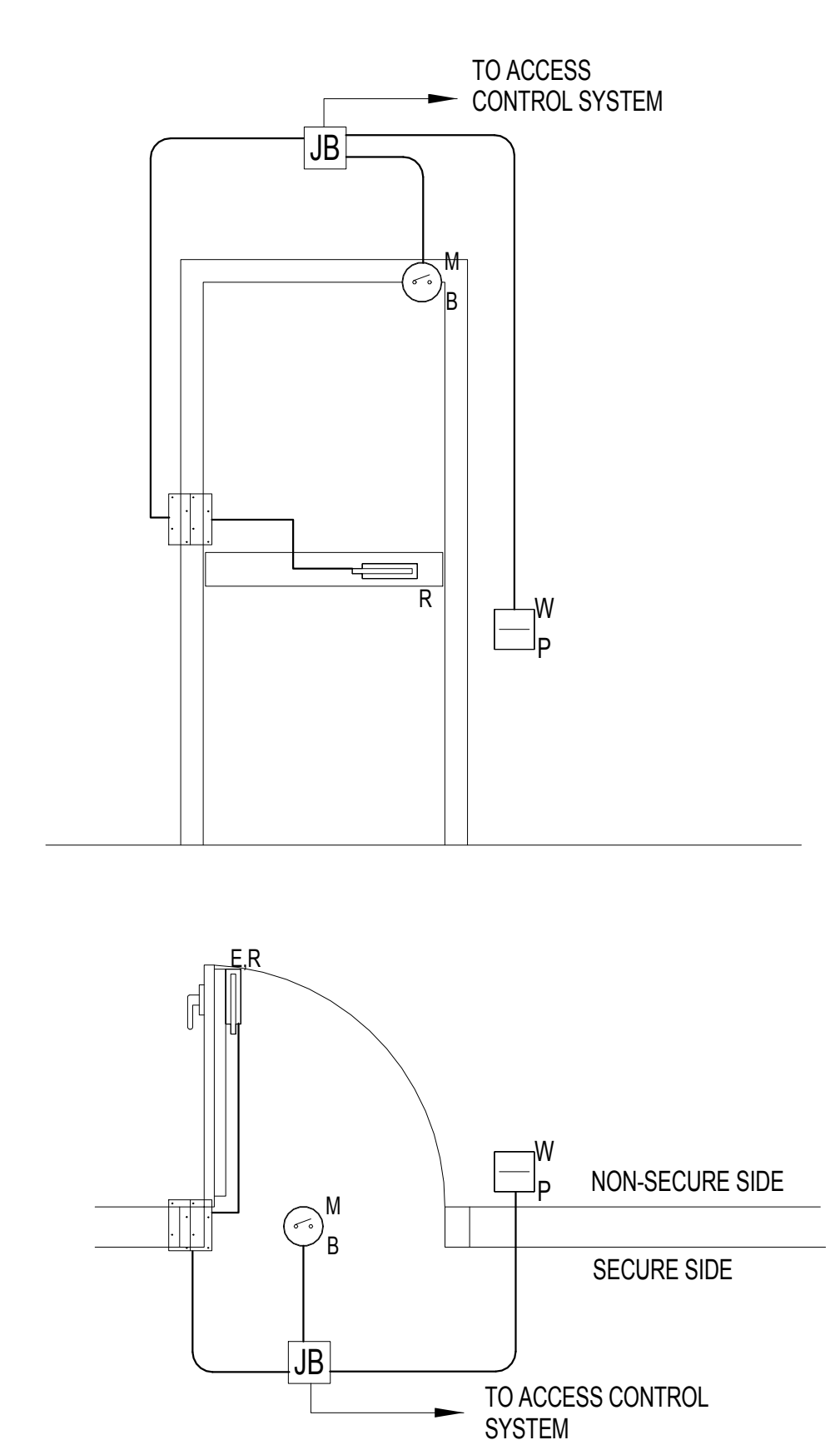
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**T4.01**

