

BINGHAMTON
UNIVERSITY
STATE UNIVERSITY OF NEW YORK

PHYSICAL FACILITIES

PO Box 6000
BINGHAMTON, NY 13902
(607) 777-3341 - FAX (607) 777-6643

MEMORANDUM

DATE: May 2, 2024

SUBJECT: Addendum # 4
Project #: C071086
Title: East Gym Addition – All Trades

Bid Opening Date: ~~May 8, 2024~~ May 15, 2024 at 2:30pm

Last Day for Questions: May 8, 2024

Please note the following addendum/changes in the bid proposal. All bids received will be in accordance with this addendum. All other specifications, terms and conditions remain the same.

ADDENDUM ITEMS

GENERAL:

1. The substitution request for toilet compartments is rejected. Toilet compartments must be metal.
2. All primes: Refer to Specification 017900 Item 3.3. Professional videography is a requirement. Failure to provide will result in training being rescheduled at the contractor's expense.
3. All primes: All wall, floor, and ceiling penetrations shall be neatly caulked (with paintable caulk by labor experienced in finishing) if not called out to have escutcheons per specifications. Any gap between steel or utilities penetrating a wall, floor or ceiling in areas where visible will be unacceptable. If gap is too large to caulk provide escutcheon whether called out in the specifications or not.
4. All Primes: Failure to correct items listed as a deficiency on Weekly Fire Code Review Reports, Commissioning Reports, and SWPPP Reports as well as failure to perform periodic cleaning per Item 2 of the Special Conditions and provide monthly Construction Progress Schedules per Specification 013200 will result in a delay of approval of the Contractor's monthly progress payments until such items are corrected/provided.
5. All Primes: All exterior roof/wall penetrations required for all trades and utilities to be included in base bid whether specifically called out or not. GC is required to coordinate work of all trades and therefore will be responsible for example but not limited to roof boots, wall patching/infill etc.

6. All primes shall be responsible for all work associated with the contract documents. Failure to coordinate between work of other primes, subcontractors, trades, suppliers, vendors, etc. during the bid process shall not be reason for change orders during the project.
7. GC to provide in-wall blocking per specification section 06105 will be required for all wall-mounted items which includes but is not limited to casework, wall protection, restroom accessories, etc.
8. GC to provide (3) sheets of fire-treated plywood in Data Closet. Location to be selected by BU Telecom and installed by contractor.
9. GC: Fire Extinguishers Cabinets shall be non-locking.
10. Mechanical Contractor shall update the REVIT model(s) with all as-built conditions including but not limited to field directives, change orders, RFI's, changes per submittals, etc. for MEP trades. Electrical and Plumbing contractor to supply Mechanical contractor all required information. This is required for substantial completion per Special Conditions 1D-39 Item 4.
11. Refer to Section 013000 1.7/D/3/a. Absolutely no claim for change in contract sum or claim for extension will be granted should the contractor fail to produce a request for a change in contract sum or request for extension within the time frames stated in this specification.
12. No fuel storage tanks will be allowed on site.
13. Where manufacturers are listed in mechanical specifications under Products the contractor shall select one of one of those manufacturers.
14. **MOISTURE IN CONCRETE PRODUCTS.** For ALL Flooring applications contractor to verify and test concrete substrates to ensure concrete substrates are dry and moisture-vapor emissions are within acceptable levels according to the manufacturer's written instructions. If concrete substrates are not within the acceptable levels and moisture levels cannot be achieved in the time frame for flooring installation contractor shall install manufacturer's recommended moisture mitigation product as part of the contract and at no additional cost to owner.
15. All floors shall slope to their respective floor drains – floors found not sloping to drains will be corrected at contractor's expense.
16. Interior housekeeping pads for ALL mechanical and plumbing equipment to be a minimum of 6" thick. All electrical housekeeping pads to be a minimum of 4" thick. Refer to structural drawings for rebar, anchoring, etc.
17. Caulk shall be provided between all dissimilar materials. Refer to Specification Section 07920.
18. Provide Batt Insulation within all walls surrounding Toilet Rooms Bath Rooms, & Family Rooms.

19. INTERIOR DRYWALL CONTROL JOINTS shall be placed above doors and interior windows on both sides of the opening per USG standards.
20. Paint turnover stock – any open/partially used cans
21. Curtain wall: each vertical mullion shall be supported at first floor steel mid span both east entrance and west entrance.
22. COVE BASE shall be Johnsonite, 6” wall base
23. Elevator basis of design shall be Kone MonoSpace 300 in place of the Kone MonoSpace 500 as stated in the specifications. The preliminary drawings for this project elevator are enclosed in this addendum. A pit ladder and pump grate shall be supplied and installed by the general contractor and coordinated with the elevator manufacturer.
24. Weather-stripping, Door Seals, Sweeps, and Thresholds shall be provided on all exterior doors.
25. All doors shall be prepped for carders. A raceway shall be supplied from the center hinge pocket to the lockset. A conduit shall be installed from center hinge to above ceiling or under side of deck.
26. At overhead door locations. ½” THK. CONT. PL Hot Dipped Galv. also runs down both sides of the door opening at each door.
27. Door hardware turnover stock:
 - 12 door hinges
 - 2 crash bars
 - 2 door closers
 - 2 door frames (knock down)
 - 2 handicap push button operators
28. 4” CMU shall have Durawall joint reinforcing every 16” and stainless-steel ties every 24” vertically and 32” horizontally. See revised exterior elevations on A5.00 for control joints and see detail 2/S7.004 for relief angle
29. All exterior stud walls shall be clipped to steel at first floor and roof.
30. Wood Blocking at roof and exterior walls shall be pressure treated.
31. EPDM roofing shall be installed as called out in spec with a ½” glass mat substrate board and a ½” glass mat cover board. Pressure treated wood block shall be installed at all roof edges and on top of exterior walls.
32. Exit sign at vestibule shall be photoluminescent exit signs or glow in the dark exit signs with UL 924 Listing
33. All exit signs to be green.

CONTRACTOR QUESTIONS:

1. **Question:** Refer to A3.100, Equipment Room G20, has a note “overhead Door” pointing to the door on the exterior of the building. Looking at revised door schedule released in addendum 3, it is listed as door type “G” which is (2) HM doors with lites. Please advise as to what this door should be.

Answer: G20 is door type I.

2. **Question:** The bid forms have a space for allowance but we have not located any allowances in the specs for the PC or MC, can you confirm if there are allowances for those contracts and if so how much for each?

Answer: There are no allowances for PC, MC or EC contracts.

3. **Question:** Per 011200-1.5-D GC is responsible for temporary heating, cooling, ventilation. Later on in 011200-1.7B2 it mentions temporary heat provided by the HVAC contract. Please confirm GC is responsible for temporary, heat, cooling, and ventilation.

Answer: GC is responsible for temporary heating, cooling, ventilation, sanitary and site fencing. These must be provided for duration of project. Temporary electric and lighting to be provided by EC.

4. **Question:** Please confirm GC is to provide temporary bridge for entirety of project from breaking ground to substantial completion.

Answer: This was addressed in addendum 3.

DRAWINGS:

1. A3.102 – Ground Floor Plan South

- a. Changed wall type for elevator shaft from wall type A to wall type B.

2. A3.202 – First Floor Plan South

- a. Changed wall type for elevator shaft from wall type A to wall type B.

3. A4.100 – Ground Floor Ceiling Plan

- a. Remove gypsum ceiling in Vestibule G00A.
- b. Remove ACT ceiling in Vestibule G00D.

4. A5.100 – Exterior Elevations

- a. 1/A5.100, 2/A5.100, 3/A5.100, 4/A5.100 – addition of control joints for PAC Clad Panel

5. A8.200 – Interior Elevations

- a. Revision to scoreboard note.

6. A9.101 – Room Finish Schedule

- a. Add PT-3 to finish types
- b. Room Finish Schedule:
 - i. Changed ceiling type and finish for Vestibule G00A & G00D
 - ii. Changed finish for all areas with exposed ceiling
 - iii. Changed concrete type from conc-2 to conc-1 in Mech room G07, Electric Room G09A, Mech Room G09B, Equipment Room G09C, and Equipment G20

7. A9.200 - Door Schedule and Details

- a. 1/A9.200 – addition of Type J head and jamb detail
- b. Door Schedule – addition of door G00B.1

SPECIFICATIONS:

ATTACHED DOCUMENTS:

1. KONE Prelim. 2D Shops – MonoSpace300

Specifications:

Drawings:

2. A3.102 – Ground Floor Plan South
3. A3.202 – First Floor Plan South
4. A4.100 – Ground Floor Ceiling Plan
5. A5.100 – Exterior Elevations
6. A8.200 – Interior Elevations
7. A9.101 – Room Finish Schedule
8. A9.200 – Door Schedule and Details

End of Addendum

Site Information

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ELEVATOR GROUP INFORMATION

ELEVATOR 1	
MODEL	MONOSPACE 300
CAPACITY	2000#
SPEED	150 FPM
TOTAL TRAVEL	15'-0"
LOADING TYPE	PASSENGER
FRONT DOOR TYPE	LEFT OPENING
REAR DOOR TYPE	N/A
CONTROL SPACE	ICS

CAB OVERVIEW

ELEVATOR 1	
CAB SHELL HEIGHT	7'-6"
SIDE WALL FINISH	AMBER CHERRY APPLIED LAMINATE
REAR WALL FINISH	AMBER CHERRY APPLIED LAMINATE
CEILING TYPE	ROUND LED SPOTLIGHTS, 441 BRUSHED STAINLESS
HANDRAIL	FLAT - 441 BRUSHED STAINLESS (SIDE/REAR)
FLOOR WEIGHT	3.0 LBS/SQ FT
FLOOR THICKNESS	1/2"

FLOOR SCHEDULE

FLOOR	FRONT FLOOR MARK	REAR FLOOR MARK	FLOOR ELEVATION	FLOOR TO FLOOR	ELV 1 FRONT	ELV 1 REAR
2	2		15'-0"		X	--
1	*1		0"	15'-0"	M	--

X = SERVED
-- = NOT SERVED
M = MAIN FLOOR



BUILDING INFORMATION

BUILDING VOLTAGE: 208 V
SEISMIC?: NO
BUILDING CODE: IBC 2018
ELEVATOR CODE: ASME_A17.1-2016
STATE CODE: NEW YORK

PRELIMINARY - NOT FOR CONSTRUCTION

ELEVATIONS OR FLOOR MARKINGS OF THE FOLLOWING MUST BE NOTED WHEN APPLICABLE.

DESIGNATION	FLOOR MARKING
MAIN ELEVATION LOBBY	<cell>
FIRE SERVICE RETURN	*1
ALTERNATE FIRE SERVICE RETURN	*1
EMERGENCY POWER RETURN	2
FLOOD RETURN LANDING	N/A

APPROVED BY

APPROVAL SPACE

PROJECT:
Binghamton University East Gym
BUILDING: Building 1 GROUP: Group 1
LOCATION:

ENG/ARCH:

CONTRACTOR:
Physical Facilities Department

UNIT INFO	ITEM NO.	NETWORK NO.	EQUIPMENT NO.
REVISIONS			
2024-04-02	-	HAR	PRELIMINARY
DATE	NO	BY	CK
			DESCRIPTION

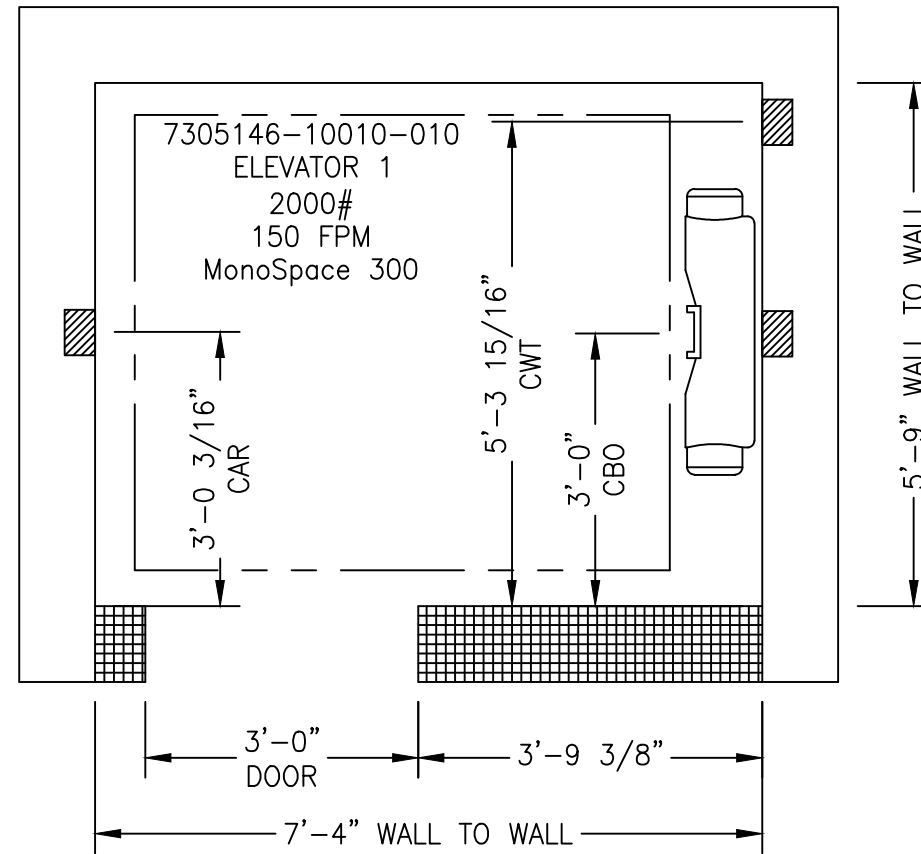
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GENERATED ON: 04/02/24	BY: HSI	REV
UNITS: IMPERIAL	201-23.2	-
DRAWING M-7305146-10010	DESCRIPTION TOC	SHEET 1 of 19

NOTES:

A. MINIMUM REQUIRED HORIZONTAL AND VERTICAL ROUGH OPENINGS FOR EACH LANDING ARE DETAILED ON ENTRANCE DRAWINGS.



FOR REFERENCE ONLY:
 BRACKET CENTERLINE DIMENSIONS (LANDING #2).
 SEE BRACKET SHEET FOR ALL CENTERLINE DIMENSIONS.

CAR = CAR BRACKET CENTERLINE
 CWT = COUNTERWEIGHT BRACKET CENTERLINE
 CBO = COMBINATION BRACKET CENTERLINE (DIMENSION
 MAY DIFFER SLIGHTLY FROM CAR BRACKET)

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APPROVAL SPACE

PROJECT:
 Binghamton University East Gym
 BUILDING: Building 1 GROUP: Group 1
 LOCATION:

ENG/ARCH:

CONTRACTOR:
 Physical Facilities Department

UNIT	ITEM NO.		NETWORK NO.		EQUIPMENT NO.	
INFO						
REVISIONS	2024-04-02	-	HAR			PRELIMINARY
	DATE	NO	BY	CK		DESCRIPTION

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DRAWING M-7305146-10010	DESCRIPTION GROUP LAYOUT	SHEET 2 of 19

COORDINATION PAGE FOR SHAFT DIMENSIONS. SEE SPECIFIC PAGES FOR FURTHER DETAILS.

T-0007305146-10010-010
 Monospace 300
 ELEVATOR 1
 2000#
 150 FPM

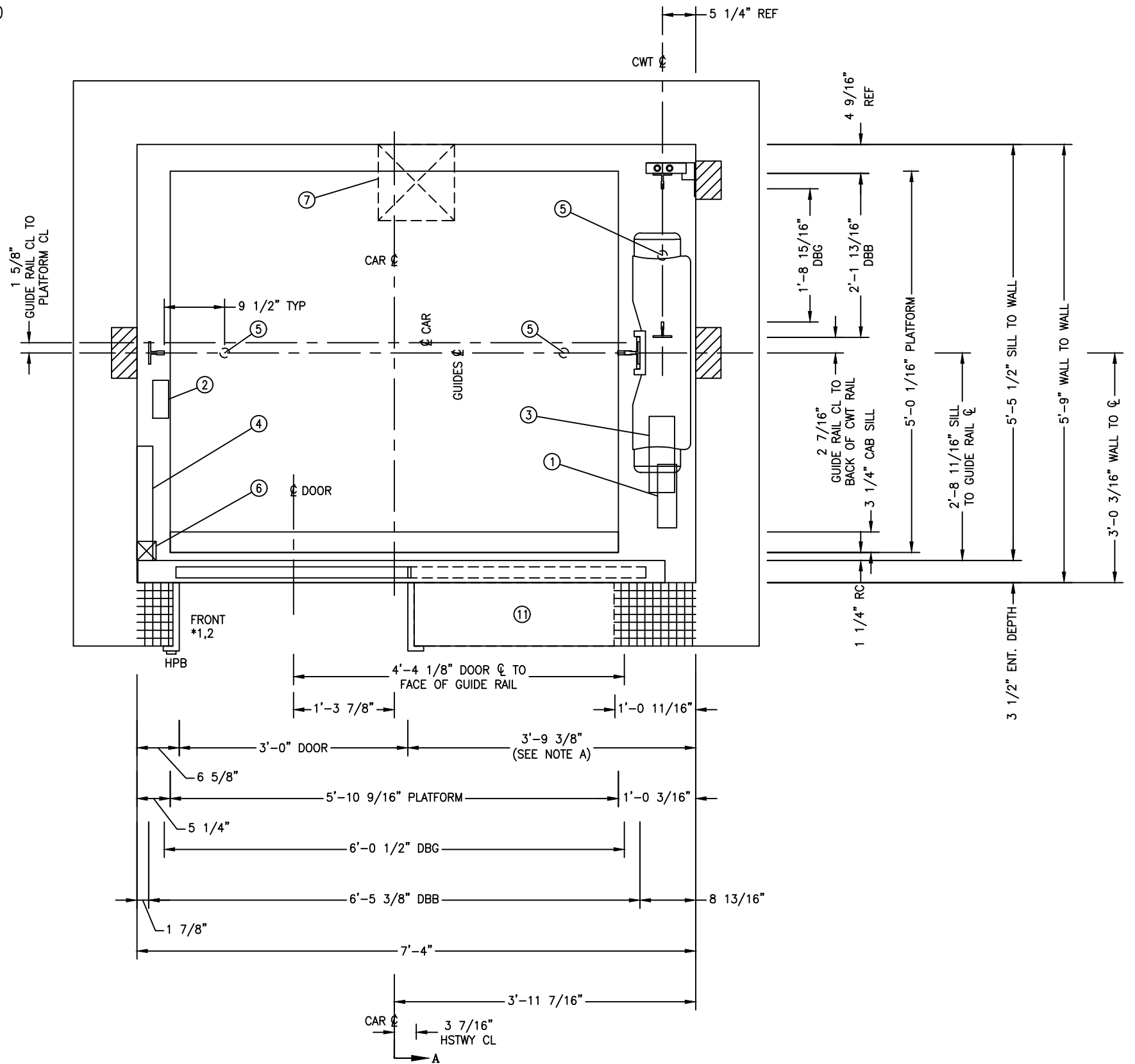
- NOTES:
- A. MINIMUM REQUIRED HORIZONTAL AND VERTICAL ROUGH OPENINGS FOR EACH LANDING ARE DETAILED ON ENTRANCE DRAWINGS.
 - B. GOVERNOR TO BE POSITIONED WITH ELECTRICAL BOXES TOWARDS CAR SIDE AND ENCODER TOWARDS FRONT SIDE.
 - C. TERMINATE WIRE DUCT 48in [1220mm] ABOVE LOWEST LANDING. PIT LADDER TO BE POSITIONED DIRECTLY BELOW DUCT.
 - D. REFER TO DATA SHEET FOR FURTHER DETAILS CONCERNING ALLOWABLE CLEAR HOISTWAY TOLERANCES.
 - E. MINIMUM CLEAR HOISTWAY WIDTH SHOWN. CONTACT KONE FOR MAXIMUM ALLOWABLE CLEAR HOISTWAY.
 - F. ALL CAR AND CWT RAIL BRACKETS ATTACH TO SIDE HOISTWAY WALLS.
 - G. FILLER BIT HEIGHTS ARE BASED ON A COMPLETE CAB INSTALLATION.
 - H. CONTROLLER TO ALWAYS BE INSTALLED ON TOP LANDING WITH REQUIREMENT OF WALL THICKNESS. MIN 8.27IN AND MAX 29IN.

INSTALLATION NOTES: ELEVATOR 1

1. E DIM = 6'-10 5/16"
 NOTE: E DIM MEASURED FROM CORNER OF NOSE OF CWT RAIL TO CORNER OF NOSE OF CAR RAIL.
2. DBG TELESCOPE POLE SETTINGS = 6'-6 13/16"
3. BALANCE WEIGHTS: 0 LBS QTE: 0
4. TRACTION WEIGHTS: 0 LBS QTE: 0

FILLER WEIGHT BLOCKS HT: 4'-8" IN
 FILLER WEIGHT LEGOS HT: 4" IN

APPROVED BY			
APPROVAL SPACE			
PROJECT: Binghamton University East Gym			
BUILDING: Building 1		GROUP: Group 1	
LOCATION:			
ENG/ARCH:			
CONTRACTOR: Physical Facilities Department			
U N I T			
I N F O			
R E V I S I O N S	ITEM NO.	NETWORK NO.	EQUIPMENT NO.
2024-04-02	-	HAR	PRELIMINARY
DATE	NO	BY	CK
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KONE			
GENERATED ON: 04/02/24		BY: HSI	REV: -
UNITS: IMPERIAL		201-23.2	
DRAWING: M-7305146-10010-010	DESCRIPTION: HOISTWAY	SHEET: 3 of 19	

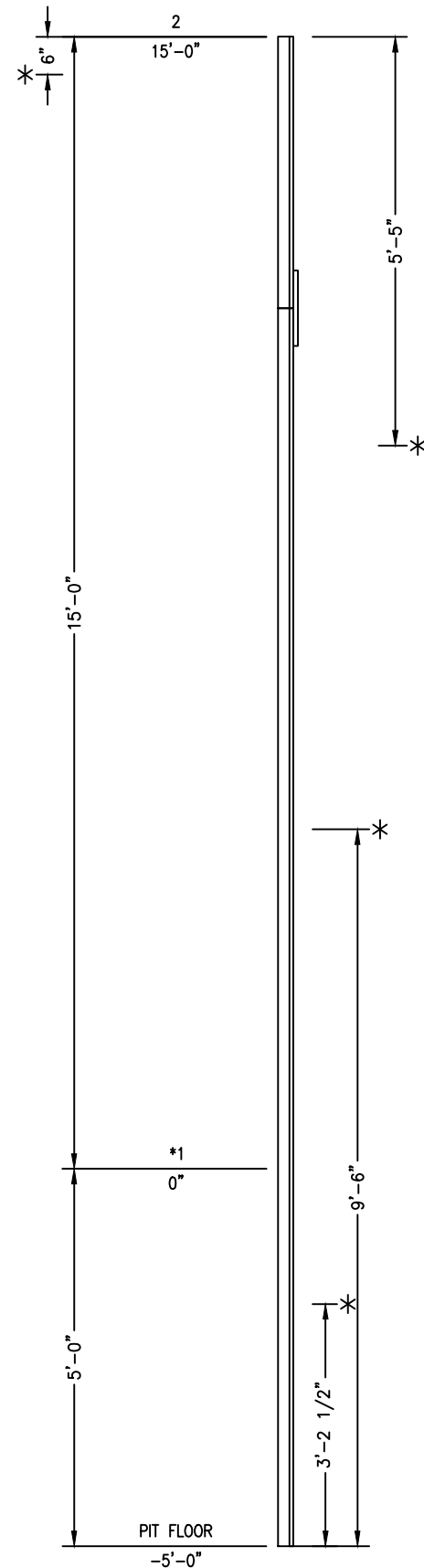


- ① TRAVELING CABLE
- ② DEAD-END HITCH
- ③ CAR GOVERNOR / TENSION WT ASSEMBLY (SEE NOTE B).
- ④ PIT LADDER (KONE SUPPLIED/INSTALLED)
 MIN. CLEARANCE FROM FRONT WALL:
 SS/CO 8.25"[210mm], 2S 10.25"[260mm].
- ⑤ TYP BUFFER LOCATION / SEE GENERAL DATA SHEET FOR REACTIONS
- ⑥ WIRE DUCT (SEE NOTE C)
- ⑦ RECOMMENDED SUMP PUMP LOCATION (IF REQUIRED)
- ⑪ CONTROLLER - TOP FLOOR ONLY

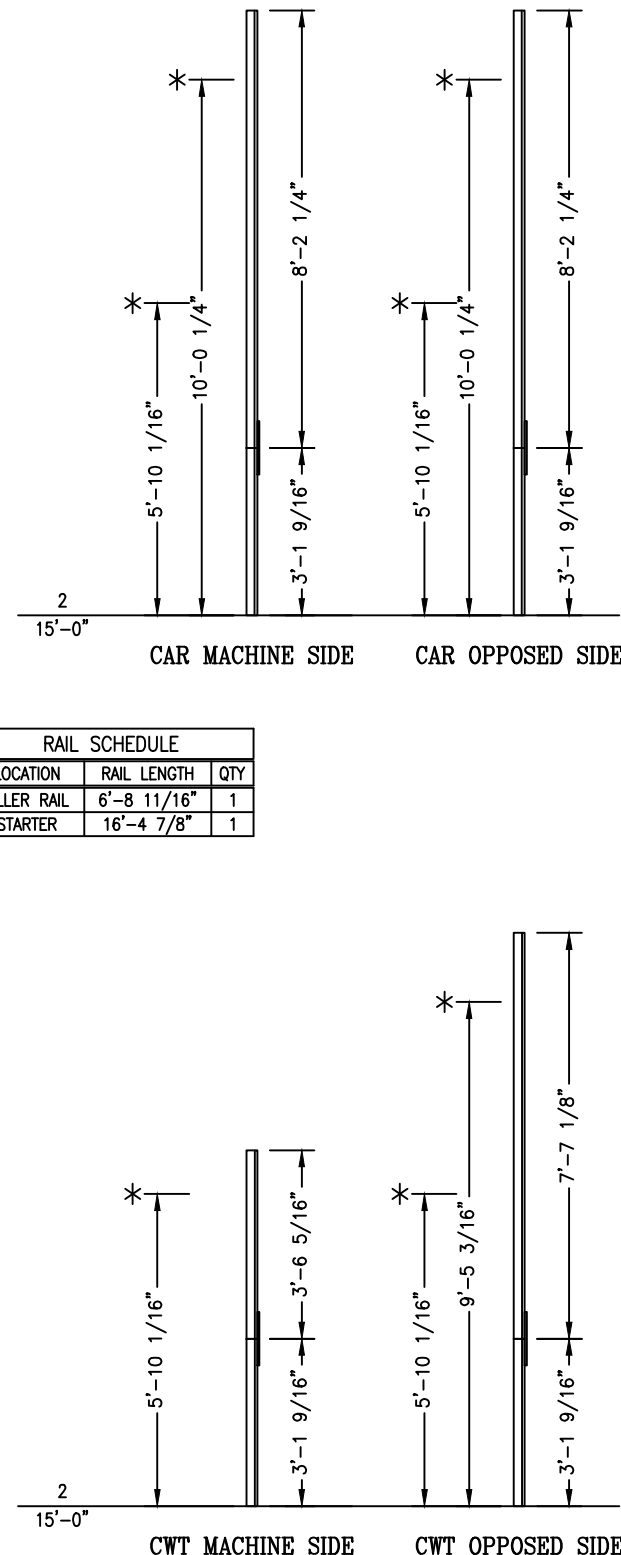
FOR APPROVAL - NOT FOR CONSTRUCTION

T-0007305146-10010-010
 Monospace 300
 ELEVATOR 1
 2000#
 150 FPM

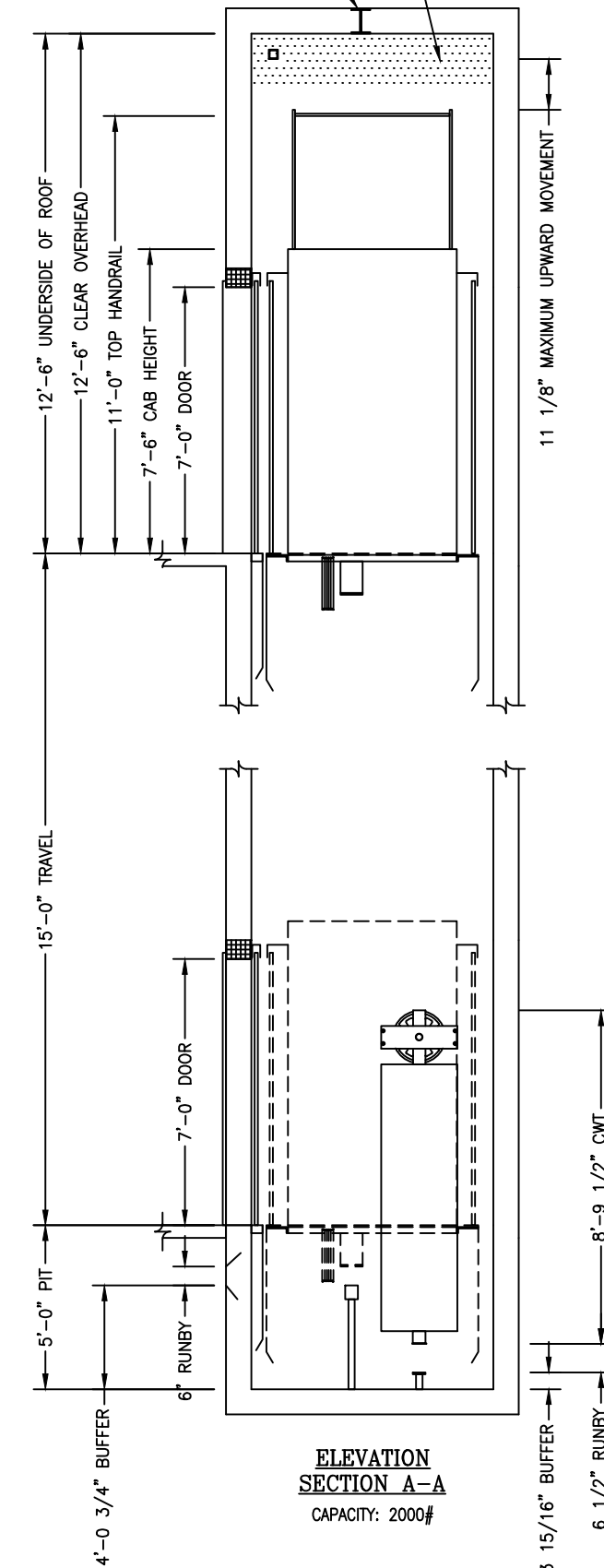
FLOOR SCHEDULE			
FLOOR NO.	FRONT	REAR	DISTANCE
2	2		
1	*1		15'-0"



RAIL SCHEDULE		
LOCATION	RAIL LENGTH	QTY
FILLER RAIL	6'-8 11/16"	1
STARTER	16'-4 7/8"	1



ACCEPTABLE FAID LOCATION. SEE CODE COMPLIANCE AND REQUIREMENTS, NOTE 37.
 8in. HOIST BEAM. SEE KONE REP. FOR HOIST BEAM DETAILS



** DENOTES CENTER LINE OF BRACKETS.
 BRACKET SUPPORTS ARE REQUIRED AT THESE POINTS.

COUNTERWEIGHT SAFETIES HAVE NOT BEEN PROVIDED.
 KONE IS NOT AWARE OF ANY ACCESSIBLE SPACE BELOW THE PIT.

