

JOLIET JUNIOR COLLEGE

ROMEDEVILLE CAMPUS EXPANSION

1125 135th ST. ROMEDEVILLE, IL 60446

ISSUED FOR CONSTRUCTION

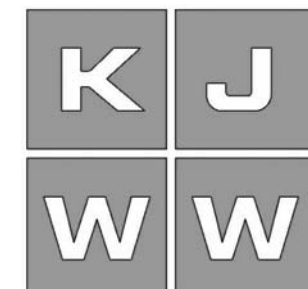
9/21/15

DKA PROJECT NO: 14-005



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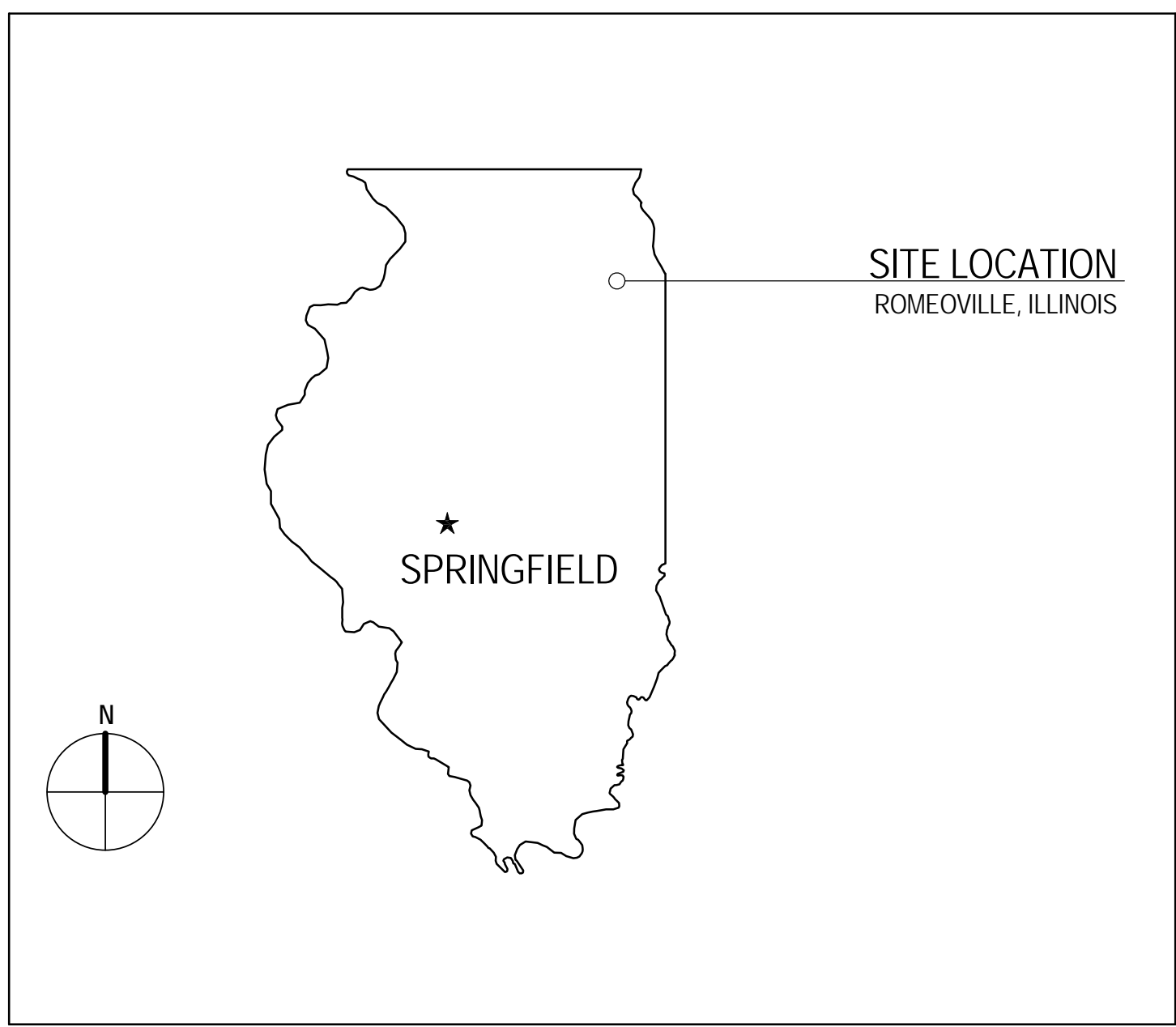
CONSTRUCTION MANAGER

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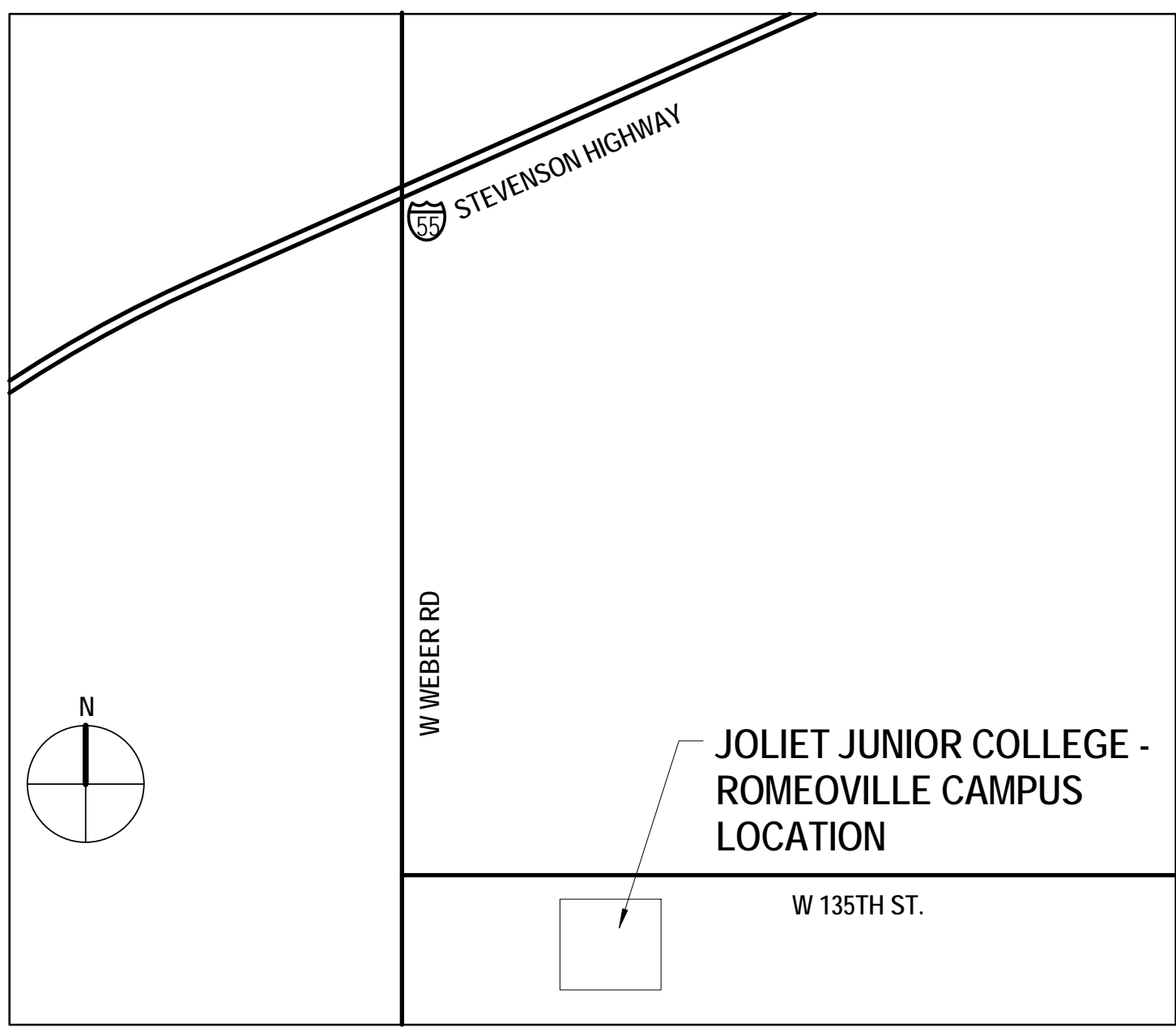
ABBREVIATIONS

AP ACCESS PANEL	HDW HARDWARE	TEL TELEPHONE
ACOUST ACUSTICAL	HDWD HARDWOOD	TV TELEVISION
ACT ACUSTICAL CEILING TILE	HDR HEADER	TRZ TERRAZZO
ADJ ADJACENT	HTG HEATING	TB TILE BASE
A.F.F. ABOVE FINISH FLOOR	HVAC HEATING, VENTILATING, AIR CONDITIONING	THK THICK
AGGR AGGREGATE	HT HEIGHT	T.O.C. TOP OF CURB
AC AIR CONDITIONING	HC HOLLOW CORE	TOP TOP OF PAVEMENT
ALT ALTERNATE	HM HOLLOW METAL	TOW TOP OF WALL
ALUM ALUMINUM	HMF HOLLOW METAL FRAME	T&G TONGUE AND GROOVE
L ANGLE	HORZ HORIZONTAL	TYP TYPICAL
APPD APPROVED	HB HOSE BIB	
APPROX APPROXIMATE	HR HOUR	
ARCH ARCHITECTURAL OR ARCHITECT		UNF UNFINISHED
AD AREA DRAIN		U.N.O. UNLESS NOTED OTHERWISE
ASB ASBESTOS	INC INCLUDE	UR URINAL
ASPH ASPHALT	I.D. INSIDE DIAMETER	
AV AUDIO VISUAL	INSUL INSULATION	
	INTR INTERIOR	
	INV INVERT	
BSMT BASEMENT	JAN JANITOR	VB VINYL BASE
BRG BEARING	JT JOINT	VERT VERTICAL
BM BEAM	KIT KITCHEN	VEST VESTIBULE
BTW BETWEEN	LAM LAMINATE	VCT VINYL COMPOSITION TILE
BITUM BITUMINOUS	LAV LAVATORY	VW VINYL WALLCOVERING
BLK BLOCK	LH LEFT HAND	
BLKG BLOCKING	LGTH LENGTH	WC WAINSCOT
BD BOARD	LT LIGHT	WC WATER CLOSET
BRK BRICK	LWC LIGHT WEIGHT CONCRETE	WLK WALK-OFF MAT
BLDG BUILDING	LTL LINTEL	WR WATER RESISTANT
	LN LINOLEUM	WT WALL TILE OR WEIGHT
	LL LIVE LOAD	W WEST
		W WIDE FLANGE "W16x21"
CAB CABINET		W WIDTH
CIP CAST IN PLACE		W/O WITHOUT
CPCC CAST IN PLACE CONCRETE		WD WOOD
CI CURB INLET	MH MANHOLE	WDP WOOD PANEL
CB CATCH BASIN	MFR MANUFACTURER	X EXISTING
CLG CEILING	MAS MASONRY	
CTR CENTER	MO MASONRY OPENING	
CJ CONTROL JOINT	MTL METAL	
CL CENTER LINE	MAX MAXIMUM	
CPT CARPET	MECH MECHANICAL	
CT CERAMIC TILE	MTC MECHANICAL TRADES CONTRACTOR	
CLR CLEAR	MEMB MEMBRANE	
CLO CLOSET	MT MARBLE TILE	
COL COLUMN	MIN MINIMUM	
CONC CONCRETE	MISC MISCELLANEOUS	
CONN CONNECTION	MTD MOUNDED	
CONST CONSTRUCTION	MTG MOUNTING	
CM CONSTRUCTION MANAGER	MUL MULLION	
CONT CONTINUOUS OR CONTINUE		
CONTR CONTRACTOR	NOM NOMINAL	
CK CORK	NORTH	
CORR CORRIDOR	N.I.C. NOT IN CONTRACT	
CNSK COUNTERSUNK	N.T.S. NOT TO SCALE	
CRS COURSE	NO OR # NUMBER	
DEMO DEMOLISH OR DEMOLITION	OBS OBSOLETE	
DEPT DEPARTMENT	OFF OFFICE	
DL DEAD LOAD	O.C. ON CENTER	
DIA DIAMETER	OFCI OWNER FURNISHED, CONTRACTOR INSTALLED	
DIM DIMENSION	OFOI OWNER FURNISHED, OWNER INSTALLED	
DISP DISPENSER	OPNG OPENING	
DIV DIVISION	OPP OPPOSITE	
DR DOOR	OSB ORIENTED STRAND BOARD	
DO DOOR OPENING	O.D. OUTSIDE DIAMETER	
DBL DOUBLE	OA OVERALL	
DS DOWNSPOUT	OFD OVERFLOW DRAIN	
DRW DRAWING		
DWG DRAWING	PT PAINT	
DF DRINKING FOUNTAIN	PTD PAINTED	
DS DRY STANDPIPE	PR PAIR	
DWT DETECTABLE WARNING TILE	PNL PANEL	
	PBD PARTICLE BOARD	
	PTN PARTITION	
E EAST	PLAS PLASTIC	
EA EACH	PLAM PLASTIC LAMINATE	
EIFS EXTERIOR INSULATION FINISH SYSTEM	PL PLATE	
ELEC ELECTRICAL	PTC PLUMBING TRADES CONTRACTOR	
ETC ELECTRICAL TRADES CONTRACTOR	PLYWD PLYWOOD	
EWG ELECTRICAL WATER COOLER	PSI POUNDS PER SQUARE INCH	
EP ELECTRICAL PANEL BOARD	PC PRECAST	
ELEV ELEVATION	PCC PRECAST CONCRETE	
ELEVTR ELEVATOR		
ENCL ENCLOSURE	QT QUARRY TILE	
EMER EMERGENCY	R RADIUS	
EP PT EPOXY PAINT	RWL RAIN WATER LEADER	
EPF EPOXY FLOORING	RFRG REFRIGERATOR	
EQ EQUAL	RGTR REGISTER	
EQPMT EQUIPMENT	REINF REINFORCED	
EXSTG EXISTING	REQD REQUIRED	
EXP EXPANSION	RES RESILIENT	
EXP JT EXPANSION JOINT	RA RETURN AIR	
EXPD EXPOSED	RAG RETURN AIR GRILLE	
EXTR EXTERIOR	RH RIGHT HAND	
	ROW RIGHT OF WAY	
	R RISER	
	RD ROOF DRAIN	
FOC FACE OF CONCRETE	RM ROOM	
FOF FACE OF FINISH	R.O. ROUGH OPENING	
FOS FACE OF STUD	RB RUBBER BASE	
FR FIBERGLASS REINFORCED PANEL		
FIN FINISH OR FINISHED	SECT SECTION	
FA FIRE ALARM	SK SINK	
FE FIRE EXTINGUISHER	SCHED SCHEDULE	
FEC FIRE EXTINGUISHER CABINET	SHTG SHEATHING	
FHC FIRE HOSE CABINET	SHT SHEET	
FRRF FIREPROOF	SV SHEET VINYL	
FB FLAT BAR STOCK	SHWR SHOWER	
FL FLOOR	SIM SIMILAR	
FD FLOOR DRAIN	SC SEALED CONCRETE	
FLUOR FLUORESCENT	SPM SINGLE PLY MEMBRANE	
FT FOOT OR FEET	S SOUTH	
FTG FOOTING	SFRM SPRAY APPLIED FIRE RESISTIVE MATERIAL	
FDN FOUNDATION	SPEC SPECIFICATION	
FRM FRAME	SO SQUARE	
FRMG FRAMING	S.S. STAINLESS STEEL	
FS FULL SIZE	STD STANDARD	
FURR FURRING	STA STATION	
FUTR FUTURE	STL STEEL	
FW FABRIC WALLCOVERING	STOR STORAGE	
	STRUCT STRUCTURE OR STRUCTURAL	
GA GAUGE	SUSP SUSPENDED	
GALV GALVANIZED	SAT SUSPENDED ACUSTICAL TILE	
GEN GENERAL	SYM SYMMETRICAL	
GC GENERAL CONTRACTOR		
GTC GENERAL TRADES CONTRACTOR		
GL GLASS OR GLAZING		
GD GRADE		
GND GROUND		
GYP BD GYPSUM BOARD		

STATE LOCATION MAP



AREA MAP



SHEET INDEX

A102 LEVEL 2 FURNITURE PLAN (FOR REFERENCE ONLY)	FP00 FIRE PROTECTION COVER SHEET
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A010 CODE PLANS	FP20 LEVEL 2 PLAN - FIRE PROTECTION
A101 OVERALL PLAN - LEVEL 1	FP200 FIRE PROTECTION RISER DIAGRAM & MATERIAL LIST
A102 OVERALL PLAN - LEVEL 2	FP201 FIRE PROTECTION DIAGRAM
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A104 ALTERNATE BID #1 - DETAILS - NOT IN CONTRACT	E001 ELECTRICAL SITE PLAN - CENTRAL UTILITY
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A121 LEVEL 2 PLAN - WEST	E111 LEVEL 1 PLAN - WEST - LIGHTING
A122 LEVEL 2 PLAN - EAST	E112 LEVEL 1 PLAN - WEST - LIGHTING
A131 LEVEL 1 DIMENSION PLAN - WEST	E121 LEVEL 2 PLAN - WEST - LIGHTING
A132 LEVEL 1 DIMENSION PLAN - EAST	E122 LEVEL 2 PLAN - EAST - LIGHTING
A141 LEVEL 2 DIMENSION PLAN - WEST	E211 LEVEL 1 PLAN - WEST - POWER
A142 LEVEL 2 DIMENSION PLAN - EAST	E212 LEVEL 1 PLAN - EAST - POWER
A211 LEVEL 1 REFLECTED CEILING PLAN - WEST	E221 LEVEL 2 PLAN - WEST - POWER
A212 LEVEL 1 REFLECTED CEILING PLAN - EAST	E222 LEVEL 2 PLAN - EAST - POWER
A221 LEVEL 2 REFLECTED CEILING PLAN - WEST	E230 OVERALL ROOF PLAN - ELECTRICAL
A222 LEVEL 2 REFLECTED CEILING PLAN - EAST	E311 LEVEL 1 PLAN - WEST - SYSTEMS
A223 ENLARGED REFLECTED CEILING PLANS	E312 LEVEL 1 PLAN - EAST - SYSTEMS
A301 ROOF PLAN	E321 LEVEL 2 PLAN - WEST - SYSTEMS
A311 ROOF DETAILS	E322 LEVEL 2 PLAN - EAST - SYSTEMS
A312 ROOF DETAILS	E400 ELECTRICAL DETAILS
A313 ROOF DETAILS	E401 ELECTRICAL DETAILS
A314 ROOF DETAILS	E402 ELECTRICAL DETAILS
A315 MECHANICAL SCREEN DETAILS	E403 ELECTRICAL DETAILS
A401 EXTERIOR ELEVATIONS	E404 ELECTRICAL DETAILS
A402 EXTERIOR ELEVATIONS	E405 ELECTRICAL DETAILS
A403 EXTERIOR ELEVATIONS	E406 ELECTRICAL DETAILS
A404 EXTERIOR ELEVATIONS	E410 ELECTRICAL ENLARGED PLANS
A405 BUILDING SECTIONS	E500 ELECTRICAL SCHEDULES
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A409 WALL SECTIONS	E511 ELECTRICAL PANEL SCHEDULES
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A702 DETAILS	E600 ELECTRICAL ONE LINE DIAGRAM-NORMAL
A703 DETAILS	E601 ELECTRICAL ONE LINE DIAGRAM-EMERGENCY
A704 DETAILS	
A705 DETAILS	
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A752 PLAN DETAILS	T111 LEVEL 1 PLAN - WEST - TECHNOLOGY
A753 PLAN DETAILS	T112 LEVEL 1 PLAN - EAST - TECHNOLOGY
A781 INTERIOR DETAILS	T121 LEVEL 2 PLAN - WEST - TECHNOLOGY
A791 CEILING DETAILS	T122 LEVEL 2 PLAN - EAST - TECHNOLOGY
A792 CEILING DETAILS	T300 ENLARGED PLANS - TECHNOLOGY
A793 CEILING DETAILS	T400 TECHNOLOGY DETAILS
A794 CEILING DETAILS	T401 TECHNOLOGY DETAILS
A801 ENLARGED TOILET ROOM PLANS AND ELEVATIONS	T500 TECHNOLOGY DETAILS AND SCHEDULES
A811 SCIENCE LABS - ENLARGED PLAN	T600 TECHNOLOGY EQUIPMENT SCHEDULE
A812 SCIENCE LABS - SCHEDULES	
A813 SCIENCE LABS - ENLARGED CASEWORK PLANS AND DETAILS	
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A815 UNIFORM	
A851 ENLARGED STAIR PLANS, SECTIONS, AND DETAILS	
A852 ENLARGED STAIR PLANS, SECTIONS, AND DETAILS	
A853 ENLARGED STAIR AND ELEVATOR PLANS, SECTIONS, AND DETAILS	
A901 INTERIOR ELEVATIONS	
A902 INTERIOR ELEVATIONS	
A903 INTERIOR ELEVATIONS	
A904 INTERIOR ELEVATIONS	
A951 MILLWORK DETAILS	
A952 MILLWORK DETAILS	
A953 MILLWORK DETAILS	
A954 MILLWORK DETAILS	
A955 MILLWORK DETAILS	
A956 MILLWORK DETAILS	
A957 MILLWORK DETAILS	
A958 MILLWORK DETAILS	
A1001 WALL PARTITION TYPES AND DETAILS	
A1011 WINDOW ELEVATIONS	
A1012 WINDOW ELEVATIONS	
A1013 WINDOW ELEVATIONS	
A1014 WINDOW ELEVATIONS	
A1101 LEVEL 1 FINISH PLAN - WEST	
A1102 LEVEL 1 FINISH PLAN - EAST	
A1103 LEVEL 2 FINISH PLAN - WEST	
A1104 LEVEL 2 FINISH PLAN - EAST	
A1201 LEVEL 1 FURNITURE PLAN (FOR REFERENCE ONLY)	
S000 GENERAL NOTES	
S101 FOUNDATION PLAN - DIMENSIONAL	
S102 ALTERNATE BID #1 - PLANS, DETAILS	
S111 FOUNDATION PLAN - WEST	
S112 FOUNDATION PLAN - EAST	
S121 SECOND FLOOR FRAMING PLAN - WEST	
S122 SECOND FLOOR FRAMING PLAN - EAST	
S123 SECOND FLOOR LOW ROOF FRAMING PLAN	
S131 ROOF FRAMING PLAN - WEST	
S132 ROOF FRAMING PLAN - EAST	
S141 HIGH ROOF FRAMING PLAN - EAST	
S200 FOUNDATION DETAILS	
S201 FOUNDATION DETAILS	
S300 STEEL DETAILS	
S301 STEEL DETAILS	
S302 STEEL DETAILS	
S303 STEEL DETAILS	
M000 MECHANICAL COVER SHEET	
M111 LEVEL 1 PLAN - WEST - VENTILATION	
M112 LEVEL 1 PLAN - EAST - VENTILATION	
M121 LEVEL 2 PLAN - WEST - VENTILATION	
M122 LEVEL 2 PLAN - EAST - VENTILATION	
M131 ROOF PLAN - WEST - VENTILATION	
M132 ROOF PLAN - EAST - VENTILATION	
M211 LEVEL 1 PLAN - WEST - PIPING	
M212 LEVEL 1 PLAN - EAST - PIPING	
M221 LEVEL 2 PLAN - WEST - PIPING	
M222 LEVEL 2 PLAN - EAST - PIPING	
M231 ROOF PLAN - WEST - PIPING	
M232 ROOF PLAN - EAST - PIPING	
M300 ENLARGED PLANS-MECHANICAL	
M400 MECHANICAL DETAILS	
M401 MECHANICAL DETAILS	
M402 MECHANICAL DETAILS	
M403 MECHANICAL DETAILS	
M500 MECHANICAL SCHEDULES	
M501 MECHANICAL SCHEDULES	
M502 MECHANICAL SCHEDULES	
M600 HEATING WATER FLOW DIAGRAM	
M700 CONTROL DIAGRAMS	
M701 CONTROL DIAGRAMS	
M702 CONTROL DIAGRAMS	
M703 CONTROL DIAGRAMS	
P000 PLUMBING COVER SHEET	
P101 UNDER FLOOR PLAN - WEST - PLUMBING	
P102 UNDER FLOOR PLAN - EAST - PLUMBING	
P111 LEVEL 1 PLAN - WEST - PLUMBING	
P112 LEVEL 1 PLAN - EAST - PLUMBING	
P121 LEVEL 2 PLAN - WEST - PLUMBING	
P122 LEVEL 2 PLAN - EAST - PLUMBING	
P131 ROOF PLAN - WEST - PLUMBING	
P132 ROOF PLAN - EAST - PLUMBING	
P300 ENLARGED PLANS - PLUMBING	
P301 ENLARGED PLANS - PLUMBING	
P302 ENLARGED PLANS - PLUMBING	
P303 ENLARGED PLANS - PLUMBING	
P400 PLUMBING DETAILS	
P401 PLUMBING DETAILS	
P402 PLUMBING DETAILS	
P500 PLUMBING MATERIAL LIST	



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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST., ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**SHEET INDEX,
 ABBREVIATIONS,
 SYMBOLS & NOTES**

SHEET NUMBER:
G1.00



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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

CODE COMPLIANCE NOTES:

APPLICABLE CODES:
 2009 INTERNATIONAL BUILDING CODE
 2009 INTERNATIONAL PROPERTY MAINTENANCE CODE
 2012 INTERNATIONAL ENERGY CODE
 2009 INTERNATIONAL FIRE CODE
 2009 INTERNATIONAL MECHANICAL CODE
 2009 INTERNATIONAL CONSERVATION CODE
 2011 NATIONAL ELECTRICAL CODE
 CURRENT EDITION, ILLINOIS PLUMBING CODE
 1991 ILLINOIS ACCESSIBILITY CODE
 CURRENT EDITION, ASME A117.1 SAFETY CODE FOR ELEVATORS AND ESCALATORS

BUILDING AREA AND HEIGHT SUMMARY:
 FIRST FLOOR (GROSS): 28,073 SF
 SECOND FLOOR (GROSS): 21,995 SF
 TOTAL AREA ALL FLOORS: 50,028 SF
 BUILDING HEIGHT: 2 STORES

BUILDING CODE CLASSIFICATION:
 1. UNSEPARATED MIXED USE OCCUPANCY:
 USE A.2 AND A.3 ASSEMBLY
 USE B. BUSINESS

2. CONSTRUCTION TYPE: 2B, FULLY SPRINKLERED

3. ALLOWABLE AREA AND HEIGHT, BASED ON USE GROUP A-2:
 BASE FLOOR AREA: 9,500 SF
 AUTOMATIC SPRINKLER INCREASE, 200%: 19,000 SF
 FRONTAGE INCREASE, 100% ACCESS: 7,125 SF
 MAX. AREA PER FLOOR: 35,625 SF
 BASE BUILDING HEIGHT: 2 STORES
 AUTOMATIC SPRINKLER INCREASE: 1 STORY
 MAX. BUILDING HEIGHT: 3 STORES

5. FIRE RESISTANCE RATINGS, TYPE 2B CONSTRUCTION:
 STRUCTURAL FRAME: 0 HRS
 EXTERIOR BEARING WALLS: 0 HRS
 INTERIOR BEARING WALLS: 0 HRS
 EXTERIOR NON-BEARING WALLS: 0 HRS
 INTERIOR NON-BEARING WALLS: 0 HRS
 FLOOR CONSTRUCTION: 0 HRS
 ROOF CONSTRUCTION: 0 HRS

6. FIRE RESISTANCE RATED SEPARATIONS:
 CORRIDORS: 1 HR FIRE BARRIER
 VERTICAL EXIT ENCLOSURES (PROVIDE RATINGS AS SHOWN ON PLAN)
 WALLS: 1 HR FIRE BARRIER
 FLOORS/CEILING (MATCH WALLS): -

8. EXIT ACCESS TRAVEL DISTANCES, WITH SPRINKLER SYSTEM:
 USE B. BUSINESS: 30 FT.

9. COMMON PATH OF EGRESS TRAVEL, WITH SPRINKLER SYSTEM:
 USE B. BUSINESS: 30 FT.

10. DEAD END CORRIDOR LENGTH, WITH SPRINKLER SYSTEM:
 USE B. BUSINESS: 50 FT.

CODE COMPLIANCE PLAN SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

ROOM/OCCUPANT LOAD

FUNCTION OF SPACE
 * ASTERISK INDICATES REQUIREMENT TO POST A ROOM OCCUPANT LOAD PLACARD

ASSEMBLY
 150 SF | 30
 11 TO EXIT 1
 10 TO EXIT 2
 8 TO EXIT 3

SQUARE FOOTAGE PER OCCUPANT
 MAXIMUM OCCUPANT LOAD PER DESIGN
 OCCUPANT LOAD AND ASSIGNED EXIT DISCHARGE

EXIT ACCESS TRAVEL DISTANCE

TRAVEL DISTANCE TO NEAREST EXIT ACCESS
 LINE TYPE DENOTES COMMON PATH OF EGRESS TRAVEL
 TRAVEL DISTANCE ON COMMON PATH OF EGRESS
 DENOTES END OF COMMON PATH OF EGRESS TRAVEL
 DENOTES DIRECTION OF ALTERNATE PATH OF EGRESS
 EXIT DISCHARGE

EXIT OCCUPANT LOAD

EXIT DISCHARGE NUMBER
 ACTUAL OCCUPANT LOAD PER DESIGN
 MAXIMUM OCCUPANT LOAD PER DESIGN

EXIT SIGNS

SOLID HATCH DENOTES EXIT SIGN FACE PLACEMENT
 DIRECTION OF EGRESS
 EXIT SIGN, WALL MOUNTED

FIRE RESISTANCE RATED SEPARATION TYPES

*SEE WALL TYPES FOR CONSTRUCTION REQUIREMENTS

FW FIRE WALL
 FB FIRE BARRIER
 FP FIRE PARTITION
 SP SMOKE PARTITION

HA HORIZ. ASSEMBLY
 SH SHAFT ENCLOSURE
 SB SMOKE BARRIER

SMOKE PARTITION
 1 HR FIRE RESISTANCE RATED CONSTRUCTION
 2 HR FIRE RESISTANCE RATED CONSTRUCTION
 3 HR FIRE RESISTANCE RATED CONSTRUCTION
 4 HR FIRE RESISTANCE RATED CONSTRUCTION

DEVICES

FEC SEMI-RECESSED FIRE EXTINGUISHER CABINET
 ANN FIRE ALARM ANNUCIATOR PANEL

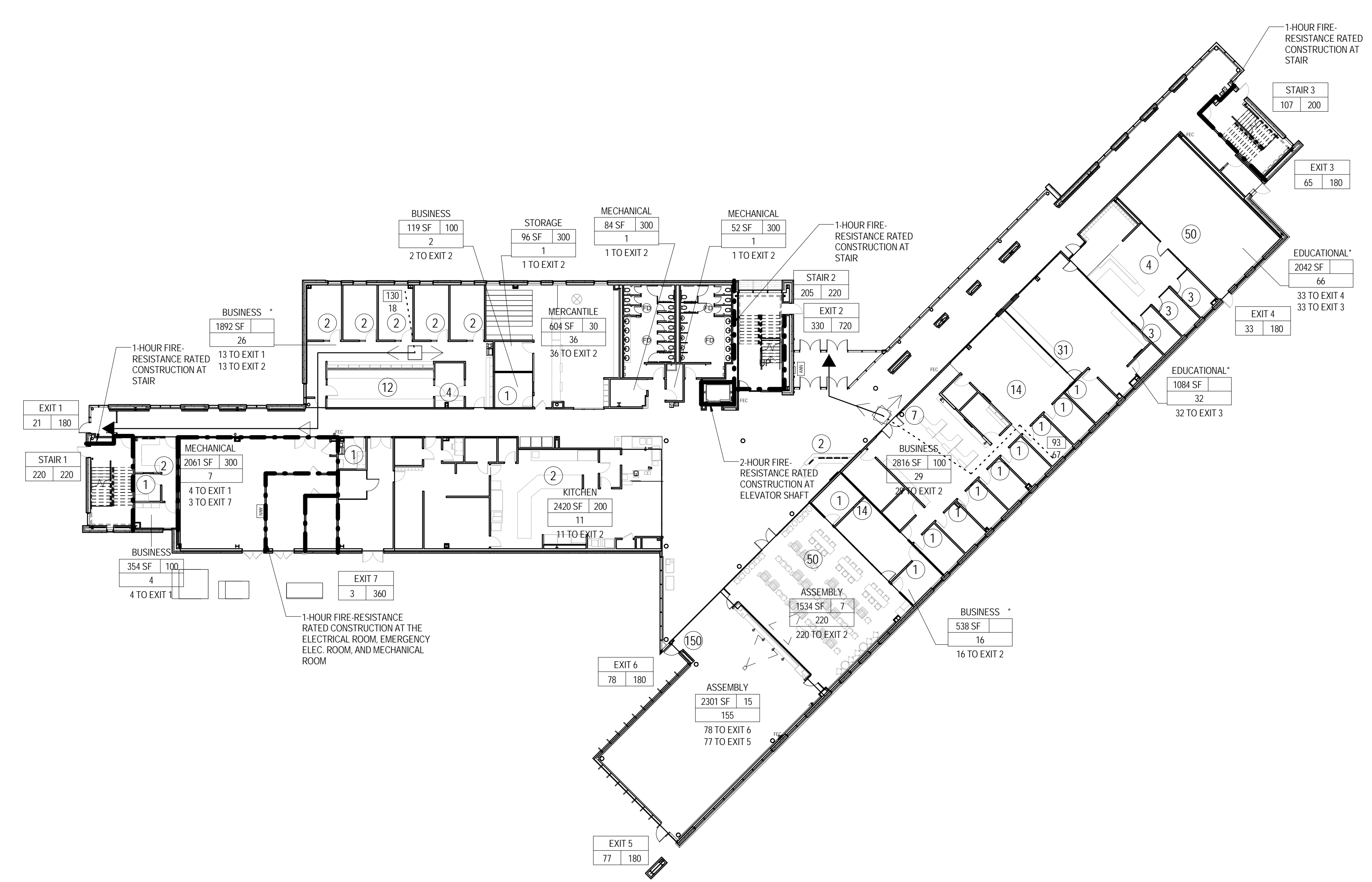
PLUMBING FIXTURE COUNT:

1. NUMBER OF OCCUPANTS, ACTUAL: 796

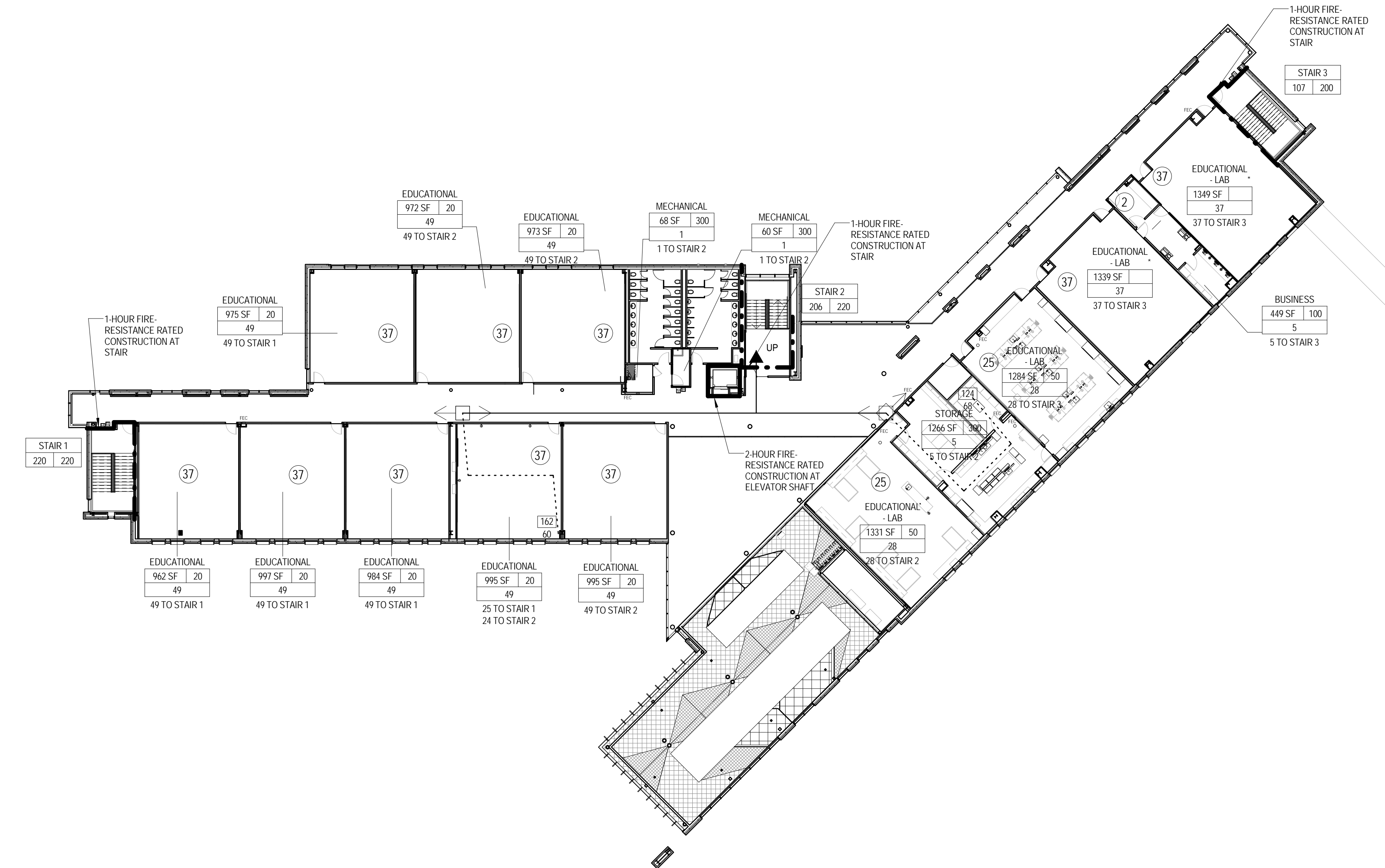
2. NUMBER OF OCCUPANTS, PER SEX: 398

3. BUILDING TYPE: COLLEGE

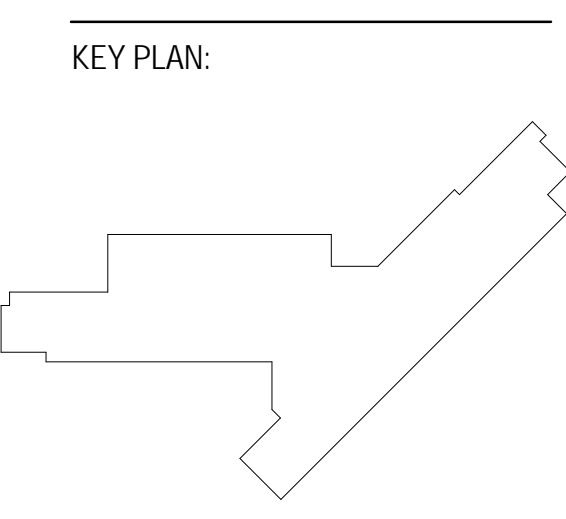
FIXTURE TYPE	QUANTITY			
	REQUIRED		CURRENTLY PROVIDED	
	WOMEN	MEN	WOMEN	MEN
LAVATORIES	10	10	10	10
WATER CLOSETS	20	10	20	10
URINALS	--	10	--	10
DRINKING FOUNTAINS		11		11
SERVICE SINKS		1 PER FLOOR		2



1 LEVEL 1 CODE PLAN
 3/64" = 1'-0"
 TRUE NORTH



2 LEVEL 2 CODE PLAN
 3/64" = 1'-0"
 TRUE NORTH



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
CODE PLANS

SHEET NUMBER:
A0.10



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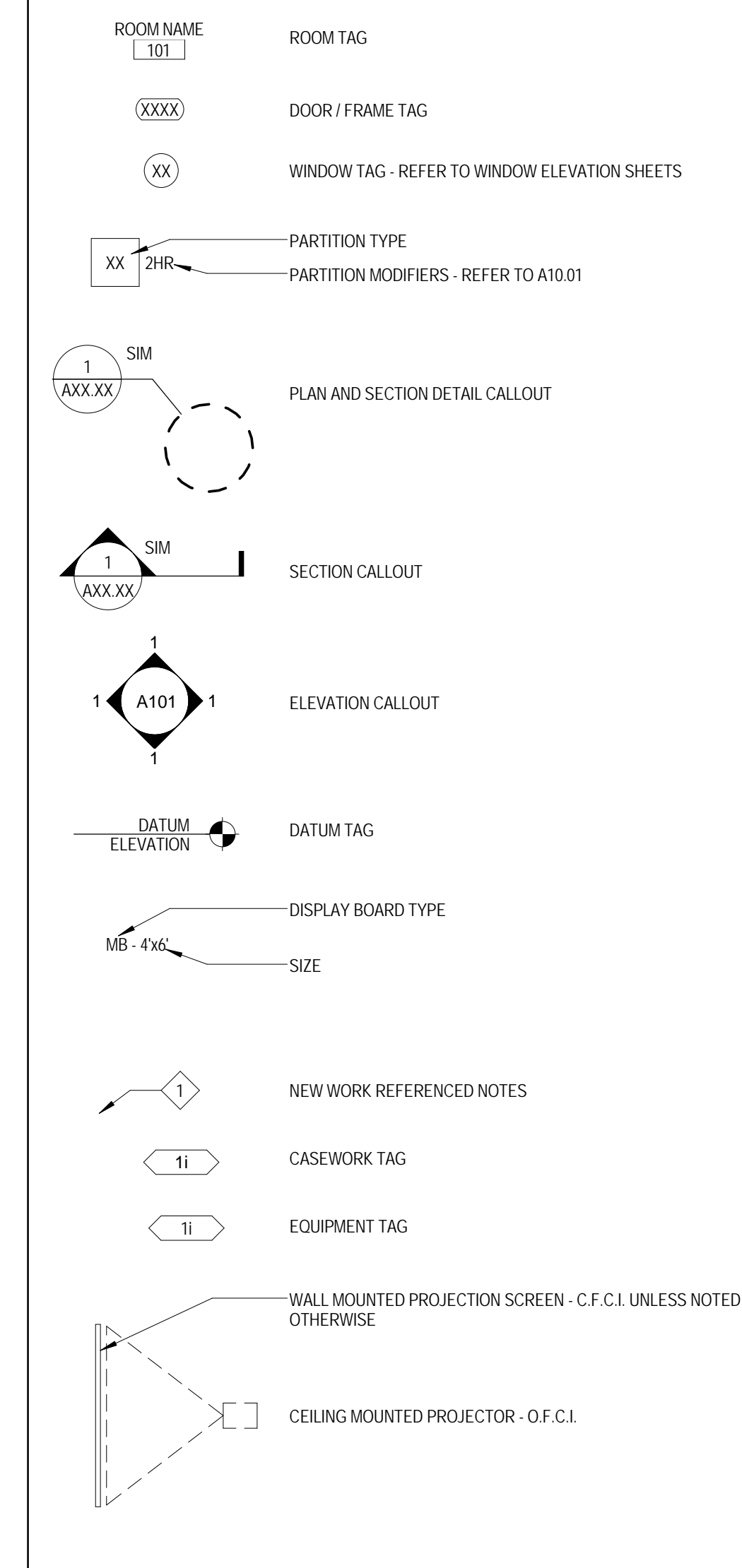
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 DKA PROJECT NO: 14-005

FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS



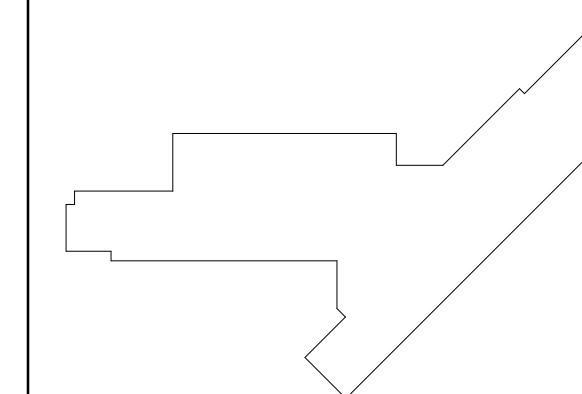
FLOOR PLAN GENERAL NOTES:

1. FINISH FLOOR ELEVATION OF 0'-0" = 471.8' USGS
2. ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
3. REFER TO CODE PLANS ON SHEET A0.10 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
4. DO NOT SCALE DRAWINGS.
5. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
6. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
8. ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
9. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
10. REFER TO A10.01 FOR PARTITION SCHEDULE. ALL INTERIOR PARTITIONS SHALL BE TYPE STA. U.N.O. ALL GYP BD COLUMN ENCLOSURES SHALL BE TYPE SXC. U.N.O.
11. REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.
12. PROVIDE IN WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT NOTED THROUGHOUT DRAWINGS.
13. CASEWORK AND EQUIPMENT MAY BE SHOWN AS HALFTONE ON DIMENSION PLANS FOR CLARITY.