**SECURITY DOOR SCHEDULE**

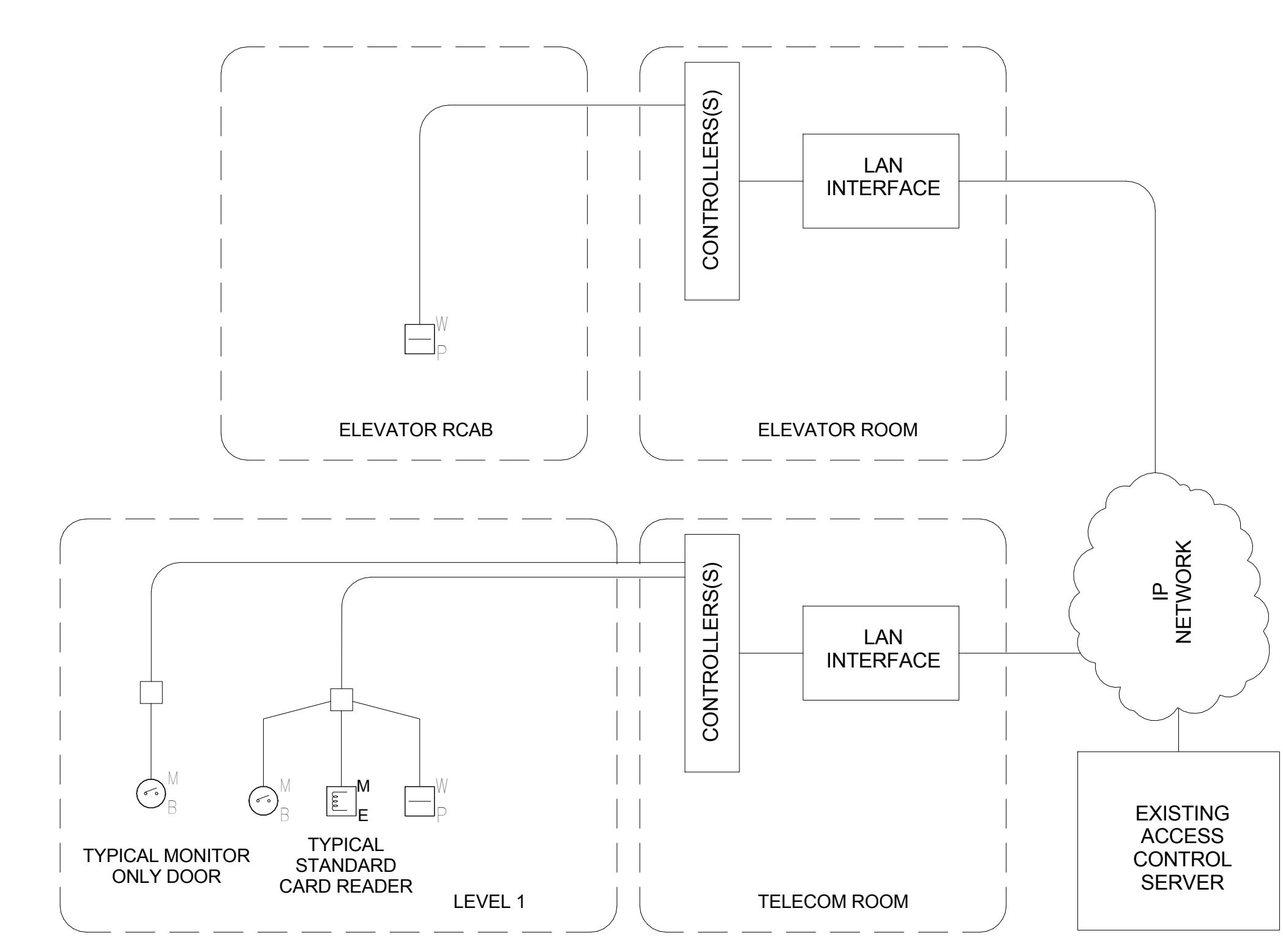
DOOR NO.	DOOR TYPE
0S2	A
001B	B
012F	A
100	B
102	A
C101	A
EV1	ELEVATOR