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APPROVAL SPACE

PROJECT:
 Binghamton University East Gym
 BUILDING: Building 1 GROUP: Group 1
 LOCATION:

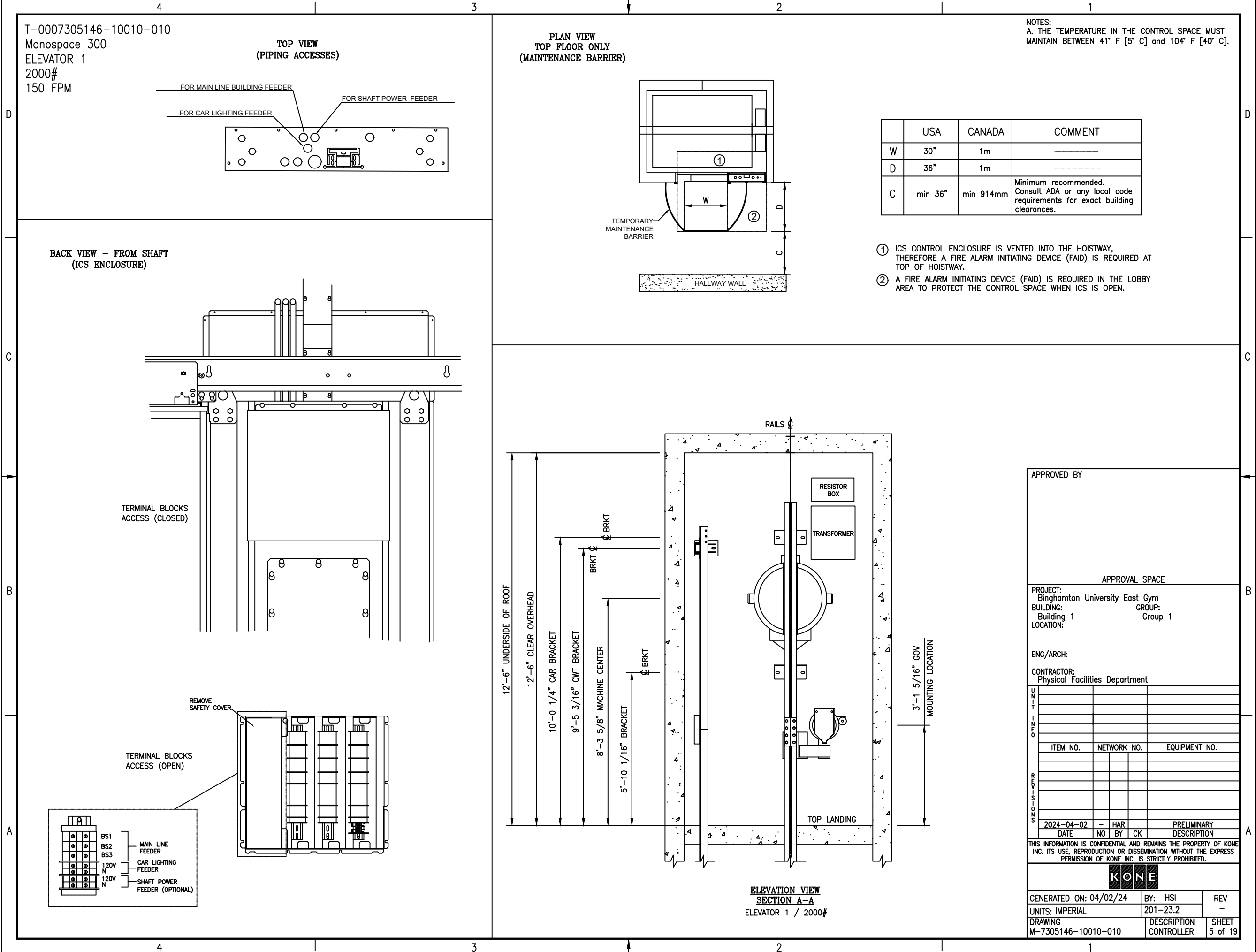
ENG/ARCH:
 CONTRACTOR:
 Physical Facilities Department

DATE	NO	BY	CK	DESCRIPTION
2024-04-02	-	HAR		PRELIMINARY

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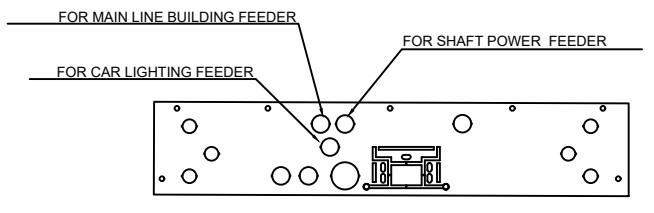


GENERATED ON: 04/02/24	BY: HSI	REV: -
UNITS: IMPERIAL	201-23.2	
DRAWING: M-7305146-10010-010	DESCRIPTION: RAILSTACK	SHEET: 4 of 19

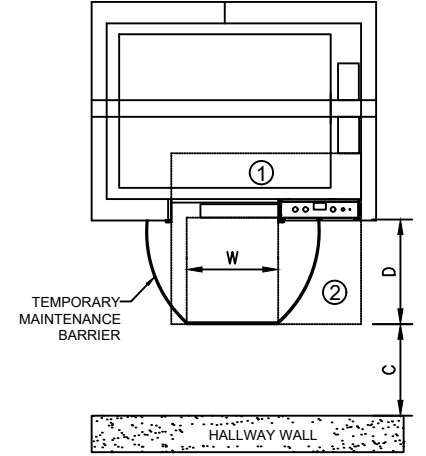


T-0007305146-10010-010
 Monospace 300
 ELEVATOR 1
 2000#
 150 FPM

TOP VIEW
 (PIPING ACCESSES)



PLAN VIEW
 TOP FLOOR ONLY
 (MAINTENANCE BARRIER)

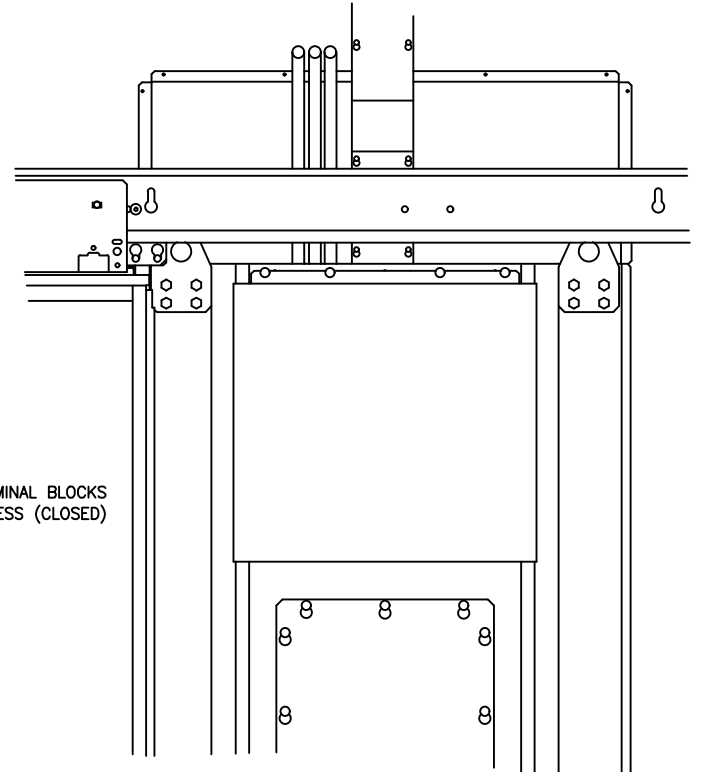


NOTES:
 A. THE TEMPERATURE IN THE CONTROL SPACE MUST MAINTAIN BETWEEN 41° F [5° C] and 104° F [40° C].

	USA	CANADA	COMMENT
W	30"	1m	_____
D	36"	1m	_____
C	min 36"	min 914mm	Minimum recommended. Consult ADA or any local code requirements for exact building clearances.

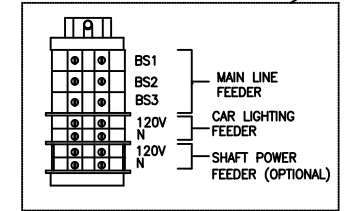
- ① ICS CONTROL ENCLOSURE IS VENTED INTO THE HOISTWAY, THEREFORE A FIRE ALARM INITIATING DEVICE (FAID) IS REQUIRED AT TOP OF HOISTWAY.
- ② A FIRE ALARM INITIATING DEVICE (FAID) IS REQUIRED IN THE LOBBY AREA TO PROTECT THE CONTROL SPACE WHEN ICS IS OPEN.

BACK VIEW - FROM SHAFT
 (ICS ENCLOSURE)

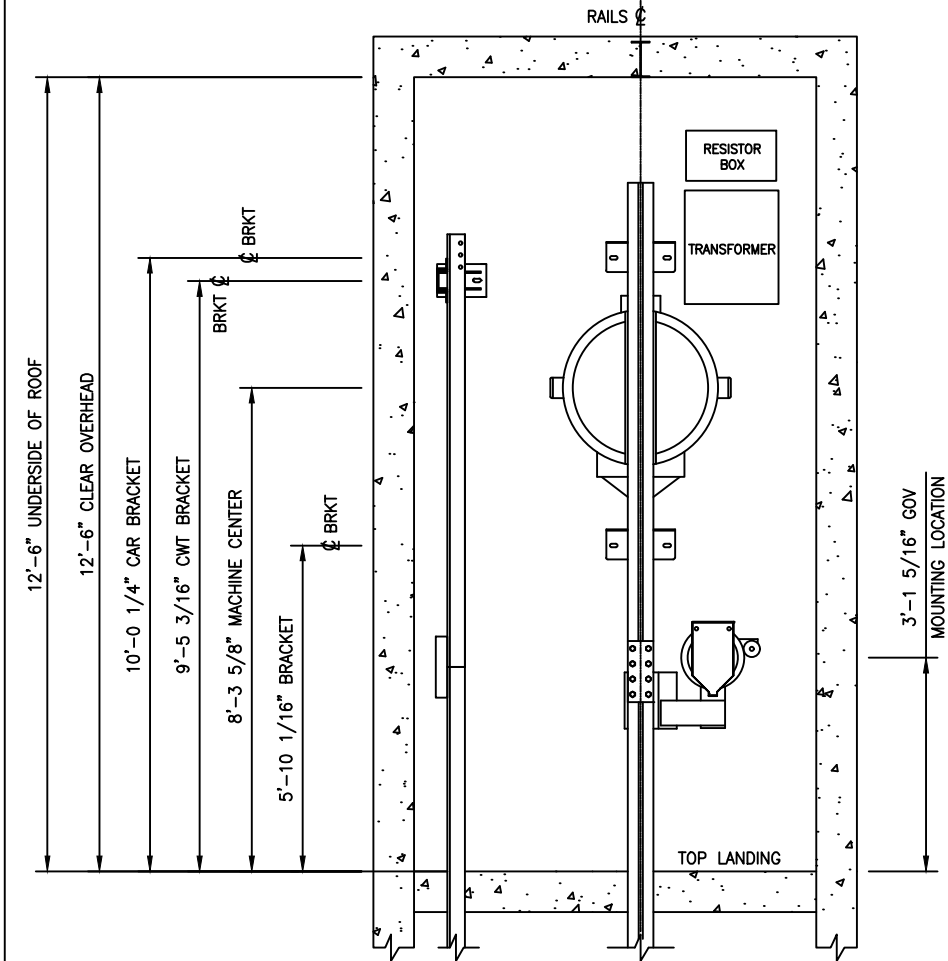


TERMINAL BLOCKS
 ACCESS (CLOSED)

TERMINAL BLOCKS
 ACCESS (OPEN)



REMOVE SAFETY COVER



ELEVATION VIEW
 SECTION A-A
 ELEVATOR 1 / 2000#

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APPROVAL SPACE

PROJECT:
 Binghamton University East Gym
 BUILDING: Building 1 GROUP: Group 1
 LOCATION:

ENG/ARCH:

CONTRACTOR:
 Physical Facilities Department

UNIT NO.	NETWORK NO.	EQUIPMENT NO.

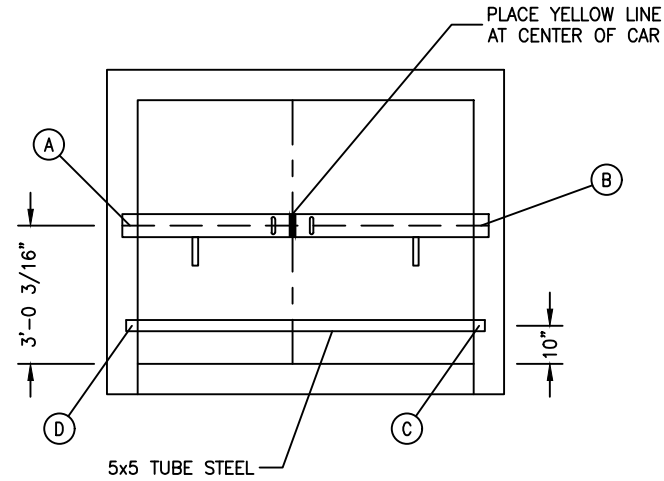
2024-04-02 HAR PRELIMINARY
 DATE NO BY CK DESCRIPTION

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UNITS: IMPERIAL	201-23.2	-
DRAWING	DESCRIPTION	SHEET
M-7305146-10010-010	CONTROLLER	5 of 19

T-0007305146-10010-010
 Monospace 300
 ELEVATOR 1
 2000#
 150 FPM



LIFELINE PULL ROPE MUST BE LOOPED AROUND 5X5 [127X127] TUBE STEEL, FREELY MOVING, AND POSITIONED IN THE CENTER OF THE OPENING TO ENABLE INSTALLATION OF LIFELINES.

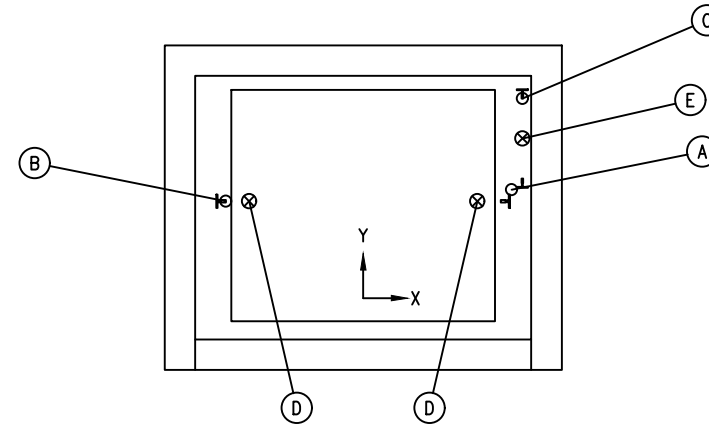
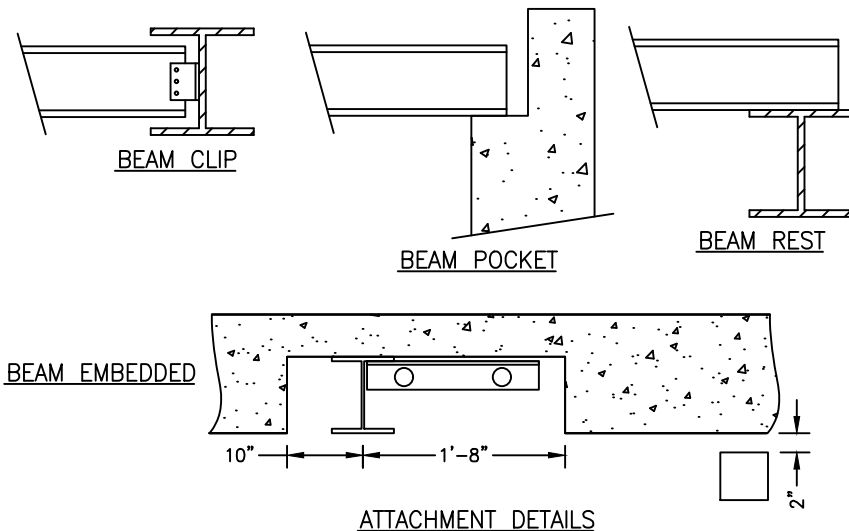
BUILDING LOADS FOR HOISTING BEAM & TUBE STEEL SUPPORT

FOR ADJACENT HOISTWAYS COMBINED LOADS ON A COMMON STRUCTURAL SUPPORT SHOULD BE TAKEN INTO CONSIDERATION. REACTIONS SHOWN BELOW ARE FOR THIS ELEVATOR ONLY. THE REACTION LOADS BELOW ARE ASD LEVEL & UNFACTORED.

PLANVIEW IS AT TOP OF OVERHEAD LOOKING DOWN ON THE BEAMS. ALL U-BOLTS HANG DOWN TOWARDS THE PIT FLOOR. SEE BRACKET SHEET FOR THE ELEVATION OF SUPPORTS.

VERTICAL FORCES* (lbf)				
REACTION LOCATION	A	B	C	D
Z DIRECTION	5610	4840	5000	5000

*REACTIONS A AND B ARE SIZED TO SUPPORT THE MAXIMUM WORKING LOAD OF THE INSTALLATION HOIST. REACTIONS D AND C SUPPORT FALL ARREST LIFELINES PER OSHA MINIMUM SUPPORT LOADS. REACTIONS A & B MAY BE CONSIDERED TO OCCUR SEPARATELY FROM C & D.



GUIDE RAIL REACTIONS*

FOR ADJACENT HOISTWAYS COMBINED LOADS ON A COMMON STRUCTURAL SUPPORT SHOULD BE TAKEN INTO CONSIDERATION. REACTIONS SHOWN BELOW ARE FOR THIS ELEVATOR ONLY. THE REACTION LOADS BELOW ARE ASD LEVEL & UNFACTORED.

NON-SEISMIC REACTIONS

BRKTS ABOVE TOPMOST LANDING - IMPACT LOADING REACTIONS (lbf)			
REACTION LOCATION	A	B	C
X DIRECTION	690	150	50
Y DIRECTION	260	910	100
MAX STRESS NOT TO EXCEED 27,500psi DUE TO APPLIED LOADS			

BRKTS BELOW TOPMOST LANDING - RUNNING REACTIONS (lbf)			
REACTION LOCATION	A	B	C
X DIRECTION	200	150	50
Y DIRECTION	170	70	100
MAX DEFLECTION NOT TO EXCEED 0.125" DUE TO APPLIED LOADS			

*Governor system related loads are included in the rail reactions.

PIT FLOOR REACTIONS**

VERTICAL FORCES ONTO PIT FLOOR (lbf)					
REACTION LOCATION	A	B	C	D	E
Z DIRECTION	9500	4500	2300	7800	11800

**VERTICAL REACTIONS A, B & C OCCUR SIMULTANEOUSLY. VERTICAL REACTIONS D and E OCCUR INDIVIDUALLY AND SEPARATELY FROM A B and C.

SEISMIC DESIGN CRITERIA

BUILDING CODE: IBC
 SEISMIC DESIGN REQUIRED: NO
 DESIGN CATEGORY: A

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APPROVAL SPACE

PROJECT:
 Binghamton University East Gym
 BUILDING: Building 1 GROUP: Group 1
 LOCATION:

ENG/ARCH:

CONTRACTOR:
 Physical Facilities Department

UNIT INFO	ITEM NO.	NETWORK NO.	EQUIPMENT NO.

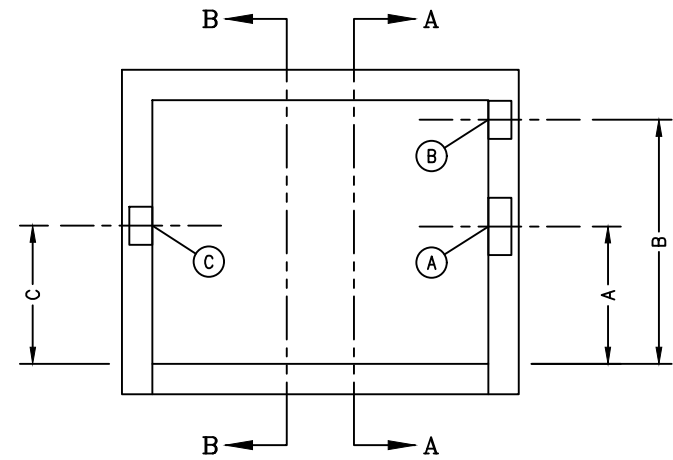
REVISIONS	DATE	NO	BY	CK	DESCRIPTION
	2024-04-02	-	HAR		

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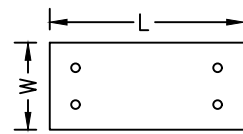
KONE

GENERATED ON: 04/02/24	BY: HSI	REV
UNITS: IMPERIAL	201-23.2	-
DRAWING M-7305146-10010-010	DESCRIPTION REACTION	SHEET 6 of 19

T-0007305146-10010-010
 Monospace 300
 ELEVATOR 1
 2000#
 150 FPM

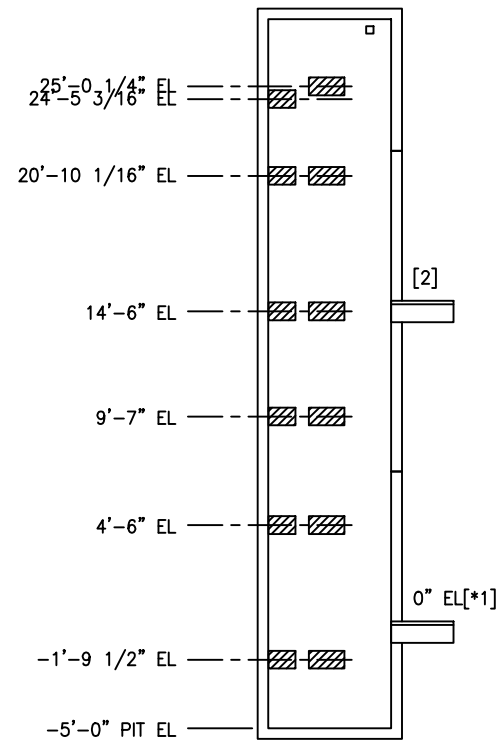


BRACKET ATTACHMENT LOCATIONS



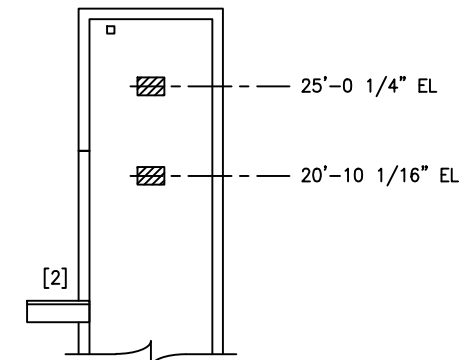
NOTE:
 GUIDE RAIL BRACKET ATTACHMENT PLATE
 FOOTPRINT IS SHOWN FOR REFERENCE ONLY.
 HOLE CONFIGURATION SUBJECT TO CHANGE
 BASED ON CONNECTION INTERFACE MATERIAL.

LOCATION	BRACKET TYPE	ATTACHMENT TYPE	PART NUMBER	L	W	POSITION	
OVERHEAD	A	COMBO	EXP. ANCHOR, CMU	KM51514637V000	9 1/16	3 3/16	3'-0"
	B	CWT	EXP. ANCHOR, CMU	KM51514639V000	5 5/16	3 9/16	5'-3 15/16"
	C	CAR	EXP. ANCHOR, CMU	KM51719268V001	14	4 1/2	3'-0 3/16"
FLOOR 2	A	COMBO	EXP. ANCHOR, CMU	KM51514637V000	9 1/16	3 3/16	3'-0"
	B	CWT	EXP. ANCHOR, CMU	KM51514639V000	5 5/16	3 9/16	5'-3 15/16"
	C	CAR	EXP. ANCHOR, CMU	KM51719268V001	14	4 1/2	3'-0 3/16"
INTERMEDIATE 1&2	A	COMBO	EXP. ANCHOR, CMU	KM51514637V000	9 1/16	3 3/16	3'-0"
	B	CWT	EXP. ANCHOR, CMU	KM51514639V000	5 5/16	3 9/16	5'-3 15/16"
	C	CAR	EXP. ANCHOR, CMU	KM51719268V001	14	4 1/2	3'-0 3/16"
FLOOR 1	A	COMBO	EXP. ANCHOR, CMU	KM51514637V000	9 1/16	3 3/16	3'-0"
	B	CWT	EXP. ANCHOR, CMU	KM51514639V000	5 5/16	3 9/16	5'-3 15/16"
	C	CAR	EXP. ANCHOR, CMU	KM51719268V001	14	4 1/2	3'-0 3/16"
PIT	A	COMBO	EXP. ANCHOR, CMU	KM51514637V000	9 1/16	3 3/16	3'-0"
	B	CWT	EXP. ANCHOR, CMU	KM51514639V000	5 5/16	3 9/16	5'-3 15/16"
	C	CAR	EXP. ANCHOR, CMU	KM51719268V001	14	4 1/2	3'-0 3/16"



SECTION A-A

BRACKET ELEVATIONS ARE AT THE CENTERLINE OF BEARING AREA OF WALL FASTENERS



SECTION B-B

BRACKET ELEVATIONS ARE AT THE CENTERLINE OF BEARING AREA OF WALL FASTENERS
 ELEVATIONS BELOW TOP LANDING ARE THE SAME AS SECTION A-A

APPROVED BY

APPROVAL SPACE

PROJECT:
 Binghamton University East Gym
 BUILDING: Building 1 GROUP: Group 1
 LOCATION:

ENG/ARCH:
 CONTRACTOR:
 Physical Facilities Department

UNIT NO.	NETWORK NO.	EQUIPMENT NO.

REVISIONS

DATE	NO	BY	CK	DESCRIPTION
2024-04-02	-	HAR		PRELIMINARY

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KONE

GENERATED ON: 04/02/24	BY: HSI	REV -
UNITS: IMPERIAL	201-23.2	
DRAWING M-7305146-10010-010	DESCRIPTION BRACKET	SHEET 7 of 19

Site Safety Requirements / Work by Others

KONE MonoSpace 300 Bid Attachment "B"



PURCHASER TO PROVIDE THE FOLLOWING IN ACCORDANCE WITH CODE REQUIREMENTS:
 NOTE: ALL SITE PREPARATION REQUIRED TO BE IN PLACE PRIOR TO KONE'S START MUST BE READY TWO (2) WEEKS PRIOR TO THE START OF INSTALLATION.

