

ATCC-23 TRANSPORTATION CENTER

1601 JEFFERSON STREET
ALEXANDRIA, MN 56308

BID PACK #2



701 Washington Ave. N, Ste 200 | Minneapolis, MN 55401 | (612) 338-2029

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**ALEXANDRIA TECH
AND COMM. COLLEGE**
1601 JEFFERSON STREET
ALEXANDRIA, MN 56308

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RENDERING IMAGE



NORTHEAST CORNER

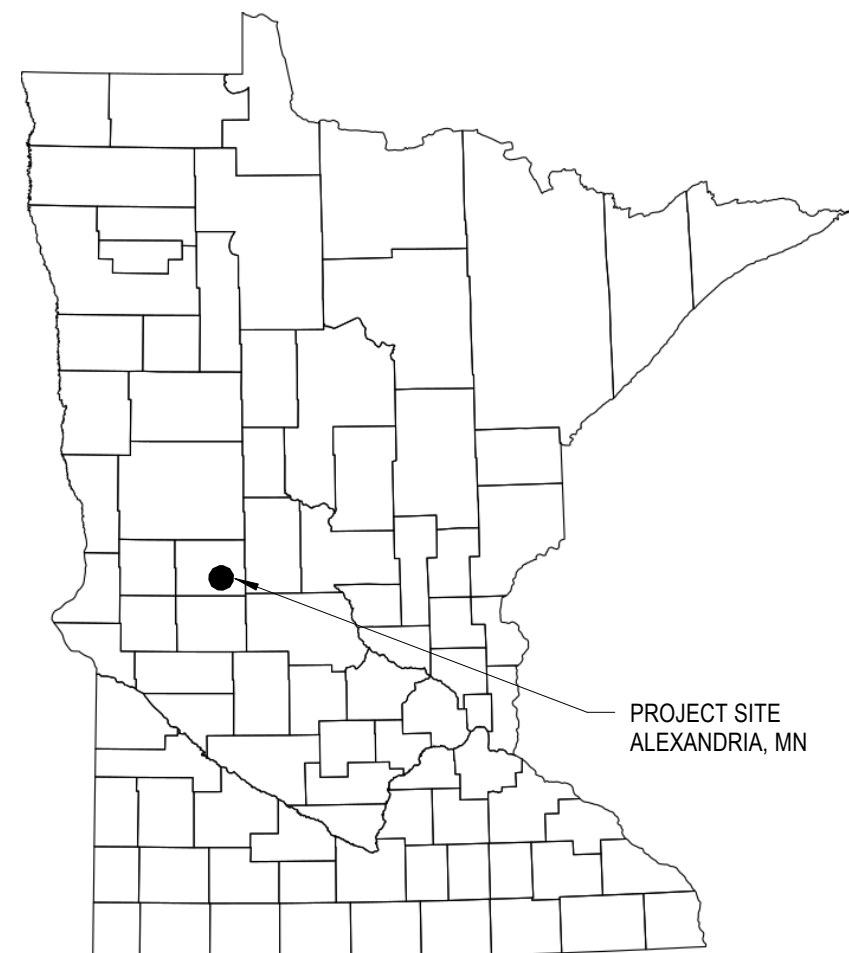


NORTHWEST CORNER

PROJECT TEAM

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STATE MAP



SHEET INDEX

GENERAL				ARCHITECTURAL				MECHANICAL			
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G002	GENERAL NOTES, SYMBOLS & ABBREVIATIONS, STD MOUNTING HEIGHTS	•	•	A100	OVERALL WATERPROOFING FLOOR PLAN	•	•	M0101	MECHANICAL DEMOLITION & HVAC PLANS - 700 BLDG	•	•
G003	CODE ANALYSIS AND CONTROL AREA PLAN	•	•	A101a	LEVEL 1 FLOOR PLAN - AREA A	•	•	M141a	HYDRONIC PLAN - TC AREA A	•	•
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				A102b	LEVEL 2 FLOOR PLAN - AREA B	•	•	M151b	VENTILATION PLAN - TC AREA B	•	•
				A121a	LEVEL 1 & LEVEL 2 REFLECTED CEILING PLAN - AREA A	•	•	M201a	ROOF MECHANICAL PLAN - TC AREA A	•	•
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				A201	EXTERIOR ELEVATIONS	•	•	M301	AIR HANDLING UNIT SECTIONS	•	•
				A202	EXTERIOR ELEVATIONS	•	•	M401	ENLARGED MECHANICAL ROOM VENTILATION PLANS	•	•
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				A313	WALL SECTIONS	•	•				
				A314	WALL SECTIONS	•	•				
				A315	WALL SECTIONS	•	•				
				A410	ENLARGED STAIR PLANS & SECTIONS	•	•				
				A411	ENLARGED PLANS & INTERIOR ELEVATIONS	•	•				
				A412	INTERIOR ELEVATIONS	•	•				
				A413	INTERIOR ELEVATIONS	•	•				
				A414	INTERIOR ELEVATIONS	•	•				
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				A502	EXTERIOR DETAILS	•	•				
				A503	EXTERIOR DETAILS	•	•				
				A504	EXTERIOR DETAILS	•	•				
				A505	EXTERIOR DETAILS	•	•				
				A506	EXTERIOR DETAILS	•	•				
				A507	EXTERIOR DETAILS	•	•				
				A508	EXTERIOR DETAILS	•	•				
				A509	EXTERIOR DETAILS	•	•				
				A510	EXTERIOR DETAILS	•	•				
				A511	EXTERIOR DETAILS	•	•				
				A512	EXTERIOR DETAILS	•	•				
				A601	CURTAIN WALLS AND LOUVER ELEVATIONS	•	•				
				A611	DOOR/OPENING SCHEDULES, DOOR/HM FRAME TYPES, DOOR DETAILS	•	•				
				A701	MATERIAL FINISH SCHEDULE AND FINISH DETAILS	•	•				
				A801a	LEVEL 1 AND 2 FINISH PLANS - AREA A	•	•				
				A801b	LEVEL 1 AND 2 FINISH PLANS - AREA B	•	•				
				A810	SIGNAGE SCHEDULE & DETAILS	•	•				
				A811	SIGNAGE PLANS	•	•				
				A821	LEVEL 1 OVERALL FURNITURE AND EQUIPMENT PLAN	•	•				

CODE ANALYSIS - BUILDING AREA 7 - TRANSPORTATION CENTER (TC)