FLOOR PLAN REFERENCED NOTES:

1. GLASS GUARDRAIL SYSTEM. REFER TO DETAIL FOR MORE INFORMATION.
2. GYP BD COLUMN ENCLOSURE - PARTITIONS TYPE SXC. TP. REFER TO DIMENSION PLANS FOR OUTSIDE DIMENSIONS.
3. HIGH DENSITY SHELVING SYSTEM. COORDINATE RECESS IN SLAB FOR SUPPORT RAILS. REFER TO STRUCTURAL DRAWINGS.
4. SLIDING GLASS BARN DOOR SYSTEM - REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
5. FOOD SERVICE EQUIPMENT. REFER TO FOOD SERVICE DRAWINGS.
6. ALL WALLS THIS ROOM ARE FACED WITH PLYWOOD. REFER TO TECHNOLOGY DWGS FOR MORE INFORMATION.
7. RECESSED GUN CABINET
8. VENDING MACHINES, N.I.C.
9. PLASTIC LAMINATE, 3-HIGH LOCKERS
10. FLAT PANEL MONITOR - O.F.C.I. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS. IF WALL IS NOT ELEVATED, CENTER MONITOR ON WALL AND MOUNT AT 5'-0" AFF.
11. RECESSED CABINET UNIT HEATER. REFER TO MECHANICAL DRAWINGS.
12. PROVIDE BLOCKING IN WALL FOR OWNER FURNISHED, OWNER INSTALLED EVAC CHAIR. COORDINATE EXTENTS AND LOCATION WITH ARCHITECT.
13. LEVEL 5 DRYWALL FINISH THIS WALL.
14. SECURITY GATE TRACK ABOVE.
15. FIRE ALARM ANNUNCIATOR PANEL.
16. CODE BLUE STATION - SEE TECHNOLOGY DWGS.
17. FIN TUBE RADIATOR BELOW. REFER TO MECHANICAL DRAWINGS.
18. WALL MOUNTED ADA DOOR OPERATOR PUSH PAD.
19. RECESSED FIRE EXTINGUISHER CABINET.
20. WALL MOUNTED, 24" X 72" MIRROR - T.A.S.A. REFER TO TOILET ACCESSORY SCHEDULE ON A8.01.
21. PLASTIC LAMINATE, 2-HIGH LOCKERS
22. PROVIDE IN WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT.
23. WALL MOUNTED LAPTOP CABINET - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
24. WALL MOUNTED GAS SHUT OFF BUTTON - REFER TO MECHANICAL DWGS.
25. NOT USED.
26. CHAIN LINK FENCE CAGE - EXTEND FENCING 10' OF A.F.F.
27. 18" AFF IN WALL BLOCKING AND HANDOFF RING.
28. THIS WALL AND DOOR ARE PROVIDED AT BASE BID ONLY. REMOVED AT ALT. BID #1. SEE SHEET A1.03.
29. PLATED STEEL COLUMN. SEE STRUCTURAL.
30. COORDINATE LOCATION OF WALL RECESS WITH CEILING TERMINATION - REFER TO RCP.
31. METAL 2-HIGH LOCKERS
32. JOINTS IN STONE SILL ALIGN WITH MULLIONS. REFER TO WALL SECTION FOR MORE INFORMATION.
33. LINE OF SOFFIT BELOW. REFER TO RCP FOR MORE INFORMATION.
34. ALIGN FACE OF COLUMN ENCLOSURE WITH WINDOW JAMB.
35. TRANSFORMER, GENERATOR, AND REMOTE REFRIGERATION RACK. REFER TO ELECTRICAL, FOOD SERVICE AND MECHANICAL DRAWINGS.

KEY PLAN:



SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

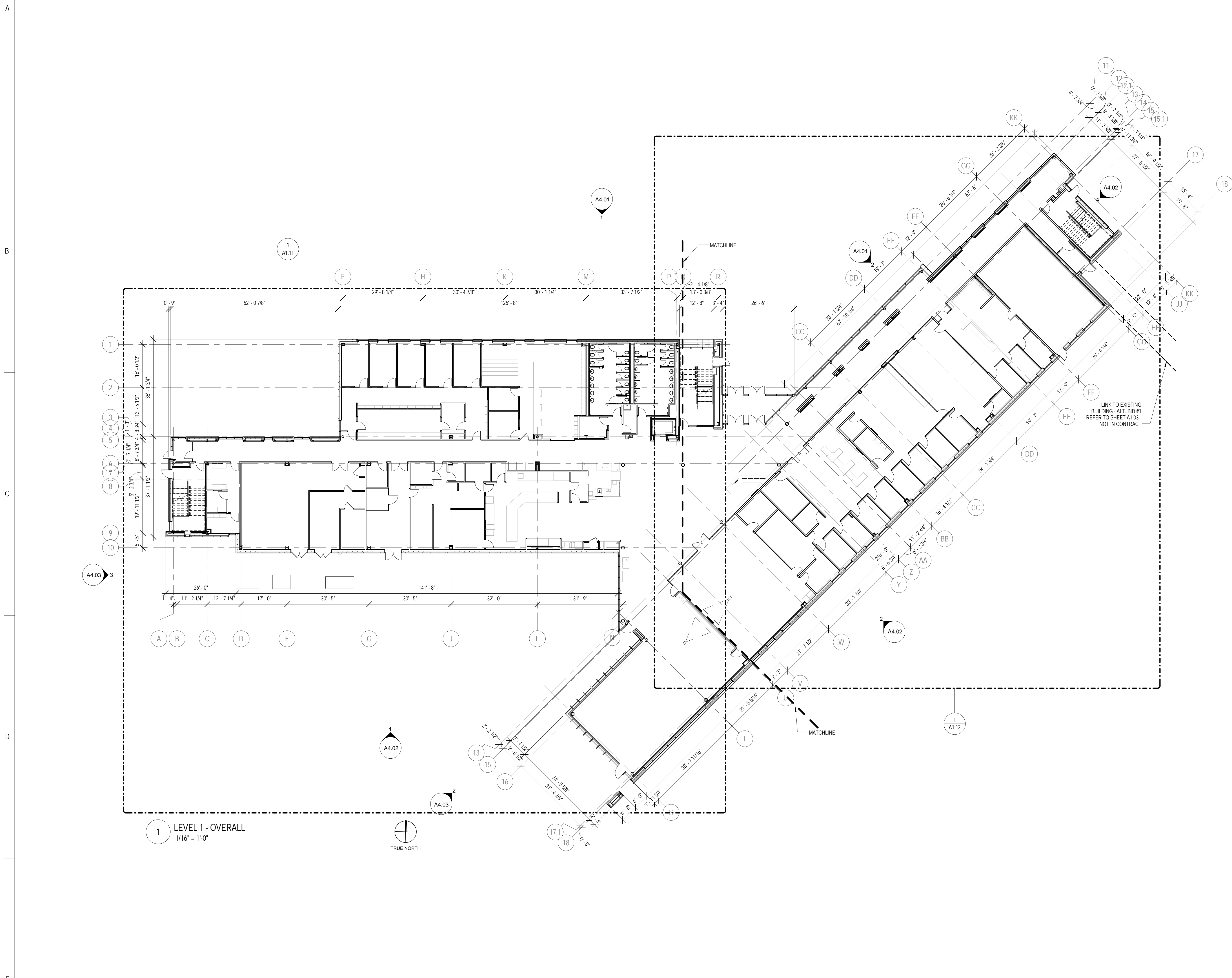
SHEET TITLE:

OVERALL PLAN - LEVEL 1

SHEET NUMBER:

A1.01

9/18/2015 9:28:11 AM



1 LEVEL 1 - OVERALL
 1/16" = 1'-0"
 TRUE NORTH



ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

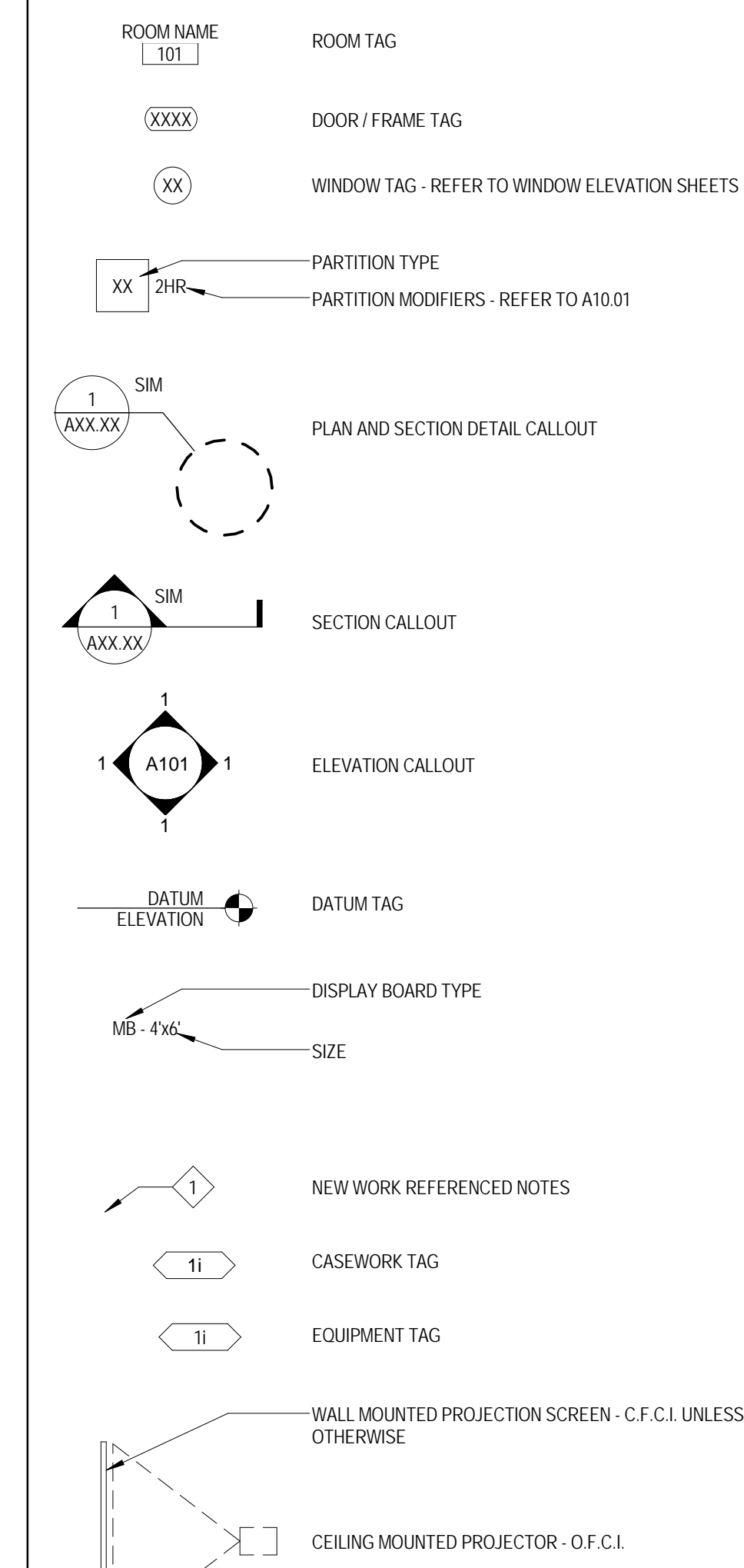
FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

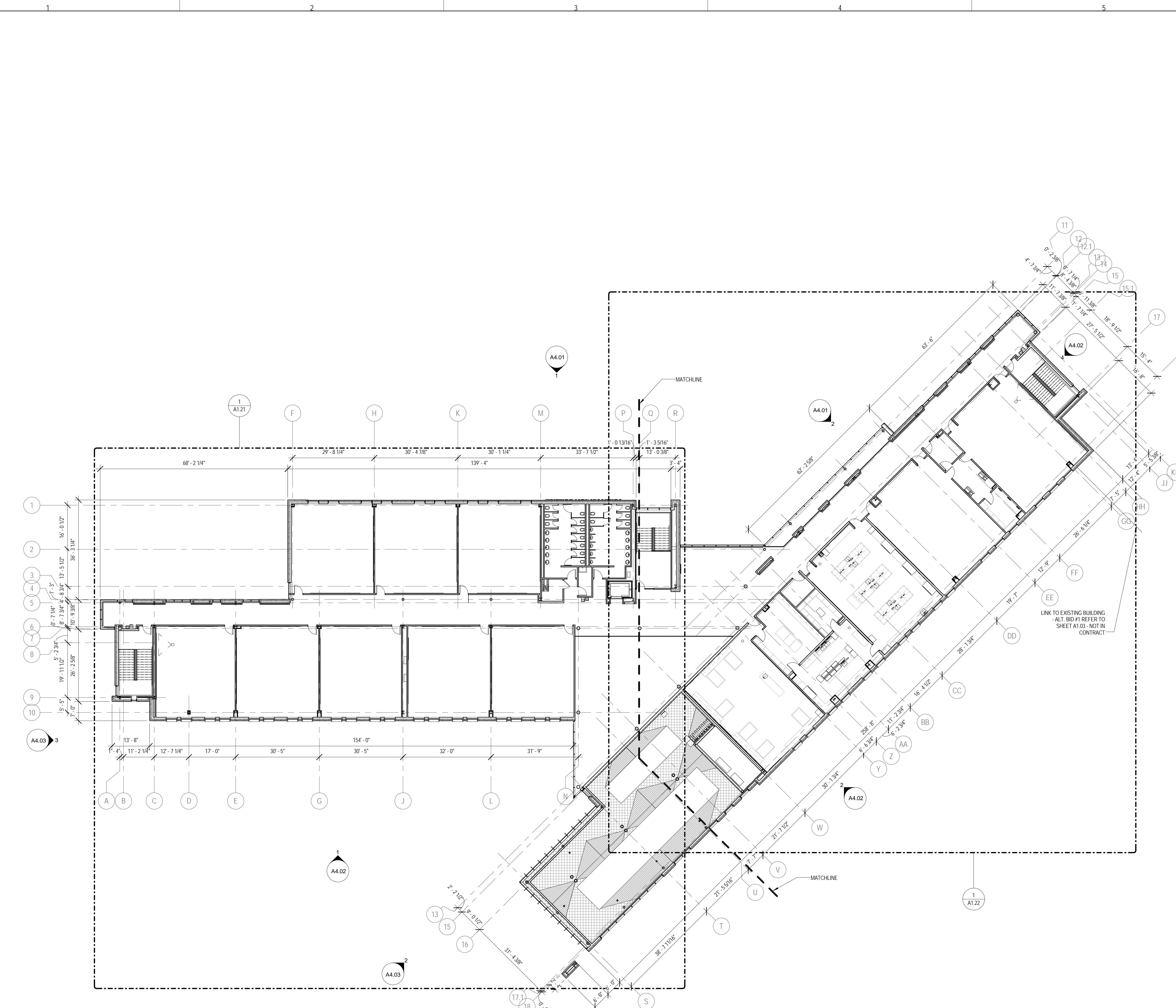


FLOOR PLAN GENERAL NOTES:

1. FINISH FLOOR ELEVATION OF 0'-0" - 671.8" USGS
2. ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
3. REFER TO CODE PLANS ON SHEET A0.10 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
4. DO NOT SCALE DRAWINGS.
5. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
6. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
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9. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
10. REFER TO A10.01 FOR PARTITION SCHEDULE. ALL INTERIOR PARTITIONS SHALL BE TYPE STA UNLESS NOTED OTHERWISE. ALL GYP-BD COLUMN ENCLOSURES SHALL BE TYPE SDC UNLESS NOTED OTHERWISE.
11. REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.
12. PROVIDE IN-WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT NOTED THROUGHOUT DRAWINGS.
13. CASEWORK AND EQUIPMENT MAY BE SHOWN AS HALFTONE ON DIMENSION PLANS FOR CLARITY.

FLOOR PLAN REFERENCED NOTES:

1. GLASS GUARDRAIL SYSTEM - REFER TO DETAIL FOR MORE INFORMATION.
2. GYP-BD COLUMN ENCLOSURE - PARTITIONS TYPE SDC TYP. REFER TO DIMENSION PLANS FOR OUTSIDE DIMENSIONS.
3. HIGH DENSITY SHELVING SYSTEM - COORDINATE RECESS IN SLAB FOR SUPPORT RAILS. REFER TO STRUCTURAL DRAWINGS.
4. SLIDING GLASS BARRI DOOR SYSTEM - REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
5. FOOD SERVICE EQUIPMENT - REFER TO FOOD SERVICE DRAWINGS.
6. ALL WALLS THIS ROOM ARE FACED WITH PLYWOOD. REFER TO TECHNOLOGY DWGS FOR MORE INFORMATION.
7. RECESSED GUN CABINET
8. VENDING MACHINES, N.I.C.
9. PLASTIC LAMINATE, 3-HIGH LOCKERS
10. FLAT PANEL MONITOR - O.F.C.I. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS. IF WALL IS NOT ELEVATED, CENTER MONITOR ON WALL AND MOUNT 5'-0" A.F.F.
11. RECESSED CABINET UNIT HEATER - REFER TO MECHANICAL DRAWINGS.
12. PROVIDE BLOCKING IN WALL FOR OWNER FURNISHED, OWNER INSTALLED EVAC CHAIR. COORDINATE EXTENTS AND LOCATION WITH ARCHITECT.
13. LEVEL 5 DRYWALL FINISH THIS WALL.
14. SECURITY GATE TRACK ABOVE
15. FIRE ALARM ANNUNCIATOR PANEL
16. CODE BLUE STATION - SEE TECHNOLOGY DWGS
17. FIN TUBE RADIATOR BELOW. REFER TO MECHANICAL DRAWINGS.
18. WALL MOUNTED ADA DOOR OPERATOR PUSH PAD
19. RECESSED FIRE EXTINGUISHER CABINET
20. WALL MOUNTED 24" X 72" MIRROR - TA SA. REFER TO TOILET ACCESSORY SCHEDULE ON A0.01.
21. PLASTIC LAMINATE, 2-HIGH LOCKERS
22. PROVIDE IN-WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT
23. WALL MOUNTED LAPTOP CABINET - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION
24. WALL MOUNTED GAS SHUT OFF BUTTON - REFER TO MECHANICAL DWGS
25. NOT USED
26. CHAIN LINK FENCE CAGE - EXTEND FENCING 10'-0" A.F.F.
27. 18" AFF IN WALL BLOCKING AND HANDCUFF RING
28. THIS WALL AND DOOR ARE PROVIDED AT BASE BID ONLY. REMOVED AT ALT. BID #1. SEE SHEET A1.03
29. PLATED STEEL COLUMN - SEE STRUCTURAL
30. COORDINATE LOCATION OF WALL RECESS WITH CEILING TERMINATION - REFER TO RCP INFORMATION
31. METAL, 2-HIGH LOCKERS
32. JOINTS IN STONE SILL ALIGN WITH MULLIONS. REFER TO WALL SECTION FOR MORE INFORMATION
33. LINE OF SOFFIT BELOW. REFER TO RCP FOR MORE INFORMATION.
34. ALIGN FACE OF COLUMN ENCLOSURE WITH WINDOW JAMB
35. TRANSFORMER, GENERATOR, AND REMOTE REFRIGERATION RACK. REFER TO ELECTRICAL, FOOD SERVICE AND MECHANICAL DRAWINGS.



1 LEVEL 2 - OVERALL
 1/16" = 1'-0"
 TRUE NORTH

KEY PLAN:

SHEET STATUS: 9/18/2015
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
OVERALL PLAN - LEVEL 2

SHEET NUMBER:
A1.02



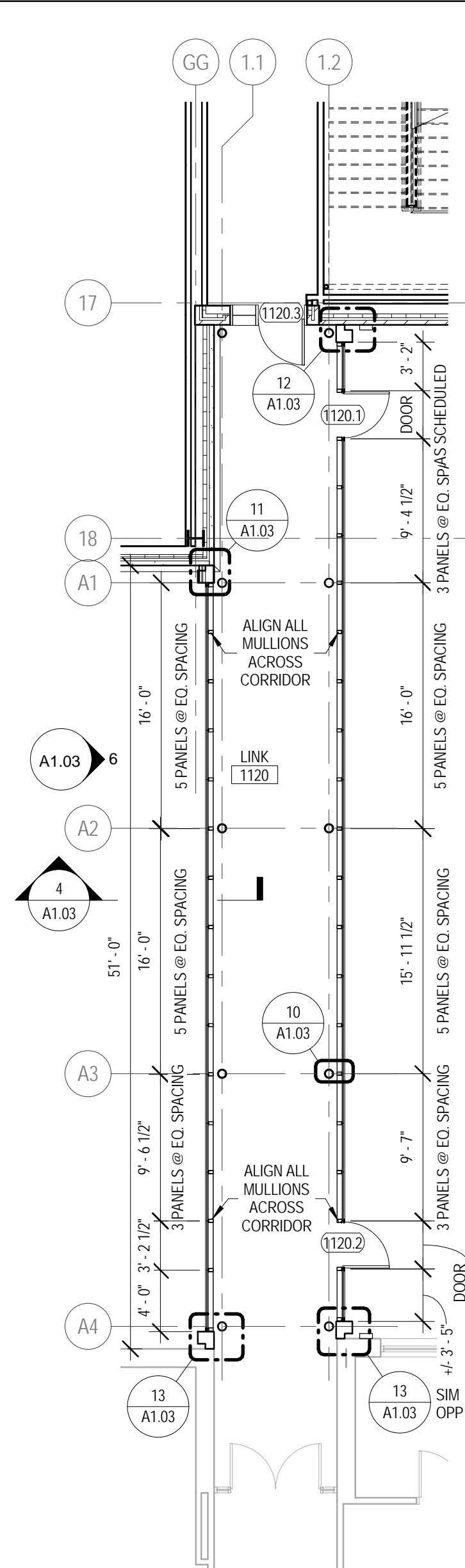
ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/PF ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

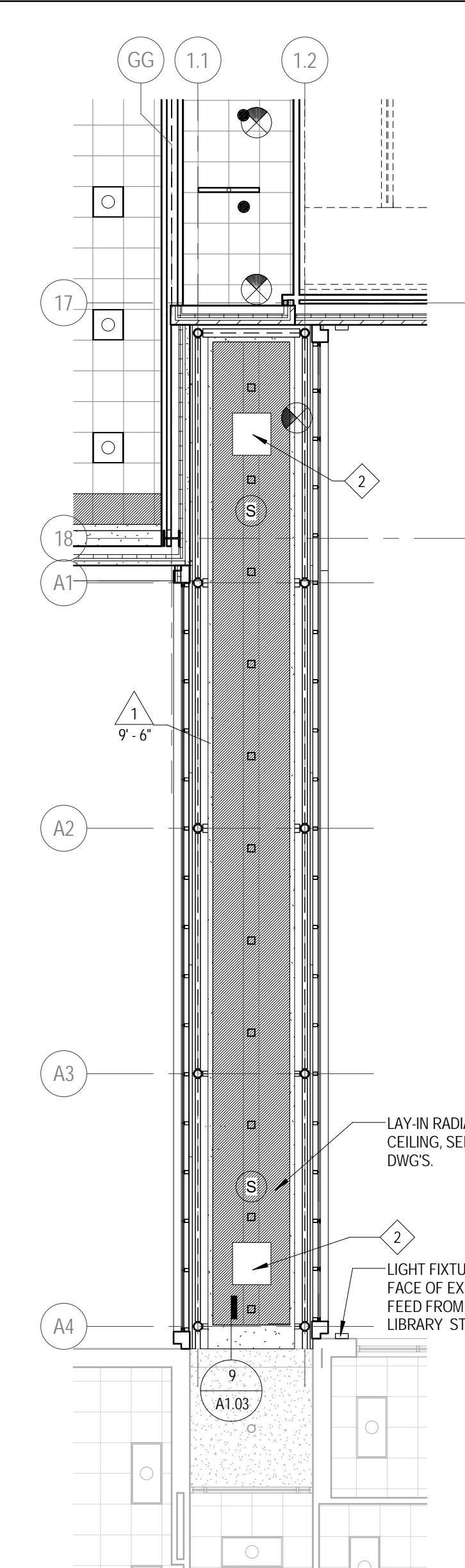
FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

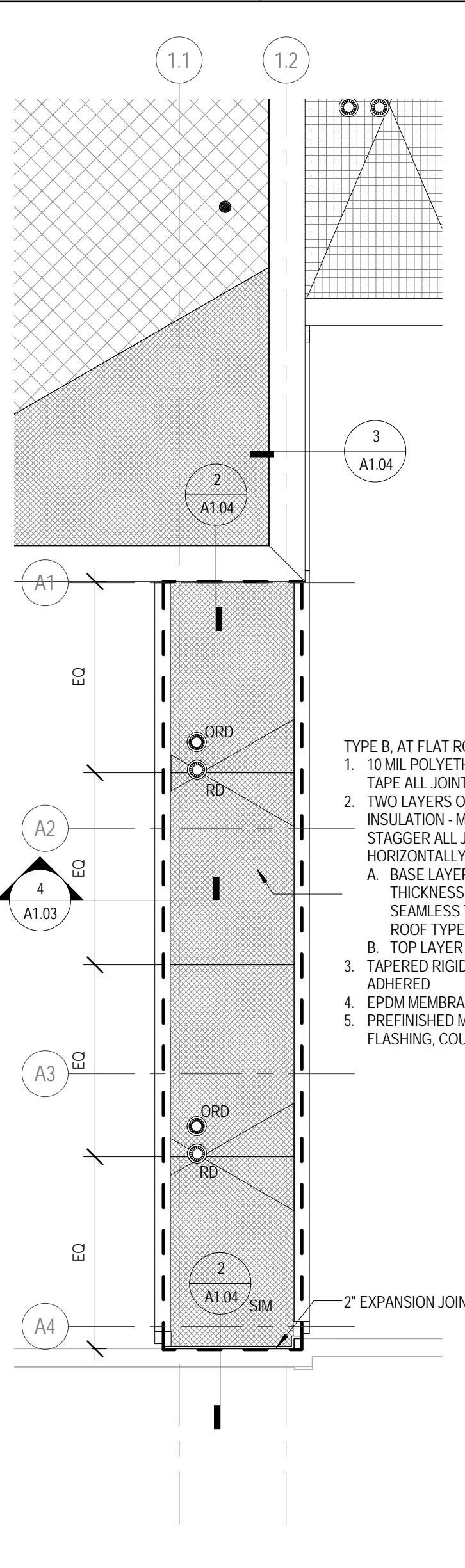
JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005



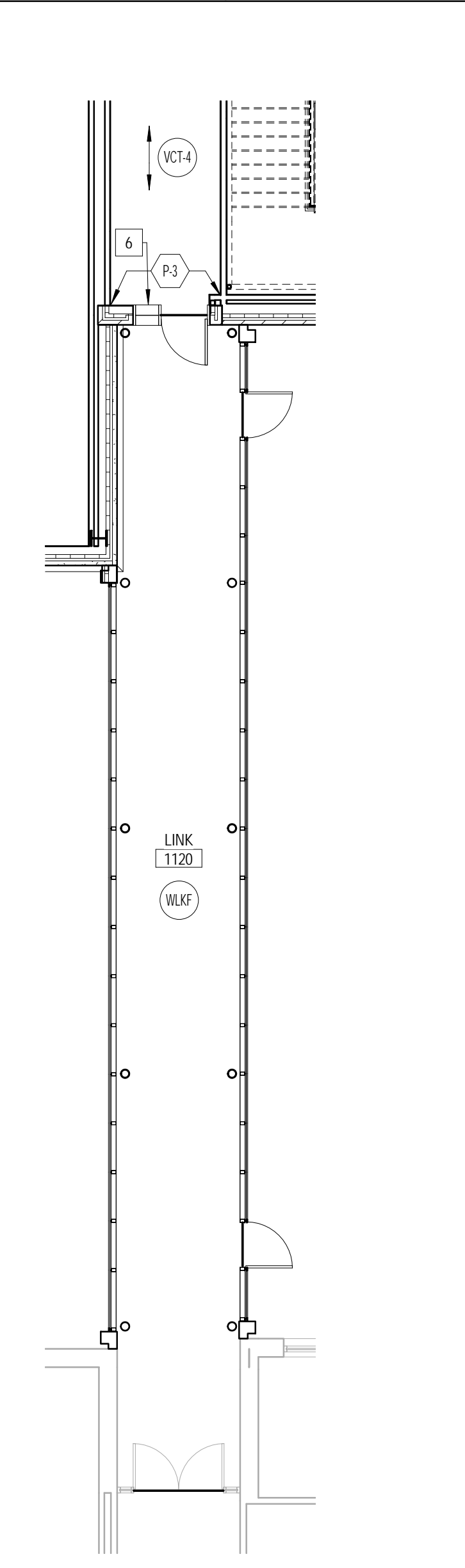
1 ALT. BID 1 - LEVEL 1 PLAN
 1/8" = 1'-0"



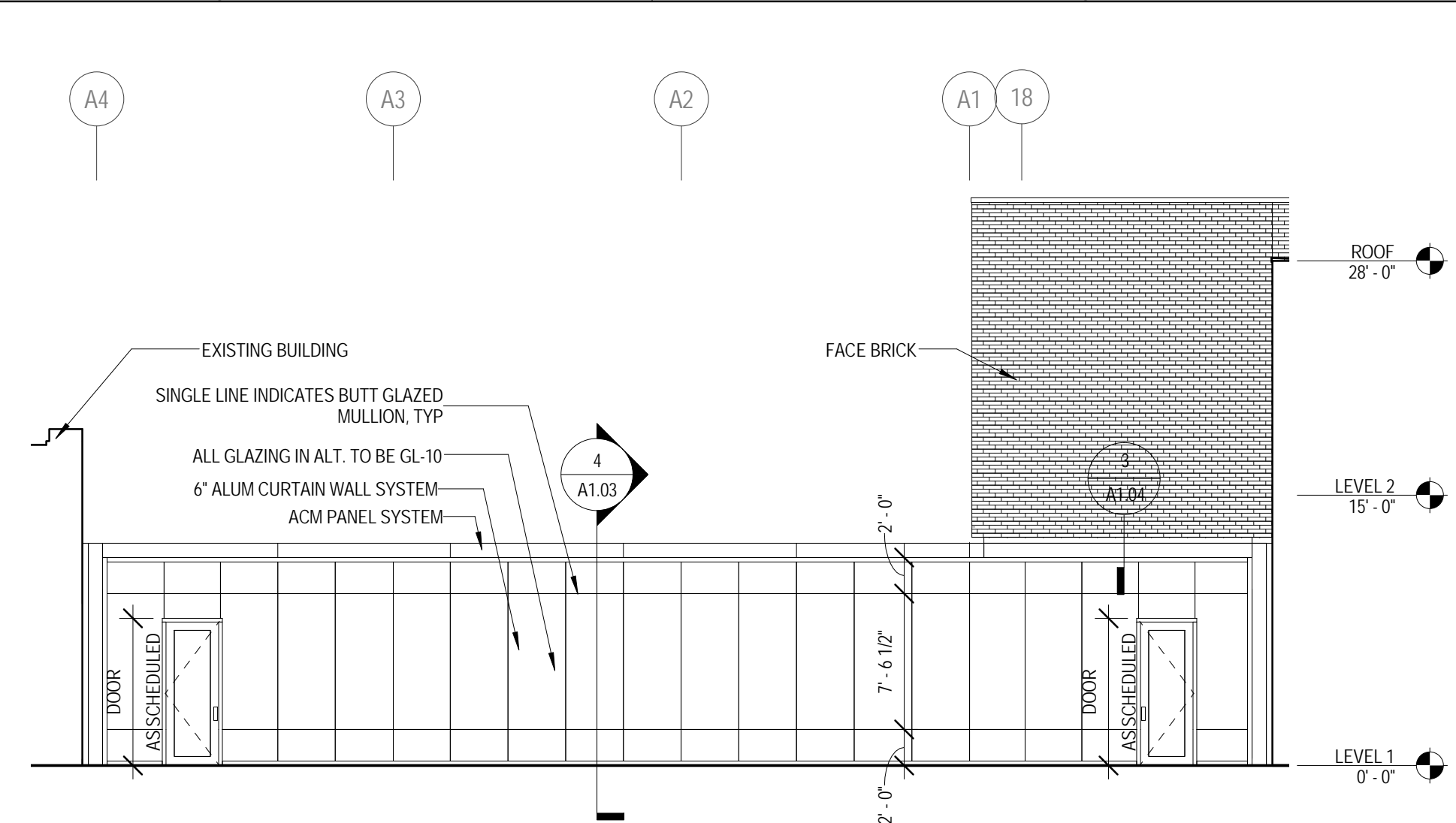
2 ATL BID 1 - LEVEL 1 RCP
 1/8" = 1'-0"