General

1. Provide sufficient on-site refuse containers for the disposal of the elevator packing material. Should sufficient containers not be provided, the removal of the elevator packing material shall become the responsibility of others.
2. Provide forklift for KONE's exclusive use during the unloading of the elevator at time of delivery.
3. Provide any cutouts to accommodate the elevator equipment (see notes below).
4. Provide and install finished elevator cab flooring prior to balancing cabs (coordinate with KONE). Cab flooring/weight allowance shall be in accordance with KONE's approved layouts. Owner must provide certification (to the elevator inspector at time of inspection) that flooring meets flame spread and smoke density requirements. (ASME A17.1/CSA B44 sec 2.14.2.1)
5. Provide permanent elevator lobby lighting, ceiling and flooring prior to inspection date.
6. Owner must provide certification (to the elevator inspector at time of inspection) that owner-supplied elevator interior finishes meet flame spread and smoke density requirements (ASME A17.1/CSA B44 sec. 2.14.2.1). In the case of using glass, transparent or translucent plastic panels for car interiors, they shall meet the requirements of ASME A17.1/CSAB44 sec. 2.14.1.8, ANSI Z97.1/ CGSB 12.1 in Canada.
7. Provide cutting/ coring of all openings and penetrations required to install hall push buttons, signal fixtures, wiring duct and piping, and sleeves. Sleeves will be required in the hoistway wall for EACH elevator.
8. Provide any repairs such as grouting, patching and painting made necessary by such cutting/ coring. Provide fire caulking around all fixtures and as needed to satisfy NFPA 70 article 300.21, or any applicable local code.
9. Please note that none of the elevator components are weather-proof and that the elevator entrances do not seal the hoistway from inclement weather. The entire elevator, hoistway, and controls must remain protected from inclement weather prior to and throughout the installation.
10. Communications Means for Emergency Personnel: Required for units with travel greater or equal to 60 ft (18 m), or if located in a seismic zone and the code year is 2016 or later (regardless the travel): For code year 2019 and later, customer will provide a dedicated Windows-based PC or laptop with Chrome browser and 24-hour/day Internet access. This computer must be accessible by emergency personnel to communicate through voice and text with people in the elevator and to have a video display of the cab interior. When provided, the communication means for emergency personnel shall be located as follows:
 - a. In jurisdictions not enforcing National Building Code of Canada (NBCC), the Fire Command Center (FCC).
 - b. In jurisdictions enforcing the NBCC, the Central Alarm and Control Facility (CACF).
 - c. In buildings without an FCC or CACF, on the designated level in a location approved by the local fire authority.

Safety

11. Provide adequate, roll-able access with a minimum opening of 8' x 8' [2.5m x 2.5m] into the building. Clean, safe, secure and dry space is required adjacent to the hoistway at grade level, minimum of 21' x 56' [6.4m x 17m] per elevator for storage of materials.
 12. Provide free-standing, removable, OSHA-compliant barricades capable of withstanding 200lb (890N) of force in all directions around all hoistway openings per OSHA 29 CFR 1926.502, and/or any applicable local code.
 13. Provide and install full-covering entry protection as per local requirements and manufacturer's requirements. Protection to be made of nylon mesh or reinforced plastic, at all hoistway openings to prevent materials or tooling from falling into the elevator shaft during installation per Federal OSHA requirements listed in 29 CFR 1926.502(j). In Canada, where required by Provincial regulation, enclose the front of the hoistway with removable hoarding or screening to prevent material from entering the hoistway. Design and install entrance protection in such a way as to allow quick accessibility in and out of the hoistway.
 14. Provide two (2) lifeline attachments at the top, front of the hoistway. Each must be capable of withstanding a 5000 lb [2250 Kg] load per OSHA 29 CFR 1926.502, or any applicable local code. For machine-room-less applications, provide attachments as described above, or install KONE-provided 5" x 5" x 3/8" (127mm x 127mm x 9.6mm) tube steel lifeline beam in the elevator hoistway overhead 10 inches (254 mm) from front of hoistway to center line, with bottom of lifeline beam at same elevation as bottom of hoisting I-beam. Lifeline tube steel supplied by KONE by request at no additional cost. Engineering details, attachment details and/or modifications, or any beam(s) alterations in the field for installation is by others. Extend provided Life line pull up installation rope, rope looped over safety beam, end of loop at height of first lower landing below life line tube steel rope positioned in the center of the life line tube.
 15. Provide proper lighting in all work areas and stairways, including access to all floors and machine rooms per OSHA 29.CFR1926.1052 or any applicable local code.
 16. Provide and maintain 6-foot (1800 mm) clear work area in front of all entrance openings per OSHA 29.CFR1926.502 or any applicable local code.
- ### Hoistway
17. Provide a clear and plumb hoistway of size shown on approved KONE final layout drawings. Any variations from the detailed dimensions may not exceed 2" [50 mm] greater and may not be less than the clear dimensions detailed. (Tolerance: -0" + 2" [-0 mm +50 mm]).
 18. Provide hoistway ventilation per local building code requirements as applicable. For proper equipment operation, the machine space in the machine room or at the top of the hoistway must maintain a temperature between 41° F [5° C] and 104° F [40° C]. Maximum allowed humidity is 95% non-condensing. For proper equipment operation, the space below the top of the hoistway, including the pit, must maintain a temperature between 5° F [-15° C] and 135° F [57° C] when the hoistway is located in a structure exposed to direct sunlight or not environmentally conditioned (e.g. parking garages). Maximum allowed humidity is 95% non-condensing.
 19. Provide any partitions between common hoistways if applicable.
 20. Install hoist beam(s) in overhead(s) per the KONE final layout drawings. Beam supplied by KONE unless otherwise noted on the layout drawings. Engineering and attachment details or field modifications of the beam is by others.

21. In cases where multiple elevators are in a common hoistway, and the counterweights are located between elevators, the entire length of counterweight runway must be guarded. The guard shall extend at least 6 inches (150mm) horizontally beyond each counterweight rail. The guard shall be made from wire-mesh material equal to or stronger than .048-inch diameter wire with openings not exceeding 1/2 inch (13 mm), securely fastened to keep the guard taut and plumb.
22. On applications where working platforms are required, working platforms provided shall comply with the requirements of the current ASME A17.1 / CSA-B44 code edition in effect at the time of installation and /or any applicable local code.
23. Provide adequate support for guide rail brackets from pit floor to the top of the hoistway. Locate rail backing per KONE final approved layout drawings. When maximum bracket span is exceeded, additional support shall be provided at purchaser's expense. Any bracket mounting surface that is not in line with the clear hoistway dimension detailed on the approved KONE final layout drawings may need to be corrected to meet the proper dimension at purchaser's expense.
24. If guide rail brackets are to attach to steel, ensure all brackets are installed prior to applying fireproofing to the steel. Otherwise, removal and reapplication of fireproofing will be at purchaser's expense.
25. All offsets, ledges or projections within the hoistway shall be addressed in accordance with applicable local code. All offsets, ledges or projections within the hoistway greater than 4 inches (100mm) must be tapered to not less than 75 degrees (ASME A17.1/CSA B44 sec 2.1.6.2). Maximum ledge or projection is 2 inches (50mm) in Massachusetts, California, District of Columbia, and New York City.
26. If concrete block wall construction, refer to the approved KONE final approved layout drawings for proper installation of rail bracket attachments. Inserts provided by KONE unless otherwise noted on the approved KONE final approved layout drawings. Insert type must be approved by KONE. Concrete masonry units, mortar and grout, shall conform to International Building Code (IBC) 2000 or any applicable local code. Concrete masonry units shall have a minimum compressive strength of 1500 PSI (10.5 MPa). Mortar and grout shall have a minimum compressive strength of 2000 PSI (13.8 MPa).
27. KONE entrance jambs are non-ferrous and material may not be attached to them (i.e. fire doors/curtains).
28. Arrange for entrance walls to be constructed at the time doorframes and sills are installed to facilitate timely installation of hall fixture faceplates. Entire front wall must be left open at top and bottom landings until elevator equipment is installed. Intermediate landings must have rough openings of the size and location shown on KONE final approved layout drawings to allow installation of entrances. All entrance openings must be aligned vertically. Adequate support for entrance attachment points shall be provided at all landings according to reaction loads shown on KONE Final Approved Layout Drawings (FALD) (ref. ASME A17.1/CSA B44 section 2.11). Any marble, stone or similar wall material must be prepared after the entrance frames are installed. Provide corridor lines for any marble or "special finish" walls. NOTE: If concrete block wall construction- to prevent overloading entrance frames, top of entrances should not receive more than one row of block. A lintel must be installed to support additional rows of block.
29. Provide elevator landings suitably prepared to accept entrance sill installation per KONE final layout drawings. Grouting to be done by purchaser after sills are installed. NOTE: Traditional angle or concrete sill support is not required.
30. Provide finished-floor height marks visible from hoistway openings at all landings minimum one week prior to beginning entrance installation. Placing floor height mark on hoistway wall is desirable. Complete "Contractor Verification Form of Sill to Sill Heights and Remote Machine Piping", CONSTR-07-0675.
31. Provide suitable, permanent lighting for control space with light switch located within 18" [457 mm] of strike jamb side of control space door where practical.
32. Electric lighting shall have a minimum lighting intensity of 200 lx (19 fc) at the floor level. When permitted by state and local code the light switch should also control the machine space lighting if control space is adjacent to the hoistway at the top landing.
33. If the control space is located remote from the elevator hoistway at top landing the following may apply:
 - a. If applicable, provide machine space access door of the size and in the location shown on the KONE final layout drawings. The access door shall be secured against unauthorized access. It shall be self-closing, self-locking and operable from the inside without a key.
 - b. Provide suitable lighting in or above the machine space access with light switch located within 18" [457 mm] of strike jamb side of access space door where practical.
 - c. When permitted by state and local code the light switch should also control the machine space lighting.
 - d. In cases where a battery lowering device is provided, control closet may not be adequate. Please consult KONE representative.
34. Provide and install GFCI-type receptacle located at machine in the top of the hoistway or in machine room as applicable (NFPA 70 article 620 or CEC article 38 whichever is applicable).
35. Provide and install light switch located at manual brake release location: may also be required in control space per local jurisdiction.
36. Where a single elevator is installed in a hoistway and a portion of the travel extends higher than 11 m (36 ft.) between entrances (single blind hoistway), emergency door(s) must be provided. Emergency doors and their electrical contacts shall comply with the current ASME A17.1/CSA B44 code edition in effect at the time of installation and/or any applicable local code. ASME A17.1/CSA B44 requirement Section 2.11.1.2 covers "Emergency Doors in Blind Hoistways" and Section 2.26.2 covers Electrical Protective Devices". Each emergency door must be provided with an electrical contact with minimum UL/CSA NEMA A300 rating suitable for use in a 3 amp 230 VAC circuit. Consult KONE representative if there are any questions concerning the code requirements.
37. In jurisdictions enforcing the NBCC and in jurisdictions enforcing NFPA 72, the means for testing and maintenance of fire alarm initiating devices without having to enter the hoistway shall be permitted. When this means is provided it must comply with ASME A17.1-2019/CSA B44-19 (and later editions) requirement 2.8.2.4 and the location of equipment inside the elevator hoistway must be coordinated with KONE sales and/or operations representative.
38. When Emergency Responder Radio Coverage (ERRC) equipment is required and located in the hoistway, consult KONE representative to ensure required running clearances are maintained and layout drawings are updated, if required. Reference ASME A17.1-2022/CSA B44-22 (and later editions) requirements 2.8.7, 2.27.12 and 2.28.1.

APPROVED BY				
APPROVAL SPACE				
PROJECT: Binghamton University East Gym				
BUILDING: Building 1		GROUP: Group 1		
LOCATION:				
ENG/ARCH:				
CONTRACTOR: Physical Facilities Department				
U N I T I N G	ITEM NO.	NETWORK NO.	EQUIPMENT NO.	
R E V I S I O N S	2024-04-02	-	HAR	PRELIMINARY
	DATE	NO	BY	CK
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GENERATED ON: 04/02/24		BY: HSI	REV	
UNITS: IMPERIAL		201-23.2	-	
DRAWING		DESCRIPTION	SHEET	
M-7305146-10010		CONTRACT	9 of 19	

Site Safety Requirements / Work by Others
KONE MonoSpace 300 Bid Attachment "B"



PURCHASER TO PROVIDE THE FOLLOWING IN ACCORDANCE WITH CODE REQUIREMENTS:
NOTE: ALL SITE PREPARATION REQUIRED TO BE IN PLACE PRIOR TO KONE'S START MUST BE READY TWO (2) WEEKS PRIOR TO THE START OF INSTALLATION.

Pit

- 39. Provide a legal, dry and clean pit with level pit floor, built per KONE final layout drawings. Pit shall be reinforced to sustain vertical forces detailed on KONE final layout drawings (vertical forces detailed are two times the static loads.)
- 40. Sumps and/or sump pumps (where permitted) located within the pit may not interfere with the elevator equipment. Sumps to be covered with flush mounted, non-combustible cover capable of withstanding 150 lbs per square foot (7 kPa). The sump pump/drain must, at minimum, remove 3,000 gal/h (11.4 m³/h) per elevator.
 - a. ASME A17.1-2016/CSA B44-16 and earlier, per elevator.
 - b. ASME A17.1-2019/CSA B44-19 and later, per single hoistway or multiple car hoistway.
- 41. Provide a pit light fixture with switch and guards with an illumination level equal to or greater than that required by ASME A17.1/CSA B44 2000 (and later editions). Recommended to provide minimum 4-foot double tube fluorescent fixture, with suitable guard and mounted to rear wall of pit per KONE installation representative's direction.
- 42. Provide a dedicated pit circuit with GFCI-protected 15 or 20 amp 120 VAC duplex outlet. Location to be coordinated with the KONE project team using the KONE final approved layout drawings (NFPA 70 article 620 or CEC article 38 whichever is applicable).
- 43. Provide a single receptacle for sump pumps (NFPA 70 article 620 or CEC article 38 whichever is applicable).
- 44. Pit ladder to be constructed of non-combustible material extending from pit floor to 48" [1200 mm] above the sill of the access landing. Pit ladder is supplied by KONE; provided by purchaser on other KONE products unless otherwise noted on the layout drawing. Pit ladder wall pocket requirements if required, are shown on the pit plan view per the KONE final layout drawings. Locate per KONE final layout drawings. Coordinate ladder sizing and location with KONE representative to assure proper fit in hoistway.

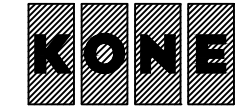
Electrical

- 45. US Applications - Purchaser provides in accordance with National Electrical Code, NFPA 70 (NEC) Article 620 or any applicable local code.
 - 46. Canadian Applications - Purchaser provides in accordance with Canadian Electrical Code, C22.1 Section 38 or any applicable local code.
 - 47. Provide dedicated GFCI-protected 20 amp 120VAC duplex (15 amp in Canada) outlet next to each control cabinet.
 - 48. Provide for all electrical branch circuits/disconnects to be labeled (NFPA 70 article 620, CEC articles 38/36).
 - 49. Provide 480/208 VAC (USA) or 575/208 VAC (Canada) three-phase main line power, including piping, wiring and fused disconnect, to controller location to facilitate elevator installation prior to start of project. **WARNING: A Wye configuration transformer is required. An Open Delta transformer is not acceptable to supply the main line power to elevators with regenerative drives, either for temporary or permanent power. Doing so can permanently damage the elevator equipment.**
 - 50. Provide 220 VAC single-phase temp. power and 115 VAC single-phase temp. power, of permanent characteristics at each elevator landing for lighting and installation method tools. Locate connection points at elevator hoistway. **NOTE: For installation purposes related to items 48 and 49, please consult your KONE representative to confirm disconnect location(s) and type of temporary power.**
 - 51. When generator is used to provide 3-phase 480/208 VAC (USA) or 575/208 VAC (Canada) power for installation, purchaser to accept change notice for additional costs, estimated locally by installing office, to cover inefficiencies and any damages resulting from installing without permanent power present. **NOTE: Our elevator controllers require Wye configuration transformers. It is also the responsibility of the purchaser to provide consistent three-phase voltages balanced within +/-10% when measured phase-to-phase and +/-10% when measured phase-to-ground. **WARNING: A Wye configuration transformer is required. An Open Delta transformer is not acceptable to supply the main line power to elevators with regenerative drives, either for temporary or permanent power. Doing so can permanently damage the elevator equipment.****
 - 52. Provide a dedicated 20 amp 115 VAC circuit in the fire command room piped and wired to the lobby panel where applicable.
 - 53. Provide a separate 15 amp 115VAC fused service with ground (supplied through automatic emergency lighting supply if available in building) for each seismic device; when required. Must include the means to disconnect this service and lock-off in the "open" position (NFPA 70 article 620 or CEC article 38, whichever is applicable).
 - 54. Provide separate 15 amp, 115 VAC fused service with ground (powered by building emergency power system, when available) for each elevator with KONE 24/7 Emergency Video Communications, when specified. Must include the means to disconnect each service and lock-off in the "open" position (NFPA 70 article 620 or CEC article 38).
 - 55. In jurisdictions enforcing the NBCC and if the elevator is the designated firefighters elevator, conductors and cables located outside of the elevator hoistway, machine space and control space, that provide normal or standby power, car lighting power, car heating power, car air conditioning power, control signals, communication with the car and fire/heat-detecting systems control signals to the designated Firefighter's Elevator, shall be protected by construction having fire-resistance rating of not less than 2 hours.
- Control Space / Integrated Controls Solutions**
- 56. Provide a legal control space/ machine room with access as indicated on the KONE final layout drawings. To include a temporary or permanent door that can be locked from outside. Permanent door must be self-closing, self-locking, and require a key to open from outside. Must have adequate temporary or permanent lighting for installation purposes. For proper equipment operation, the temperature in the control space must maintain between 41° F [5° C] and 104° F [40° C]. Maximum allowed humidity is 95% non-condensing.
 - 57. Provide safe and convenient access to control space/machine room including provisions for necessary lighting for access path (ASME A17.1/CSA B44 sections 2.8.1 and 2.7.3)
 - 58. Provide a clean and dry elevator control room.

- 59. Provide suitable lighting for control space with light switch located within 18" [457 mm] of strike jamb side of control space door where practical. When permitted by state and local code the light switch should also control the machine space lighting if control space is adjacent to the hoistway at the top landing.
- 60. Provide dedicated GFCI-protected 120 VAC 20 amp duplex (15 amp in Canada) outlet in the shaft, located above and centered to the entrance opening at the controller landing. Consult KONE installation team for precise locations.
- 61. Provide a single means of disconnecting all ungrounded main line power conductors for each elevator by an enclosed, externally operable, fused motor circuit switch with UL/CSA Class RK1 or equivalent J-Class fuses. Must be lockable in the open position. This disconnecting means shall disconnect the normal power service as well as emergency power service, when provided. **Note 1: If a battery-powered rescue device is required, the above-mentioned disconnect must have an auxiliary contact monitored by elevator controller that is positively opened mechanically and is normally closed (NC) when the main line power is in the ON position, and is normally open (NO) when power is in the OFF position.** **Note 2: If a battery-powered rescue device is required and a separate shunt trip breaker which is subject to either the hoistway or control space sprinkler system is provided, the shunt trip breaker must have an auxiliary contact that is positively opened mechanically and is normally closed (NC) when the main line power is in the ON position.** **Note 3: Shunt trip not allowed in Canada and some US jurisdictions**
- 62. Provide a Direct-in-dial (DID) analog phone line, activated at least one week prior to inspection, terminated at the appropriate phone jacks in the elevator control room. GC/ Owner may elect to have a separate analog line installed (one per elevator), or GC/ Owner may elect to provide DID lines from an Analog Station Card in the building's PBX system. If GC/Owner provides a Direct-in-Dial analog phone line or lines off an existing PBX phone system, a backup power source must also be provided. If PBX phone system, VOIP, network or other communications system is used, the phone line provided from the analog station card must be an analog converter configured to drop the voltage just as a regular analog phone line when communications are out of service. All phone and associated equipment provided by GC/ Owner shall be in compliance with the requirements of ASME A17.1/ CSA B44, local codes and applicable law.
- 63. Provide all fire alarm initiating signals as required by all national, state and local codes for termination at the primary elevator signal control cabinet in each group.
- 64. With emergency power service provide emergency power transfer switch and power change pending signals as required; 2 normally open dry contacts from transfer switch to controller (2 pairs plus ground wire). One contact closes to signal emergency power is present, the other contact closes to give 30 second pre-signal prior to transfer switch change. Termination of these wires is at the primary elevator signal control cabinet in each group (2 pairs plus ground wire.)
- 65. Furnish and install smoke detectors and fire operation per ASME A17.1/CSA B44 sec 2.27.3.2, NFPA 72; one for lobby detector, machine room detector, hoistway detector (hoistway detector requirement determined by local code), and one for all grouped non-lobby detectors are required. Provide normally-closed dry contacts, with wiring, to controller for each group listed above. Provide normally-closed dry contacts, with wiring, to controller for each group listed above.
- 66. Provide and install smoke detector in hoistway as required per local codes, and in all elevator lobbies, machine room and controller space.
- 67. Provide heat detectors and "shunt-trip operation" (US Only) when sprinklers are required in machine room, machinery space, control room, control space, or hoistway, (A17.1 sec 2.8.3.3.2, NFPA 13, & NFPA 72).
- 68. If Fire Status Panel or Security panels are required, all remote conduit runs from elevator equipment room/machine space to these panels shall be by others.
- 69. Non-elevator related piping and equipment is prohibited in machine room or hoistway (ASME A17.1/CSA B44 sections 2.8.1 and 2.8.2).
- 70. Provide and mount at minimum a 10-pound, ABC-type fire extinguisher in control space (ASME A17.1 sec 8.6.1.6.5). (Not required in Canada for ASME A17.1-2019/CSA B44-19 and earlier editions)

APPROVED BY			
APPROVAL SPACE			
PROJECT: Binghamton University East Gym			
BUILDING: Building 1		GROUP: Group 1	
LOCATION:			
ENG/ARCH:			
CONTRACTOR: Physical Facilities Department			
UNIT INFORMATION	ITEM NO.	NETWORK NO.	EQUIPMENT NO.
REVISIONS	2024-04-02	- HAR	PRELIMINARY
	DATE	NO BY CK	DESCRIPTION
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GENERATED ON: 04/02/24		BY: HSI	REV
UNITS: IMPERIAL		201-23.2	-
DRAWING M-7305146-10010	DESCRIPTION CONTRACT	SHEET 10 of 19	

Site Safety Requirements / Work by Others
KONE MonoSpace 300 Bid Attachment "B"

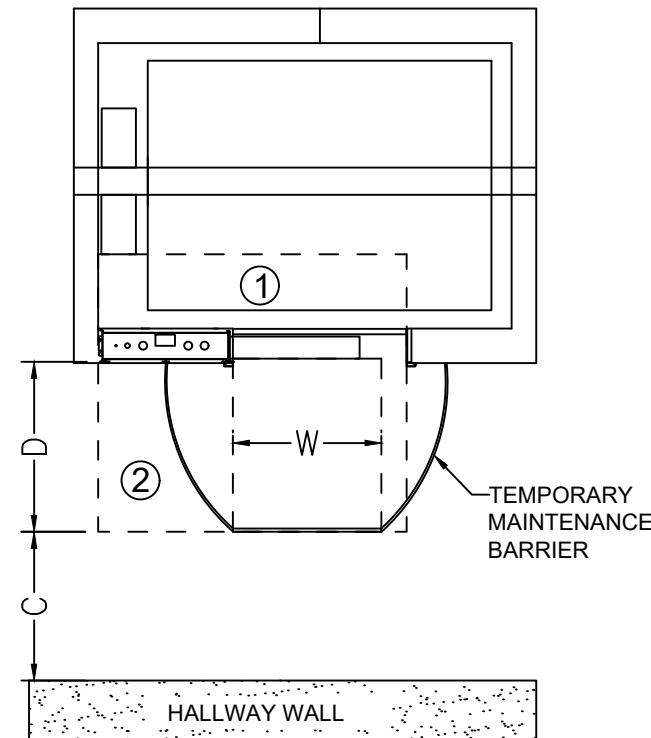


PURCHASER TO PROVIDE THE FOLLOWING IN ACCORDANCE WITH CODE REQUIREMENTS:

NOTE: ALL SITE PREPARATION REQUIRED TO BE IN PLACE PRIOR TO KONE'S START MUST BE READY TWO (2) WEEKS PRIOR TO THE START OF INSTALLATION.

Applicable for Integrated Control Solution (ICS)

- 71. Provide a completely open front wall at top landing with access as indicated on the KONE Final Approved Layout Drawings. Must have adequate temporary or permanent lighting for installation purposes. NOTE: The lobby side of the ICS control cabinet must be faced with 2 layers of dry wall to comply with UL certification, regardless of front type. See KONE Final Approved Layout Drawings for details and wall type and minimum dimensions.
- 72. Provide environment for proper equipment operation during installation and after acceptance, the temperature at the top floor elevator lobby must maintain between 41° F [5° C] and 104° F [40° C]. Maximum allowed humidity is 95% non-condensing.
- 73. Provide safe and convenient rollable access to top floor elevator lobby area. (ASME A17.1/CSA B44 sections 2.8.1 and 2.7.3)
- 74. Provide 480/208 VAC (USA) or 575/208 VAC (Canada) three-phase main line power, including piping, and wiring from fused disconnect, to junction box located in hoistway at top landing to facilitate elevator installation. **WARNING:** A Wye configuration transformer is required. An Open Delta transformer is not acceptable to supply the main line power to elevators with regenerative drives, either for temporary or permanent power. Doing so can permanently damage the elevator equipment.
- 75. FIRE ALARM INITIATING DEVICE (FAID). FAID is a requirement of ASME A17.1/B44Z, requirements 2.27.3.2.1 (b) and 2.27.3.2.2 (b).



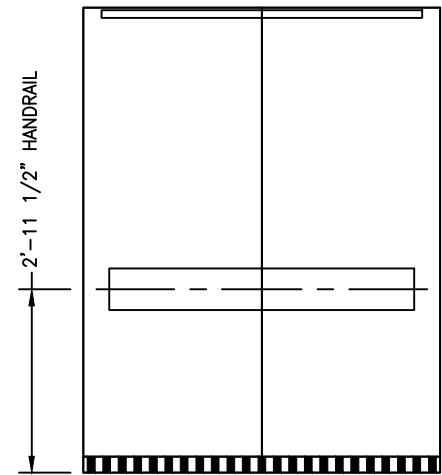
	USA	CANADA	COMMENT
W	30"	1m	NEC2020, CEC2021
D	36"	1m	NEC2020, CEC2021
C	Min 36"	Min 914mm	Minimum recommended. Consult ADA requirements for exact building clearance

- ① Since ICS CONTROL enclosure is vented into the hoistway, a fire alarm initiating device (FAID) is required in this portion of the control space.
- ② A fire alarm initiating device (FAID) is required in the lobby area to protect the control space when ICS is open.