1. GENERAL INFORMATION	
A. PROJECT NAME:	ATCC STUDENT SERVICES & TRANSPORTATION CENTER
B. PROJECT LOCATION:	1601 JEFFERSON STREET ALEXANDRIA, MN 56308
C. ZONING AND LAND USE:	R-2 SINGLE & TWO FAMILY RESIDENTIAL
D. LOT SIZE:	23.01 ACRES
E. GROSS BUILDING SIZE:	44,763 SF
F. CONSTRUCTION TYPE:	II-B
G. BUILDING HEIGHT:	30'-8"
H. BUILDING STORIES:	1 STORY
I. BUILDING OCCUPANT LOAD:	721 OCCUPANTS

2. APPLICABLE CODES	
A. CITY OF ALEXANDRIA	CURRENT EDITION
B. MINNESOTA STATE BUILDING CODE (MSBC)	2020 EDITION (MR 1305)
C. INT'L BUILDING CODE (W/ AMENDMENTS)	2018 EDITION
D. INT'L FIRE CODE (W/ AMENDMENTS)	2018 EDITION
E. MINNESOTA STATE FIRE CODE	2020 EDITION (MR 7511)
F. MINNESOTA MECHANICAL & FUEL GAS CODE	2020 EDITION (MR 1346)
G. MINNESOTA PLUMBING CODE	2020 EDITION (MR 4714)
H. NATIONAL ELECTRICAL CODE (NEC)	2023 EDITION (MR1315)
I. ILLUMINATING ENGINEERS SOCIETY (IES)	10TH EDITION
J. MINNESOTA COMMERCIAL ENERGY CODE (MCEC)	2024 EDITION (MR1323)
K. ASHRAE STANDARD 90.1-2019	
L. 5.6 BUILDING ENVELOPE TRADE-OFF OPTION	2020 EDITION (MR 1341)
M. MINNESOTA ACCESSIBILITY CODE	2010 EDITION
N. AMERICAN WITH DISABILITY ACT (ADA)	2010 EDITION
O. MINNESOTA BUILDING BENCHMARKS AND BEYOND (BS) GUIDELINES	VERSION 3.2 REV. 1

3. USE AND OCCUPANCY CLASSIFICATION	
A. BUSINESS (SECTION 304)	GROUP-B
B. STORAGE (SECTION 311)	GROUP- S-1

4. SPECIAL DETAILED REQUIREMENTS	
A. MOTOR VEHICLE-RELATED OCCUPANCIES	
SECTION 406	
a. AUTOMATIC GARAGE DOOR OPERIES SHALL BE LISTED AND LABELED IN ACCORDANCE WITH UL 325 PER SECTION 406.2.1	
b. FLOOR SURFACES SHALL BE CONCRETE OR SIMILARY NON-COMBUSTIBLE AND NONABSORBENT MATERIALS PER SECTION 406.2.4	
c. EQUIPMENT AND APPLIANCES HAVING AN IGNITION SOURCE AND LOCATED REPAIR GARAGES SHALL BE ELEVATED NOT LESS THAN 18 INCHES ABOVE THE FLOOR SURFACE PER SECTION 406.2.9.1	
d. REPAIR GARAGES	
SECTION 406.8	
- SHALL BE MECHANICALLY VENTILATED IN ACCORDANCE WITH THE INTERNATIONAL MECHANICAL CODE.	
- GAS DETECTION SYSTEM SHALL BE PROVIDED AS REQUIRED BY SECTION 406.8.2	
- REPAIR GARAGE SHALL BE EQUIPPED WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH SECTION 903.2.9.1	
B. HAZARDOUS MATERIALS	
SECTION 414	
- MECHANICAL VENTILATION IS NOT REQUIRED	
- EXPLOSION CONTROL NOT REQUIRED AS QUANTITIES OF HAZARDOUS MATERIALS DO NOT EXCEED THE MAXIMUM ALLOWABLE QUANTITIES IN TABLE 307.1.	
- EMERGENCY STANDBY POWER NOT REQUIRED	
- SPILL CONTROL AND SECONDARY CONTAINMENT NOT REQUIRED	
C. CONTROL AREAS	
TABLE 414.2.2	
- PERCENTAGE OF MAX. ALLOWABLE QTY.	
1	
PER CONTROL AREA	
- NUMBER OF CONTROL AREAS PER STORY	
4	
- FIRE RESISTANCE RATING FOR FIRE BARRIER	
1 HR	

5. GENERAL BUILDING HEIGHTS AND AREAS	
(IBC CHAPTER 5)	
A. ALLOWABLE BUILDING HEIGHT	TABLE 504.3
B. SPRINKLERED	75 FEET
B. ALLOWABLE NUMBER OF STORIES	TABLE 504.4
B. SPRINKLERED	4 STORIES
C. ALLOWABLE AREA FACTOR	TABLE 506.2
B. SPRINKLERED	92,000 SF
D. ALLOWABLE AREA DETERMINATION	SECTION 506.2
SINGLE-OCCUPANCY, ONE-STORY BUILDINGS	(EQUATION 5-1)
ALLOWABLE AREA INCREASE NOT UTILIZED AS BUILDING FALLS WITHIN ALLOWABLE AREAS NOTED IN TABLE 506.2	
E. ACTUAL BUILDING AREA	40,891 SF
F. FRONTAGE INCREASE	SECTION 506
NOT USED AS ALLOWABLE AREA INCREASE NOT UTILIZED	(EQUATION 5-5)
G. MEZZANINES	SECTION 508
a. AGGREGATE AREA OF MEZZANINES WITHIN A ROOM OR SPACE SHALL BE NOT GREATER THAN ONE-THIRD OF THE FLOOR AREA OF THAT ROOM OR SPACE IN WHICH THEY ARE LOCATED.	
- WEST MECHANICAL ROOM MEZZANINE AREA IS 2,027 SF WHICH IS LESS THAN ONE-THIRD OF OF THE 7,665 SF ROOM IT IS LOCATED WITHIN.	
- EAST MECHANICAL ROOM MEZZANINE AREA IS 2,045 SF WHICH IS LESS THAN ONE-THIRD OF THE 10,257 SF ROOM IT IS LOCATED WITHIN.	
b. A MEZZANINE SHALL BE OPEN AND UNOBSTRUCTED TO THE ROOM IN WHICH SUCH MEZZANINE IS LOCATED. EXCEPTION 1 ALLOWS FOR MEZZANINES TO BE ENCLOSED PROVIDED THAT THE OCCUPANT LOAD OF THE AGGREGATE AREA OF THE ENCLOSED SPACE IS NOT GREATER THAN 10.	
- OCCUPANT LOAD FOR WEST MECHANICAL ROOM MEZZANINE IS 7	
- OCCUPANT LOAD OF EAST MECHANICAL ROOM MEZZANINE IS 7	