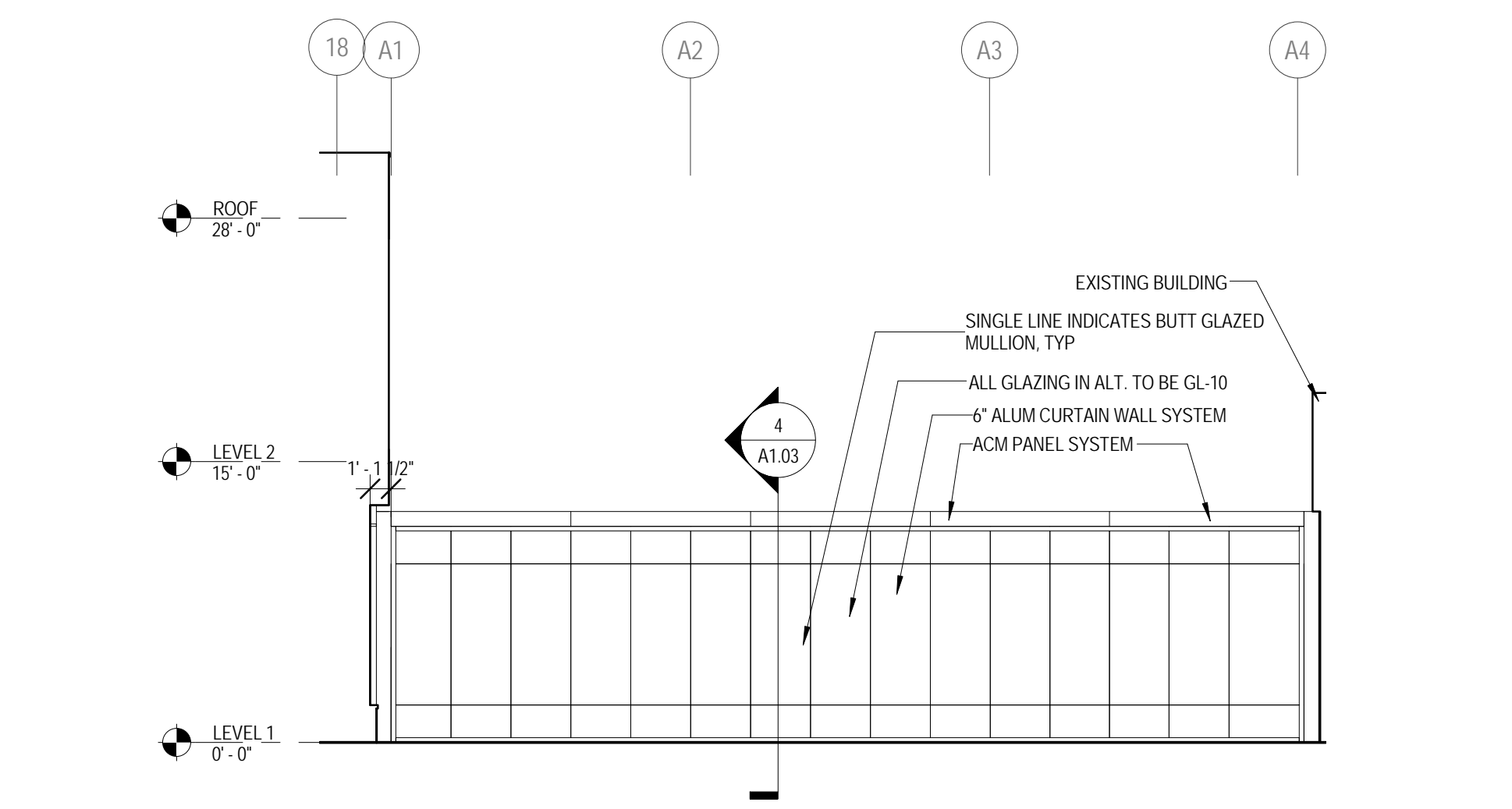
3 ALT. BID 1 - ROOF PLAN
 1/8" = 1'-0"



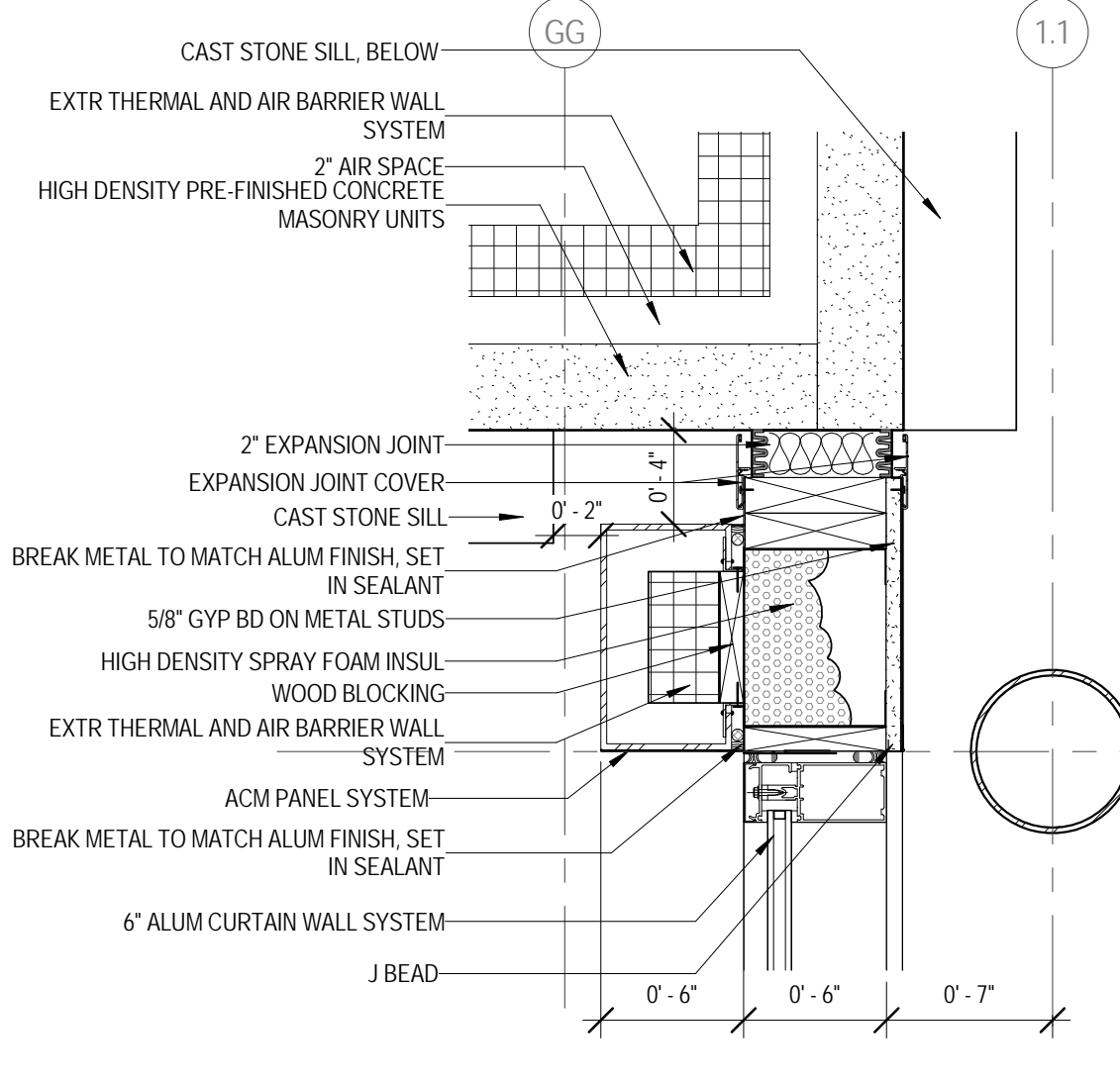
4 ALT. BID 1 - LEVEL 1 FINISH PLAN
 1/8" = 1'-0"



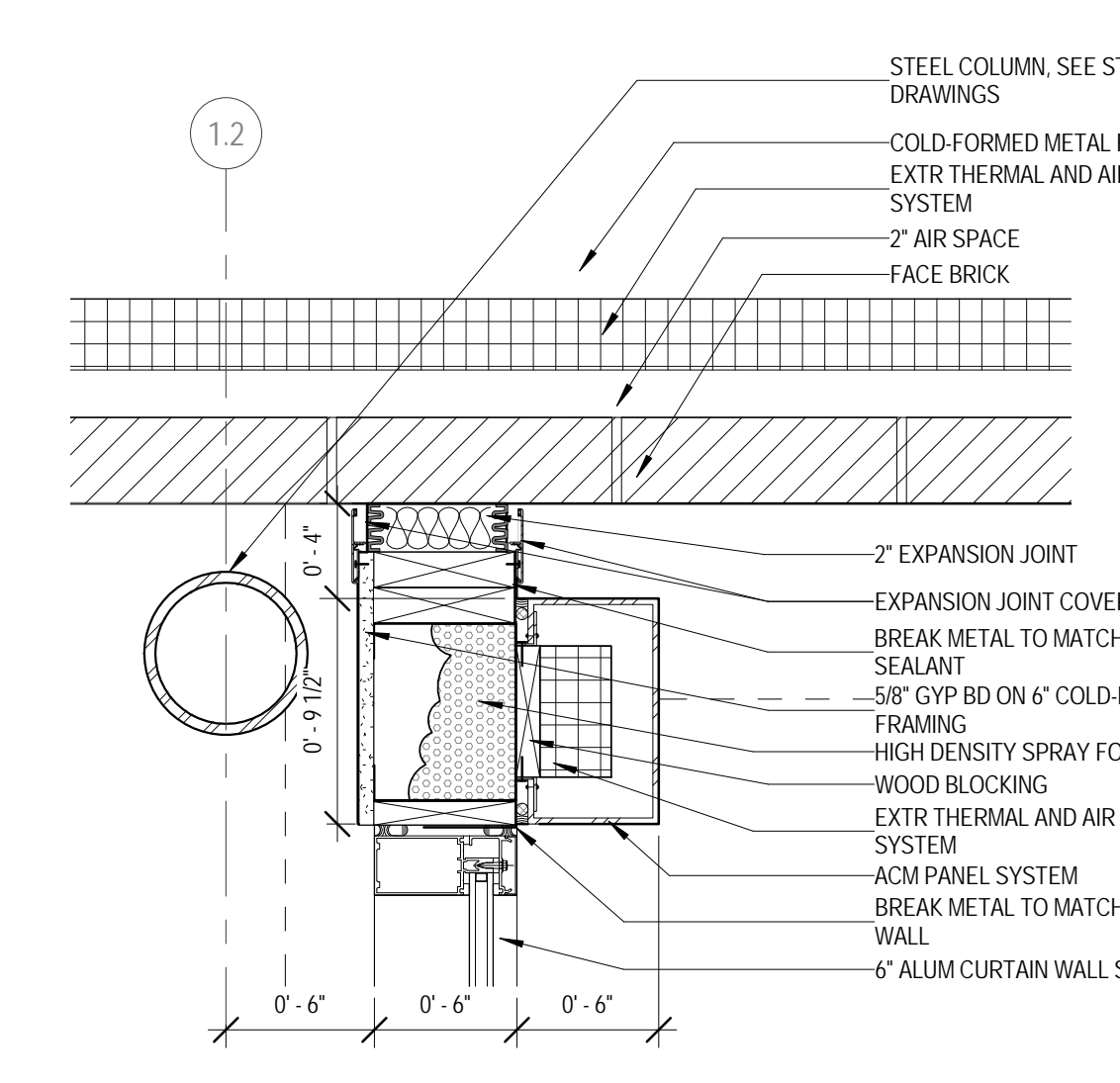
5 ALT. BID 1 - NORTH EAST ELEVATION
 1/8" = 1'-0"



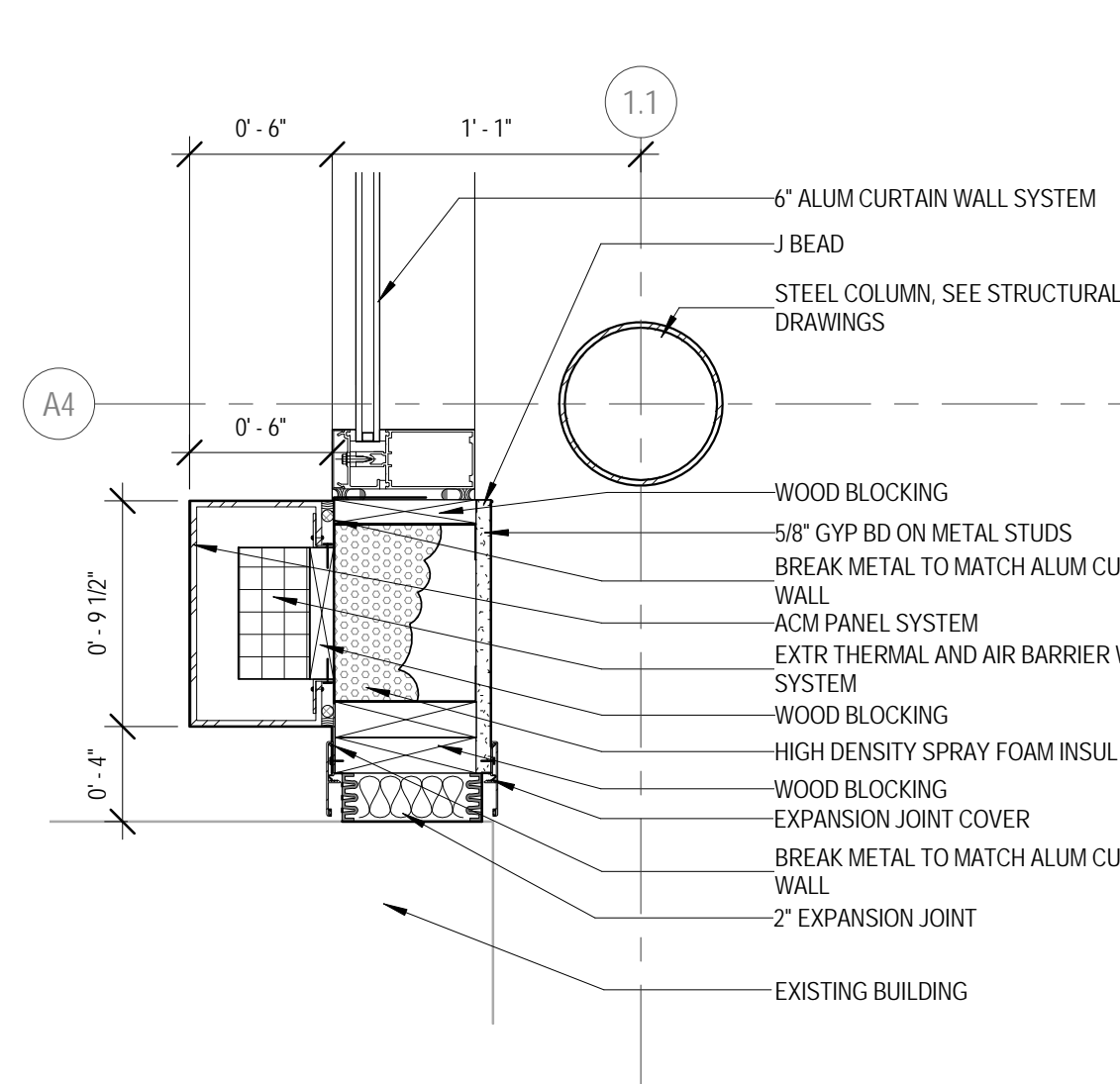
6 ALT. BID 1 - SOUTH WEST ELEVATION
 1/8" = 1'-0"



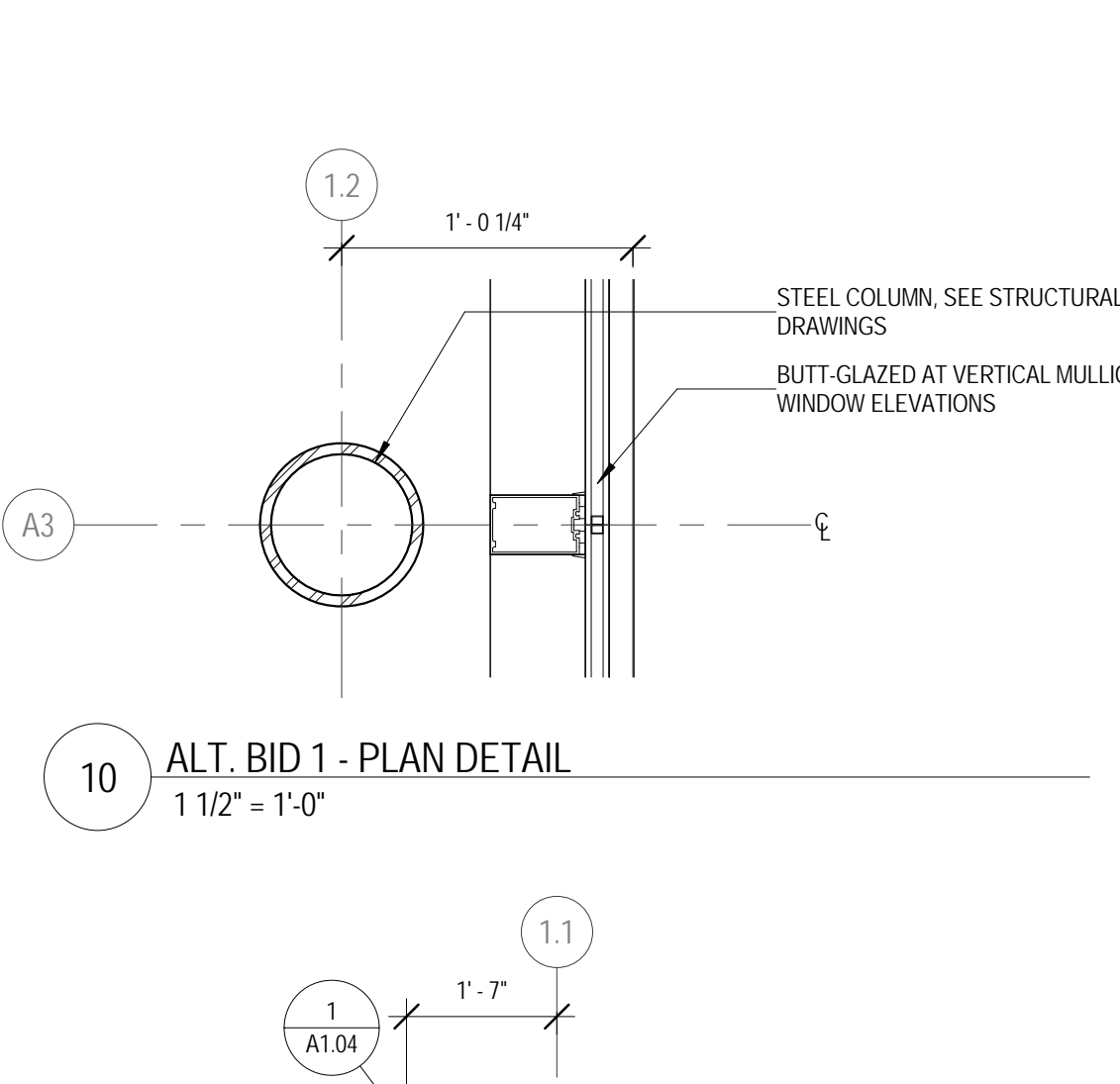
7 ALT. BID 1 - PLAN DETAIL
 1 1/2" = 1'-0"



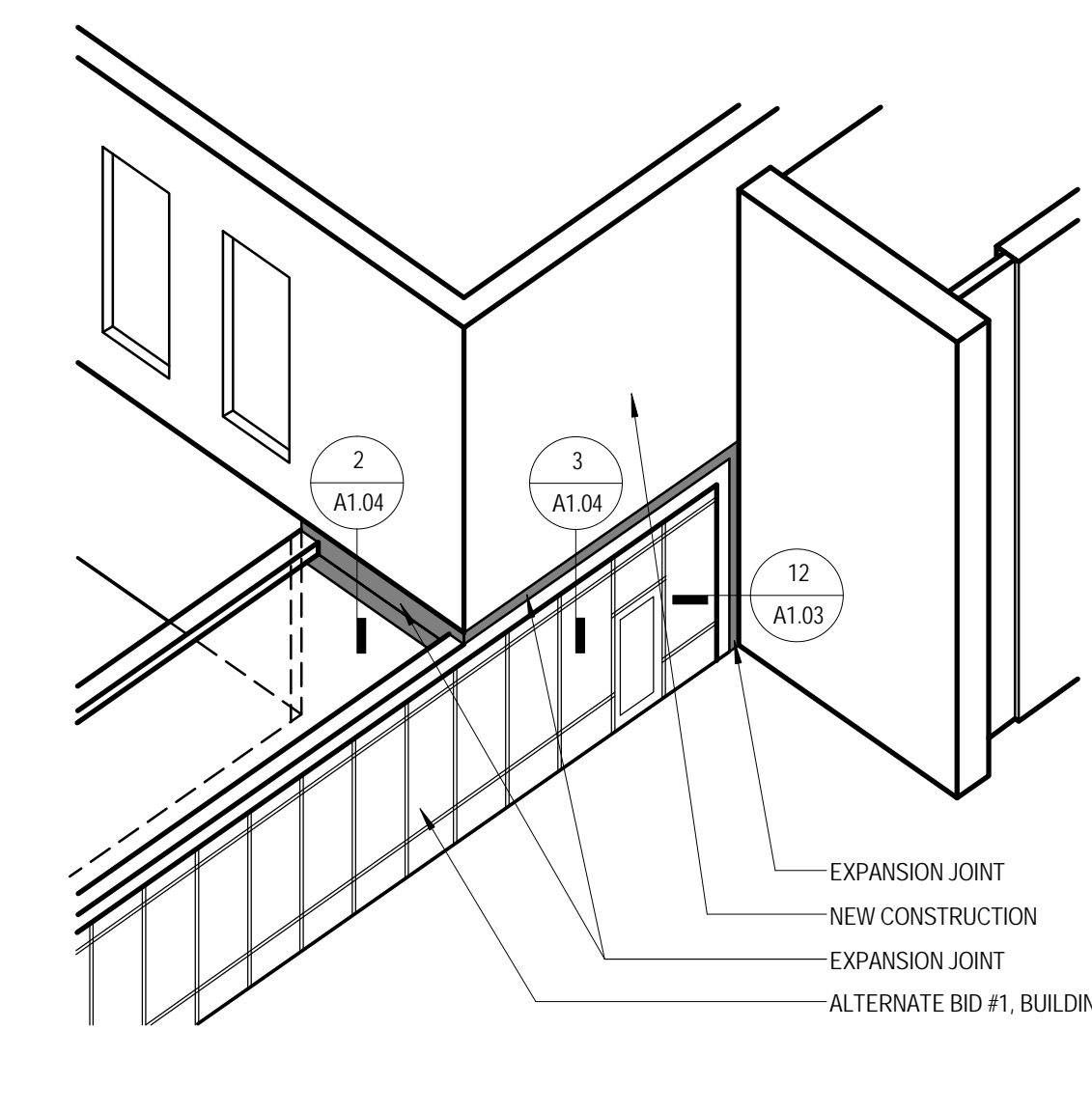
8 ALT. BID 1 - PLAN DETAIL
 1 1/2" = 1'-0"



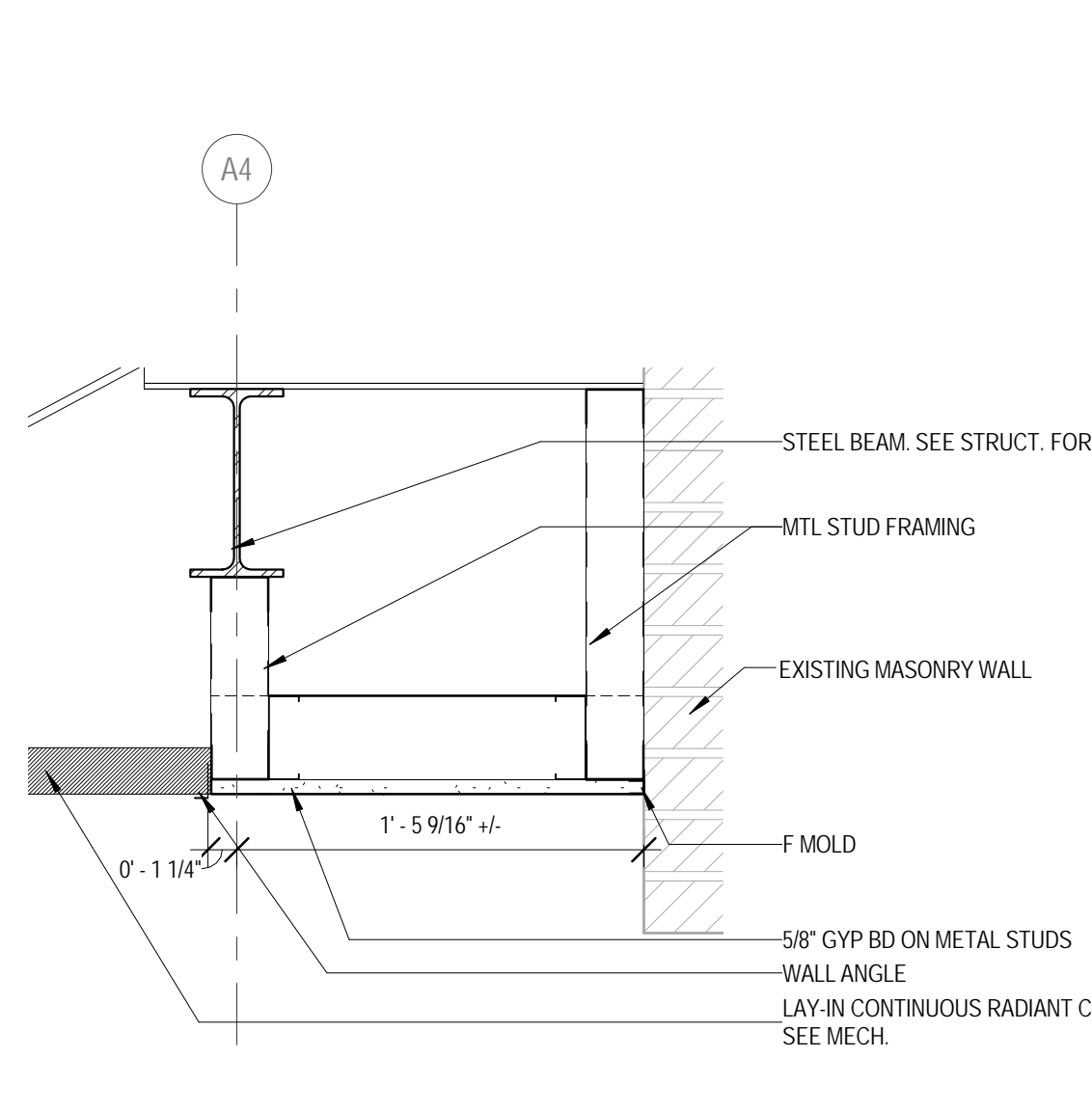
9 ALT. BID 1 - PLAN DETAIL
 1 1/2" = 1'-0"



10 ALT. BID 1 - PLAN DETAIL
 1 1/2" = 1'-0"



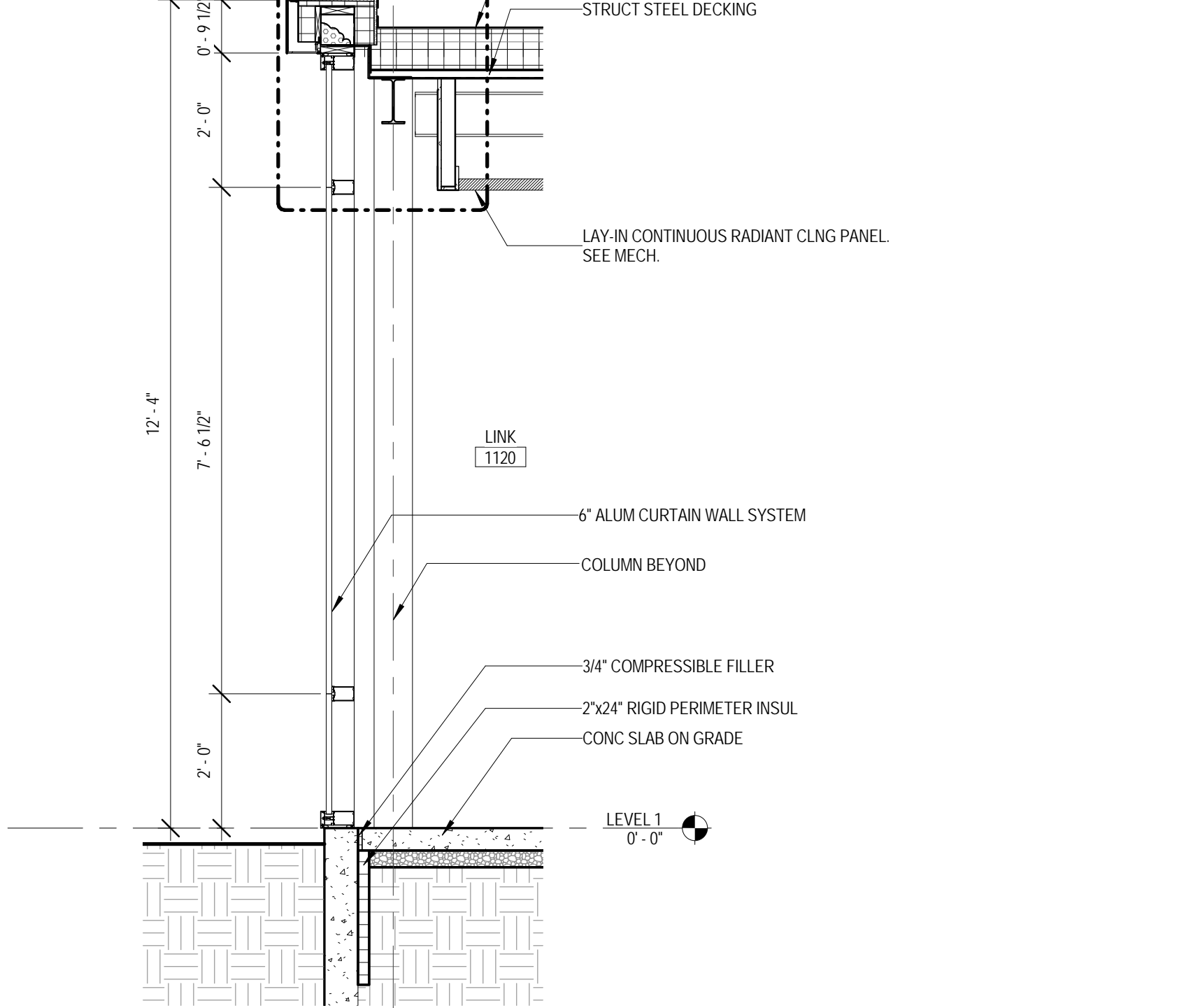
11 ALT. BID 1 - AXONOMETRIC
 1/4" = 1'-0"



12 CEILING DETAIL - LINK
 1 1/2" = 1'-0"



13 ALT. BID 1 - WALL SECTION
 1/2" = 1'-0"



14 ALT. BID 1 - WALL SECTION
 1/2" = 1'-0"

ALTERNATE BID #1 IS NOT IN CONTRACT

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:
1		

SHEET TITLE:
ALTERNATE BID #1 - PLANS, RCP, AND DETAILS - NOT IN CONTRACT

SHEET NUMBER:

A1.03

9/18/2015 9:28:33 AM



ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:
1		

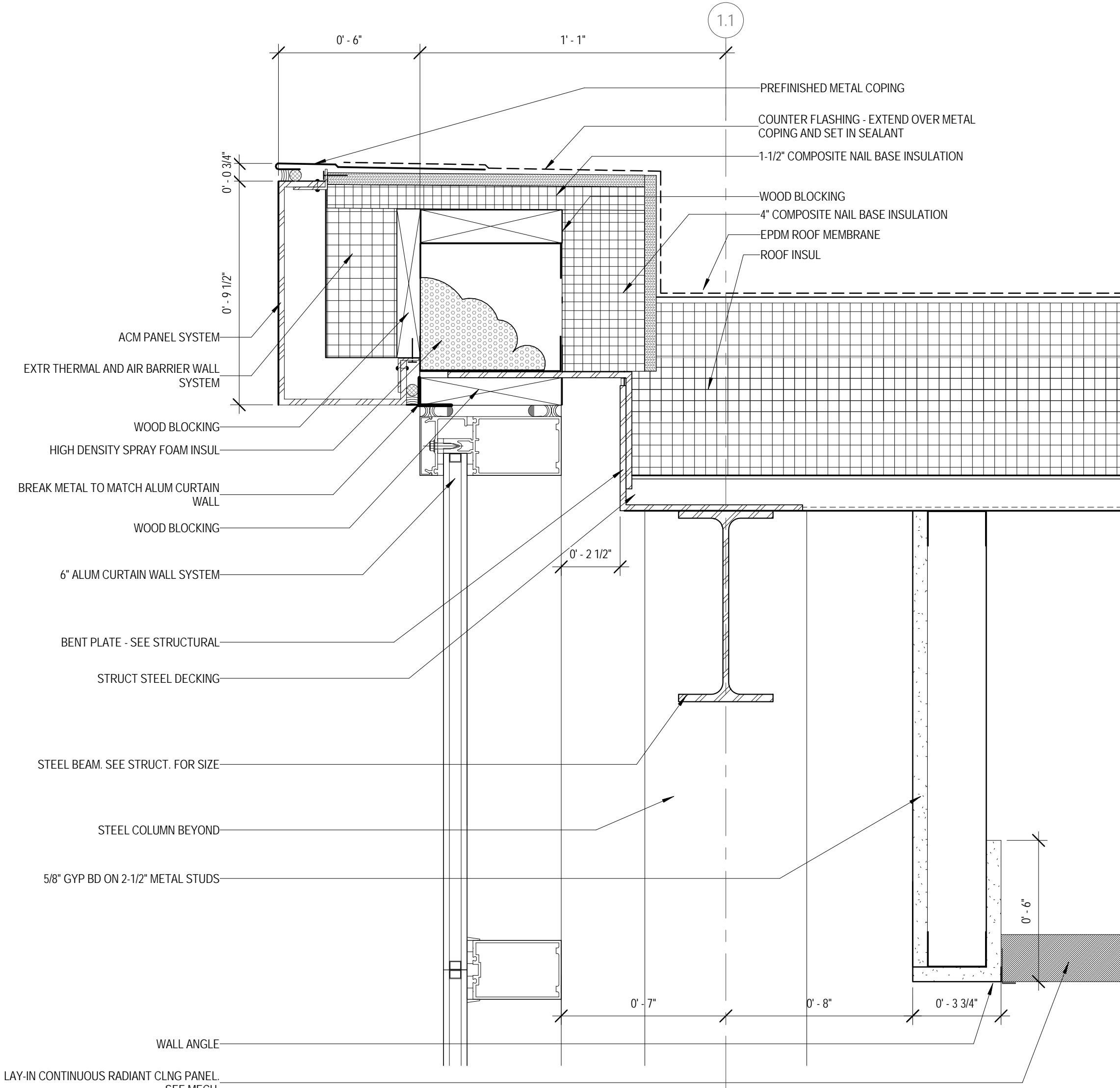
SHEET TITLE:

**ALTERNATE BID #1 -
 DETAILS - NOT IN
 CONTRACT**

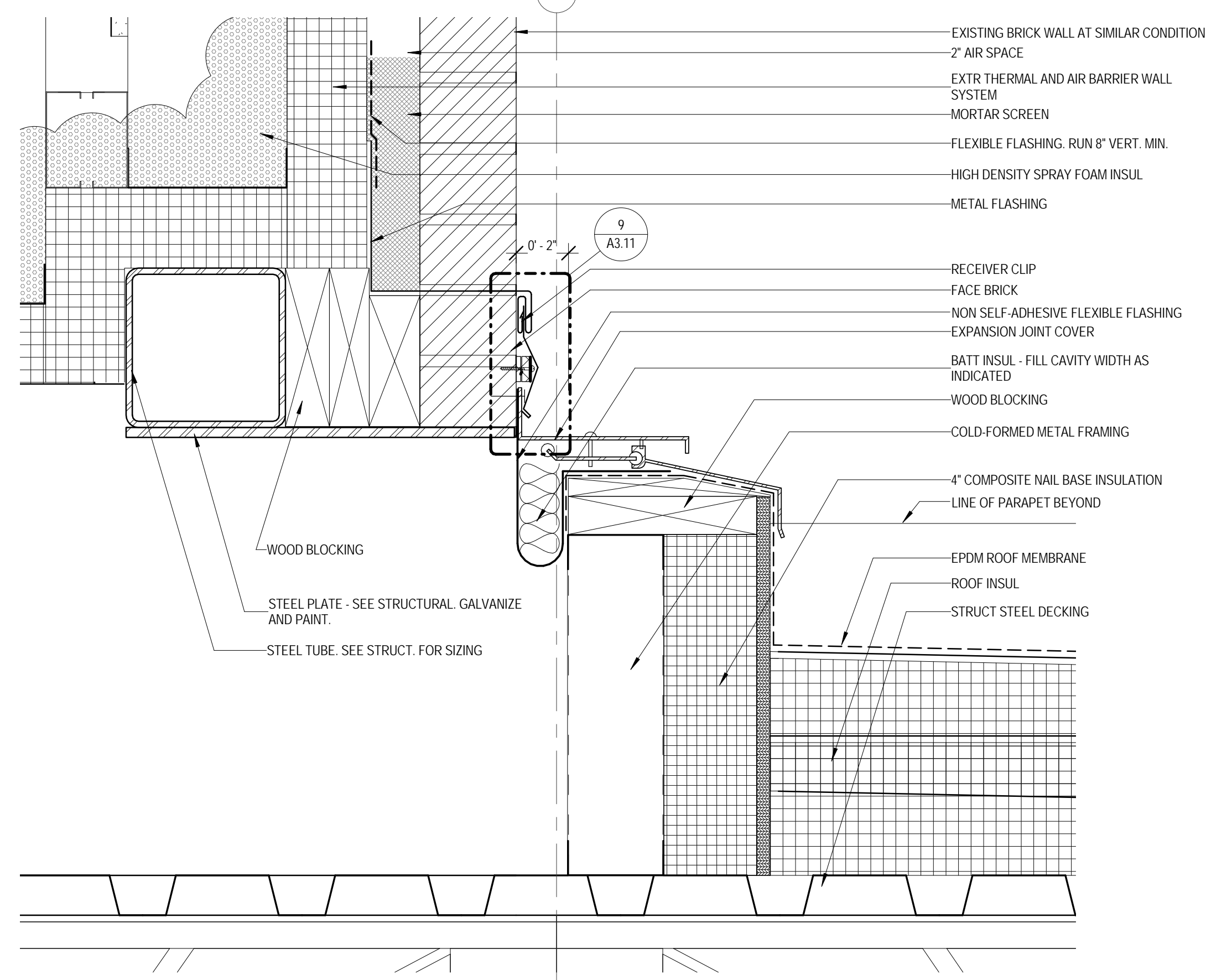
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A1.04