③ DOOR TYPE B  
NTS



② DOOR TYPE A  
NTS



① ACCESS CONTROL BLOCK DIAGRAM  
NTS

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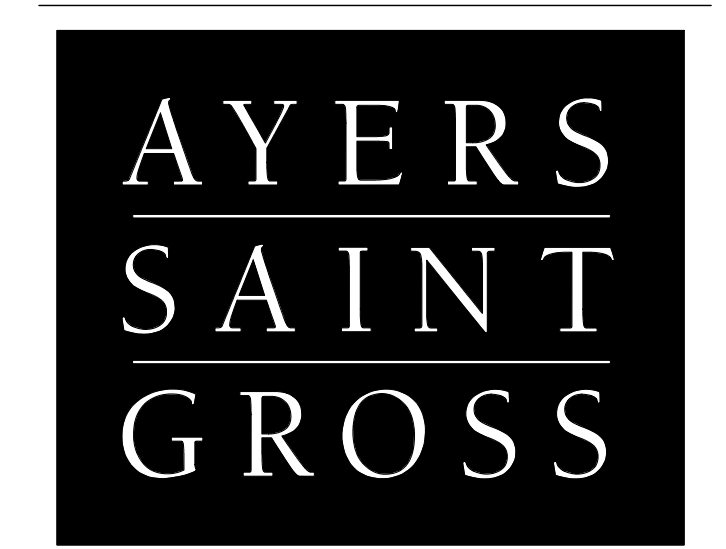
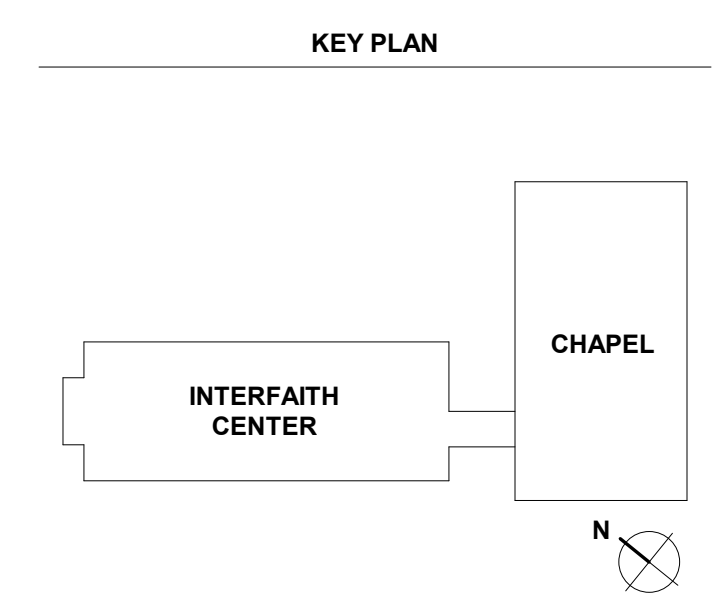
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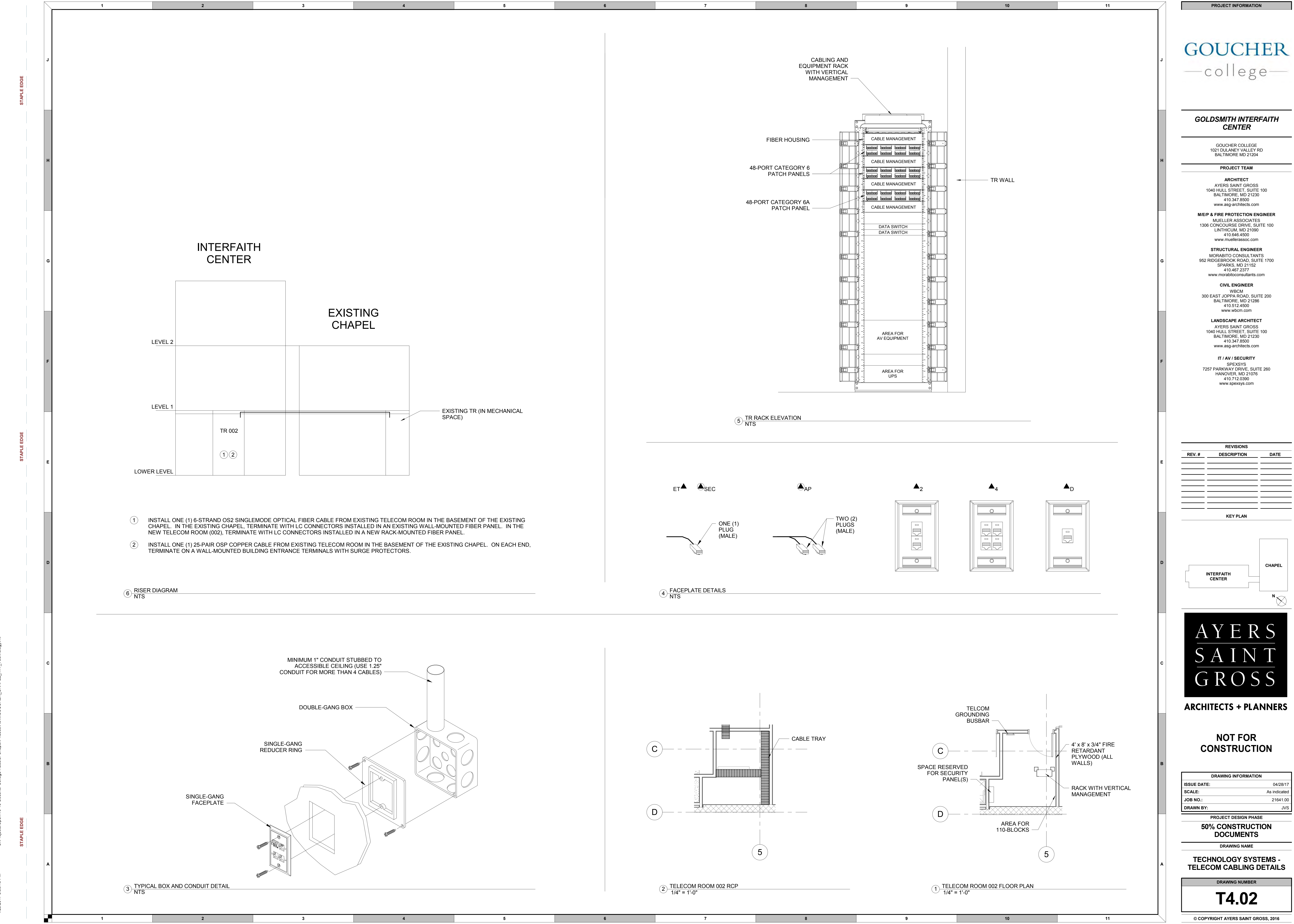
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DRAWN BY:	JVS

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**TECHNOLOGY SYSTEMS - TELECOM CABLING DETAILS**

**DRAWING NUMBER**  
**T4.02**



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