



**Partners in Design**  
ARCHITECTS

October 29, 2020

Mr. Matthew G. Sadowski  
Planning Manager  
City of Racine, Department of City Development, Division of Planning and  
Redevelopment  
730 Washington Avenue, Room 102  
Racine, WI 53403

RE: Racine Campus Lincoln Building Expansion

**Dear Mr. Sadowski:**

On behalf of Gateway Technical College, Partners in Design Architects is submitting for a Conditional Use Review from the Planning Heritage & Design Commission.

Attached is our Application for Conditional Use Review, Civil plans, Landscape plans and our architectural site plan, floor plans, and colored elevations. Additionally, we have included a material sample and color board for your reference, site of the existing building and its surroundings, and cut sheets for the storefront and curtain wall systems.

The following project narrative will provide the details and scope of the proposed project:

In the Fall of 2019, we investigated and prepared a Lincoln Building redevelopment study of which the Mayor's Chief Innovation Officer, Mr. William Martin represented the City of Racine. The study included a review of the existing building's usability, accessibility and systems. The Lincoln Building is a three-story, 10,264 square foot building constructed of precast concrete columns, beams and floor plates located on the southwest side of campus. The structural system is an exposed exoskeleton with the first floor completely recessed from the building perimeter and constructed of an aluminum storefront glazing system. The second and third floor building skin, is an aluminum-framed glazing system with an exposed aggregate concrete panel infilled between the columns. The redevelopment study concluded that the existing usable square footages on each floor were insufficient to accommodate the current curriculum-related program requirements and special needs of the programs and college. Additionally, the building does not comply with current accessibility and energy codes.

The proposed modifications to the Lincoln building are based on Use and Occupancy Classifications of Business Group B, Education above 12<sup>th</sup> grade, and a

**Partners in Design  
Architects, Inc.**

**W I S C O N S I N**  
600 Fifty Second Street  
Suite 220  
Kenosha, WI 53140  
262.652.2800

**I L L I N O I S**  
2610 Lake Cook Road  
Suite 280  
Riverwoods, IL 60015  
847.940.0300

[www.pidarchitects.com](http://www.pidarchitects.com)

**P A S S I O N C O L L A B O R A T I O N V I S I O N**

Construction Classification of Type IIB as defined in the 2015 International Building Code.

We are proposing two additions to the existing building, one the east side and one on the west side. These additions will house new code-compliant stairwells and an elevator. The additions will allow us to fully renovate this office building into a nursing school on the second and third floors with an Innovation center/common area on the first floor. The exterior fenestration will be completely re-clad with a thermally broken aluminum storefront system with Low-E, gas-filled insulated glazing system and an exterior wall mounted shading system. Lastly, all mechanical, electrical, and plumbing systems will be updated to meet or exceed current energy codes and LEED Silver standards. The proposed 3,200 sf expansion of the Lincoln building is well within the building height and area limitations set by the building code. The project scope includes a full building fire sprinkler system complying with the requirements set in the 2015 International Building Code Section 903.

We are not proposing any new site lighting with this project. The campus already has pedestrian lighting along its sidewalks and through the park. We are providing recessed can fixtures in the soffit of the first entry canopy.

Also, at this time, we are not proposing any new signage. If the college chooses to move forward with a separate signage package we will submit for review at that time.

The building is currently operated and maintained by Gateway Technical College with no contemplated changes at this time. Additionally, the college has no plans to modify the hours of operation or commitment to the maintenance of the building. The Lincoln building will be open Monday through Friday from 6:30 am to 10:00 pm and on Saturdays from 6:30 am to 3:00 pm. The campus takes deliveries at the Racine Building on the north side of campus, so no additional delivery accommodations are included in the Lincoln Building scope.

Based on average enrollment numbers, the new curriculum will not require the creation of any additional parking spaces. The existing four parking lots that serve the campus contain a sufficient parking count to satisfy the ordinance.

Sincerely,



Jeffrey E. Bridleman, AIA



## Application for Conditional Use Review

Applicant Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Agent Name: \_\_\_\_\_

Address: \_\_\_\_\_ City: \_\_\_\_\_

State: \_\_\_\_ Zip: \_\_\_\_\_

Telephone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Property Address (Es): \_\_\_\_\_

Current Zoning: \_\_\_\_\_

Current/Most Recent Property Use: \_\_\_\_\_

Proposed Use: \_\_\_\_\_





The application will be evaluated using the standards of Sec. 114-154 of the Municipal Code (below). Please use the space to justify and explain how your proposal addresses these conditions; use an additional sheet if necessary.

- (1) The establishment, maintenance, or operation of the conditional use will not be detrimental to, or endanger, the public health, safety, morals, comfort, or general welfare;

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- (2) The conditional use will not be injurious to the use and enjoyment of other property in the immediate vicinity for the purposes already permitted, nor substantially diminish and impair property values within the neighborhood;

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- (3) The establishment of the conditional use will not impede the normal and orderly development and improvement of the surrounding property for uses permitted in the district;

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- (4) Adequate utilities, access roads, drainage and/or necessary facilities have been or are being provided;

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- (5) Adequate measures have been or will be taken to provide ingress and egress so designed as to minimize traffic congestion in the public streets;

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- (6) The proposed conditional use is not contrary to the objectives of the current land use plan for the city; and

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- (7) The conditional use shall, in all other respects, conform to the applicable regulations of the district in which it is located, except as such regulations may, in each instance, be modified pursuant to the recommendations of the plan commission.

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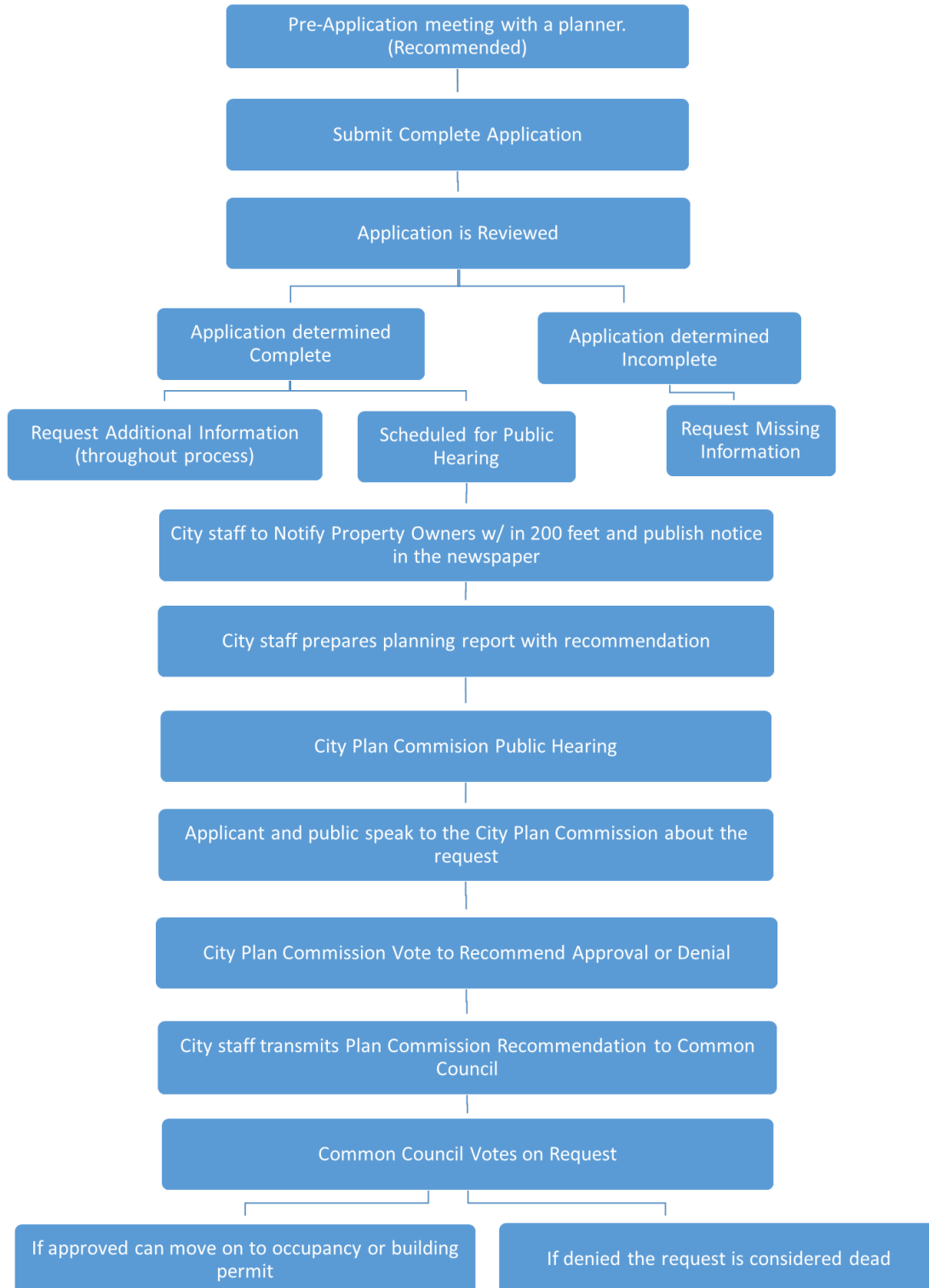
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## Application Review Process





If the required supplemental materials, which constitute a completed application, are not submitted, the application will not be processed.

**Required Submittal Format**

1. An electronic submission via email/USB drive/CD/Download link; and
2. One (1) paper copy, no larger than 11” x 17” size.

Required Submittal Item	Applicant Submitted	City Received
1. Conditional Use Review Application		
2. Written description of project, including: <ol style="list-style-type: none"> <li>a. Hours of operation</li> <li>b. Anticipated delivery schedule</li> <li>c. Maintenance plan</li> <li>d. General use of the building and lot</li> </ol>		
3. Site Plan (drawn to scale), including: <ol style="list-style-type: none"> <li>a. Fully dimensioned property boundary</li> <li>b. All buildings (existing and proposed)</li> <li>c. Setbacks from property lines</li> <li>d. Identification as to whether all elements are “Existing” or “Proposed”</li> <li>e. Dimensioned parking spaces and drive aisle layout</li> <li>f. Trash enclosure location and materials</li> <li>g. Loading spaces</li> <li>h. Fire hydrant locations</li> <li>i. Location of signage, with setbacks</li> </ol>		
4. Zoning Analysis Table <ol style="list-style-type: none"> <li>a. Land area (in acres and square feet)</li> <li>b. Building area (in square feet)</li> <li>c. Setbacks (required yards in feet)</li> <li>d. Floor Area Ratio (building area divided by lot area)</li> <li>e. Lot Coverage (building footprint divided by lot area)</li> <li>f. Height of all buildings and structures</li> <li>g. Percentage of greenspace (landscaped areas divided by lot area)</li> <li>h. Parking spaces</li> </ol>		
5. Landscape Plan <ol style="list-style-type: none"> <li>a. Bufferyards</li> <li>b. Parking Areas</li> <li>c. Screening and fencing locations</li> <li>d. Plant lists including the following: Latin and Common Names, Number of each planting material, and Size at planting.</li> </ol>		





Required Submittal Item	Applicant Submitted	City Received
6. Lighting Plan a. Location of light fixtures b. A cut sheet of light fixtures with indication of cut-offs or shielding c. Illumination diagram indicating intensity of lighting on the property.		
7. Floor Plan a. Preliminary floor plan layout of all buildings/structures b. Labels for the type of use of the area c. Labels for square footage of the area		
8. Engineering Plan a. Stormwater Plan (Drainage pattern, flow, detention) b. Existing and proposed roadway and access configurations c. Cross access		
9. Signage Plan a. dimensioned color elevations of signage b. A diagram showing the location of the proposed signage		
10. Building/site elevations (if new building or exterior changes planned) a. Building elevations showing all four sides of the buildings in color b. Elevation of trash enclosure area		
11. Building Material Samples (if making exterior changes)		
12. Review Fee		

**Acknowledgement and authorization signatures**

A conditional use is not like a building permit; applying does not mean it will be approved.

The approval may contain conditions related to the improvement of the site which must be met prior to the issuance of a building occupancy permit. Conditions related to the operational aspect(s) of the business must be complied with at all times. That, in the event site improvement work required by ordinance cannot be completed prior to desired occupancy, a financial assurance, at 100% of the improvement estimate, guaranteeing completion of the required improvements must be placed on file with the City of Racine. Estimates and Assurance documents are subject to the review and final approval by the City. Improvements may include but are not limited to landscaping, fencing, lighting, pavement surfacing and sealing, dumpster enclosures, and exterior building improvements;

The signature(s) hereby certify that the statements made by myself and constituting part of this application are true and correct. I am fully aware that any misrepresentation of any information on this application may be grounds for denial of this application.

Owner Signature (acknowledgement and authorization): \_\_\_\_\_ Date: \_\_\_\_\_

Applicant Signature (acknowledgement): \_\_\_\_\_ Date: \_\_\_\_\_







# GATEWAY TECHNICAL COLLEGE

## RACINE CAMPUS

# LINCOLN BUILDING EXPANSION - REMODEL

### PROJECT DATA

**REVIEW INFORMATION:**  
 LOCATION: MADISON  
 REVIEWER: MOKTAR TAMMALLAH  
 REVIEW DATE: NOVEMBER 11, 2020  
 TRANSACTION ID: 3327997

**BUILDING CODE INFORMATION:**  
 INTERNATIONAL BUILDING CODE - 2015 AS MODIFIED BY THE WISCONSIN ENROLLED COMMERCIAL BUILDING CODE IN CHAPTERS SPS 61 AND SPS 62, INTERNATIONAL EXISTING BUILDING CODE 2009, AND IN COMPLIANCE WITH THE CITY OF RACINE'S GENERAL AND ZONING ORDINANCE.

**USE & OCCUPANCY CLASSIFICATION:**  
 BUSINESS GROUP B, EDUCATION ABOVE 10TH GRADE  
 A-3, ASSEMBLY

**CONSTRUCTION CLASSIFICATION:**  
 (IEBC) UNPROTECTED TYPE IIB - SPRINKLERED

**LINCOLN BUILDING AREA:**  
 EXISTING LOWER LEVEL 2,701 SF ADDITION 438 SF  
 EXISTING FIRST FLOOR 1,764 SF ADDITION 2,067 SF

EXISTING SECOND FLOOR 4,453 SF ADDITION 864 SF  
 EXISTING THIRD FLOOR 4,453 SF ADDITION 864 SF  
 TOTAL 13,371 SF 4,233 SF

### GENERAL NOTES

- DO NOT SCALE DRAWINGS.
- CONTRACTOR SHALL FIELD VERIFY AND BECOME THOROUGHLY FAMILIAR WITH ALL CONDITIONS AND DIMENSIONS.
- EACH CONTRACTOR SHALL REVIEW COMPLETE PLANS FOR RELATED WORK.
- ALL WORK SHALL BE IN COMPLIANCE WITH STATE AND LOCAL CODES FOR RESPECTIVE TRADES.
- DEMOLITION DRAWINGS ARE PROVIDED AS A REFERENCE TO ESTABLISH THE GENERAL SCOPE OF DEMOLITION WORK. CONTRACTOR IS RESPONSIBLE TO COMPLETE ALL DEMOLITION WORK WHERE REQUIRED TO ACCOMMODATE NEW CONSTRUCTION AND PROTECT THE STRUCTURAL INTEGRITY OF EXISTING-TO-REMAIN. IMMEDIATELY CONTACT THE ARCHITECT IF SCHEDULED DEMOLITION WORK WILL COMPROMISE STRUCTURAL INTEGRITY OF EXISTING BUILDING PRIOR TO DEMOLITION.
- ALL BIDDING CONTRACTORS ARE REQUIRED TO WALK THROUGH PROJECT SITE TO BECOME FAMILIAR WITH SCOPE AND INTENT OF THE CONSTRUCTION DOCUMENTS.
- BUILDING AND ADJACENT BUILDINGS WILL REMAIN OPERATIONAL THROUGHOUT PROJECT DURATION.
- GENERAL CONTRACTOR TO INCLUDE IN THEIR BASE BID ANY WEATHER PROTECTION AND/OR WATER CONDITIONS THEY DETERMINE NECESSARY TO COMPLETE THE PROJECT AS DEFINED BY THESE DOCUMENTS.
- GATEWAY TECHNICAL COLLEGE IS COMMITTED TO IMPLEMENTING SUSTAINABLE INITIATIVES IN ALL THEIR BUILDING PRACTICES. CONTRACTOR IS TO DIVERT WASTE FROM LANDFILLS THROUGH BEST CONSTRUCTION WASTE MANAGEMENT PRACTICES. DEMOLITION AND CONSTRUCTION DEBRIS IS TO BE SEPARATED AS APPROPRIATE FOR RECYCLING. RECYCLING SCALE TICKETS OR HAULER RECEIPT TO BE PROVIDED TO OWNER. A LIST OF RECYCLING HAULERS AND DROP-OFF LOCATIONS ARE AVAILABLE AT [www.WASTECAFUL.org](http://www.WASTECAFUL.org)

### SHEET INDEX

T1 TITLE SHEET

**CIVIL**  
 C1 EXISTING CONDITIONS  
 C2 SITE DEMOLITION & DIMENSIONED SITE PLAN  
 C3 EROSION CONTROL PAVEMENT GRADING & UTILITY PLAN  
 C4 CONSTRUCTION DETAILS AND TYPICAL SECTIONS

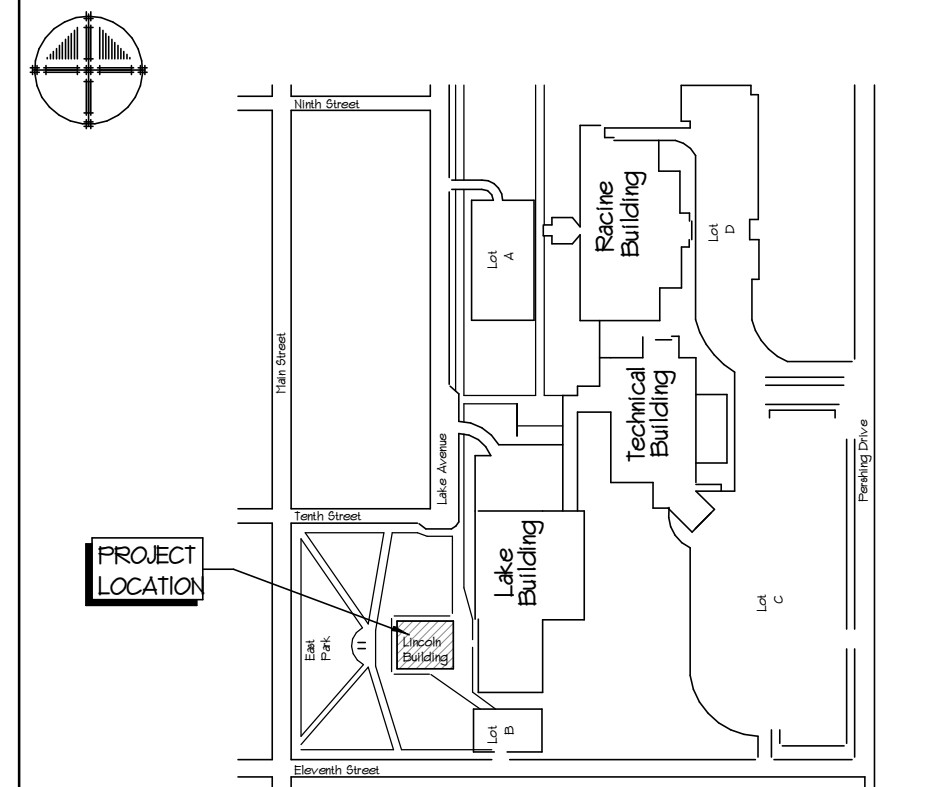
**LANDSCAPING**  
 L1.0 EXISTING LANDSCAPE CONDITIONS  
 L1.0 LANDSCAPE PLAN

**ARCHITECTURAL**  
 A1.1 ARCHITECTURAL SITE PLAN  
 A3.1 FLOOR PLANS AND DETAILS  
 A3.2 FLOOR PLANS AND DETAILS  
 A4.1 EXTERIOR ELEVATIONS

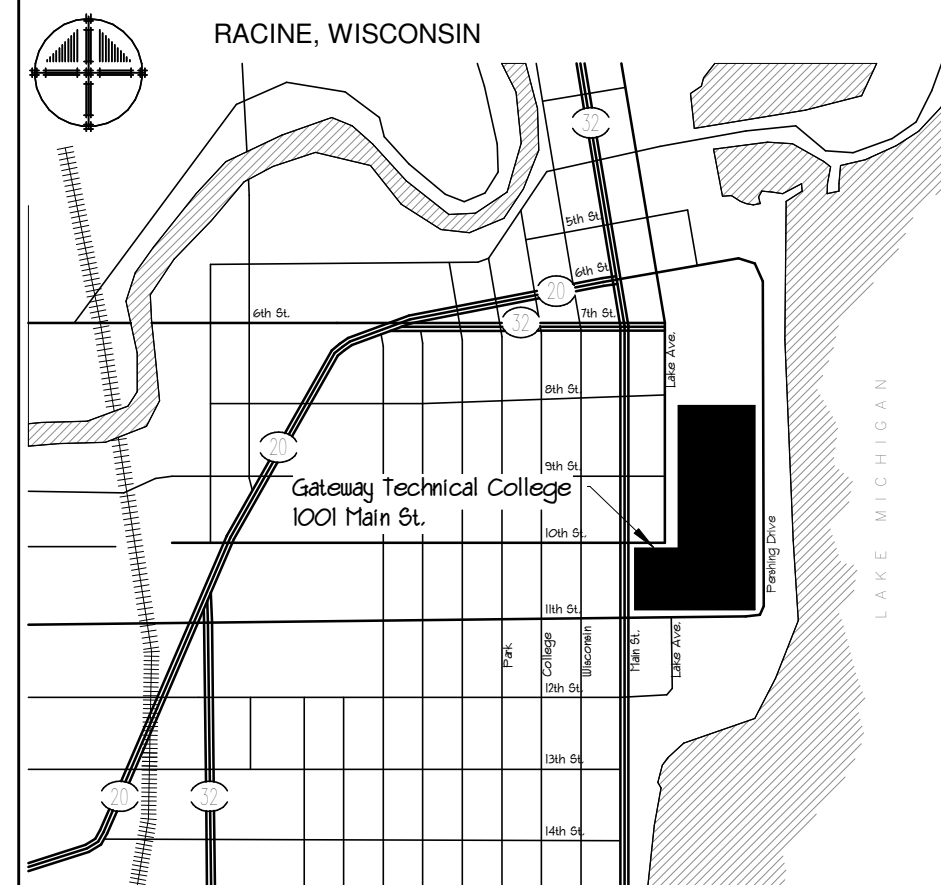
### ABBREVIATIONS

ALT	ALTERNATE	HT	HEIGHT
A/E	ARCHITECT/ENGINEER	H/W	HOT WATER
AF	ABOVE FINISH FLOOR	INT	INTERIOR
ALUM	ALUMINUM	INSUL	INSULATION
BD	BOARD	JOINT	JOINT
BO	BOTTOM OF	LAV	LAVATORY
CPT	CARPET	MFR	MANUFACTURER
<	CENTER LINE	MIN	MINIMUM
CLG	CEILING	MO	MASONRY OPENING
CJ	CONTROL JOINT	MTL	METAL
CNU	CONCRETE MASONRY UNIT	NIC	NOT IN CONTRACT
CONC	CONCRETE	NIS	NOT TO SCALE
CONT	CONTINUOUS	OC	ON CENTER
CO	CLEAN OUT	OFCI	OWNER FURNISHED, CONTRACTOR TO INSTALL
CW	COLD WATER	OPF	OPPOSITE
CEL	CERAMIC TILE	PLYUD	PLYWOOD
DB	DOUBLE	FL	PLASTIC LAMINATE
DF	DRINKING FOUNTAIN	>	PLATE
DIA	DIAMETER	PT	PORCELAIN TILE
DM	DIMENSION	QT	QUARRY TILE
DN	DOWN	REQ'D	REQUIRED
DR	DOOR	RSD	ROUGH OPENING
DS	DOWNSPOUT	SHT	SHEET
DTL	DETAIL	SV	SHEET VINYL
DWG	DRAWING	SM	SIMILAR
EA	EACH	SS	SOLID SURFACE
EIP6	EXTERIOR INSULATION AND FINISH SYSTEM	SS	STAINLESS STEEL
EL	ELEVATION	STP	STANDARD
EJ	EXPANSION JOINT	SAT	SUSPENDED ACOUSTIC TILE CEILING
EQ	EQUAL	TBD	TO BE DETERMINED
EQUIP	EQUIPMENT	TEMP	TEMPORARY
EXIST	EXISTING	T/O	TOP OF
EXT	EXTERIOR	T&G	TONGUE AND GROOVE
EWIC	ELECTRIC WATER COOLER	TYP	TYPICAL
FEC	FIRE EXTINGUISHER CABINET	UNO	UNLESS NOTED OTHERWISE
FIN	FINISH	VCT	VINYL COMPOSITION TILE
FD	FLOOR DRAIN	VB	VINYL BASE
FLR	FLOOR	VIF	VERIFY IN FIELD
FRP	FIBERGLASS REINFORCED PLASTIC	WD	WOOD
GA	GAUGE	WUF	WELDED WIRE FABRIC
GALV	GALVANIZED		
GYP BD	GYPSONUM BOARD		
HDR	HARDWARE		
HM	HOLLOW METAL		

### KEY PLAN



### LOCATION MAP



**CLIENT:**  
 GATEWAY TECHNICAL COLLEGE  
 1001 S. MAIN ST  
 RACINE, WI 53403  
 PHONE: 262.619.6724  
 ATTN: JOHN THELEN



**ARCHITECT:**  
 PARTNERS IN DESIGN ARCHITECTS  
 600 5th STREET, SUITE 200  
 KENOSHA, WISCONSIN 53140  
 PHONE: 262.652.2800  
 ATTN: JEFF BRIDLEMAN



**CONSTRUCTION MANAGER:**  
 CAMOSY CONSTRUCTION  
 1796 20TH AVENUE  
 KENOSHA, WISCONSIN 53142  
 PHONE: 262.592.9440  
 FAX: 262.592.0480  
 ATTN: TYLER THEIL  
 OR BOB NIKOLAI



**CIVIL ENGINEER:**  
 NIELSEN MADSEN & BARBER SC  
 450 HORIZON BLVD., SUITE 200  
 RACINE, WISCONSIN 53406  
 PHONE: 262.634.5588  
 FAX: 262.634.5024  
 ATTN: MARK EBERLE



**STRUCTURAL ENGINEER:**  
 RA SMITH  
 16745 WEST BLUEMOUND ROAD  
 BROOKFIELD, WISCONSIN 53005  
 PHONE: 262.317.3362  
 ATTN: NICK DECENT, P.E.



**MEP ENGINEER:**  
 IBC ENGINEERING SERVICES, INC.  
 720 INDUSTRIAL DRIVE, SUITE 500  
 CARY, ILLINOIS 60013  
 PHONE: 847.916.3500  
 FAX: 262.549.1620  
 ATTN: KEITH ORLOWSKI, P.E.



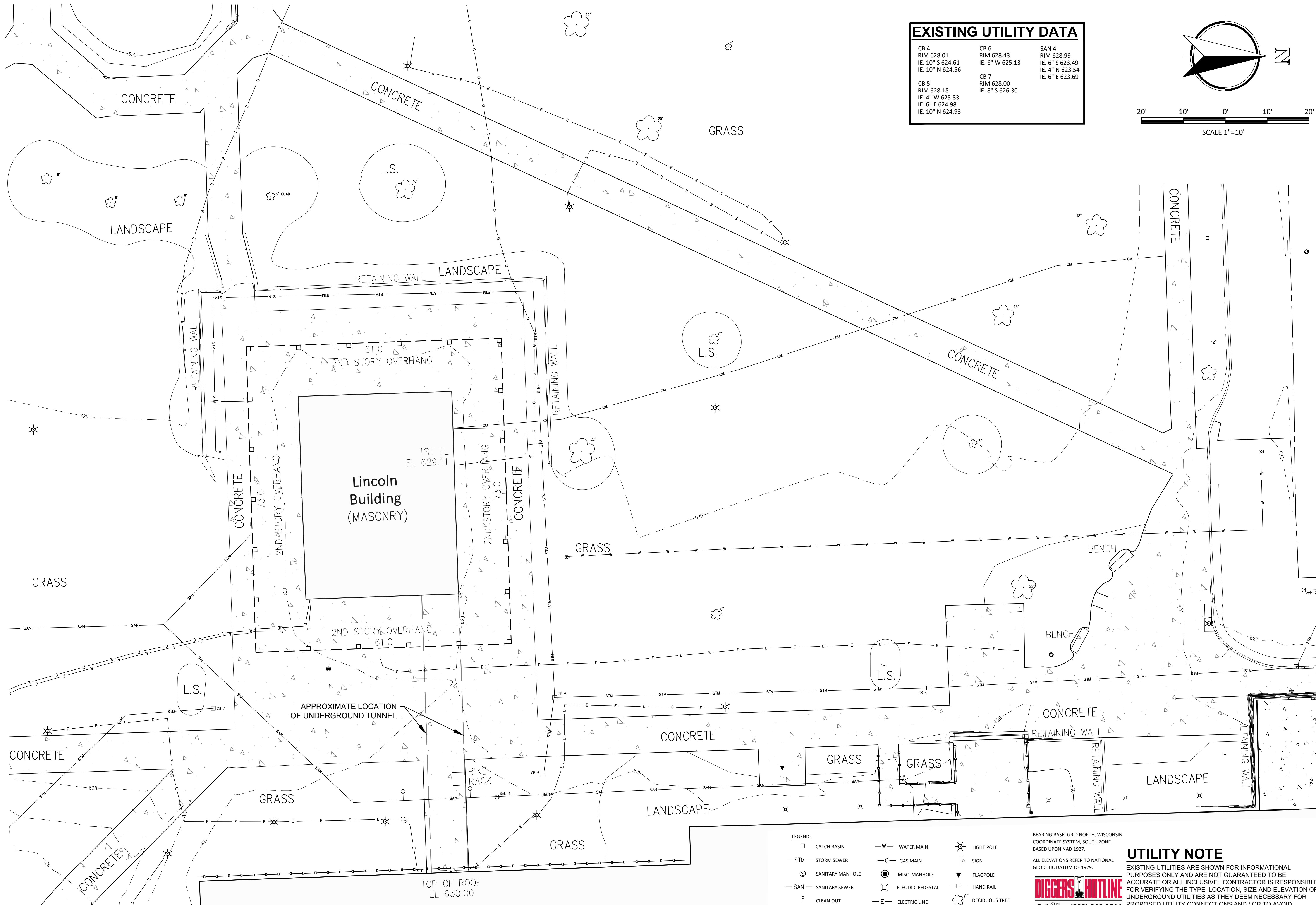
**LANDSCAPE ARCHITECT:**  
 TOM H. NORDLOH ASSOCIATES  
 4111 TAFT ROAD  
 KENOSHA, WI 53142  
 PHONE: 262.436.9191  
 ATTN: TOM NORDLOH

LINCOLN BUILDING  
 EXPANSION - REMODEL

PROJECT NUMBER:  
 191.20.059

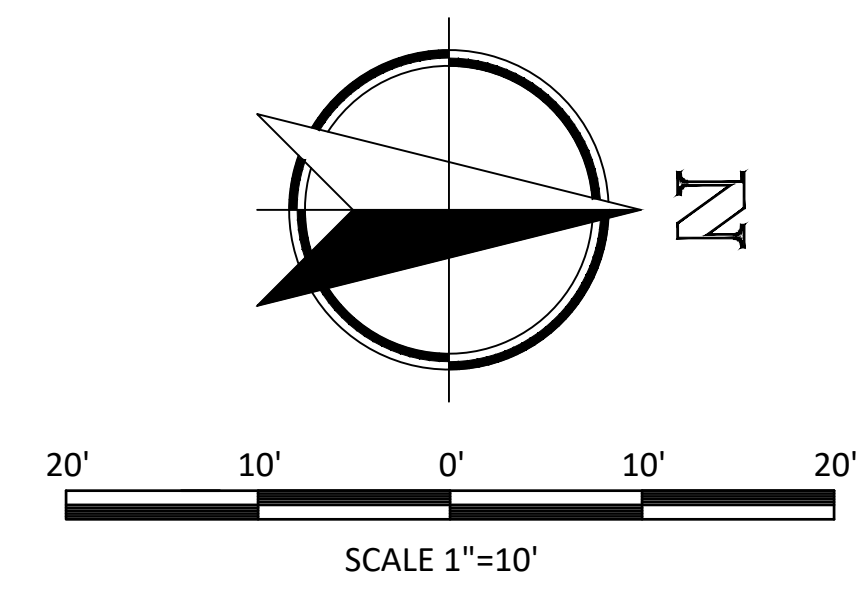
DATE: 10.15.2020





**EXISTING UTILITY DATA**

CB 4 RIM 628.01 IE. 10" S 624.61 IE. 10" N 624.56	CB 6 RIM 628.43 IE. 6" W 625.13	SAN 4 RIM 628.99 IE. 6" S 623.49 IE. 4" N 623.54 IE. 6" E 623.69
CB 5 RIM 628.18 IE. 4" W 625.83 IE. 6" E 624.98 IE. 10" N 624.93	CB 7 RIM 628.00 IE. 8" S 626.30	



**LEGEND:**

□ CATCH BASIN	—W— WATER MAIN	⊙ LIGHT POLE
—STM— STORM SEWER	—G— GAS MAIN	⊞ SIGN
⊙ SANITARY MANHOLE	⊙ MISC. MANHOLE	⚑ FLAGPOLE
—SAN— SANITARY SEWER	⊙ ELECTRIC PEDESTAL	—H— HAND RAIL
⊙ CLEAN OUT	—E— ELECTRIC LINE	⊙ DECIDUOUS TREE
⊙ WATER VALVE	—CM— COMMUNICATION LINE	⊙ CONIFEROUS TREE

BEARING BASE: GRID NORTH, WISCONSIN COORDINATE SYSTEM, SOUTH ZONE, BASED UPON NAD 1927.