H. ACCESSORY OCCUPANCIES	
SECTION 508.2	
- AGGREGATE ACCESSORY OCCUPANCIES SHALL NOT OCCUPY MORE THAN 10 PERCENT OF THE BUILDING AREA OF THE STORY IN WHICH THEY ARE LOCATED AND SHALL NOT EXCEED TABULAR VALUES FOR NON-SPRINKLERED BUILDINGS IN TABLE 508.2 FOR EACH SUCH ACCESSORY OCCUPANCY.	
- NO SEPARATION IS REQUIRED BETWEEN ACCESSORY OCCUPANCIES AND THE MAIN OCCUPANCY PER 508.2.4.	
- S-1 WILL BE CLASSIFIED AS AN ACCESSORY OCCUPANCY TO B. AREA OF S-1 IS 546 SF WHICH IS LESS THAN 10 PERCENT OF THE BUILDING AREA FOR LEVEL 1.	
I. NONSEPARATED OCCUPANCIES	
SECTION 508.3	
- NON SEPARATED OCCUPANCIES SHALL BE INDIVIDUALLY CLASSIFIED IN ACCORDANCE WITH SECTION 302.1. MOST RESTRICTIVE PROVISIONS OF CHAPTER 9 THAT APPLY TO THE NONSEPARATED OCCUPANCIES SHALL APPLY TO THE TOTAL NONSEPARATED OCCUPANCY AREA.	
- THE ALLOWABLE BUILDING AREA HEIGHT AND NUMBER OF STORIES OF THE BUILDING OR PORTION THEREOF SHALL BE BASED ON THE MOST RESTRICTIVE ALLOWANCES FOR THE OCCUPANCY GROUPS.	
- NO SEPARATION IS REQUIRED BETWEEN NONSEPARATED OCCUPANCIES PER 508.3.3.	
J. SEPARATED OCCUPANCIES	
SECTION 508.4 (TABLE 508.4)	
N/A	
K. MIXED OCCUPANCY RATIO	
SECTION 508.4.2	
N/A	
L. INCIDENTAL ACCESSORY OCCUPANCIES	
TABLE 509	
N/A	

6. TYPES OF CONSTRUCTION CONT.	
(IBC CHAPTER 6)	
A. TYPE II-B	
BUILDING ELEMENT	FIRE RESISTANCE
- PRIMARY STRUCTURAL FRAME	
0 HR	
- EXTERIOR BEARING WALLS	
X = 5'	
0 HR	
- INTERIOR BEARING WALLS	
5' <= X < 10'	
1 HR	
- EXTERIOR NON-BEARING WALLS/PARTITIONS	
10' <= X < 30'	
0 HR	
X = 10'	
0 HR	
- INTERIOR NON-BEARING WALLS/PARTITIONS	
0 HR	
- FLOOR CONSTRUCTION & SECONDARY MEMBERS	
0 HR OR HT	
- ROOF CONSTRUCTION & SECONDARY MEMBERS	
0 HR OR HT	

7. FIRE AND SMOKE PROTECTION FEATURES	
(IBC CHAPTER 7)	
A. MAXIMUM AREA OF EXTERIOR WALL OPENINGS	
(TABLE 705.8)	
FIRE SEPARATION DISTANCE	
OPENING PROTECTION	
ALLOWABLE AREA	
0' TO LESS THAN 3'	
UPIS	
15%	
NOT PERMITTED	
3' TO LESS THAN 6'	
UPIS	
25%	
6' TO LESS THAN 10'	
UPIS	
45%	
10' TO LESS THAN 15'	
UPIS	
75%	
15' TO LESS THAN 20'	
UPIS	
NO LIMIT	
20' OR GREATER	
UPIS	

B. BUILDING ELEMENT	
FIRE RESISTANCE	
- FIRE BARRIERS (SECTION 707)	
1 HR AND 2 HR (PER TABLE 508.4)	
- OCCUPANCY SEPARATIONS	
CONTROL AREAS	
1 HR (PER TABLE 414.2.2)	
- FIRE PUMP ROOM	
1 HR (PER 913.2.1, EXCEPTION 1)	
- FIRE PARTITIONS (SECTION 708)	
CORRIDOR WALLS	
0 HR (PER TABLE 1020.1)	
- SMOKE BARRIERS (SECTION 709)	
1 HR	
- SMOKE PARTITIONS (SECTION 710)	
0 HR	

8. INTERIOR FINISHES	
(IBC CHAPTER 8)	
A. INTERIOR WALL AND CEILING FINISH	
(TABLE 803.13)	
B. BUILDING ELEMENT	
CLASSIFICATION	
(SPRINKLERED)	
- EXIT ENCLOSURES AND EXIT PASSAGEWAYS	
B	
- CORRIDORS	
C	
- ROOMS AND ENCLOSED SPACES	
C	
C. GROUP S	
BUILDING ELEMENT	
CLASSIFICATION	
(SPRINKLERED)	
- EXIT ENCLOSURES AND EXIT PASSAGEWAYS	
C	
- CORRIDORS	
C	
- ROOMS AND ENCLOSED SPACES	
C	

9. FIRE PROTECTION SYSTEMS	
(IBC CHAPTER 9)	
A. BUILDING FULLY SPRINKLERED (LIST IF SPRINKLERED OR NOT)	
B. PORTABLE FIRE EXTINGUISHERS	
(SECTION 906)	
- FLAMMABLE OR COMBUSTIBLE LIQUID STORAGE AREAS	
- EACH FLOOR	
C. FIRE EXTINGUISHERS FOR CLASS A FIRE HAZARDS	
(TABLE 906.3(1))	
- LIGHT HAZARD OCCUPANCY	
- MIN. RATED SINGLE EXTINGUISHER	
2-A	
- MAX. FLOOR AREA PER UNIT OF A	
3,000 SQ. FT.	
- MAX. FLOOR AREA PER EXTINGUISHER	
11,250 SQ. FT.	
- MAX. DISTANCE OF TRAVEL TO EXTINGUISHER	
75 FEET	
- ORDINARY HAZARD OCCUPANCY	
- MIN. RATED SINGLE EXTINGUISHER	
2-A	
- MAX. FLOOR AREA PER UNIT OF A	
1,500 SQ. FT.	
- MAX. FLOOR AREA PER EXTINGUISHER	
11,250 SQ. FT.	
- MAX. DISTANCE OF TRAVEL TO EXTINGUISHER	
75 FEET	
- EXTRA HAZARD OCCUPANCY	
- MIN. RATED SINGLE EXTINGUISHER	
4-A	
- MAX. FLOOR AREA PER UNIT OF A	
1,000 SQ. FT.	
- MAX. FLOOR AREA PER EXTINGUISHER	
11,250 SQ. FT.	
- MAX. DISTANCE OF TRAVEL TO EXTINGUISHER	
75 FEET	