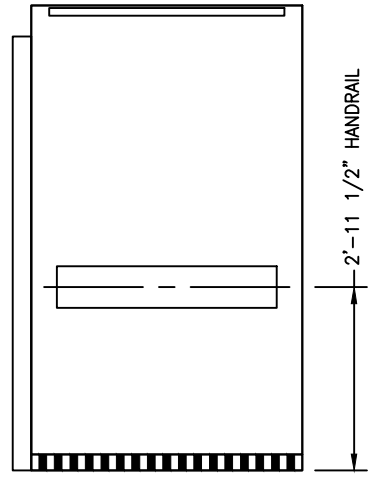
APPROVED BY			
APPROVAL SPACE			
PROJECT: Binghamton University East Gym			
BUILDING: Building 1		GROUP: Group 1	
LOCATION:			
ENG/ARCH:			
CONTRACTOR: Physical Facilities Department			
UNIT INFO	ITEM NO.	NETWORK NO.	EQUIPMENT NO.
REVISIONS			
2024-04-02	-	HAR	PRELIMINARY
DATE	NO	BY	CK DESCRIPTION
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GENERATED ON: 04/02/24		BY: HSI	REV
UNITS: IMPERIAL		201-23.2	-
DRAWING	DESCRIPTION	SHEET	
M-7305146-10010	CONTRACT	11 of 19	

T-0007305146-10010-010
 Monospace 300
 ELEVATOR 1
 2000#
 150 FPM

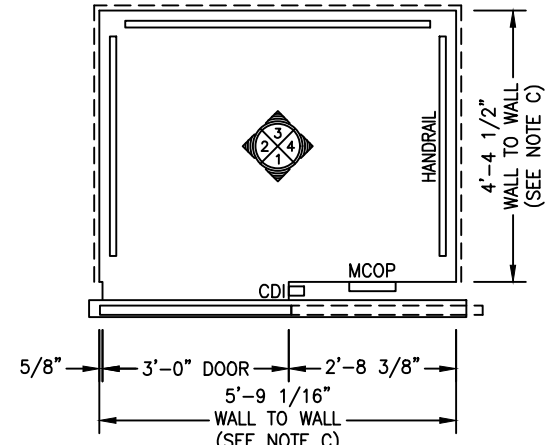
ITEM	TYPE	DESCRIPTION
SUSPENDED CEILING	CL88	LED SPOTLIGHTS - ROUND
CEILING PANEL FINISH	-	441 BRUSHED STAINLESS
FRONT DOOR FINISH	4SS	441 BRUSHED STAINLESS
FRONT DOOR MATL. THICKNESS	-	20GA
CAB FRONT WALL MATERIAL	4SS	304 BRUSHED STAINLESS
CAB SIDE WALL MATERIAL	Z	AMBER CHERRY
CAB SIDE WALL DECORATION	-	APPLIED LAMINATE
CAB REAR WALL MATERIAL	Z	AMBER CHERRY
CAB REAR WALL DECORATION	-	APPLIED LAMINATE
SKIRTING MATERIAL	4SS	441 BRUSHED STAINLESS
CAR SILL MATERIAL	A	EXTRUDED ALUMINUM
CAR HANDRAIL TYPE	HR63	FLAT: 441 BRUSHED STAINLESS
PLASTIC LAMINATE FIRE RATING	PLA	PLASTIC LAMINATE CLASS A
CAR FAN TYPE	1	FAN REQUIRED
EMERGENCY EXIT SWITCH	-	REQUIRED
FINISH FLOOR THICKNESS		1/2"
FLOOR WEIGHT		3.0 LBS/SQ FT
CAB & FLOOR WEIGHT		2090 LBS
PROTECTION PADS	-	PADS NOT INCLUDED



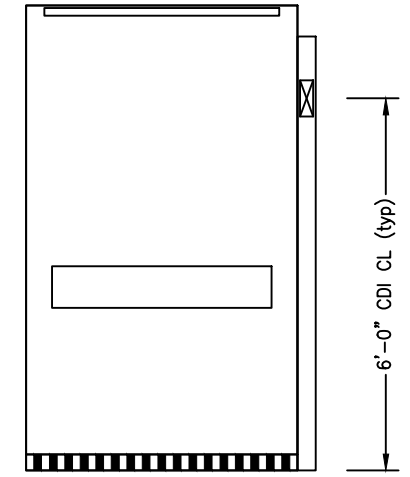
ELEVATION 3



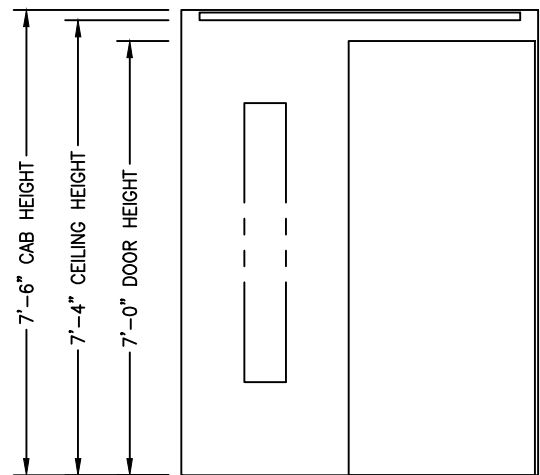
ELEVATION 2



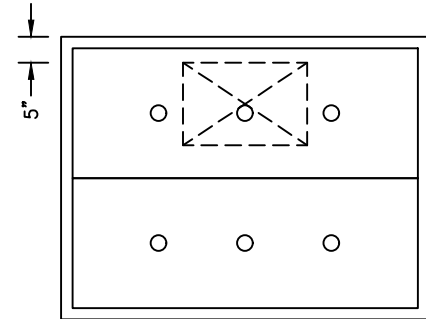
PLAN VIEW



ELEVATION 4



ELEVATION 1



Design: CL88
 REFLECTED CEILING
 EMERGENCY EXIT 25"x16"

NOTE:
 A. EMERGENCY CAR LIGHTING IS PROVIDED
 B. CAB INTERIOR COMPLIES WITH THE LATEST EDITION ASME A17.1/CSA B44 INCLUDING SMOKE AND FLAME RATING CLASS A.
 C. CAB RELATED DIMENSIONS OTHER THAN DOOR OPENING WIDTH AND DOOR OPENING HEIGHT ARE NOMINAL DIMENSIONS. THEY DO NOT ACCOUNT FOR MANUFACTURING TOLERANCES NOR FOR FINISHED FLOOR, LAMINATE, OR RAISED PANEL THICKNESS.

NOTE:
 MCOP = MAIN CAR OPERATION PANEL

APPROVED BY

APPROVAL SPACE

PROJECT:
 Binghamton University East Gym
 BUILDING: Building 1 GROUP: Group 1
 LOCATION:

ENG/ARCH:

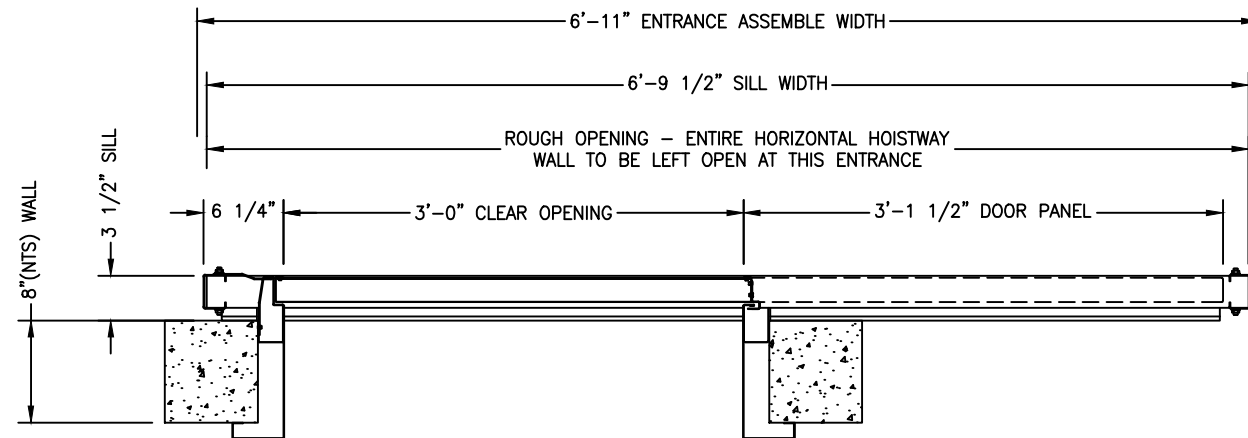
CONTRACTOR:
 Physical Facilities Department

UNIT	NO.	DATE	BY	DESCRIPTION
		2024-04-02	HAR	PRELIMINARY

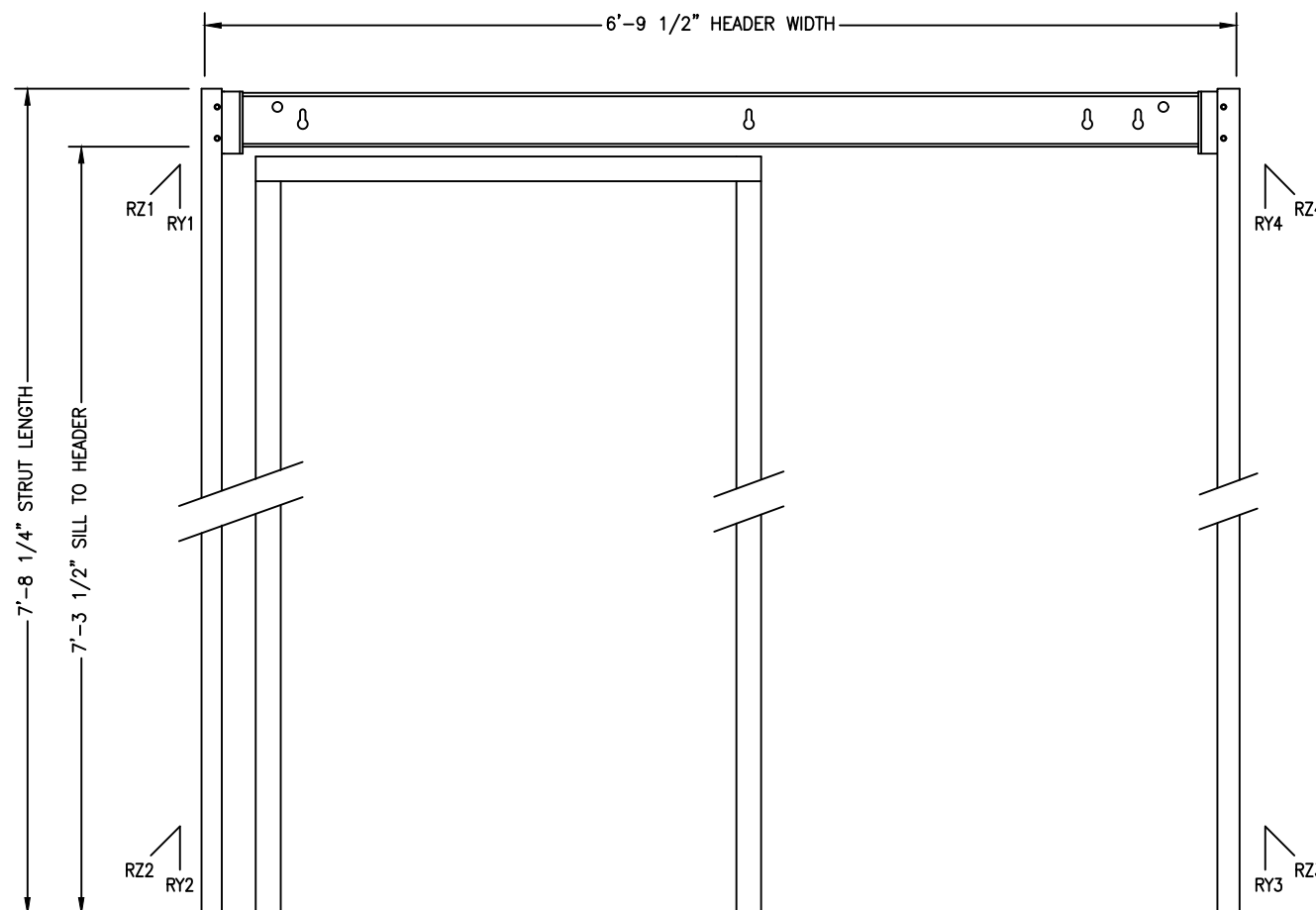
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KONE

GENERATED ON: 04/02/24	BY: HSI	REV: -
UNITS: IMPERIAL	201-23.2	
DRAWING: C-7305146-10010-010	DESCRIPTION: CAB	SHEET: 12 of 19



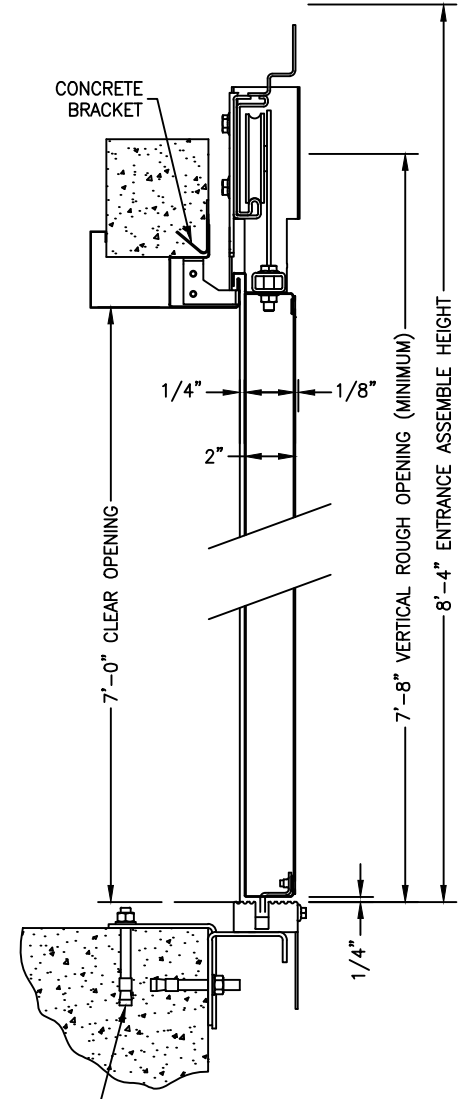
PLAN VIEW



ELEVATION VIEW

REACT. PT.	RZ (LBF)	RY (LBF)
1	430	80
2	365	80
3	150	35
4	180	35

ITEM	TYPE	DESCRIPTION
ELEVATOR I.D.		ELEVATOR 1
ENTRANCE LANDINGS	-	*1
ENTRANCE DESIGN NUM	1	AMDY / SINGLE SPEED / LEFT STRIKE
FIXTURES	KSS570	-
KEYWAY CUTOUT	-	REQUIRED
ACCESS SWITCH	-	NONE
FIRE RECALL	-	NONE
STAR OF LIFE	-	NONE
FRAME CONSTRUCTION	-	KNOCK-DOWN STYLE BOLTED
FRAME FINISH	16 GA	304 BRUSHED STAINLESS
DOOR FINISH	16 GA	304 BRUSHED STAINLESS
FRAME SOUND DEADENING	-	NONE
DOOR SOUND DEADENING	-	STANDARD
SILL	A	ALUMINUM W/O SURFACE TREATMENT
FASCIA / TOE-GUARD	16 GA	GALVANIZED STEEL 48" WIDE
JAMB BRAILLE	CJ6S	SURFACE MOUNTED, WHITE ON BLACK
LABELS	-	2 HOUR U.L. - CLASS B
PANEL CONST. TYPE	STD	STANDARD DOOR



DOOR SECTION

NOTES:

A. DO NOT FINISH CONSTRUCTION OF WALLS UNTIL ELEVATOR DOOR FRAMES ARE SET. REFER TO HORIZONTAL AND VERTICAL ROUGH OPENING DETAILS.

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APPROVAL SPACE

PROJECT:
Binghamton University East Gym
BUILDING: Building 1 GROUP: Group 1
LOCATION:

ENG/ARCH:

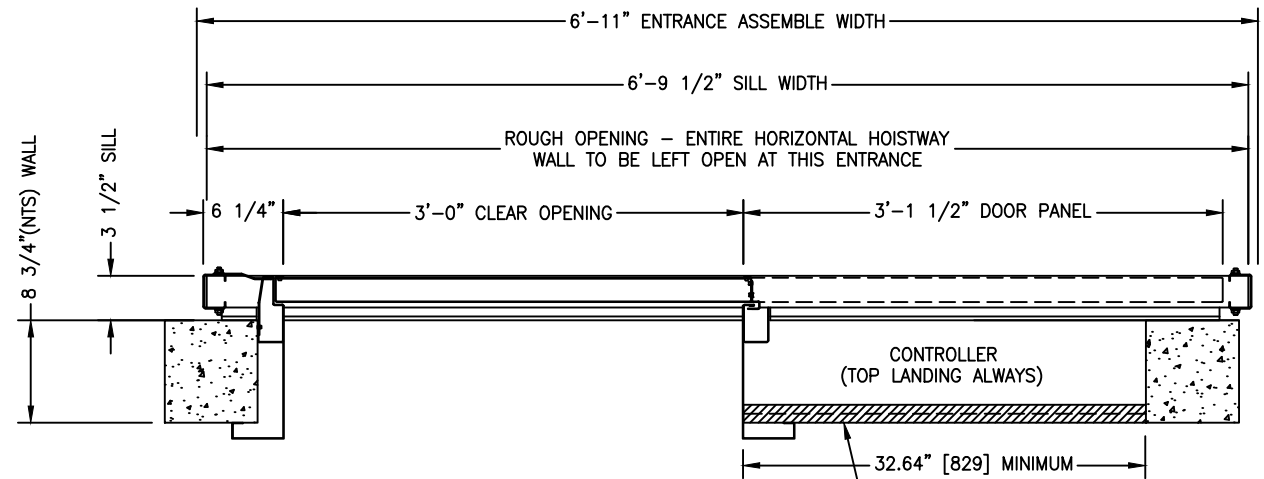
CONTRACTOR:
Physical Facilities Department

UNIT NO.	ITEM NO.	NETWORK NO.	EQUIPMENT NO.	REVISIONS	
				DATE	DESCRIPTION
				2024-04-02	PRELIMINARY

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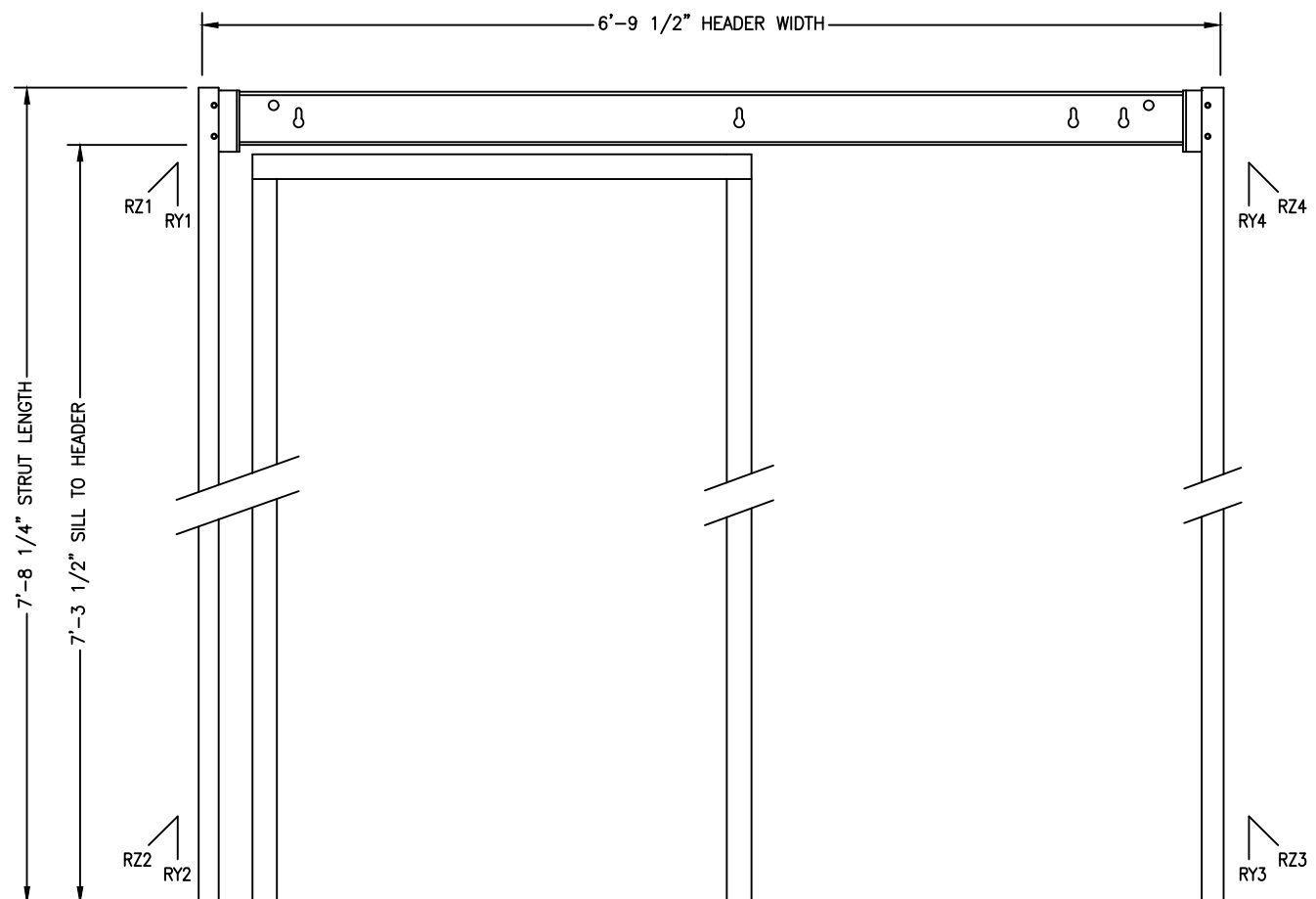


GENERATED ON: 04/02/24	BY: HSI	REV -
UNITS: IMPERIAL	201-23.2	
DRAWING E-7305146-10010-010	DESCRIPTION ENTRANCE	SHEET 13 of 19



PLAN VIEW

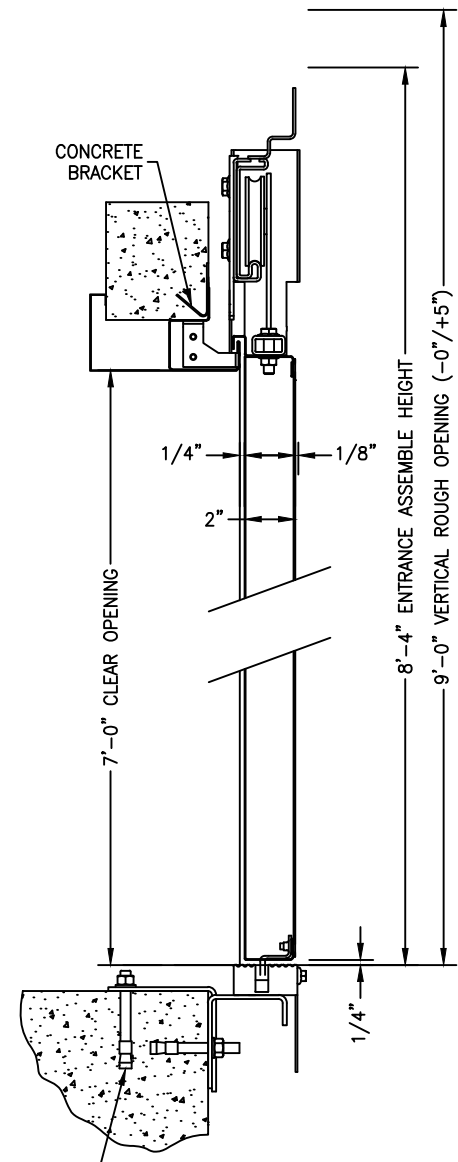
TWO 1/2" [13] or 5/8" [16] GYPSUM BOARDS.
NOTE: SELF-TAPPING SCREWS 1" MAX.



ELEVATION VIEW

REACT. PT.	RZ (LBF)	RY (LBF)
1	430	80
2	365	80
3	150	35
4	180	35

ITEM	TYPE	DESCRIPTION
ELEVATOR I.D.		ELEVATOR 1
ENTRANCE LANDINGS	-	2
ENTRANCE DESIGN NUM	2	AMDY / SINGLE SPEED / LEFT STRIKE
FIXTURES	KSS570	-
KEYWAY CUTOUT	-	REQUIRED
ACCESS SWITCH	-	REQUIRED
FIRE RECALL	-	NONE
STAR OF LIFE	-	NONE
FRAME CONSTRUCTION	-	KNOCK-DOWN STYLE BOLTED
FRAME FINISH	16 GA	304 BRUSHED STAINLESS
DOOR FINISH	16 GA	304 BRUSHED STAINLESS
FRAME SOUND DEADENING	-	NONE
DOOR SOUND DEADENING	-	STANDARD
SILL	A	ALUMINUM W/O SURFACE TREATMENT
FASCIA / TOE-GUARD	16 GA	GALVANIZED STEEL 48" WIDE
JAMB BRAILLE	CJ6S	SURFACE MOUNTED, WHITE ON BLACK
LABELS	-	2 HOUR U.L. - CLASS B
PANEL CONST. TYPE	STD	STANDARD DOOR



DOOR SECTION

ANCHORBOLT IS NOT VISIBLE AFTER WALL IS CONSTRUCTED

NOTES:

A. DO NOT FINISH CONSTRUCTION OF WALLS UNTIL ELEVATOR DOOR FRAMES ARE SET. REFER TO HORIZONTAL AND VERTICAL ROUGH OPENING DETAILS.

APPROVED BY

APPROVAL SPACE

PROJECT:
Binghamton University East Gym
BUILDING: Building 1 GROUP: Group 1
LOCATION:

ENG/ARCH:
CONTRACTOR:
Physical Facilities Department

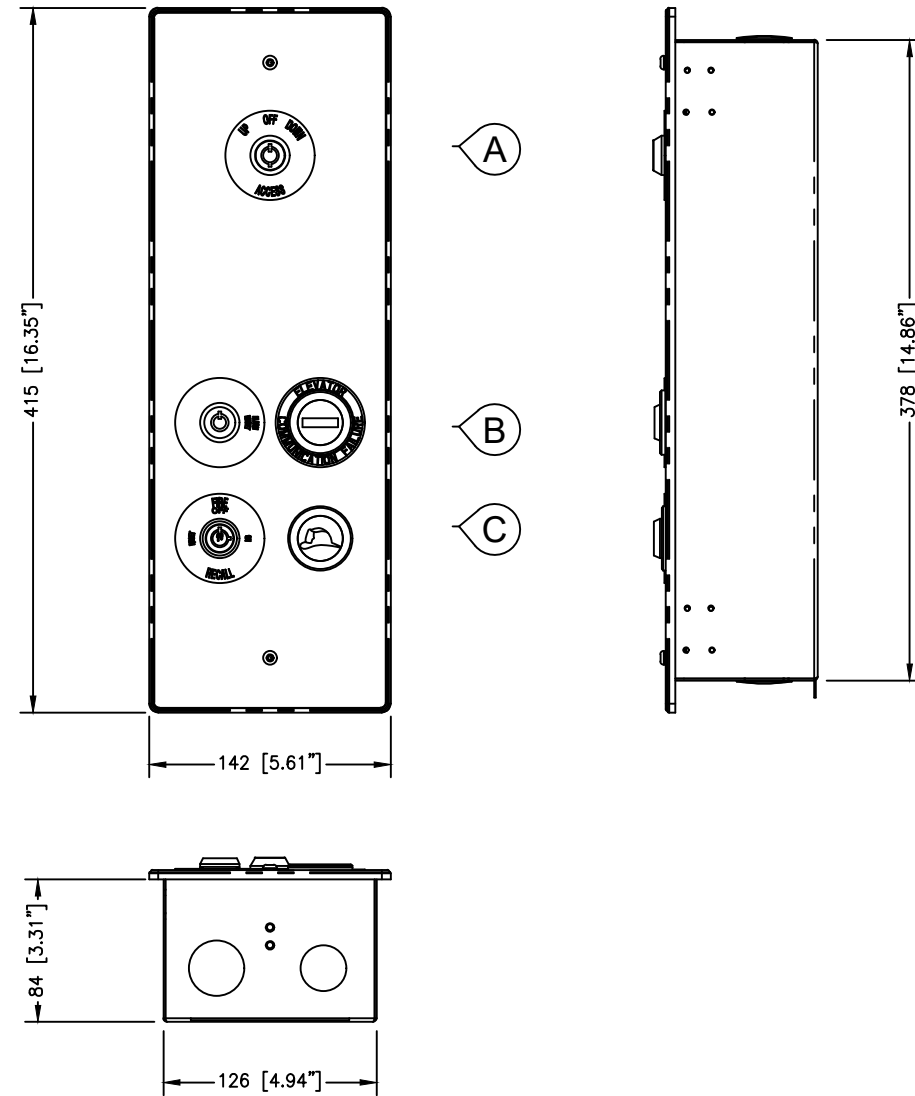
UNIT	NO	DATE	BY	DESCRIPTION
		2024-04-02	HAR	PRELIMINARY
			CK	DESCRIPTION

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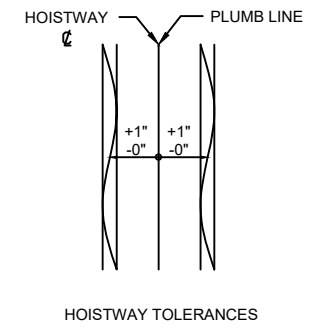
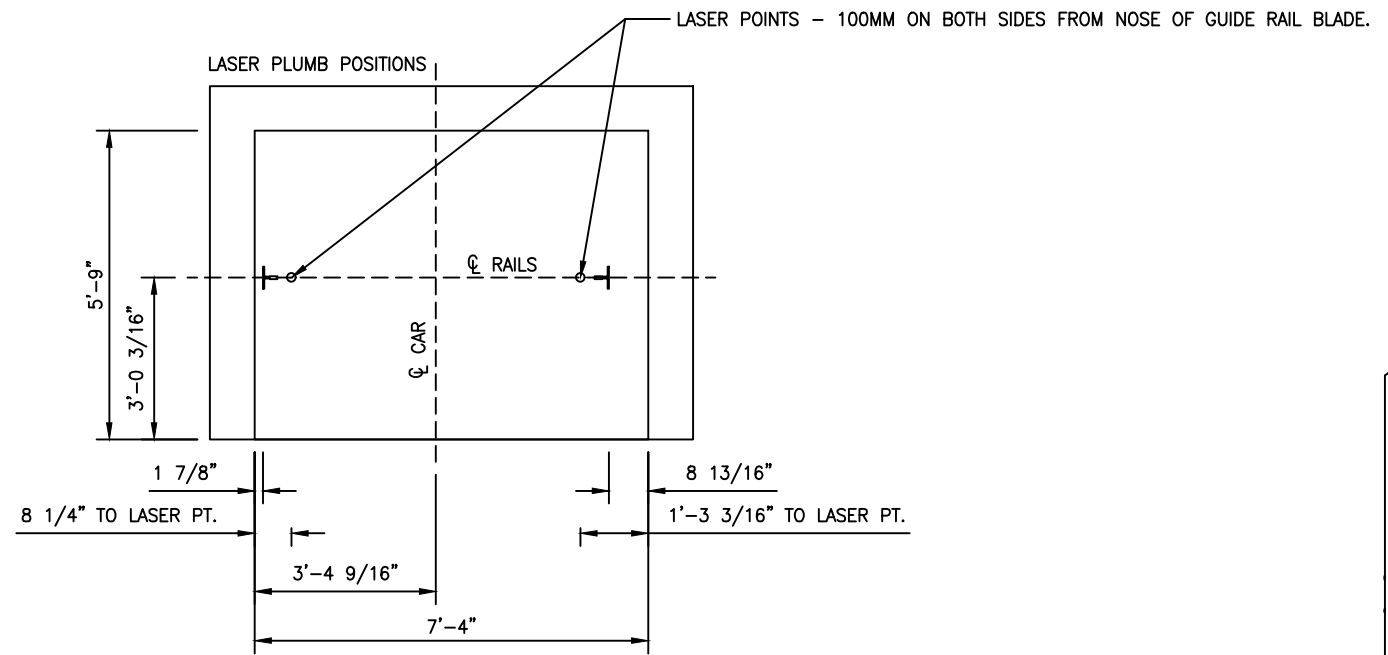
GENERATED ON: 04/02/24	BY: HSI	REV -
UNITS: IMPERIAL	201-23.2	
DRAWING E-7305146-10010-010	DESCRIPTION ENTRANCE	SHEET 14 of 19