ALL ELEVATIONS REFER TO NATIONAL GEODETIC DATUM OF 1929.

**DIGGERS HOTLINE**  
Call 811 or (800) 242-8511  
www.DiggersHotline.com

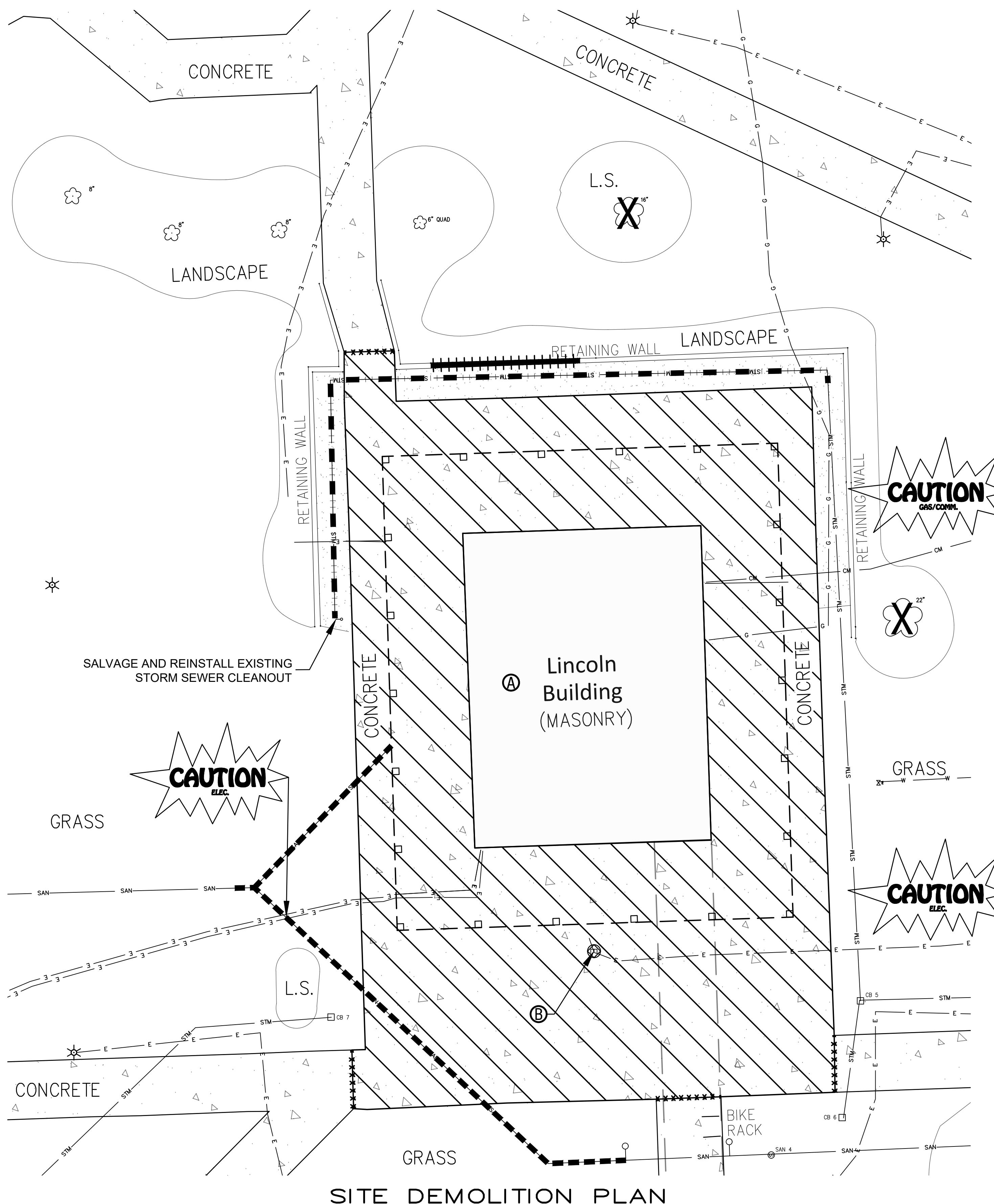
**UTILITY NOTE**  
EXISTING UTILITIES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY AND ARE NOT GUARANTEED TO BE ACCURATE OR ALL INCLUSIVE. CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE TYPE, LOCATION, SIZE AND ELEVATION FOR UNDERGROUND UTILITIES AS THEY DEEM NECESSARY FOR PROPOSED UTILITY CONNECTIONS AND / OR TO AVOID DAMAGE THERETO. CONTRACTOR SHALL CALL "DIGGER'S HOTLINE" PRIOR TO ANY CONSTRUCTION.

PROJECT NO: 2008015541  
 DRAWN BY: JEG  
 CHECKED BY: MDE  
 DATE: 10.15.2010  
 SHEET NO: C1

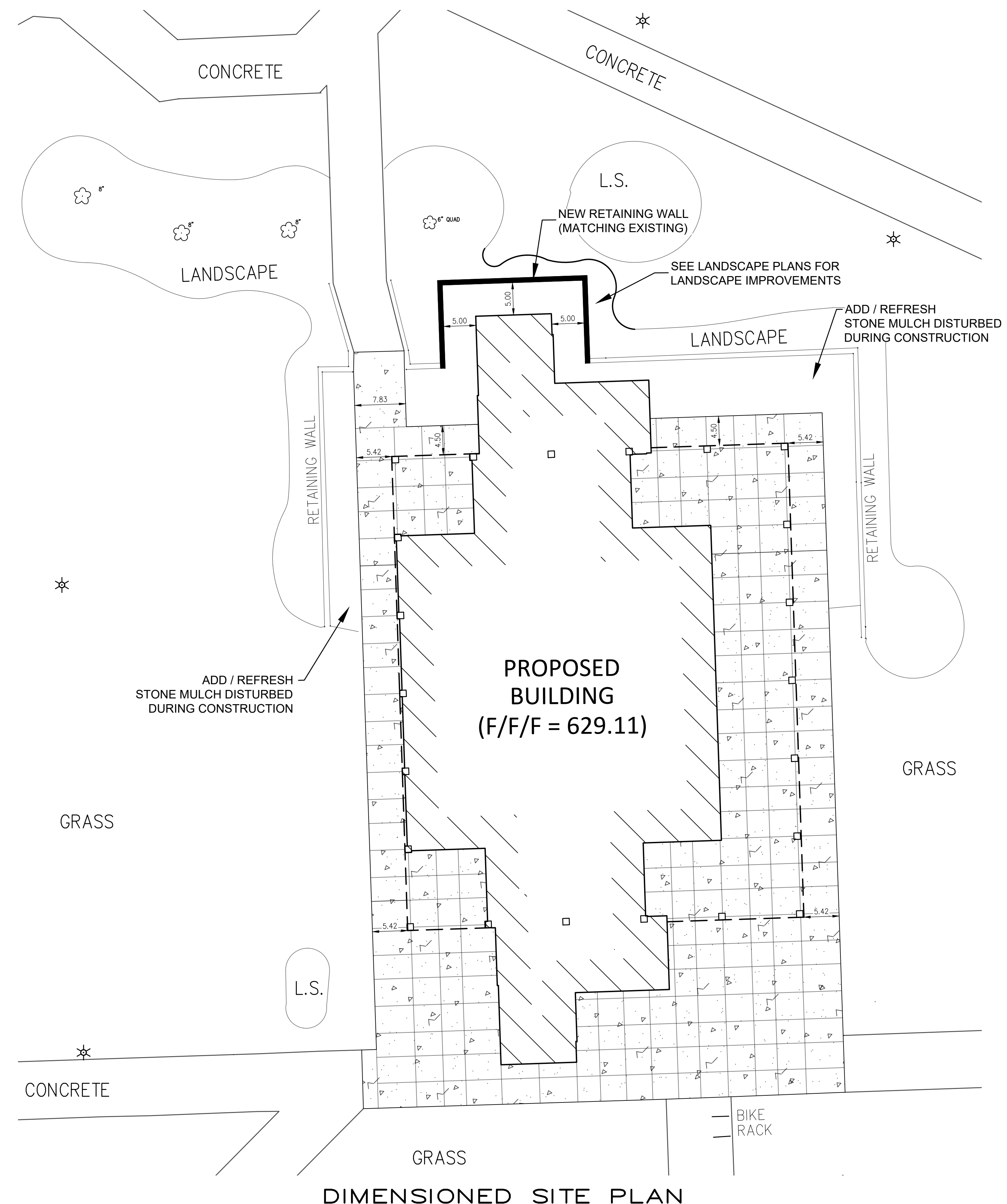
**Nielsen Madsen + Barber**  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 1458 Horizon Blvd, Suite 200, Racine, WI, 53406  
 Tel: (262)634-5588 Website: www.nmbssc.net

**LINCOLN BUILDING EXPANSION - REMODEL**  
 GTC RACINE CAMPUS  
 EXISTING CONDITIONS





**SITE DEMOLITION PLAN**



**DIMENSIONED SITE PLAN**



Call 811 or (800) 242-8511  
www.DiggersHotline.com

**UTILITY NOTE**

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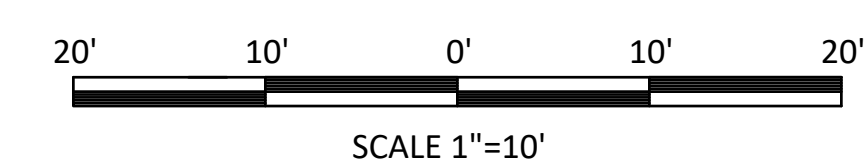
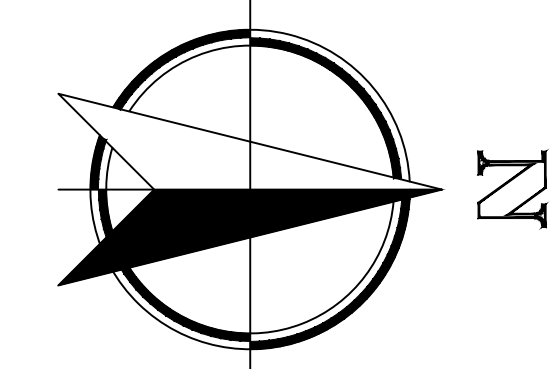
**SITE DEMOLITION LEGEND**

- \*\*\*\*\* SAW CUT PAVEMENT (FULL DEPTH)
- RELAY SANITARY SEWER
- ABANDON UNDERDRAIN IN PLACE
- ||||| REMOVE & SALVAGE RETAINING WALL

- REMOVE CONCRETE PAVEMENT & BASE
- CLEAR & GRUB ISOLATED TREES
- SEE ARCHITECTURAL PLANS FOR BUILDING DEMOLITION
- REMOVE MANHOLE (SEE ELECTRICAL PLANS)

**SITE LEGEND**

- LIGHT DUTY CONCRETE PAVEMENT



PROJECT NO: 2008015541  
 DRAWN BY: JEG  
 CHECKED BY: MDE  
 DATE: 10.15.2020  
 SHEET NO: C2

**Nielsen Madsen + Barber**  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 1458 Horizon Blvd, Suite 200, Racine, WI, 53406  
 Tel: (262)634-5588 Website: www.nmbssc.net

**LINCOLN BUILDING EXPANSION - REMODEL**  
**GTC RACINE CAMPUS**  
**SITE DEMOLITION & DIMENSIONED SITE PLAN**

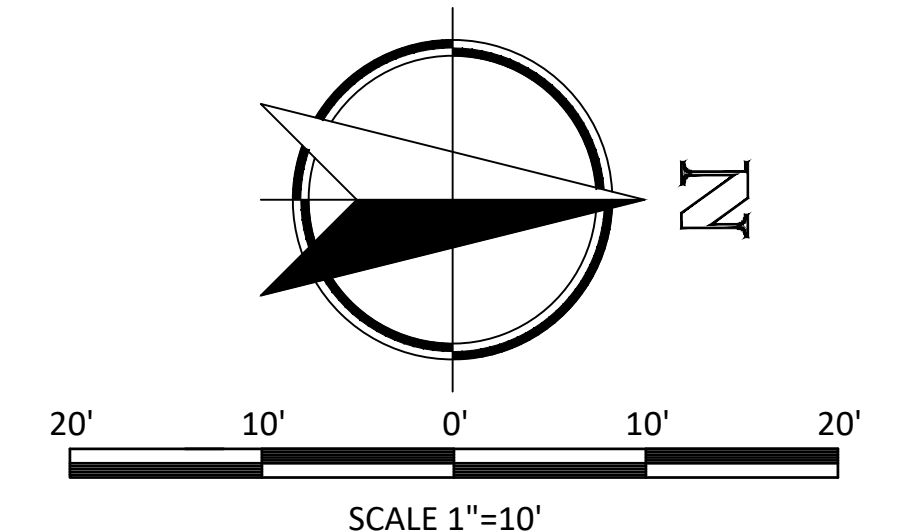


**SITE GRADING & EROSION CONTROL LEGEND**

- 604.88 EXISTING PAVEMENT GRADE
- 604.88 FINISHED PAVEMENT GRADE
- 1 C-4 STORM INLET PROTECTION
- 2 LLLLLL STONE TRACKING PAD (TO BE FIELD LOCATED & COORDINATED WITH THE CITY OF RACINE AND THE OWNER)

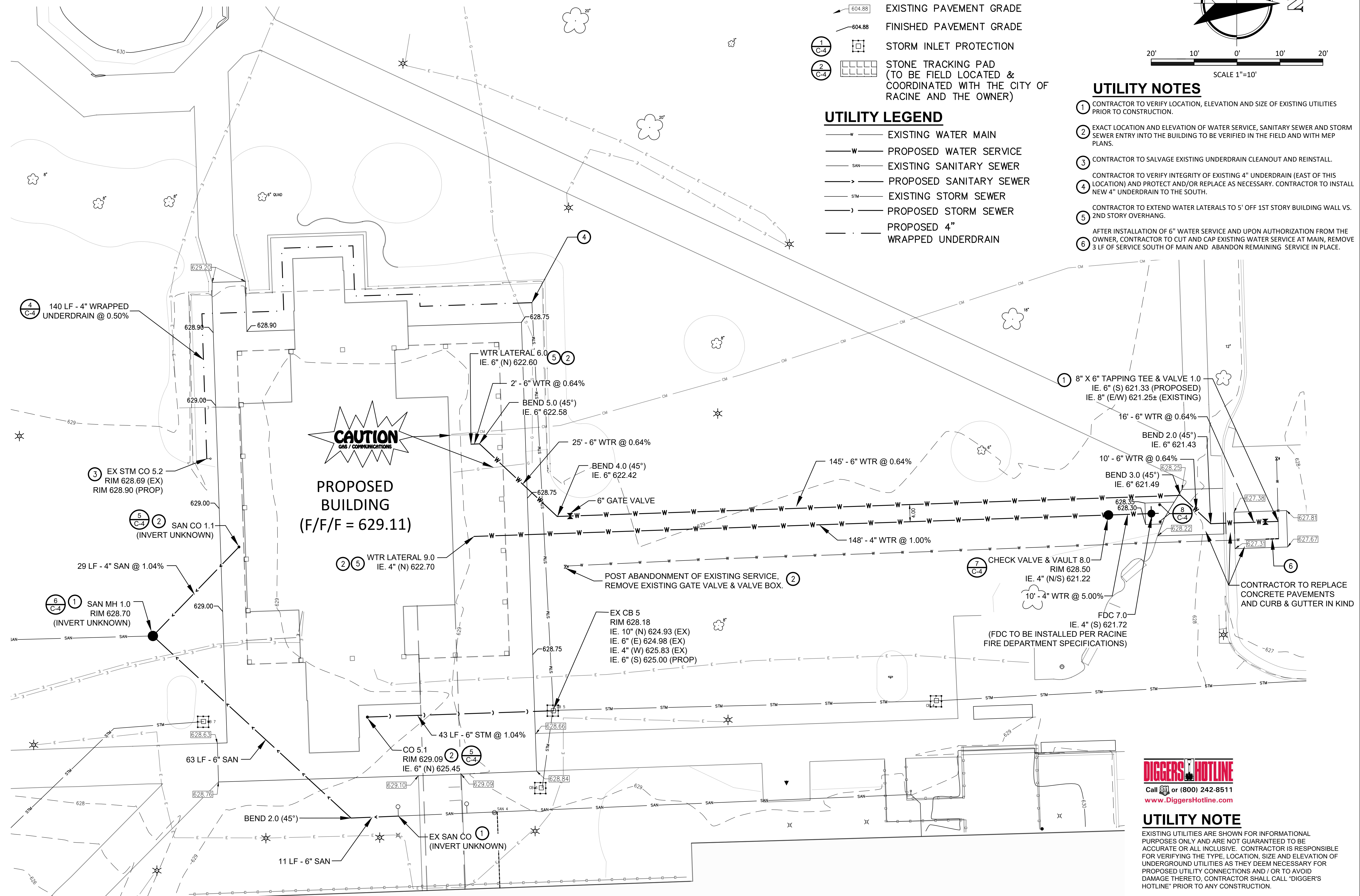
**UTILITY LEGEND**

- W — EXISTING WATER MAIN
- W — PROPOSED WATER SERVICE
- SAN — EXISTING SANITARY SEWER
- SAN — PROPOSED SANITARY SEWER
- STM — EXISTING STORM SEWER
- STM — PROPOSED STORM SEWER
- — PROPOSED 4" WRAPPED UNDERDRAIN



**UTILITY NOTES**

- 1 CONTRACTOR TO VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- 2 EXACT LOCATION AND ELEVATION OF WATER SERVICE, SANITARY SEWER AND STORM SEWER ENTRY INTO THE BUILDING TO BE VERIFIED IN THE FIELD AND WITH MEP PLANS.
- 3 CONTRACTOR TO SALVAGE EXISTING UNDERDRAIN CLEANOUT AND REINSTALL.
- 4 CONTRACTOR TO VERIFY INTEGRITY OF EXISTING 4" UNDERDRAIN (EAST OF THIS LOCATION) AND PROTECT AND/OR REPLACE AS NECESSARY. CONTRACTOR TO INSTALL NEW 4" UNDERDRAIN TO THE SOUTH.
- 5 CONTRACTOR TO EXTEND WATER LATERALS TO 5' OFF 1ST STORY BUILDING WALL VS. 2ND STORY OVERHANG.
- 6 AFTER INSTALLATION OF 6" WATER SERVICE AND UPON AUTHORIZATION FROM THE OWNER, CONTRACTOR TO CUT AND CAP EXISTING WATER SERVICE AT MAIN, REMOVE 3 LF OF SERVICE SOUTH OF MAIN AND ABANDON REMAINING SERVICE IN PLACE.




**CAUTION**  
GAS / COMMUNICATIONS

**PROPOSED BUILDING**  
(F/F/F = 629.11)

**DIGGERS HOTLINE**  
Call 811 or (800) 242-8511  
www.DiggersHotline.com

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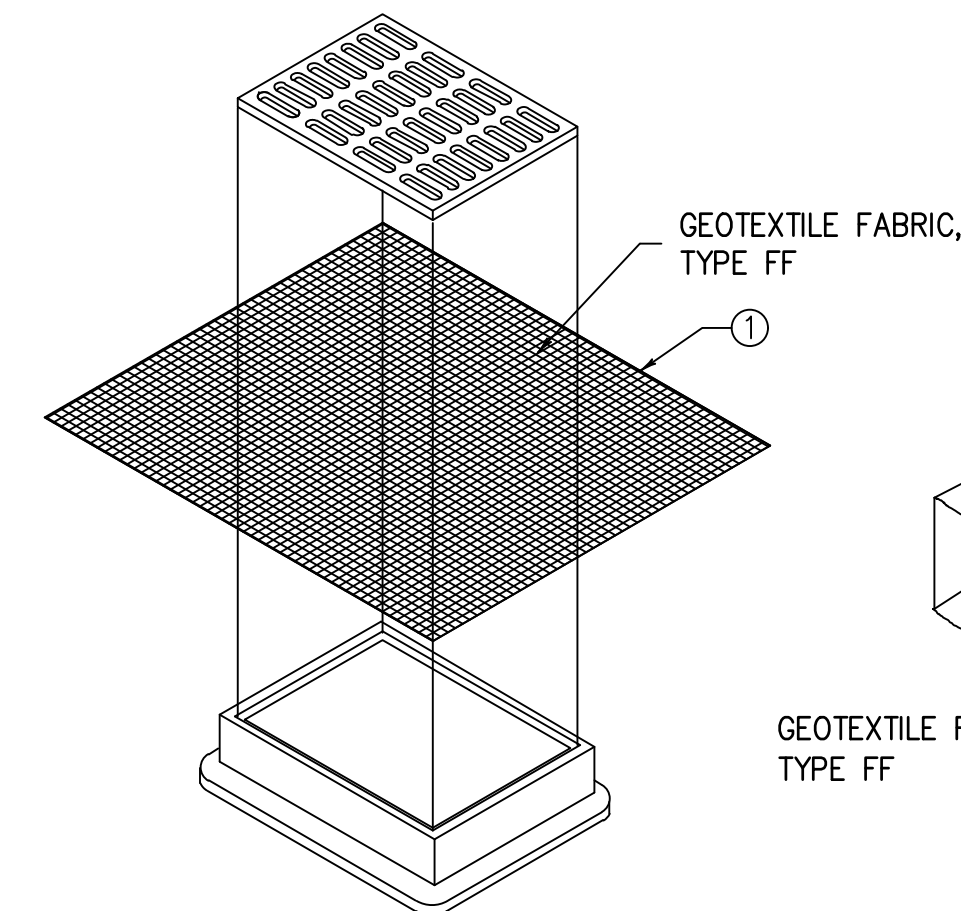
**PER ORDINANCE:**  
**LINCOLN BUILDING EXPANSION - REMODEL**  
**GTC RACINE CAMPUS**  
**EROSION CONTROL, PAVEMENT GRADING & UTILITY PLAN**  
  
**Nielsen Madsen + Barber**  
 CIVIL ENGINEERS AND LAND SURVEYORS  
 1458 Horizon Blvd, Suite 200, Racine, WI, 53406  
 Tel: (262)634-5588 Website: www.nmbssc.net  
 PROJECT NO: 2008015541  
 DRAWN BY: JEG  
 CHECKED BY: MDE  
 DATE: 10.15.2010  
 SHEET NO: C3



**INSTALLATION NOTES**

TYPE B & C  
TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE.

THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.



**INLET PROTECTION, TYPE B (WITHOUT CURB BOX)**

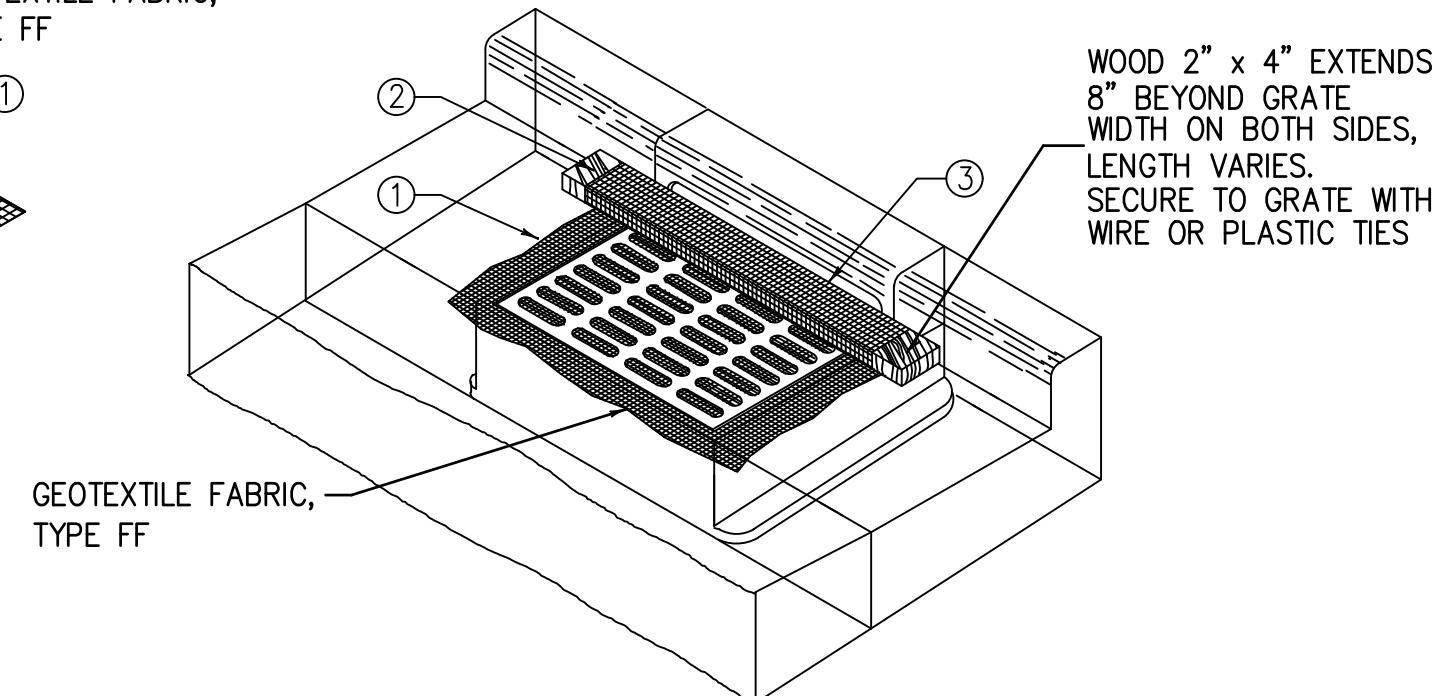
(CAN BE INSTALLED IN ANY INLET WITHOUT A CURB BOX)

**1 TYPICAL STORMWATER INLET PROTECTION DETAIL**  
NOT TO SCALE

**GENERAL NOTES**

MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE W. DOT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

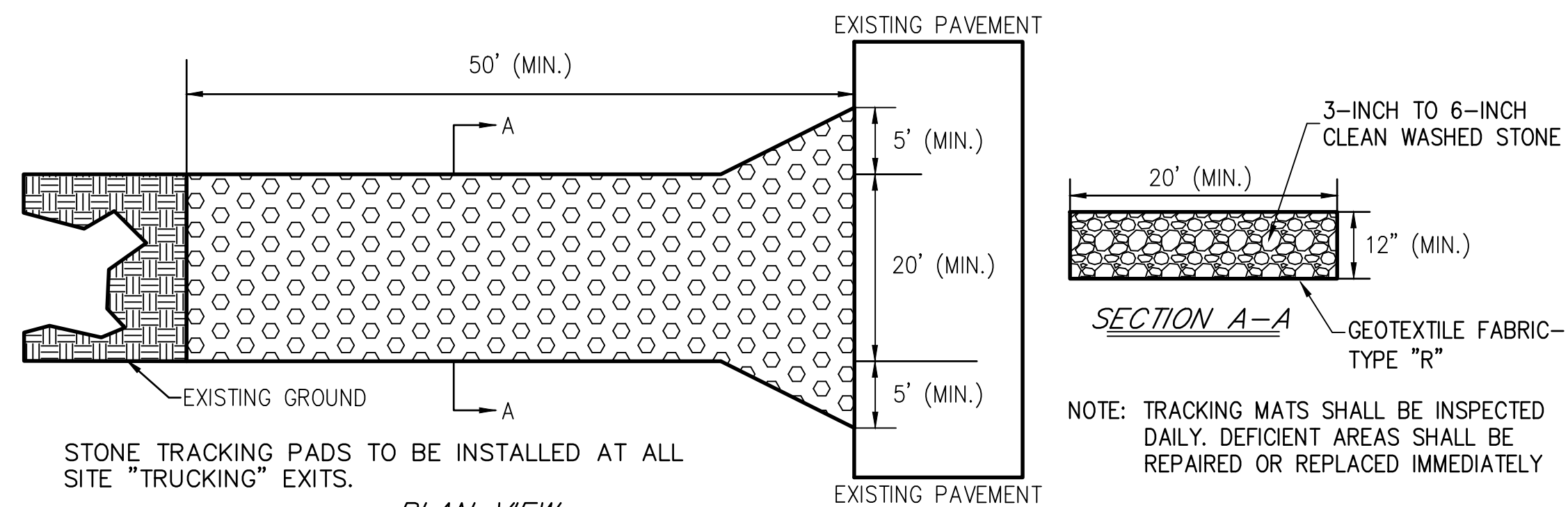
- ① FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- ② FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES.
- ③ THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.