10. MEANS OF EGRESS	
(IBC CHAPTER 10)	
A. EGRESS WIDTH COMPONENT	
(SECTION 1005.3)	
WIDTH FACTOR	
SPRINKLERED*	
0.2	
- STAIR	
48" MINIMUM WIDTH BETWEEN HANDRAILS IF ACCESSIBLE MEANS OF EGRESS PER 1009.3.2	
44" MINIMUM WIDTH BETWEEN STRINGERS PER 1011.2	
36" MINIMUM WIDTH IF SERVING OCCUPANT LOAD LESS THAN 50 PER 1011.2 EXCEPTION 2	
- ALL OTHER	
DOORS TO HAVE MINIMUM CLEAR WIDTH OF 32", MEASURED FROM FACE OF DOOR TO STOP, PER 1010.1.1	
MAXIMUM WIDTH OF DOOR LEAF TO BE 48" PER 1010.1.1	
DOORS TO HAVE MINIMUM CLEAR OPENING HEIGHT OF 80"	
RAMPS TO HAVE MAXIMUM SLOPE OF 1/12 (8% SLOPE) IF PART OF MEANS OF EGRESS PER 1012.3	
RAMP TO HAVE MAXIMUM RISE FOR ANY RAMP RUN TO BE 30"	
RAMPS FOR MEANS OF EGRESS TO HAVE SAME MINIMUM WIDTH OF CORRIDORS PER TABLE 1002.2	
RAMP MINIMUM WIDTH TO BE 36" BETWEEN HANDRAILS PER 1012.5.1	
* PLUMBING MUST BE EQUIPPED THROUGHOUT WITH AUTOMATIC SPRINKLER SYSTEM AND AN EMERGENCY VOICE/ALARM COMMUNICATION SYSTEM	
B. COMMON PATH OF EGRESS TRAVEL	
(SECTION 1006.2.1)	
SPRINKLERED*	
100'	
C. EXIT ACCESS TRAVEL DISTANCE	
(TABLE 1017.2)	
SPRINKLERED*	
B	
300'	
S-1	
250'	
D. CORRIDORS	
- FIRE RESISTANCE RATING	
(SECTION 1020.1)	
(TABLE 1020.1)	
SPRINKLERED*	
0 HR	
B.S	
- MINIMUM WIDTH	
(SECTION 1020.2)	
44" MINIMUM WIDTH	
36" IF SERVING OCCUPANT LOAD OF LESS THAN 50	
24" IF PROVIDING ACCESS TO AND UTILIZATION OF MECHANICAL, PLUMBING, OR ELECTRICAL SYSTEMS OR EQUIPMENT	
- DEAD END	
(SECTION 1020.4)	
20' MAXIMUM (unless meets exceptions below)	
50' MAXIMUM W/ SPRINKLER	
OCCUPANCY GROUPS B AND S	
OR LENGTH OF DEAD-END CORRIDOR IS LESS THAN 2.3 TIMES THE LEAST WIDTH OF THE DEAD-END	

11. PLUMBING FIXTURE COUNT		(IBC CHAPTER 29)		
A. B OCCUPANCY	TOTAL	MEN	WOMEN	
	372**	186	186	
FIXTURE RATIO				
WC	1 PER 25 FOR FIRST 50			
	1 PER 50 FOR THE REMAINDER EXCEEDING 50			
LAVATORY	1 PER 40 FOR THE FIRST 30			
	1 PER 80 FOR THE REMAINDER EXCEEDING 80			
BATHTUB/SHOWER	N/A			
DRINKING FOUNTAIN	1 PER 100			
OTHER	1 SERVICE SINK			
REQUIRED FIXTURES				
TOTAL	TOTAL	MEN	WOMEN	
WC	9	5	5	
LAVATORY	8	4	4	
BATHTUB/SHOWER	N/A			
DRINKING FOUNTAIN	4			
OTHER	1 SERVICE SINK			
E. ACTUAL FIXTURE COUNT	TOTAL	MEN	WOMEN	UNISEX
WC	8	2	4	2
URINAL	2*	2	N/A	
LAVATORY	6	3	3	2
BATHTUB/SHOWER	N/A			
DRINKING FOUNTAIN	4			
OTHER	1 SERVICE SINK			
* PER IBC/MR 1305 2909 TABLE 2902.1 AT ASSEMBLY AND E OCCUPANCIES.				
URINALS CAN BE SUBSTITUTED FOR UP TO 25% OF THE REQUIRED WATER CLOSETS. ALL OTHER OCCUPANCIES, URINALS CAN BE SUBSTITUTED FOR NO MORE THAN 50% OF THE REQUIRED WATER CLOSETS.				
** OCCUPANT LOAD COUNTS AT TRUCK DRIVING LAB AND THE TWO DIESEL LABS HAS BEEN REDUCED TO 60 OCCUPANTS MAXIMUM PER ROOM.				