	GENERAL INFORMATION
	ELEVATOR CODE YEAR 2016
	MACHINERY POSITION RIGHT
	SIGNALIZATION SERIES
	KSS570
	INDICATION LANGUAGE
	ENGLISH
A	HOISTWAY ACCESS SWITCH
	KONE 1 SWITCH
B	TELEPHONE LINE MONITOR DEVICE
	KONE 4 SWITCH
	ELEVATOR COMM FAILURE PILOT LIGHT
C	FIREMAN DEVICES
	FEO-K1 KEY SWITCH
	FRD PILOT LIGHT



APPROVED BY			
APPROVAL SPACE			
PROJECT: Binghamton University East Gym			
BUILDING: Building 1		GROUP: Group 1	
LOCATION:			
ENG/ARCH:			
CONTRACTOR: Physical Facilities Department			
UNIT INFO			
REVISIONS	ITEM NO.	NETWORK NO.	EQUIPMENT NO.
2024-04-02	-	HAR	PRELIMINARY
DATE	NO	BY	CK DESCRIPTION
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KONE			
GENERATED ON: 04/02/24		BY: HSI	REV -
UNITS: IMPERIAL		201-23.2	
DRAWING F-7305146-10010	DESCRIPTION SERVICE PANEL	SHEET 18 of 19	

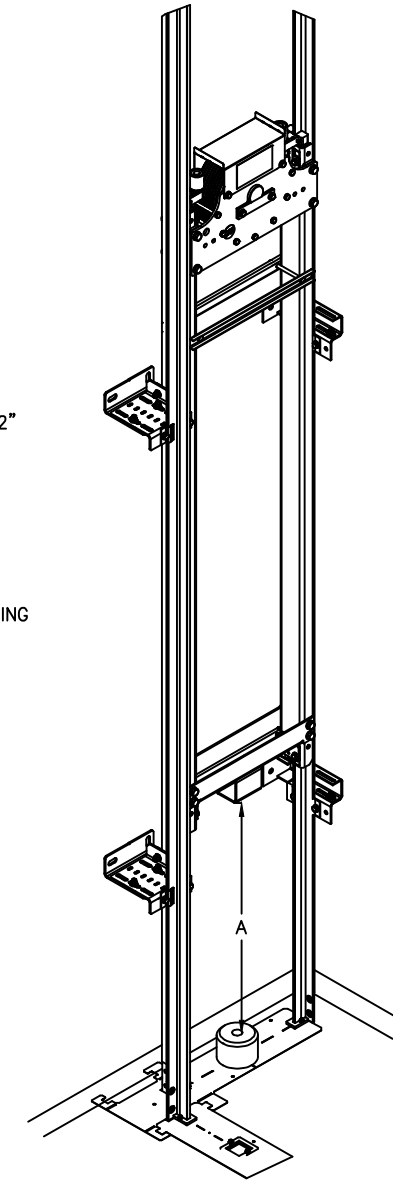
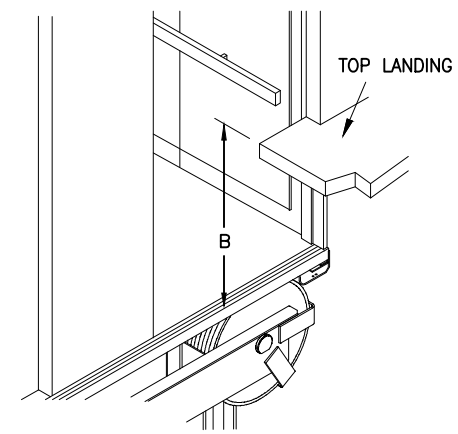
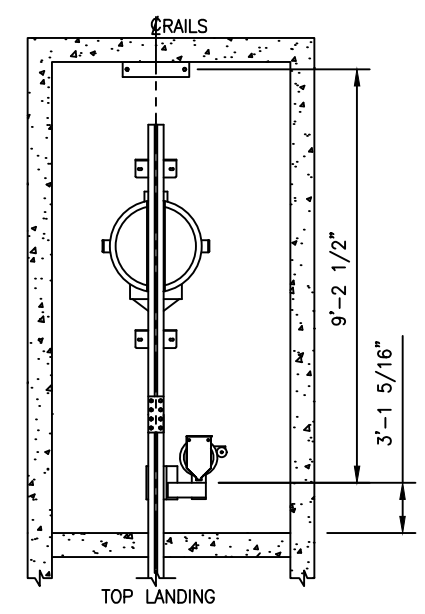
T-0007305146-10010-010
 Monospace 300
 ELEVATOR 1
 2000#
 150 FPM



NOTE: LASER POSITIONS ARE SET TO NOMINAL PLUMBED DIMENSIONS -0+1 [-0+25MM]. LANDING DOOR ENTRANCES SILL ANGLE ASSUMES A PARALLEL FRONT WALL, A 1/2" [6MM] HAS BEEN ADDED ENABLING SILL ANGLE TO ACCOMMODATE, ANY BIGGER DEVIATIONS REQUIRES REVALIDATION AND ADJUSTMENT OF STARTER PLATE POSITION.

ALIGNMENT TOOL SETTINGS:
 CAR DBG = 6'-0 1/2"
 CWT DBG = 1'-8 15/16"
 TELESCOPIC POLE PIN-PIN = 6'-6 13/16"

A = 3'-11 1/2"
 B = 3'-3"



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APPROVAL SPACE

PROJECT:
 Binghamton University East Gym
 BUILDING: Building 1 GROUP: Group 1
 LOCATION:

ENG/ARCH:

CONTRACTOR:
 Physical Facilities Department

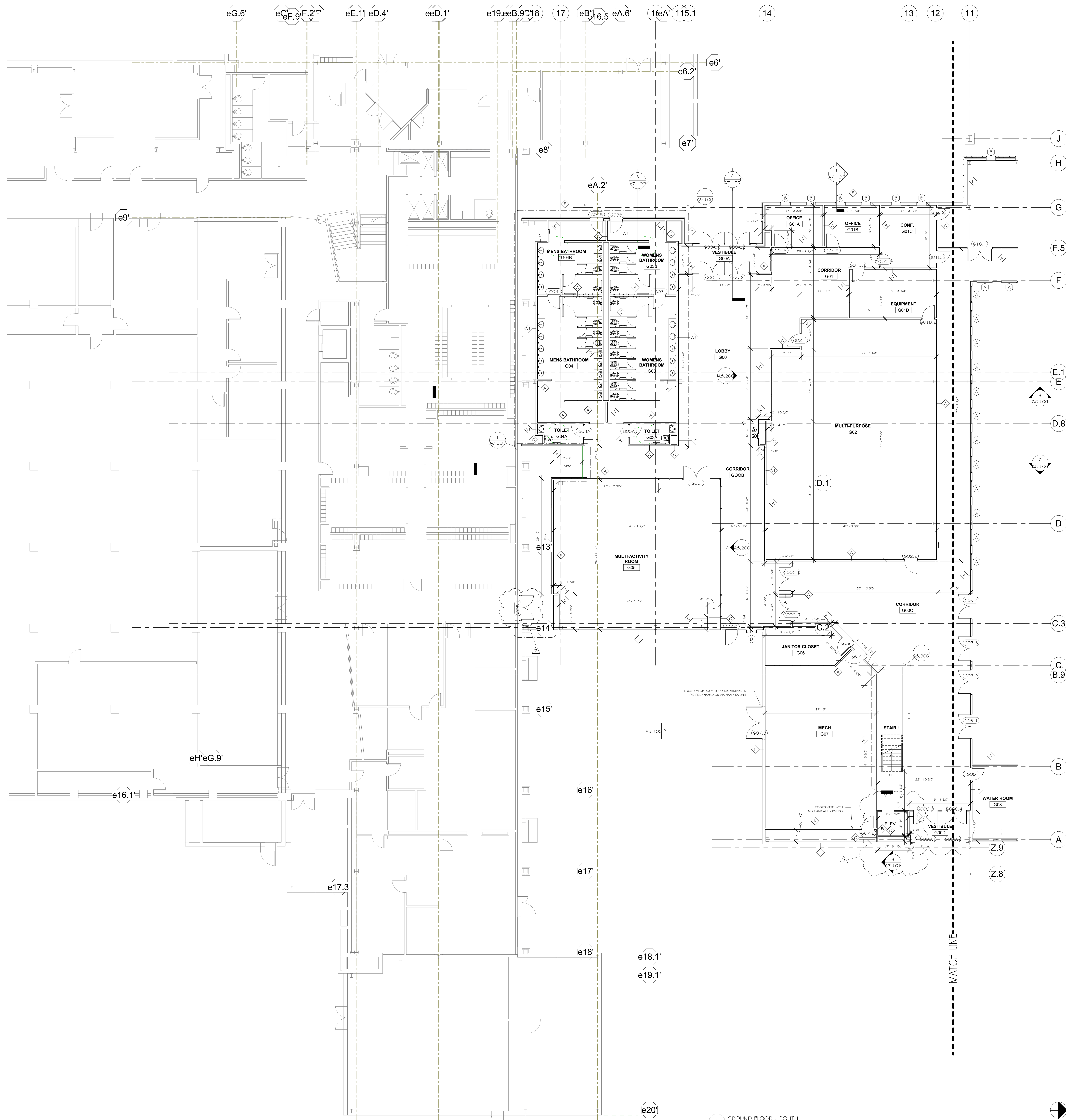
UNIT INFO	ITEM NO.	NETWORK NO.	EQUIPMENT NO.

REVISIONS	DATE	NO	BY	CK	DESCRIPTION
	2024-04-02	-	HAR		

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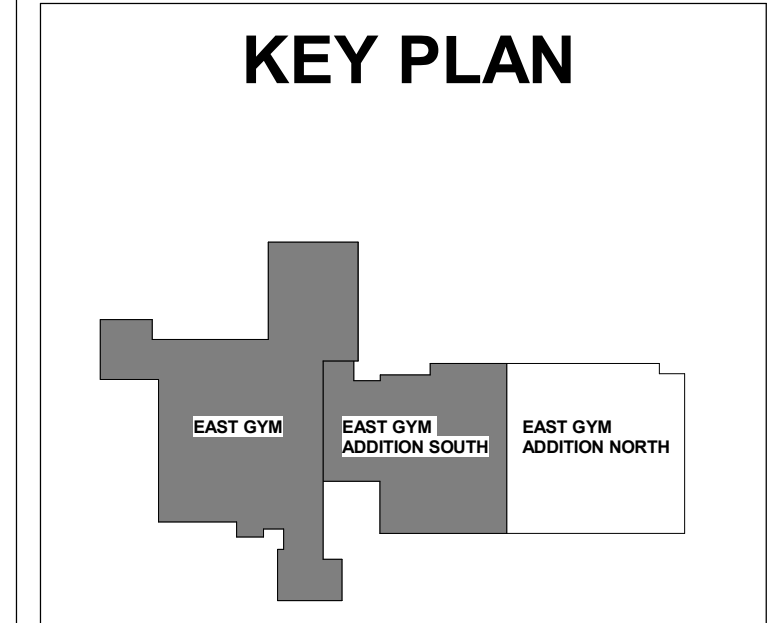
KONE

GENERATED ON: 04/02/24	BY: HSI	REV: -
UNITS: IMPERIAL	201-23.2	
DRAWING: M-7305146-10010-010	DESCRIPTION: INSTALLATION	SHEET: 19 of 19



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EAST GYM ADDITION



BINGHAMTON UNIVERSITY
P.O. BOX 6000
4400 VESTAL PARKWAY EAST
BINGHAMTON, NY 13902-6000

PHYSICAL FACILITIES
PH (607) 777-2224
FAX (607) 777-2340

CAMPUS BUILDING NAME:
"EAST GYM"

CAMPUS BUILDING NO. 001

REVISIONS

No.	Description	Date
1	ADDENDUM #3	04.29.2024
2	ADDENDUM #4	XXXX

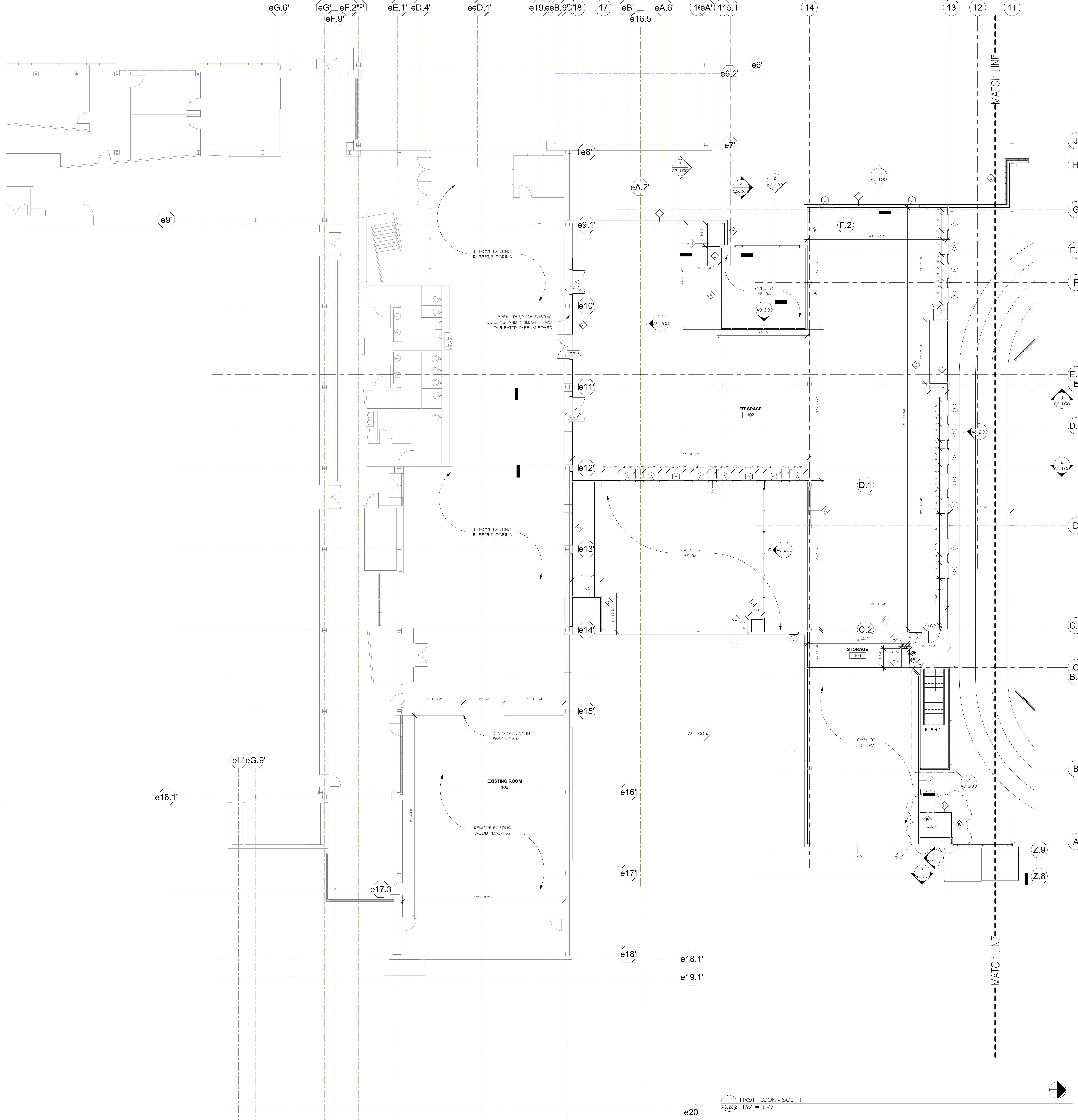
Ground Floor Plan South

Project No. WO339455
Date 2024.04.15
Drawn By Nicolette Burch
Checked By William Hall

A3.102

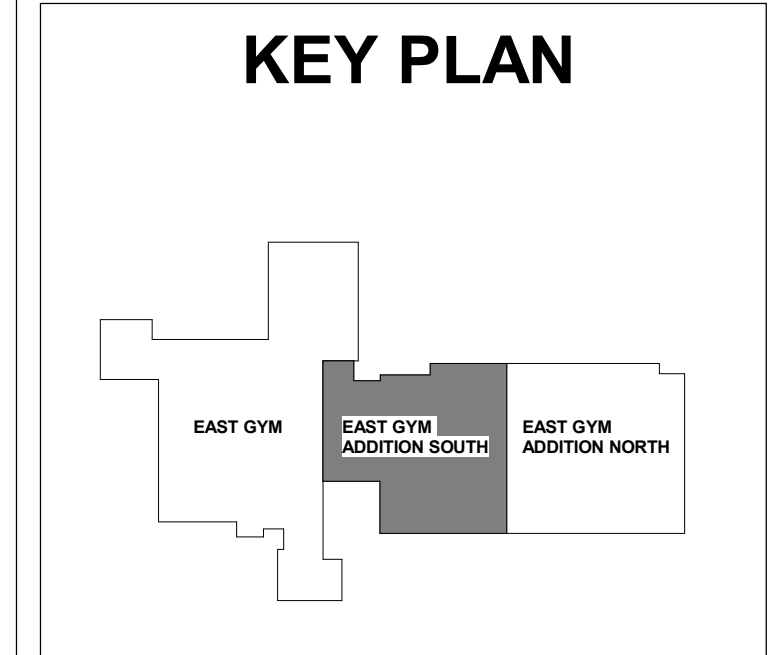
Scale: AS NOTED

1 GROUND FLOOR - SOUTH
A3.102 1/8" = 1'-0"



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EAST GYM ADDITION



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P.O. BOX 6000
4400 VESTAL PARKWAY EAST
BINGHAMTON, NY 13902-6000

PHYSICAL FACILITIES
PH (607) 777-2224
FAX (607) 777-2340

CAMPUS BUILDING NAME:
"EAST GYM"

CAMPUS BUILDING NO. 001

REVISIONS

No.	Description	Date
2	ADDENDUM #4	XXXX

First Floor Plan South

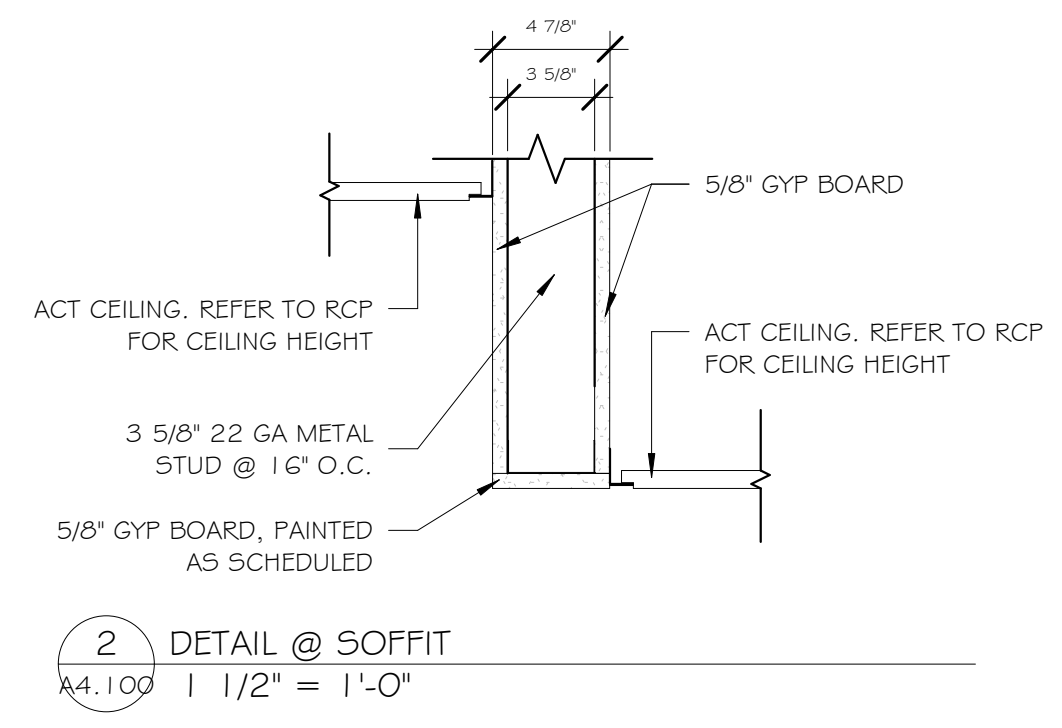
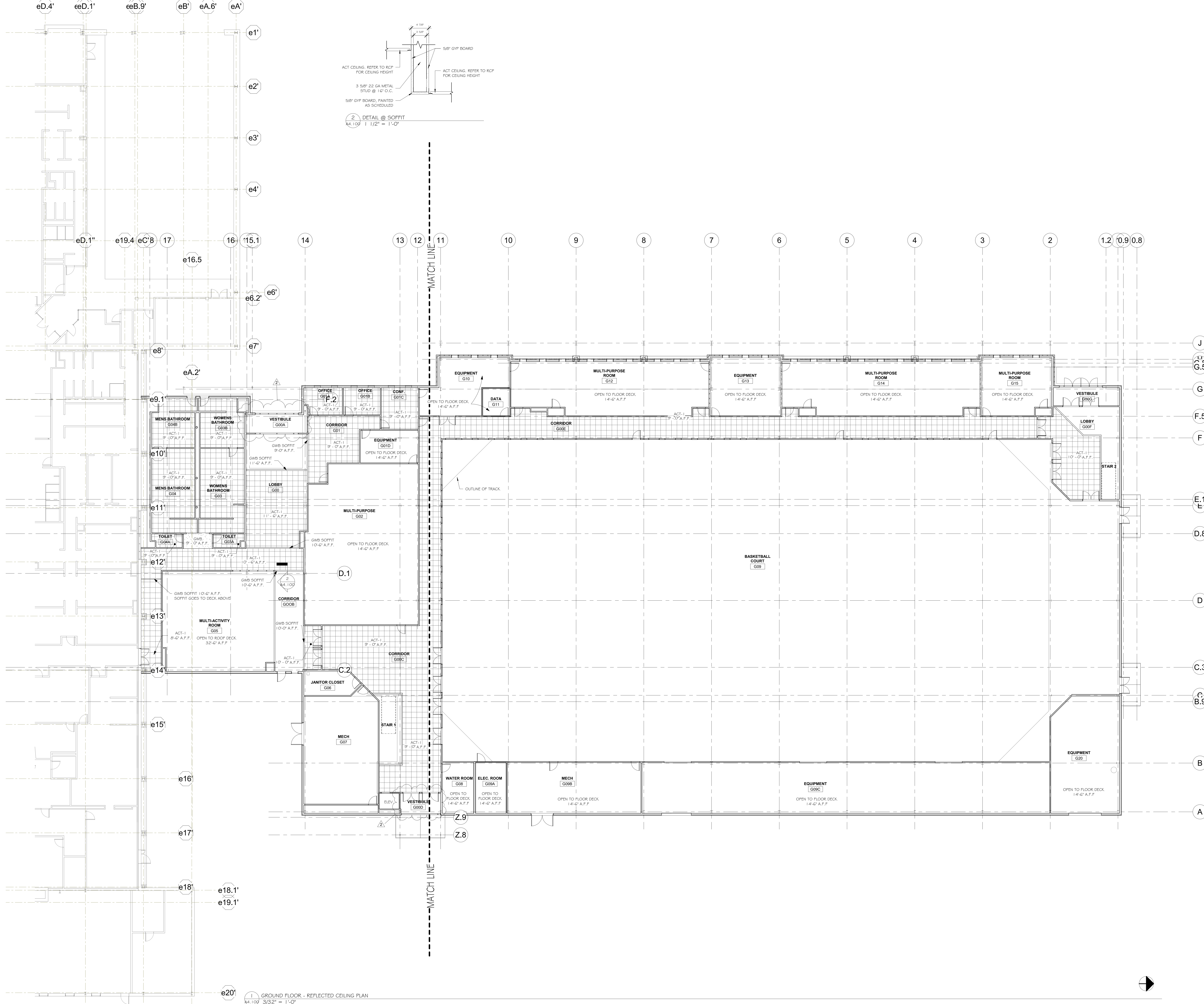
Project No. WO339455
Date 2024.04.15
Drawn By Nicolette Burch
Checked By William Hall

A3.202

Scale: AS NOTED

1 FIRST FLOOR - SOUTH
A3.202 1/8" = 1'-0"

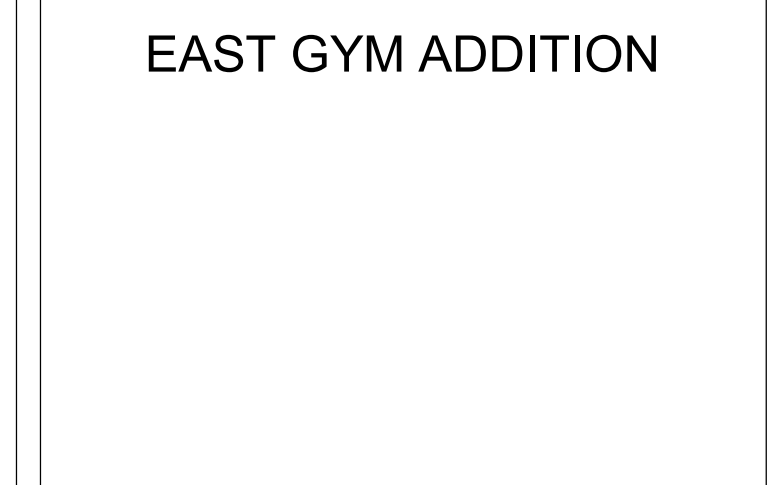
5/12/2024 1:23:51 PM



1 GROUND FLOOR - REFLECTED CEILING PLAN
 3/32" = 1'-0"

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EAST GYM ADDITION



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 P.O. BOX 6000
 4400 VESTAL PARKWAY EAST
 BINGHAMTON, NY 13902-6000
 PHYSICAL FACILITIES
 PH (607) 777-2224
 FAX (607) 777-2340
 CAMPUS BUILDING NAME:
 'EAST GYM'
 CAMPUS BUILDING NO. 001