**INLET PROTECTION, TYPE C (WITH CURB BOX)**

(CAN BE INSTALLED IN ANY INLET WITH A CURB BOX)

**2 TRACKING PAD DETAIL**  
NOT TO SCALE

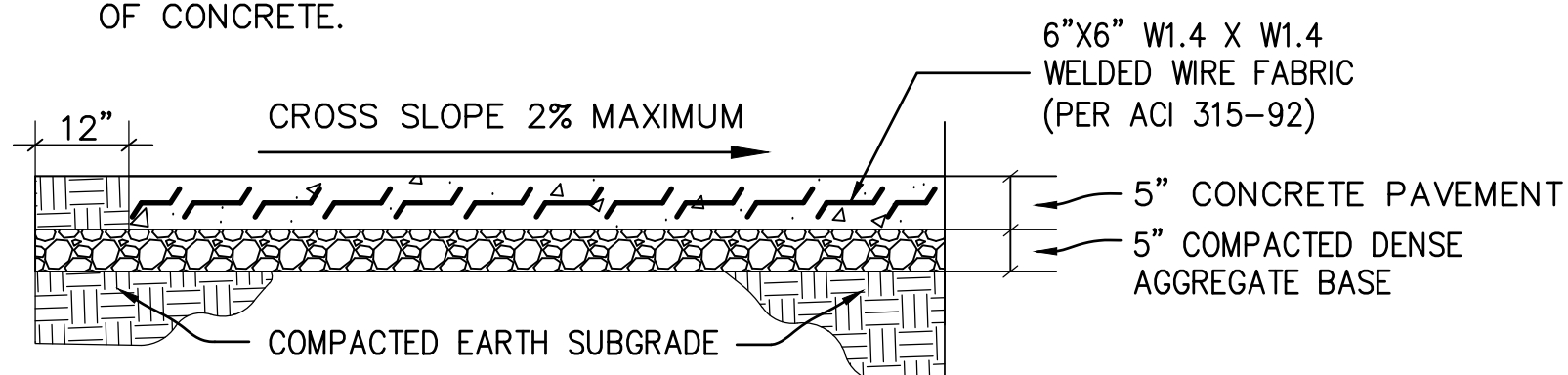


PLAN VIEW

**2 TRACKING PAD DETAIL**  
NOT TO SCALE

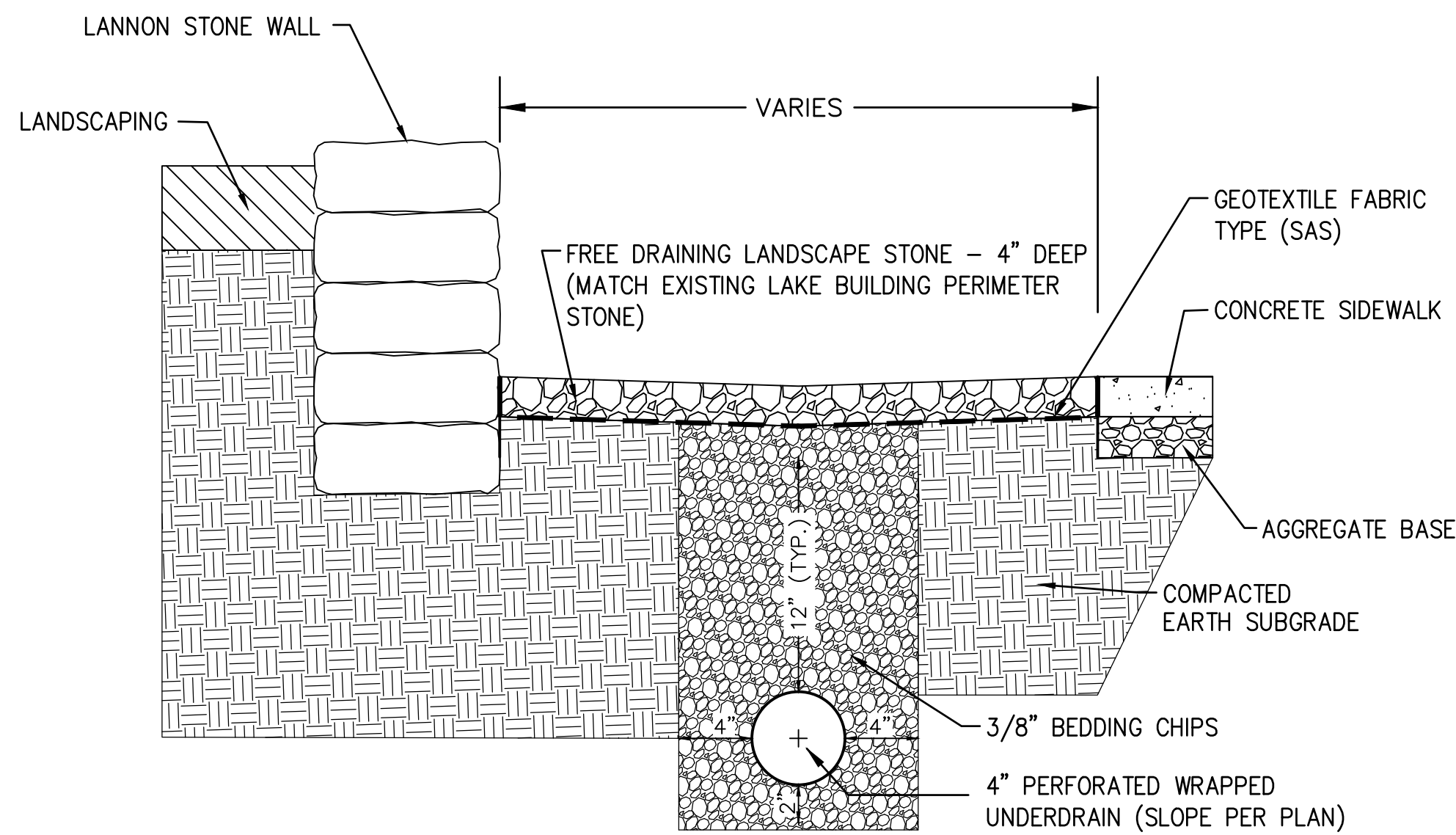
**10" PAVEMENT SECTION (TYPICAL)**

- 5" CONCRETE PAVEMENT (PER SECTION 415 OF THE "STATE SPECIFICATIONS")
  - \* ALL CONCRETE SHALL BE GRADE A-FA, AIR-ENTRAINED, 6-BAG MIX WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3,500 PSI.
- 5" COMPACTED DENSE AGGREGATE BASE
  - \* 1 1/4" GRADATION (PER SECTION 305.2.2.1 OF THE "STATE SPECIFICATIONS")
  - \* BASE COURSE SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND THE EDGE OF CONCRETE.

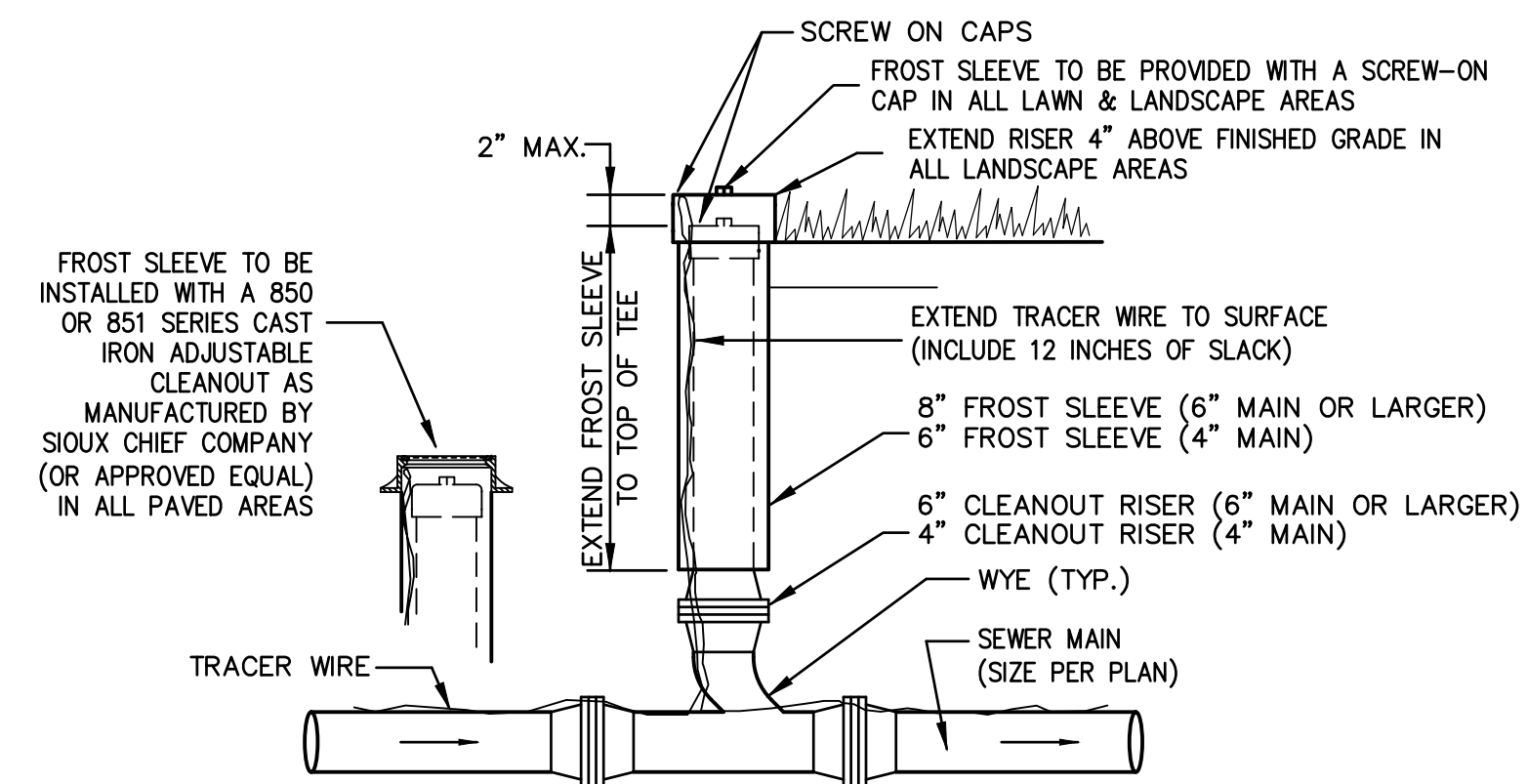


**3 LIGHT DUTY CONCRETE PAVEMENT (TYPICAL SECTION)**

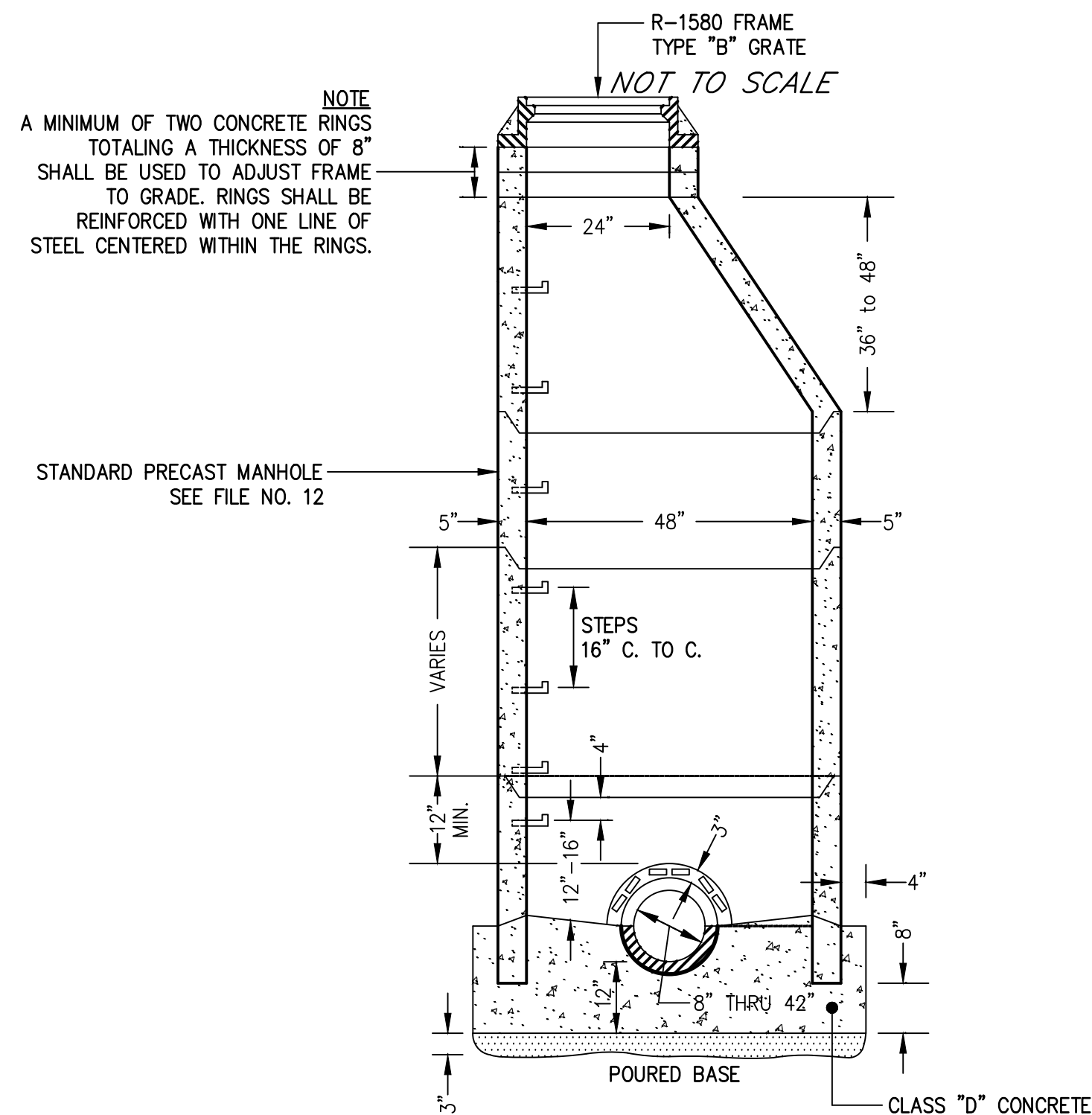
NOT TO SCALE



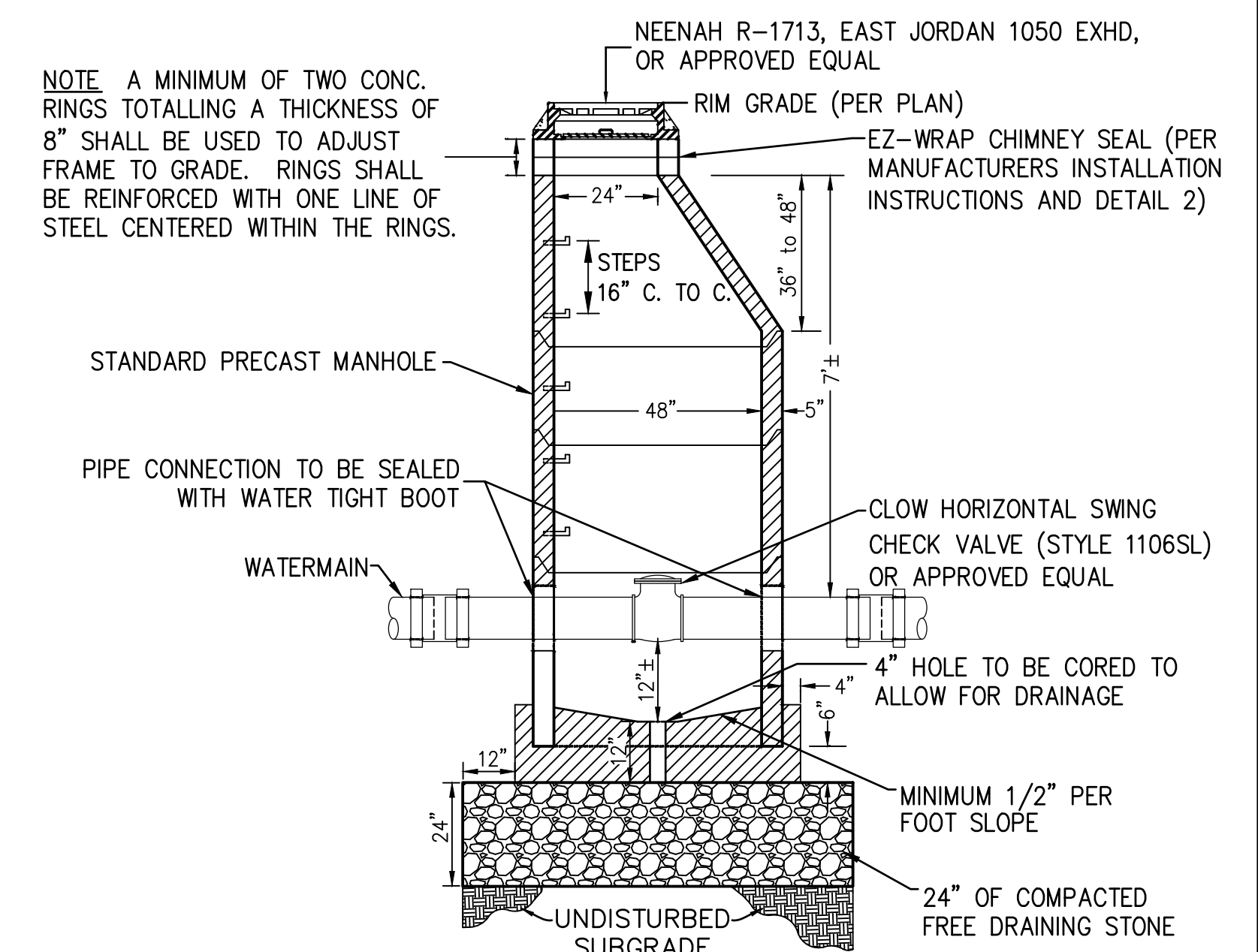
**4 4" WRAPPED UNDERDRAIN DETAIL**  
NOT TO SCALE



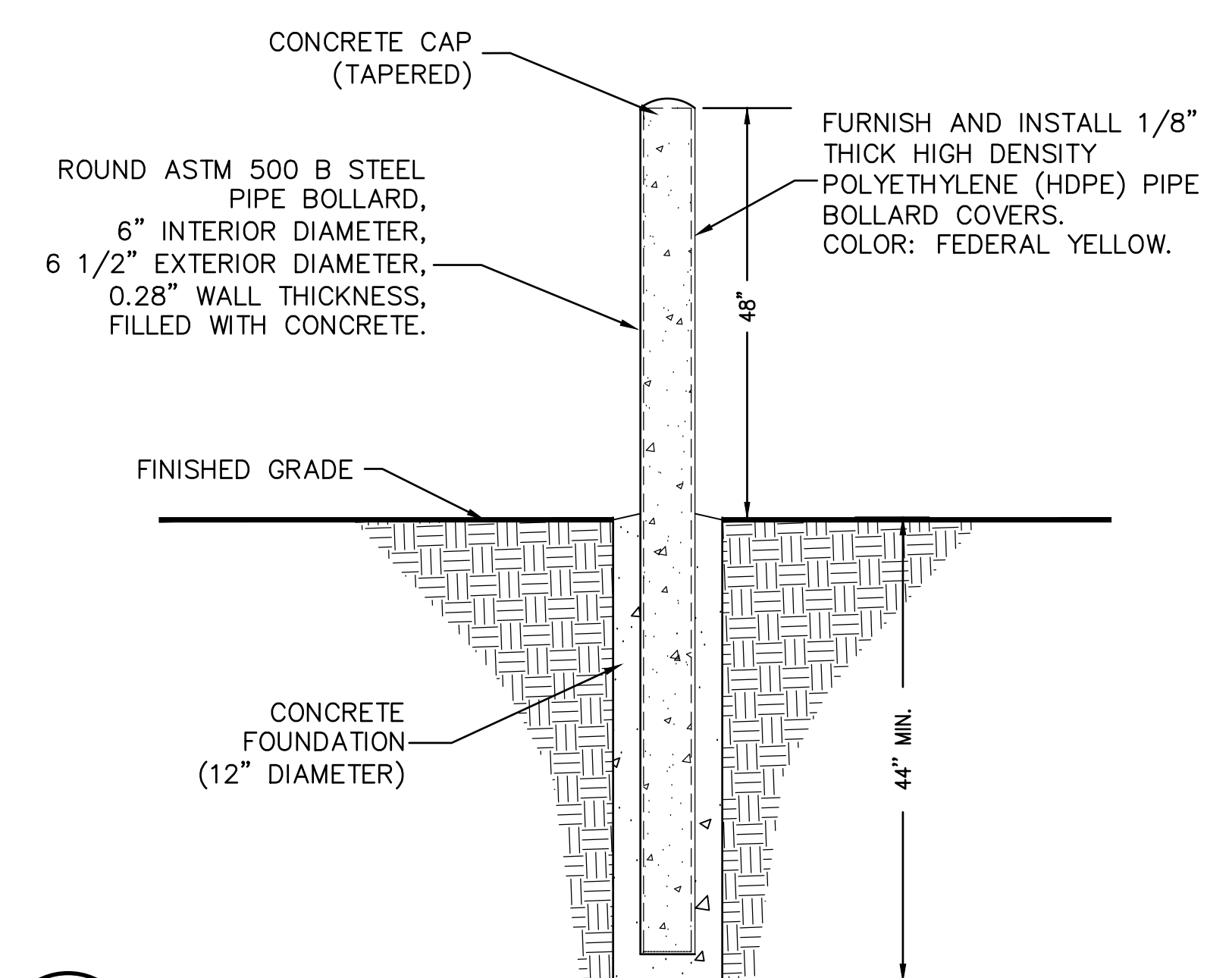
**5 SEWER CLEANOUT RISER DETAIL**



**6 SANITARY SEWER PRECAST MANHOLE DETAIL**  
NOT TO SCALE

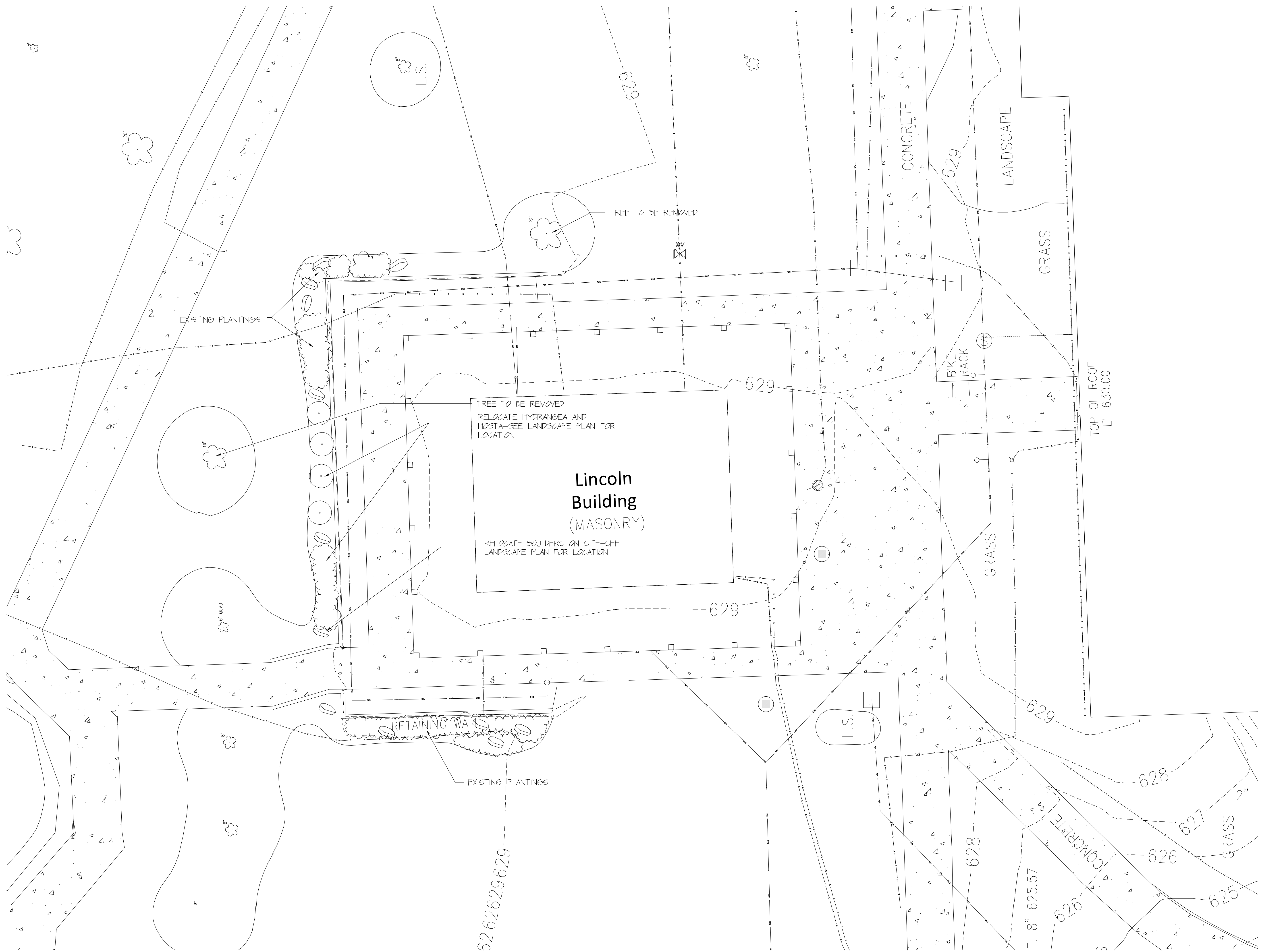


**7 48" WATERMAIN CHECK VALVE/VAULT DETAIL**  
NOT TO SCALE



**8 6" STEEL PIPE BOLLARD DETAIL**  
NOT TO SCALE





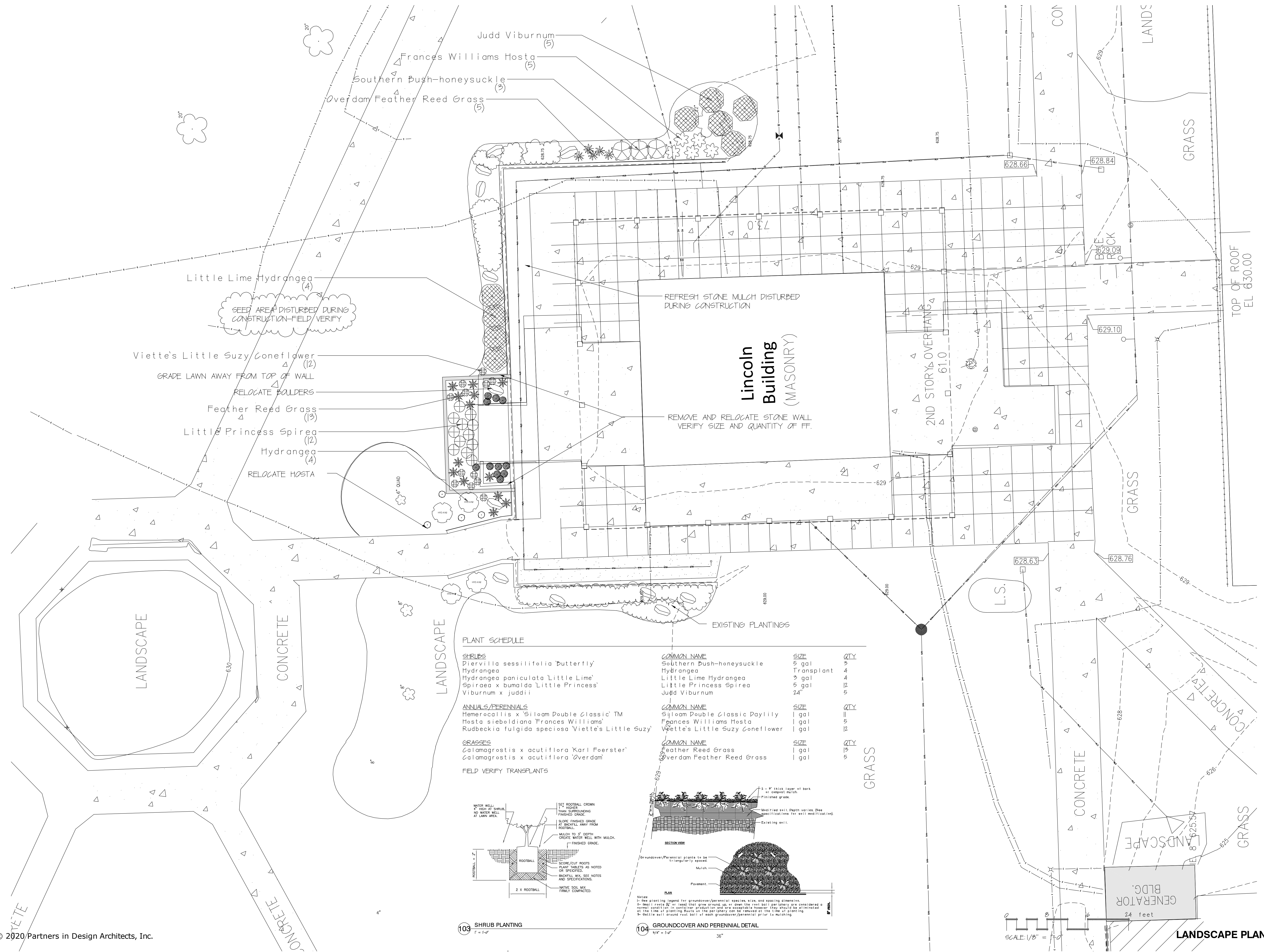
REVISIONS:


LINCOLN BUILDING EXPANSION — REMODEL  
 GTC RACINE CAMPUS  
**EXISTING LANDSCAPE CONDITIONS**

600 Fifty-Second Street  
 Suite 220  
 Kenosha, Wisconsin 53140  
 Ph.: (262) 552-2800

PROJECT NO:	191.20.059
DRAWN BY:	XXX
CHECKED BY:	JEB
DATE:	10.15.20
SHEET NO.:	

**L1.0**



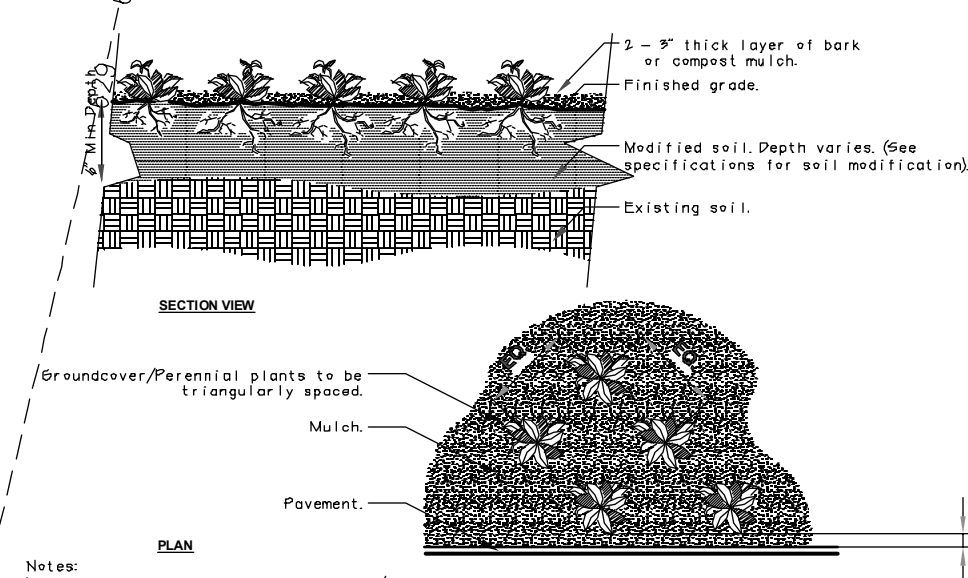
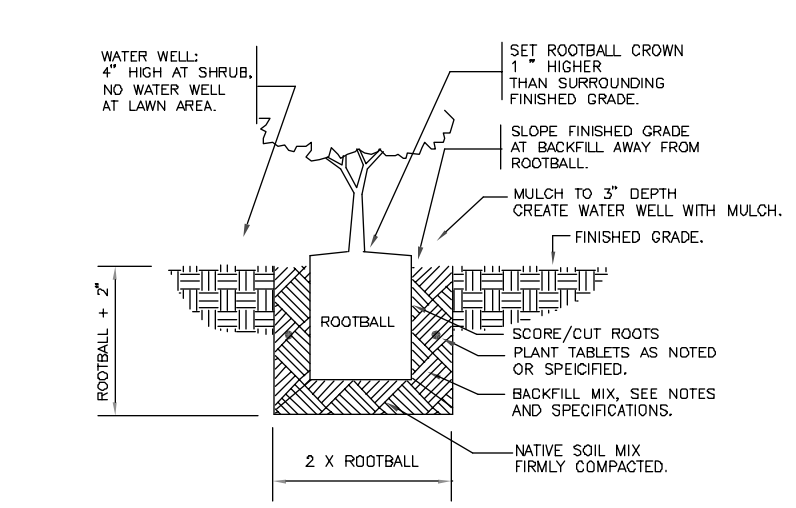
SEED AREA DISTURBED DURING CONSTRUCTION-FIELD VERIFY

REFRESH STONE MULCH DISTURBED DURING CONSTRUCTION

REMOVE AND RELOCATE STONE WALL VERIFY SIZE AND QUANTITY OF FF.