E

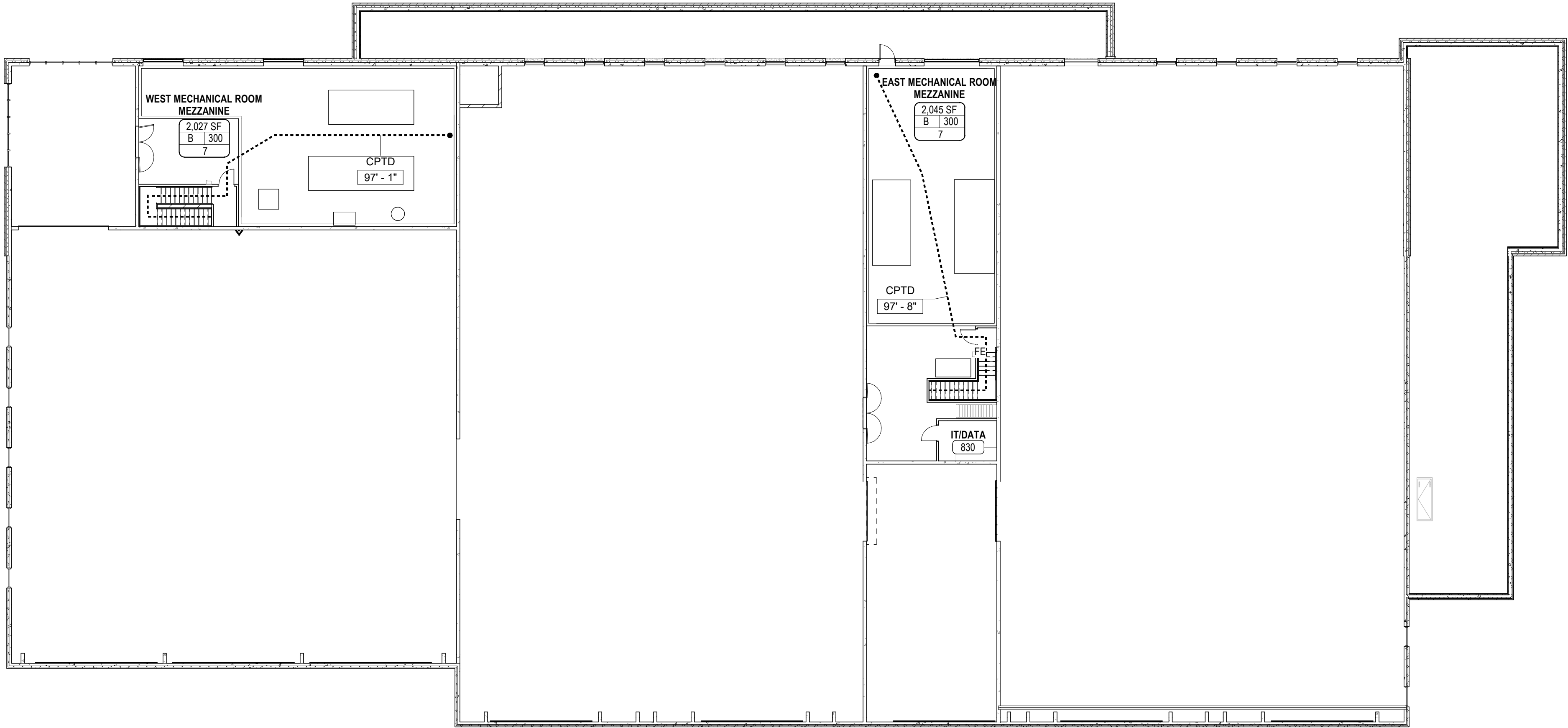
D

C

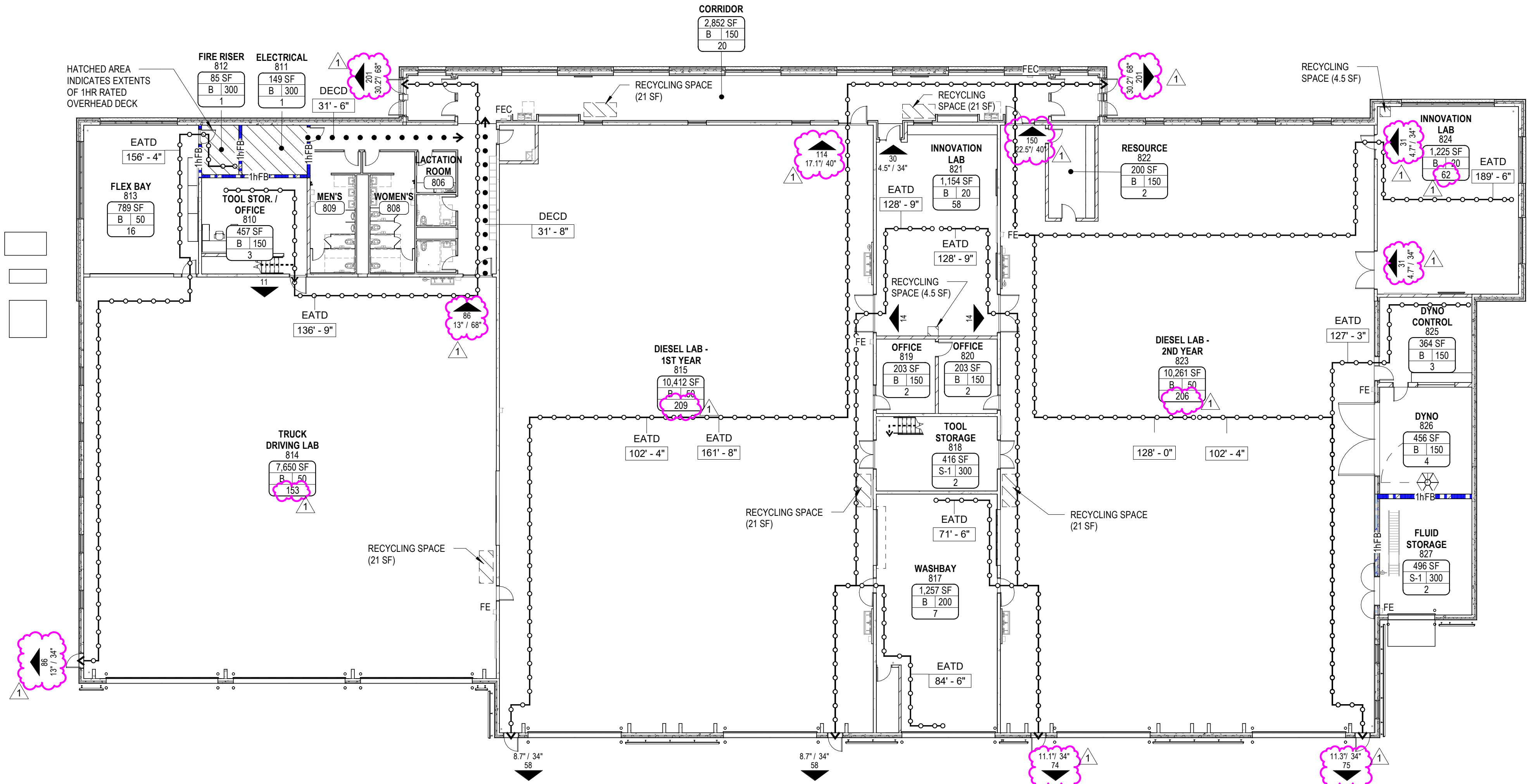
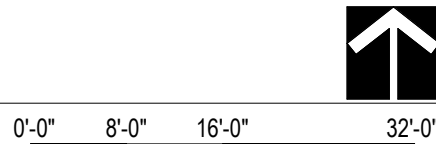
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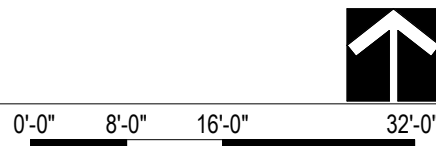
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C1 CODE PLAN MEZZANINE LEVEL - BUILDING AREA 7 - TC
G004 1/16" = 1'-0"



A1 CODE PLAN MAIN LEVEL - BUILDING AREA 7 - TC
G004 1/16" = 1'-0"