REVISIONS

No.	Description	Date
2	ADDENDUM #4	XXXX

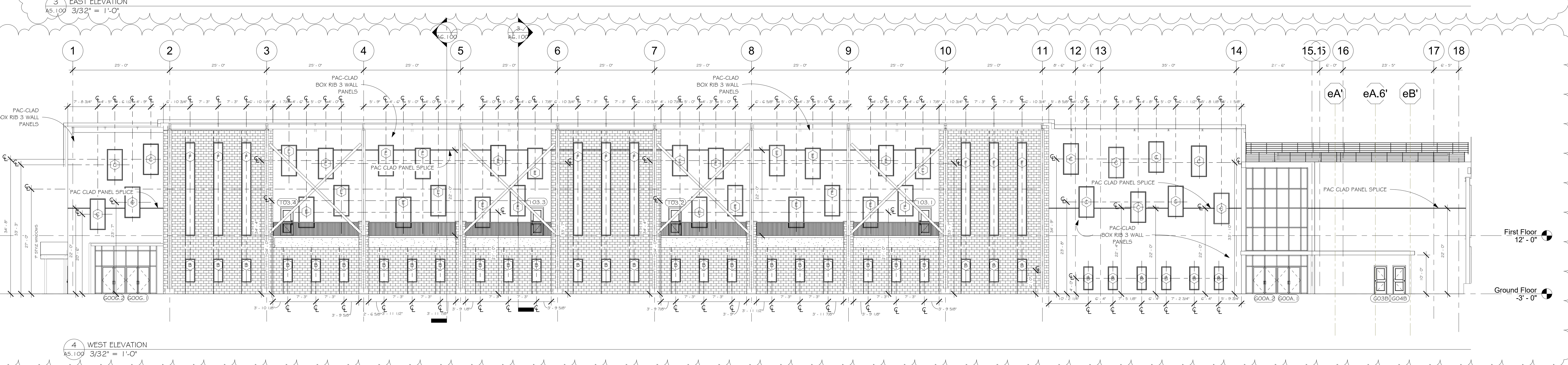
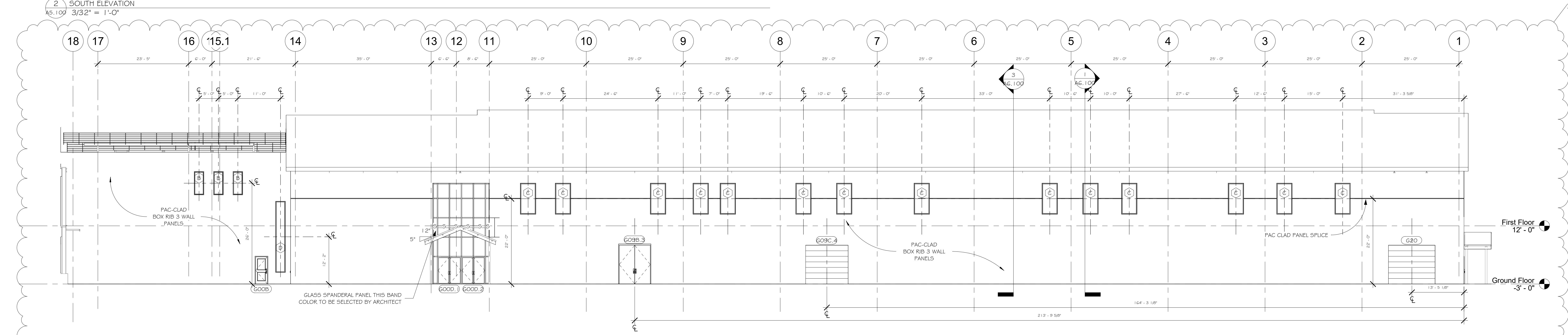
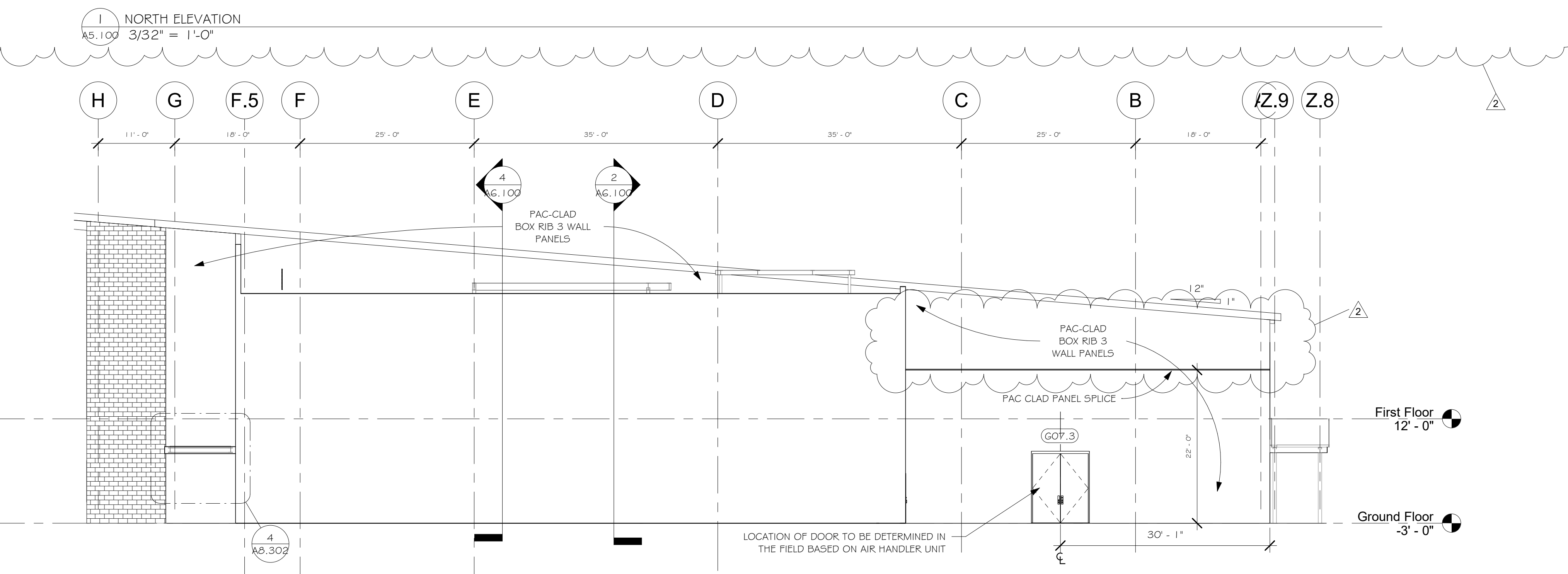
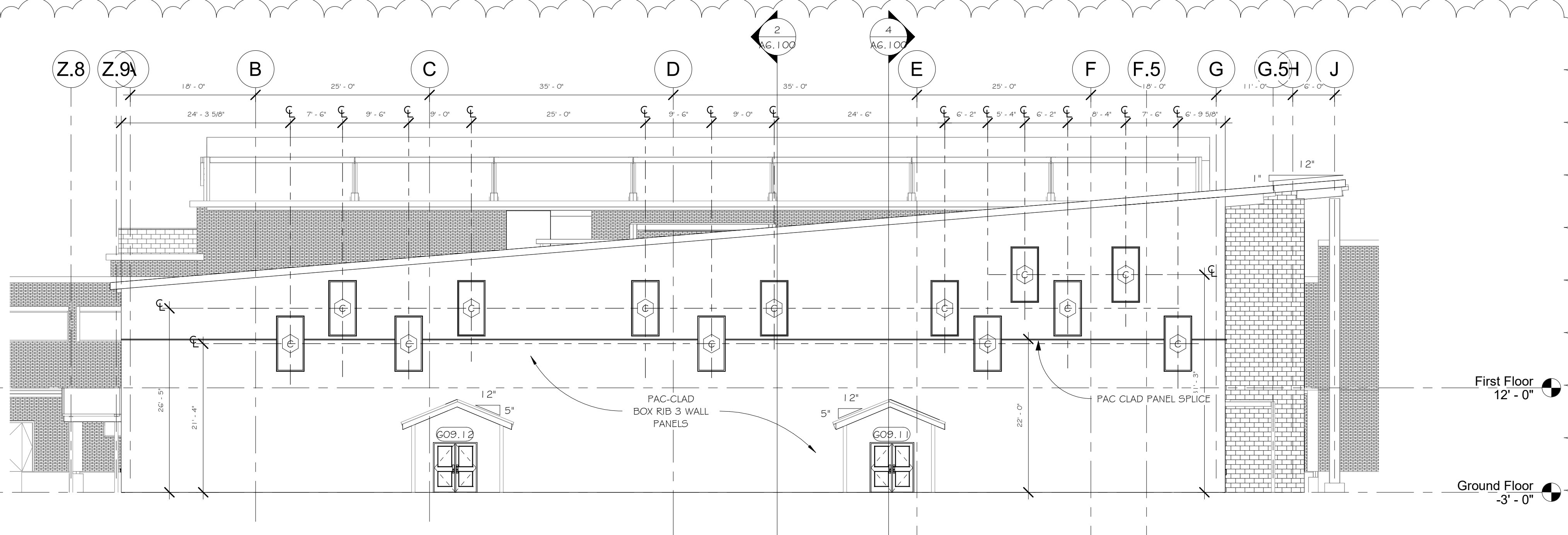
REVISIONS

No.	Description	Date

Ground Floor Ceiling Plan

Project No. WO339455
 Date 2024.04.15
 Drawn By Nicolette Burch
 Checked By William Hall

A4.100
 Scale: AS NOTED

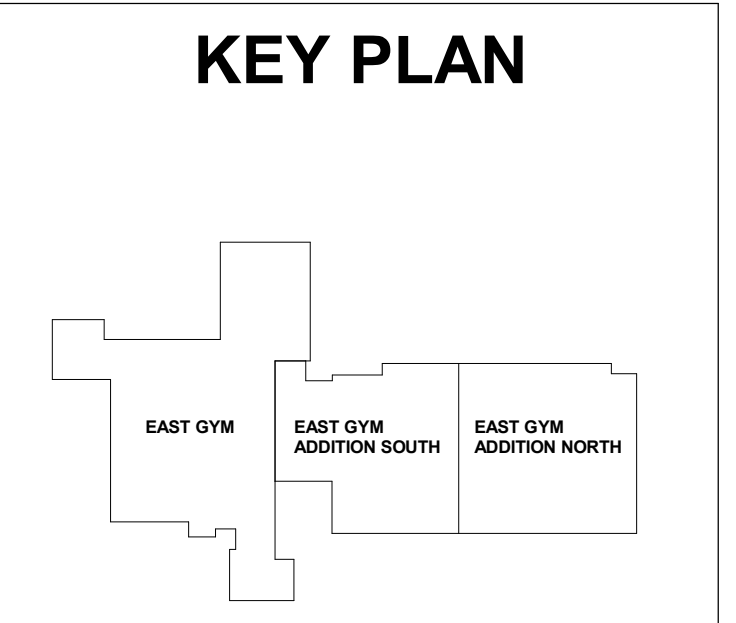


PAC-CLAD TYPICAL DETAILS



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EAST GYM ADDITION



KEY PLAN

BINGHAMTON UNIVERSITY
P.O. BOX 6000
4400 VESTAL PARKWAY EAST
BINGHAMTON, NY 13902-6000

PHYSICAL FACILITIES
PH (607) 777-2224
FAX (607) 777-2340

CAMPUS BUILDING NAME:
"EAST GYM"

CAMPUS BUILDING NO. 001

REVISIONS

No.	Description	Date	
2	1	ACG/NU/Control Joints	06/30/24

Exterior Elevations

Project No. WO339455
Date 2024.04.15
Drawn By Nicolette Burch
Checked By William Hall

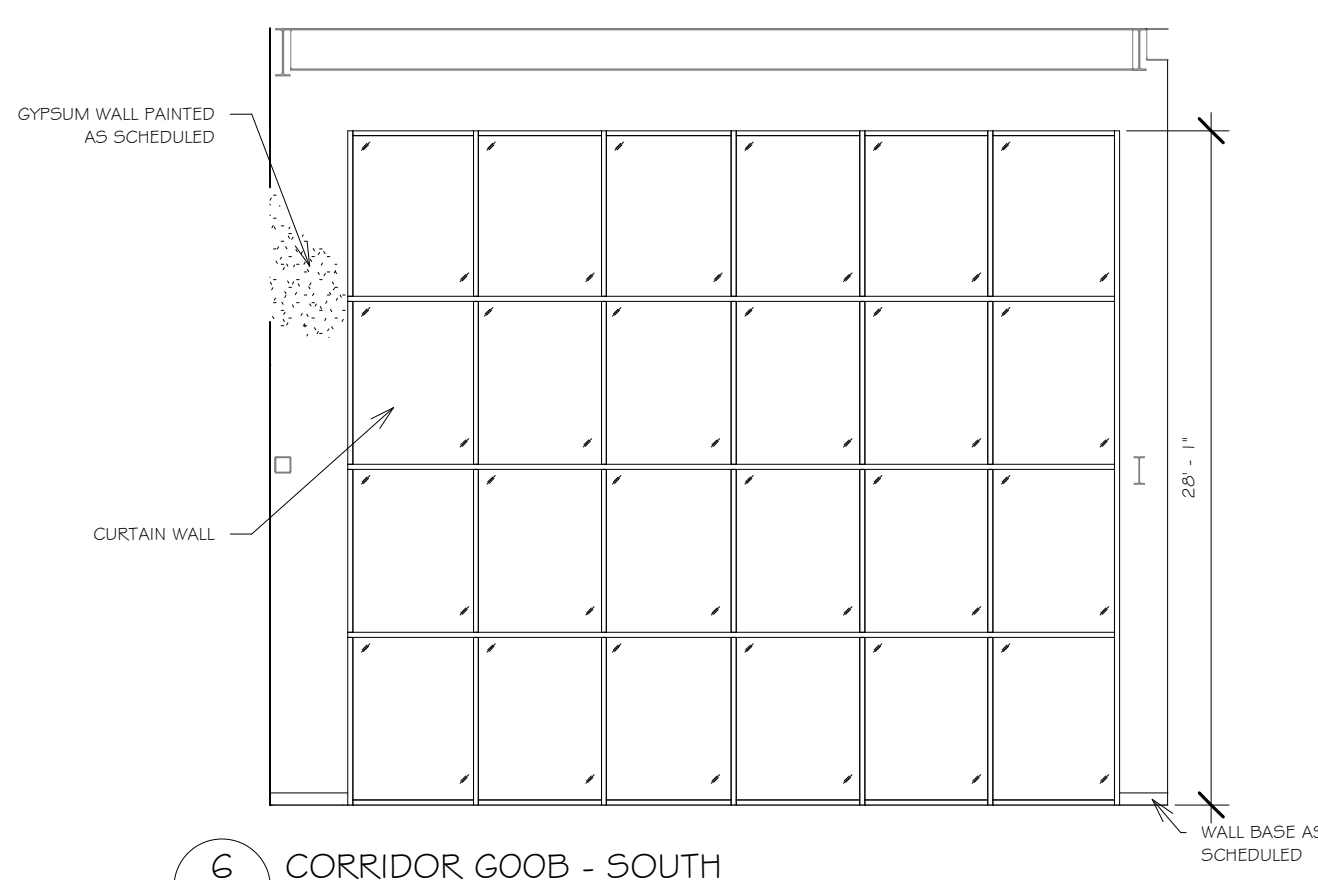
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Scale: AS NOTED

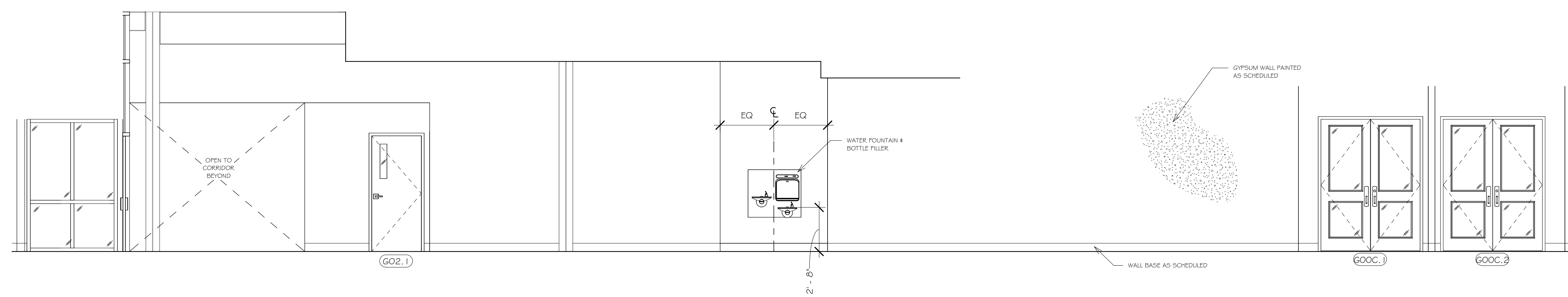
WINDOW SCHEDULE Copy 1

MARK	WIDTH	HEIGHT	FRAME MATERIAL	FINISH	GLASS TYPE	INTERIOR/EXTERIOR	NOTES
A	4' - 0"	8' - 0"	HOLLOW METAL	PAINT		INTERIOR	
B	2' - 6"	6' - 0"	ALUMINIUM	CLEAR ANODIZED	GS1	EXTERIOR	
C	4' - 0"	8' - 0"	ALUMINIUM	CLEAR ANODIZED	GS1	EXTERIOR	
D	2' - 6"	1 8' - 4"	ALUMINIUM	CLEAR ANODIZED	GS1	EXTERIOR	
E	4' - 0"	8' - 0"	ALUMINIUM	CLEAR ANODIZED	GS2	EXTERIOR	SAGE GLASS
F	2' - 6"	24' - 0"	ALUMINIUM	CLEAR ANODIZED	GS2	EXTERIOR	SAGE GLASS

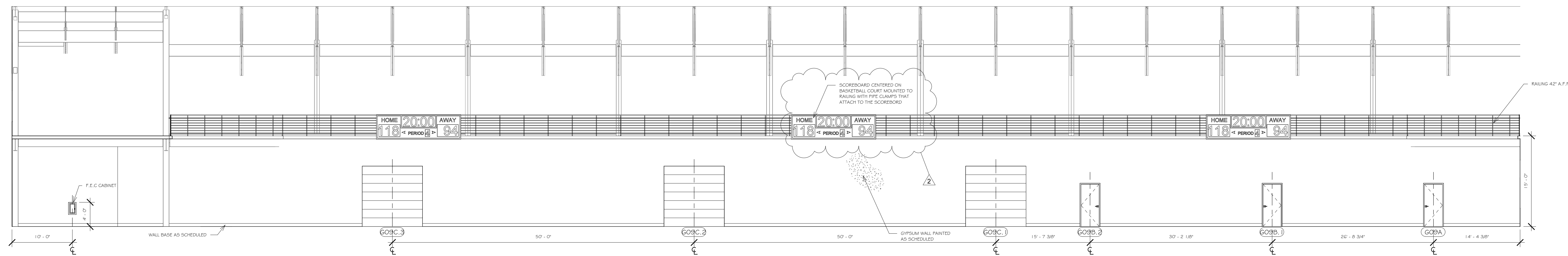
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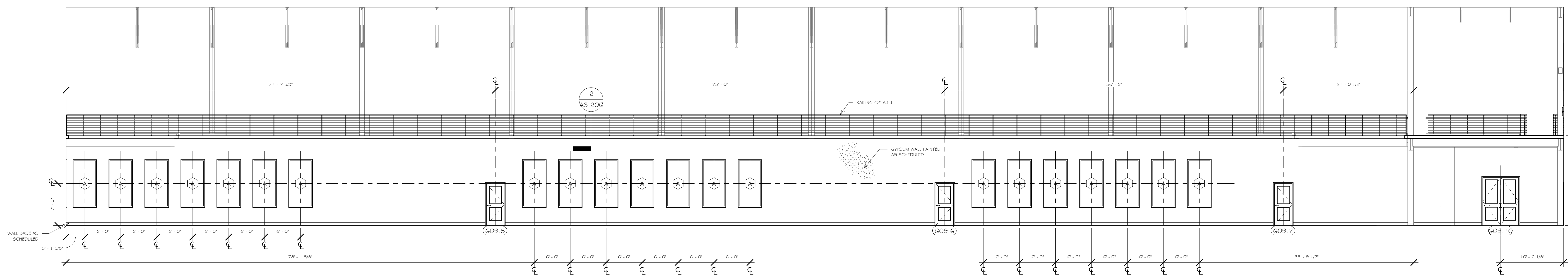
6 CORRIDOR 00B - SOUTH
A8.200 1/8" = 1'-0"



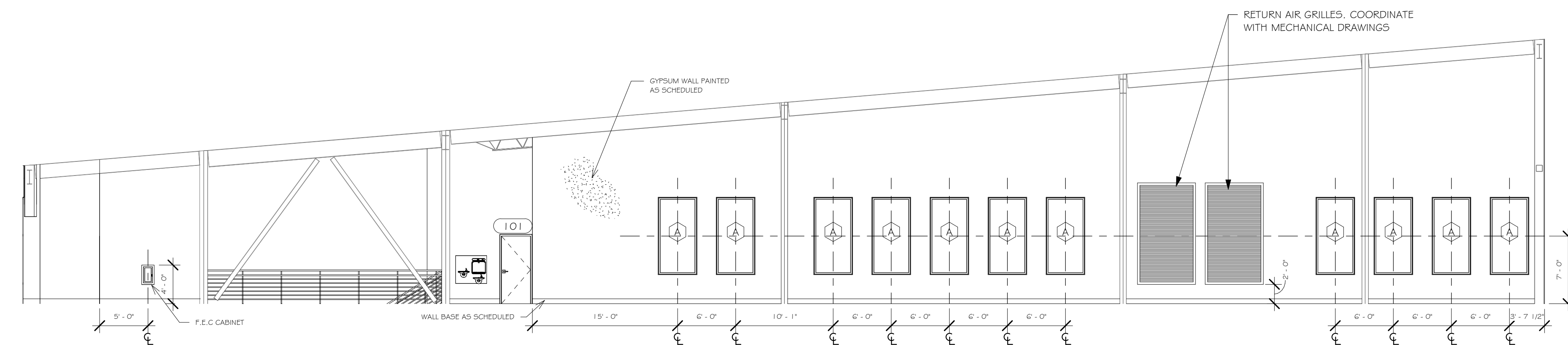
1 LOBBY 000 - NORTH
A8.200 1/4" = 1'-0"



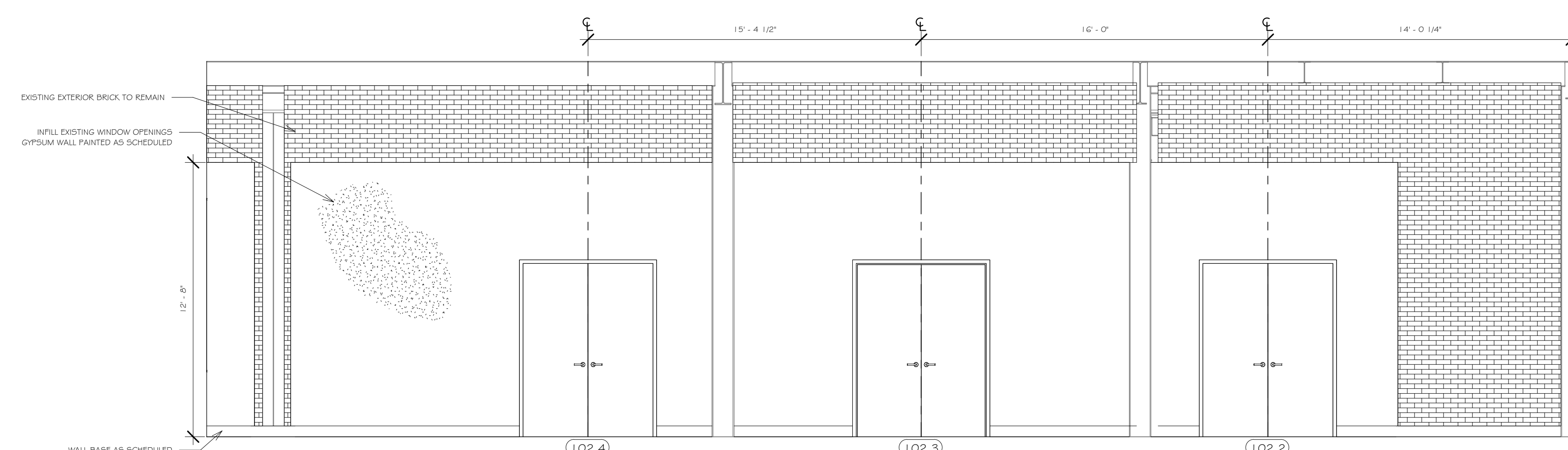
2 BASKETBALL COURT - EAST
A8.200 1/8" = 1'-0"



3 BASKETBALL COURT - WEST
A8.200 1/8" = 1'-0"



4 TRACK 103 - SOUTH
A8.200 1/8" = 1'-0"



5 FITSPACE 102 - SOUTH
A8.200 1/4" = 1'-0"

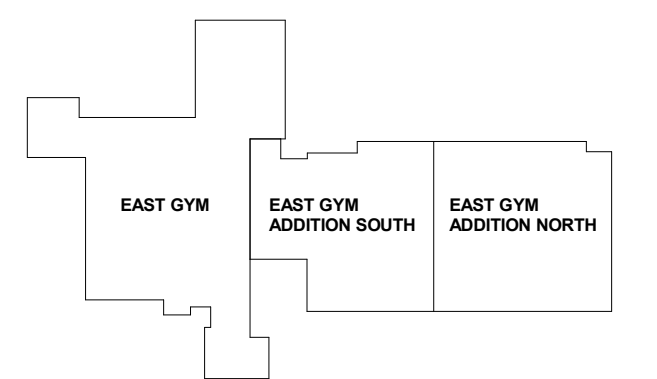


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EAST GYM ADDITION

KEY PLAN



BINGHAMTON UNIVERSITY
P.O. BOX 6000
4400 VESTAL PARKWAY EAST
BINGHAMTON, NY 13902-6000

PHYSICAL FACILITIES
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CAMPUS BUILDING NAME:
"EAST GYM"

CAMPUS BUILDING NO. 001

REVISIONS

No.	Description	Date
1	ADDENDUM #3	04.29.2024
2	ADDENDUM #4	XXXX

Interior Elevations

Project No. WO339455
Date 2024.04.15
Drawn By Nicolette Burch
Checked By William Hall

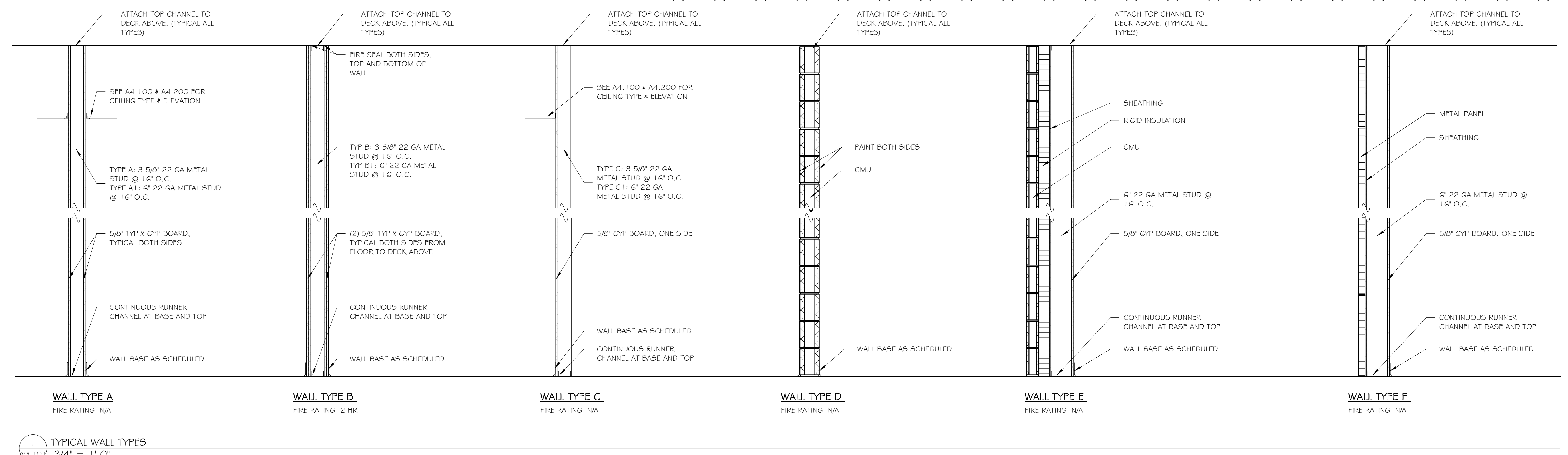
A8.200

Scale: AS NOTED

FINISH NOTES	
1. ALL INTERIOR DOORS AND FRAMES SHALL BE PAINTED PT-2.	
2. ALL FLOORING FINISHES TO BE SPLT EVENLY UNDER DOOR.	
3. PROVIDE TRANSITION STRIPS BETWEEN DIFFERENT FLOORING TYPES.	