**PLANT SCHEDULE**

COMMON NAME	SIZE	QTY
<b>SHRUBS</b>		
Pieris sasanqua 'Butterfly'	5 gal	3
Hydrangea	Transplant	4
Hydrangea paniculata 'Little Lime'	3 gal	4
Spiraea x bumalda 'Little Princess'	5 gal	12
Viburnum x juddii	24"	5
<b>ANNUALS/PERENNIALS</b>		
Hemerocallis x 'Siloam Double Classic' TM	1 gal	11
Hosta sieboldiana 'Frances Williams'	1 gal	5
Rudbeckia fulgida speciosa 'Viette's Little Suzy'	1 gal	12
<b>GRASSES</b>		
Calamagrostis x acutiflora 'Karl Foerster'	1 gal	5
Calamagrostis x acutiflora 'Overdam'	1 gal	5
FIELD VERIFY TRANSPLANTS		
<b>COMMON NAME</b>		
<b>SIZE</b>		
<b>QTY</b>		
<b>COMMON NAME</b>		
<b>SIZE</b>		
<b>QTY</b>		



103 SHRUB PLANTING 1/4" = 1'-0"

104 GROUNDCOVER AND PERENNIAL DETAIL 3/4" = 1'-0"

REVISIONS

PROJECT NO: 191.20.059

DRAWN BY: XXXX CHECKED BY: JEB

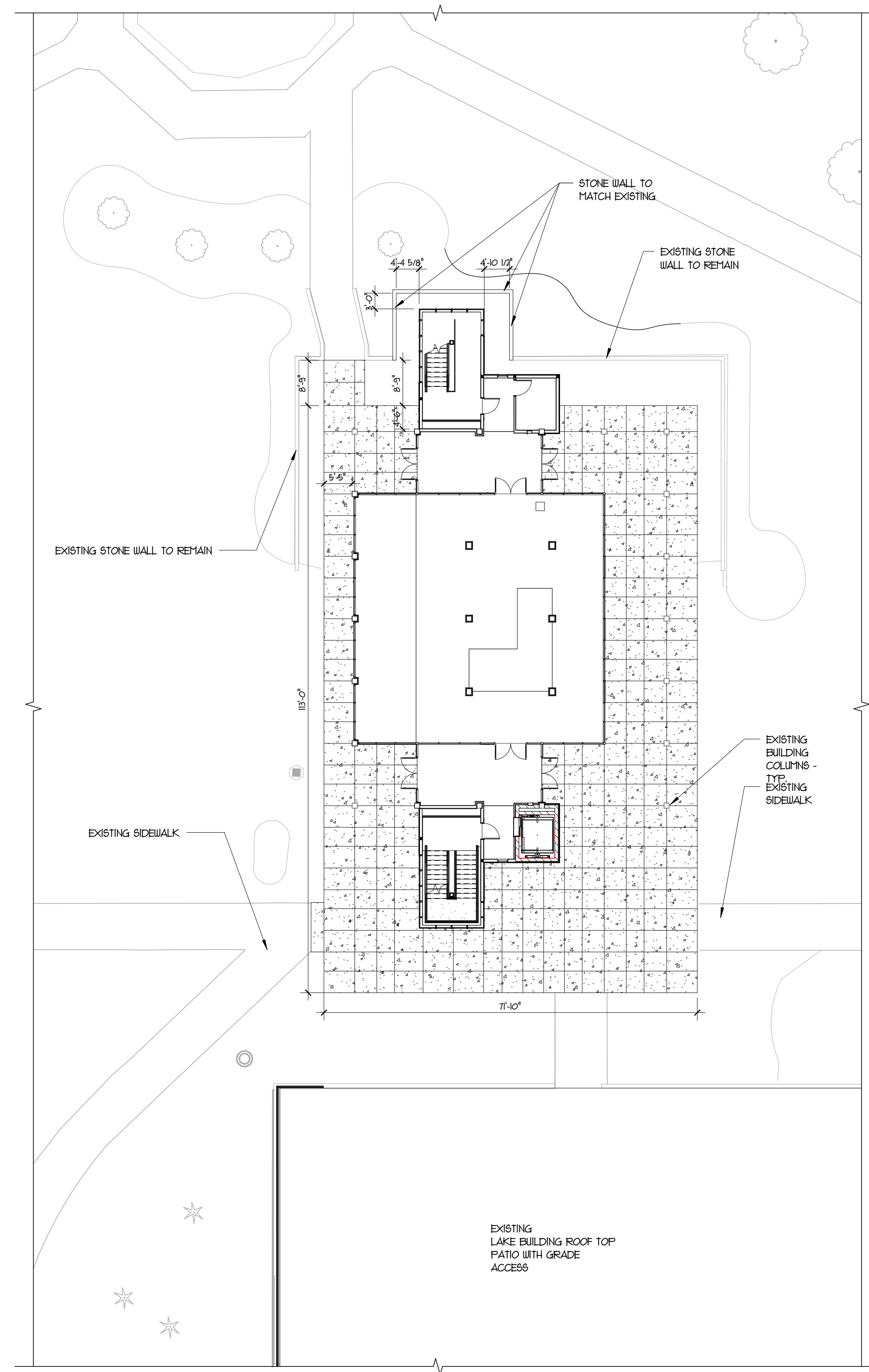
DATE: 10.15.20

SHEET NO: L 2.0

600 Fifty-Second Street  
Suite 220  
Kenosha, Wisconsin 53140  
Ph: (262)652-2800

LINCOLN BUILDING EXPANSION — REMODEL  
GTC RACINE CAMPUS  
LANDSCAPE PLAN





**1** CAMPUS PLAN  
 ALL 1" = 100'-0"

SHADE AREA = 571,873 SF  
 13.1 ACRES



ZONING ANALYSIS TABLE:

TOTAL PROPERTY AREA:	13.13 ACRES	571,873 S.F.
TOTAL BUILDING AREA:		
LINCOLN BUILDING	3 STORIES	3,831 S.F. FOOTPRINT
LAKE BUILDING	3	35,266
TECH BUILDING	5	30,187
RACINE BUILDING	3	28,090
		98,274
PARKING LOT AREA:		
PARKING LOT 'A'	2 HDCP SPACES	36 PARKING SPACES
PARKING LOT 'B'	7	51
PARKING LOT 'C'	17	435
PARKING LOT 'D'	3	90
LAKE-TECH DEL. DOCK		
TOTAL	29	612
		10,808

\* PARKING LOTS C AND D ARE NOT WITH IN THE PROPERTY'S BOUNDARY, BUT ARE MAINTAINED AND MANAGED BY GATEWAY TECHNICAL COLLEGE.

FLOOR AREA RATIO: (TOTAL BLDG S.F. / TOTAL PROPERTY AREA)  
 257,341 S.F. / 571,873 S.F. = .45

LOT COVERAGE: (TOTAL BLDG S.F. FOOTPRINT / TOTAL PROPERTY AREA)  
 98,274 S.F. / 571,873 S.F. = .17

GREEN SPACE PERCENTAGE:  
 ((TOTAL BLDG S.F. FOOTPRINT + HARD SURFACE S.F. + SIDEWALK S.F. / TOTAL PROPERTY AREA)  
 (98,274 + 10,808 + 88,988) / 571,873 S.F. =  
 (258,090 S.F.) / 571,873 S.F. = .45

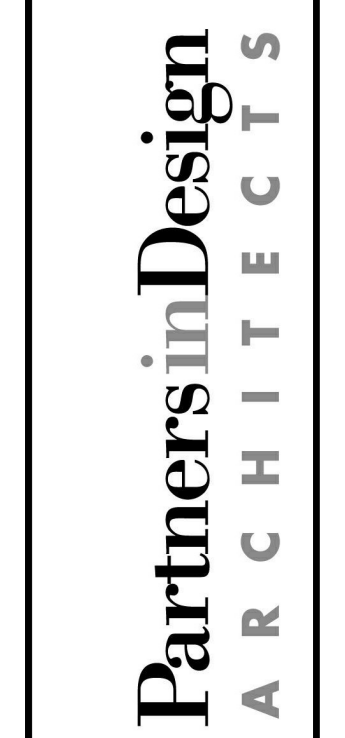
**2** SITE PLAN  
 ALL 1/16" = 1'-0"



REVISIONS

LINCOLN BUILDING EXPANSION - REMODEL  
 GTC RACINE CAMPUS  
 SITE PLAN

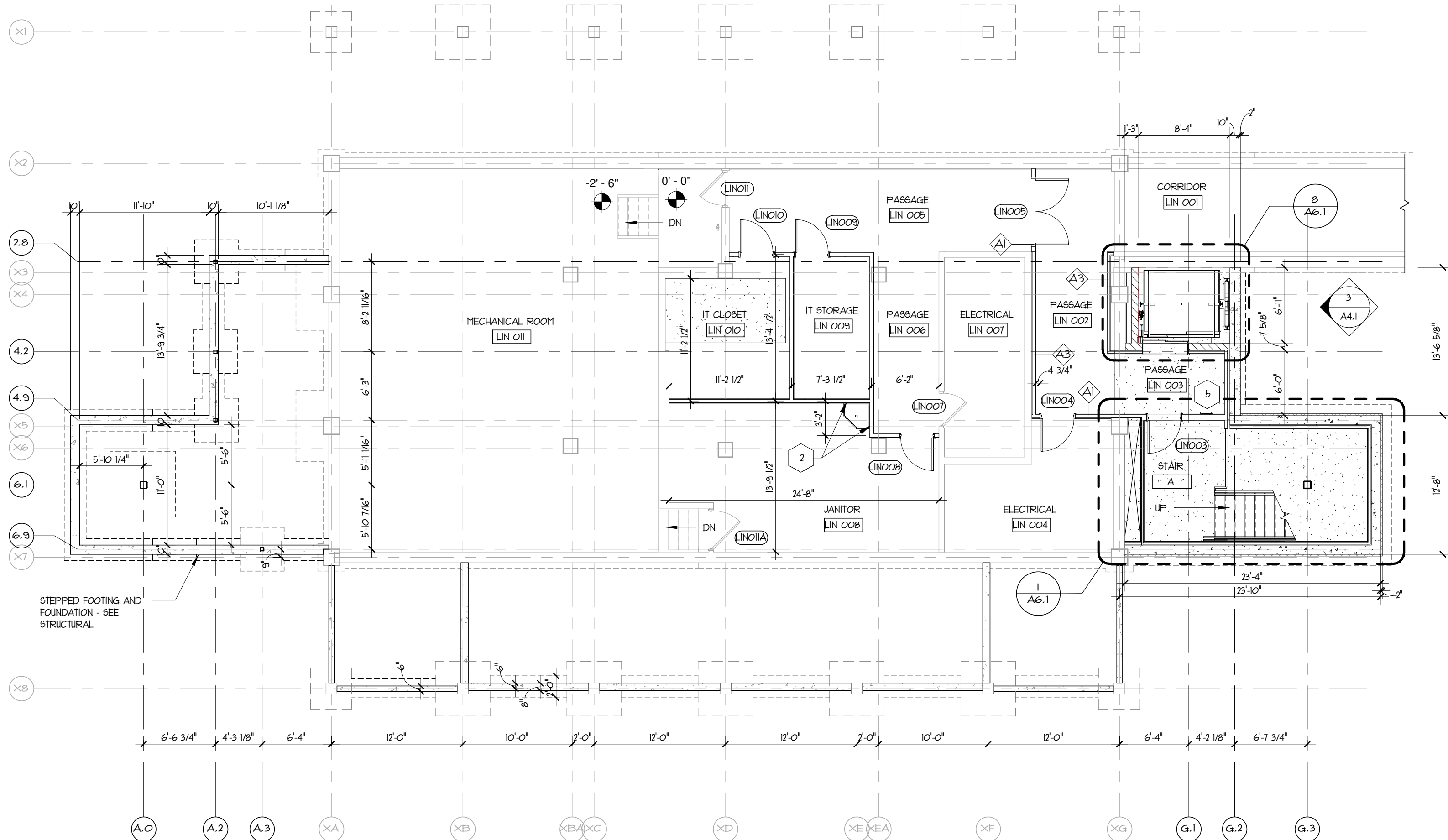
600 First-Second Street  
 Suite 220  
 Kenosha, Wisconsin 53140  
 Ph.: (262)652-2800



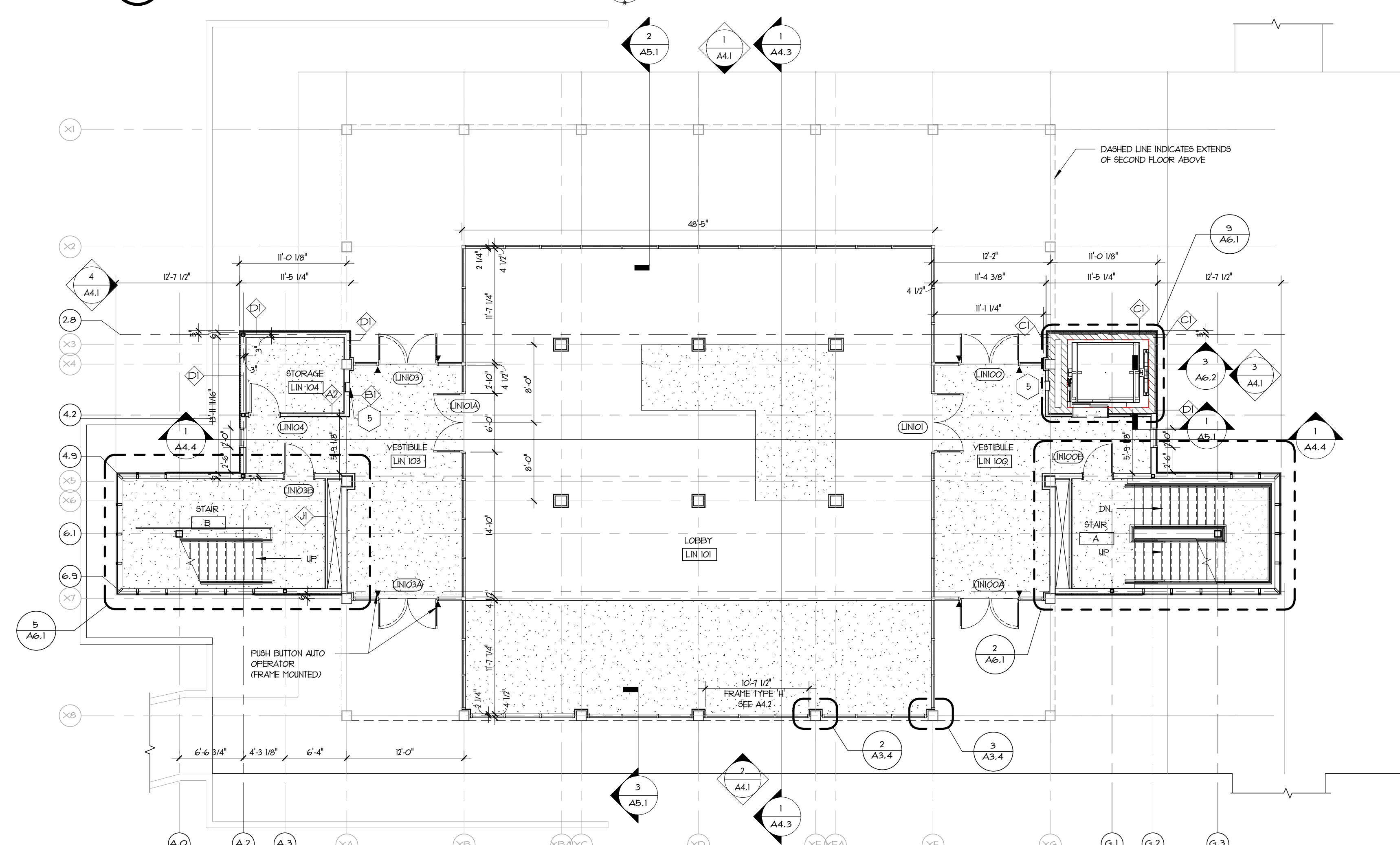
PROJECT NO.: 191.20.059  
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 CHECKED BY: JEB  
 DATE: 10.15.20  
 SHEET NO.:

A1.1





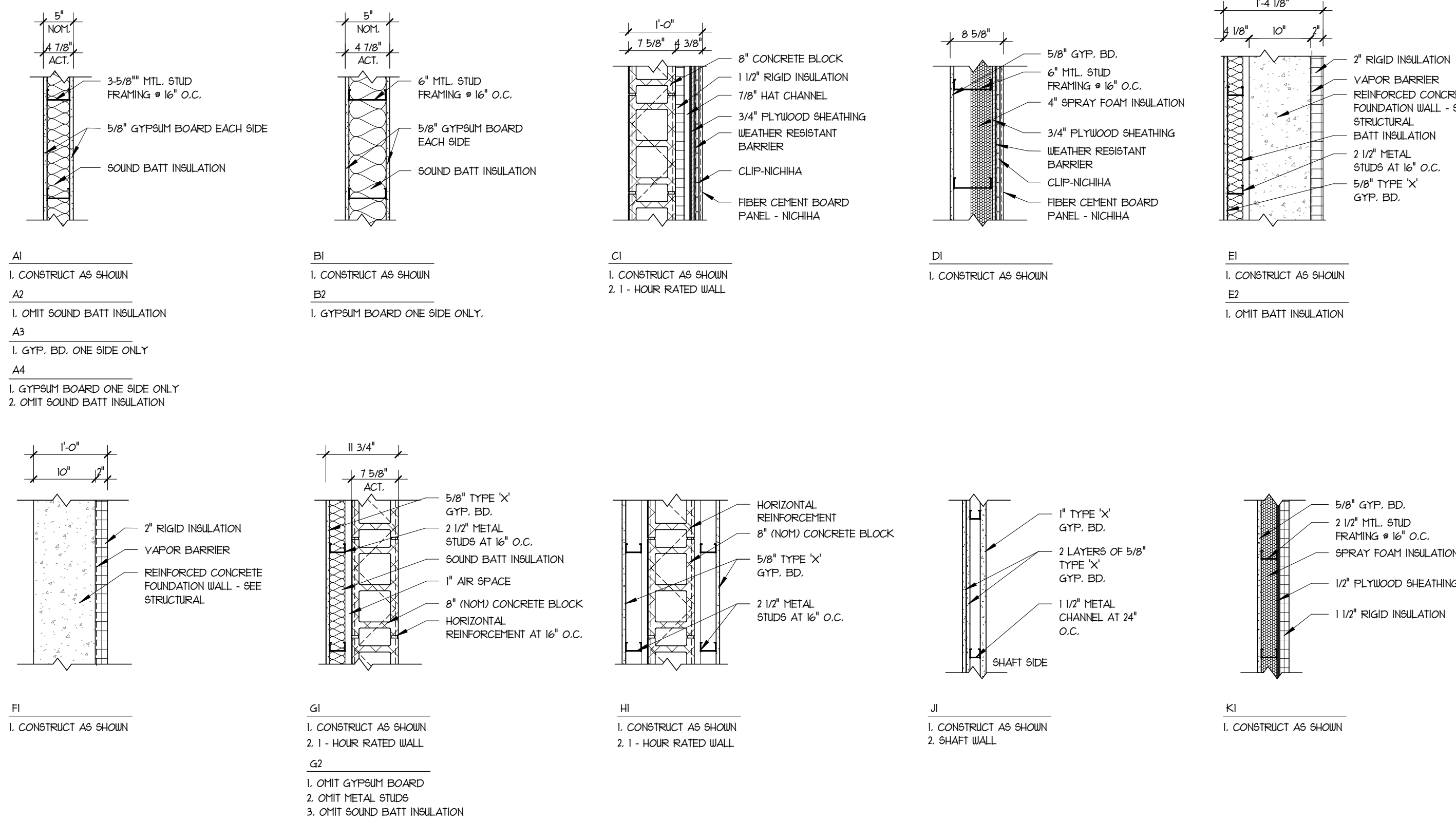
1 BASEMENT FLOOR PLAN  
A3.1 1/8" = 1'-0"



2 FIRST FLOOR PLAN  
A3.1 1/8" = 1'-0"

WALL TYPES

1. ALL WALLS TO BE TYPE 'A' UNLESS NOTED OTHERWISE.



BASEMENT ROOM FINISH SCHEDULE

ROOM NAME	NO.	FLOOR	BASE	WALLS				CEILING		PAINT		REMARKS
				NORTH	EAST	SOUTH	WEST	MAT'L	HT.	WALLS	CLG	
STAIR	A	RUBBER	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	OPEN HTL	VARIABLES	YES	YES	NOTE 1, 2, 3
CORRIDOR	LIN 001	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	NO	NO	NOTE 3
PASSAGE	LIN 002	SALV. CPT	RUBBER	EXIST. GYP. BD.	GYP. BD./ OPEN	GYP. BD.	GYP. BD.	SAT - 1	9'-0"	YES	NO	NOTE 1, 2, 3
PASSAGE	LIN 003	SALV. CPT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	9'-0"	YES	NO	NOTE 1, 2, 3
ELECTRICAL	LIN 004	EXIST.	RUBBER	EXIST./ GYP. BD.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	YES	NO	NOTE 1, 4, 5, 6
PASSAGE	LIN 005	EXIST.	RUBBER	EXIST.	GYP. BD.	GYP. BD./ OPEN/ EXIST.	EXIST.	SAT - 1	9'-0"	YES	NO	NOTE 1, 4, 5, 6
PASSAGE	LIN 006	EXIST.	RUBBER	OPEN	EXIST.	GYP. BD.	GYP. BD.	SAT - 1	9'-0"	YES	NO	NOTE 1, 4, 5, 6
ELECTRICAL	LIN 007	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	NO	NO	
JANITOR	LIN 008	EXIST./ CONC.	RUBBER	GYP. BD.	EXIST.	EXIST.	EXIST.	EXIST.	EXIST.	YES	NO	NOTE 1, 4, 6
IT STORAGE	LIN 009	EXIST.	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	EXIST.	YES	NO	NOTE 1, 4, 6
IT CLOSET	LIN 010	EXIST./ CONC.	RUBBER	PLYWOOD / GYP. BD.	PLYWOOD / GYP. BD.	PLYWOOD / GYP. BD.	PLYWOOD / GYP. BD.	EXIST.	EXIST.	YES	YES	NOTE 1, 2, 3, 4, 7

1ST FLOOR ROOM FINISH SCHEDULE

ROOM NAME	NO.	FLOOR	BASE	WALLS				CEILING		PAINT		REMARKS
				NORTH	EAST	SOUTH	WEST	MAT'L	HT.	WALLS	CLG	
STAIR	A	RUBBER	RUBBER	GYP. BD./ GLAZING	GLAZING	GYP. BD./ GLAZING	GYP. BD.	OPEN HTL	VARIABLES	YES	YES	NOTE 1, 2, 3
STAIR	B	RUBBER	RUBBER	GYP. BD./ GLAZING	GYP. BD.	GYP. BD./ GLAZING	VARIABLES	YES	YES	YES	NOTE 1, 2, 3	
VESTIBULE	LIN 100	CPT	RUBBER	GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	GLAZING	SAT - 1/ OPEN	VARIABLES	YES	YES	NOTE 1, 2, 3, 5, 9, 10
LOBBY	LIN 101	CPT	RUBBER	GLAZING	GLAZING	GLAZING	GLAZING	SAT - 1/ SAT 2	VARIABLES	NO	NO	NOTE 1, 2, 8
VESTIBULE	LIN 103	CPT	RUBBER	GYP. BD./ GLAZING	GLAZING	GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	SAT - 1/ OPEN	VARIABLES	YES	YES	NOTE 1, 2, 3, 5, 9, 10
STORAGE	LIN 104	CPT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	9'-0"	YES	NO	NOTE 1, 2, 3

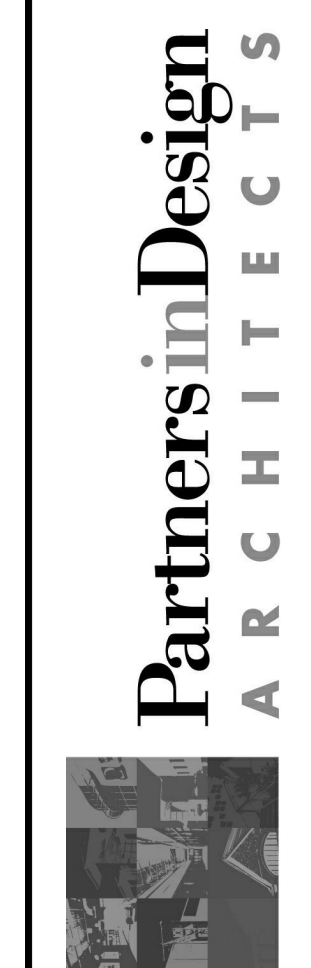
- ROOM FINISH SCHEDULE NOTES:
- SEE SHEET A3.3 FOR DOOR SCHEDULE, DOOR AND FRAME TYPES, AND HARDWARE SETS.
  - SEE SHEETS A3.5 AND A3.6 FOR FINISH MATERIAL SCHEDULES, SELECTIONS AND LIGHTS.
  - RUBBER BASE TO BE INSTALLED AT WALL LOCATIONS. DO NOT INSTALL RUBBER BASE ON DOOR AND WINDOW FRAMING.
  - EXISTING CONCRETE FLOOR TO BE PREP AND REPAIRED AS NECESSARY TO HAVE SMOOTH FINISH. CLEAN AND APPLY NEW DUST PROOFING.
  - PAINT NEW GYPSUM BOARD WALLS ONLY.
  - EXISTING CEILING THIS ROOM IS EXPOSED STRUCTURE.
  - PROVIDE FIRE RATED PLYWOOD FROM FLOOR TO 8'-0" A.F.F.
  - NO WORK IN THIS ROOM.
  - CEILING CLOUD TO BE MOUNTED AT 9'-0" A.F.F.
  - PREPARE CEILING SURFACE FOR NEW PAINT FINISH. ALL SYSTEMS INCLUDING MECHANICAL, PLUMBING, AND ELECTRICAL ARE TO BE PLACED PRIOR TO PAINTING.
  - EXPOSED STRUCTURE PAINT TO BE DRYWALL.
  - RUBBER BASE TO BE INSTALLED AT MILLWORK ONLY.
  - CEILING CLOUD TO BE MOUNTED AT 8'-6" AFF.
  - PAINT GYPSUM BOARD SOFFIT FASCIAS HEADERS.
  - PROVIDE ROLLER SHADES AT EXTERIOR WINDOWS. SHADES TO HAVE 3% OPENNESS.
  - PROVIDE DUAL ROLLER SHADES AT EXTERIOR SHADE. ONE TO BE A BLACKOUT AND SHADE TWO TO HAVE 3% OPENNESS.

KEY NOTES

- MILLWORK BASE CABINET WITH FULLY RETRACTABLE/ MOTORIZED DIGITAL DISPLAY CABINET TO HOUSE AV CONTROLS AND IS LOCKABLE.
- PROVIDE 4X4 FRP AND TRIM AT MOP BASIN EACH WAY.
- SHIP LADDER.
- WHITE BOARD LOCATION - OWNER PROVIDED, CONTRACTOR INSTALLED. PROVIDE BLOCKING AS NECESSARY.
- NEW FIRE EXTINGUISHER CABINET LOCATION.

LINCOLN BUILDING EXPANSION - REMODEL  
 GTC RACINE CAMPUS  
 FLOOR PLANS AND DETAILS

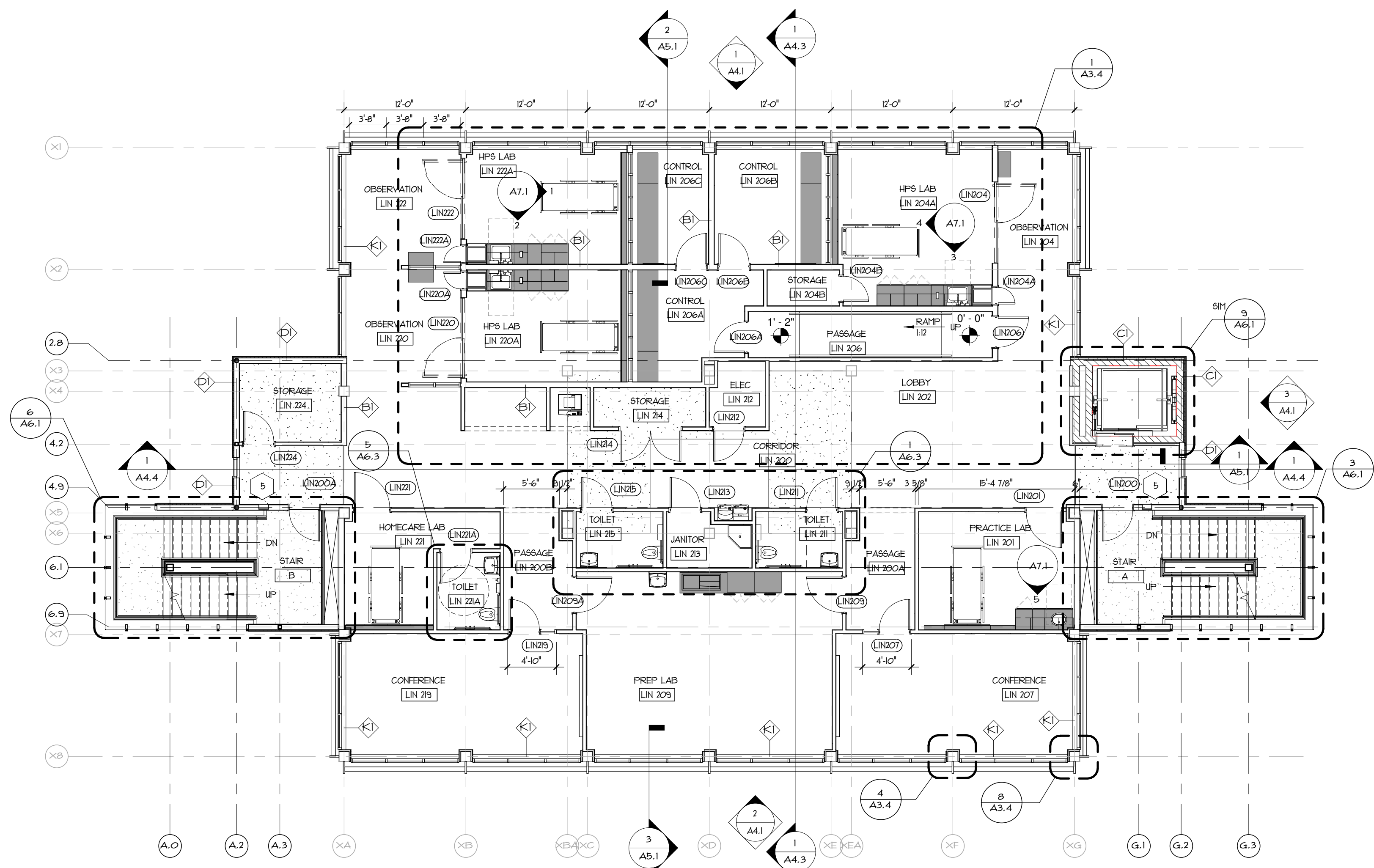
600 Fry-Second Street  
 Suite 220  
 Kenosha, Wisconsin 53140  
 Ph.: (262)652-2800