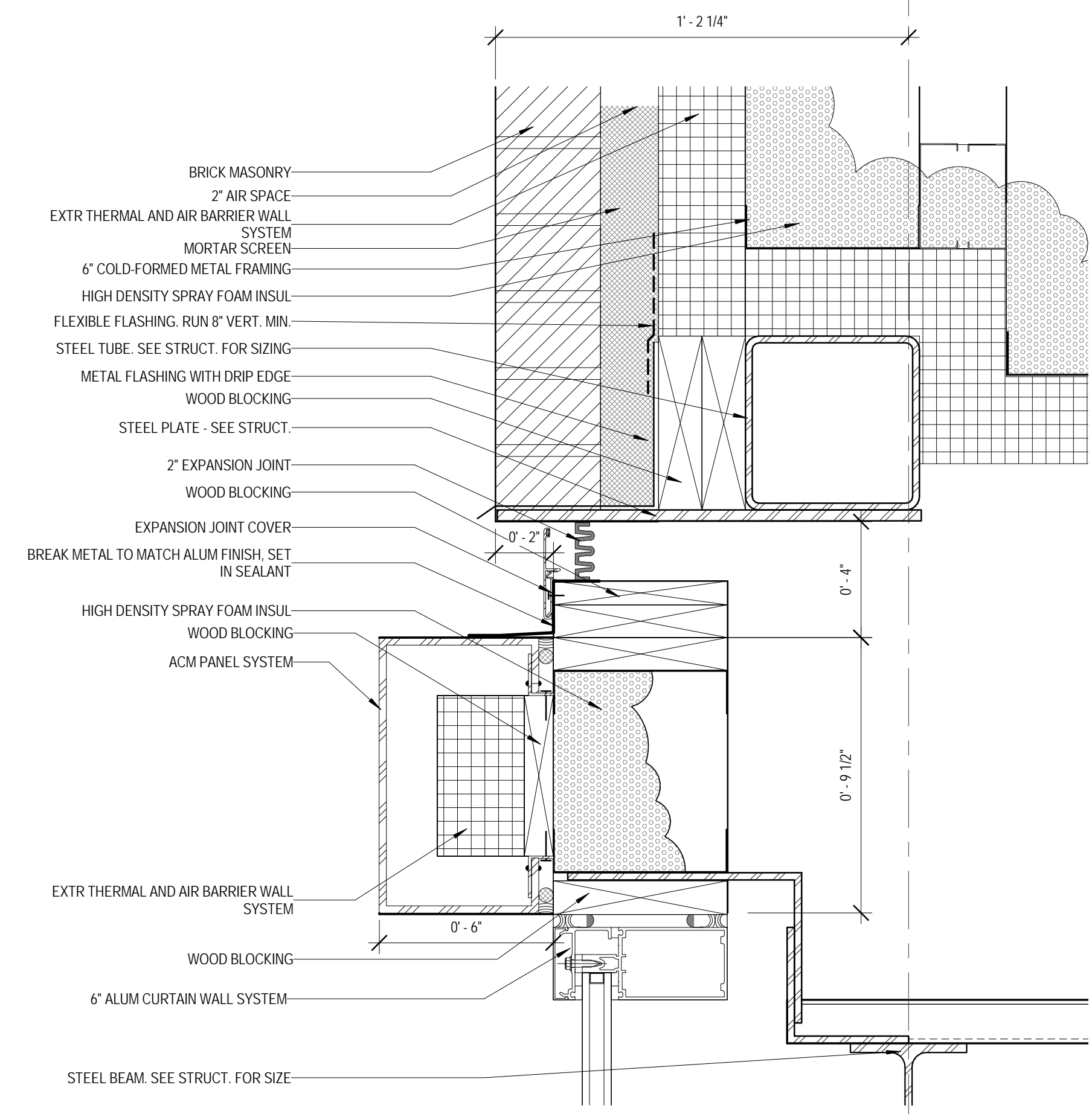
9/18/2015 9:28:37 AM



1 ALT BID 1 - ROOF DETAIL
 3" = 1'-0"



2 ALT. BID 1 - SECTION DETAIL
 3" = 1'-0"



3 ALT. BID 1 - SECTION DETAIL
 3" = 1'-0"

**ALTERNATE BID #1 IS NOT
 IN CONTRACT**



ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

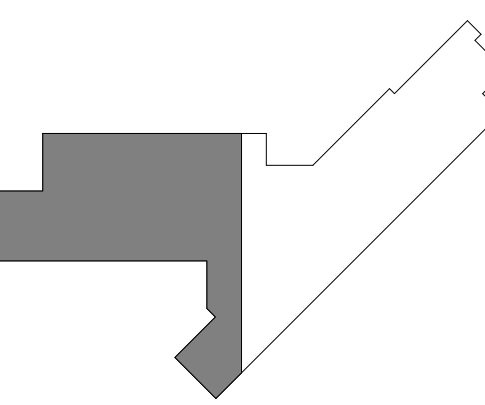
STRUCTURAL AND MEP/PF ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:
1		

SHEET TITLE:

LEVEL 1 PLAN - WEST

SHEET NUMBER:

A1.11

9/18/2015 9:28:45 AM

FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

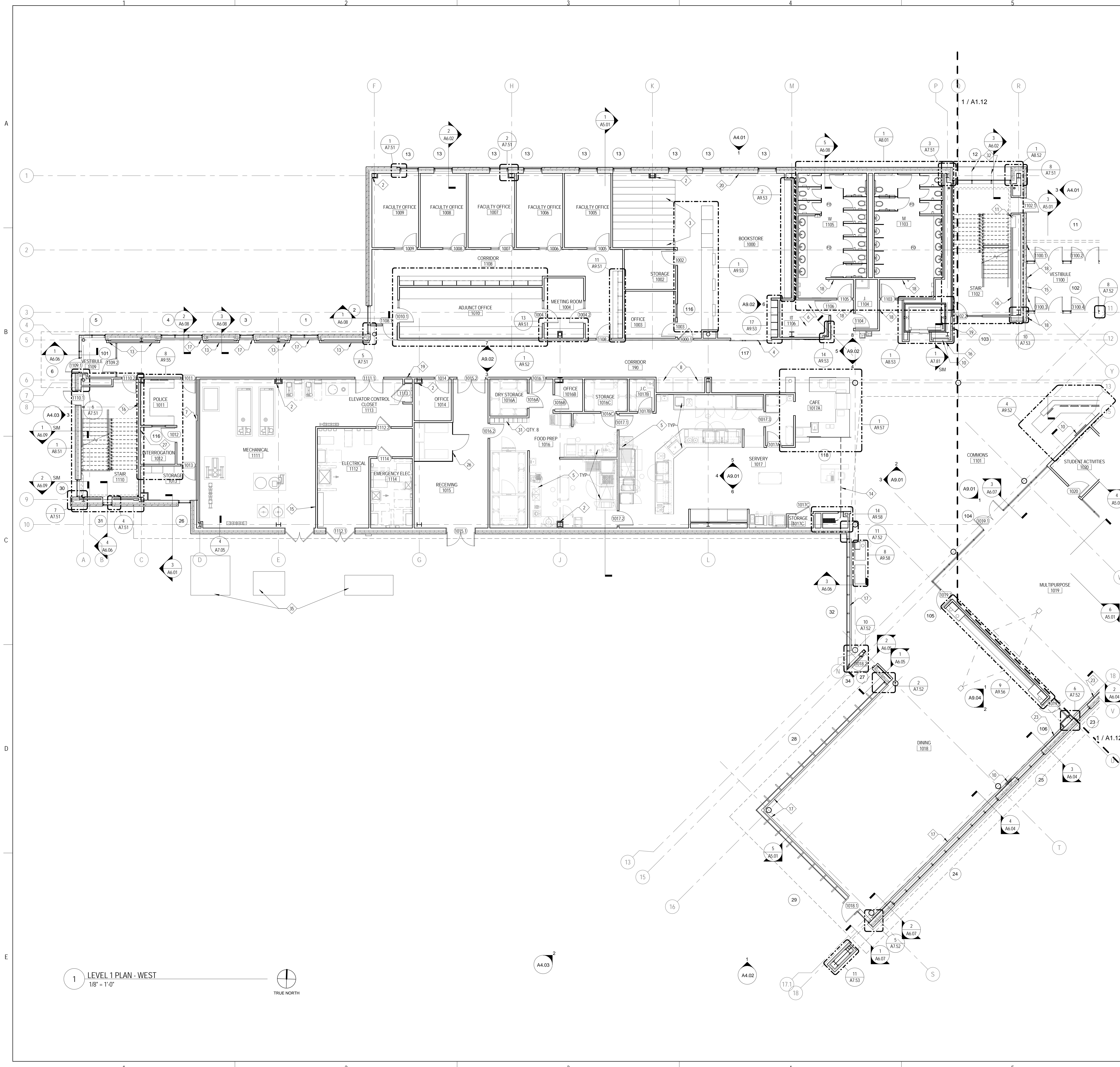
	ROOM NAME
	DOOR / FRAME TAG
	WINDOW TAG - REFER TO WINDOW ELEVATION SHEETS
	PARTITION TYPE
	PARTITION MODIFIERS - REFER TO A10.01
	PLAN AND SECTION DETAIL CALLOUT
	SECTION CALLOUT
	ELEVATION CALLOUT
	DATUM ELEVATION
	DISPLAY BOARD TYPE
	SIZE
	NEW WORK REFERENCED NOTES
	CASEWORK TAG
	EQUIPMENT TAG
	WALL MOUNTED PROJECTION SCREEN - C.F.C.I. UNLESS NOTED OTHERWISE
	CEILING MOUNTED PROJECTOR - O.F.C.I.

FLOOR PLAN GENERAL NOTES:

- FINISH FLOOR ELEVATION OF 0'-0" - 6"18" USGS
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEET A0.10 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS
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- PROVIDE IN-WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT NOTED THROUGHOUT DRAWINGS
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FLOOR PLAN REFERENCED NOTES:

- GLASS GUARDRAIL SYSTEM REFER TO DETAIL FOR MORE INFORMATION
- GYP BD COLUMN ENCLOSURE - PARTITIONS TYPE S2C TYP. REFER TO DIMENSION PLANS FOR OUTSIDE DIMENSIONS
- HIGH DENSITY SHELVING SYSTEM. COORDINATE RECESS IN SLAB FOR SUPPORT RAILS. REFER TO STRUCTURAL DRAWINGS
- SLIDING GLASS BARN DOOR SYSTEM - REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION
- FOOD SERVICE EQUIPMENT REFER TO FOOD SERVICE DRAWINGS
- ALL WALLS THIS ROOM ARE FACED WITH PLYWOOD. REFER TO TECHNOLOGY DWGS FOR MORE INFORMATION
- RECESSED GUN CABINET
- VENDING MACHINES, N.I.C.
- PLASTIC LAMINATE, 3-HIGH LOCKERS
- FLAT PANEL MONITOR - O.F.C.I. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS. IF WALL IS NOT ELEVATED, CENTER MONITOR ON WALL AND MOUNT AT 5'-0" A.F.F.
- RECESSED CABINET UNIT HEATER - REFER TO MECHANICAL DRAWINGS
- PROVIDE BLOCKING IN WALL FOR OWNER FURNISHED, OWNER INSTALLED EVAC CHAIR. COORDINATE EXTENTS AND LOCATION WITH ARCHITECT
- LEVEL 5 DRYWALL FINISH THIS WALL
- SECURITY GATE TRACK ABOVE
- FIRE ALARM ANNUNCIATOR PANEL
- CODE BLUE STATION - SEE TECHNOLOGY DWGS
- FIN TUBE RADIATOR BELOW. REFER TO MECHANICAL DRAWINGS
- WALL MOUNTED ADA DOOR OPERATOR PUSH PAD
- RECESSED FIRE EXTINGUISHER CABINET
- WALL MOUNTED, 24" X 12" MIRROR - TA-SA. REFER TO TOILET ACCESSORY SCHEDULE ON A8.01
- PLASTIC LAMINATE, 2-HIGH LOCKERS
- PROVIDE IN-WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT
- WALL MOUNTED LAPTOP CABINET - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION
- WALL MOUNTED GAS SHUT OFF BUTTON - REFER TO MECHANICAL DWGS
- NOT USED
- CHAIN LINK FENCE CAGE - EXTEND FENCING 10'-0" A.F.F.
- 4" AFF IN WALL BLOCKING AND HANDCUFF RING
- THIS WALL AND DOOR ARE PROVIDED AT BASE BID ONLY. REMOVED AT ALT. BID #1. SEE SHEET A1.03
- PLATED STEEL COLUMN. SEE STRUCTURAL
- COORDINATE LOCATION OF WALL RECESS WITH CEILING TERMINATION - REFER TO RCP
- METAL, 2-HIGH LOCKERS
- JUNTS IN STONE SILL ALIGN WITH MULLIONS. REFER TO WALL SECTION FOR MORE INFORMATION
- LINE OF SOFFIT BELOW. REFER TO RCP FOR MORE INFORMATION
- ALIGN FACE OF COLUMN ENCLOSURE WITH WINDOW JAMB
- TRANSFORMER, GENERATOR, AND REMOTE REFRIGERATION RACK. REFER TO ELECTRICAL, FOOD SERVICE AND MECHANICAL DRAWINGS



1 LEVEL 1 PLAN - WEST
 1/8" = 1'-0"





ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
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KJWW ENGINEERING CONSULTANTS
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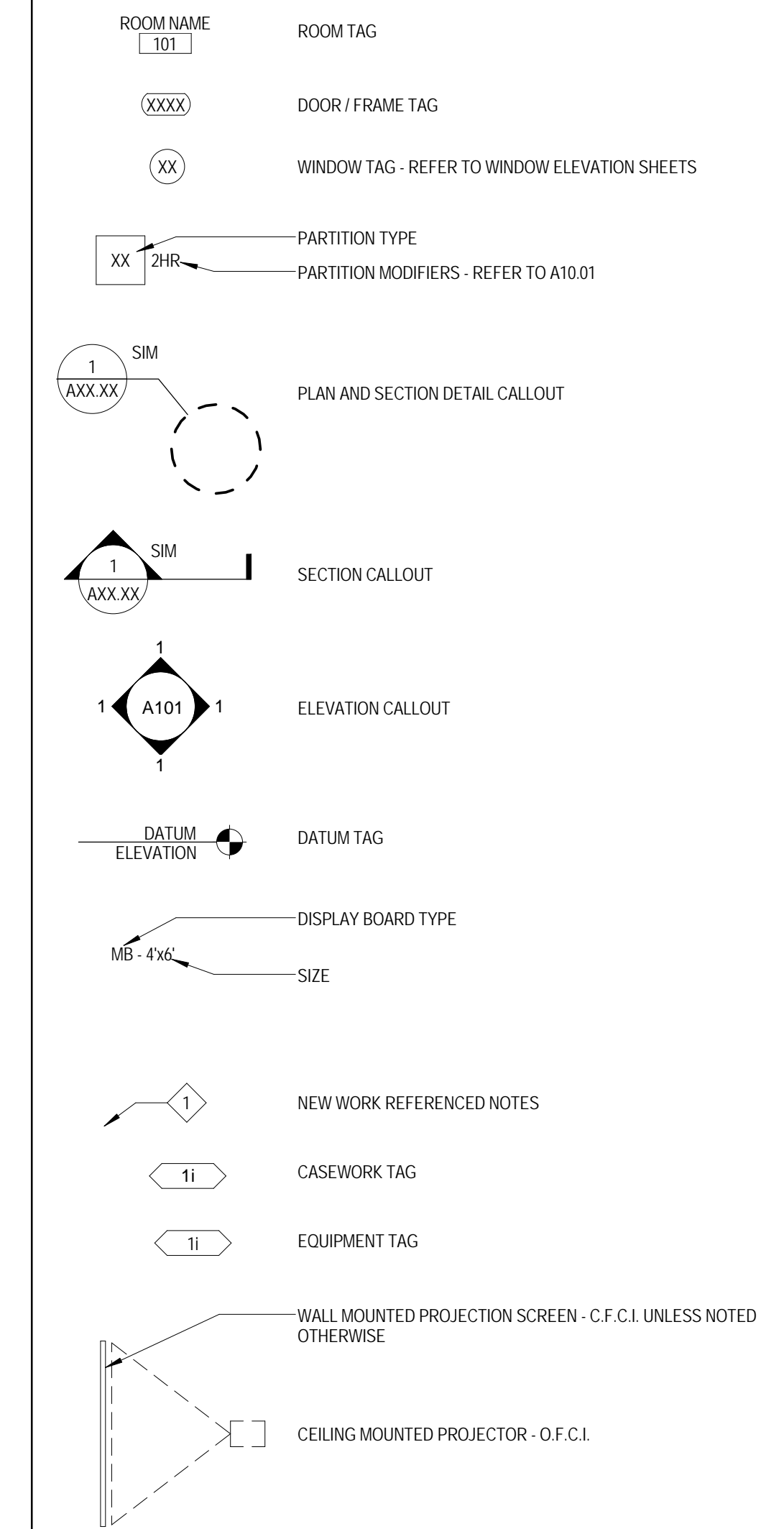
FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS



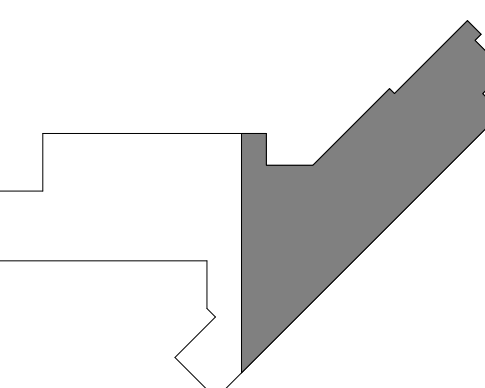
FLOOR PLAN GENERAL NOTES:

1. FINISH FLOOR ELEVATION OF 0'-0" = 671.8' USGS
2. ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
3. REFER TO CODE PLANS ON SHEET A0.10 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
4. DO NOT SCALE DRAWINGS.
5. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
6. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
8. ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
9. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
10. REFER TO A10.01 FOR PARTITION SCHEDULE. ALL INTERIOR PARTITIONS SHALL BE TYPE SIA UNLESS NOTED OTHERWISE.
11. REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.
12. PROVIDE IN-WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT NOTED THROUGHOUT DRAWINGS.
13. CASEWORK AND EQUIPMENT MAY BE SHOWN AS HALFTONE ON DIMENSION PLANS FOR CLARITY.

FLOOR PLAN REFERENCED NOTES:

1. GLASS GUARDRAIL SYSTEM - REFER TO DETAIL FOR MORE INFORMATION.
2. GYP BD COLUMN ENCLOSURE - PARTITIONS TYPE S2C TYP. REFER TO DIMENSION PLANS FOR OUTSIDE DIMENSIONS.
3. HIGH DENSITY SHELVING SYSTEM. COORDINATE RECESS IN SLAB FOR SUPPORT RAILS. REFER TO STRUCTURAL DRAWINGS.
4. SLIDING GLASS BARN DOOR SYSTEM - REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
5. FOOD SERVICE EQUIPMENT - REFER TO FOOD SERVICE DRAWINGS.
6. ALL WALLS THIS ROOM ARE FACED WITH PLYWOOD. REFER TO TECHNOLOGY DWGS FOR MORE INFORMATION.
7. RECESSED GUN CABINET
8. WELDING MACHINES, N.I.C.
9. PLASTIC LAMINATE, 3-HIGH LOCKERS
10. FLAT PANEL MONITOR - O.F.C.I. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS. IF WALL IS NOT ELEVATED, CENTER MONITOR ON WALL AND MOUNT AT 5'-0" AFF.
11. RECESSED CABINET UNIT HEATER - REFER TO MECHANICAL DRAWINGS.
12. PROVIDE BLOCKING IN WALL FOR OWNER FURNISHED, OWNER INSTALLED EVAC CHAIR. COORDINATE EXTENTS AND LOCATION WITH ARCHITECT.
13. LEVEL 5 DRYWALL FINISH THIS WALL.
14. SECURITY GATE TRACK ABOVE.
15. FIRE ALARM PULLSTATION PANEL.
16. CODE BLUE STATION - SEE TECHNOLOGY DWGS.
17. FIN TUBE RADIATOR BELOW. REFER TO MECHANICAL DRAWINGS.
18. WALL MOUNTED ADA DOOR OPERATOR PUSH PAD.
19. RECESSED FIRE EXTINGUISHER CABINET.
20. WALL MOUNTED 24" X 12" MIRROR - TA-SA. REFER TO TOILET ACCESSORY SCHEDULE ON A8.01.
21. PLASTIC LAMINATE, 2-HIGH LOCKERS.
22. PROVIDE IN-WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT.
23. WALL MOUNTED LAPTOP CABINET - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
24. WALL MOUNTED GAS SHUT OFF BUTTON - REFER TO MECHANICAL DWGS.
25. NOT USED.
26. CHAIN LINK FENCE GATE - EXTEND FENCING 10'-0" AFF.
27. 18" AFF IN WALL BLOCKING AND HANDCUFF RING.
28. THIS WALL AND DOOR ARE PROVIDED AT BASE BID ONLY. REMOVED AT ALT. BID #1. SEE SHEET A1.03.
29. PLATED STEEL COLUMN. SEE STRUCTURAL.
30. COORDINATE LOCATION OF WALL RECESS WITH CEILING TERMINATION - REFER TO RCP.
31. METAL, 2-HIGH LOCKERS.
32. JOINTS IN STONE SILL ALIGN WITH MULLIONS. REFER TO WALL SECTION FOR MORE INFORMATION.
33. LINE OF SOFFIT BELOW. REFER TO RCP FOR MORE INFORMATION.
34. ALIGN FACE OF COLUMN ENCLOSURE WITH WINDOW JAMB.
35. TRANSFORMER, GENERATOR, AND REMOTE REFRIGERATION RACK. REFER TO ELECTRICAL, FOOD SERVICE AND MECHANICAL DRAWINGS.

KEY PLAN:



SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

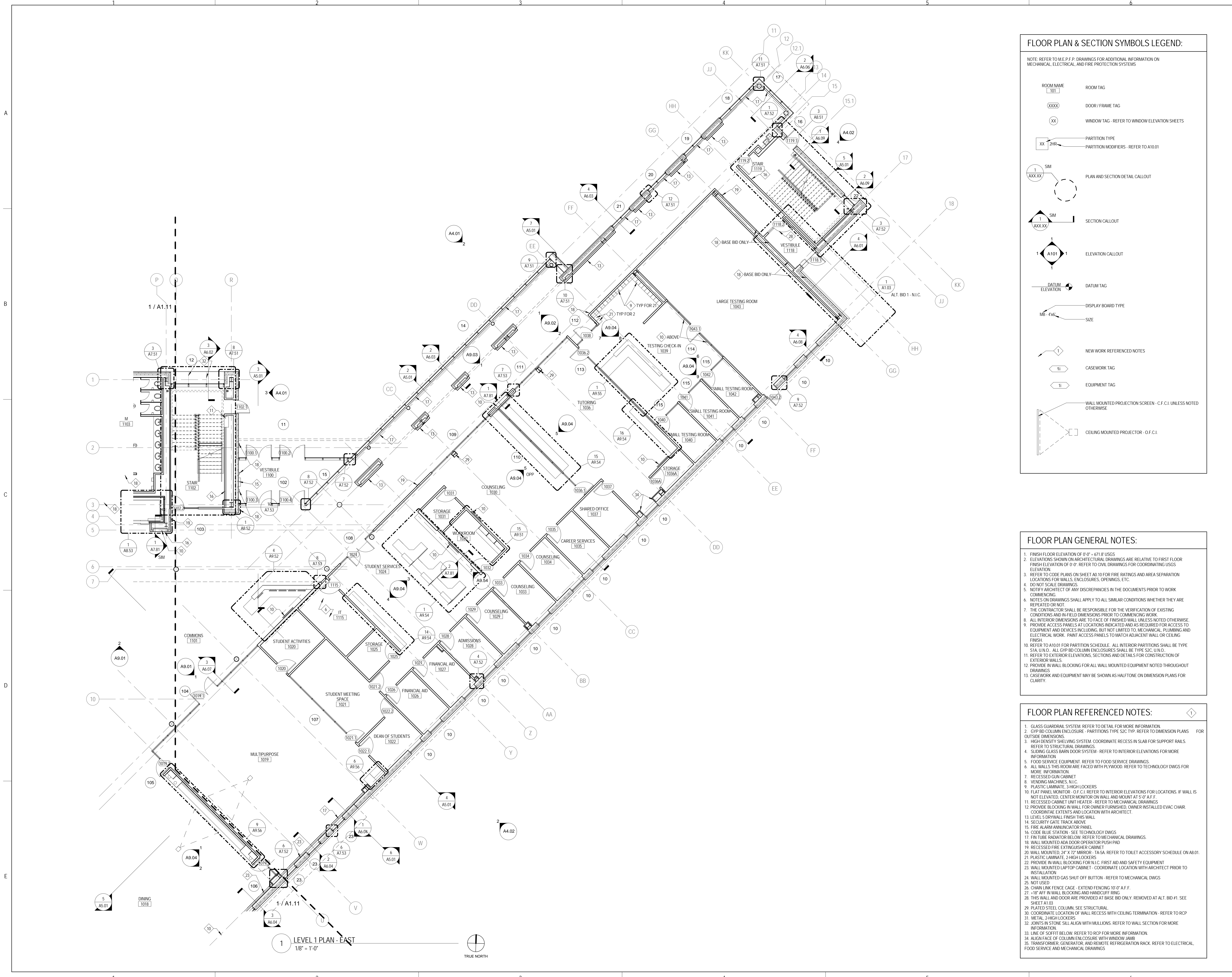
SHEET TITLE:

LEVEL 1 PLAN - EAST

SHEET NUMBER:

A1.12

9/18/2015 9:28:51 AM





ARCHITECT OF RECORD
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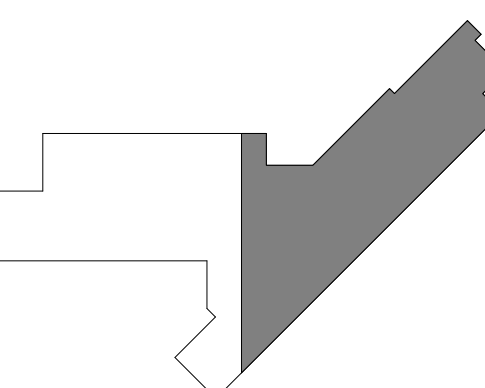
STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
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CONSTRUCTION MANAGER
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 1215 HOUBOLT RD.
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 P: 815.280.2212

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 2 PLAN - EAST

SHEET NUMBER:
A1.22

9/18/2015 9:29:06 AM

FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

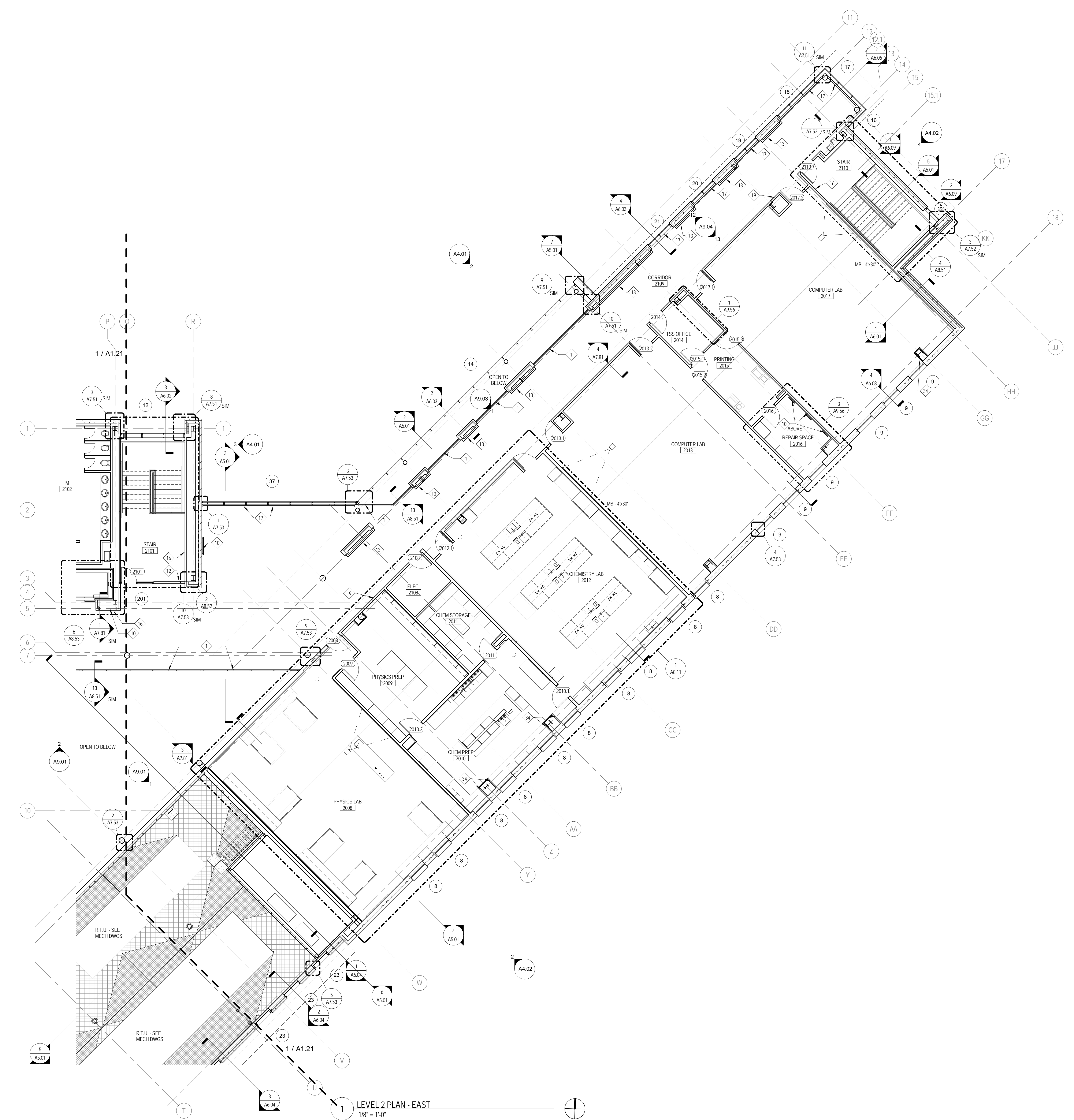
	ROOM NAME	ROOM TAG
	DOOR / FRAME TAG	
	WINDOW TAG - REFER TO WINDOW ELEVATION SHEETS	
	PARTITION TYPE	
	PARTITION MODIFIERS - REFER TO A10.01	
	PLAN AND SECTION DETAIL CALLOUT	
	SECTION CALLOUT	
	ELEVATION CALLOUT	
	DATUM TAG	
	DISPLAY BOARD TYPE	
	SIZE	
	NEW WORK REFERENCED NOTES	
	CASEWORK TAG	
	EQUIPMENT TAG	
	WALL MOUNTED PROJECTION SCREEN - C.F.C.I. UNLESS NOTED OTHERWISE	
	CEILING MOUNTED PROJECTOR - O.F.C.I.	

FLOOR PLAN GENERAL NOTES:

- FINISH FLOOR ELEVATION OF 0'-0" = 671.8 USGS
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEET AD.10 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
- PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.01 FOR PARTITION SCHEDULE. ALL INTERIOR PARTITIONS SHALL BE TYPE STA. U.N.O. ALL GYP BD COLUMN ENCLOSURES SHALL BE TYPE S2C. U.N.O.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.
- PROVIDE IN WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT NOTED THROUGHOUT DRAWINGS.
- CASEWORK AND EQUIPMENT MAY BE SHOWN AS HALFTONE ON DIMENSION PLANS FOR CLARITY.

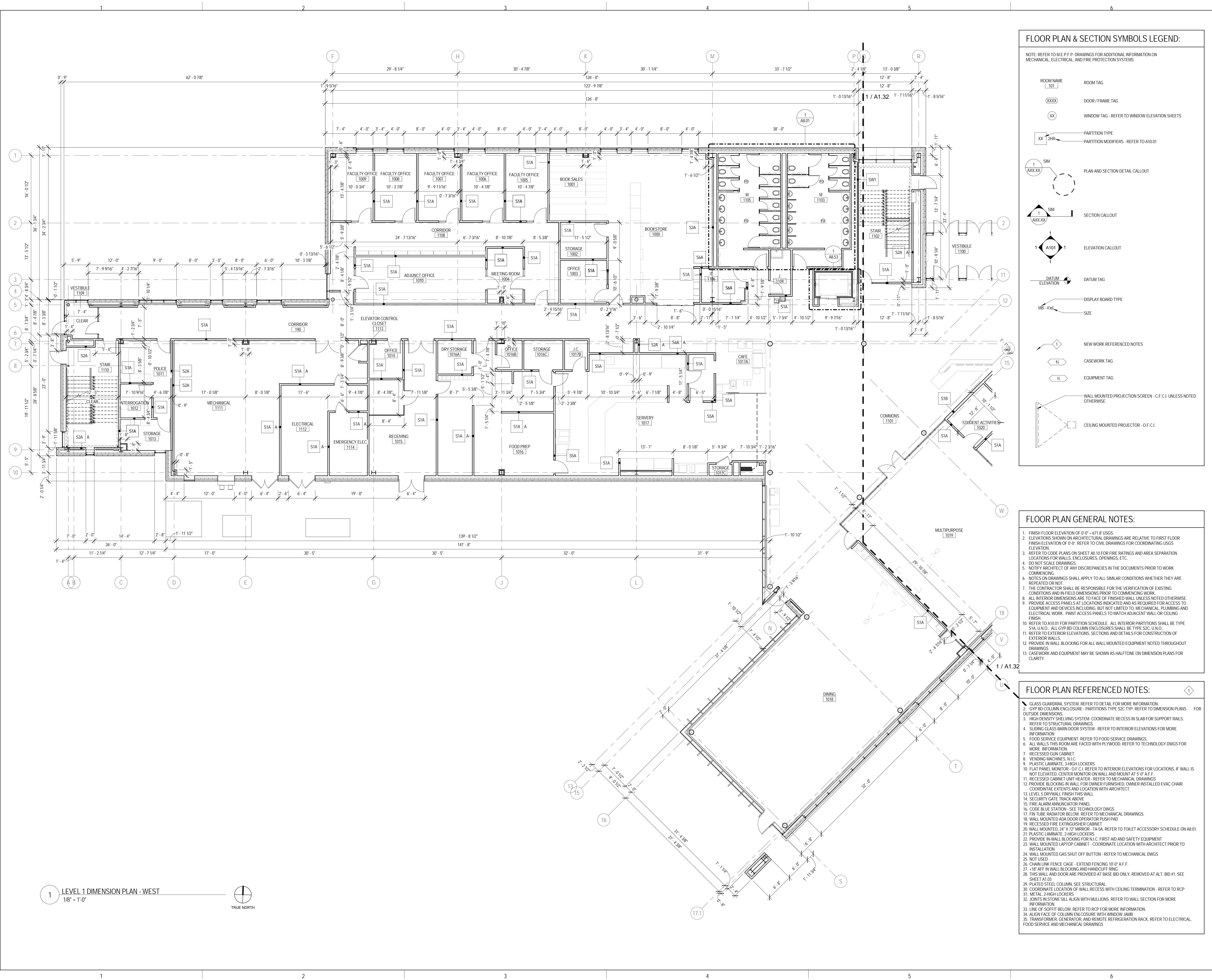
FLOOR PLAN REFERENCED NOTES:

- GLASS GUARDRAIL SYSTEM. REFER TO DETAIL FOR MORE INFORMATION.
- GYP BD COLUMN ENCLOSURE - PARTITIONS TYPE S2C TYP. REFER TO DIMENSION PLANS FOR OUTSIDE DIMENSIONS.
- HIGH DENSITY SHELVING SYSTEM. COORDINATE RECESS IN SLAB FOR SUPPORT RAILS. REFER TO STRUCTURAL DRAWINGS.
- SLIDING GLASS BARN DOOR SYSTEM - REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
- FOOD SERVICE EQUIPMENT. REFER TO FOOD SERVICE DRAWINGS FOR MORE INFORMATION.
- ALL WALLS THIS ROOM ARE FACED WITH PLYWOOD. REFER TO TECHNOLOGY DWGS FOR MORE INFORMATION.
- RECESSED GUN CABINET
- VENDING MACHINES, ALL C.
- PLASTIC LAMINATE, 3-HIGH LOCKERS
- FLAT PANEL MONITOR - O.F.C.I. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS. IF WALL IS NOT ELEVATED, CENTER MONITOR ON WALL AND MOUNT AT 5'-0" A.F.F.
- RECESSED CABINET UNIT HEATER. REFER TO MECHANICAL DRAWINGS
- PROVIDE BLOCKING IN WALL FOR OWNER FURNISHED, OWNER INSTALLED EVAC CHAIR.
- LEVEL 5 DRYWALL FINISH THIS WALL.
- SECURITY GATE TRACK ABOVE.
- FIRE ALARM ANNUNCIATOR PANEL.
- CORE BLUE STRATION. SEE TECHNOLOGY DWGS
- FIN TUBE RADIATOR BELOW. REFER TO MECHANICAL DRAWINGS.
- WALL MOUNTED ADA DOOR OPERATOR PUSH PAD
- RECESSED FIRE EXTINGUISHER CABINET
- WALL MOUNTED, 24" X 72" MIRROR - T.A.S.A. REFER TO TOILET ACCESSORY SCHEDULE ON A8.01.
- PLASTIC LAMINATE, 2-HIGH LOCKERS
- PROVIDE IN WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT
- WALL MOUNTED LAPTOP CABINET - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- WALL MOUNTED GAS SHUT OFF BUTTON - REFER TO MECHANICAL DWGS
- NOT USED
- CHAIN LINK FENCE CAGE - EXTEND FENCING 10'-0" A.F.F.
- 1/2" AFF IN WALL BLOCKING AND HANDCUFF RING
- THIS WALL AND DOOR ARE PROVIDED AT BASE BID ONLY. REMOVED AT ALT. BID #1. SEE SHEET A1.03.
- PLATED STEEL COLUMN. SEE STRUCTURAL.
- COORDINATE LOCATION OF WALL RECESS WITH CEILING TERMINATION - REFER TO RCP
- METAL, 2-HIGH LOCKERS
- JOINTS IN STONE SILL ALIGN WITH MULLIONS. REFER TO WALL SECTION FOR MORE INFORMATION.
- LINE OF SOFFIT BELOW. REFER TO RCP FOR MORE INFORMATION
- ALIGN FACE OF COLUMN ENCLOSURE WITH WINDOW JAMB
- TRANSFORMER, GENERATOR, AND REMOTE REFRIGERATION RACK. REFER TO ELECTRICAL, FOOD SERVICE AND MECHANICAL DRAWINGS



LEVEL 2 PLAN - EAST
 1/8" = 1'-0"





FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS.

ROOM NAME [101] ROOM TAG

(XXXX) DOOR / FRAME TAG

(XX) WINDOW TAG - REFER TO WINDOW ELEVATION SHEETS

XX 2/IR PARTITION TYPE

XX 2/IR PARTITION MODIFIERS - REFER TO A10.01

1 AXXXX PLAN AND SECTION DETAIL CALLOUT

1 AXXXX SECTION CALLOUT

1 A101 ELEVATION CALLOUT

DATUM TAG

MB-4x6 DISPLAY BOARD TYPE

SIZE

NEW WORK REFERENCED NOTES

11 CASEWORK TAG

12 EQUIPMENT TAG

WALL MOUNTED PROJECTION SCREEN - C.F. C.I. UNLESS NOTED OTHERWISE

CEILING MOUNTED PROJECTOR - O.F.C.I.

FLOOR PLAN GENERAL NOTES:

- FINISH FLOOR ELEVATION OF 0'-0" = 671.8' USGS
- ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0" REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
- REFER TO CODE PLANS ON SHEET A6.10 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
- DO NOT SCALE DRAWINGS.
- NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
- NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
- ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
- REFER TO A10.01 FOR PARTITION SCHEDULE. ALL INTERIOR PARTITIONS SHALL BE TYPE SIA UNLESS INDICATED OTHERWISE. ALL GYP BD COLUMN ENCLOSURES SHALL BE TYPE S2C UNLESS NOTED OTHERWISE.
- REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.
- PROVIDE IN WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT NOTED THROUGHOUT DRAWINGS.
- CASEWORK AND EQUIPMENT MAY BE SHOWN AS HALFTONE ON DIMENSION PLANS FOR CLARITY.