FINISH TYPES	
CONCRETE:	
CONC-1: SEALED CONCRETE	
CONC-2: EPOXY PAINTED CONCRETE	
HARDWOOD:	
HWD-1: CONNOR SPORTS VIP, MAPLE	
PORCELAIN TILE:	
TL-1: CAESAR CERAMICS ORIGIN 24" X 48" TILE, BOULDER	
WTL-1: CAESAR CERAMICS ORIGIN 12" X 24" TILE, ARCTIC	
WTL-2: CAESAR CERAMICS ORIGIN 3" X 8" MOSAIC TILE, ARCTIC	
WTL-3: CAESAR CERAMICS ORIGIN 12" X 24" TILE, CANYON	
RUBBER:	
RB-1: TARKETT SPORTS DROPZONE COMFORT; GREEN DZ 107B	
RB-2: MONDO SPORTFLX M 12mm; MEDIUM GREY P31	
RB-3: TARKETT SPORTS DROPZONE ELITE 22.5MM; GREEN DZ 107B	
RBT-1: TARKETT MESTO CONFIGURATIONS 24" X 6" TILE; NOBLE KNIGHT P53	
RBT-2: TARKETT MESTO CONFIGURATIONS 24" X 6" TILE; NOBLE KNIGHT LIGHT P53	
RBT-3: TARKETT MESTO CONFIGURATIONS 24" X 6" TILE; CUSTOM COLOR 19369	
TERRAZZO:	
TER-1:	
VCT:	
VCT-1: ARMSTRONG STANDARD EXCELON IMPERIAL TEXTURE; CLASSIC WHITE 51911	
VCT-2: ARMSTRONG STANDARD EXCELON IMPERIAL TEXTURE; CHARCOAL 51915	
VCT-3: ARMSTRONG STANDARD EXCELON IMPERIAL TEXTURE; BASIL GREEN 51947	
INDOOR TURF:	
T-1: SPEEDTURF 58, GREEN	
RUBBER STAIR TREAD:	
RST-1: JOHNSONITE RUBBER STAIR TREADS, BAMBOO TEXTURE; 48 GREY, 40 BLACK INSERT	
BASE:	
B-1: 6" JOHNSONITE WALL BASE; 20 CHARCOAL	
B-2: CAESAR CERAMICS ORIGIN 6" X 2" TILE COVE BASE; BOULDER	
PAINT:	
PT-1: SHERWIN WILLIAMS BU 1055	
PT-2: SHERWIN WILLIAMS SW 7574 PEPPERCORN	
PT-3: FLAT WHITE PAINT	
ACOUSTICAL CEILING TILE:	
ACT-1: 2 X 2 CEILING TILE	

ROOM NUMBER	NAME	FLOOR				WALLS				CEILING		COMMENTS
		MAT.	FINISH	BASE FINISH	NORTH	EAST	SOUTH	WEST	MAT.	FINISH		
GOO	LOBBY	TERRAZZO	TER-1	B-1	PT-1	PT-1	PT-1	PT-1	ACT; EXPOSED; GYP	ACT-1; PT-1; PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE. SOFFITS TO BE PAINTED PT-1	
GO0A	VESTIBULE	TERRAZZO	TER-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
GO0C	CORRIDOR	TERRAZZO; VCT	TER-1, VCT-1, VCT-2, VCT-3	B-1	PT-1	PT-1	PT-1	PT-1	ACT	ACT-1	SEE FINISH PLAN FOR EXTENTS OF EACH MATERIAL. PATTERN IN VCT TO BE DETERMINED.	
GO0D	VESTIBULE	TERRAZZO	TER-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
GO0E	CORRIDOR	VCT	VCT-1, VCT-2, VCT-3	B-1	PT-1	PT-1	PT-1	PT-1	ACT	ACT-1	REFER TO FLOOR FINISH PLAN FOR PATTERN	
GO0F	LOBBY	TERRAZZO	TER-1	B-1	PT-1	PT-1	PT-1	PT-1	ACT; EXPOSED	ACT-1; PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
GO0G	VESTIBULE	TERRAZZO	TER-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
GO1	CORRIDOR	RUBBER TILE	RBT-1, RBT-2, RBT-3	B-1	PT-1	PT-1	PT-1	PT-1	ACT	ACT-1	REFER TO FLOOR FINISH PLAN FOR PATTERN	
GO1A	OFFICE	RUBBER TILE	RBT-1, RBT-2, RBT-3	B-1	PT-1	PT-1	PT-1	PT-1	ACT	ACT-1	REFER TO FLOOR FINISH PLAN FOR PATTERN	
GO1B	OFFICE	RUBBER TILE	RBT-1, RBT-2, RBT-3	B-1	PT-1	PT-1	PT-1	PT-1	ACT	ACT-1	REFER TO FLOOR FINISH PLAN FOR PATTERN	
GO1C	CONF.	RUBBER TILE	RBT-1, RBT-2, RBT-3	B-1	PT-1	PT-1	PT-1	PT-1	ACT	ACT-1	REFER TO FLOOR FINISH PLAN FOR PATTERN	
GO1D	EQUIPMENT	VCT	VCT-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
GO2	MULTI-PURPOSE	HARDWOOD	HWD-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
GO3	WOMENS BATHROOM	PORCELAIN TILE	TL-1	B-2	WTL-1	WTL-1	WTL-1	WTL-1	ACT	ACT-1	REFER TO INTERIOR ELEVATIONS FOR EXTENTS OF EACH MATERIAL	
GO3A	TOILET	PORCELAIN TILE	TL-1	B-2	WTL-1	WTL-1	WTL-1	WTL-1	ACT	ACT-1	REFER TO INTERIOR ELEVATIONS FOR EXTENTS OF EACH MATERIAL	
GO3B	WOMENS BATHROOM	PORCELAIN TILE	TL-1	B-2	WTL-1	WTL-1	WTL-1	WTL-1	ACT	ACT-1	REFER TO INTERIOR ELEVATIONS FOR EXTENTS OF EACH MATERIAL	
GO4	MENS BATHROOM	PORCELAIN TILE	TL-1	B-2	WTL-3	WTL-3	WTL-3	WTL-3	ACT	ACT-1	REFER TO INTERIOR ELEVATIONS FOR EXTENTS OF EACH MATERIAL	
GO4A	TOILET	PORCELAIN TILE	TL-1	B-2	WTL-1	WTL-1	WTL-1	WTL-1	ACT	ACT-1	REFER TO INTERIOR ELEVATIONS FOR EXTENTS OF EACH MATERIAL	
GO4B	MENS BATHROOM	PORCELAIN TILE	TL-1	B-2	WTL-3	WTL-3	WTL-3	WTL-3	ACT	ACT-1	REFER TO INTERIOR ELEVATIONS FOR EXTENTS OF EACH MATERIAL	
GO5	MULTI-ACTIVITY ROOM	RUBBER	RB-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
GO6	JANITOR CLOSET	VCT	VCT-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
GO7	MECH	CONCRETE	CONC-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
GO8	WATER ROOM	CONCRETE	CONC-2	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
GO9	BASKETBALL COURT	HARDWOOD; RUBBER	HWD-1, RB-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	SEE FINISH PLAN FOR EXTENTS OF EACH FLOORING MATERIAL. PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
GO9A	ELEC. ROOM	CONCRETE	CONC-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
GO9B	MECH	CONCRETE	CONC-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
GO9C	EQUIPMENT	CONCRETE	CONC-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
G10	EQUIPMENT	VCT	VCT-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
G11	DATA	VCT	VCT-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
G12	MULTI-PURPOSE ROOM	HARDWOOD	HWD-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
G12A	CLOSET	HARDWOOD	HWD-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
G13	EQUIPMENT	VCT	VCT-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
G14	MULTI-PURPOSE ROOM	RUBBER	RB-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
G14A	CLOSET	RUBBER	RB-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
G15	MULTI-PURPOSE ROOM	RUBBER	RB-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
G15A	CLOSET	RUBBER	RB-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
G20	EQUIPMENT	CONCRETE	CONC-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
GO0B	CORRIDOR	TERRAZZO	TER-1	B-1	PT-1	PT-1	PT-1	PT-1	ACT; GYP; EXPOSED	ACT-1; PT-1; PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE. SOFFITS TO BE PAINTED PT-1	
ST1-G	STAIR 1	RUBBER	RST-1	--	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
ST2-G	STAIR 2	RUBBER	RST-1	--	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
I01	EXISTING FIT SPACE	RUBBER	RB-3	B-1	--	--	--	--	EXPOSED	--		
I02	FIT SPACE	RUBBER	RB-3	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
I03	TRACK	RUBBER	RB-2	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	PT-3	PAINT ALL EXPOSED UTILITIES AND EXPOSED STRUCTURE.	
I04	STORAGE	VCT	VCT-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
I06	EXISTING ROOM	RUBBER, INDOOR TURF	RB-3, T-1	B-1	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
ST1-1	STAIR 1	RUBBER	RST-1	--	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		
ST2-1	STAIR 2	RUBBER	RST-1	--	PT-1	PT-1	PT-1	PT-1	EXPOSED	--		



BINGHAMTON UNIVERSITY



DELTA ENGINEERS, ARCHITECTS, & SURVEYORS

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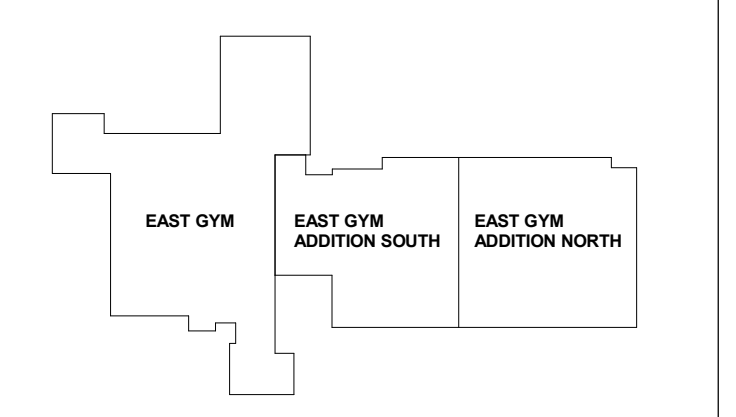
RYAN BIGGS CLARK DAVIS ENGINEERING & SURVEYING

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EAST GYM ADDITION

KEY PLAN



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CAMPUS BUILDING NAME:
"EAST GYM"

CAMPUS BUILDING NO. 001

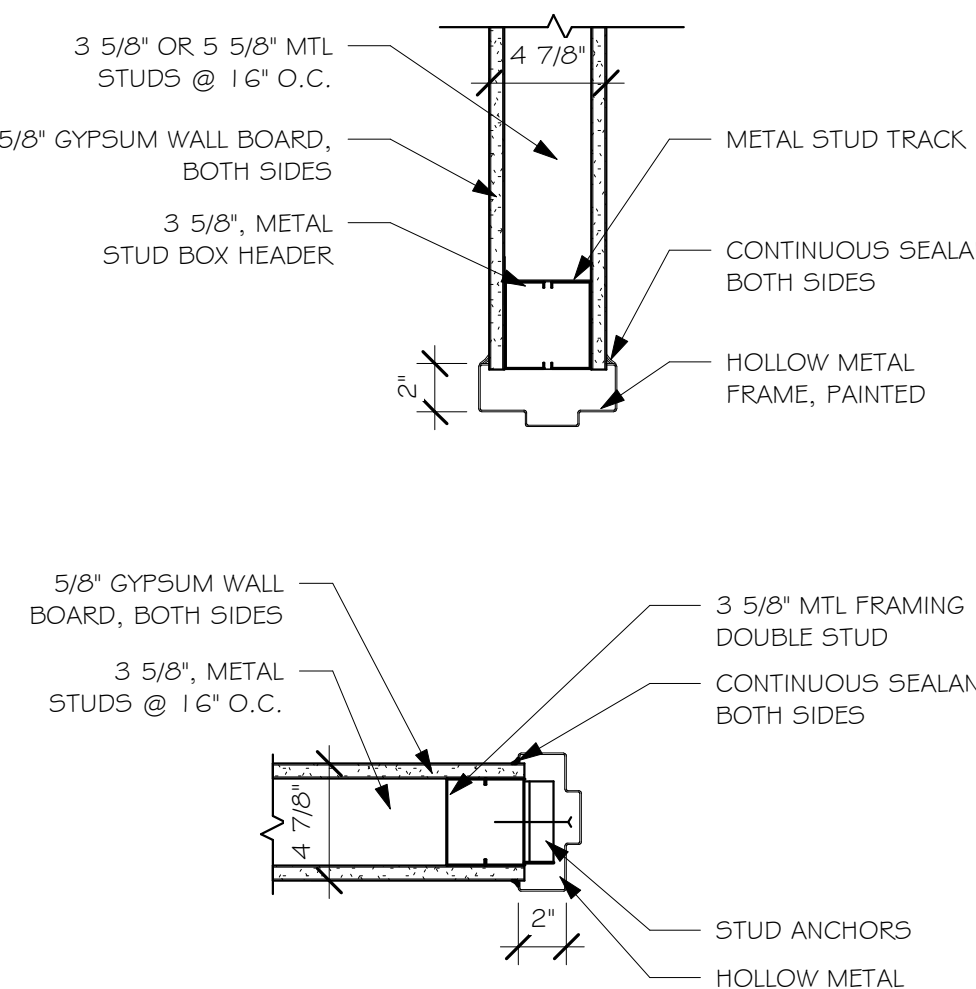
REVISIONS		
No.	Description	Date
2	ADDENDUM #1	XXXX

Room Finish Schedule & Wall Types

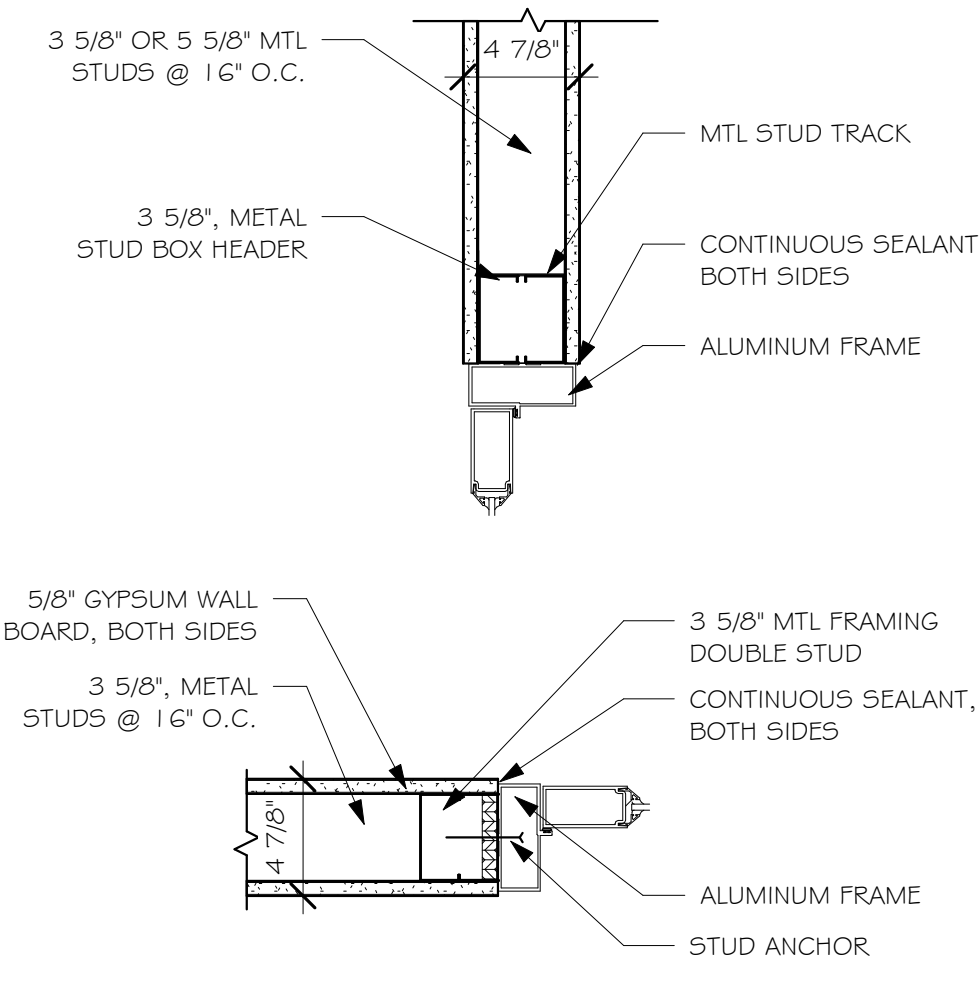
Project No. WO339455
Date 2024.04.15
Drawn By Nicolette Burch
Checked By William Hall

A9.101

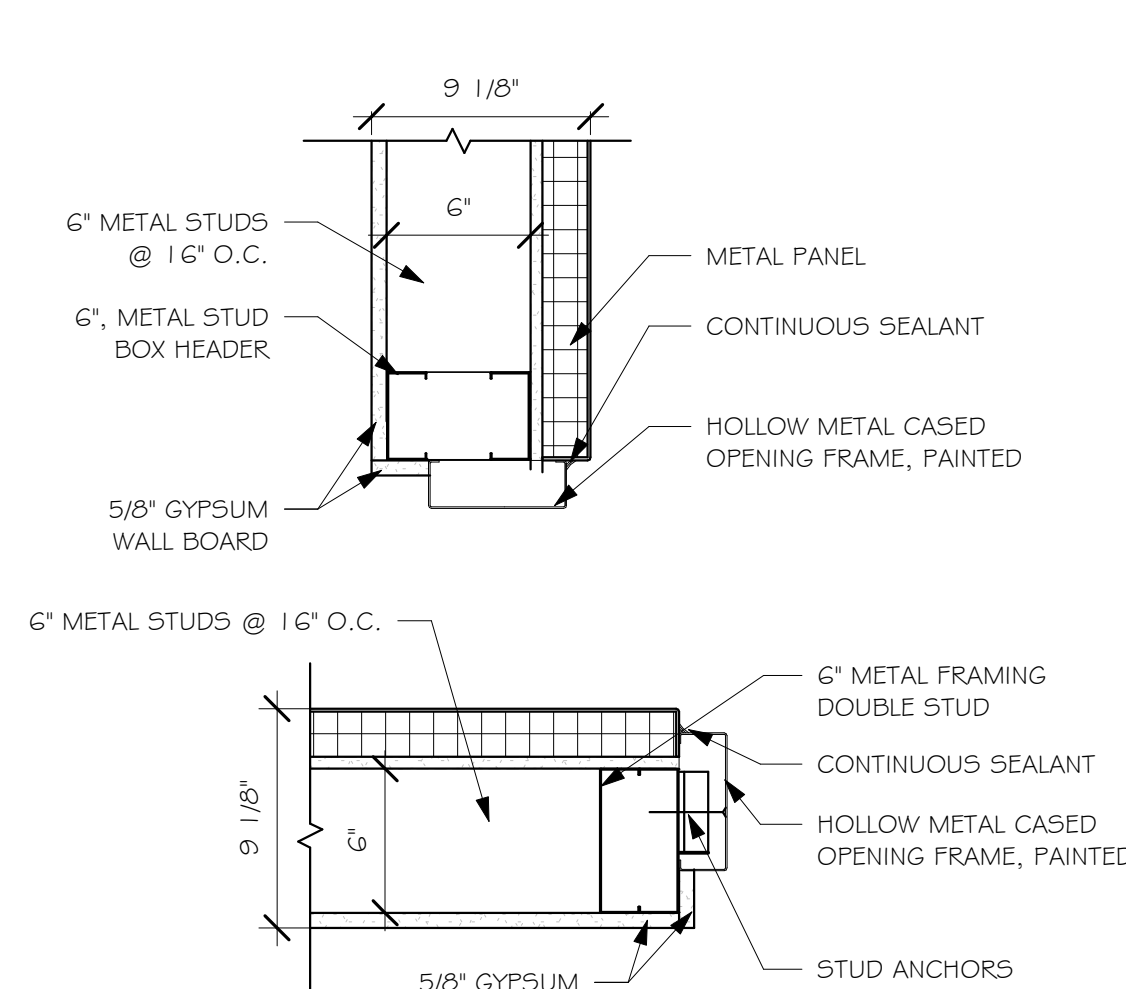
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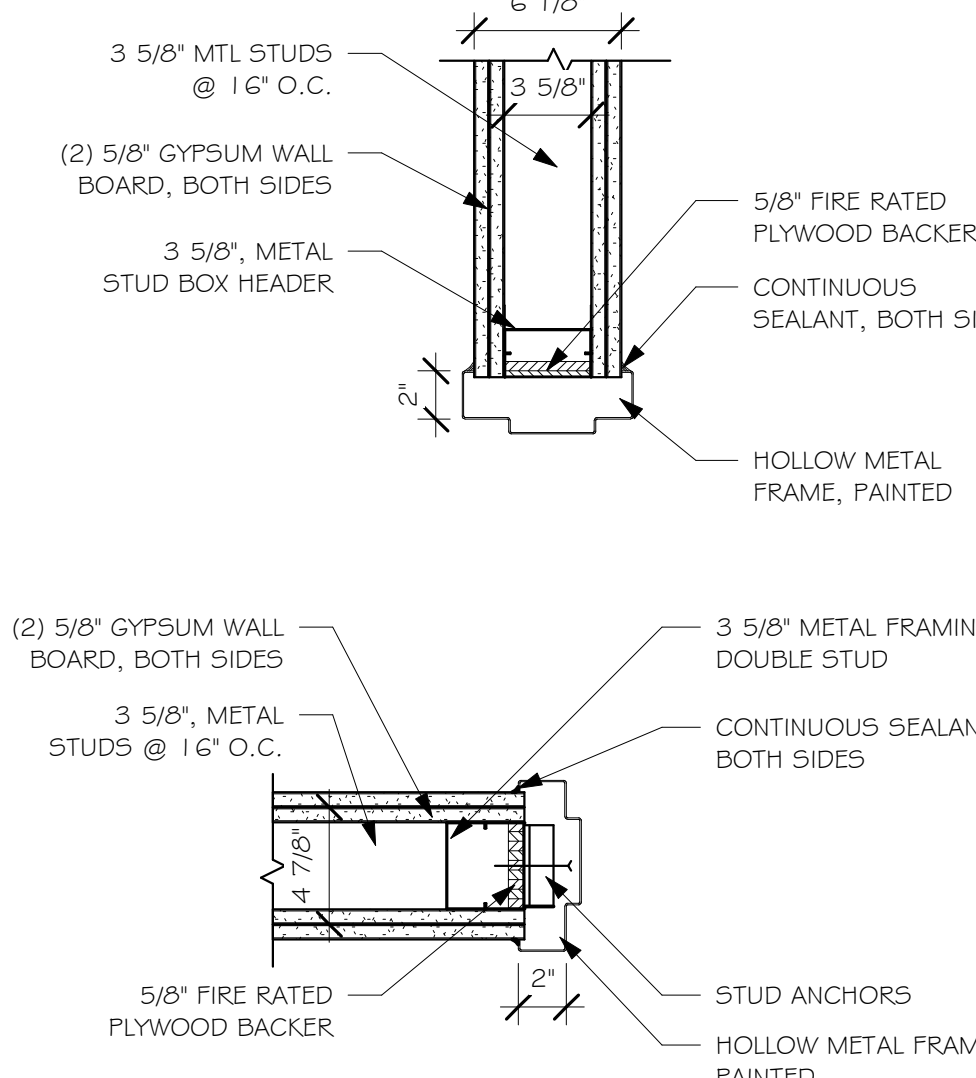
TYPICAL TYPE A HEAD AND JAMB DETAIL