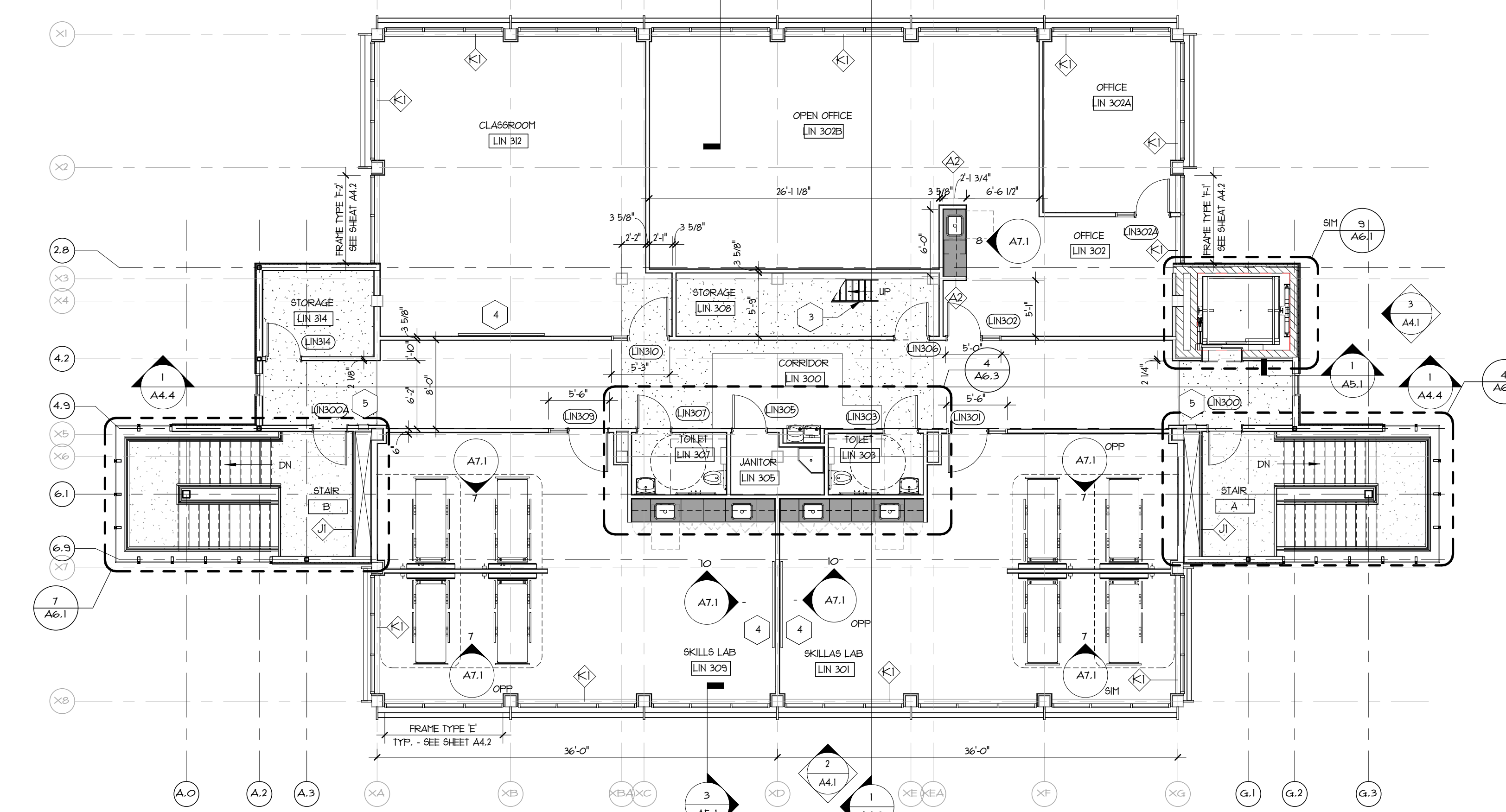
PROJECT NO.: 191.20.059  
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A3.1



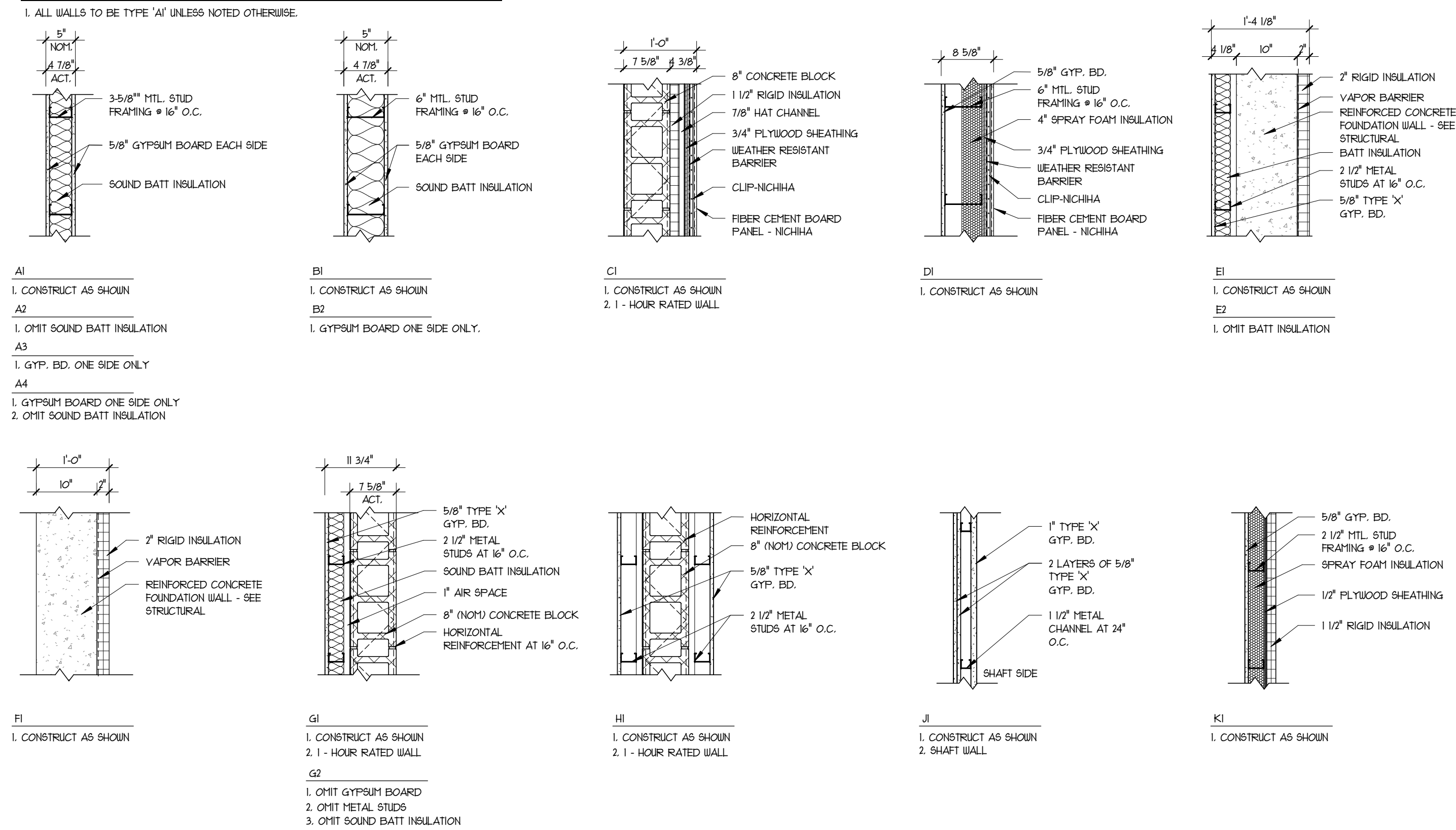


**1 SECOND FLOOR PLAN**  
A3.2 1/8" = 1'-0"



**2 THIRD FLOOR PLAN**  
A3.2 1/8" = 1'-0"

**WALL TYPES**



**2ND FLOOR ROOM FINISH SCHEDULE**

ROOM NAME	NO.	FLOOR	BASE	WALLS				CEILING		PAINT			REMARKS
				NORTH	EAST	SOUTH	WEST	MAT'L	HT.	WALLS	CLG	WALLS	
STAIR	A	RUBBER	RUBBER	GYP. BD./ GLAZING	GLAZING	GLAZING/ GYP. BD.	GYP. BD.	GYP. BD.	HT. DK	VARIES	YES	YES	NOTES 1, 2, 3, 10
STAIR	B	RUBBER	RUBBER	GYP. BD./ GLAZING	GYP. BD.	GLAZING/ GYP. BD.	GLAZING	HT. DK	VARIES	YES	YES	YES	NOTES 1, 2, 3, 10
CORRIDOR	LN 200	LVP	RUBBER	OPEN GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	GYP. BD./ OPEN	GYP. BD.	HT. DK/ SAT - 1	VARIES	YES	YES	YES	NOTES 1, 2, 3, 10, 12
PASSAGE	LN 200B	LVP	RUBBER	OPEN GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	8'-0"	YES	NO	NO	NOTES 1, 2, 3, 10
PRACTICE LAB	LN 201	LVP	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	9'-0"	YES	NO	NO	NOTES 1, 2, 3
OBSERVATION	LN 204	LVP	RUBBER	GLAZING	GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	SAT - V EXPOSED DK	VARIES	YES	NO	NO	NOTES 1, 2, 3, 5, 10, 12
HPS LAB	LN 204A	LVP	RUBBER	GLAZING	GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	GLAZING/ GYP. BD./ MILLWORK	SAT - V OPEN	9'-0"	NO	YES	NO	NOTES 1, 2, 3, 5, 10, 14
STORAGE	LN 204B	LVP	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	9'-0"	YES	NO	NO	NOTES 1, 2
PASSAGE	LN 206	CPT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	VARIES	YES	NO	NO	NOTES 1, 2
CONTROL	LN 206A	CPT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	8'-0"	YES	NO	NO	NOTES 1, 2
CONTROL	LN 206B	CPT	RUBBER	GLAZING	GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	GYP. BD.	SAT - V OPEN	8'-0"	YES	YES	YES	NOTES 1, 2, 3, 5, 10, 15
CONTROL	LN 206C	CPT	RUBBER	GLAZING	GYP. BD.	GYP. BD.	GYP. BD.	SAT - V OPEN	8'-0"	YES	YES	YES	NOTES 1, 2, 3, 5, 10, 15
CONFERENCE	LN 207	CPT	RUBBER	GYP. BD.	GLAZING	GLAZING	GYP. BD.	SAT - V OPEN	9'-0"	YES	YES	YES	NOTES 1, 2, 3, 5, 10, 14
PREP LAB	LN 209	CPT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - V OPEN	9'-0"	YES	YES	YES	NOTES 1, 2, 3, 5, 10, 14
TOILET	LN 211	C.T.	C.T.	GYP. BD.	GYP. BD.	GYP. BD.	C.T./ GYP. BD.	SAT - 3	8'-4"	YES	NO	NO	NOTES 1, 2, 3, 5
ELEC	LN 212	CPT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	8'-6"	YES	NO	NO	NOTES 1, 2, 3, 16
JANITOR	LN 214	SEALED CONC.	RUBBER	GYP. BD./ FRP	GYP. BD./ FRP	GYP. BD./ FRP	GYP. BD.	EXPOSED STRUCTURE	EXIST.	YES	YES	YES	NOTES 1, 2
STORAGE	LN 214	LVP	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	9'-0"	YES	NO	NO	NOTES 1, 2
TOILET	LN 215	C.T.	C.T.	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	9'-0"	YES	NO	NO	NOTES 1, 2
CONFERENCE	LN 215	CPT	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 3	8'-4"	YES	NO	NO	NOTES 1, 2, 3, 5
OBSERVATION	LN 220	LVP	RUBBER	OPEN GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	OPEN GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	SAT - V EXPOSED DK	VARIES	YES	YES	YES	NOTES 1, 2, 3, 5, 10, 12
HPS LAB	LN 220A	LVP	RUBBER	GYP. BD.	GLAZING/ MILLWORK	GLAZING/ MILLWORK	GLAZING/ GYP. BD.	SAT - 1	9'-0"	YES	NO	NO	NOTES 1, 2, 3, 5
HOMECARE LAB	LN 221	LVP	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	MILLWORK/ GYP. BD.	SAT - 1	8'-0"	YES	NO	NO	NOTES 1, 2
TOILET	LN 222	C.T.	C.T.	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	8'-0"	YES	NO	NO	NOTES 1, 2
OBSERVATION	LN 222	LVP	RUBBER	GLAZING	GLAZING/ GYP. BD.	OPEN GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	SAT - V EXPOSED DK	VARIES	YES	YES	YES	NOTES 1, 2, 3, 5, 10, 12
HPS LAB	LN 224	LVP	EXIST.	GLAZING/ GYP. BD.	GLAZING/ MILLWORK/ GYP. BD.	GYP. BD.	GLAZING/ GYP. BD.	SAT - V EXPOSED DK	VARIES	YES	YES	YES	NOTES 1, 2, 3, 5, 10, 14
STORAGE	LN 224	LVP	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	8'-0"	YES	NO	NO	NOTES 1, 2

**3RD FLOOR ROOM FINISH SCHEDULE**

ROOM NAME	NO.	FLOOR	BASE	WALLS				CEILING		PAINT			REMARKS
				NORTH	EAST	SOUTH	WEST	MAT'L	HT.	WALLS	CLG	WALLS	
STAIR	A	RUBBER	RUBBER	GYP. BD./ GLAZING	GLAZING	GYP. BD./ GLAZING	GYP. BD.	HT. DK	VARIES	YES	YES	YES	NOTES 1, 2, 3, 10
STAIR	B	RUBBER	RUBBER	GYP. BD./ GLAZING	GYP. BD.	GLAZING/ GYP. BD.	GLAZING	HT. DK	VARIES	YES	YES	YES	NOTES 1, 2, 3, 10
CORRIDOR	LN 300	LVP	RUBBER	GYP. BD.	GLAZING/ GYP. BD.	GYP. BD./ OPEN	GYP. BD.	SAT - V EXPOSED DK	VARIES	YES	YES	YES	NOTES 1, 2, 3, 10, 12
SKILLS LAB	LN 301	LVP	EXIST.	GYP. BD.	GLAZING/ GYP. BD.	GLAZING/ GYP. BD.	GYP. BD.	SAT - V EXPOSED STRUC.	VARIES	YES	YES	YES	NOTES 1, 2, 3, 10, 12
OFFICE	LN 302	CPT	RUBBER	GYP. BD./ OPEN	GLAZING/ GYP. BD.	GYP. BD./ GLAZING	GYP. BD.	SAT - 1	9'-0"	YES	NO	NO	NOTES 1, 2
OFFICE	LN 302A	CPT	RUBBER	GLAZING/ GYP. BD.	GLAZING	GYP. BD.	GYP. BD.	SAT - V EXPOSED STRUC.	VARIES	YES	YES	YES	NOTES 1, 2, 3, 10, 12
OPEN OFFICE	LN 302B	LVP	RUBBER	GLAZING/ GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - V EXPOSED STRUC.	VARIES	YES	YES	YES	NOTES 1, 2, 3, 10, 12
TOILET	LN 303	C.T.	C.T.	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 3	8'-4"	YES	NO	NO	NOTES 1, 2
JANITOR	LN 305	SEALED CONC.	RUBBER	GYP. BD./ FRP	GYP. BD./ FRP	GYP. BD./ FRP	GYP. BD./ FRP	EXPOSED STRUCTURE	EXIST.	YES	YES	YES	NOTES 1, 2
TOILET	LN 307	C.T.	C.T.	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 3	8'-4"	YES	NO	NO	NOTES 1, 2
STORAGE	LN 308	LVP	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	EXPOSED STRUCTURE	EXIST.	YES	YES	YES	NOTES 1, 2
SKILLS LAB	LN 309	LVP	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GLAZING/ GYP. BD.	SAT - V EXPOSED STRUC.	EXIST.	YES	YES	YES	NOTES 1, 2, 3, 5, 10, 12
CLASSROOM	LN 310	CPT	RUBBER	GLAZING/ GYP. BD.	GYP. BD.	GYP. BD./ GLAZING	GYP. BD.	SAT - V EXPOSED STRUC.	EXIST.	YES	YES	YES	NOTES 1, 2, 3, 5, 10, 14
STORAGE	LN 314	LVP	RUBBER	GYP. BD.	GYP. BD.	GYP. BD.	GYP. BD.	SAT - 1	9'-0"	YES	NO	NO	NOTES 1, 2

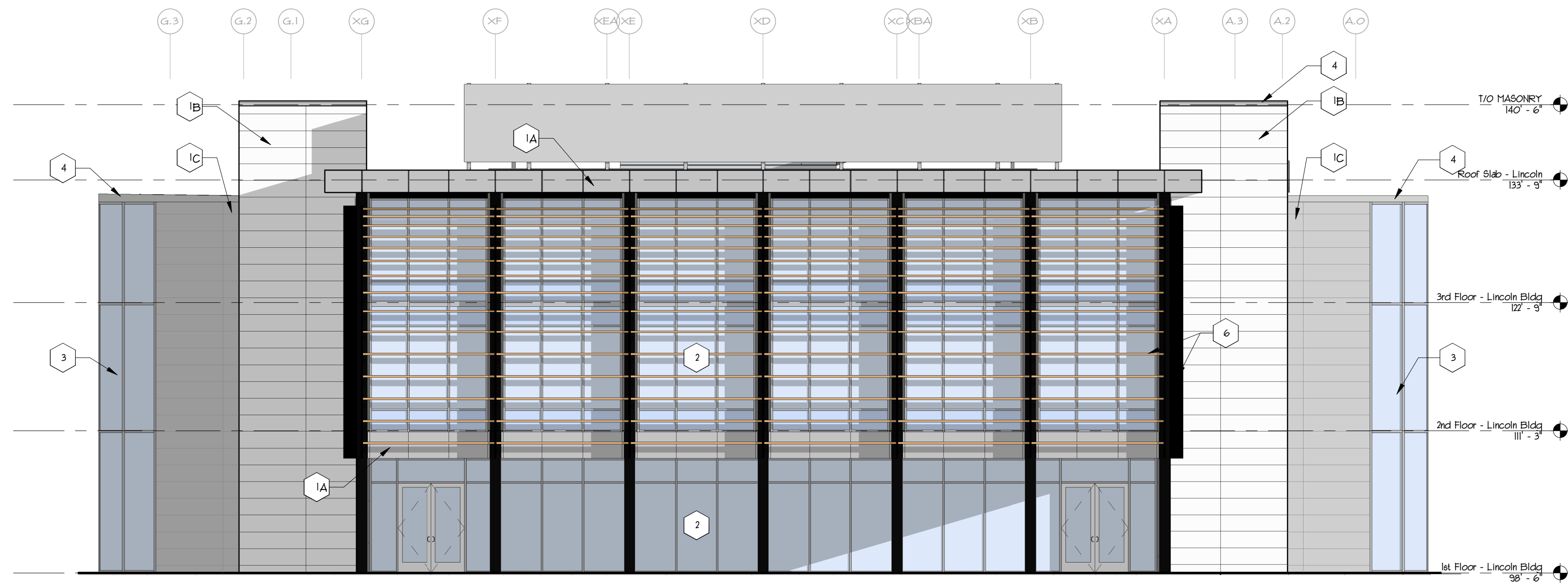
- ROOM FINISH SCHEDULE NOTES:**
- SEE SHEET A3.3 FOR DOOR SCHEDULE, DOOR AND FRAME TYPES, AND HARDWARE SELECTIONS.
  - SEE SHEETS A3.5 AND A3.6 FOR FINISH MATERIAL SCHEDULES, SELECTIONS AND LIMITS.
  - RUBBER BASE TO BE INSTALLED AT WALL LOCATIONS. DO NOT INSTALL RUBBER BASE ON DOOR AND WINDOW FRAMING.
  - EXISTING CONCRETE FLOOR TO BE PREP AND REPAIRED AS NECESSARY TO HAVE SMOOTH FINISH CLEAN AND APPLY NEW DUST PROOFING.
  - PAINT NEW GYP. BOARD WALLS ONLY.
  - EXISTING CEILING THIS ROOM IS EXPOSED STRUCTURE.
  - PROVIDE FIRE RATED FLYWOOD FROM FLOOR TO 8'-0" A.F.F.
  - NO WORK IN THIS ROOM.
  - CEILING CLOUD TO BE MOUNTED AT 9'-0" A.F.F.
  - PREPARE CEILING SURFACE FOR NEW PAINT FINISH. ALL SYSTEMS INCLUDING MECHANICAL, PLUMBING, AND ELECTRICAL ARE TO BE PLACED PRIOR TO PAINTING.
  - EXPOSED STRUCTURE PAINT TO BE DRYWALL.
  - RUBBER BASE TO BE INSTALLED AT MILLWORK ONLY.
  - CEILING CLOUD TO BE MOUNTED AT 8'-6" A.F.F.
  - PAINT GYP. BOARD SCOTT FACIAS HEADERS.
  - PROVIDE ROLLER SHADES AT EXTERIOR WINDOWS. SHADES TO HAVE 3% OPENNESS.
  - PROVIDE DUAL ROLLER SHADES AT EXTERIOR SHADE. ONE TO BE A BLACKOUT AND SHADE TWO TO HAVE 3% OPENNESS.

**KEY NOTES**

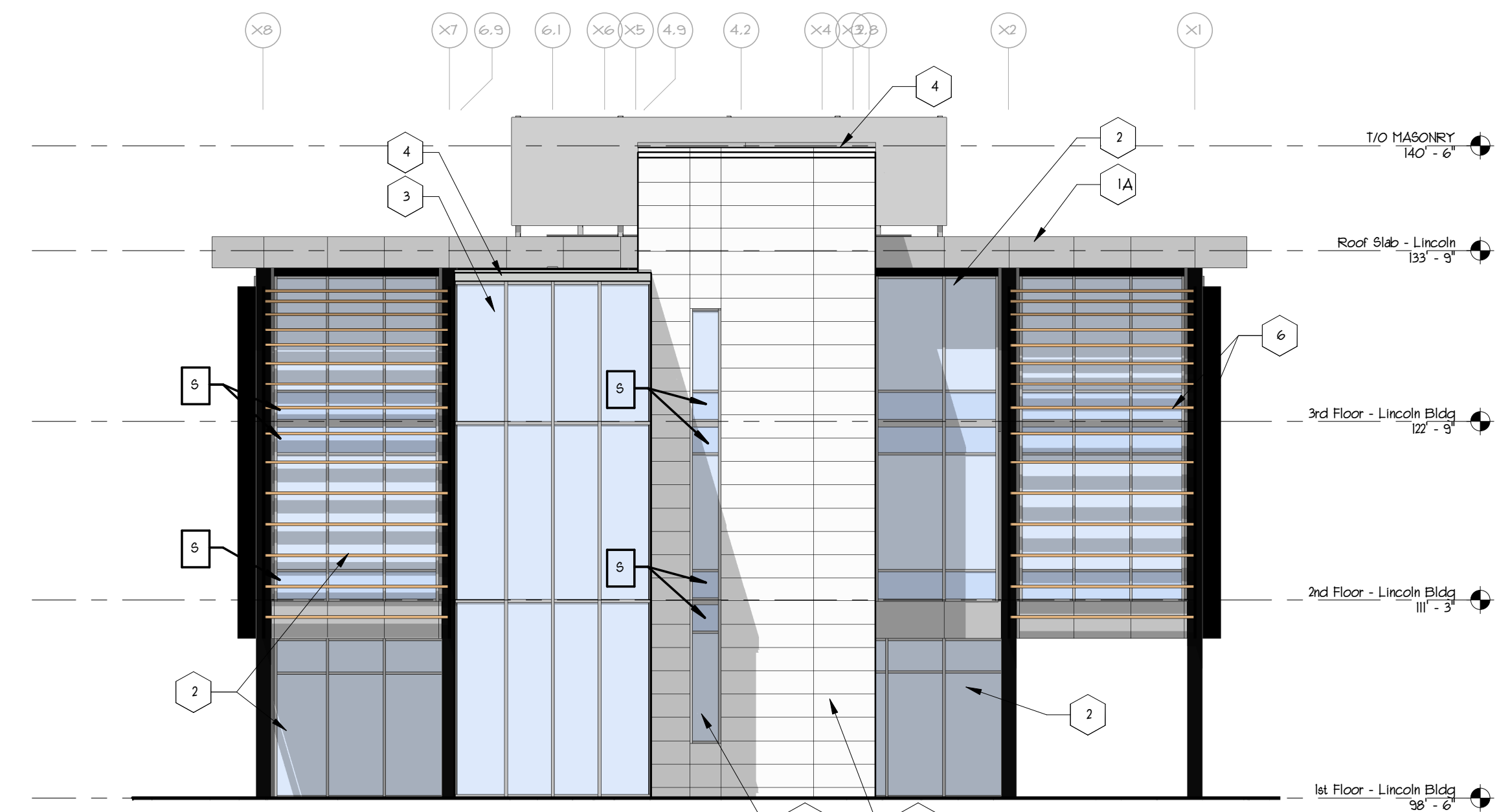
- MILLWORK BASE CABINET WITH FULLY RETRACTABLE/ ROTORIZE DIGITAL DISPLAY CABINET TO HOUSE AV CONTROLS AND IS LOCKABLE.
- PROVIDE 4x4 FRP AND TRIM AT MOP BASIN, EACH WAY.
- SHIP LADDER.
- WHITE BOARD LOCATION - OWNER PROVIDED, CONTRACTOR INSTALLED. PROVIDE BLOCKING AS NECESSARY.
- NEW FIRE EXTINGUISHER CABINET LOCATION.







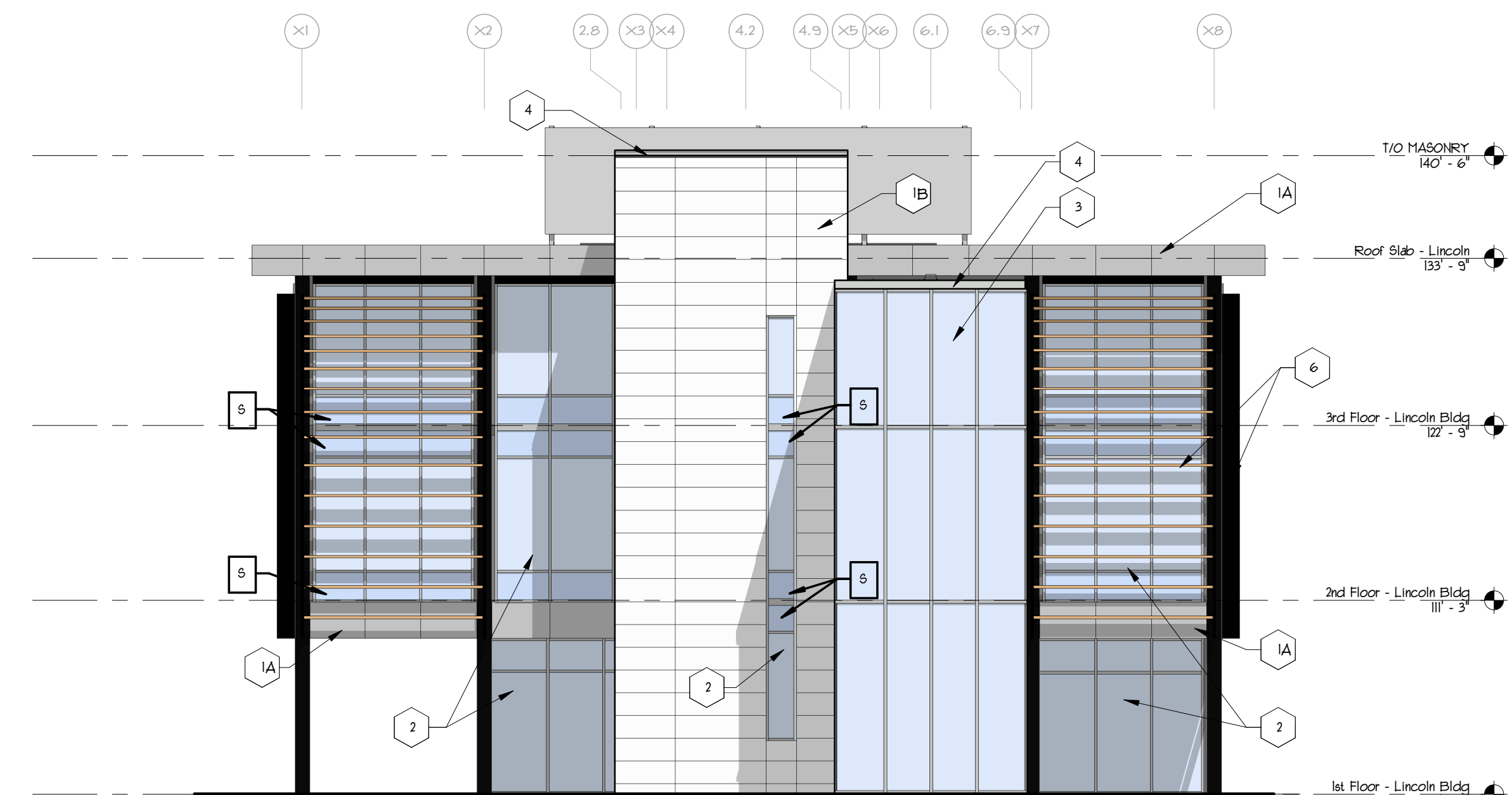
1 NORTH ELEVATION  
A4.1 1/8" = 1'-0"



3 EAST ELEVATION  
A4.1 1/8" = 1'-0"



2 SOUTH ELEVATION  
A4.1 1/8" = 1'-0"



4 WEST ELEVATION  
A4.1 1/8" = 1'-0"

**SHEET KEY NOTES**

- 1A KYNAR PAINTED ALUMINUM COMPOSITE PANELS - BRIGHT SILVER FINISH
- 1B FIBER CEMENT COMPOSITE WALL PANEL, SMOOTH WITH HIGH GLOSS. COLOR TO BE SNOW.
- 1C FIBER CEMENT COMPOSITE WALL PANEL, SMOOTH WITH HIGH GLOSS. COLOR TO BE GLACIER.
- 2 ALUMINUM STOREFRONT SYSTEM WITH 1" INSULATED LOW 'E' GLAZING. SEE SPECIFICATIONS FOR GLAZING REQUIREMENTS.
- 3 STEEL REINFORCED CURTAIN WALL SYSTEM WITH 1" INSULATED LOW 'E' GLAZING. SEE SPECIFICATIONS FOR GLAZING REQUIREMENTS.
- 4 PRE-FINISHED ALUMINUM COPING, COLOR TO MATCH ALUMINUM COMPOSITE PANELS.
- 5 OVERFLOW DOWNSPOUT NOZZLE.
- 6 PRE-FINISHED ALUMINUM SHADE TRELLIS.

**GENERAL SHEET NOTES**

- 5 SPANDREL GLAZING AT THIS LOCATION
- 1. EXISTING BASEMENT FOUNDATION NOT SHOWN FOR CLARITY.

## **Features**

- Trifab® VG 451/451T is 4-1/2" (114.3) deep with a 2" (50.8) sightline
- Front, Center, Back or Multi-Plane glass applications
- Flush glazed from either the inside or outside
- Screw Spline, Shear Block, Stick or Continuous Head and Sill fabrication
- Screw Spline Pre-Glazed option
- SSG / Weatherseal option
- IsoLock® lanced and debridged thermal break option with Trifab® VG 451T
- Infill options up to 1-1/8" (28.6) thickness
- Permanodic® anodized finishes in seven choices
- Painted finishes in standard and custom choices

## **Optional Features**

- Acoustical rating per AAMA 1801 and ASTM E 1425
- Project specific U-factors (See Thermal Charts)
- Integrates with Versoleil® SunShade Outrigger System and Horizontal Single Blade System
- Profit\$Maker® Plus die sets available

## **Product Applications**

- Storefront, Ribbon Window, Punched Openings or Pre-Glazed
- Single-span
- Integrated entrance framing allowing Kawneer standard entrances or other specialty entrances to be incorporated
- Kawneer windows or GLASSvent® Windows for Storefront Framing are easily incorporated

For specific product applications,  
consult your Kawneer representative.

Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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**CHARTS (WIND LOAD, DEADLOAD, END REACTION & THERMAL) .. 61-109**

Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses ( ) are millimeters unless otherwise noted.