FLOOR PLAN REFERENCED NOTES:

- GLASS GUARDRAIL SYSTEM - REFER TO DETAIL FOR MORE INFORMATION
- GYP BD COLUMN ENCLOSURE - PARTITIONS TYPE S2C TYP. REFER TO DIMENSION PLANS FOR OUTSIDE DIMENSIONS.
- HIGH DENSITY SHELVING SYSTEM - COORDINATE RECESS IN SLAB FOR SUPPORT RAILS. REFER TO STRUCTURAL DRAWINGS.
- SLIDING GLASS BARN DOOR SYSTEM - REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
- FOOD SERVICE EQUIPMENT. REFER TO FOOD SERVICE DRAWINGS.
- ALL WALLS THIS ROOM ARE FACED WITH PLYWOOD. REFER TO TECHNOLOGY DWGS FOR MORE INFORMATION.
- RECESSED GUN CABINET
- VENDING MACHINES, N.I.C.
- PLASTIC LAMINATE, 2-HIGH LOCKERS
- FLAT PANEL MONITOR - O.F.C.I. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS. IF WALL IS NOT ELEVATED, CENTER MONITOR ON WALL AND MOUNT AT 5'-0" AFF.
- RECESSED CABINET UNIT HEATER - REFER TO MECHANICAL DRAWINGS
- PROVIDE BLOCKING IN WALL FOR OWNER FURNISHED, OWNER INSTALLED EVAC CHAIR. COORDINATE EXTENTS AND LOCATION WITH ARCHITECT.
- LEVEL 5 DRYWALL FINISH THIS WALL
- SECURITY GATE TRACK ABOVE
- FIRE ALARM ANNUNCIATOR PANEL
- CODE BLUE STATION - SEE TECHNOLOGY DWGS
- FIN TUBE RADIATOR BELOW. REFER TO MECHANICAL DRAWINGS.
- WALL MOUNTED ADA DOOR OPERATOR PUSH PAD
- RECESSED FIRE EXTINGUISHER CABINET
- WALL MOUNTED 24" X 12" MIRROR - TA-SA. REFER TO TOILET ACCESSORY SCHEDULE ON A8.01.
- PLASTIC LAMINATE, 2-HIGH LOCKERS
- PROVIDE IN WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT
- WALL MOUNTED LAPTOP CABINET - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- WALL MOUNTED GAS SHUT OFF BUTTON - REFER TO MECHANICAL DWGS
- NOT USED
- CHAIN LINK FENCE CAGE - EXTEND FENCING 10'-0" AFF.
- 18" AFF IN WALL BLOCKING AND HANDOFF RING
- THIS WALL AND DOOR ARE PROVIDED AT BASE BID ONLY. REMOVED AT ALT. BID #1. SEE SHEET A1.01
- PLATED STEEL COLUMN, SEE STRUCTURAL.
- COORDINATE LOCATION OF WALL RECESS WITH CEILING TERMINATION - REFER TO RCP
- METAL, 2-HIGH LOCKERS
- JOINTS IN STONE SILL ALIGN WITH MULLIONS. REFER TO WALL SECTION FOR MORE INFORMATION.
- LINE OF SOFFIT BELOW. REFER TO RCP FOR MORE INFORMATION.
- ALUMN FACE OF COLUMN ENCLOSURE WITH WINDOW JAMB
- TRANSFORMER, GENERATOR, AND REMOTE REFRIGERATION RACK. REFER TO ELECTRICAL, FOOD SERVICE AND MECHANICAL DRAWINGS.

1 LEVEL 1 DIMENSION PLAN - WEST
 1/8" = 1'-0"

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 DIMENSION PLAN - WEST

SHEET NUMBER:
A1.31

9/18/2015 9:29:11 AM



ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
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 P: 312.496.0000

STRUCTURAL AND MEP/PF ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

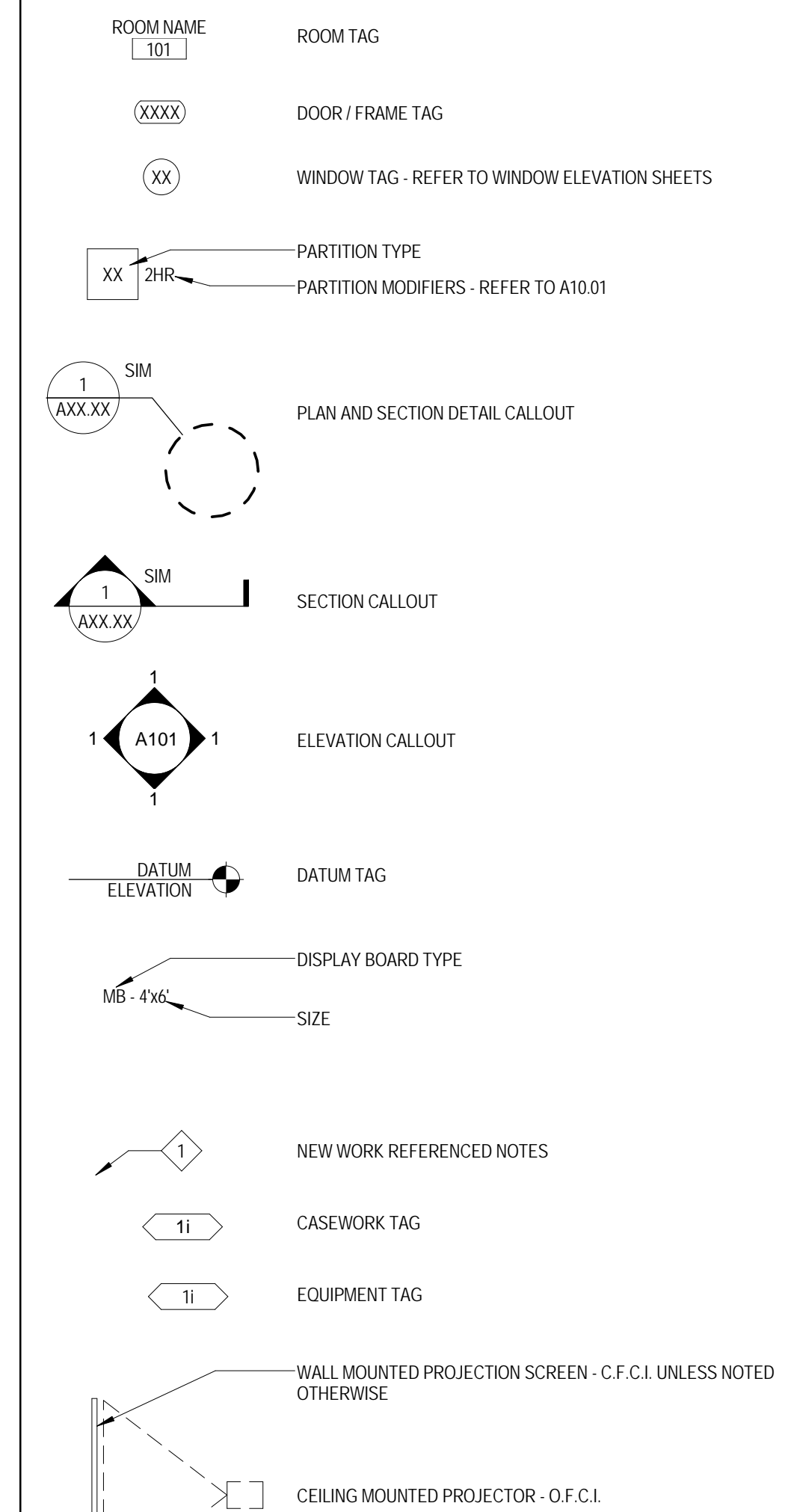
FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
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CONSTRUCTION MANAGER
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 JOLIET, IL 60431
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS



FLOOR PLAN GENERAL NOTES:

1. FINISH FLOOR ELEVATION OF 0'-0" = 671.8 USGS
2. ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
3. REFER TO CODE PLANS ON SHEET A0 10 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
4. DO NOT SCALE DRAWINGS.
5. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
6. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
8. ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
9. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
10. REFER TO A10.01 FOR PARTITION SCHEDULE. ALL INTERIOR PARTITIONS SHALL BE TYPE S1A, U.N.O.. ALL GYP BD COLUMN ENCLOSURES SHALL BE TYPE S2C, U.N.O..
11. REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.
12. PROVIDE IN WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT NOTED THROUGHOUT DRAWINGS.
13. CASEWORK AND EQUIPMENT MAY BE SHOWN AS HALFTONE ON DIMENSION PLANS FOR CLARITY.

FLOOR PLAN REFERENCED NOTES:

1. GLASS GUARDRAIL SYSTEM - REFER TO DETAIL FOR MORE INFORMATION.
2. GYP BD COLUMN ENCLOSURE - PARTITIONS TYPE S2C TYP. REFER TO DIMENSION PLANS FOR OUTSIDE DIMENSIONS.
3. HIGH DENSITY SHELVING SYSTEM - COORDINATE RECESS IN SLAB FOR SUPPORT RAILS. REFER TO STRUCTURAL DRAWINGS.
4. SLIDING GLASS BARRN DOOR SYSTEM - REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
5. FOOD SERVICE EQUIPMENT - REFER TO FOOD SERVICE DRAWINGS.
6. ALL WALLS THIS ROOM ARE FACED WITH PLYWOOD. REFER TO TECHNOLOGY DWGS FOR MORE INFORMATION.
7. RECESSED GUN CABINET
8. VENDING MACHINES, N.I.C.
9. PLASTIC LAMINATE 2-HIGH LOCKERS
10. FLAT PANEL MONITOR - O.F.C.I. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS. IF WALL IS NOT ELEVATED, CENTER MONITOR ON WALL AND MOUNT AT 5'-0" A.F.F.
11. RECESSED CABINET UNIT HEATER - REFER TO MECHANICAL DRAWINGS
12. PROVIDE IN WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT. COORDINATE EXTENTS AND LOCATION WITH ARCHITECT.
13. LEVEL 5 DRYWALL FINISH THIS WALL
14. SECURITY GATE TRACK ABOVE
15. FIRE ALARM ANNUNCIATOR PANEL
16. CODE BLUE STATION - SEE TECHNOLOGY DWGS
17. FIN TUBE RADIATOR BELOW. REFER TO MECHANICAL DRAWINGS.
18. WALL MOUNTED ADA DOOR OPERATOR PUSH PAD
19. RECESSED FIRE EXTINGUISHER CABINET
20. WALL MOUNTED 24" X 72" MIRROR - 1A-SA. REFER TO TOILET ACCESSORY SCHEDULE ON A8.01.
21. PLASTIC LAMINATE 2-HIGH LOCKERS
22. PROVIDE IN WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT
23. WALL MOUNTED LAPTOP CABINET - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
24. WALL MOUNTED GAS SHUT OFF BUTTON - REFER TO MECHANICAL DWGS
25. NOT USED
26. CHAIN LINK FENCE CAGE - EXTEND FENCING 10'-0" A.F.F.
27. 18" AFT IN WALL BLOCKING AND HANDCUFF WING
28. THIS WALL AND DOOR ARE PROVIDED AT BASE BID ONLY. REMOVED AT ALT. BID #1. SEE SHEET A1.02.
29. PLATED STEEL COLUMN. SEE STRUCTURAL
30. COORDINATE LOCATION OF WALL RECESS WITH CEILING TERMINATION - REFER TO RCP
31. METAL 2-HIGH LOCKERS
32. JOINTS IN STONE SILL ALIGN WITH MULLIONS. REFER TO WALL SECTION FOR MORE INFORMATION.
33. LINE OF SPLIT BELOW. REFER TO RCP FOR MORE INFORMATION.
34. ALIGN FACE OF COLUMN ENCLOSURE WITH WINDOW JAMB
35. TRANSFORMER, GENERATOR, AND REMOTE REFRIGERATION RACK. REFER TO ELECTRICAL, FOOD SERVICE AND MECHANICAL DRAWINGS

KEY PLAN:

SHEET STATUS: 9/18/2015

ISSUED FOR CONSTRUCTION

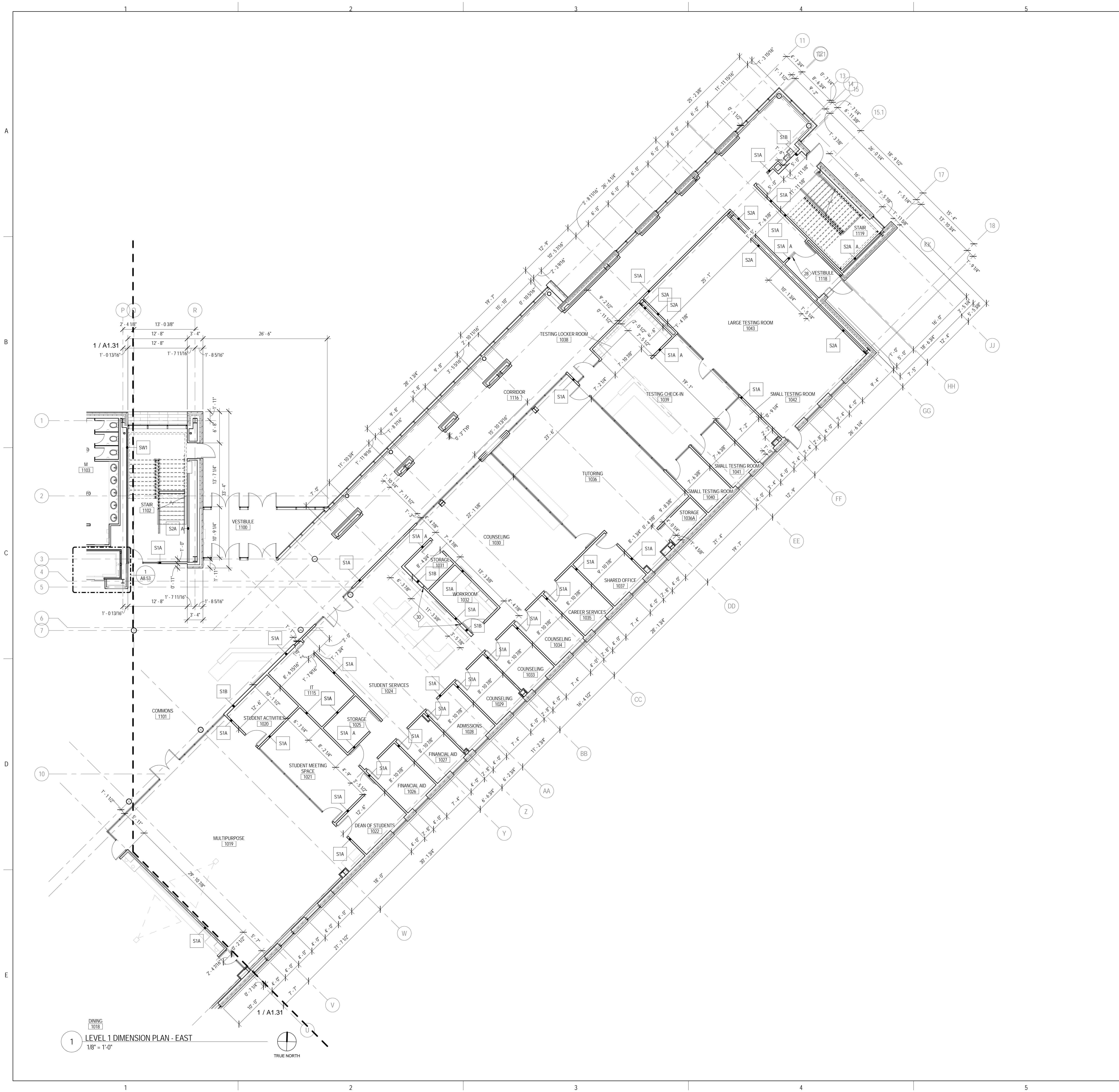
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 DIMENSION PLAN - EAST

SHEET NUMBER:

A1.32

9/18/2015 9:29:17 AM





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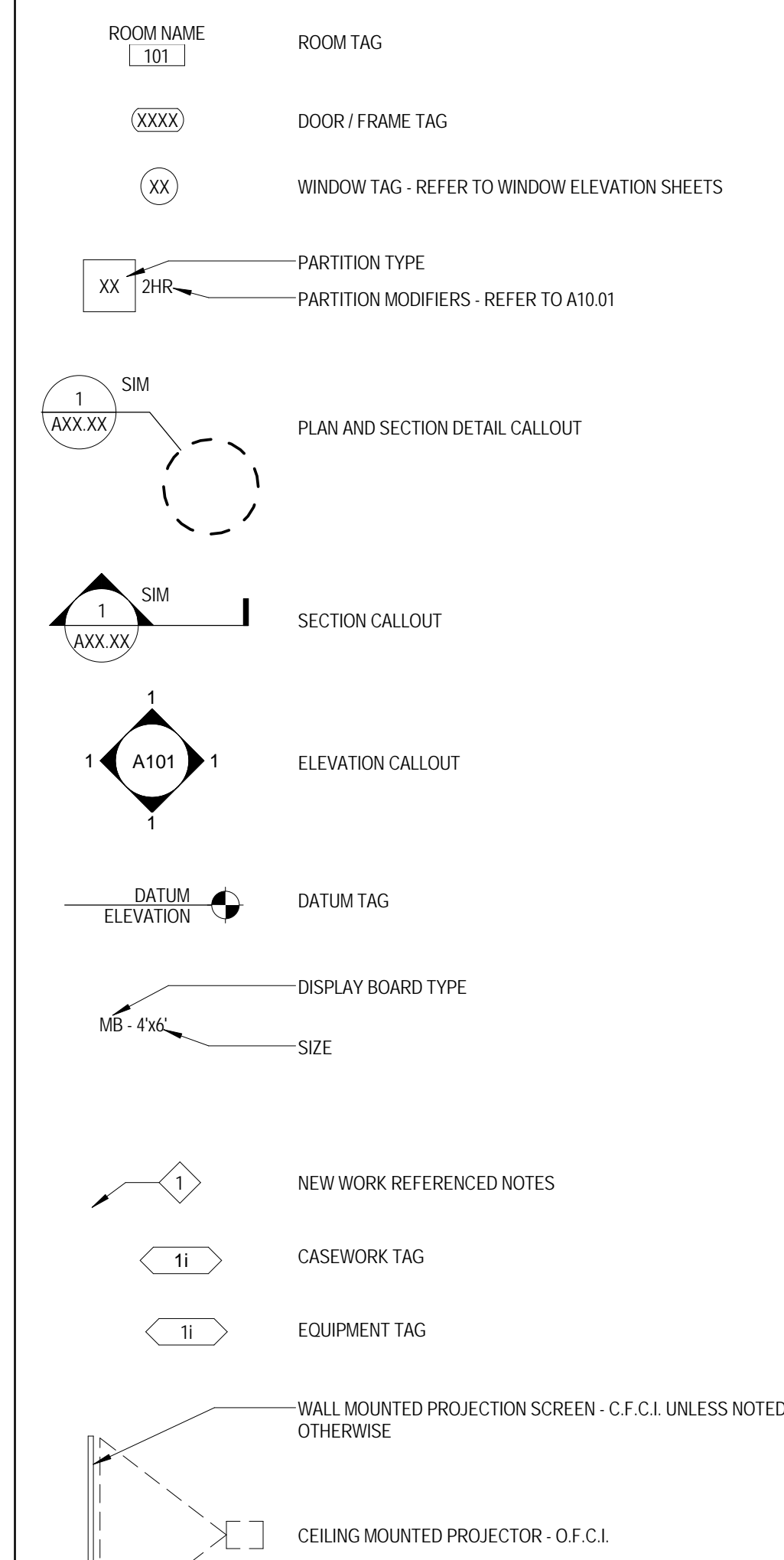
FOOD SERVICE CONSULTANT
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ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS



FLOOR PLAN GENERAL NOTES:

1. FINISH FLOOR ELEVATION OF 0'-0" - 671' 8" USGS
2. ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
3. REFER TO CODE PLANS ON SHEET A010 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
4. DO NOT SCALE DRAWINGS.
5. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
6. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
8. ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
9. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
10. REFER TO A101 FOR PARTITION SCHEDULE. ALL INTERIOR PARTITIONS SHALL BE TYPE S1A, U.N.O. ALL GYP BD COLUMN ENCLOSURES SHALL BE TYPE S2C, U.N.O.
11. REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.
12. PROVIDE IN WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT NOTED THROUGHOUT DRAWINGS.
13. CASEWORK AND EQUIPMENT MAY BE SHOWN AS HALFTONE ON DIMENSION PLANS FOR CLARITY.

FLOOR PLAN REFERENCED NOTES:

1. GLASS GUARDRAIL SYSTEM - REFER TO DETAIL FOR MORE INFORMATION.
2. GYP BD COLUMN ENCLOSURE - PARTITIONS TYPE S2C TYP. REFER TO DIMENSION PLANS FOR OUTSIDE DIMENSIONS.
3. HIGH DENSITY SHELVING SYSTEM - COORDINATE RECESS IN SLAB FOR SUPPORT RAILS. REFER TO STRUCTURAL DRAWINGS.
4. SLIDING GLASS BARN DOOR SYSTEM - REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
5. FOOD SERVICE EQUIPMENT - REFER TO FOOD SERVICE DRAWINGS.
6. ALL WALLS THIS ROOM ARE FACED WITH PLYWOOD. REFER TO TECHNOLOGY DWGS FOR MORE INFORMATION.
7. RECESSED GUN CABINET
8. VENDING MACHINES, N.I.C.
9. PLASTIC LAMINATE, 3-HIGH LOCKERS
10. FLAT PANEL MONITOR - O.F.C.I. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS. IF WALL IS NOT ELEVATED, CENTER MONITOR ON WALL AND MOUNT AT 5'-0" A.F.F.
11. RECESSED CABINET UNIT HEATER - REFER TO MECHANICAL DRAWINGS.
12. PROVIDE BLOCKING IN WALL FOR OWNER FURNISHED, OWNER INSTALLED EVAC CHAIR. COORDINATE EXTENTS AND LOCATION WITH ARCHITECT.
13. LEVEL 5 DRYWALL FINISH THIS WALL
14. SECURITY GATE, TONGUE ABOVE
15. FIRE ALARM ANNUNCIATOR PANEL
16. CODE BLUE STATION - SEE TECHNOLOGY DWGS
17. FIN TUBE RADIATOR BELOW, REFER TO MECHANICAL DRAWINGS.
18. WALL MOUNTED ADA DOOR OPERATOR PUSH PAD
19. RECESSED FIRE EXTINGUISHER CABINET
20. WALL MOUNTED, 24" X 72" MIRROR - 1A SA. REFER TO TOILET ACCESSORY SCHEDULE ON A8.01.
21. PLASTIC LAMINATE, 2-HIGH LOCKERS
22. PROVIDE IN-WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT
23. WALL MOUNTED LAPTOP CABINET - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION
24. WALL MOUNTED GAS SHUT OFF BUTTON - REFER TO MECHANICAL DWGS
25. NOT USED
26. CHAIN LINK FENCE GAGE - EXTEND FENCING 10'-0" A.F.F.
27. 1" F.F. AFF IN WALL BLOCKING AND HANDCUFF RING
28. THIS WALL AND DOOR ARE PROVIDED AT BASE BID ONLY - REMOVED AT ALT. BID #1. SEE SHEET A1.03
29. PLATED STEEL COLUMN, SEE STRUCTURAL
30. COORDINATE LOCATION OF WALL RECESS WITH CEILING TERMINATION - REFER TO RCP
31. METAL, 2-HIGH LOCKERS
32. JOINTS IN STONE SILL ALIGN WITH MULLIONS. REFER TO WALL SECTION FOR MORE INFORMATION.
33. LINE OF SOFFIT BELOW, REFER TO RCP FOR MORE INFORMATION.
34. ALIGN FACE OF COLUMN ENCLOSURE WITH WINDOW JAMB
35. TRANSFORMER, GENERATOR, AND REMOTE REFRIGERATION RACK. REFER TO ELECTRICAL, FOOD SERVICE AND MECHANICAL DRAWINGS

KEY PLAN:

SHEET STATUS: 9/18/2015

ISSUED FOR CONSTRUCTION

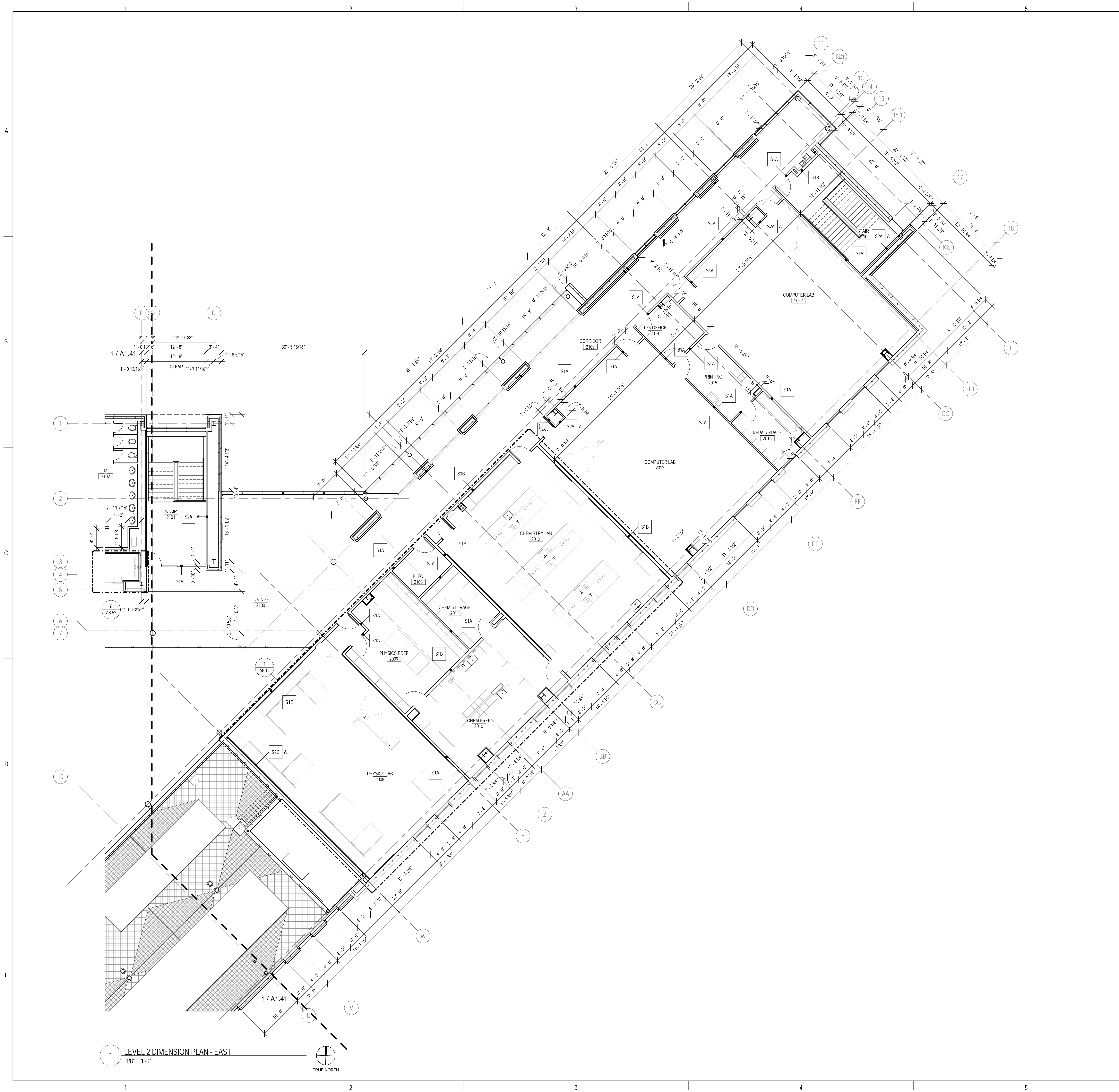
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 2 DIMENSION PLAN - EAST

SHEET NUMBER:

A1.42

9/18/2015 9:29:31 AM



1 LEVEL 2 DIMENSION PLAN - EAST
 1/8" = 1'-0"



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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:
1		

SHEET TITLE:
LEVEL 1 REFLECTED CEILING PLAN - WEST

SHEET NUMBER:

A2.11

9/18/2015 9:29:45 AM

RCP SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- CEILING TYPE
- CEILING ELEVATION A.F.F.
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- LINEAR WOOD SLAT CEILING SYSTEM
- WOOD PANEL CEILING
- ROLLER SHADE - MANUAL U.N.O.
- RADIANT CEILING PANELS - REFER TO MECHANICAL DWGS
- TRACK LIGHTING
- RECESSED 2x2 FLUORESCENT FIXTURE
- SURFACE MOUNT FLUORESCENT LIGHT LINEAR FIXTURE
- SURFACE LIGHT MOUNT FIXTURE
- RECESSED DOWN LIGHT
- RECESSED SQUARE DOWN LIGHT
- PENDANT MOUNT LIGHT
- PENDANT LIGHT MOUNT LINEAR FIXTURE
- PENDANT LIGHT HUNG FLUORESCENT STRIP FIXTURE
- RECESSED LIGHT LINEAR FLUORESCENT FIXTURE
- PULL DOWN WALL MOUNTED PROJECTION SCREEN - U.N.O.
- CEILING MOUNTED PROJECTOR - O.F.C.I.
- EXIT SIGN
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- VACANCY SENSOR
- CONTROL JOINT
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- LINEAR DIFFUSER - SUPPLY/RETURN

RCP GENERAL NOTES:

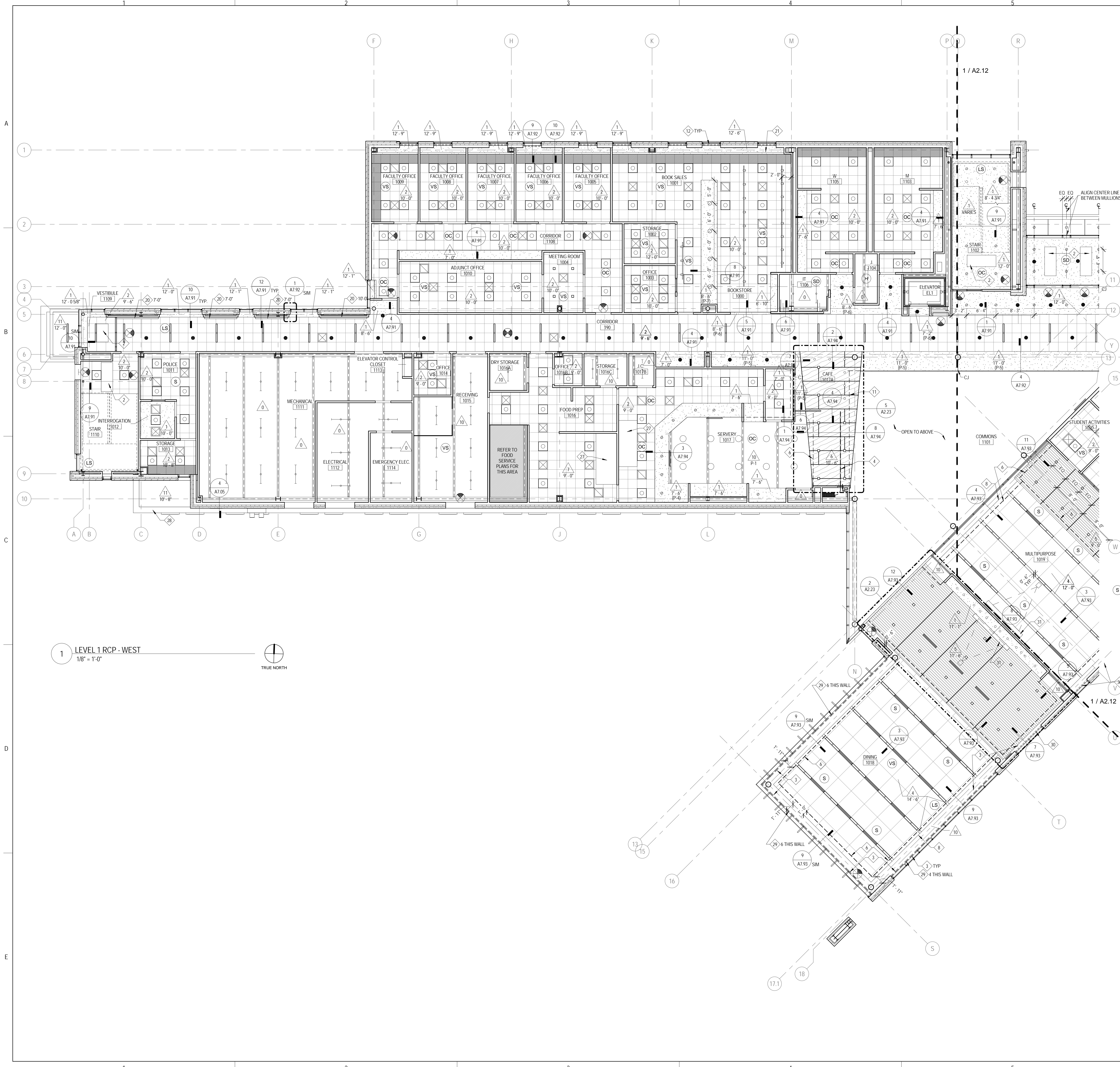
- ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
- CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (U.N.O.)
- CENTER ALL SPRINKLER HEADS IN CEILING TILES
- ALL GYP. BD. CEILINGS TO BE PAINTED P-2 UNLESS OTHERWISE NOTED ON PLANS
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS TO FINISHED CEILING ABOVE U.N.O.
- EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
- REFER TO A7.91 FOR TYPICAL SAT. TO GYP. BD. AND GYP. BD. TO GYP. BD. CEILING TRANSITIONS
- ALL SPRINKLER HEADS, SPEAKERS, AND GRILLS IN GYP. BD. CEILINGS PAINTED A COLOR OTHER THAN P-2 SHOULD BE PAINTED TO MATCH ADJACENT CEILING COLOR

RCP REFERENCED NOTES:

- ROLLER SHADES AT THESE WINDOWS ARE BLACKOUT SHADES.
- CABINET UNIT HEATER - REFER TO MECHANICAL DWGS
- ROLLER SHADES IN THIS ROOM ARE MOTORIZED
- RECESSED TRACK FOR RETRACTABLE SECURITY GATE
- 3/4" DIA. STEEL ROD STRUCTURE SUSPENDED FROM STRUCTURE ABOVE. REFER TO STRUCTURAL DRAWINGS. BOTTOM OF RODS AT 4'-6" A.F.F.
- HEAVY DASHED LINE INDICATES FACE OF GYP BD BULKHEAD ABOVE
- JOINT IN ACM CANOPY
- PROVIDE 2" PERIMETER TRIM - TYP.
- LEAVE 1/2" JOINT BETWEEN PANELS
- REMOVE WOOD SLAT TO EXTENTS NECESSARY TO INSTALL LINEAR DIFFUSER
- DASHED LINE INDICATES PARTITION ABOVE
- DASHED LINES INDICATE LOCATION OF MANUAL ROLLER SHADE, TYP.
- PROVIDE 6" PERIMETER TRIM
- PAINT FACE OF SOFFIT P-7
- VERIFY HEIGHTS WITH ARCHITECT ON SITE PRIOR TO INSTALLATION - PROVIDE ENOUGH EXCESS CABLE FOR ADJUSTMENTS UP TO 6'-0"
- PROVIDE 2" PERIMETER TRIM
- REFER TO INTERIOR ELEVATIONS FOR SPOT ELEVATIONS OF ANGLED CEILINGS
- PROVIDE WALL ANGLE AT EDGE
- CAST STONE SOFFIT PANELS. JOINTS BETWEEN PANELS ALIGN WITH MULLIONS. REFER TO SECTION 9.11 FOR MORE INFORMATION.
- LIGHT FIXTURE LENGTH INDICATED ON NOTE.
- GYP CEILING TYPICAL AT TRANSITION BETWEEN RADIANT PANEL AND BULKHEAD. SEE CEILING DETAIL FOR MORE INFORMATION.
- COORDINATE LOCATION OF WALL RECESS WITH CEILING AS SHOWN
- PAINT EXPOSED METAL FACE OF SPEAKER GRILLS AND EXPOSED PORTION OF PROJECTOR MOUNT (P-13)
- FLUME HOOD - SHEET METAL ENCLOSURE TO GO UP ABOVE CEILING
- SCIENCE EQUIPMENT - SEE A4.1 FOR MORE INFORMATION
- EMERGENCY SAFETY SHOWER. REFER TO SCIENCE LAB SHEETS
- REFER TO FOOD SERVICE DRAWINGS FOR HOOD LOCATIONS
- EXPOSED GALVANIZED STEEL PLATE - SEE STRUCTURAL. PAINT TO MATCH ADJ. ACM SOFFIT
- MOTORIZED SHADES THIS WALL MOUNTED TO STRUCTURE ABOVE. ALIGN SHADE ENDS WITH MULLIONS. REFER TO TAG FOR QUANTITY OF SHADES ON WALL. REFER TO CEILING DETAILS FOR MOUNTING HEIGHT.
- MOTORIZED SHADE THIS WINDOW MOUNTED TO GYP BD JAMBS. REFER TO CEILING DETAILS FOR MOUNTING HEIGHT.
- RECESSED MOTORIZED PROJECTION SCREEN. REFER TO TECHNOLOGY SHEETS.