GENERAL CODE / LIFE SAFETY NOTES

- A. REFER TO ELECTRICAL DRAWINGS FOR EXIT SIGN LOCATIONS.
- B. FIRE WALLS, FIRE BARRIERS, FIRE PARTITIONS, SMOKE BARRIERS AND SMOKE PARTITIONS OR ANY OTHER WALL REQUIRED TO HAVE PROTECTED OPENINGS OR PENETRATIONS SHALL BE EFFECTIVELY AND PERMANENTLY IDENTIFIED WITH SIGNS OR STENCILING (IBC 703.7).
- MARKINGS SHALL BE LOCATED IN ACCESSIBLE CONCEALED FLOOR, FLOOR-CEILING OR INTERSTITIAL SPACES.
 - MARKINGS SHALL BE 3 INCH HIGH UPPER CASE BLOCK NUMERAL OR LETTER STENCILED WITH A MINIMUM OF 3/8 INCH STROKE ABOVE THE FINISHED CEILING, I.E. "1 HOUR FIRE BARRIER"
 - MARKINGS SHALL BE RED IN COLOR.
 - PROVIDE MARKINGS ON BOTH SIDES OF ALL RATED PARTITIONS, LOCATED CENTERED ABOVE DOOR OPENINGS IN EVERY ADJACENT ROOM, AND AT 6'-0" ON CENTER ENTIRE LENGTH OF WALLS.
 - COORDINATE WITH FACILITY STANDARDS PRIOR TO INSTALLING MARKINGS.

CODE LEGEND

CODE OCCUPANCY TAG

PARKING	OCCUPANCY DESCRIPTION
1,500 GSF	SQUARE FOOTAGE
S-2	OCCUPANT LOAD FACTOR
5	OCCUPANCY TYPE
	OCCUPANT LOAD

EXIT TAG

INDICATES EGRESS EXIT
OCCUPANTS
PROVIDED EXIT WIDTH
REQUIRED EXIT WIDTH

TRAVEL DISTANCE PATH

EXIT ACCESS TRAVEL DISTANCE (EATD)
COMMON PATH OF TRAVEL DISTANCE (CPTD)
DEAD END CORRIDOR DISTANCE (DECD)

FIRE RATING KEY

WALL RATING
1hFP
FIRE SEPARATION CATEGORY
FP FIRE PARTITION
FB FIRE BARRIER
FW FIRE WALL
SW SHAFT WALL (FIRE BARRIER)
SP SMOKE PARTITION
SB SMOKE BARRIER
** STRUCTURAL PROTECTION REQUIRED BY TABLE 602.1; SEE NOTE BELOW

MNBC 602.1 - "WHERE REQUIRED TO HAVE A FIRE-RESISTANCE RATING BY TABLE 601, BUILDING ELEMENTS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTION 703.2. THE PROTECTION OF OPENINGS, DUCTS AND AIR TRANSFER OPENINGS IN BUILDING ELEMENTS SHALL NOT BE REQUIRED UNLESS REQUIRED BY OTHER PROVISIONS OF THIS CODE."

1hFP 1 HOUR FIRE BARRIER



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AND COMM. COLLEGE**
1601 JEFFERSON STREET
ALEXANDRIA, MN 56308

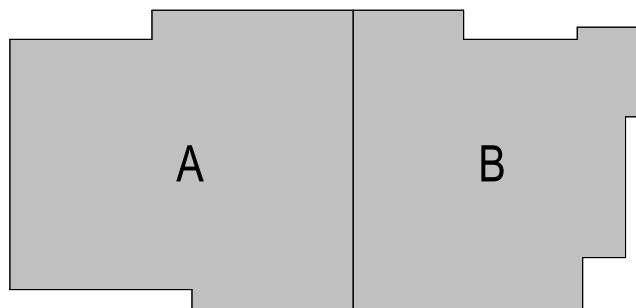
ELECTRICAL CONSULTANT:
HALLBERG ENGINEERING
5051 Miller Trunk Highway
Hermantown, MN 55811

ROOF CONSULTANT:
INSPER
1000 Parkers Lake Road, Suite 100
Wayzata, MN 55391

TECHNOLOGY CONSULTANT:
TRUE NORTH
140 3rd Street South
Stillwater, MN 55082

ACOUSTICS CONSULTANT:
KRA
1917 Coventry Court
Mendota Heights, MN 55118

TRANSPORTATION CENTER



KEYPLAN

THIS SQUARE APPEARS 1/2"x1/2"
ON FULL SIZE SHEETS

02/27/2026	BID PACK #2
12/22/2025	BID PACK #1
NO	DATE
	ISSUED FOR

1	07/14/2026	PR 07
NO	DATE	REVISION

I HEREBY CERTIFY that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature: *Sara G. Phillips*

Typed or Printed Name: SARA G. PHILLIPS

Date: 02/27/2026 License Number: 43551

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PROJECT NAME:
**ATCC-23
TRANSPORTATION
CENTER**

1601 JEFFERSON STREET
ALEXANDRIA, MN 56308

DRAWING TITLE:
**CODE PLANS -
BUILDING AREA 7**

DRAWN BY: KJS

CHECKED BY: SGP

PROJ. NO: 230736

DRAWING NO:

G004

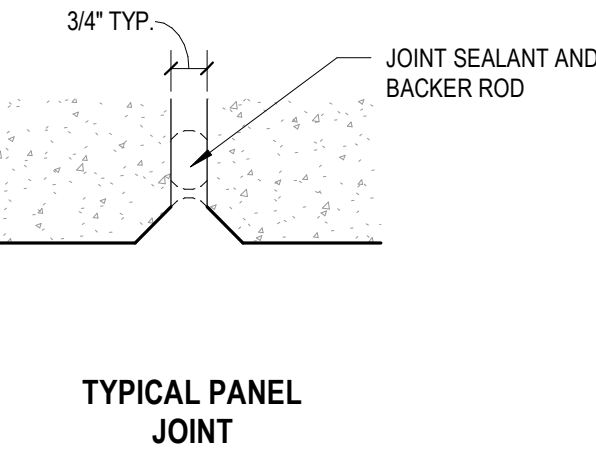
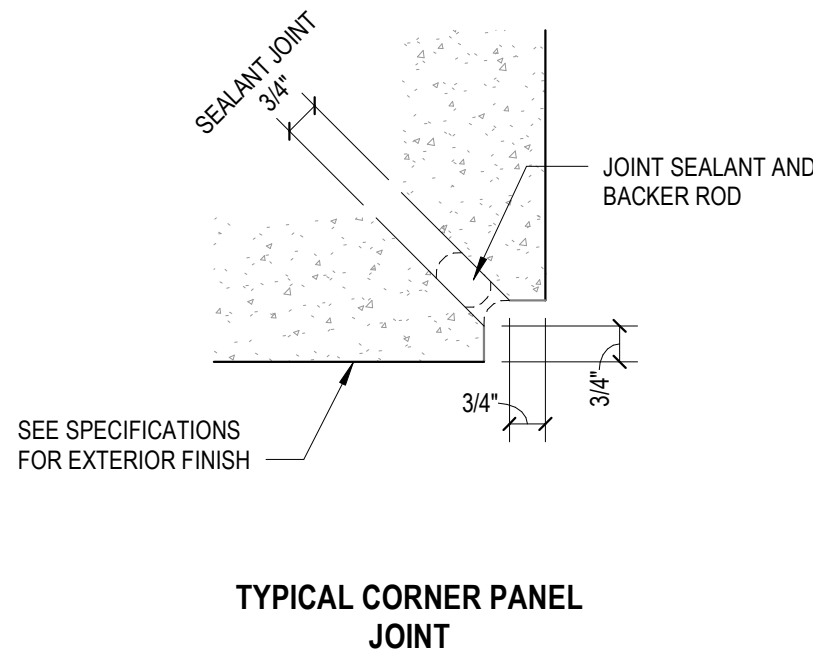
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D