The following metric (SI ) units are found in these details:

- m – meter
- cm – centimeter
- mm – millimeter
- s – second
- Pa – pascal
- MPa – megapascal

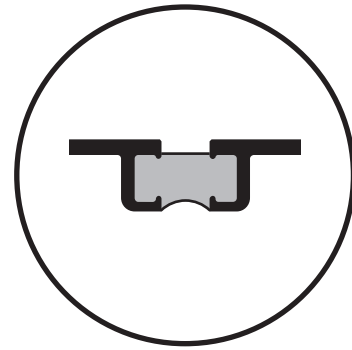
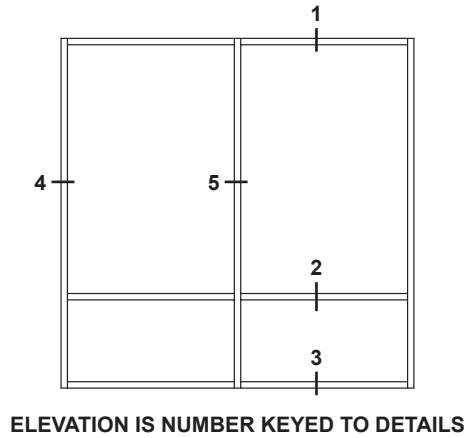


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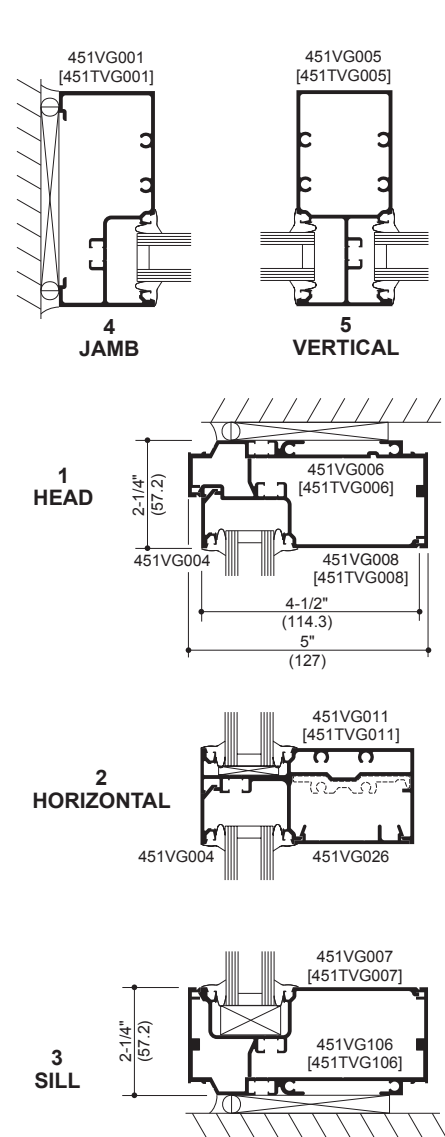
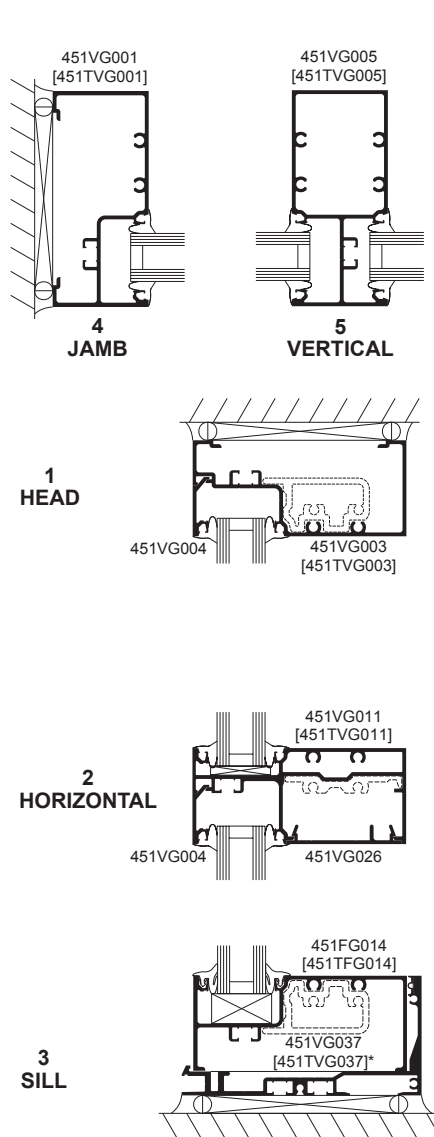
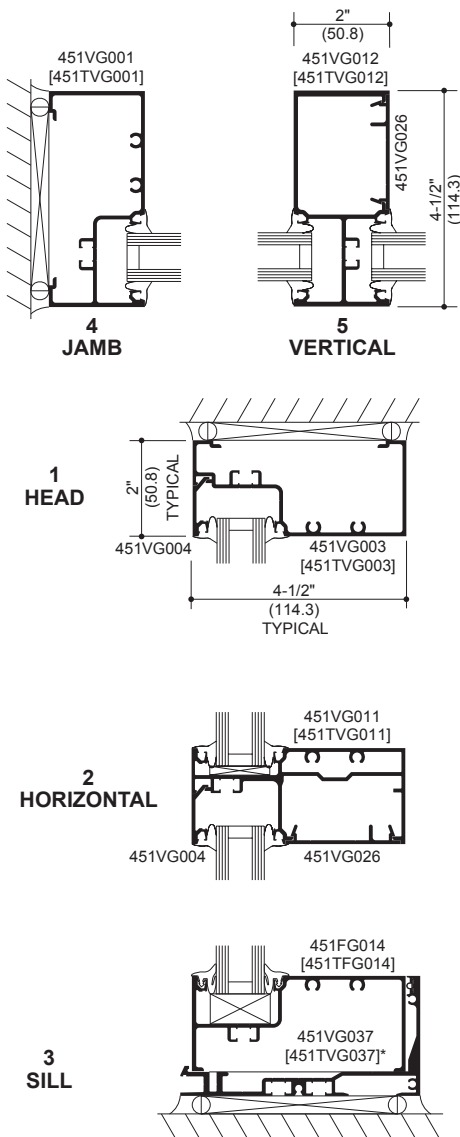


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## SCREW SPLINE

## SHEAR BLOCK

## STICK



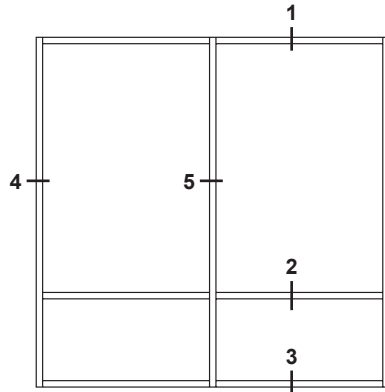
\* HP Sill Flashing shown with optional gasket.

\* HP Sill Flashing shown with optional gasket.

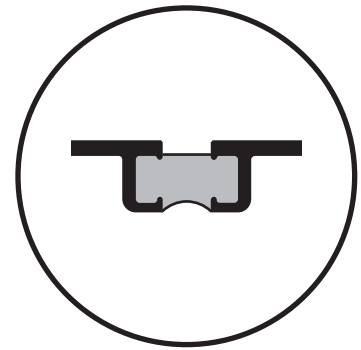
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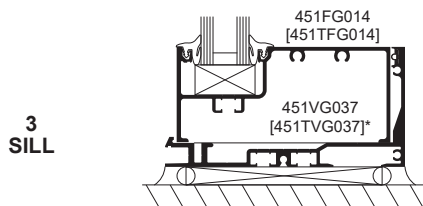
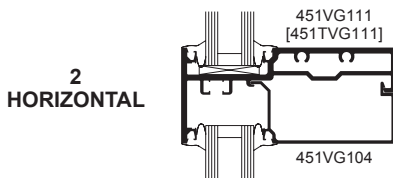
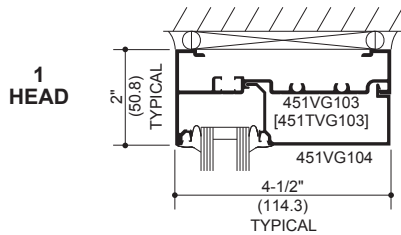
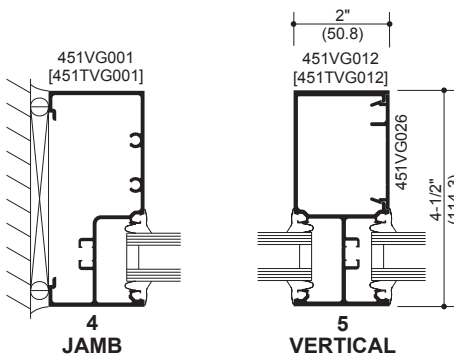


ELEVATION IS NUMBER KEYED TO DETAILS



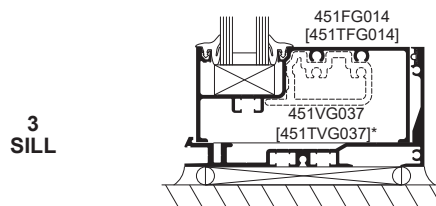
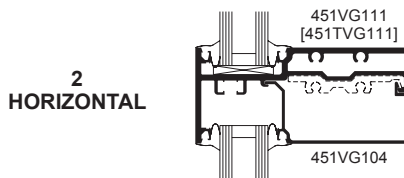
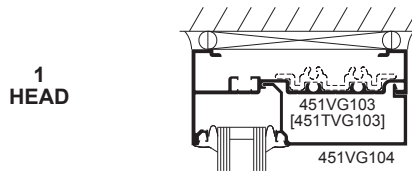
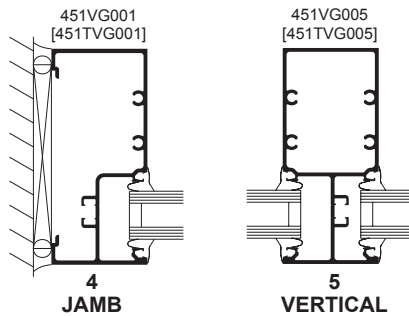
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## SCREW SPLINE



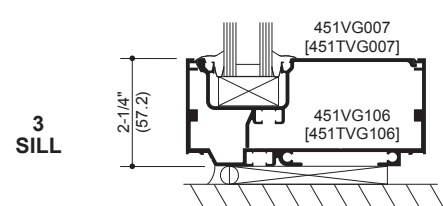
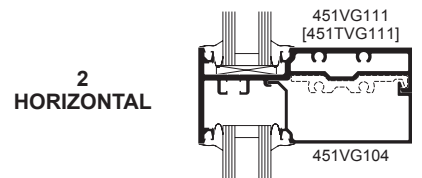
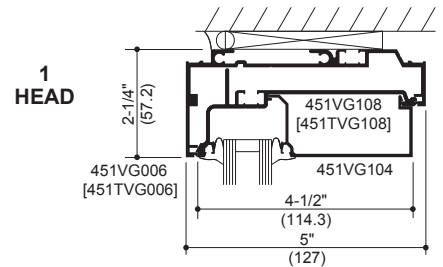
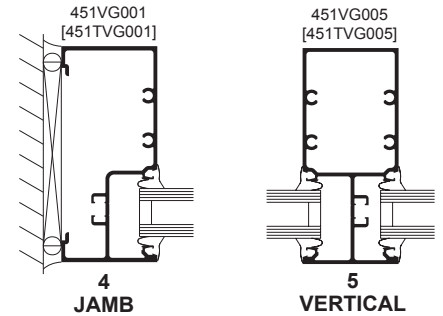
\* HP Sill Flashing shown with optional gasket.

## SHEAR BLOCK



\* HP Sill Flashing shown with optional gasket.

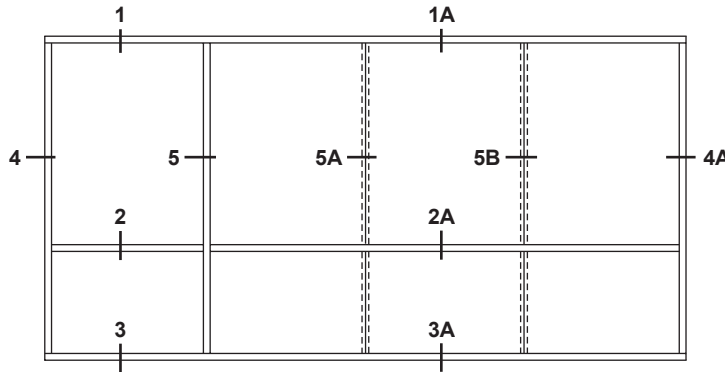
## STICK



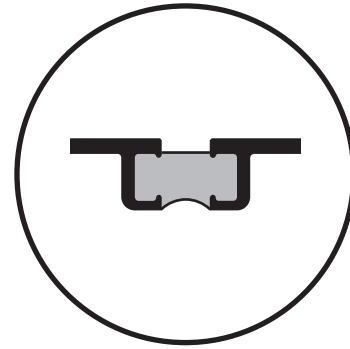
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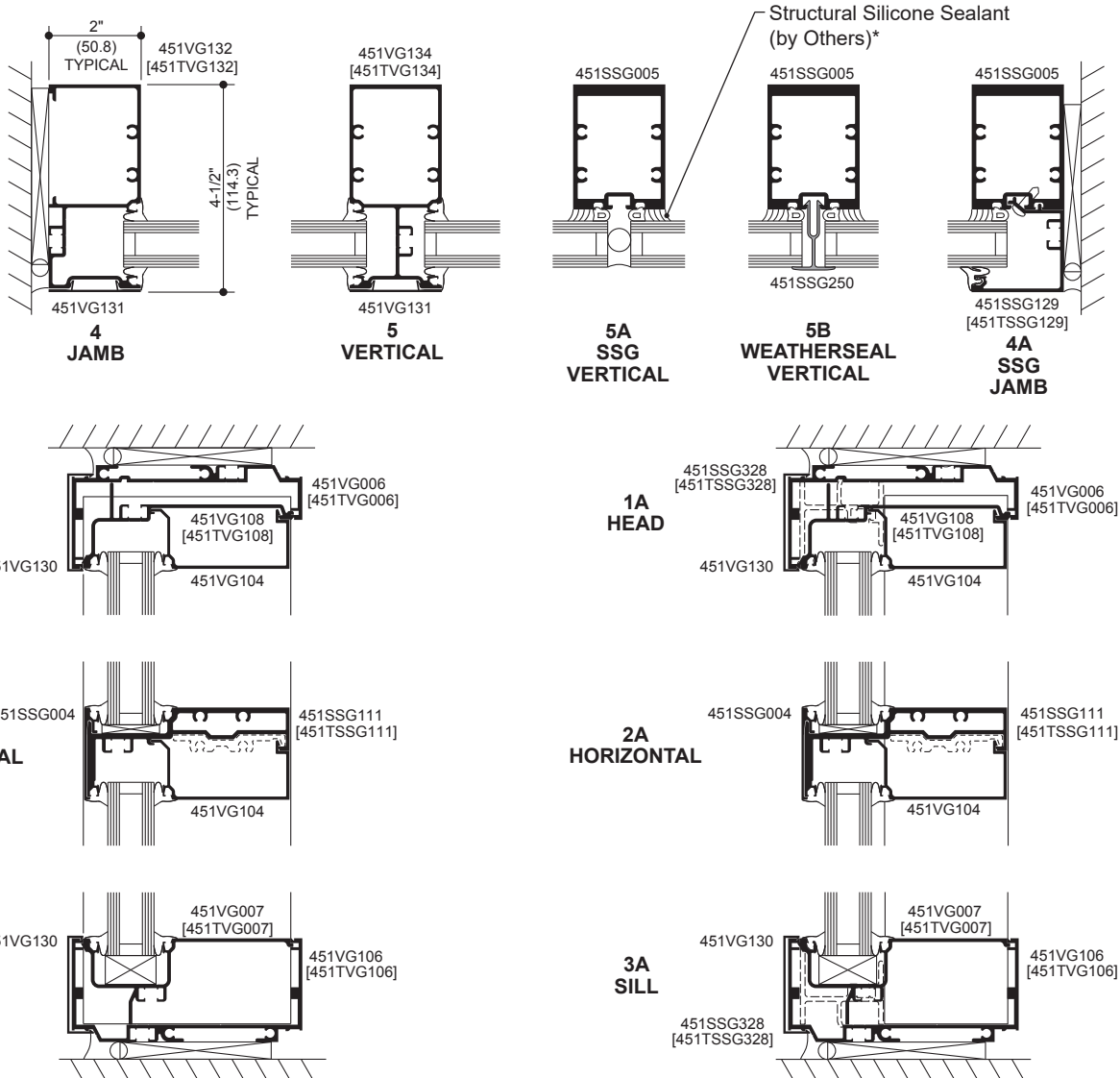
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**STICK (INSIDE GLAZED)  
TWO COLOR OPTION**

**STANDARD RECEPTOR with SSG ADAPTOR**

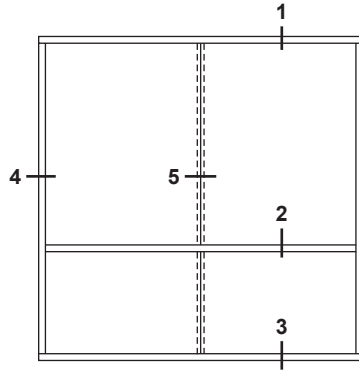


\* INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

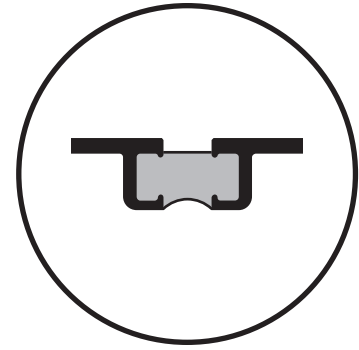
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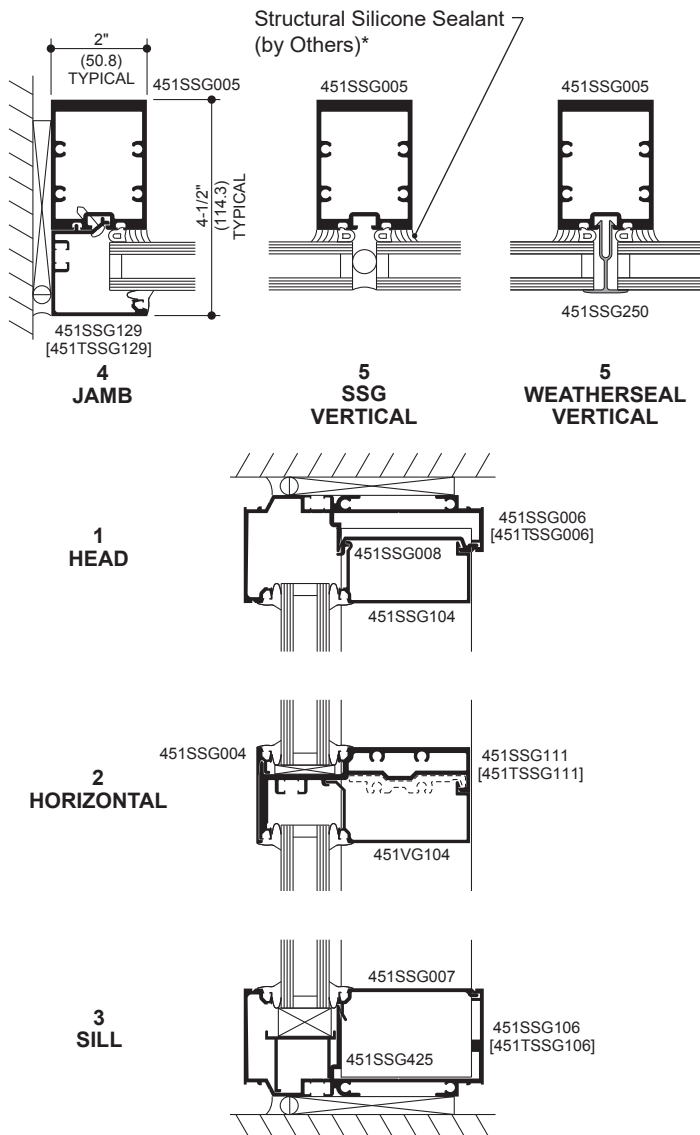


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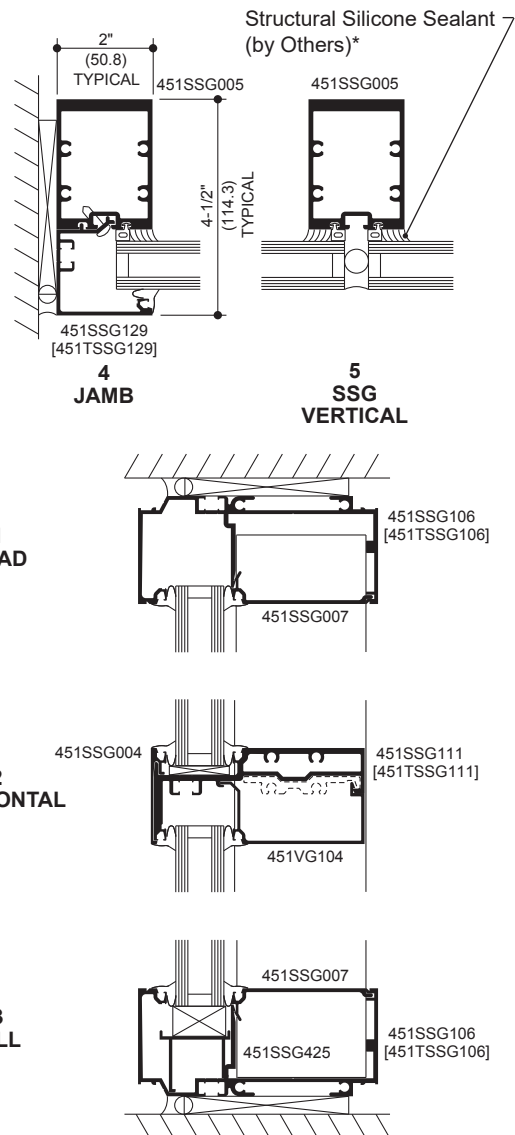


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## STICK (INSIDE GLAZED) SSG RECEPTOR



## STICK (OUTSIDE GLAZED) SSG RECEPTOR

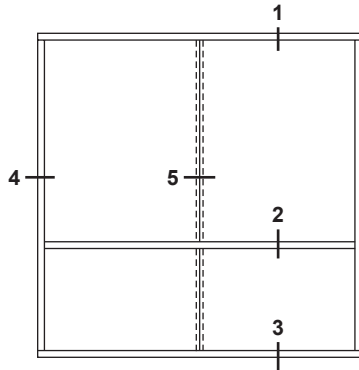


\* **INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

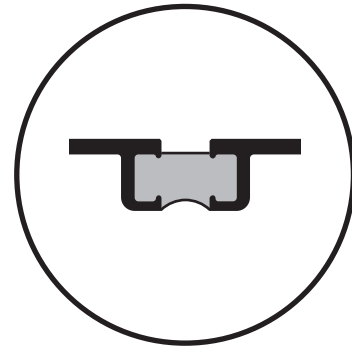
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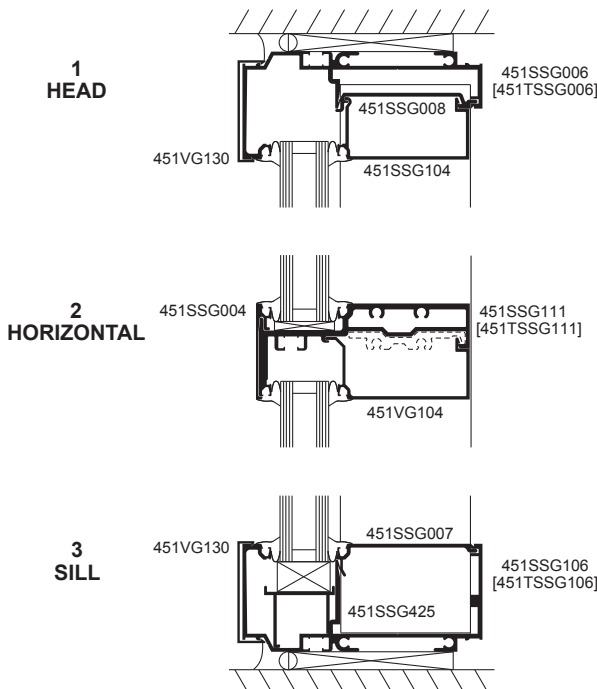
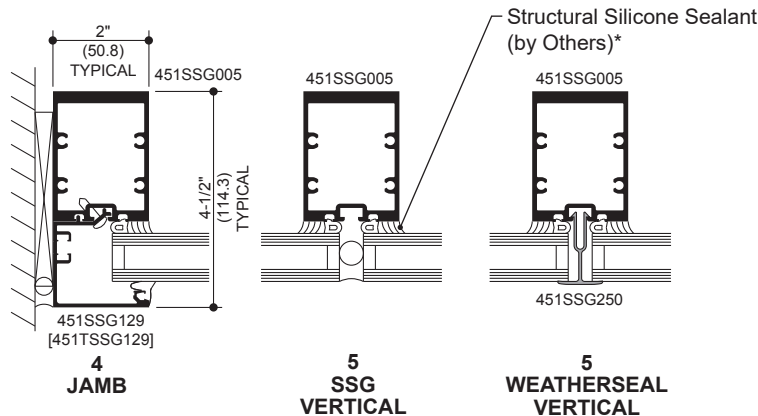
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**STICK (INSIDE GLAZED)  
TWO COLOR OPTION**

**SSG RECEPTOR**



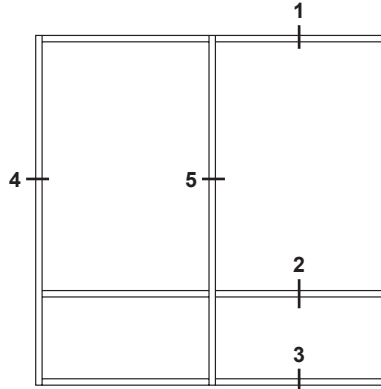
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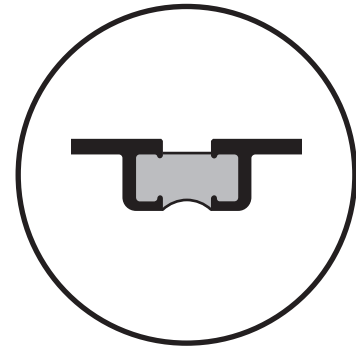
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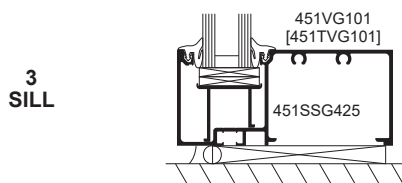
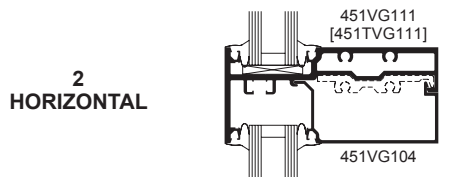
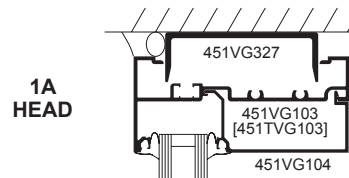
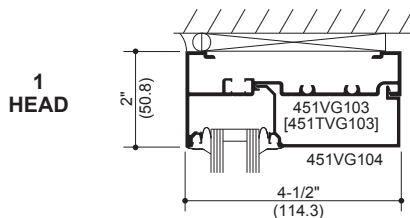
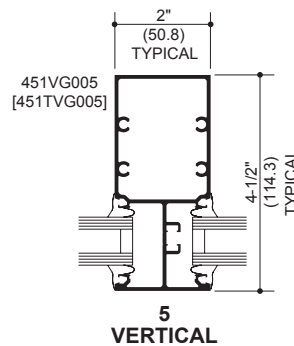
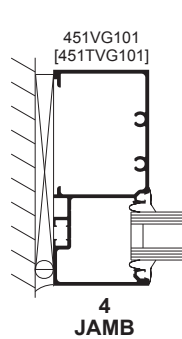
ELEVATION IS NUMBER KEYED TO DETAILS



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## CONTINUOUS HEAD AND SILL (INSIDE GLAZED)

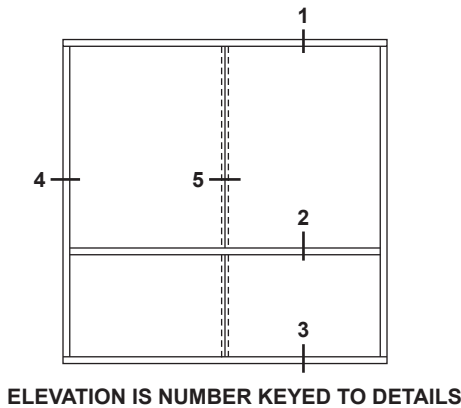
### PUNCHED OPENING



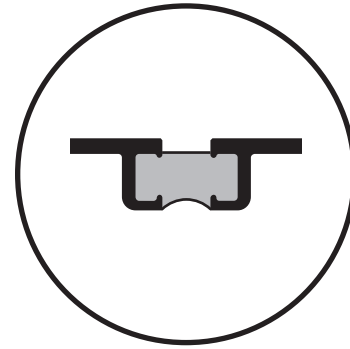
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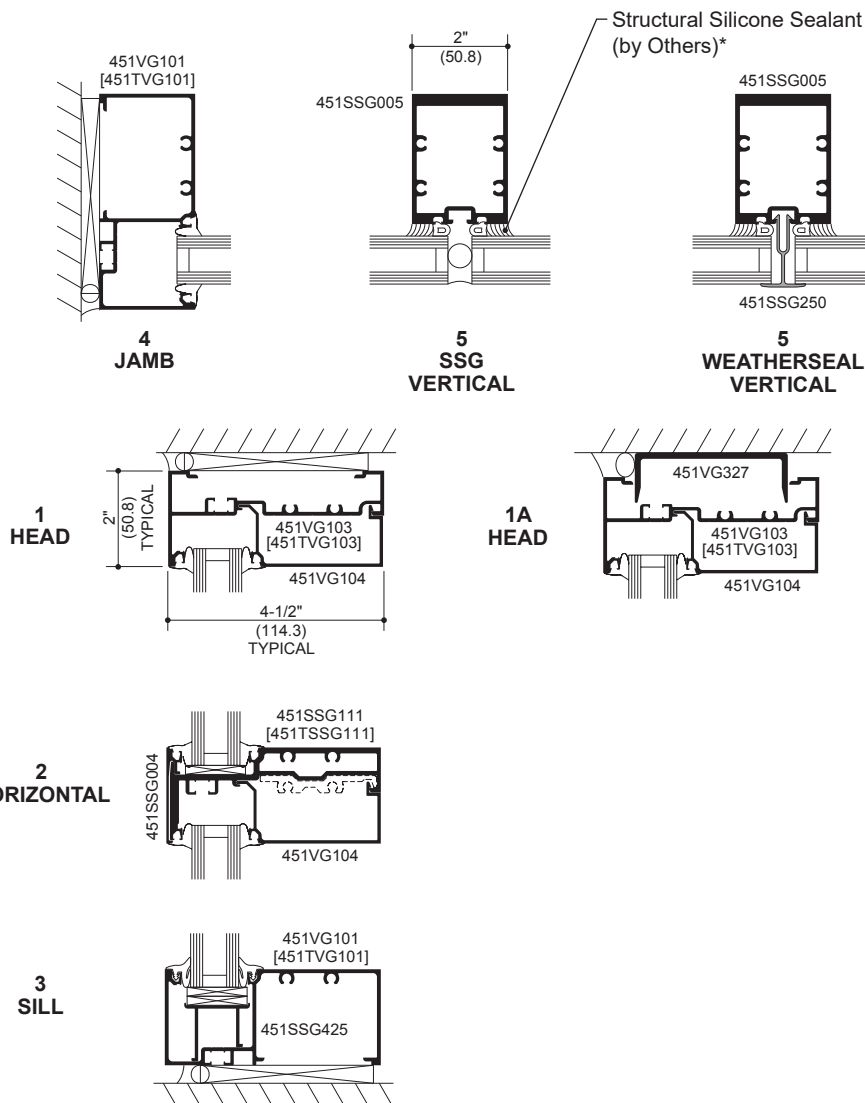


ELEVATION IS NUMBER KEYED TO DETAILS



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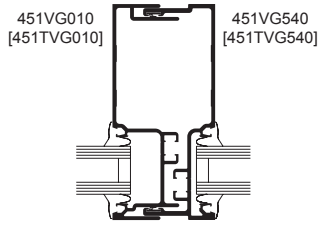
**CONTINUOUS HEAD AND SILL (INSIDE GLAZED)  
SSG \ WEATHERSEAL  
PUNCHED OPENING**



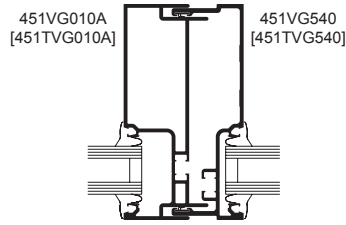
\* INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.