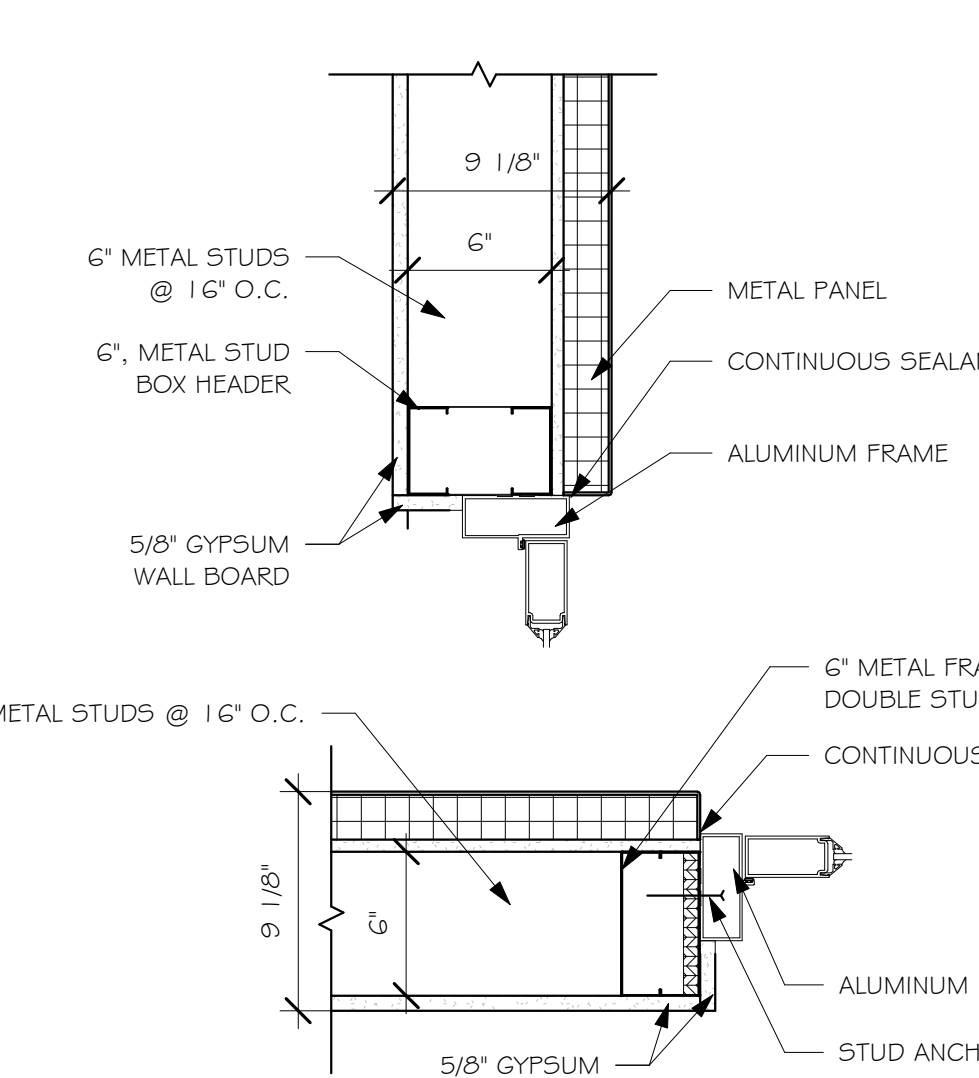
TYPICAL TYPE E HEAD AND JAMB DETAIL



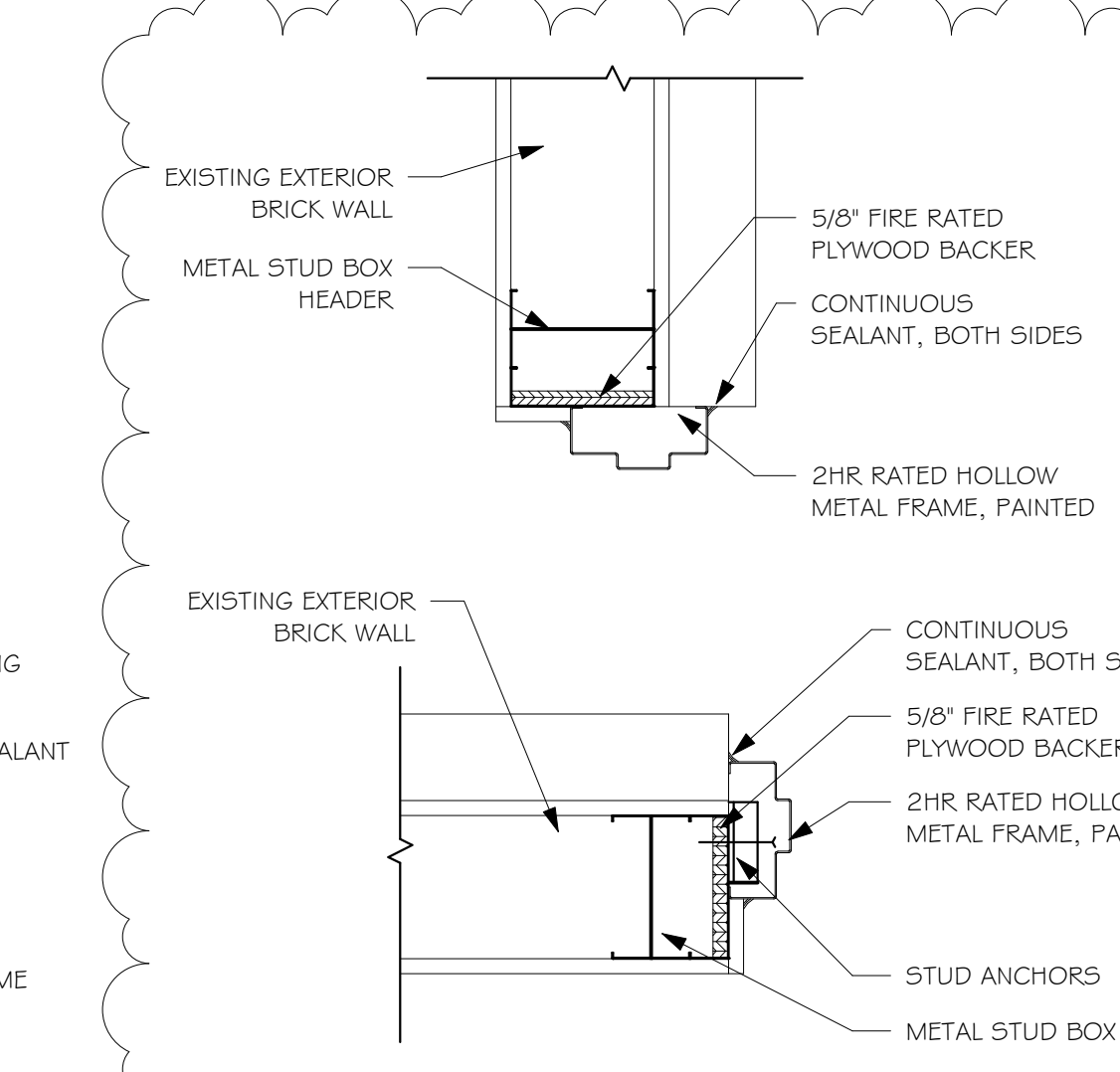
TYPICAL TYPE I HEAD AND JAMB DETAIL



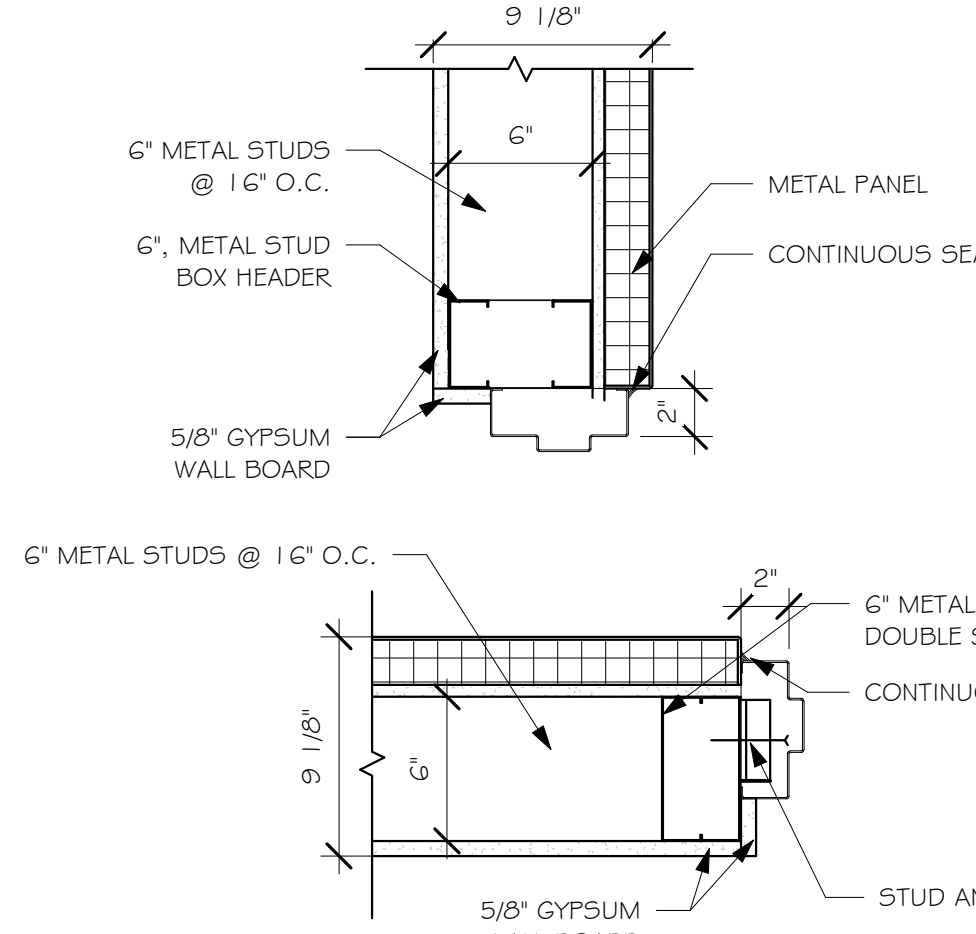
TYPICAL TYPE B HEAD AND JAMB DETAIL



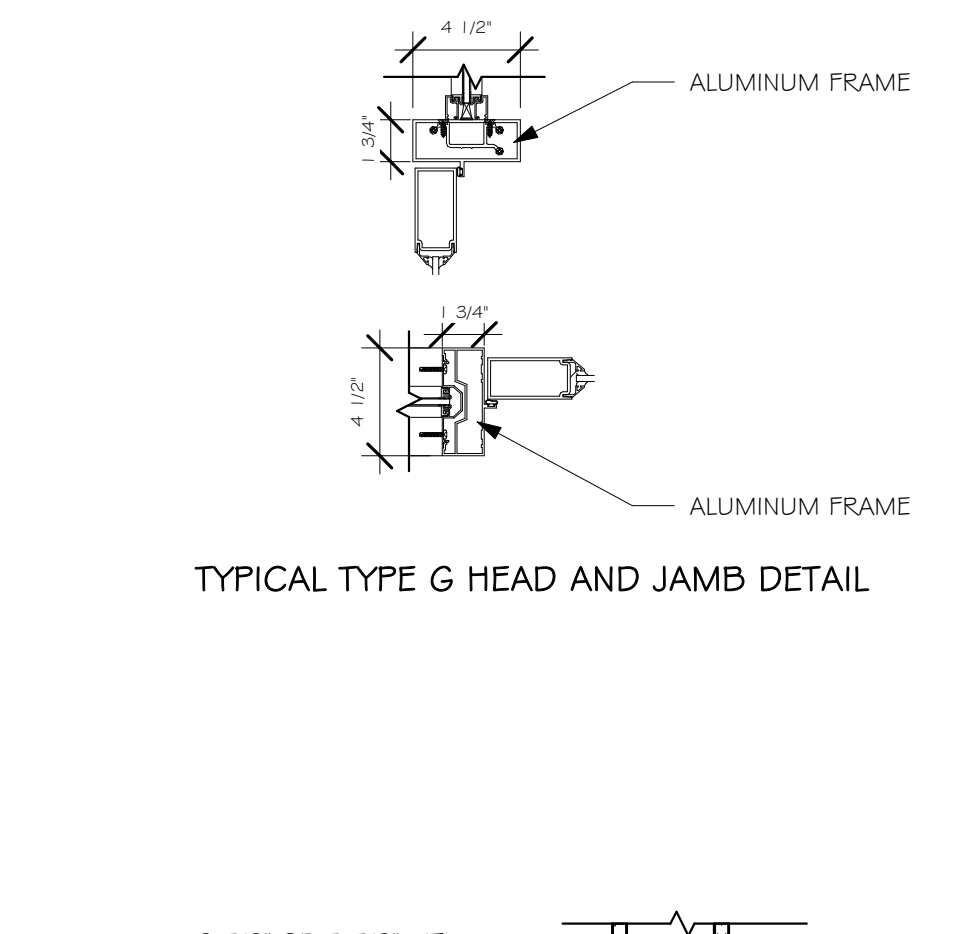
TYPICAL TYPE F HEAD AND JAMB DETAIL



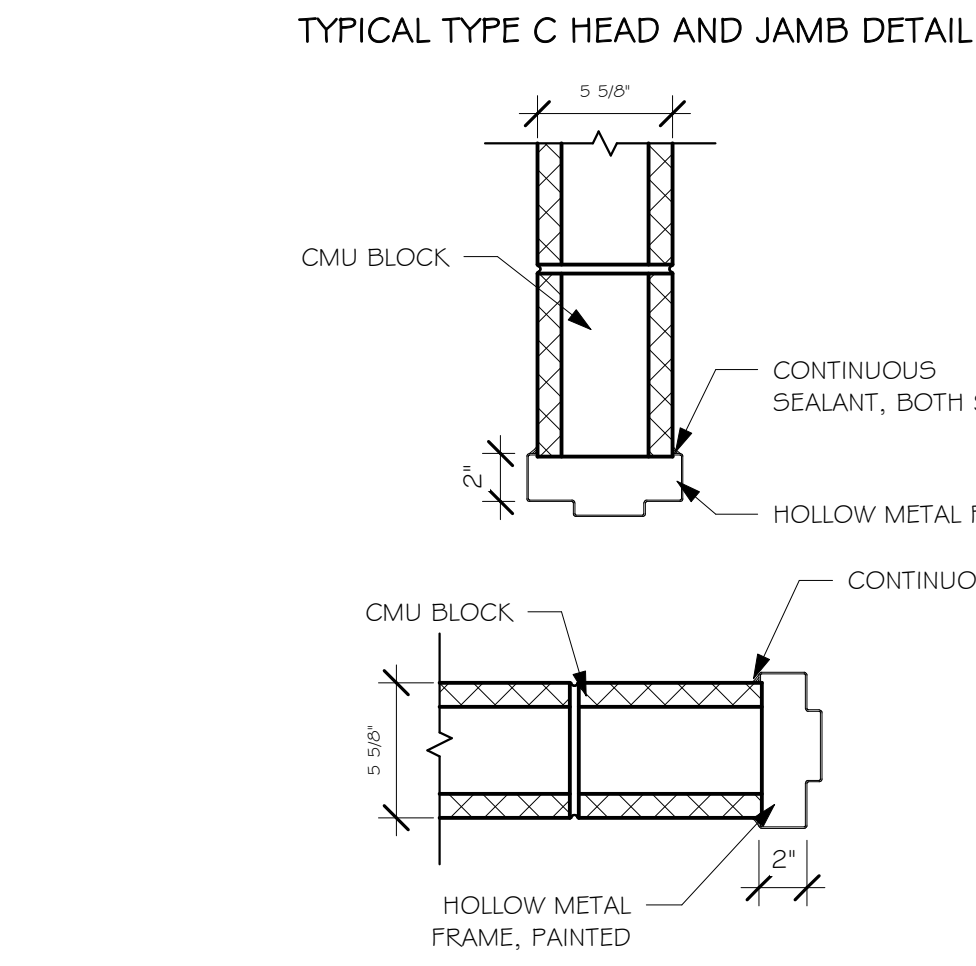
TYPICAL TYPE J HEAD AND JAMB DETAIL



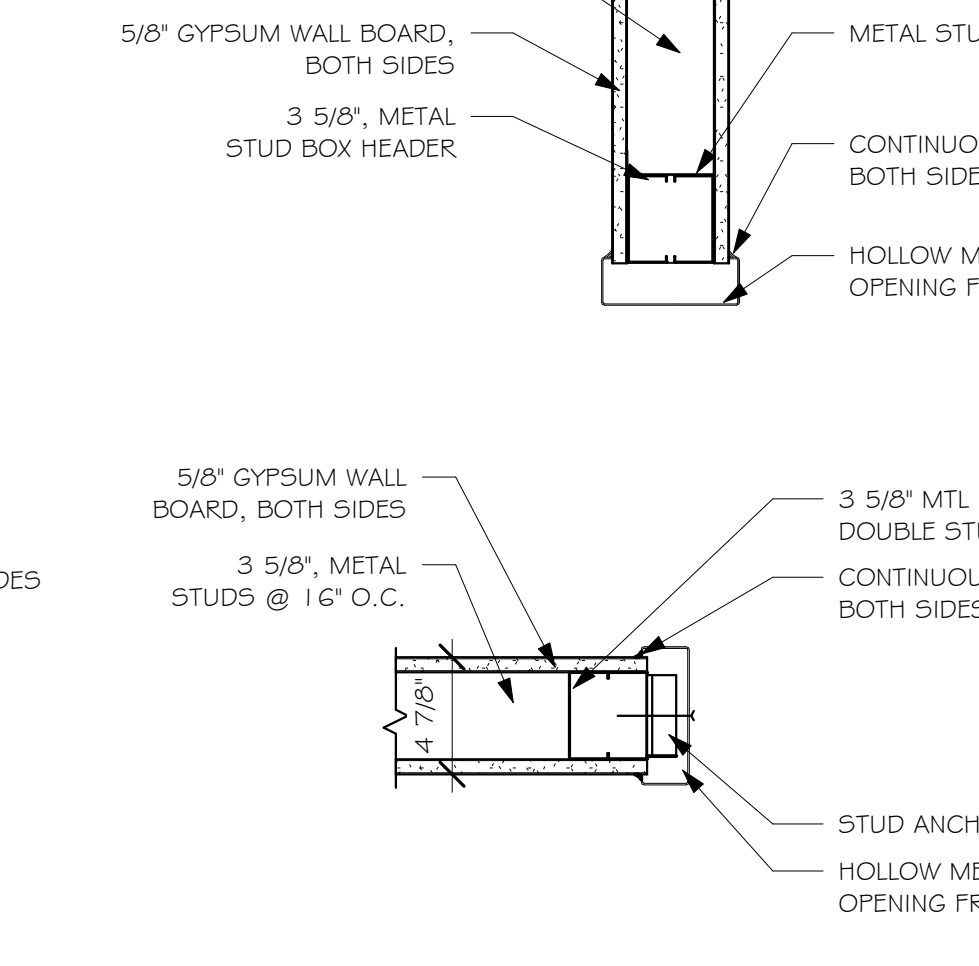
TYPICAL TYPE C HEAD AND JAMB DETAIL



TYPICAL TYPE G HEAD AND JAMB DETAIL



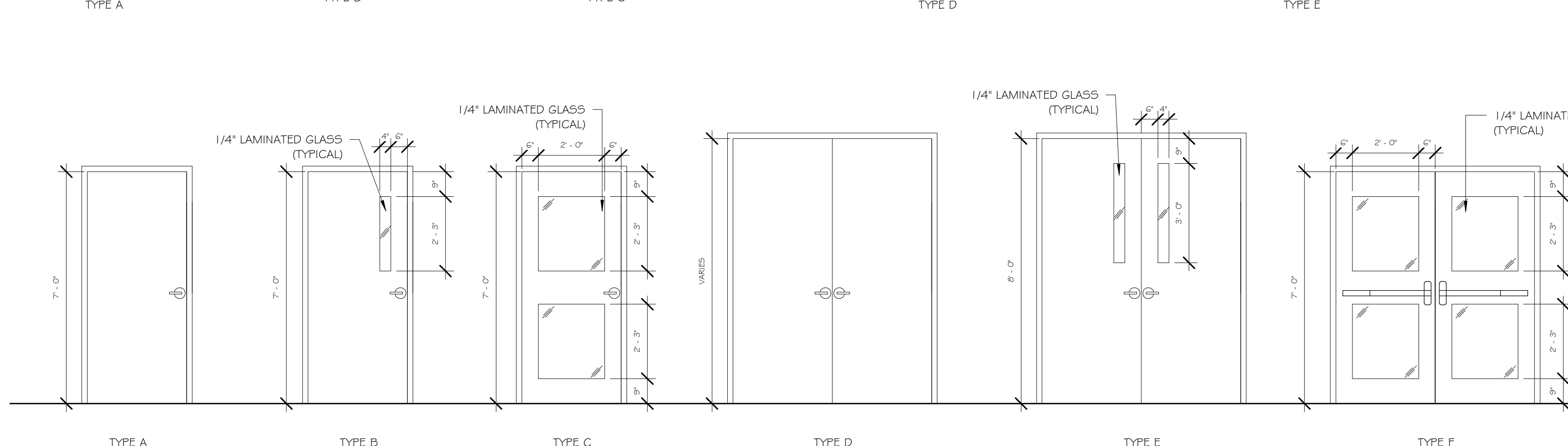
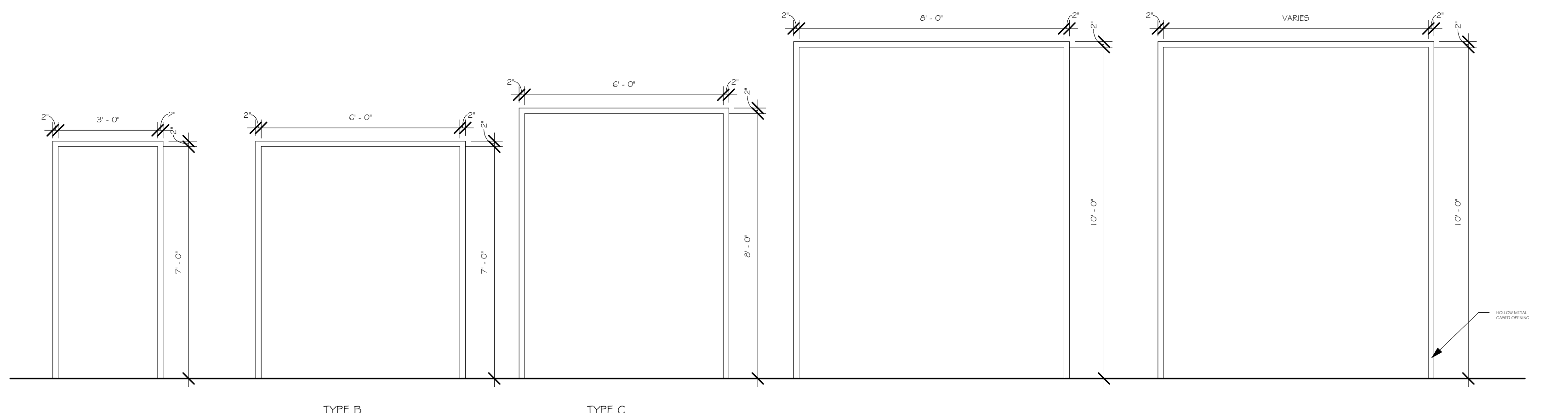
TYPICAL TYPE D HEAD AND JAMB DETAIL



TYPICAL TYPE H HEAD AND JAMB DETAIL



1 TYPICAL DOOR DETAILS
1 1/2" = 1'-0"



2 DOOR AND FRAME TYPE ELEVATIONS
3/8" = 1'-0"

MARK	SPACE SERVED	DOOR INFORMATION						FRAME INFORMATION				CONSTRUCTION DETAILS		FIRE RATING	HARDWARE GROUP NO.	KEYED NOTES
		WIDTH	HEIGHT	THICKNESS	ELEVATION TYPE	MAT	FIN	ELEVATION TYPE	MAT	FIN	HEAD	JAMB				
G00.1	LOBBY	6'-0"	7'-0"	1 3/4"	H	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	E	E	NA	GROUP 9		
G00.2	LOBBY	6'-0"	7'-0"	1 3/4"	H	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	E	E	NA	GROUP 9		
G00A.1	VESTIBULE	6'-0"	6'-11 3/4"	1 3/4"	H	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	G	G	NA	GROUP 17	CARD READER ACCESS BY OWNER	
G00A.2	VESTIBULE	6'-0"	6'-11 3/4"	1 3/4"	H	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	G	G	NA	GROUP 9		
G00B	CORRIDOR	3'-0"	7'-0"	1 3/4"	C	ALUMINUM	CLEAR ANODIZED	A	ALUMINUM	CLEAR ANODIZED	C	C	NA	GROUP 16	CARD READER ACCESS BY OWNER	
G00B.1	CORRIDOR	6'-0"	7'-0"	1 3/4"	F	METAL	PAINT	C	HM	PAINT	J	J	90 MIN.	GROUP 9		
G00B.2	CORRIDOR	6'-0"	8'-0"	1 3/4"	G	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 9		
G00C.1	CORRIDOR	6'-0"	7'-0"	1 3/4"	F	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	E	E	NA	GROUP 9		
G00C.2	CORRIDOR	6'-0"	7'-0"	1 3/4"	F	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	E	E	NA	GROUP 9		
G00C.3	CORRIDOR	6'-0"	7'-0"	1 3/4"	F	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	E	E	NA	GROUP 9		
G00C.4	CORRIDOR	6'-0"	7'-0"	1 3/4"	F	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	E	E	NA	GROUP 9		
G00D.1	VESTIBULE	5'-11 1/2"	6'-11 3/4"	1 3/4"	H	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	G	G	NA	GROUP 9		
G00D.2	VESTIBULE	5'-11 1/2"	6'-11 3/4"	1 3/4"	H	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	G	G	NA	GROUP 17	CARD READER ACCESS BY OWNER	
G00E	CORRIDOR	3'-0"	8'-0"	1 3/4"	E	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 9		
G00F.1	LOBBY	6'-0"	7'-0"	1 3/4"	F	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	E	E	NA	GROUP 9		
G00F.2	LOBBY	6'-0"	7'-0"	1 3/4"	F	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	E	E	NA	GROUP 9		
G00G.1	VESTIBULE	6'-0"	7'-0"	1 3/4"	H	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	G	G	NA	GROUP 14	CARD READER ACCESS BY OWNER	
G00G.2	VESTIBULE	6'-0"	7'-0"	1 3/4"	H	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	G	G	NA	GROUP 9		
G01A	OFFICE	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 1		
G01B	OFFICE	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 1		
G01C.1	CONFERENCE	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 3		
G01C.2	CORRIDOR	3'-0"	7'-0"	1 3/4"	B	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 3		
G01D.1	EQUIPMENT	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G01D.2	EQUIPMENT	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G02.1	MULTI-PURPOSE	3'-0"	7'-0"	1 3/4"	B	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 3		
G02.2	MULTI-PURPOSE	3'-0"	7'-0"	1 3/4"	B	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 3		
G03	MENS BATHROOM	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 6		
G03A	TOILET	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 5		
G03B	WOMENS BATHROOM	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	C	C	NA	GROUP 11	CARD READER ACCESS BY OWNER	
G04	MENS BATHROOM	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 6		
G04A	TOILET	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 5		
G04B	MENS BATHROOM	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	C	C	NA	GROUP 11	CARD READER ACCESS BY OWNER	
G05	MULTI-ACTIVITY ROOM	6'-3 1/2"	6'-11 3/4"	1 3/4"	H	ALUMINUM	CLEAR ANODIZED	B	ALUMINUM	CLEAR ANODIZED	G	G	NA	GROUP 23		
G06	JANITOR CLOSET	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G07.1	MECH	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G07.2	MECH	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G07.3	MECH	8'-0"	10'-0"	1 3/4"	D	METAL	PAINT	D	HM	PAINT	C	C	NA	GROUP 18	LOCATION OF DOOR TO BE DETERMINED IN THE FIELD BASED ON AIR HANDLER UNIT	
G08	WATER ROOM	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G09.1	BASKETBALL COURT	6'-0"	8'-0"	1 3/4"	G	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 23		
G09.2	BASKETBALL COURT	6'-0"	8'-0"	1 3/4"	G	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 23		
G09.3	BASKETBALL COURT	6'-0"	8'-0"	1 3/4"	G	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 23		
G09.4	BASKETBALL COURT	6'-0"	8'-0"	1 3/4"	G	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 23		
G09.5	BASKETBALL COURT	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 22		
G09.6	BASKETBALL COURT	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 22		
G09.7	BASKETBALL COURT	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 22		
G09.8	BASKETBALL COURT	3'-0"	7'-0"	1 3/4"	G	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 23		
G09.9	BASKETBALL COURT	6'-0"	8'-0"	1 3/4"	G	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 23		
G09.10	BASKETBALL COURT	6'-0"	8'-0"	1 3/4"	G	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 23		
G09.11	BASKETBALL COURT	6'-0"	7'-0"	1 3/4"	F	ALUMINUM	CLEAR ANODIZED	C	ALUMINUM	CLEAR ANODIZED	F	F	NA	GROUP 14	CARD READER ACCESS BY OWNER	
G09.12	BASKETBALL COURT	6'-0"	7'-0"	1 3/4"	F	ALUMINUM	CLEAR ANODIZED	C	ALUMINUM	CLEAR ANODIZED	F	F	NA	GROUP 14	CARD READER ACCESS BY OWNER	
G09A	ELEC. ROOM	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	B	B	90 MIN.	GROUP 4		
G09B.1	MECH	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G09B.2	MECH	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G09B.3	MECH	8'-0"	10'-0"	1 3/4"	D	METAL	PAINT	D	HM	PAINT	C	C	NA	GROUP 18		
G09C.1	EQUIPMENT	10'-0"	10'-0"	1 1/2"	I	METAL	PAINT	E	HM	PT	H	H	NA	--		
G09C.2	EQUIPMENT	10'-0"	10'-0"	1 1/2"	I	METAL	PAINT	E	HM	PT	H	H	NA	--		
G09C.3	EQUIPMENT	10'-0"	10'-0"	1 1/2"	I	METAL	PAINT	E	HM	PT	H	H	NA	--		
G09C.4	EQUIPMENT	10'-11 1/4"	10'-0"	1 1/2"	I	METAL	PAINT	E	HM	PT	I	I	NA	--		
G10.1	EQUIPMENT	6'-0"	8'-0"	1 3/4"	D	METAL	PAINT	C	HM	PAINT	A	A	NA	GROUP 9		
G10.2	EQUIPMENT	6'-0"	8'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G10.3	EQUIPMENT	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G11	DATA	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	B	B	90 MIN.	GROUP 4	CARD READER ACCESS BY OWNER	
G12.1	MULTI-PURPOSE ROOM	3'-0"	7'-0"	1 3/4"	B	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 3		
G12.2	MULTI-PURPOSE ROOM	3'-0"	7'-0"	1 3/4"	B	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 3		
G12A	CLOSET	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G13.1	EQUIPMENT	3'-0"	7'-0"	1 3/4"	B	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G13.2	EQUIPMENT	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	D	D	NA	GROUP 4A		
G13.3	EQUIPMENT	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	D	D	NA	GROUP 4A		
G14.1	MULTI-PURPOSE ROOM	3'-0"	7'-0"	1 3/4"	B	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 3		
G14.2	MULTI-PURPOSE ROOM	3'-0"	7'-0"	1 3/4"	B	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 3		
G14A	CLOSET	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G15	MULTI-PURPOSE ROOM	3'-0"	7'-0"	1 3/4"	B	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 3		
G15A	CLOSET	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
G20	EQUIPMENT	12'-0"	10'-0"	1 1/2"	I	METAL	PAINT	E	HM	PT	I	I	NA	--		
I01	STORAGE	3'-0"	7'-0"	1 3/4"	A	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 4A		
I02.1	FITSPACE	6'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	A	A	NA	GROUP 22	CARD READER ACCESS BY OWNER	
I02.2	FITSPACE	6'-0"	8'-0"	1 3/4"	D	METAL	PAINT	C	HM	PAINT	B	B	90 MIN.	GROUP 10	MAGNETIC HOLD OPEN TIED TO FIRE ALARM	
I02.3	FITSPACE	6'-0"	8'-0"	1 3/4"	D	METAL	PAINT	C	HM	PAINT	B	B	90 MIN.	GROUP 10	MAGNETIC HOLD OPEN TIED TO FIRE ALARM	
I02.4	FITSPACE	6'-0"	8'-0"	1 3/4"	D	METAL	PAINT	C	HM	PAINT	B	B	90 MIN.	GROUP 10	MAGNETIC HOLD OPEN TIED TO FIRE ALARM	
I03.1	TRACK	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	C	C	NA	GROUP 11	CARD READER ACCESS BY OWNER	
I03.2	TRACK	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	C	C	NA	GROUP 11	CARD READER ACCESS BY OWNER	
I03.3	TRACK	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	C	C	NA	GROUP 11	CARD READER ACCESS BY OWNER	
I03.4	TRACK	3'-0"	7'-0"	1 3/4"	C	METAL	PAINT	A	HM	PAINT	C	C	NA	GROUP 11	CARD READER ACCESS BY OWNER	

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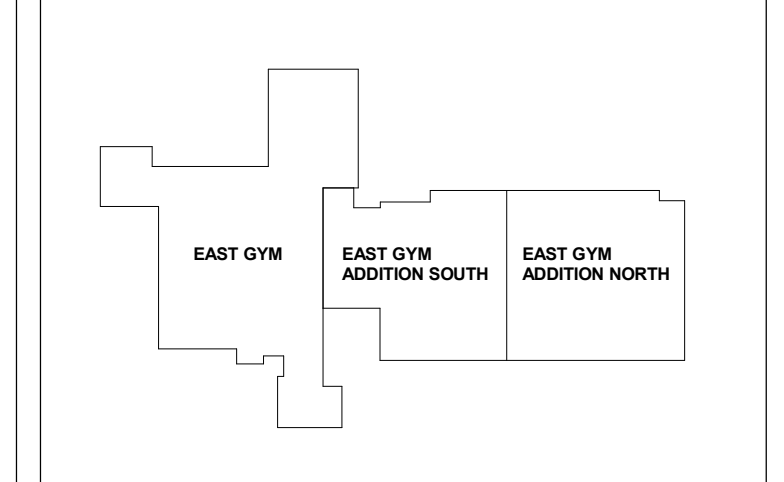
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