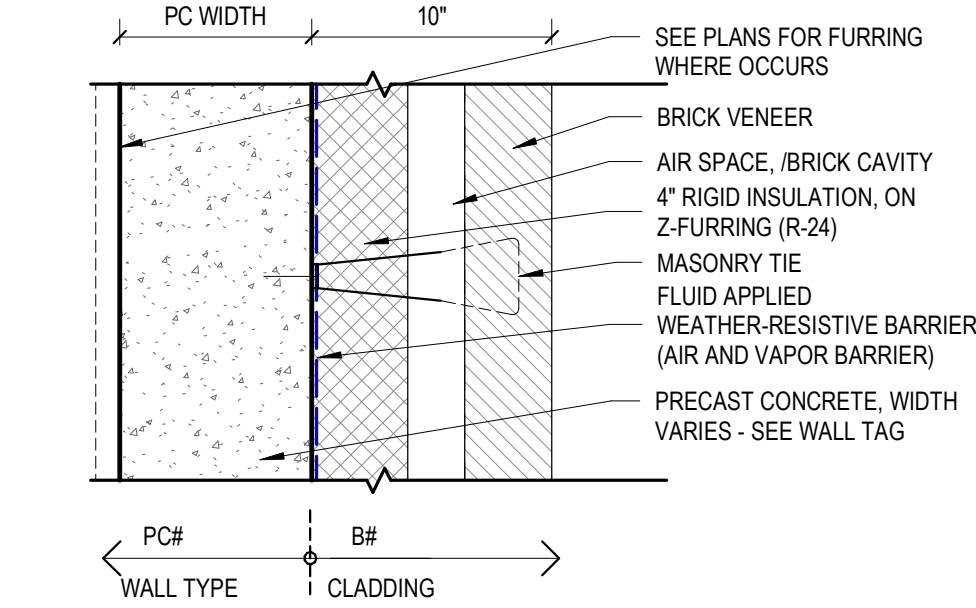
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B

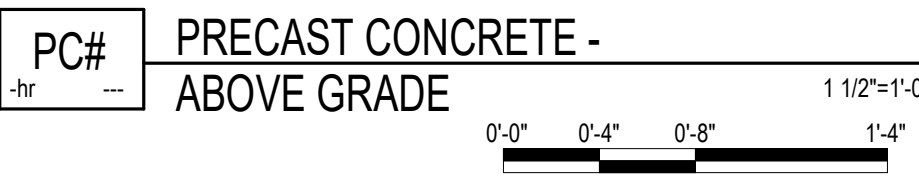
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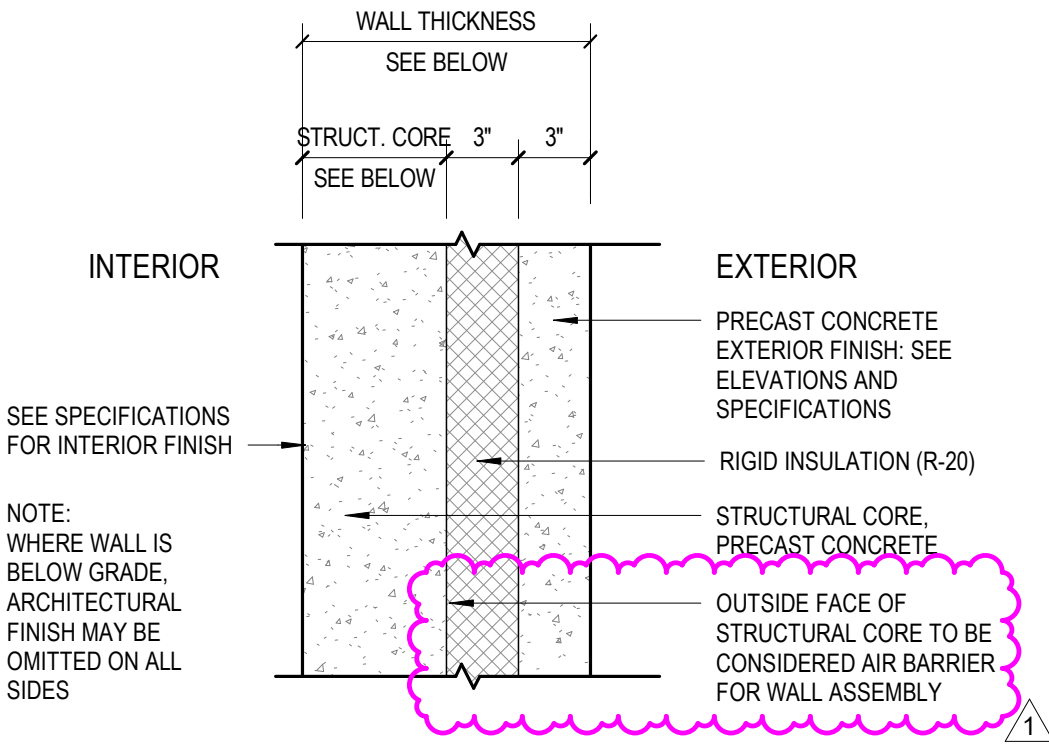
D3 PRECAST - TYPICAL JOINT DETAILS
G005 3" = 1'-0"