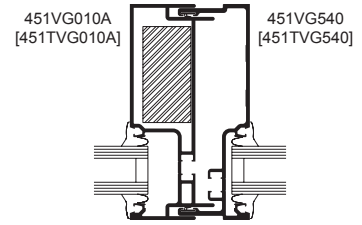
Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)



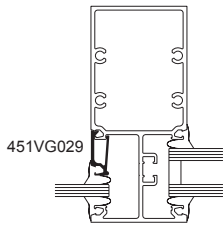
**EXPANSION MULLION**



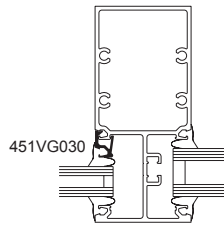
**TUBULAR  
EXPANSION MULLION**



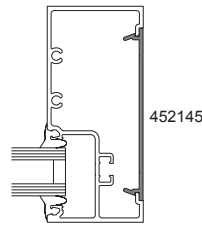
**TUBULAR  
EXPANSION MULLION  
WITH STEEL**



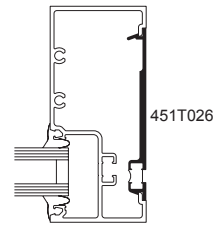
**1/4" (6.4) INFILL  
SNAP-IN ADAPTOR**



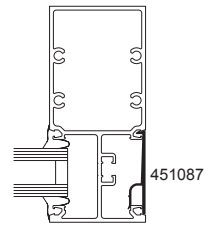
**5/8" (15.9) INFILL  
SNAP-IN ADAPTOR**



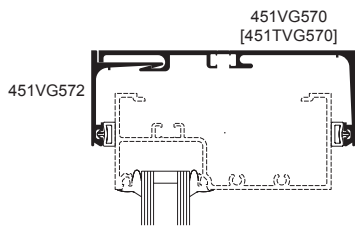
**PVC FLAT FILLER  
(NON STRUCTURAL)**



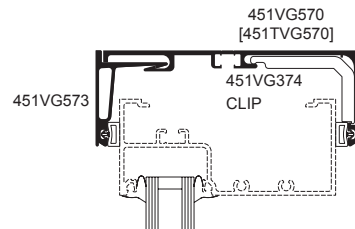
**THERMAL  
FLAT FILLER**



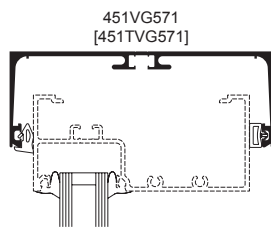
**SNAP-IN  
FLAT FILLER**



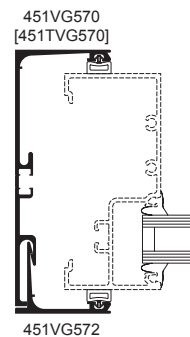
**STANDARD - HEAD  
COMPENSATING RECEPTOR  
(EXTERIOR INSTALLED)**



**HEAVY WEIGHT - HEAD  
COMPENSATING RECEPTOR  
(EXTERIOR INSTALLED)**



**ONE PIECE - HEAD  
COMPENSATING RECEPTOR**

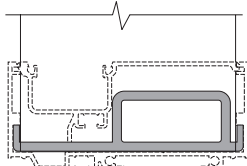


**JAMB  
COMPENSATING RECEPTOR  
(EXTERIOR INSTALLED)**

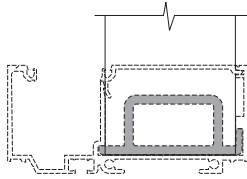
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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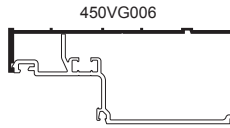
Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)



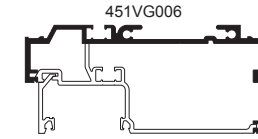
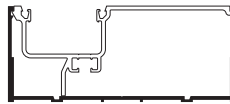
451VG362  
**MULLION ANCHOR**



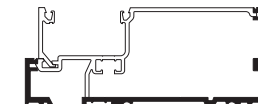
451SSG362  
**SSG MULLION ANCHOR**



450VG006  
**OPTIONAL LIGHTWEIGHT  
CAN RECEPTORS**



451VG006  
**OPTIONAL UNEQUAL LEG  
CAN RECEPTORS**

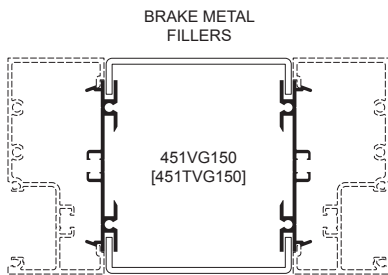


**NOTE:**

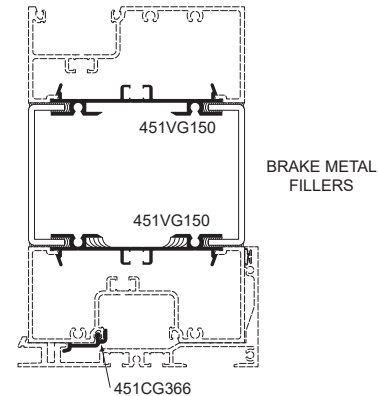
If the end reaction of the mullion (mullion spacing (ft.) times height (ft) times specified wind load (psf), divided by two) is more than 500 LBS., the optional Mullion Anchor must be used. Consult Application Engineering.

**NOTE:**

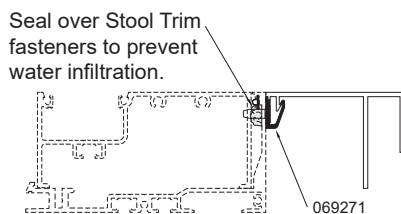
Mullion Anchor not used with Lightweight Receptor.



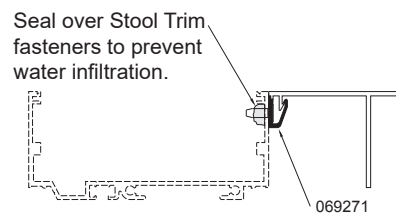
**BRAKE METAL  
ADAPTOR**



**BRAKE METAL ADAPTOR  
AT HORIZONTAL**



**STOOL TRIM CLIP  
with HP FLASHING**

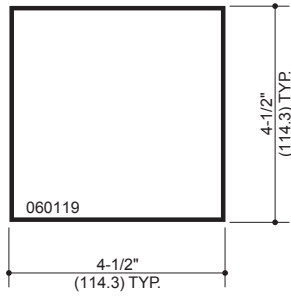


**STOOL TRIM CLIP  
FOR STICK ASSEMBLY**

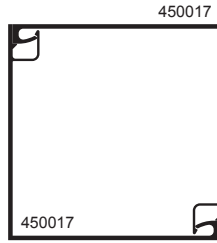
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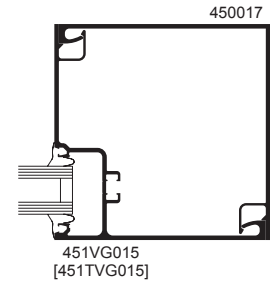
Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)



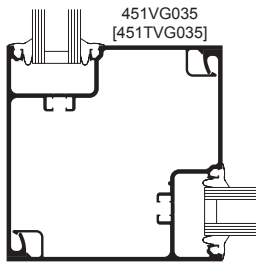
**4-1/2" X 4-1/2" TUBE**



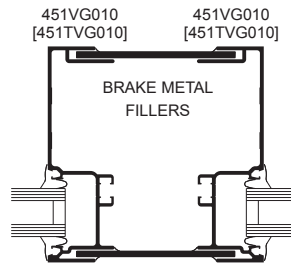
**TWO PIECE  
NO POCKET CORNER**



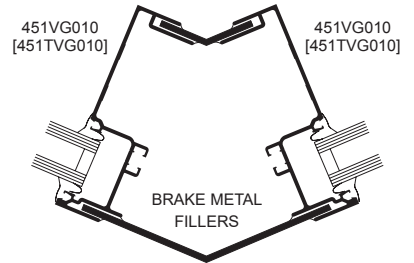
**ONE POCKET  
CORNER**



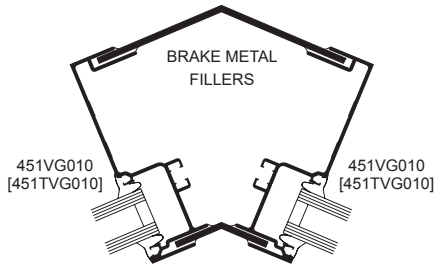
**TWO POCKET  
90° CORNER**



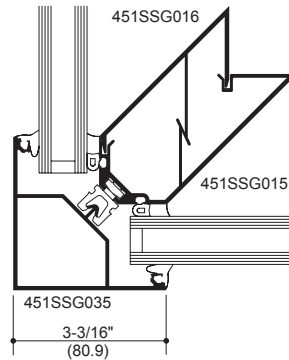
**TWO POCKET  
CORNER POST**



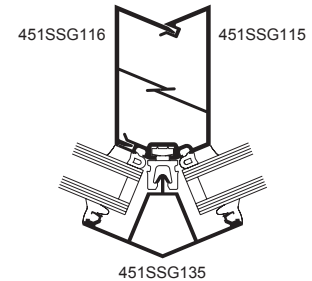
**VARIABLE DEGREE  
BRAKE METAL  
OUTSIDE CORNER**



**VARIABLE DEGREE  
BRAKE METAL  
INSIDE CORNER**



**90° CORNER**



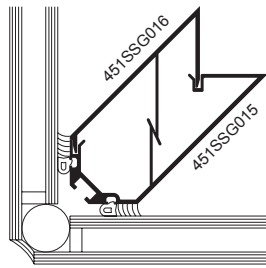
**135° CORNER**

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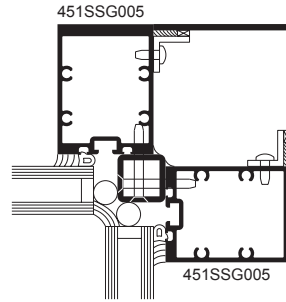
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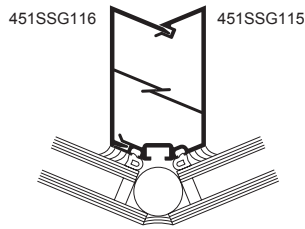
## INSIDE GLAZED



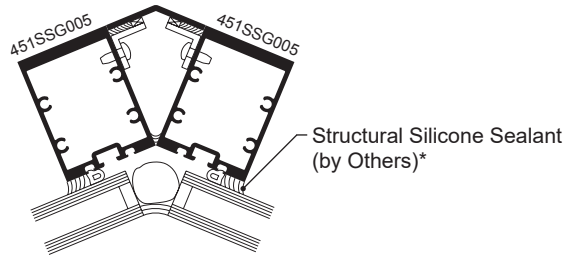
90° OUTSIDE CORNER



90° INSIDE CORNER

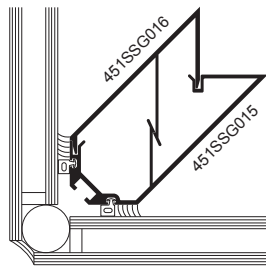


135° OUTSIDE CORNER

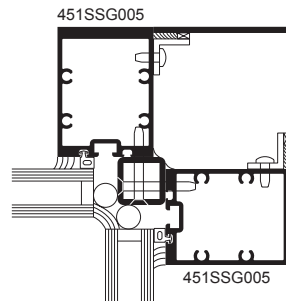


135° INSIDE CORNER

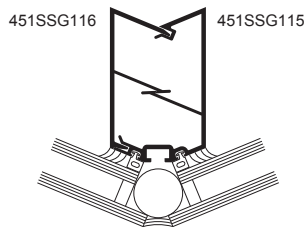
## OUTSIDE GLAZED



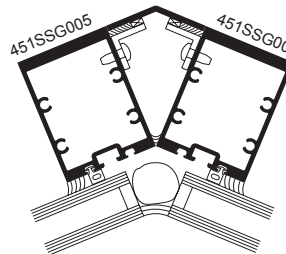
90° OUTSIDE CORNER



90° INSIDE CORNER



135° OUTSIDE CORNER



135° INSIDE CORNER

\* INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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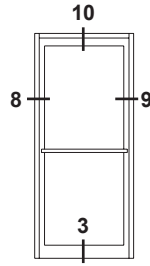
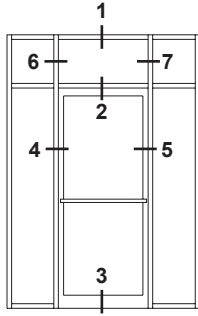
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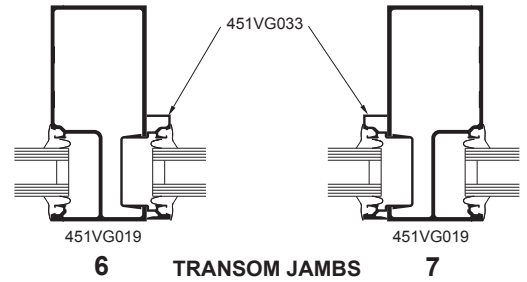
## Trifab® VG 451 FRAMING INCORPORATING KAWNEER® "190" DOORS.

### DOOR FRAMING NON-THERMAL ONLY

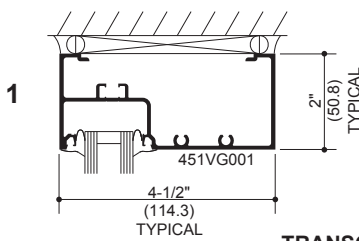
**NOTE:** OTHER TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM. SEE ENTRANCE DETAILS FOR ADDITIONAL INFORMATION.



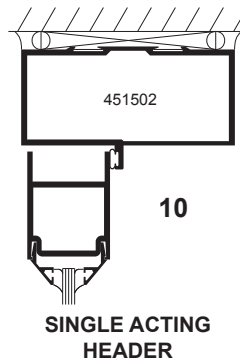
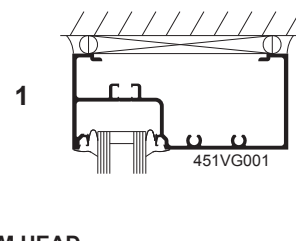
ELEVATIONS ARE NUMBER KEYED TO DETAILS



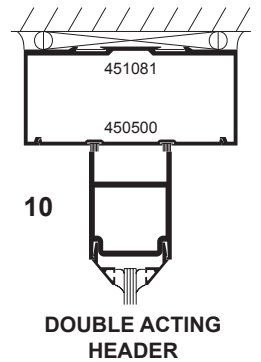
Transom area for both double or single acting doors with glass surround. Jambs above transom bar are routed out to accept glass holding insert.



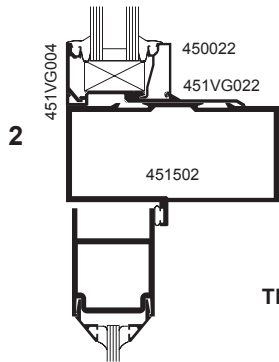
TRANSOM HEAD



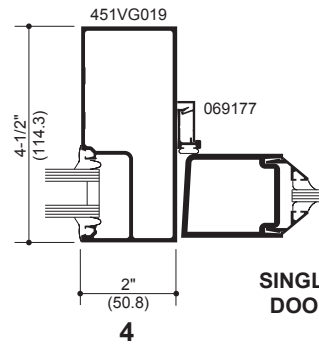
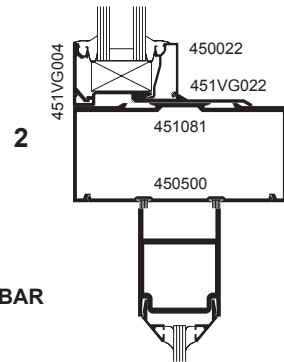
SINGLE ACTING HEADER



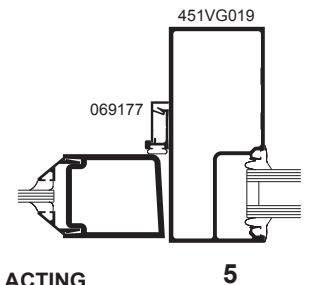
DOUBLE ACTING HEADER



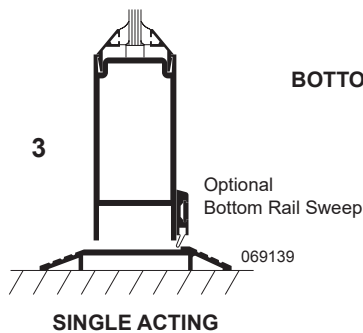
TRANSOM BAR



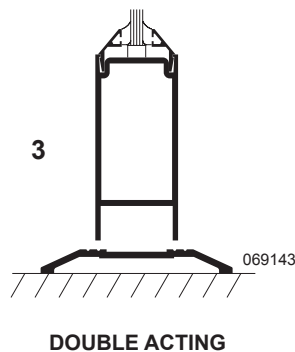
SINGLE ACTING DOOR JAMBS



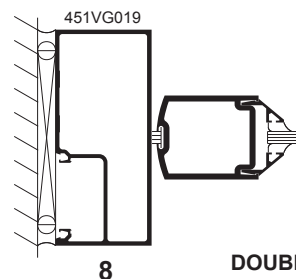
DOUBLE ACTING DOOR JAMBS



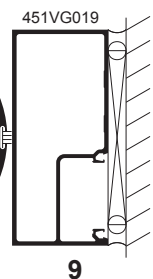
SINGLE ACTING



DOUBLE ACTING



DOUBLE ACTING DOOR JAMBS



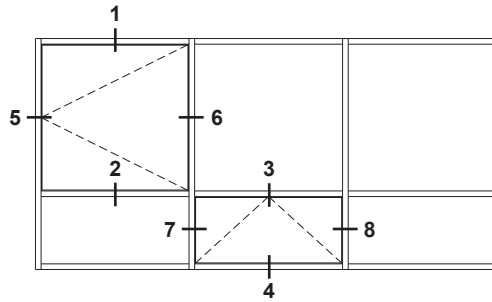
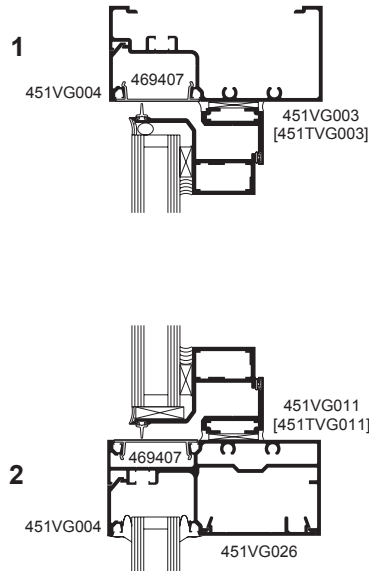
DOUBLE ACTING DOOR JAMBS

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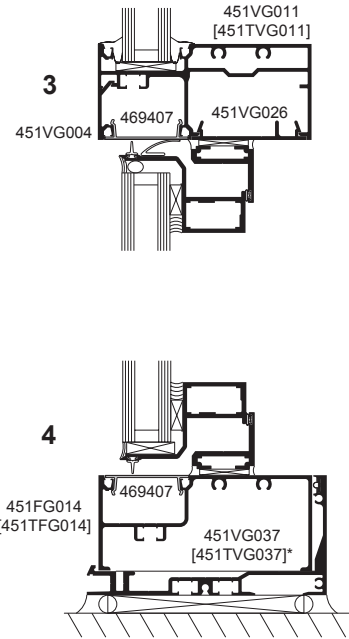
Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

**OUTSWING CASEMENT  
VERTICAL SECTION**

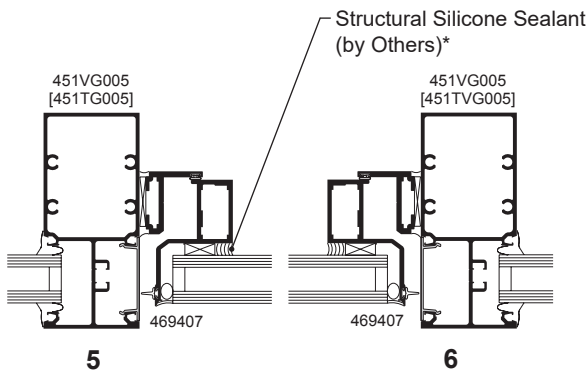


ELEVATION IS NUMBER KEYED TO DETAILS

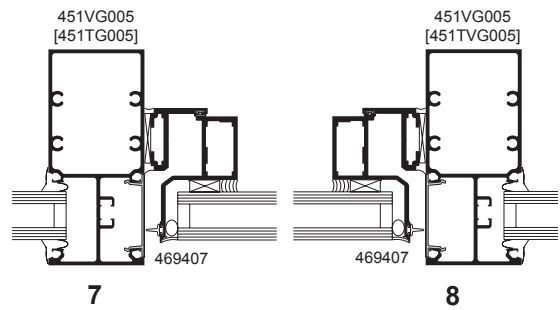
**PROJECT-OUT  
VERTICAL SECTION**



**OUTSWING CASEMENT  
HORIZONTAL SECTION**



**PROJECT-OUT  
HORIZONTAL SECTION**



**NOTE:** Black spacer is recommended when 1" insulating glass is used.

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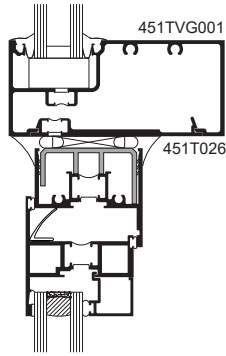
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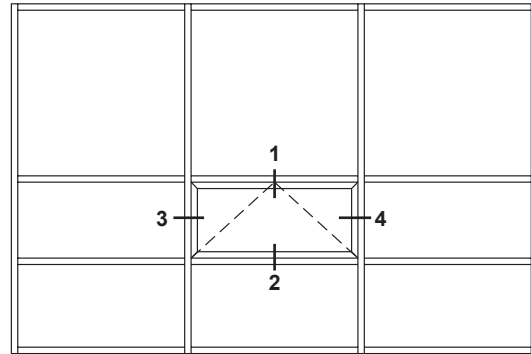
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### PROJECT-OUT VERTICAL SECTION

1

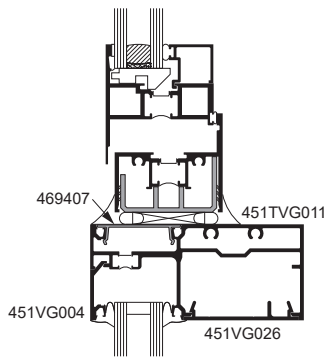


**8225TL THERMAL WINDOWS SHOWN**  
**NOTE: OTHER VENT TYPES CAN BE**  
**ACCOMMODATED, CONSULT YOUR KAWNEER**  
**REPRESENTATIVE FOR OTHER OPTIONS**

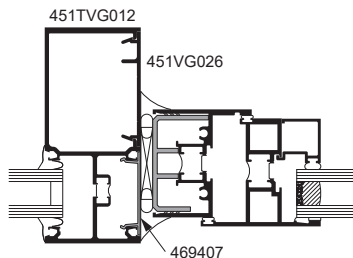


ELEVATION IS NUMBER KEYED TO DETAILS

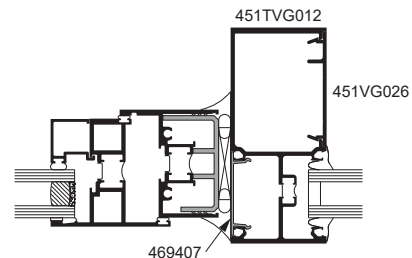
2



### PROJECT-OUT HORIZONTAL SECTION



3



4

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## **Features**

- 1600 Wall System®1 is an outside glazed captured curtain wall
- 1600 Wall System®1 has a 2-1/2" (63.5) sight line
- Standard 6" (152.4) or 7-1/2" (190.5) depth systems
- Standard infill options 1/4" (6.4) and 1" (25.4), other infills available
- Thermally Broken by means of a continuous 1/4" (6.4) low conductance spacer
- Concealed fastener joinery creates smooth, monolithic appearance
- Open-back horizontals and perimeters are available for cost savings
- Shear block fabrication method
- Corners and splayed mullions
- Offers integrated entrance framing systems
- Silicone compatible glazing materials for long-lasting seals
- 1600 Wall System®1 has been small and large missile impact and cycle tested
- Two color option
- Permanodic® anodized finishes in seven choices
- Painted finishes in standard and custom choices

## **Optional Features**

- Steel reinforcing
- Rain screen and backpans
- Optional deep profile and bull nose covers
- Deep and heavy-weight mullions
- Fiberglass pressure plates
- Veneer system
- Integrates with standard Kawneer windows and GLASSvent® windows for curtain wall
- Integrates with Versoleil® Sunshade Outrigger System and Horizontal or Vertical Single Blade System
- Integrates with 1600 PowerShade®
- Profit\$Maker® Plus die sets
- Hurricane impact resistant framing options: 7-1/16" (179.4), 7-13/16" (198.4), 10-1/16" (255.6) & 10-13/16" (274.6)
- Hurricane impact resistant glazed-in panel

## **Product Applications**

- Ideal for low to mid-rise applications where high performance is desired
- It also is the right choice for high span applications

For specific product applications,  
consult your Kawneer representative.

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**Architects** - Most extrusion and window types illustrated in this catalog are standard products for Kawneer. These concepts have been expanded and modified to afford you design freedom. Some miscellaneous details are non-standard and are intended to demonstrate how the system can be modified to expand design flexibility. Please contact your Kawneer representative for further assistance.

**PICTORIAL VIEW .....5**

**1" INFILL DETAILS.....6**

**1/4" INFILL DETAILS.....7**

**ENTRANCE DETAILS .....8,9**

**CORNERS.....10**

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Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses ( ) are millimeters unless otherwise noted.

The following metric (SI ) units are found in these details:

- m – meter
- cm – centimeter
- mm – millimeter
- s – second
- Pa – pascal
- MPa – megapascal

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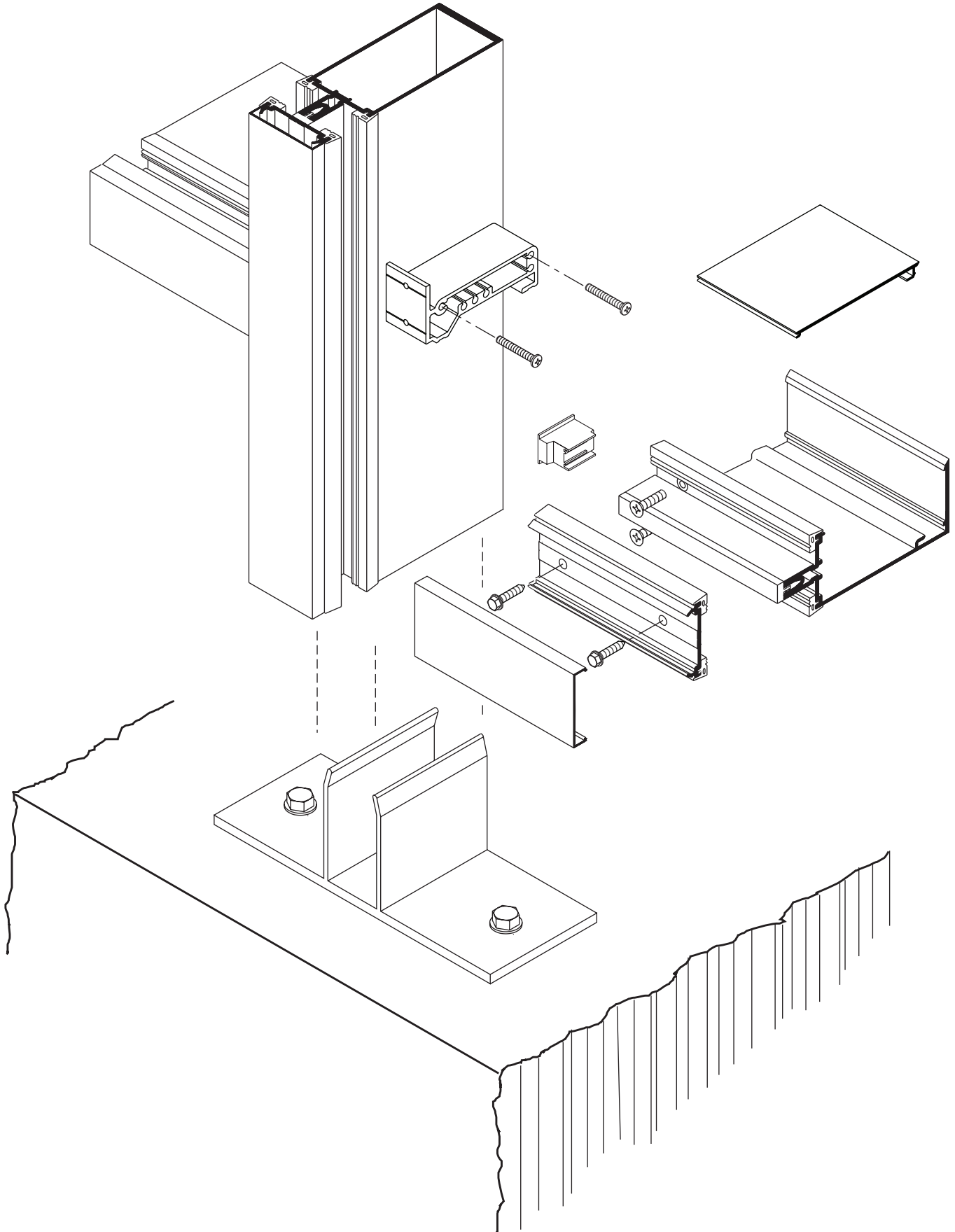
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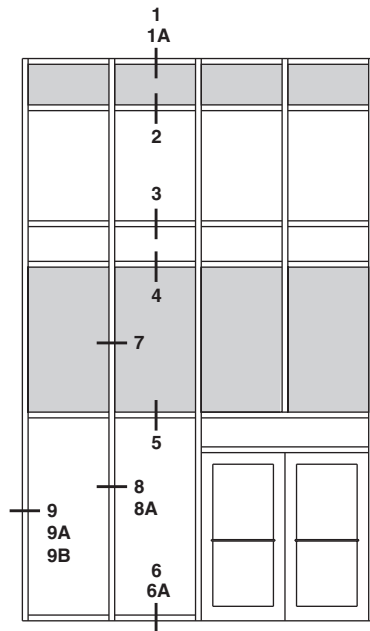
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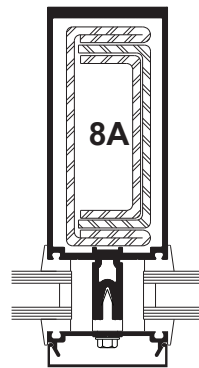
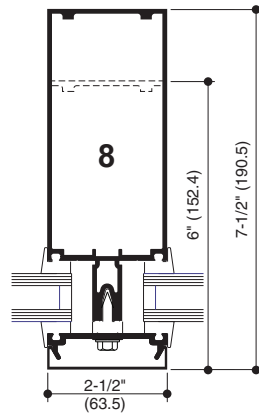
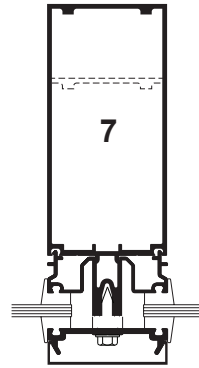
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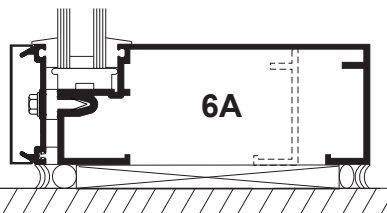
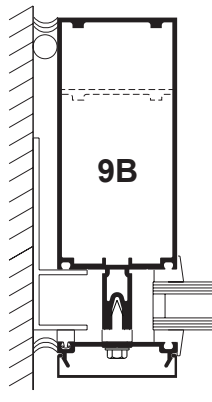
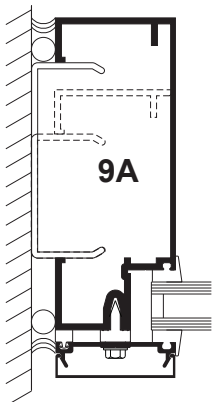
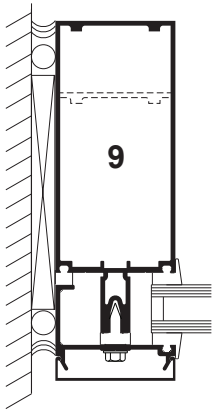
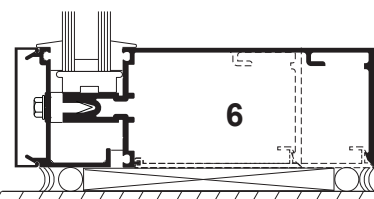
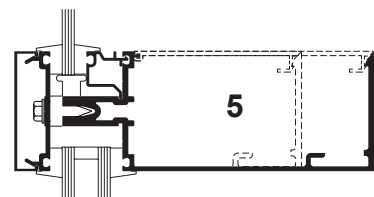
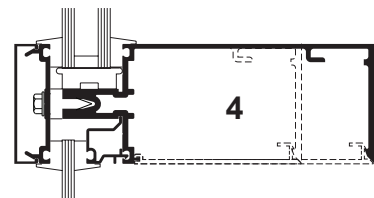
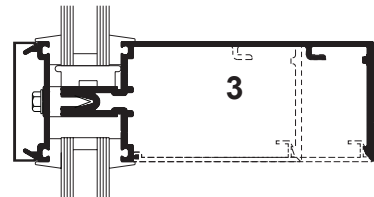
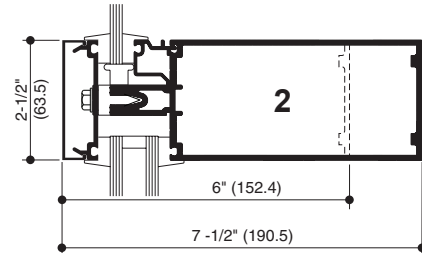
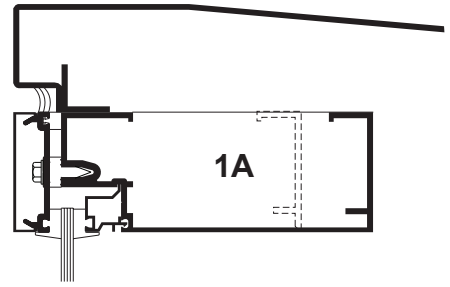
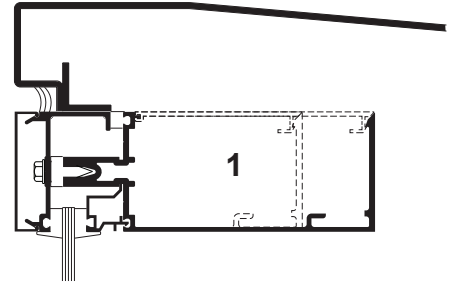
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ELEVATION IS NUMBER KEYED TO DETAILS