CEILING TYPES:

TYPE	DESCRIPTION
0	EXPOSED METAL STRUCTURE
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	2X2 ACOUSTICAL PANEL SYSTEM
3	5/8" PERFORATED PAINTED ACOUSTICAL GYP BOARD ON METAL FRAMING - 12" ACOUSTICAL BATT INSUL ABOVE CEILING
4	4X4 ACOUSTICAL PANEL CEILING SYSTEM
5	WOOD SLAT CEILING
6	WOOD VENEER PANEL CEILING
7	2X2 VINYL FACE GYP BD CEILING
8	ACM SOFFIT SYSTEM COLOR 1 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION
9	NOT USED
10	PAINTED EXPOSED METAL STRUCTURE (P-2)
11	ACM SOFFIT SYSTEM COLOR 2 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION



1 LEVEL 1 RCP - WEST
 1/8" = 1'-0"





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 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:
1		

SHEET TITLE:
LEVEL 1 REFLECTED CEILING PLAN - EAST

SHEET NUMBER:

A2.12

9/18/2015 9:30:02 AM

RCP SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- CEILING TYPE
- CEILING ELEVATION A.F.F.
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- LINEAR WOOD SLAT CEILING SYSTEM
- WOOD PANEL CEILING
- ROLLER SHADE - MANUAL U.O.
- RADIANT CEILING PANELS - REFER TO MECHANICAL DWGS
- TRACK LIGHTING
- RECESSED 2'x2' FLUORESCENT FIXTURE
- SURFACE MOUNT FLUORESCENT LIGHT LINEAR FIXTURE
- SURFACE LIGHT MOUNT FIXTURE
- RECESSED DOWN LIGHT
- RECESSED SQUARE DOWN LIGHT
- PENDANT MOUNT LIGHT
- PENDANT LIGHT MOUNT LINEAR FIXTURE
- SPRINKLER HEAD - SHOWN IN SOME LOCATIONS FOR COORDINATION. REFER TO FIRE PROTECTION DRAWINGS FOR MORE INFORMATION
- PENDANT LIGHT HUNG FLUORESCENT STRIP FIXTURE
- RECESSED LIGHT LINEAR FLUORESCENT FIXTURE
- PULL DOWN WALL MOUNTED PROJECTION SCREEN - U.O.
- CEILING MOUNTED PROJECTOR - O.F.C.I.
- EXIT SIGN
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- VACANCY SENSOR
- CONTROL JOINT
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- LINEAR DIFFUSER - SUPPLY/RETURN

RCP GENERAL NOTES:

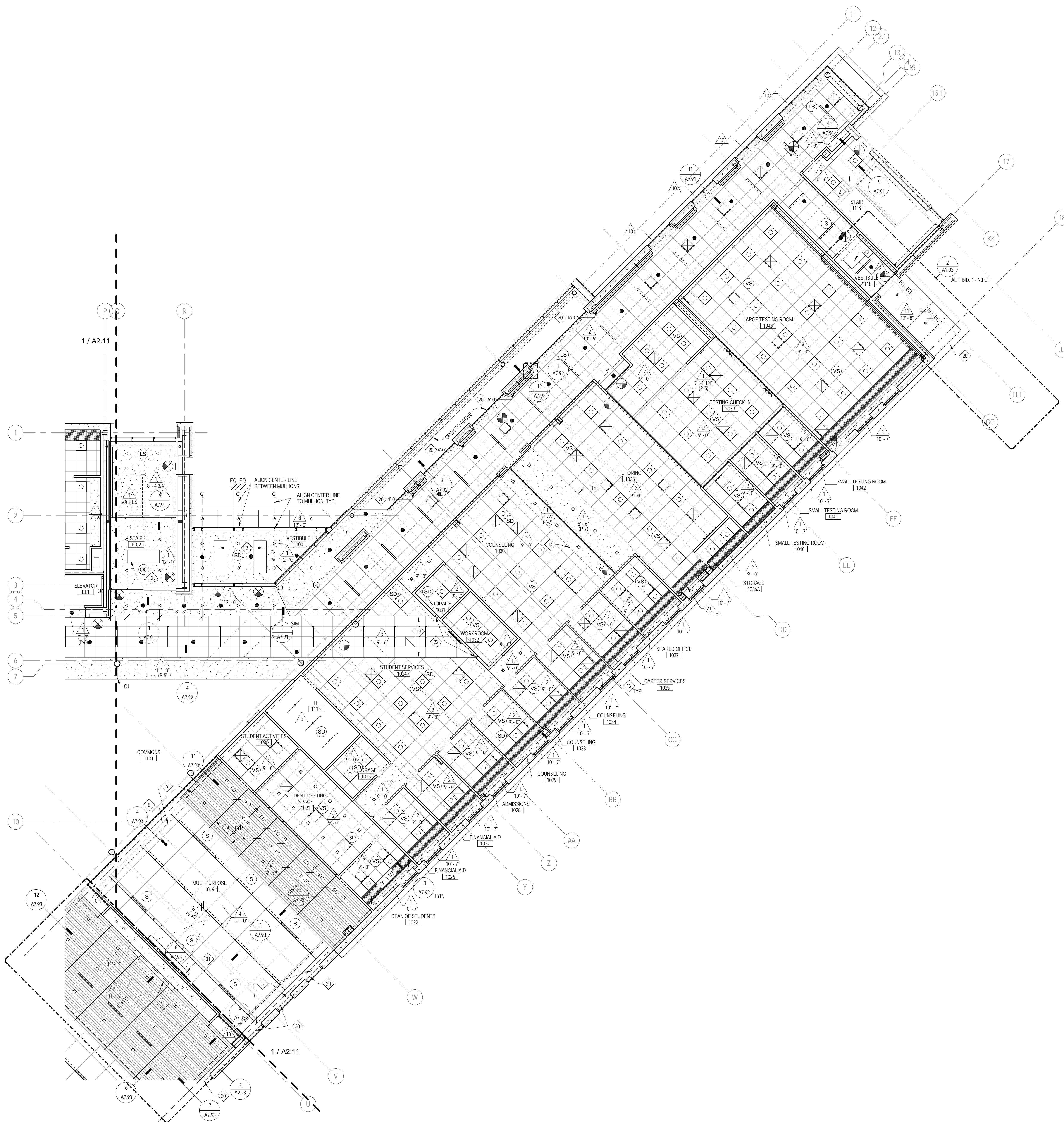
1. ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATING, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
2. CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO).
3. CENTER ALL SPRINKLER HEADS IN CEILING TILES.
4. ALL GYP. BD. CEILINGS TO BE PAINTED P-2 UNLESS OTHERWISE NOTED ON PLANS.
5. EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS TO FINISHED CEILING ABOVE UNO.
6. EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE UNO.
7. REFER TO A791 FOR TYPICAL SAT TO GYP. BD. AND GYP. BD. TO GYP. BD. CEILING TRANSITIONS.
8. ALL SPRINKLER HEADS, SPEAKERS, AND GRILLS IN GYP. BD. CEILINGS PAINTED A COLOR OTHER THAN P-2 SHOULD BE PAINTED TO MATCH ADJACENT CEILING COLOR.

RCP REFERENCED NOTES:

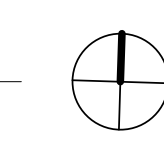
1. ROLLER SHADES AT THESE WINDOWS ARE BLACKOUT SHADES.
2. CABINET UNIT HEATER - REFER TO MECHANICAL DWGS.
3. ROLLER SHADES IN THIS ROOM ARE MOTORIZED.
4. RECESSED TRACK FOR RETRACTABLE SECURITY GATE.
5. 3/4" DIA. STEEL ROD STRUCTURE SUSPENDED FROM STRUCTURE ABOVE. REFER TO STRUCTURAL DRAWINGS. BOTTOM OF RODS AT 8'-6" A.F.F.
6. HEAVY DASHED LINE INDICATES FACE OF GYP. BD. BULKHEAD ABOVE.
7. JOINT IN ACM CANOPY.
8. PROVIDE 2" PERIMETER TRIM - TYP.
9. LEAVE 1/2" JOINT BETWEEN PANELS.
10. REMOVE WOOD SLAT TO EXTENTS NECESSARY TO INSTALL LINEAR DIFFUSER.
11. DASHED LINE INDICATES PARTITION ABOVE.
12. DASHED LINES INDICATE LOCATION OF MANUAL ROLLER SHADE, TYP.
13. PROVIDE 4" PERIMETER TRIM.
14. PAINT FACE OF SOFFIT P-7.
15. VERIFY HEIGHTS WITH ARCHITECT ON SITE PRIOR TO INSTALLATION - PROVIDE ENOUGH EXCESS CABLE FOR ADJUSTMENTS UP TO 10" IF.
16. PROVIDE 2" PERIMETER TRIM.
17. REFER TO INTERIOR ELEVATIONS FOR SPOT ELEVATIONS OF ANGLED CEILINGS.
18. PROVIDE WALL ANGLES AT EDGE.
19. CAST STONE SOFFIT PANELS. JOINTS BETWEEN PANELS ALIGN WITH MULLIONS. REFER TO SECTION DETAIL FOR MORE INFORMATION.
20. LIGHT FIXTURE LENGTH INDICATED ON NOTE.
21. GYP. CEILING TYPICAL AT TRANSITION BETWEEN RADIANT PANEL AND BULKHEAD. SEE CEILING DETAIL FOR MORE INFORMATION.
22. COORDINATE LOCATION OF WALL RECESS WITH CEILING AS SHOWN.
23. PAINT EXPOSED METAL FACE OF SPEAKER GRILLS AND EXPOSED PORTION OF PROJECTOR MOUNT (P-13).
24. FLUME HOOD - SHEET METAL ENCLOSURE TO GO UP ABOVE CEILING.
25. SCIENCE EQUIPMENT - SEE A811 FOR MORE INFORMATION.
26. EMERGENCY SAFETY SHOWER REFER TO SCIENCE LAB SHEETS.
27. REFER TO FOOD SERVICE DRAWINGS FOR HOOD LOCATIONS.
28. EXPOSED GALVANIZED STEEL PLATE. SEE STRUCTURAL. PAINT TO MATCH ADJ. ACM SOFFIT.
29. MOTORIZED SHADES THIS WALL MOUNTED TO STRUCTURE ABOVE. ALIGN SHADE ENDS WITH MULLIONS. REFER TO TAG FOR QUANTITY OF SHADES ON WALL. REFER TO CEILING DETAILS FOR MORE INFORMATION.
30. MOTORIZED SHADE THIS WINDOW MOUNTED TO GYP. BD. JAMBS. REFER TO CEILING DETAILS FOR MOUNTING HEIGHT.
31. RECESSED MOTORIZED PROJECTION SCREEN. REFER TO TECHNOLOGY SHEETS.

CEILING TYPES:

TYPE	DESCRIPTION
0	EXPOSED METAL STRUCTURE
1	1/2" PAINTED GYP. BOARD ON METAL FRAMING
2	2'x2' ACOUSTICAL PANEL SYSTEM
3	5/8" PERFORATED PAINTED ACOUSTICAL GYP. BOARD ON METAL FRAMING - 12" ACOUSTICAL BATT INSUL ABOVE CEILING
4	4'x4' ACOUSTICAL PANEL CEILING SYSTEM
5	WOOD SLAT CEILING
6	WOOD VENEER PANEL CEILING
7	2'x2' VINYL FACE GYP. BD. CEILING
8	ACM SOFFIT SYSTEM COLOR 1 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION.
9	NOT USED
10	PAINTED EXPOSED METAL STRUCTURE (P-2)
11	ACM SOFFIT SYSTEM COLOR 2 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION.



1 LEVEL 1 RCP - EAST
 1/8" = 1'-0"





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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**LEVEL 2
 REFLECTED
 CEILING PLAN - WEST**

SHEET NUMBER:

A2.21

9/18/2015 9:30:14 AM

RCP SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- CEILING TYPE
- CEILING ELEVATION A.F.F.
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- LINEAR WOOD SLAT CEILING SYSTEM
- WOOD PANEL CEILING
- ROLLER SHADE - MANUAL U.N.O.
- RADIANT CEILING PANELS - REFER TO MECHANICAL DWGS
- TRACK LIGHTING
- RECESSED 2X2 FLUORESCENT FIXTURE
- SURFACE MOUNT FLUORESCENT LIGHT LINEAR FIXTURE
- SURFACE LIGHT MOUNT FIXTURE
- RECESSED DOWN LIGHT
- RECESSED SQUARE DOWN LIGHT
- PENDANT MOUNT LIGHT
- PENDANT LIGHT MOUNT LINEAR FIXTURE
- SPRINKLER HEAD - SHOWN IN SOME LOCATIONS FOR COORDINATION REFER TO FIRE PROTECTION DRAWINGS FOR MORE INFORMATION
- PENDANT LIGHT HUNG FLUORESCENT STRIP FIXTURE
- RECESSED LIGHT LINEAR FLUORESCENT FIXTURE
- PULL DOWN WALL MOUNTED PROJECTION SCREEN - U.N.O.
- CEILING MOUNTED PROJECTOR - O.F.C.I.
- EXIT SIGN
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- VACANCY SENSOR
- CONTROL JOINT
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- LINEAR DIFFUSER - SUPPLY/RETURN

RCP GENERAL NOTES:

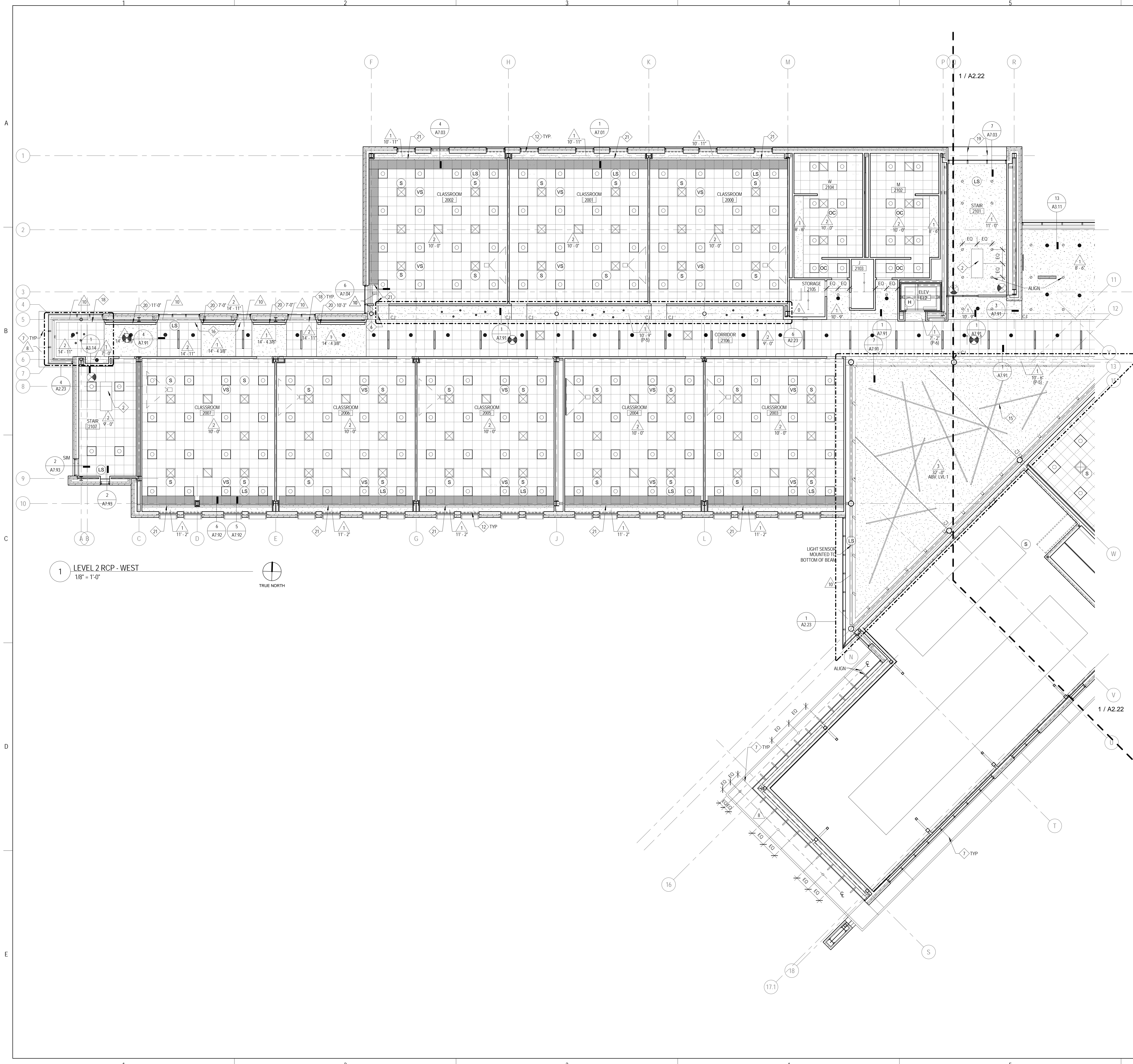
1. ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
2. CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO).
3. CENTER ALL SPRINKLER HEADS IN CEILING TILES.
4. ALL GYP. BD. CEILINGS TO BE PAINTED P-2 UNLESS OTHERWISE NOTED ON PLANS
5. EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS TO FINISHED CEILING ABOVE U.N.O.
6. EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
7. REFER TO A791 FOR TYPICAL SAT TO GYP. BD. AND GYP. BD. TO GYP. BD. CEILING TRANSITIONS
8. ALL SPRINKLER HEADS, SPEAKERS, AND GRILLS IN GYP. BD. CEILINGS PAINTED A COLOR OTHER THAN P-2 SHOULD BE PAINTED TO MATCH ADJACENT CEILING COLOR

RCP REFERENCED NOTES:

1. ROLLER SHADES AT THESE WINDOWS ARE BLACKOUT SHADES.
2. CABINET UNIT HEATER - REFER TO MECHANICAL DWGS
3. ROLLER SHADES IN THIS ROOM ARE MOTORIZED
4. RECESSED TRACK FOR RETRACTIBLE SECURITY GATE
5. 3/4" DIA. STEEL ROD STRUCTURE SUSPENDED FROM STRUCTURE ABOVE. REFER TO STRUCTURAL DRAWINGS. BOTTOM OF RODS AT -8'-6" A.F.F.
6. HEAVY DASHED LINE INDICATES FACE OF GYP BD BULKHEAD ABOVE
7. JOINT IN ACM CANOPY
8. PROVIDE 2" PERIMETER TRIM - TYP
9. LEAVE 1/2" JOINT BETWEEN PANELS
10. REMOVE WOOD SLAT TO EXTENTS NECESSARY TO INSTALL LINEAR DIFFUSER
11. DASHED LINE INDICATES PARTITION ABOVE
12. DASHED LINES INDICATE LOCATION OF MANUAL ROLLER SHADE. TYP
13. PROVIDE 6" PERIMETER TRIM
14. PAINT FACE OF SOFFIT P-2
15. VERIFY HEIGHTS WITH ARCHITECT ON SITE PRIOR TO INSTALLATION - PROVIDE ENOUGH EXCESS TABLE FOR ADJUSTMENTS UP TO 6'-0"
16. PROVIDE 2" PERIMETER TRIM
17. REFER TO INTERIOR ELEVATIONS FOR SPOT ELEVATIONS OF ANGLED CEILINGS
18. PROVIDE WALL ANGLE AT EDGE
19. CAST STONE SOFFIT PANELS. JOINTS BETWEEN PANELS ALIGN WITH MULLIONS. REFER TO SECTION DETAIL FOR MORE INFORMATION.
20. LIGHT FIXTURE. LENGTH INDICATED ON NOTE
21. GYP CEILING TYPICAL AT TRANSITION BETWEEN RADIANT PANEL AND BULKHEAD. SEE CEILING DETAIL FOR MORE INFORMATION.
22. COORDINATE LOCATION OF WALL RECESS WITH CEILING AS SHOWN
23. PAINT EXPOSED METAL FACE OF SPEAKER GRILLS AND EXPOSED PORTION OF PROJECTOR MOUNT (P-10)
24. FUME HOOD - SHEET METAL ENCLOSURE TO GO UP ABOVE CEILING
25. SCIENCE EQUIPMENT - SEE A811 FOR MORE INFORMATION
26. EMERGENCY SAFETY SHOWER. REFER TO SCIENCE LAB SHEETS
27. REFER TO FOOD SERVICE DRAWINGS FOR HOOD LOCATIONS
28. EXPOSED GALVANIZED STEEL PLATE. SEE STRUCTURAL. PAINT TO MATCH ADJ. ACM SOFFIT
29. MOTORIZED SHADES THIS WALL MOUNTED TO STRUCTURE ABOVE. ALIGN SHADE ENDS WITH MULLIONS. REFER TO TAG FOR QUANTITY OF SHADES ON WALL. REFER TO CEILING DETAILS FOR MORE INFORMATION
30. MOTORIZED SHADE THIS WINDOW MOUNTED TO GYP BD JAMBS. REFER TO CEILING DETAILS FOR MOUNTING HEIGHT
31. PULL DOWN WALL MOUNTED PROJECTION SCREEN. REFER TO TECHNOLOGY SHEETS

CEILING TYPES:

TYPE	DESCRIPTION
0	EXPOSED METAL STRUCTURE
1	1/2" PAINTED GYP BOARD ON METAL FRAMING
2	2X2 ACOUSTICAL PANEL SYSTEM
3	5/8" PERFORATED PAINTED ACOUSTICAL GYP BOARD ON METAL FRAMING - 12" ACOUSTICAL BATT INSUL ABOVE CEILING
4	4X4 ACOUSTICAL PANEL CEILING SYSTEM
5	WOOD SLAT CEILING
6	WOOD VENEER PANEL CEILING
7	2X2 VINYL FACE GYP BD CEILING
8	ACM SOFFIT SYSTEM COLOR 1 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION
9	NOT USED
10	PAINTED EXPOSED METAL STRUCTURE (P-2)
11	ACM SOFFIT SYSTEM COLOR 2 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION



1 LEVEL 2 RCP - WEST
 1/8" = 1'-0"





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FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
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 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO. DESCRIPTION: DATE:

SHEET TITLE:

LEVEL 2 REFLECTED CEILING PLAN - EAST

SHEET NUMBER:

A2.22

9/18/2015 9:30:31 AM

RCP SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

- CEILING TYPE
- CEILING ELEVATION A.F.F.
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- LINEAR WOOD SLAT CEILING SYSTEM
- WOOD PANEL CEILING
- ROLLER SHADE - MANUAL U.O.
- RADIANT CEILING PANELS - REFER TO MECHANICAL DWGS
- TRACK LIGHTING
- RECESSED 2x2 FLUORESCENT FIXTURE
- SURFACE MOUNT FLUORESCENT LIGHT LINEAR FIXTURE
- SURFACE LIGHT MOUNT FIXTURE
- RECESSED DOWN LIGHT
- RECESSED SQUARE DOWN LIGHT
- PENDANT MOUNT LIGHT
- PENDANT LIGHT MOUNT LINEAR FIXTURE
- RECESSED LIGHT LINEAR FLUORESCENT FIXTURE
- PULL DOWN WALL MOUNTED PROJECTION SCREEN - U.O.
- CEILING MOUNTED PROJECTOR - O.F.C.I.
- EXIT SIGN
- SMOKE DETECTOR
- FIRE ALARM DEVICE
- SPEAKER
- CLOSED CIRCUIT CAMERA
- OCCUPANT SENSOR
- WIRELESS ACCESS POINT
- LIGHT SENSOR
- VACANCY SENSOR
- CONTROL JOINT
- RETURN AIR GRILLE
- SUPPLY AIR GRILLE
- LINEAR DIFFUSER - SUPPLY/RETURN

RCP GENERAL NOTES:

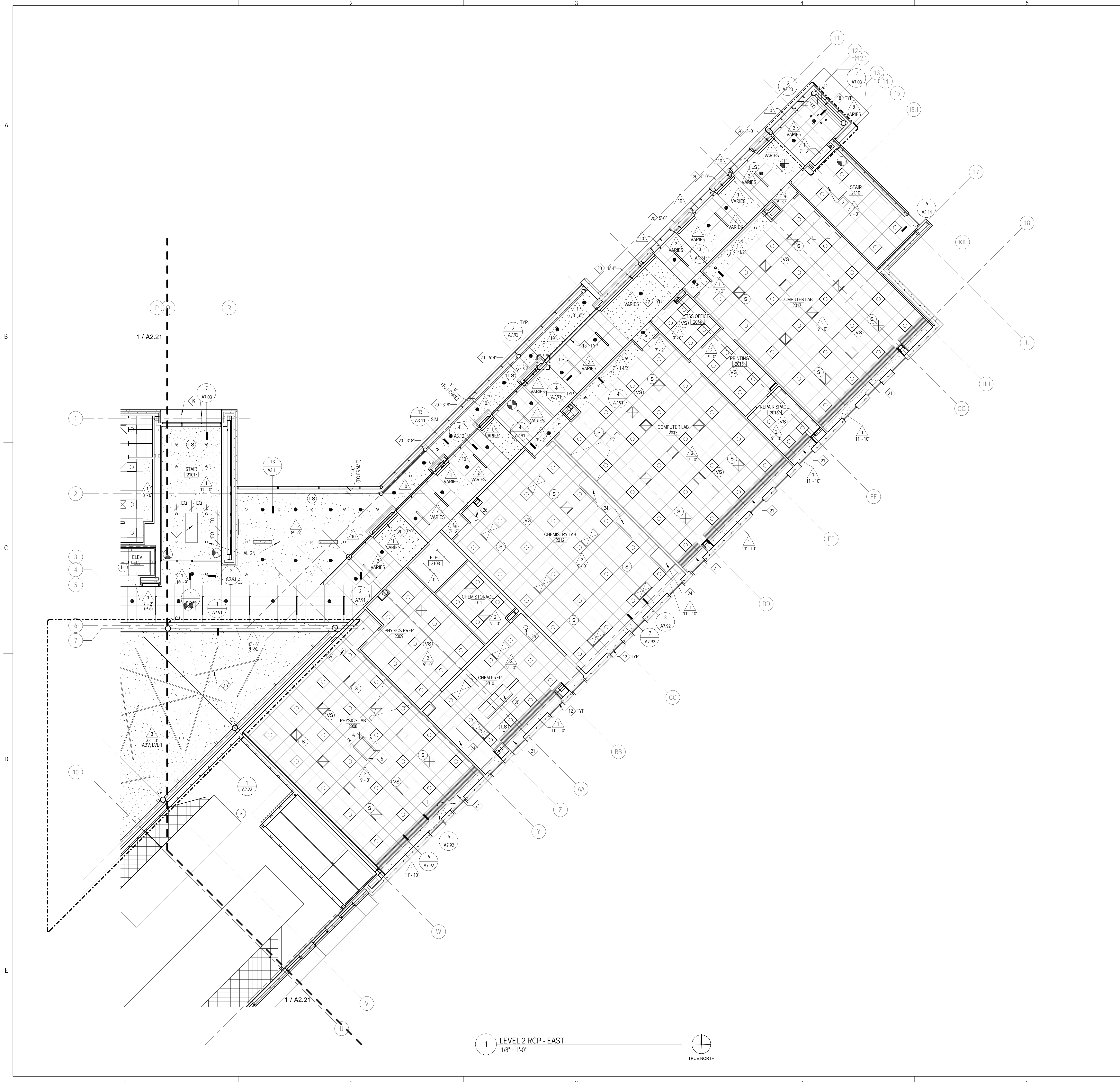
1. ALL HEATING, VENTILATION, ELECTRICAL, PLUMBING, AND FIRE PROTECTION ITEMS ARE SHOWN ON ARCHITECTURAL REFLECTED CEILING PLANS FOR REFERENCE AND COORDINATION ONLY. REFER TO HEATING, VENTILATION, AND FIRE PROTECTION DRAWINGS FOR ACTUAL QUANTITIES. IN CASE OF CONFLICT THE ARCHITECTURAL REFLECTED CEILING PLAN SHALL GOVERN LOCATION OF THESE ITEMS.
2. CENTER ALL FIXTURES ON CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (UNO).
3. CENTER ALL SPRINKLER HEADS IN CEILING TILES.
4. ALL GYP. BD. CEILINGS TO BE PAINTED P-2 UNLESS OTHERWISE NOTED ON PLANS.
5. EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS TO FINISHED CEILING ABOVE U.O.
6. EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE U.O.
7. REFER TO A7/91 FOR TYPICAL SAT TO GYP. BD. AND GYP. BD. TO GYP. BD. CEILING TRANSITIONS.
8. ALL SPRINKLER HEADS, SPEAKERS, AND GRILLS IN GYP. BD. CEILINGS PAINTED A COLOR OTHER THAN P-2 SHOULD BE PAINTED TO MATCH ADJACENT CEILING COLOR.

RCP REFERENCED NOTES:

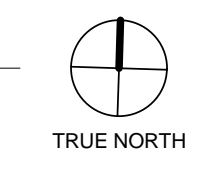
1. ROLLER SHADES AT THESE WINDOWS ARE BLACKOUT SHADES.
2. CABINET UNIT HEATER - REFER TO MECHANICAL DWGS
3. ROLLER SHADES IN THIS ROOM ARE MOTORIZED
4. RECESSED TRACK FOR RETRACTABLE SECURITY GATE
5. 3/4" DIA. STEEL ROD STRUCTURE SUSPENDED FROM STRUCTURE ABOVE. REFER TO STRUCTURAL DRAWINGS. BOTTOM OF RODS AT -8'-6" A.F.F.
6. HEAVY DASHED LINE INDICATES FACE OF GYP BD BULKHEAD ABOVE
7. JOINT IN ACM CANOPY
8. PROVIDE 2" PERIMETER TRIM - TYP.
9. LEAVE 1/2" JOINT BETWEEN PANELS
10. REMOVE WOOD SLAT TO EXTENTS NECESSARY TO INSTALL LINEAR DIFFUSER
11. DASHED LINE INDICATES PARTITION ABOVE
12. DASHED LINES INDICATE LOCATION OF MANUAL ROLLER SHADE. TYP.
13. PROVIDE 6" PERIMETER TRIM
14. PAINT FACE OF SOFFIT P-7
15. VERIFY HEIGHTS WITH ARCHITECT ON SITE PRIOR TO INSTALLATION - PROVIDE ENOUGH EXCESS CABLE FOR ADJUSTMENTS UP TO 4'-0"
16. PROVIDE 2" PERIMETER TRIM
17. REFER TO INTERIOR ELEVATIONS FOR SPOT ELEVATIONS OF ANGLED CEILINGS
18. PROVIDE WALL ANGLE AT EDGE
19. CAST STONE SOFFIT PANELS. JOINTS BETWEEN PANELS ALIGN WITH MULLIONS. REFER TO SECTION DETAIL FOR MORE INFORMATION.
20. LIGHT FIXTURE LENGTH INDICATED ON NOTE.
21. GYP CEILING TYPICAL AT TRANSITION BETWEEN RADIANT PANEL AND BULKHEAD. SEE CEILING DETAIL FOR MORE INFORMATION.
22. COORDINATE LOCATION OF WALL RECESS WITH CEILING AS SHOWN
23. PAINT EXPOSED METAL FACE OF SPEAKER GRILLS AND EXPOSED PORTION OF PROJECTOR MOUNT (P-13)
24. FLAME HOOD - SHEET METAL ENCLOSURE TO GO UP ABOVE CEILING
25. SCIENCE EQUIPMENT - SEE A8/11 FOR MORE INFORMATION
26. EMERGENCY SAFETY SHOWER - REFER TO SCIENCE LAB SHEETS
27. REFER TO FOOD SERVICE DRAWINGS FOR HOOD LOCATIONS
28. EXPOSED GALVANIZED STEEL PLATE. SEE STRUCTURAL PAINT TO MATCH ADJ. ACM SOFFIT
29. MOTORIZED SHADES THIS WALL MOUNTED TO STRUCTURE ABOVE. ALIGN SHADE ENDS WITH MULLIONS. REFER TO TAG FOR QUANTITY OF SHADES ON WALL. REFER TO CEILING DETAILS FOR MORE INFORMATION.
30. MOTORIZED SHADE THIS WINDOW MOUNTED TO GYP BD. JAMBS. REFER TO CEILING DETAILS FOR MOUNTING HEIGHT.
31. REFER TO TECHNOLOGY DRAWINGS FOR PROJECTION SCREEN. REFER TO TECHNOLOGY SHEETS.

CEILING TYPES:

TYPE	DESCRIPTION
0	EXPOSED METAL STRUCTURE
1	12" PAINTED GYP BOARD ON METAL FRAMING
2	2X2 ACOUSTICAL PANEL SYSTEM
3	5/8" PERFORATED PAINTED ACOUSTICAL GYP BOARD ON METAL FRAMING - 12" ACOUSTICAL BATT INSUL ABOVE CEILING
4	4X4 ACOUSTICAL PANEL CEILING SYSTEM
5	WOOD SLAT CEILING
6	WOOD VENEER PANEL CEILING
7	2X2 VINYL FACE GYP BD CEILING
8	ACM SOFFIT SYSTEM COLOR 1 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION
9	NOT USED
10	PAINTED EXPOSED METAL STRUCTURE (P-2)
11	ACM SOFFIT SYSTEM COLOR 2 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION



1 LEVEL 2 RCP - EAST
 1/8" = 1'-0"





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CONSTRUCTION MANAGER
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 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/18/2015
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION	DATE
1		

SHEET TITLE:
**ENLARGED
 REFLECTED CEILING
 PLANS**

SHEET NUMBER:

A2.23

9/18/2015 9:31:02 AM

RCP SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS

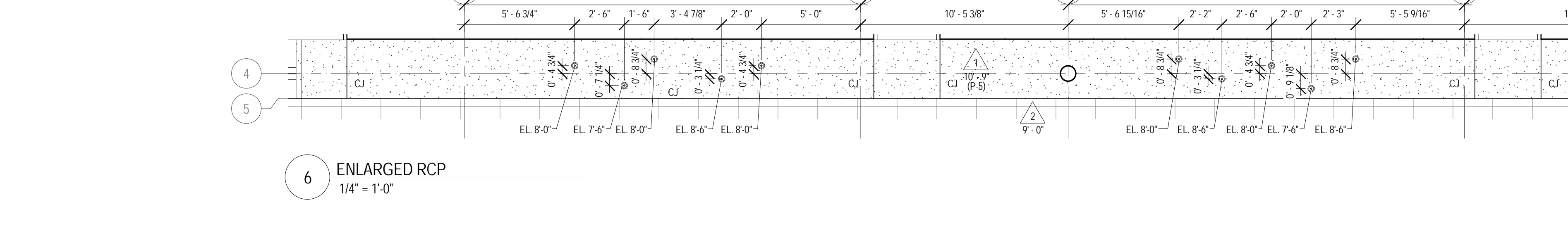
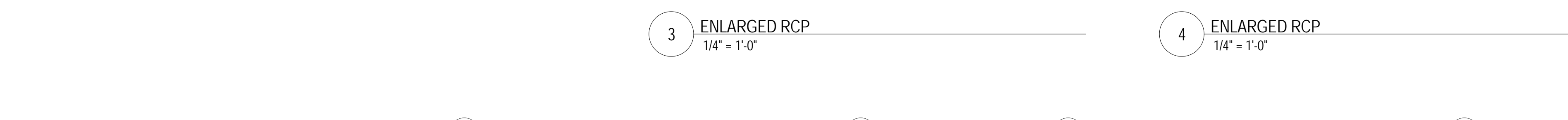
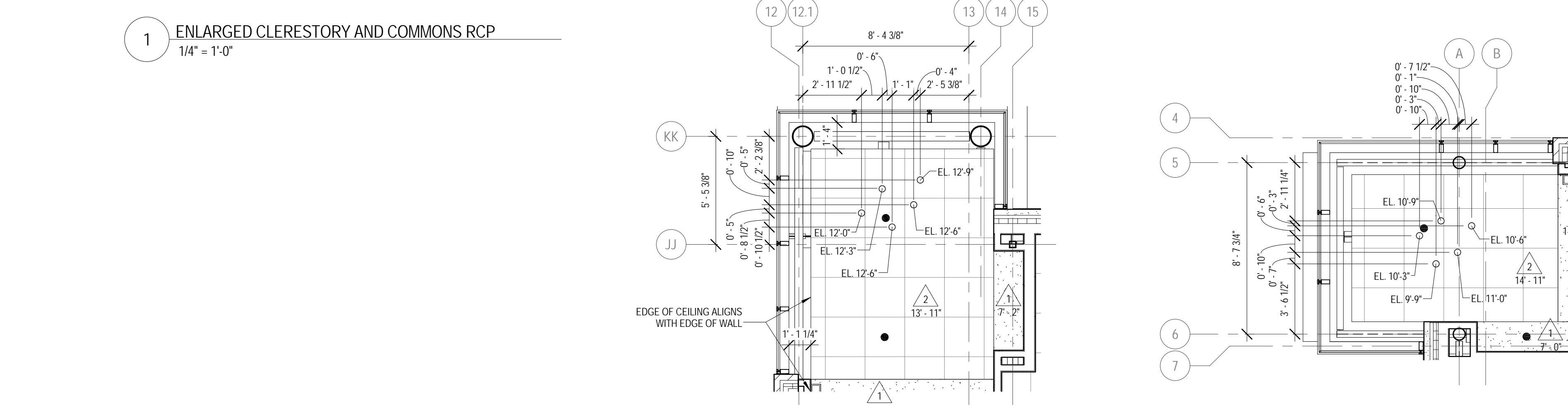
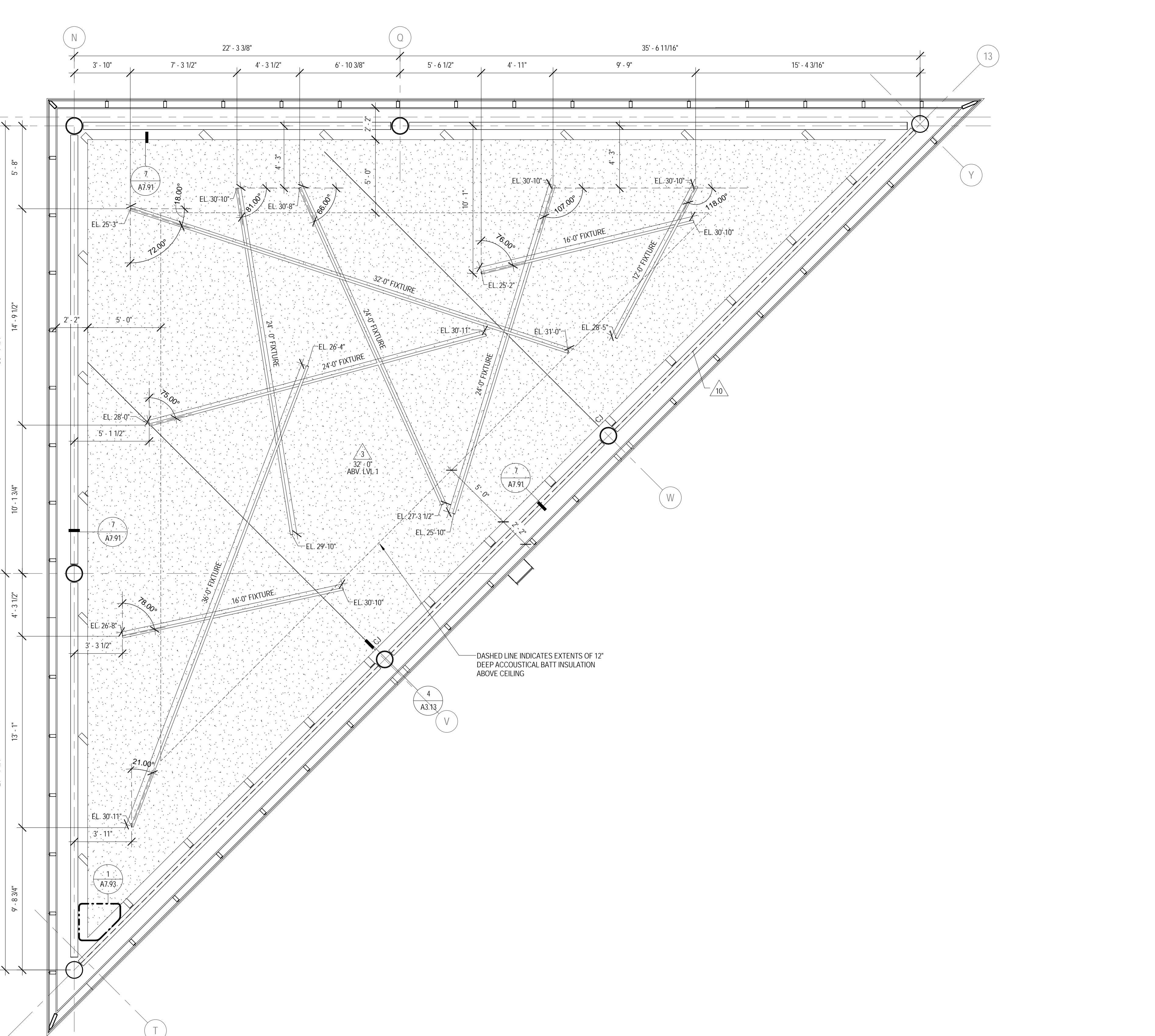
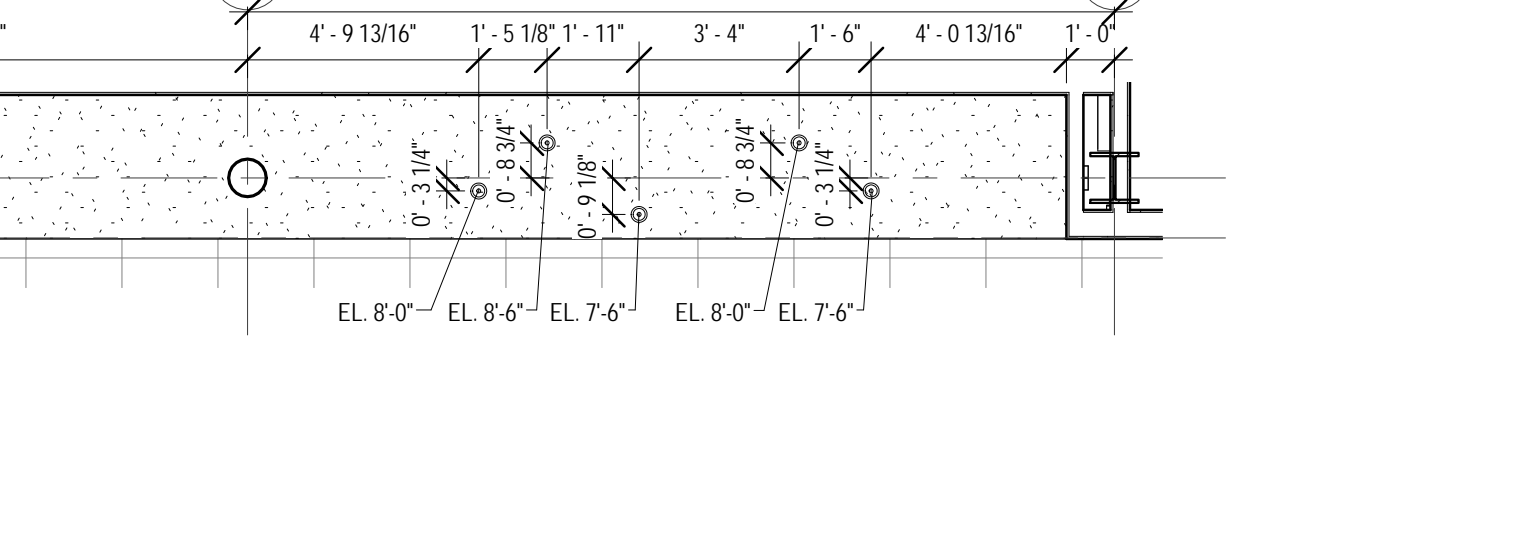
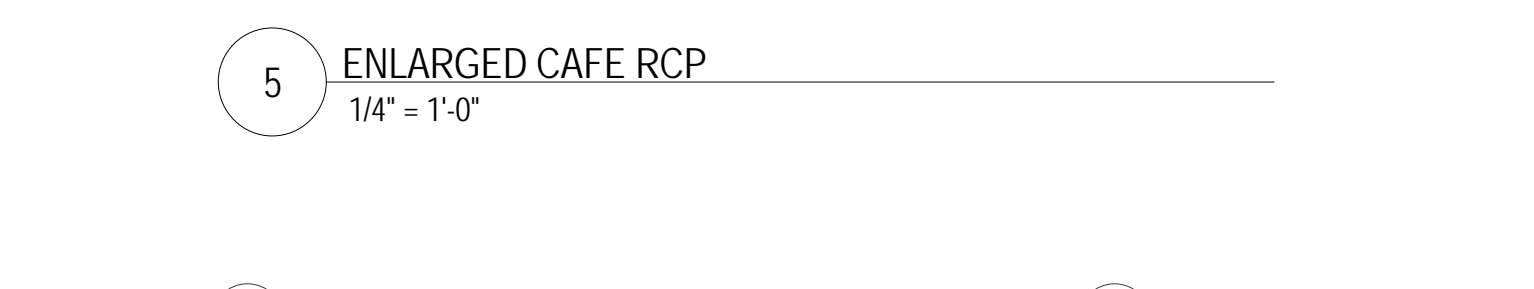
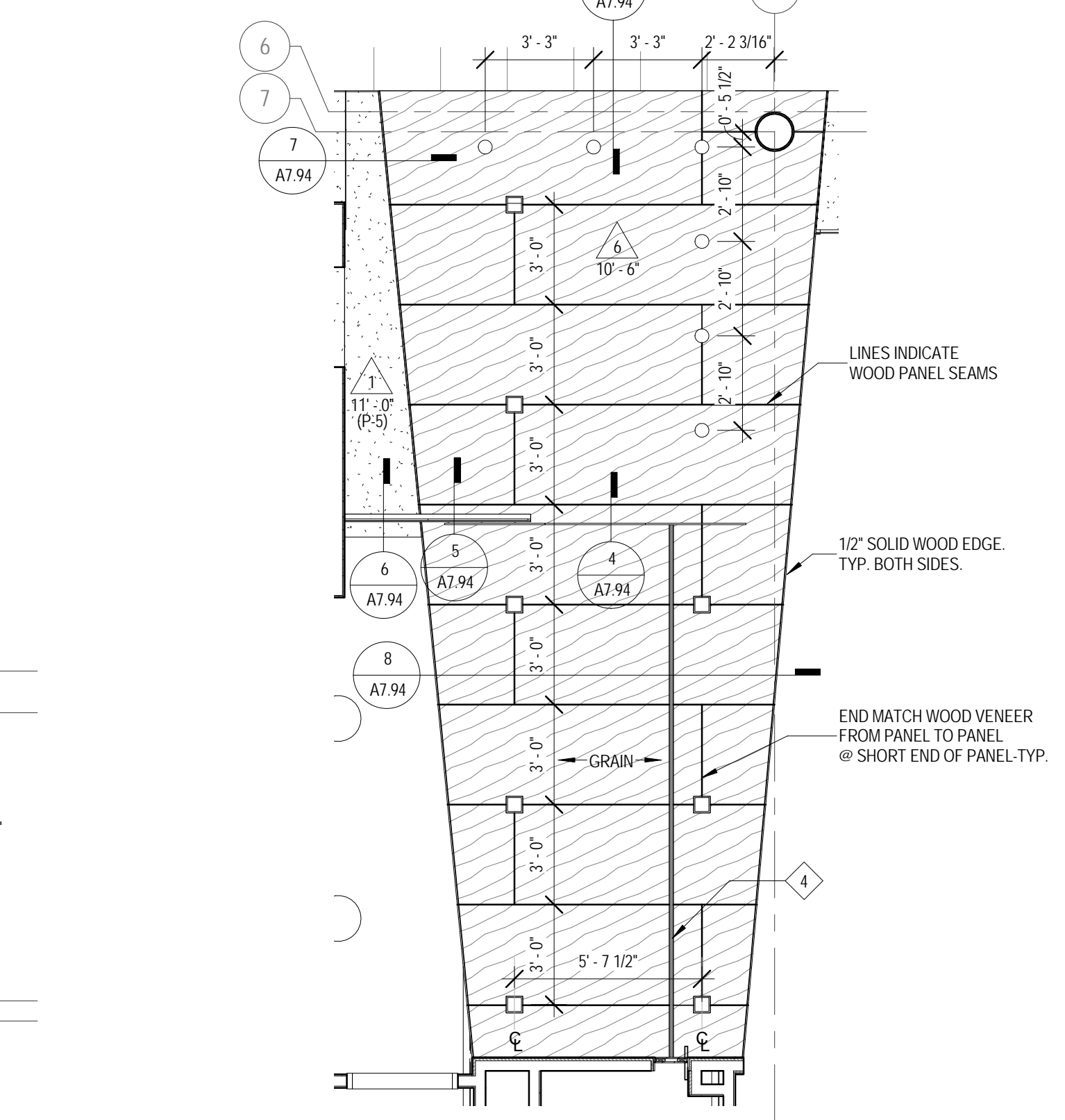
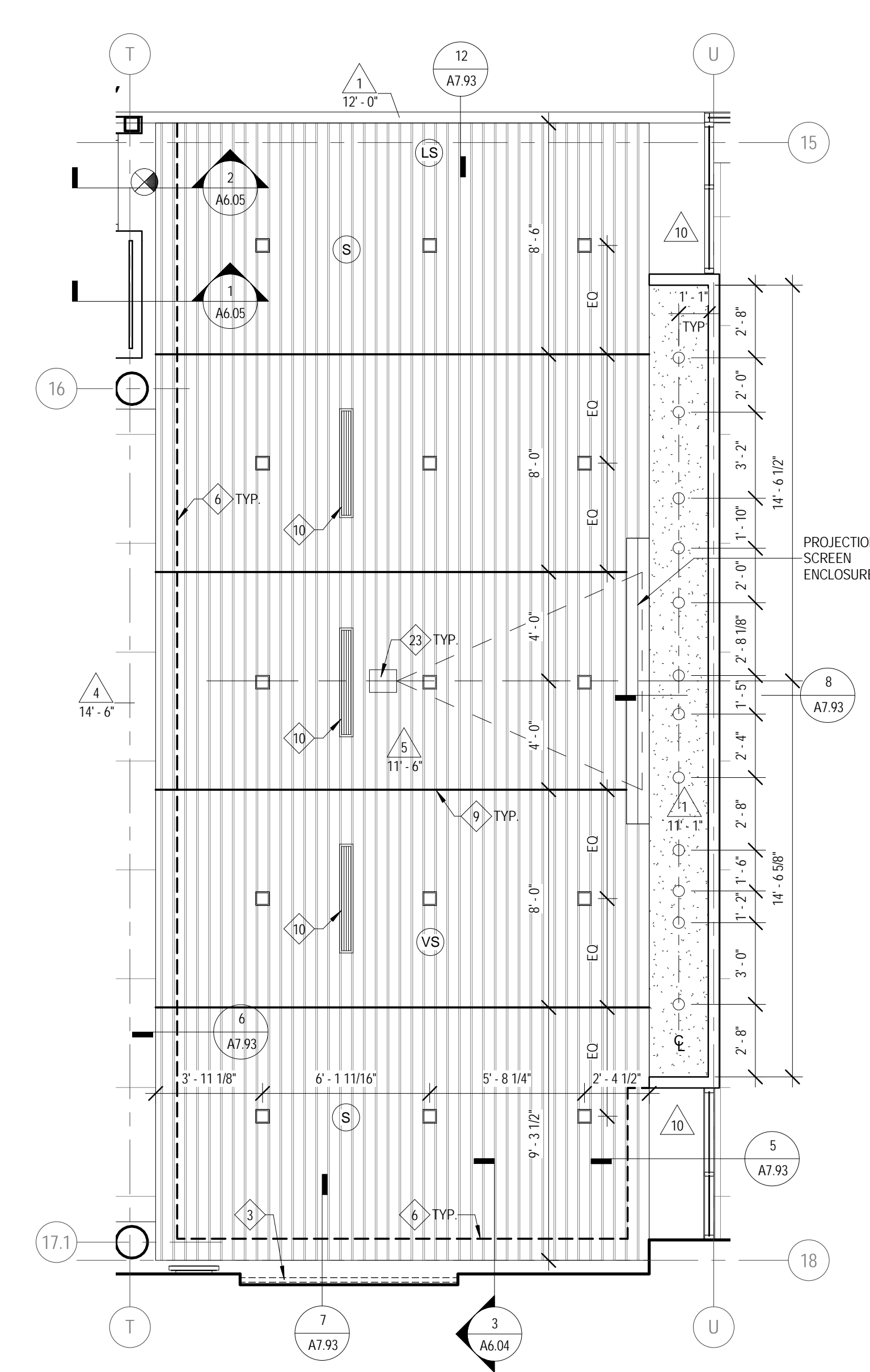
- CEILING TYPE
- CEILING ELEVATION A.F.F.
- SUSPENDED ACOUSTICAL TILE CEILING
- GYPSUM BOARD CEILING OR SOFFIT
- LINEAR WOOD SLAT CEILING SYSTEM
- WOOD PANEL CEILING
- ROLLER SHADE - MANUAL U.N.O.
- RADIANT CEILING PANELS - REFER TO MECHANICAL DWGS
- TRACK LIGHTING
- RECESSED 2x2 FLUORESCENT FIXTURE
- SURFACE MOUNT FLUORESCENT LIGHT LINEAR FIXTURE
- SURFACE LIGHT MOUNT FIXTURE
- RECESSED DOWN LIGHT
- RECESSED SQUARE DOWN LIGHT
- PENDANT MOUNT LIGHT
- PENDANT LIGHT MOUNT LINEAR FIXTURE
- SPRINKLER HEAD - SHOWN IN SOME LOCATIONS FOR COORDINATION. REFER TO FIRE PROTECTION DRAWINGS FOR MORE INFORMATION
- PENDANT LIGHT HUNG FLUORESCENT STRIP FIXTURE
- RECESSED LIGHT LINEAR FLUORESCENT FIXTURE
- PULL DOWN WALL MOUNTED PROJECTION SCREEN - U.N.O.
- CEILING MOUNTED PROJECTOR - O.F.C.I.
- EXIT SIGN
- SMOKE DETECTOR
- FIRE ALARM DEVICE
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- SUPPLY AIR GRILLE
- LINEAR DIFFUSER - SUPPLY/RETURN

- ### RCP GENERAL NOTES:
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 - CENTER ALL FIXTURES IN CEILING TILES AND FIELD VERIFY GRID LAYOUT FOR PROPER FIXTURE LOCATION. ALIGN ALL FIXTURES IN BOTH DIRECTIONS OF CEILING TILE (U.N.O).
 - CENTER ALL SPRINKLER HEADS IN CEILING TILES.
 - ALL GYP. BD. CEILINGS TO BE PAINTED P-2 UNLESS OTHERWISE NOTED ON PLANS.
 - EXTEND FACE OF ALL GYP. BD. SOFFITS AND HEADERS 6" MIN. BEYOND FINISHED CEILING ABOVE U.N.O.
 - REFER TO A7.91 FOR TYPICAL SAT TO GYP. BD. AND GYP. BD. TO GYP. BD. CEILING TRANSITIONS.
 - ALL SPRINKLER HEADS, SPEAKERS, AND GRILLS IN GYP. BD. CEILINGS PAINTED A COLOR OTHER THAN P-2 SHOULD BE PAINTED TO MATCH ADJACENT CEILING COLOR.

- ### RCP REFERENCED NOTES:
- ROLLER SHADES AT THESE WINDOWS ARE BLACKOUT SHADES.
 - CABINET UNIT HEATER - REFER TO MECHANICAL DWGS
 - ROLLER SHADES IN THIS ROOM ARE MOTORIZED
 - RECESSED TRACK FOR RETRACTABLE SECURITY GATE
 - 3/4" DIA. STEEL ROD STRUCTURE SUSPENDED FROM STRUCTURE ABOVE. REFER TO STRUCTURAL DRAWINGS. BOTTOM OF RODS AT 18'-6" A.F.F.
 - HEAVY DASHED LINE INDICATES FACE OF GYP. BD. BULKHEAD ABOVE
 - JOINT IN ACM CANOPY
 - PROVIDE 2" PERIMETER TRIM - TYP.
 - LEAVE 1/2" JOINT BETWEEN PANELS
 - REMOVE WOOD SLAT TO EXTENTS NECESSARY TO INSTALL LINEAR DIFFUSER
 - DASHED LINE INDICATES PARTITION ABOVE
 - DASHED LINES INDICATE LOCATION OF MANUAL ROLLER SHADE, TYP.
 - PROVIDE 4" PERIMETER TRIM
 - PAINT FACE OF SOFFIT P-7
 - VERIFY HEIGHTS WITH ARCHITECT ON SITE PRIOR TO INSTALLATION - PROVIDE ENOUGH EXCESS CABLE FOR ADJUSTMENTS UP TO 6"
 - PROVIDE 2" PERIMETER TRIM
 - REFER TO INTERIOR ELEVATIONS FOR SPOT ELEVATIONS OF ANGLED CEILINGS
 - PROVIDE WALL ANGLE AT EDGE
 - CAST STONE SOFFIT PANELS. JOINTS BETWEEN PANELS ALIGN WITH MULLIONS. REFER TO SECTION DETAIL FOR MORE INFORMATION
 - LIGHT FIXTURE. LENGTH INDICATED ON NOTE
 - GYP. CEILING TYPICAL AT TRANSITION BETWEEN RADIANT PANEL AND BULKHEAD. SEE CEILING DETAIL FOR MORE INFORMATION.
 - COORDINATE LOCATION OF WALL RECESS WITH CEILING AS SHOWN
 - PAIN EXPOSED METAL FACE OF SPEAKER GRILLS AND EXPOSED PORTION OF PROJECTOR MOUNT (P-10)
 - FLUME HOOD - SHEET METAL ENCLOSURE TO GO UP ABOVE CEILING
 - SCIENCE EQUIPMENT - SEE A8.11 FOR MORE INFORMATION
 - EMERGENCY SAFETY SHOWER REFER TO SCIENCE LAB SHEETS
 - REFER TO FOOD SERVICE DRAWINGS FOR HOOD LOCATIONS
 - EXPOSED GALVANIZED STEEL PLATE. SEE STRUCTURAL. PAINT TO MATCH ADJ. ACM SOFFIT
 - MOTORIZED SHADES THIS WALL 1" INDICATED TO STRUCTURE ABOVE. ALIGN SHADE ENDS WITH MULLIONS. REFER TO TAG FOR QUANTITY OF SHADES ON WALL. REFER TO CEILING DETAILS FOR MORE INFORMATION
 - MOTORIZED SHADE THIS WINDOW MOUNTED TO GYP. BD. JAMBS. REFER TO CEILING DETAILS FOR MOUNTING HEIGHT.
 - RECESSED MOTORIZED PROJECTION SCREEN. REFER TO TECHNOLOGY SHEETS.

CEILING TYPES:

TYPE	DESCRIPTION
0	EXPOSED METAL STRUCTURE
1	1/2" PAINTED GYP. BOARD ON METAL FRAMING
2	2x2 ACOUSTICAL PANEL SYSTEM
3	2x8" PERFORATED PAINTED ACOUSTICAL GYP. BOARD ON METAL FRAMING - 12" ACOUSTICAL BATT INSUL ABOVE CEILING
4	4x4 ACOUSTICAL PANEL CEILING SYSTEM
5	WOOD SLAT CEILING
6	WOOD VENEER PANEL CEILING
7	2x2 W/W/V. FACE GYP. BD. CEILING
8	ACM SOFFIT SYSTEM COLOR 1 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION
9	NOT USED
10	PAINTED EXPOSED METAL STRUCTURE (P-2)
11	ACM SOFFIT SYSTEM COLOR 2 - REFER TO SECTIONS FOR ADDITIONAL INFORMATION





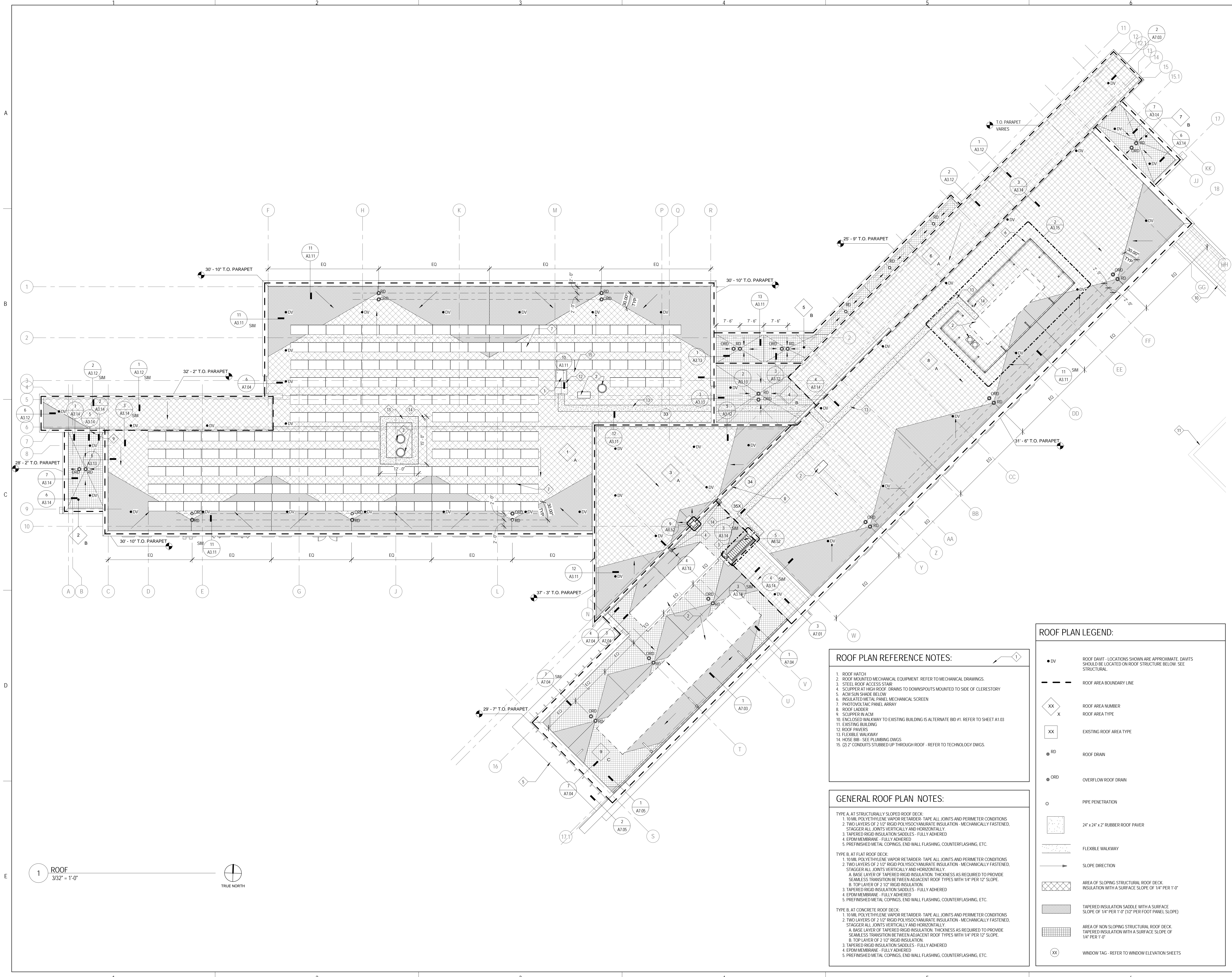
ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

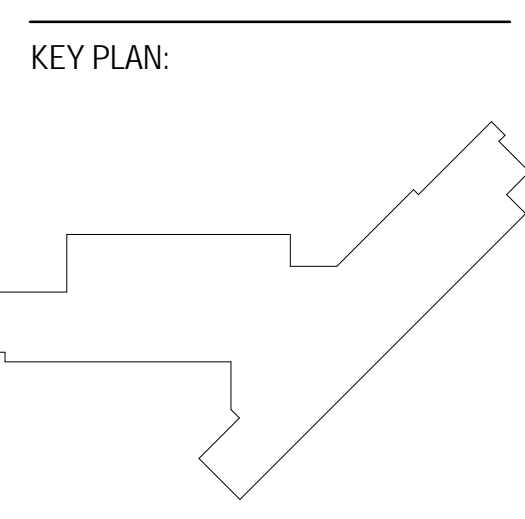


- ROOF PLAN REFERENCE NOTES:**
1. ROOF HATCH
 2. ROOF MOUNTED MECHANICAL EQUIPMENT. REFER TO MECHANICAL DRAWINGS.
 3. STEEL ROOF ACCESS STAIR
 4. SCUPPER AT HIGH ROOF. DRAINS TO DOWNSPOUTS MOUNTED TO SIDE OF CLERESTORY
 5. ACM SUN SHADE BELOW
 6. INSULATED METAL PANEL MECHANICAL SCREEN
 7. PHOTOVOLTAIC PANEL ARRAY
 8. ROOF LADDER
 9. SCUPPER IN ACM
 10. ENCLOSED WALKWAY TO EXISTING BUILDING IS ALTERNATE BID #1. REFER TO SHEET A1.03
 11. EXISTING BUILDING
 12. ROOF PAVERS
 13. FLEXIBLE WALKWAY
 14. HOSE BIB - SEE PLUMBING DWGS
 15. (2) 2" CONDUITS STUBBED UP THROUGH ROOF - REFER TO TECHNOLOGY DWGS.

- GENERAL ROOF PLAN NOTES:**
- TYPE A, AT STRUCTURALLY SLOPED ROOF DECK:**
1. 10 ML POLYETHYLENE VAPOR RETARDER. TAPE ALL JOINTS AND PERIMETER CONDITIONS
 2. TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED. STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.
 - A. BASE LAYER OF TAPERED RIGID INSULATION. THICKNESS AS REQUIRED TO PROVIDE SEAMLESS TRANSITION BETWEEN ADJACENT ROOF TYPES WITH 1/4" PER 12" SLOPE.
 - B. TOP LAYER OF 2 1/2" RIGID INSULATION
 3. TAPERED RIGID INSULATION SADDLES - FULLY ADHERED
 4. EPDM MEMBRANE - FULLY ADHERED
 5. PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.
- TYPE B, AT FLAT ROOF DECK:**
1. 10 ML POLYETHYLENE VAPOR RETARDER. TAPE ALL JOINTS AND PERIMETER CONDITIONS
 2. TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED. STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.
 - A. BASE LAYER OF TAPERED RIGID INSULATION. THICKNESS AS REQUIRED TO PROVIDE SEAMLESS TRANSITION BETWEEN ADJACENT ROOF TYPES WITH 1/4" PER 12" SLOPE.
 - B. TOP LAYER OF 2 1/2" RIGID INSULATION
 3. TAPERED RIGID INSULATION SADDLES - FULLY ADHERED
 4. EPDM MEMBRANE - FULLY ADHERED
 5. PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.
- TYPE C, AT CONCRETE ROOF DECK:**
1. 10 ML POLYETHYLENE VAPOR RETARDER. TAPE ALL JOINTS AND PERIMETER CONDITIONS
 2. TWO LAYERS OF 2 1/2" RIGID POLYISOCYANURATE INSULATION - MECHANICALLY FASTENED. STAGGER ALL JOINTS VERTICALLY AND HORIZONTALLY.
 - A. BASE LAYER OF TAPERED RIGID INSULATION. THICKNESS AS REQUIRED TO PROVIDE SEAMLESS TRANSITION BETWEEN ADJACENT ROOF TYPES WITH 1/4" PER 12" SLOPE.
 - B. TOP LAYER OF 2 1/2" RIGID INSULATION
 3. TAPERED RIGID INSULATION SADDLES - FULLY ADHERED
 4. EPDM MEMBRANE - FULLY ADHERED
 5. PREFINISHED METAL COPINGS, END WALL FLASHING, COUNTERFLASHING, ETC.

ROOF PLAN LEGEND:

● DV	ROOF DAVIT. LOCATIONS SHOWN ARE APPROXIMATE. DAVITS SHOULD BE LOCATED ON ROOF STRUCTURE BELOW. SEE STRUCTURAL.
---	ROOF AREA BOUNDARY LINE
XX	ROOF AREA NUMBER
XX	ROOF AREA TYPE
XX	EXISTING ROOF AREA TYPE
RD	ROOF DRAIN
ORD	OVERFLOW ROOF DRAIN
○	PIPE PENETRATION
[Pattern]	24" x 24" x 2" RUBBER ROOF PAVER
[Pattern]	FLEXIBLE WALKWAY
→	SLOPE DIRECTION
[Pattern]	AREA OF SLOPING STRUCTURAL ROOF DECK INSULATION WITH A SURFACE SLOPE OF 1/4" PER 1'-0"
[Pattern]	TAPERED INSULATION SADDLE WITH A SURFACE SLOPE OF 1/4" PER 1'-0" (1/2" PER FOOT PANEL SLOPE)
[Pattern]	AREA OF NON SLOPING STRUCTURAL ROOF DECK INSULATION WITH A SURFACE SLOPE OF 1/4" PER 1'-0"
XX	WINDOW TAG - REFER TO WINDOW ELEVATION SHEETS



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ROOF PLAN

SHEET NUMBER:
A3.01

9/18/2015 9:31:16 AM

1 ROOF
 3/32" = 1'-0"

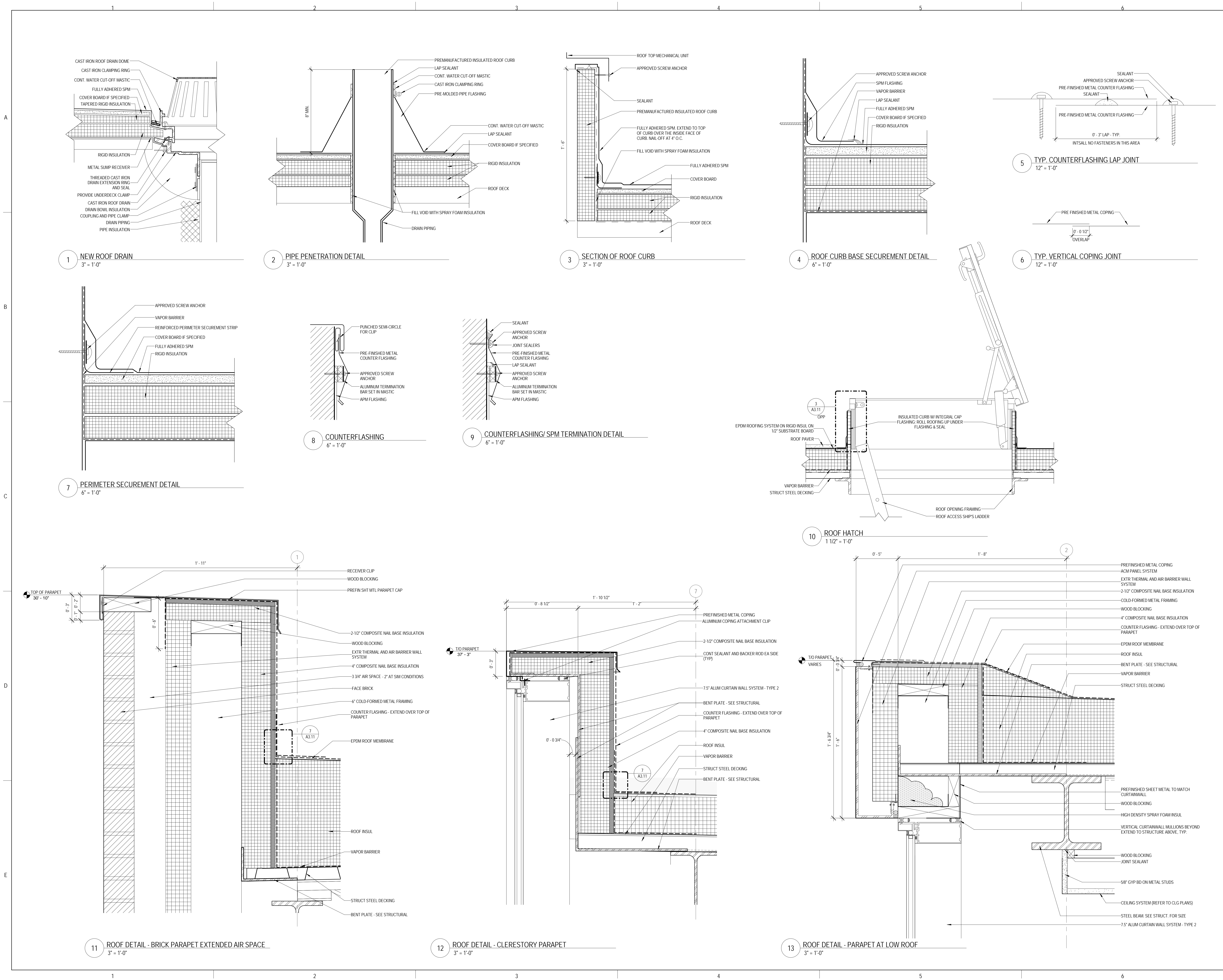
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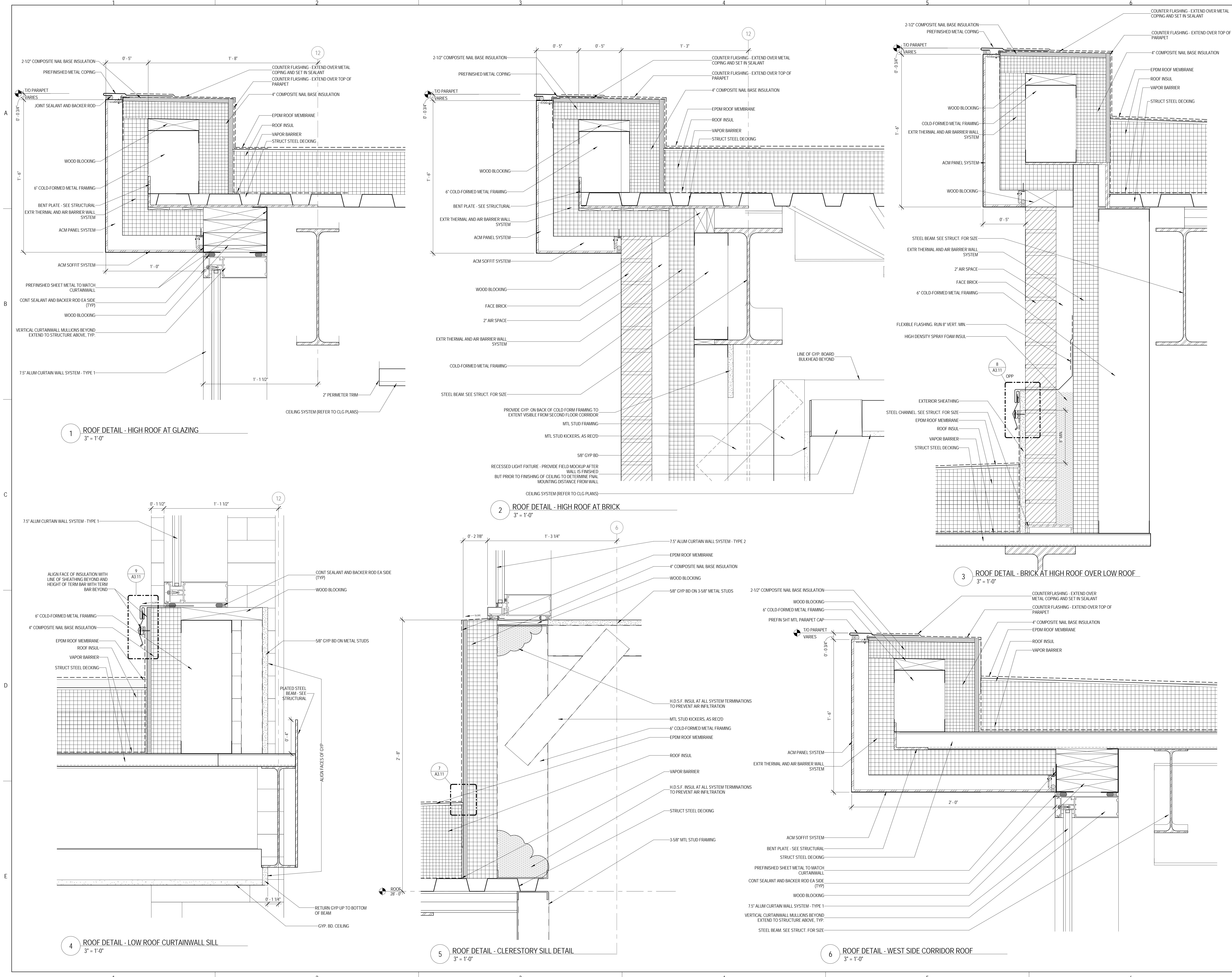
SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ROOF DETAILS

SHEET NUMBER:
A3.11





KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ROOF DETAILS

SHEET NUMBER:
A3.12

KEY PLAN:

SHEET STATUS: 9/21/15

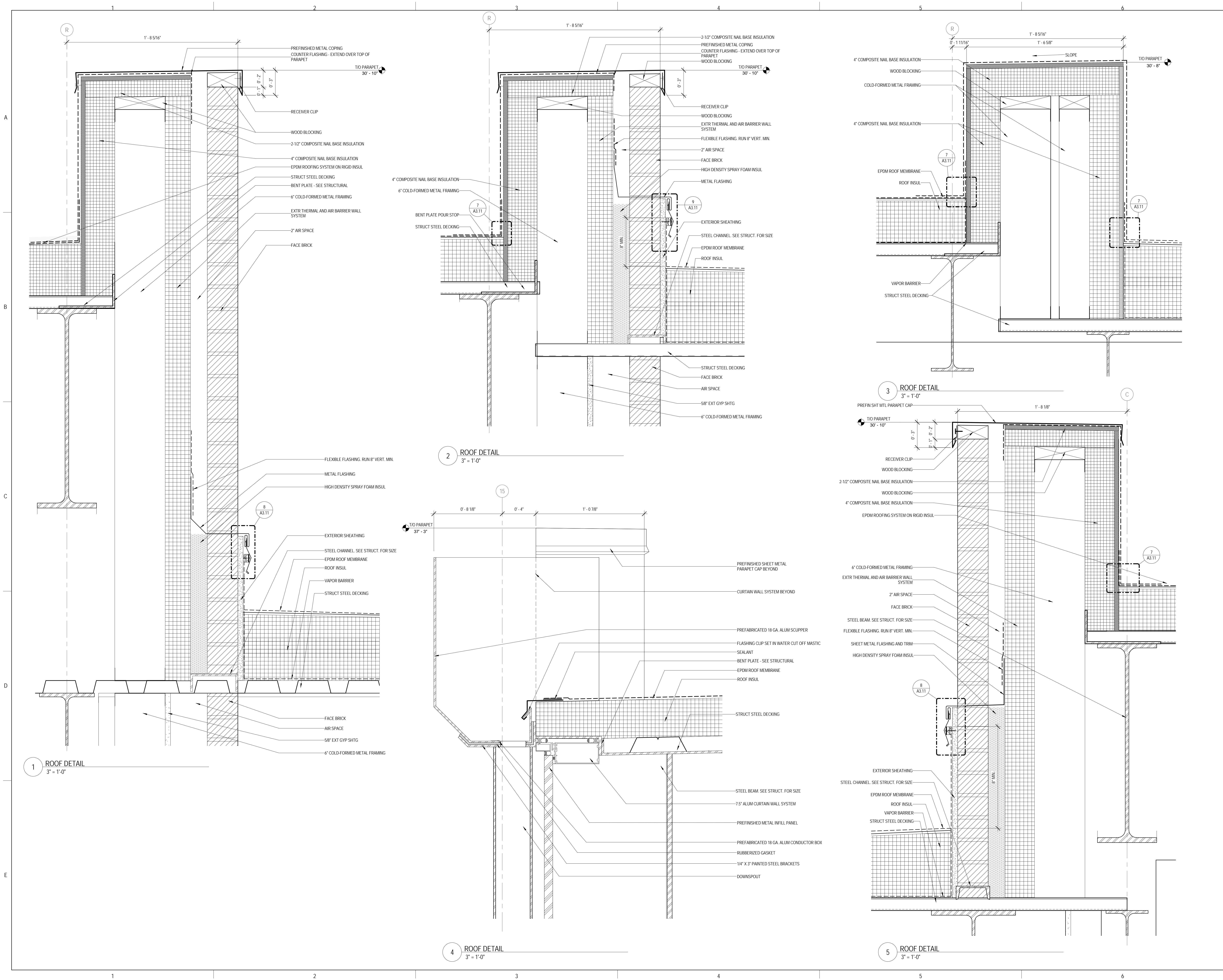
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ROOF DETAILS