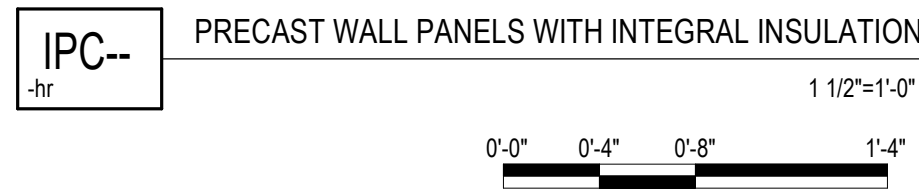
FIRE RATING	REFERENCE ASSEMBLIES	NOTES
0 HR	NA	
1 HR	MNBC TABLE 722.2.1.1	
3 HR	MNBC TABLE 722.2.1.1	



PARTITION TYPE	STRUCTURAL CORE	WALL THICKNESS	COMMENTS
PCB	6"	1'-6"	



FIRE RATING	REFERENCE ASSEMBLIES	NOTES
0 HR	NA	
1 HR	UL U906	
2 HR	UL U906	
3 HR	UL U907	



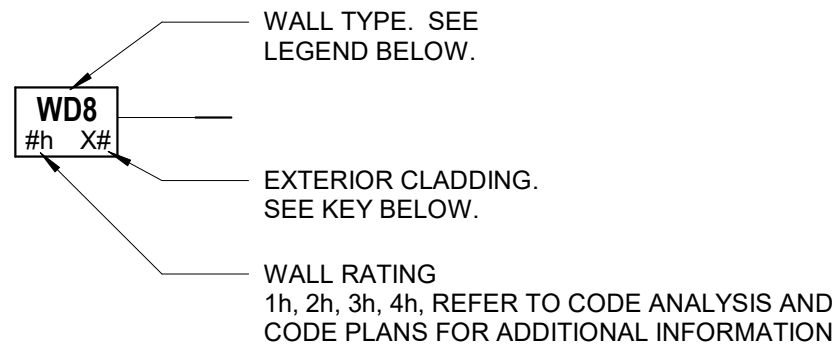
PARTITION TYPE	STRUCTURAL CORE	WALL THICKNESS	COMMENTS
IPC12	6"	1'-0"	
IPC14	8"	1'-2"	

EXTERIOR WALL TYPE NOTES:

THE FOLLOWING NOTES APPLY TO ALL EXTERIOR WALL TYPES.

- ALL METAL STUDS TO BE PLACED AT 16" O.C. U.N.O. REFER TO THE STRUCTURAL DRAWINGS FOR LOCATIONS AND SPECIAL REQUIREMENTS FOR STUD SPACING ON ALL BEARING WALL ASSEMBLIES.
- WALL AND PARTITION STANDARDS SHOWN ARE CONSIDERED MINIMUM STANDARDS. WHERE CONDITIONS OF THE WORK EXCEED THE MANUFACTURER'S RECOMMENDED LIMITS, REINFORCE THE WALL OR PARTITION AS REQUIRED.
- FOLLOW STRUCTURAL DETAILS, NOTES AND DRAWINGS FOR REINFORCING AND GROUTING IN MASONRY AND CONCRETE WALLS.
- PROVIDE BLOCKING OR BACKER MATERIAL WITHIN WALL FOR ALL WALL MOUNTED EQUIPMENT SHOWN OR NOTED IN THE CONSTRUCTION DOCUMENTS.
- SEE CODE PLANS FOR SMOKE AND FIRE RESISTANCE RATING REQUIREMENTS.
- AT FIRE RATED WALLS/ PARTITIONS PROVIDE CAVITY INSULATION AS REQUIRED BY THE SCHEDULED FIRE TEST ASSEMBLY DESIGNATION.
- AT FIRE RATED ASSEMBLIES PROVIDE TYPE 'X' GYPSUM BOARD.
- INSTALLED WALL ASSEMBLIES MUST COMPLY WITH THE TESTED ASSEMBLY NOTED FOR THAT WALL TYPE. ONLY PRODUCTS NOTED IN THE TESTED ASSEMBLY ARE ACCEPTABLE FOR USE. IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO SHOW COMPLIANCE WITH THE ASSEMBLY NOTED, OR PROPOSE AN EQUIVALENT TESTED ASSEMBLY USING THE DESIRED MATERIALS. FOR THE ARCHITECT, ENGINEER, AND BUILDING OFFICIAL TO REVIEW AND APPROVE.
- PROVIDE MANUFACTURER APPROVED TERMINATIONS, FLASHINGS, AND ACCESSORIES FOR WATERPROOFING SYSTEMS. SEE APPROPRIATE SPECIFICATION SECTIONS FOR ADDITIONAL INFORMATION.
- SEE ELEVATIONS FOR TYPES AND LOCATIONS OF EXTERIOR MATERIALS.
- SEE ELEVATIONS AND DETAILS FOR LOCATIONS OF METAL TRIMS AND REVEALS.
- PROVIDE WOOD SHEATHING IN LIEU OF GYPSUM SHEATHING WHERE REQUIRED BY STRUCTURAL FOR SHEAR WALLS.
- PROVIDE PLYWOOD SHEATHING IN LIEU OF GYPSUM SHEATHING WHERE REQUIRED AS NAIL BASE FOR CLADDING AND ACCESSORIES (I.E. METAL TRIMS AND REVEALS).
- FIRE RATING FOR EXTERIOR WALLS DOES NOT REQUIRE OPENINGS TO BE RATED UNLESS OTHERWISE NOTED.

EXTERIOR WALL TAG KEY:



EXTERIOR CLADDING LEGEND:

- B#** - BRICK VENEER
MP# - METAL PANEL
CS# - CAST STONE
WP# - FOUNDATION WATERPROOFING

EXTERIOR WALL TYPE LEGEND:

- CMU** - CONCRETE MASONRY UNIT
6 = 6" NOMINAL CMU
8 = 8" NOMINAL CMU
10 = 10" NOMINAL CMU
12 = 12" NOMINAL CMU
14 = 14" NOMINAL CMU
16 = 16" NOMINAL CMU

- IPC** - PRECAST WALL PANEL WITH INTEGRAL INSULATION
12 = 12" ACTUAL WIDTH
14 = 14" ACTUAL WIDTH



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NO DATE ISSUED FOR

1 02/27/2026 BID PACK #2
NO DATE REVISION

I HEREBY CERTIFY that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Architect under the laws of the State of Minnesota.

Signature: *Sara G. Phillips*

Typed or Printed Name: SARA G. PHILLIPS

Date: 12/22/2025 License Number: 43551

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PROJECT NAME:

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ALEXANDRIA, MN 56308

DRAWING TITLE:

EXTERIOR WALL TYPES

DRAWN BY: KJS

CHECKED BY: SGP

PROJ. NO: 230736

DRAWING NO:

G005