OPTIONAL STEEL REINFORCING AS REQUIRED



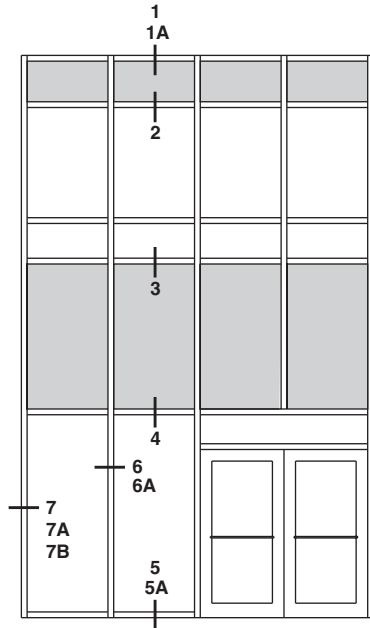
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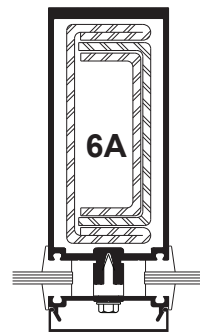
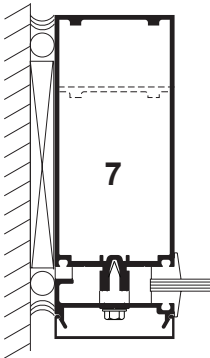
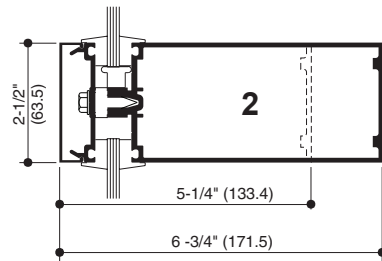
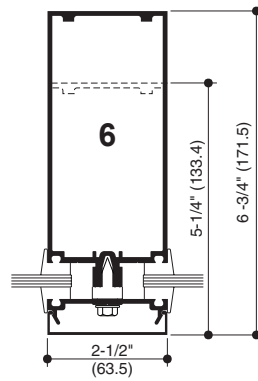
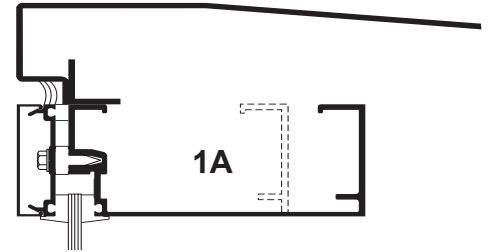
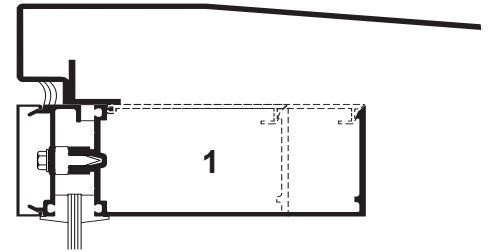
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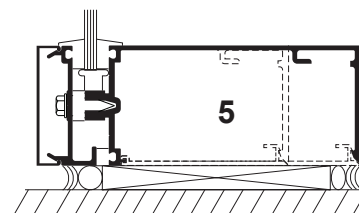
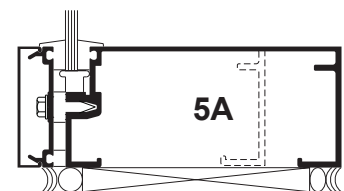
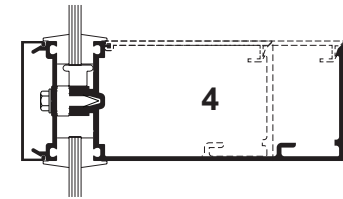
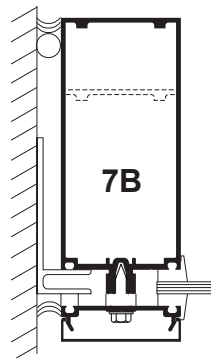
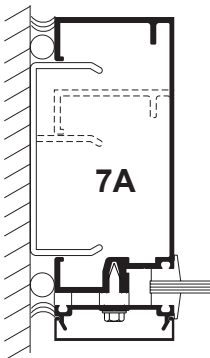
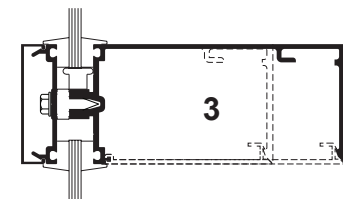
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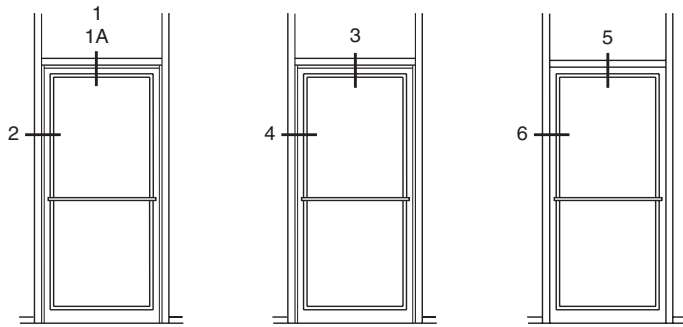
ELEVATION IS NUMBER KEYED TO DETAILS



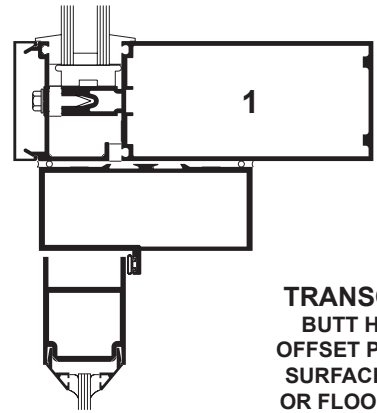
OPTIONAL STEEL REINFORCING AS REQUIRED



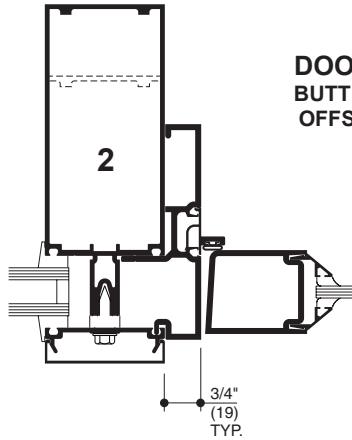
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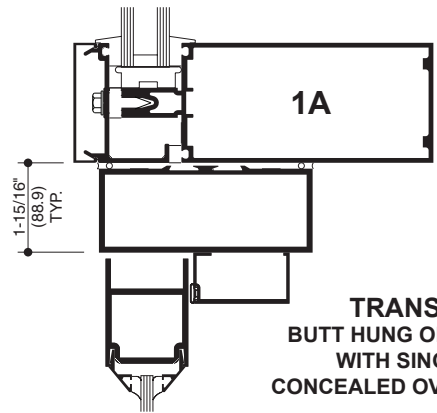
B/H OR O/P                      C/H                      B/H OR O/P  
 ELEVATION IS NUMBER KEYED TO DETAILS



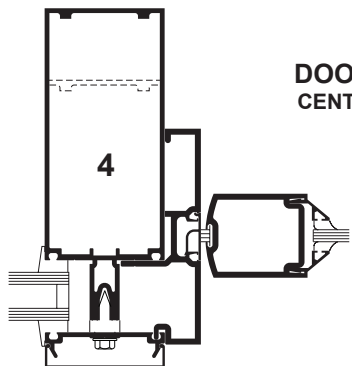
**TRANSOM BAR  
 BUTT HUNG OR  
 OFFSET PIVOT WITH  
 SURFACE CLOSER  
 OR FLOOR CLOSER**



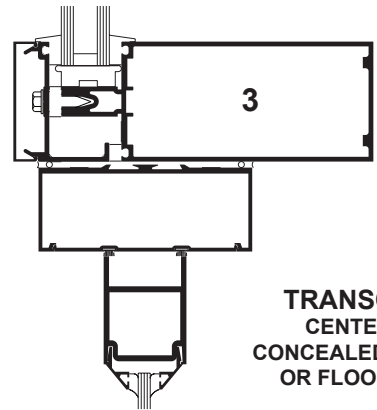
**DOOR JAMB  
 BUTT HUNG OR  
 OFFSET PIVOT**



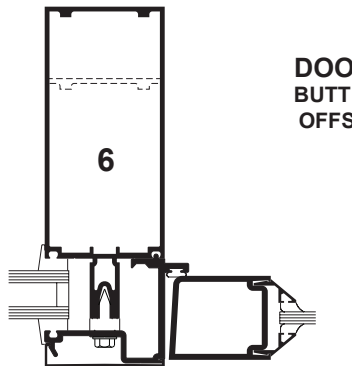
**TRANSOM BAR  
 BUTT HUNG OR OFFSET PIVOT  
 WITH SINGLE ACTING  
 CONCEALED OVERHEAD CLOSER**



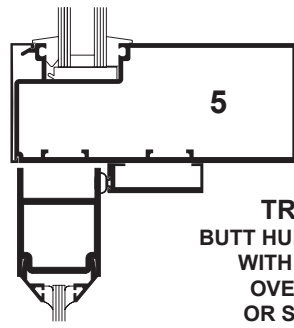
**DOOR JAMB  
 CENTER HUNG**



**TRANSOM BAR  
 CENTER HUNG  
 CONCEALED OVERHEAD  
 OR FLOOR CLOSER**



**DOOR JAMB  
 BUTT HUNG OR  
 OFFSET PIVOT**



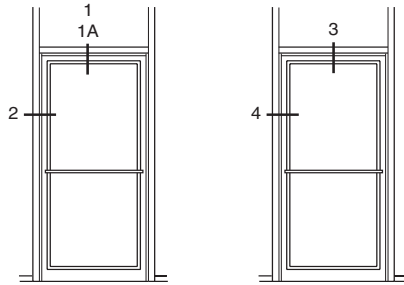
**TRANSOM BAR  
 BUTT HUNG OR OFFSET PIVOT  
 WITH LCN CONCEALED  
 OVER HEAD CLOSER  
 OR SURFACE CLOSER**

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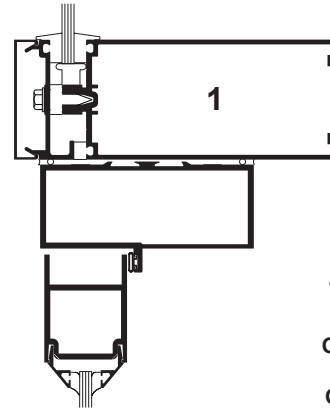
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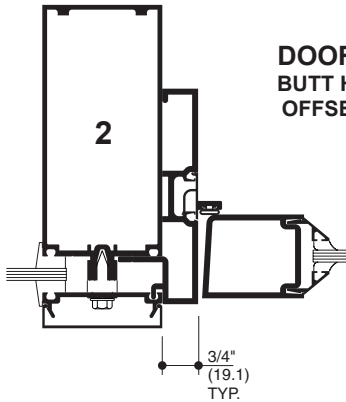
**B/H OR O/P**

**C/H**

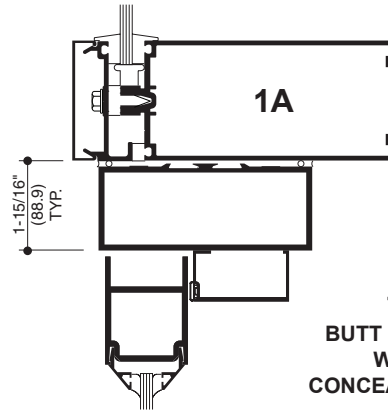
ELEVATION IS NUMBER KEYED TO DETAILS



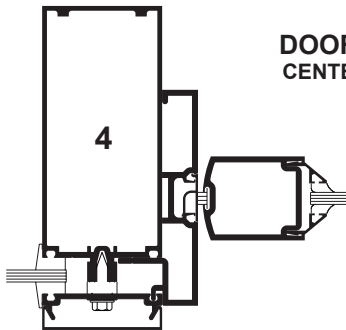
**TRANSOM BAR  
BUTT HUNG OR  
OFFSET PIVOT WITH  
SURFACE CLOSER  
OR FLOOR CLOSER**



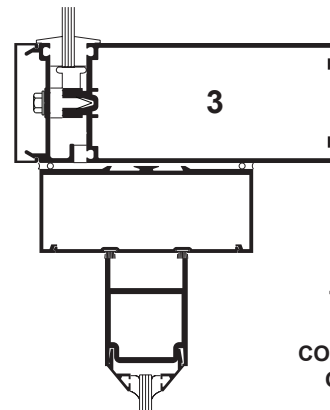
**DOOR JAMB  
BUTT HUNG OR  
OFFSET PIVOT**



**TRANSOM BAR  
BUTT HUNG OR OFFSET PIVOT  
WITH SINGLE ACTING  
CONCEALED OVERHEAD CLOSER**



**DOOR JAMB  
CENTER HUNG**



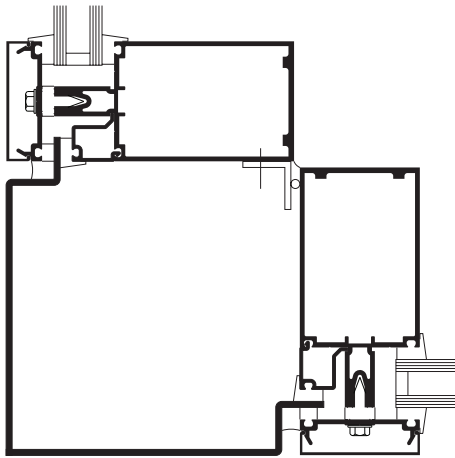
**TRANSOM BAR  
CENTER HUNG  
CONCEALED OVERHEAD  
OR FLOOR CLOSER**

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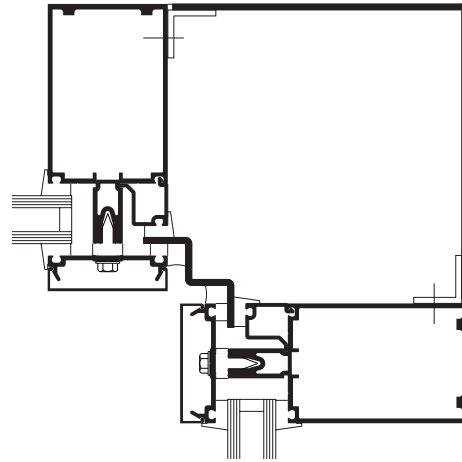
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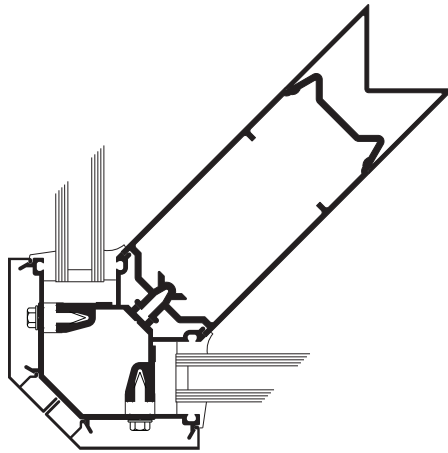
NOTE: 1" SYSTEM SHOWN, 1/4" SYSTEM SIMILAR.



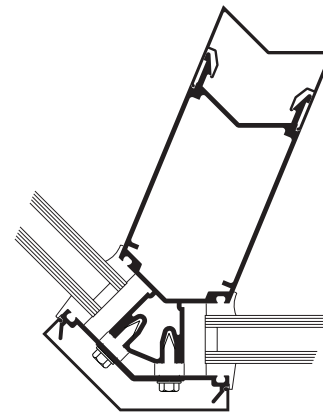
90° OUTSIDE CORNER



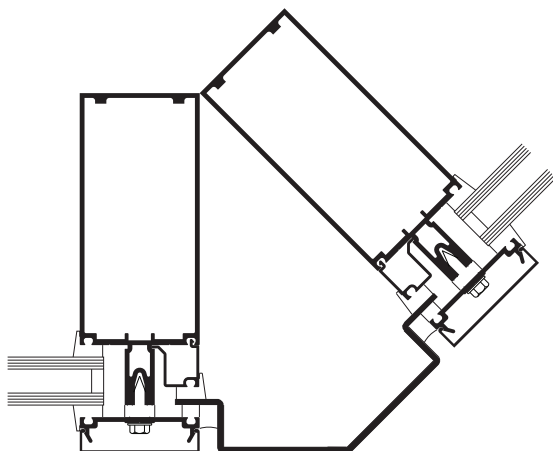
90° INSIDE CORNER



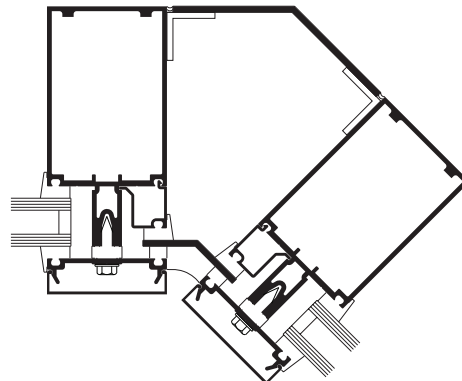
90° OUTSIDE CORNER



135° OUTSIDE CORNER



135° OUTSIDE CORNER

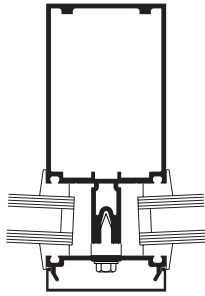


135° INSIDE CORNER

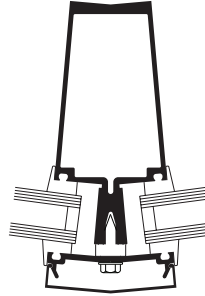
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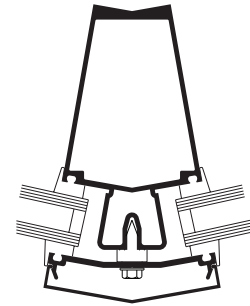
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0° TO 5°

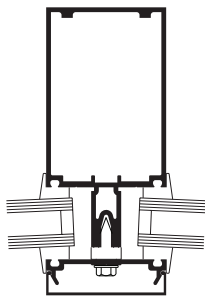


5° TO 15°

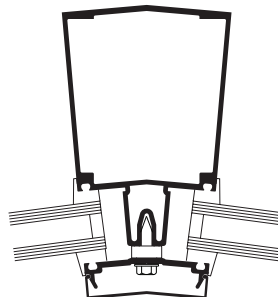


15° TO 25°

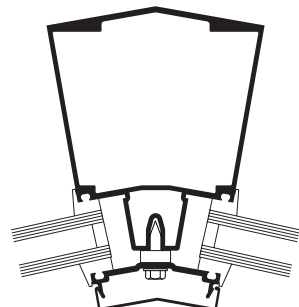
## OUTSIDE SPLAYED MULLIONS



0° TO 5°



5° TO 15°



15° TO 25°

## INSIDE SPLAYED MULLIONS

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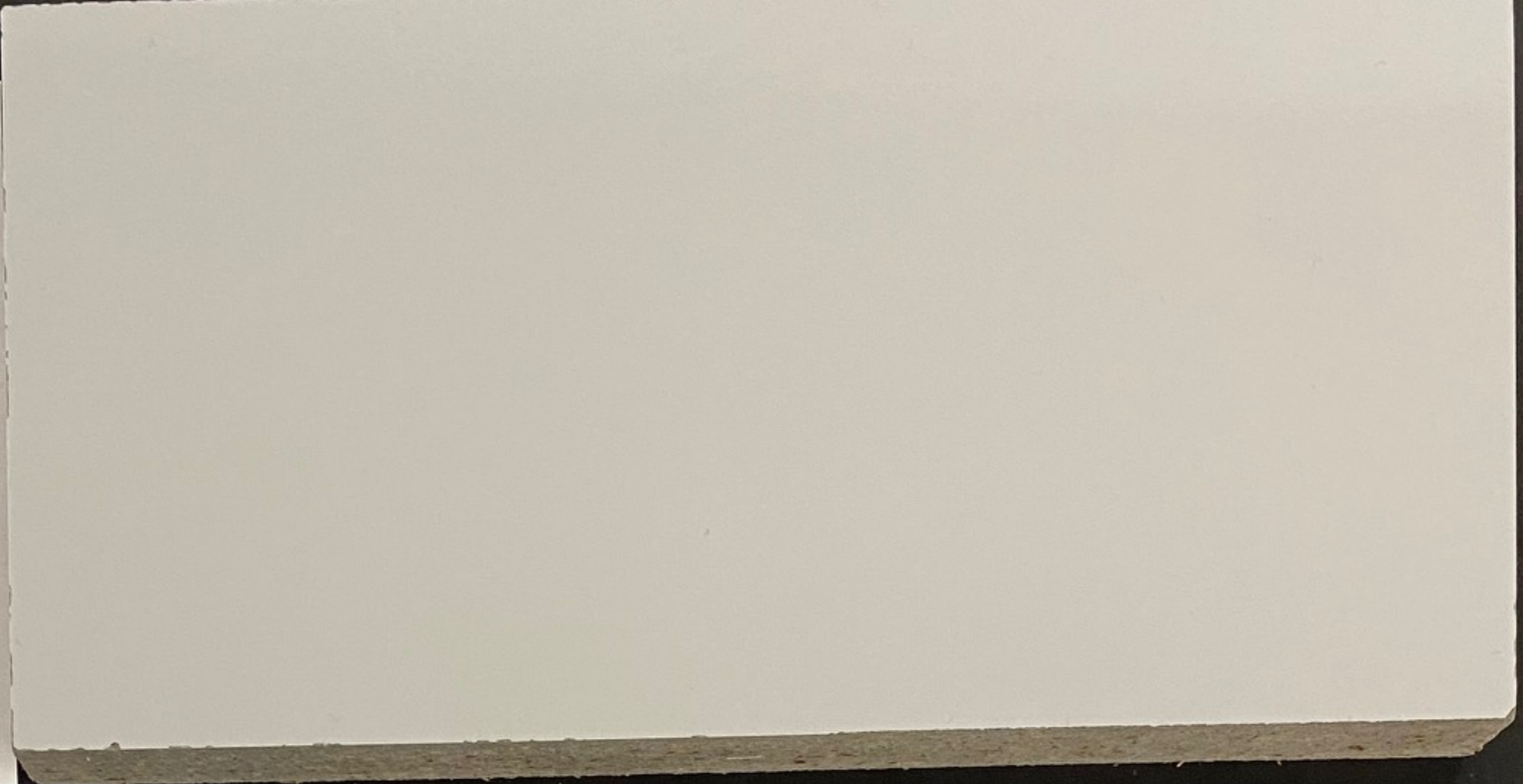




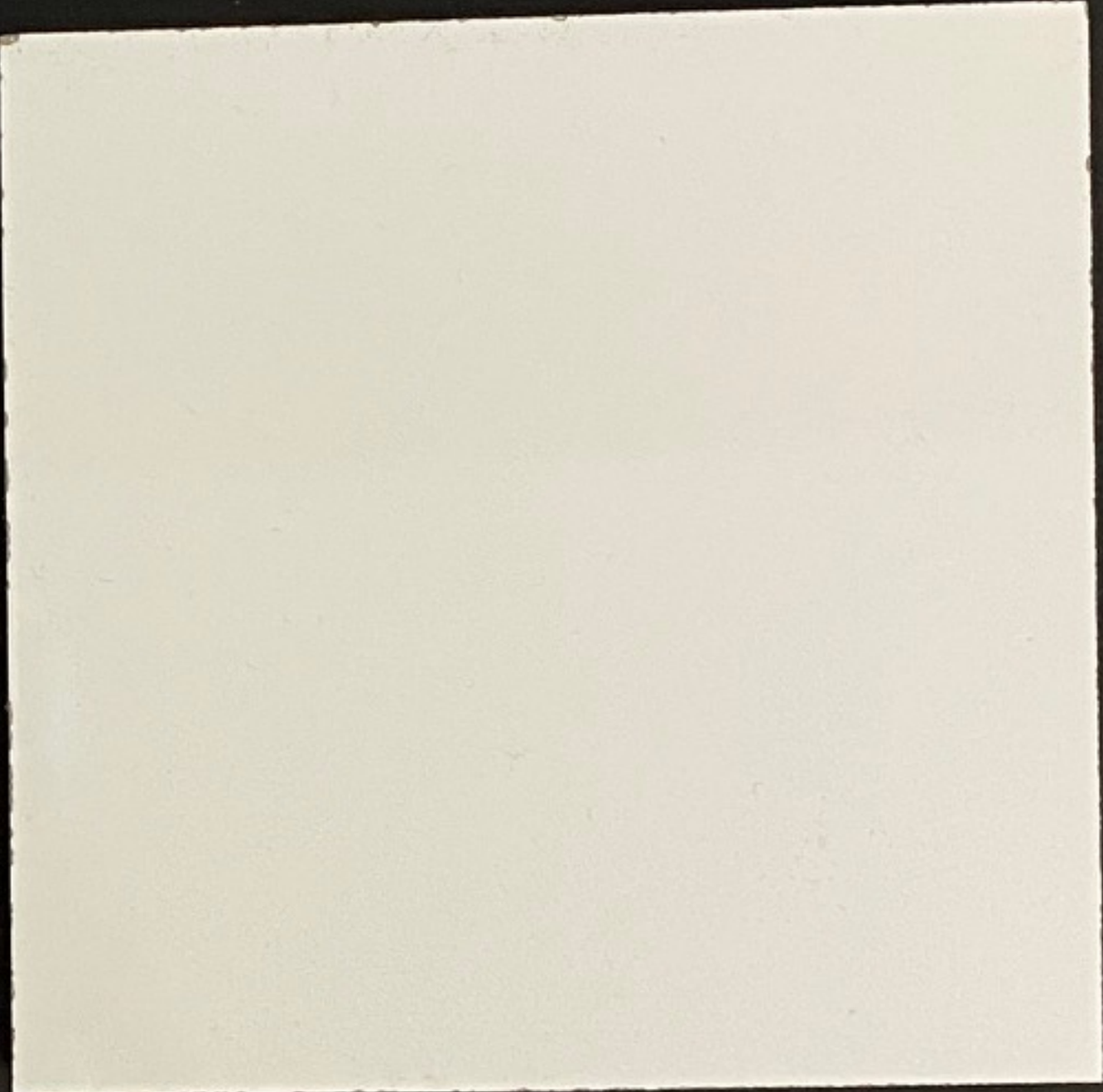




FIBER CEMENT COMPOSITE WALL PANEL  
NICHIIHA, GLOSS PANEL, COLOR: GLACIER



FIBER CEMENT COMPOSITE WALL PANEL  
NICHIIHA, GLOSS PANEL, COLOR: SNOW



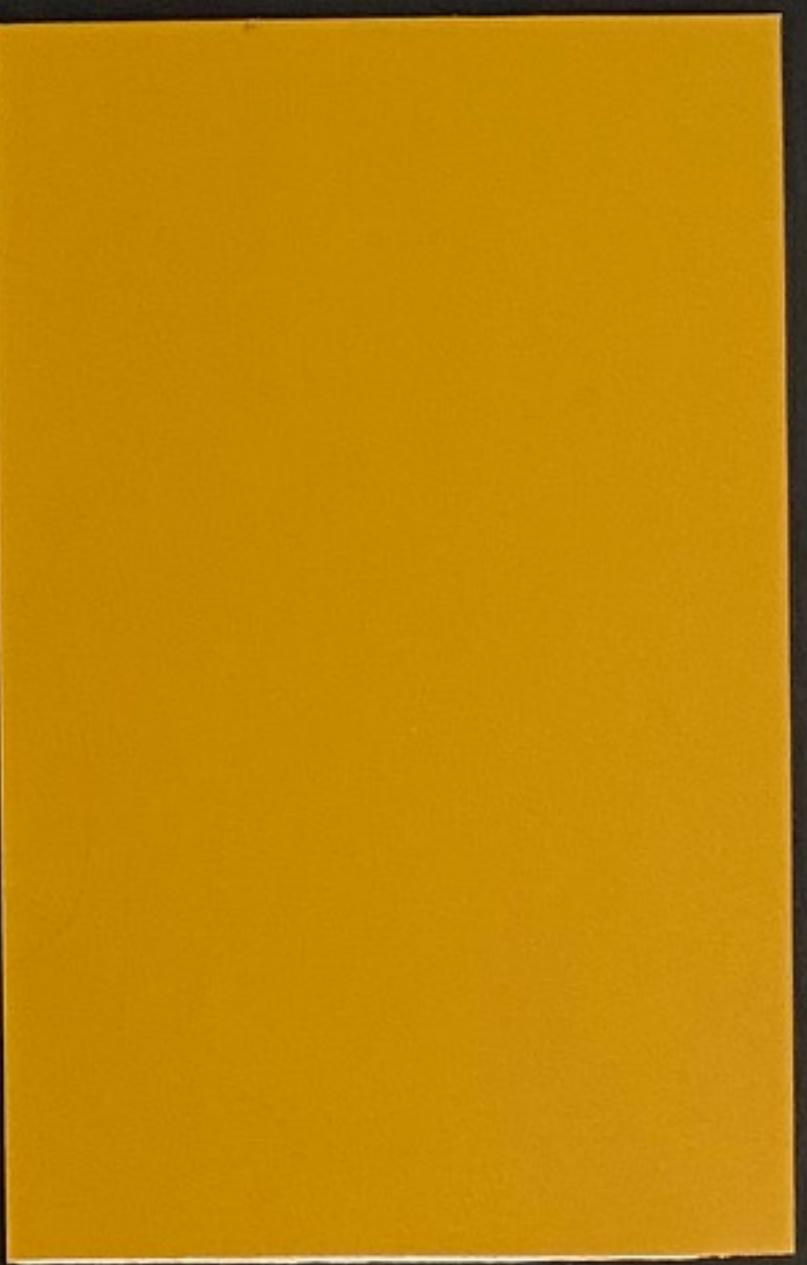
STOREFRONT & CURTAIN WALL COMPOSITE ALUMINUM PANEL



PAINT - SHERWIN WILLIAMS, COLOR: GRIZZLE GRAY



PAINT - SHERWIN WILLIAMS, COLOR: TASSSEL



**LINCOLN BUILDING EXPANSION - REMODEL**

GTC RACINE CAMPUS

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