SHEET NUMBER:

A3.13



1 ROOF DETAIL
 3" = 1'-0"

2 ROOF DETAIL
 3" = 1'-0"

4 ROOF DETAIL
 3" = 1'-0"

3 ROOF DETAIL
 3" = 1'-0"

5 ROOF DETAIL
 3" = 1'-0"



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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

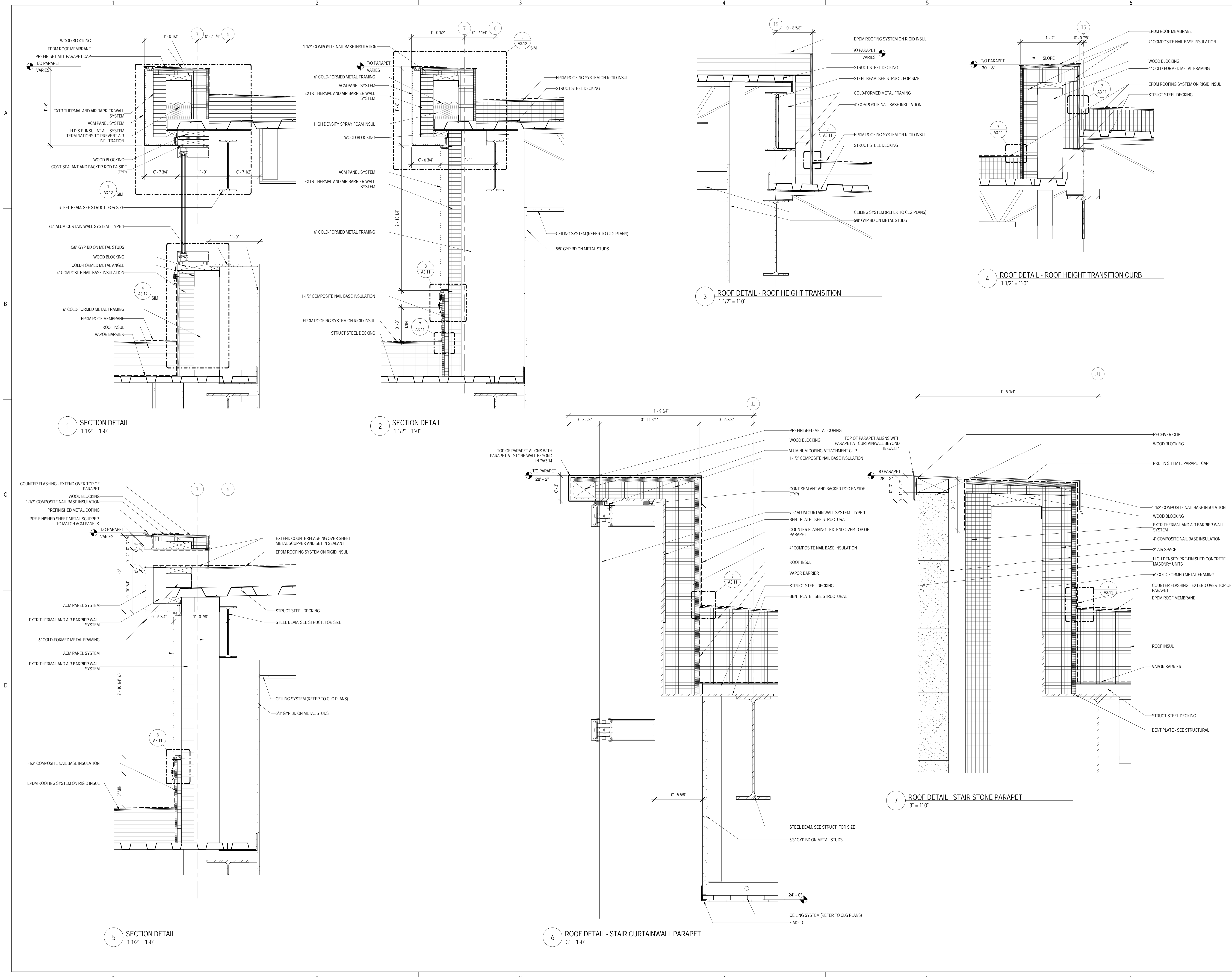
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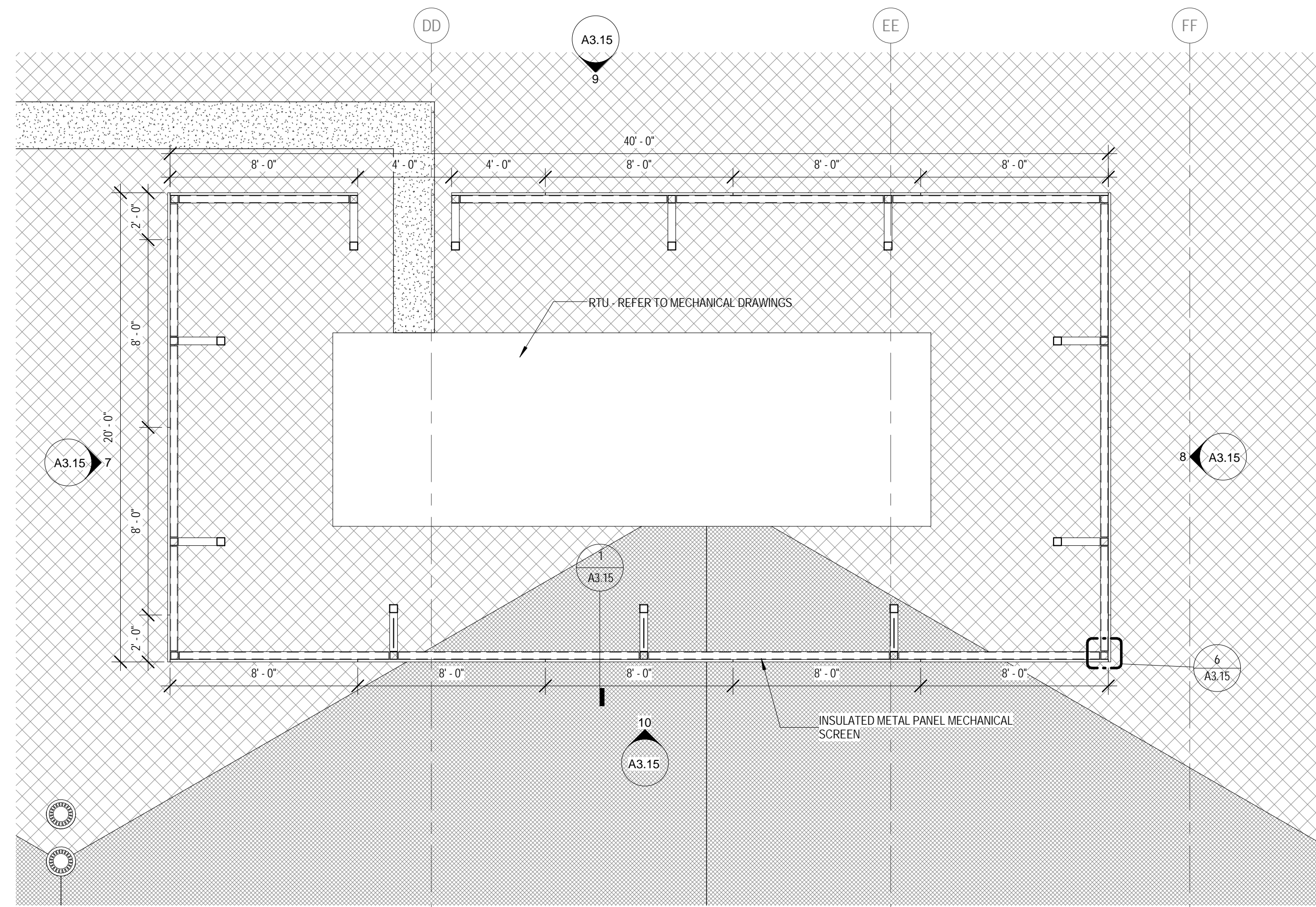
ROOF DETAILS

SHEET NUMBER:

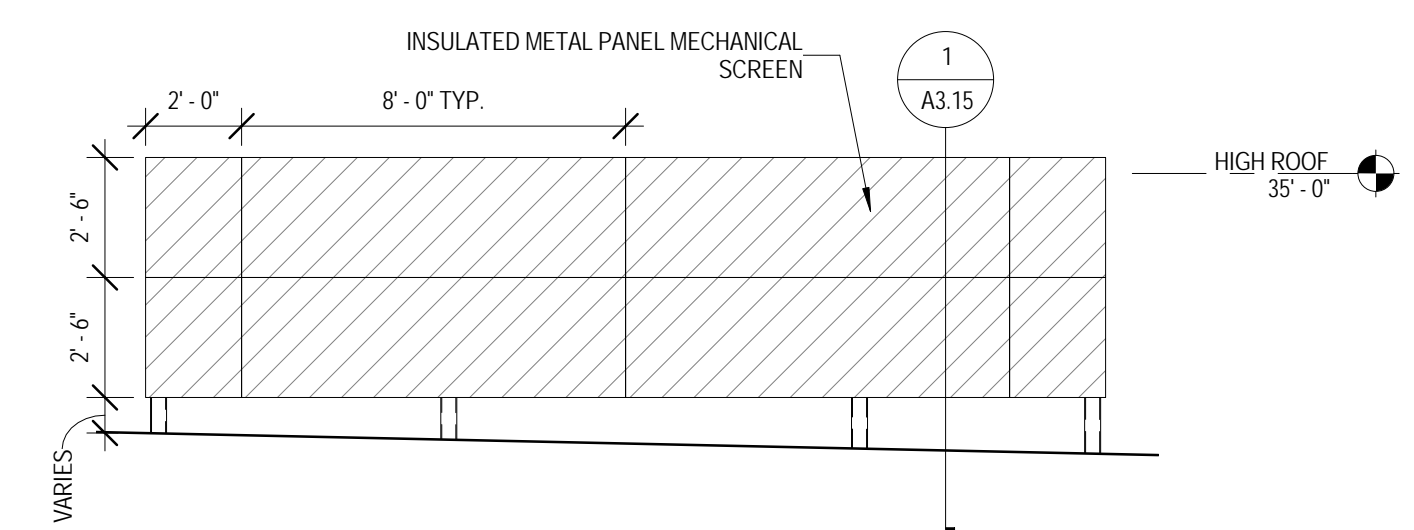
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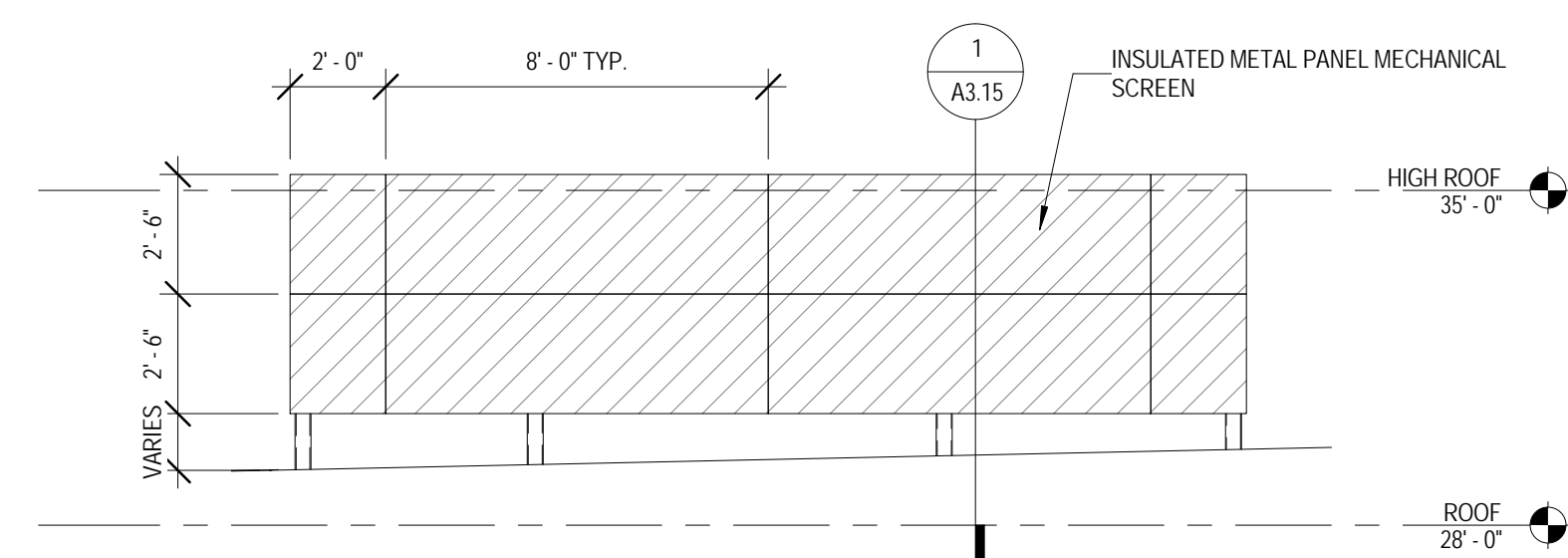




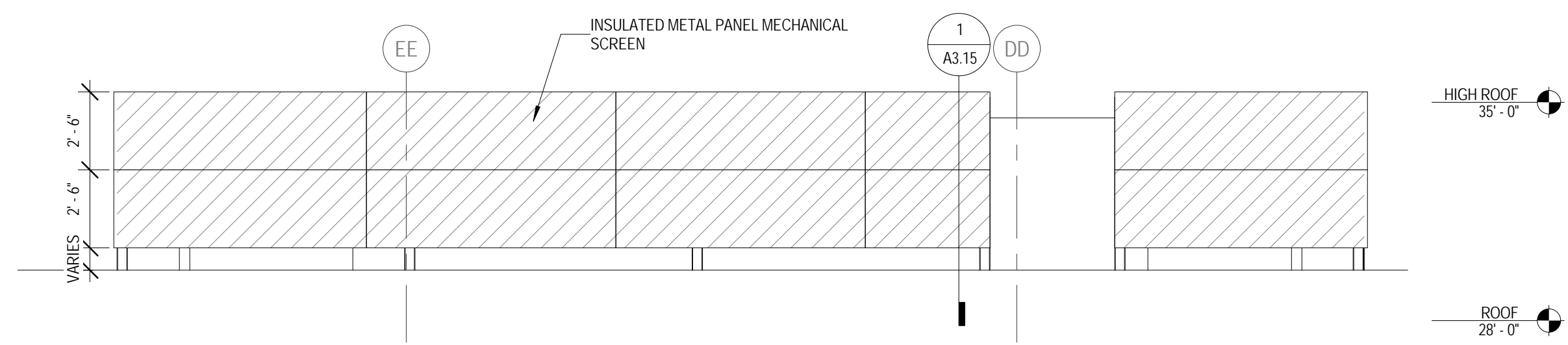
2 ENLARGED PLAN - MECHANICAL SCREEN
 1/4" = 1'-0"



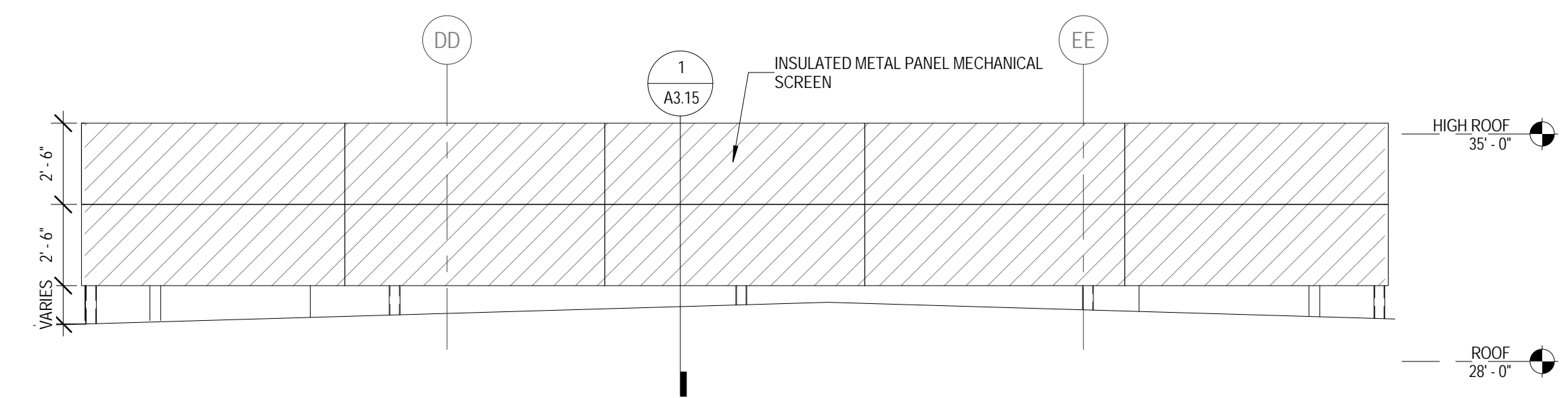
7 MECHANICAL SCREEN - SOUTHWEST ELEVATION
 1/4" = 1'-0"



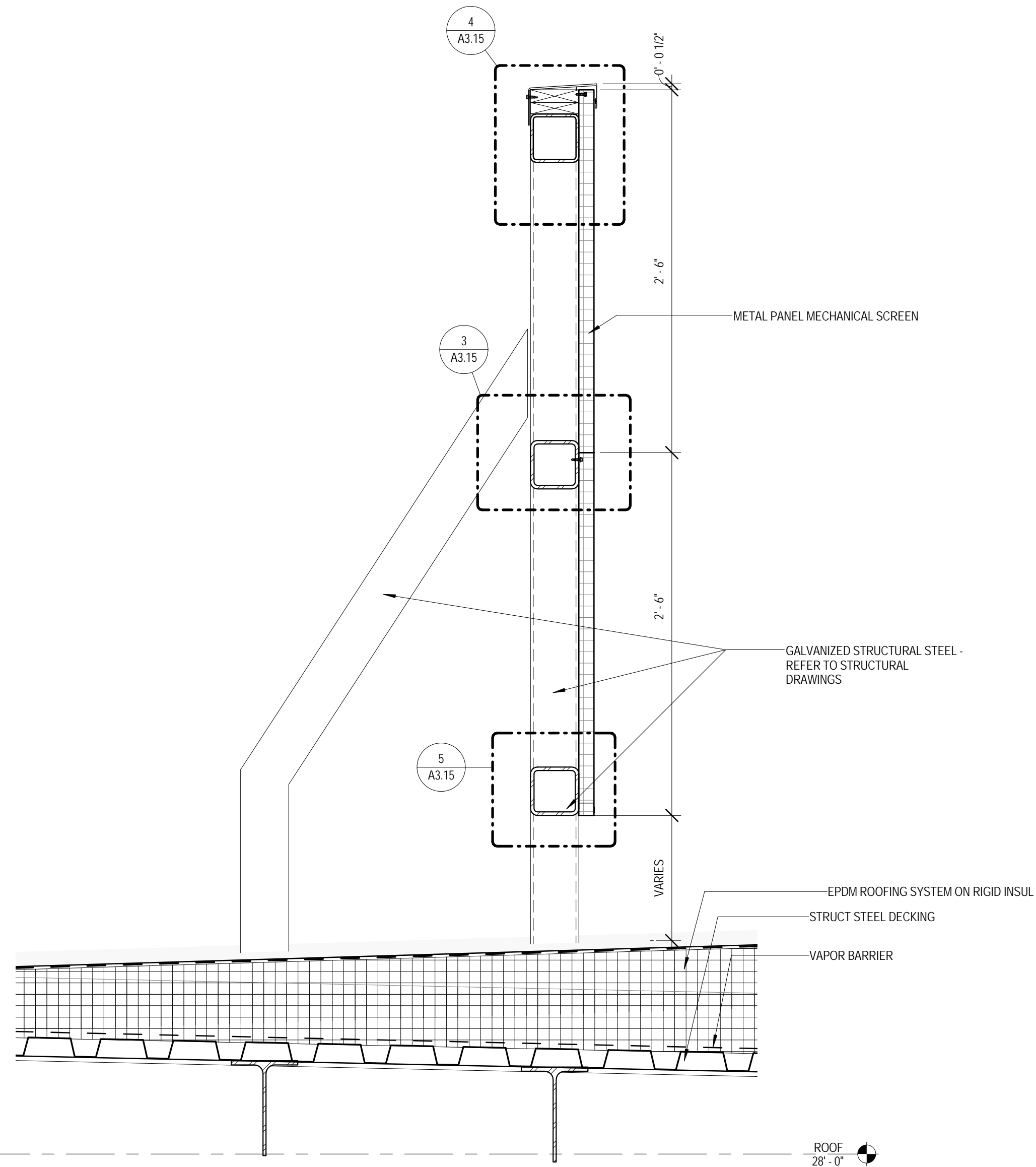
8 MECHANICAL SCREEN - NORTHEAST ELEVATION
 1/4" = 1'-0"



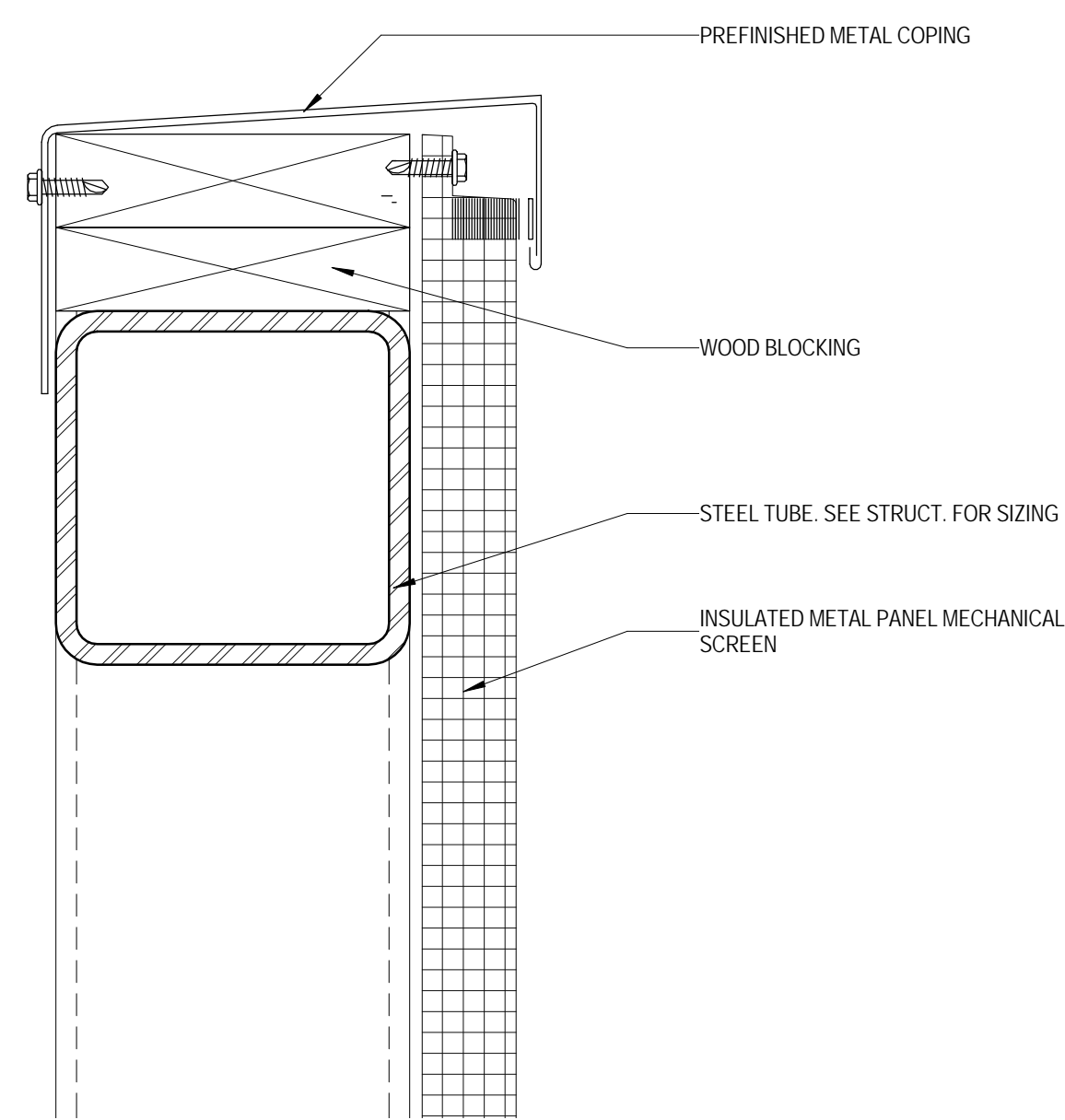
9 MECHANICAL SCREEN - NORTHWEST ELEVATION
 1/4" = 1'-0"



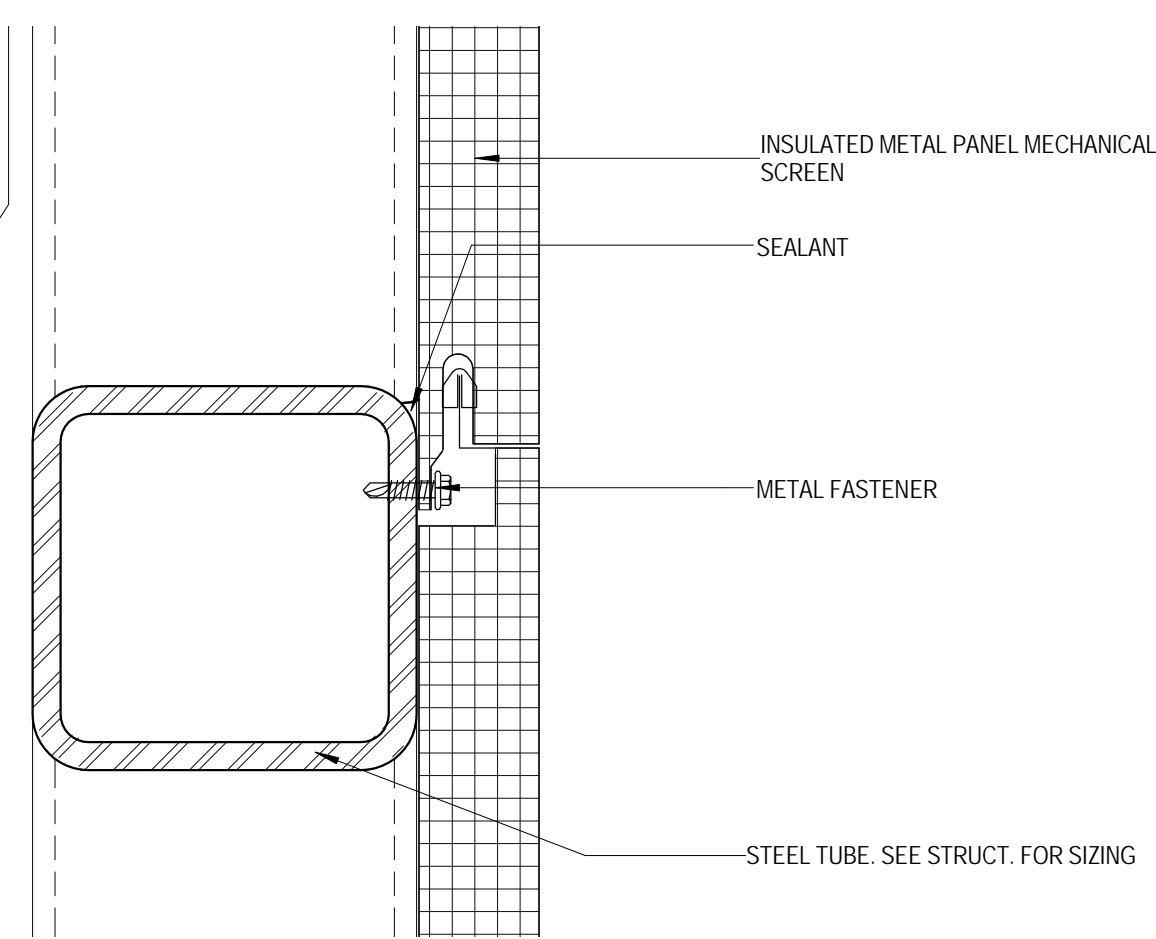
10 MECHANICAL SCREEN - SOUTHEAST ELEVATION
 1/4" = 1'-0"



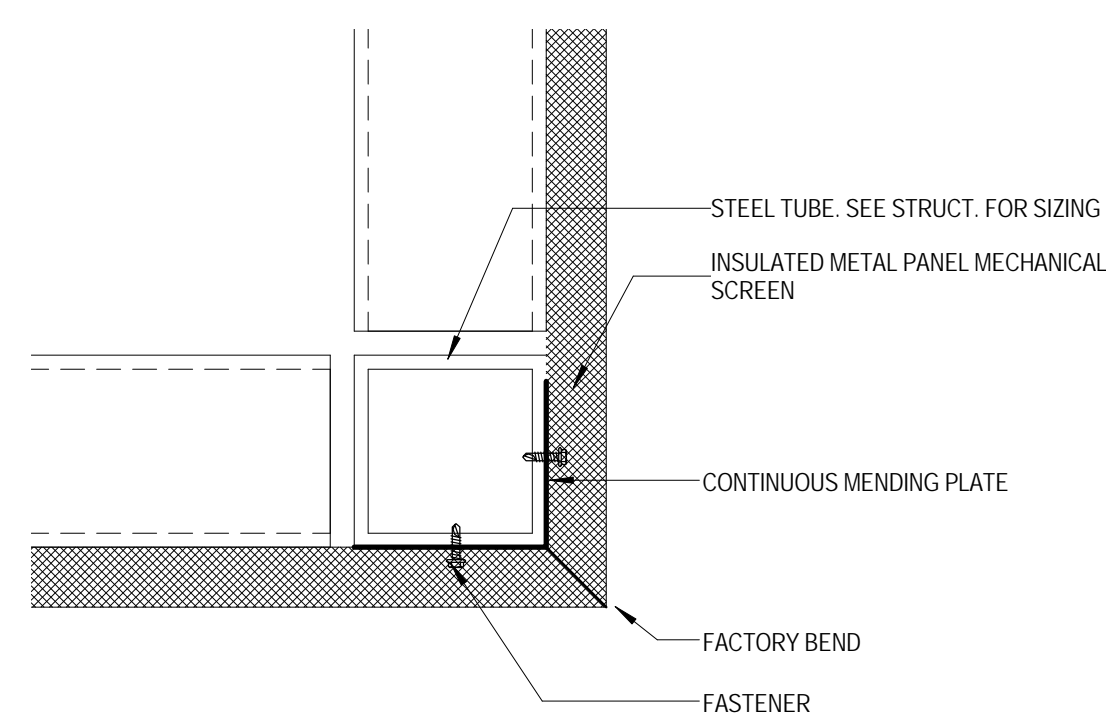
1 MECHANICAL SCREEN
 1 1/2" = 1'-0"



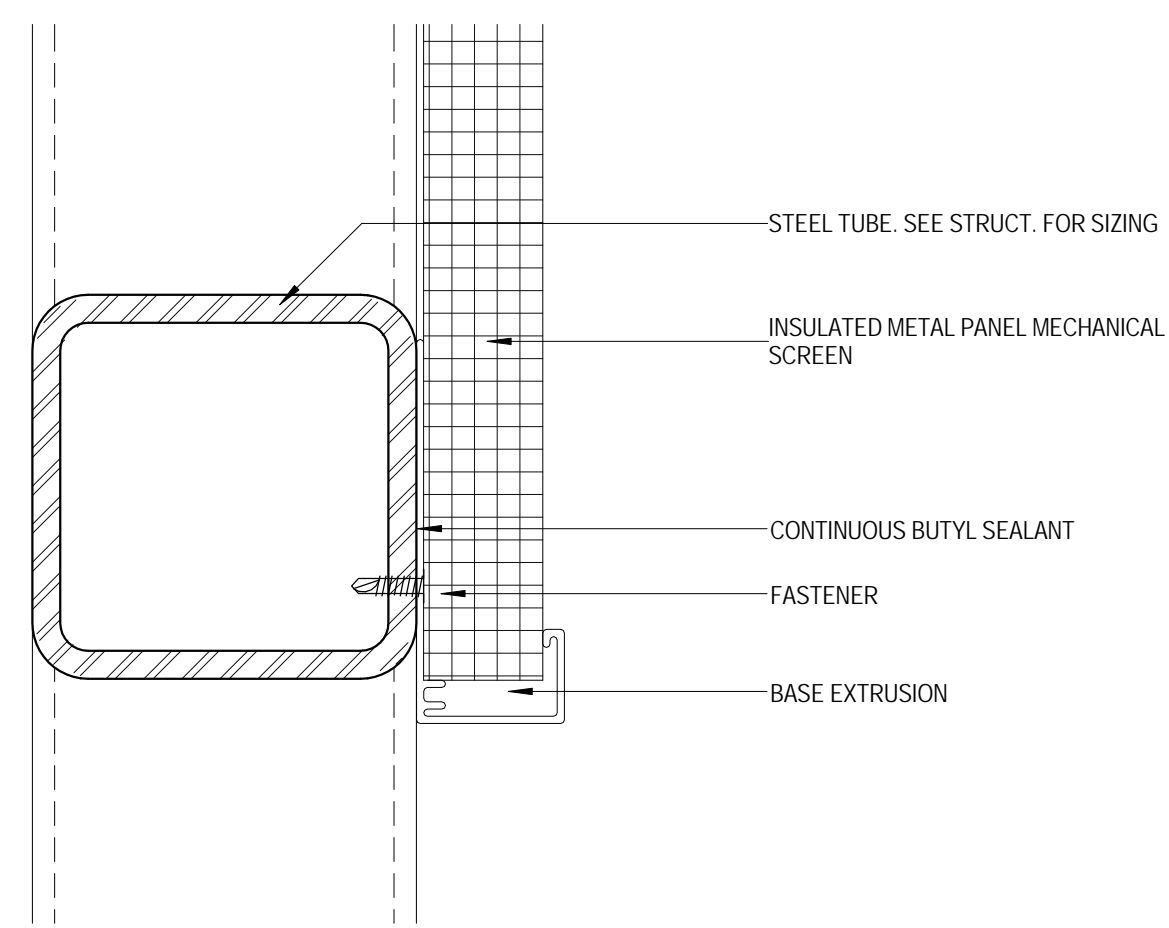
4 MECHANICAL SCREEN HEAD DETAIL
 6" = 1'-0"



3 MECHANICAL SCREEN JOINT DETAIL
 6" = 1'-0"



6 MECHANICAL SCREEN - METAL PANEL CONNECTION DETAIL
 3" = 1'-0"



5 MECHANICAL SCREEN SILL DETAIL
 6" = 1'-0"

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

MECHANICAL SCREEN DETAILS

SHEET NUMBER:

A3.15



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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

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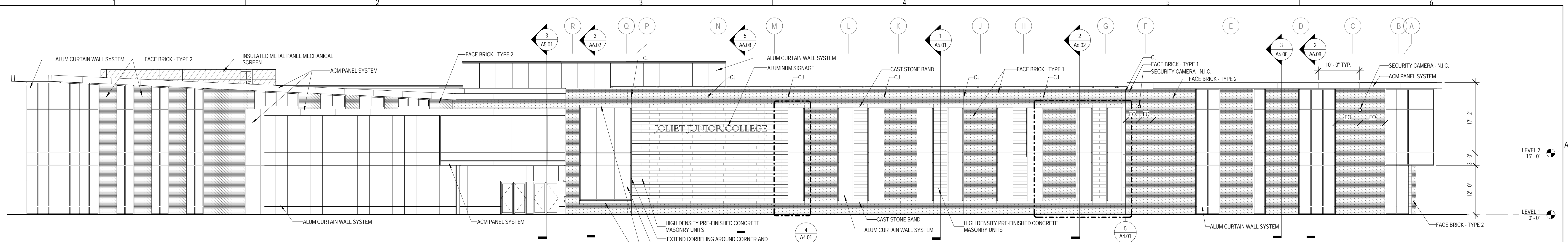
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SHEET TITLE:
EXTERIOR ELEVATIONS

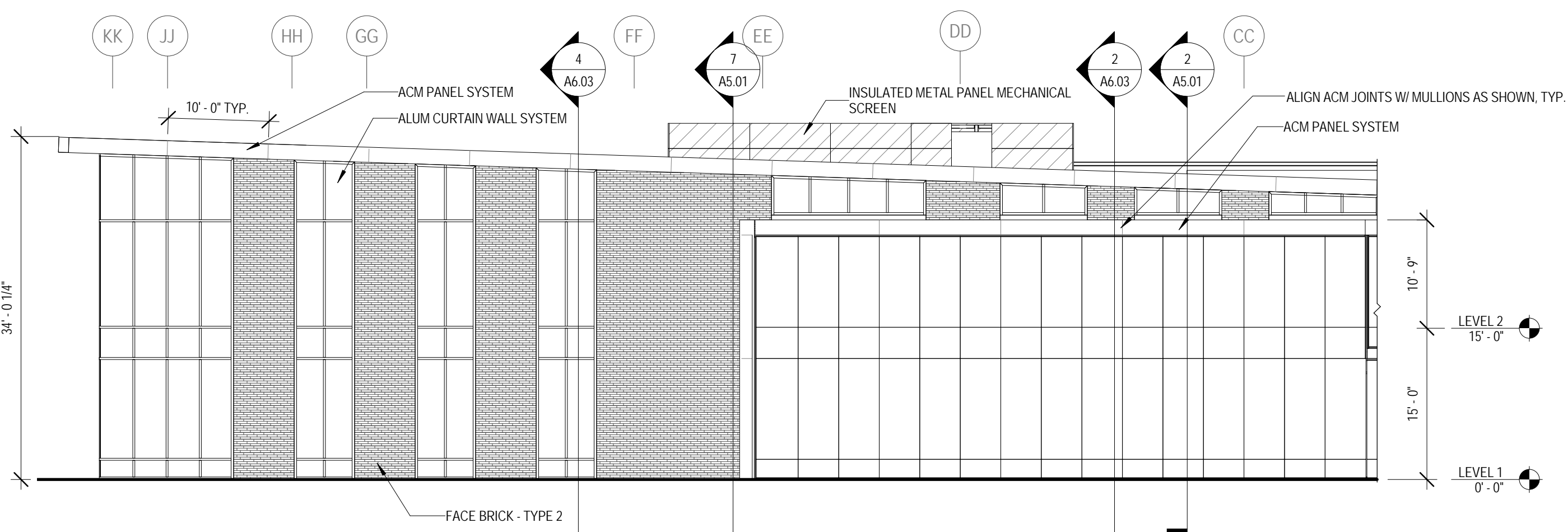
SHEET NUMBER:

A4.01

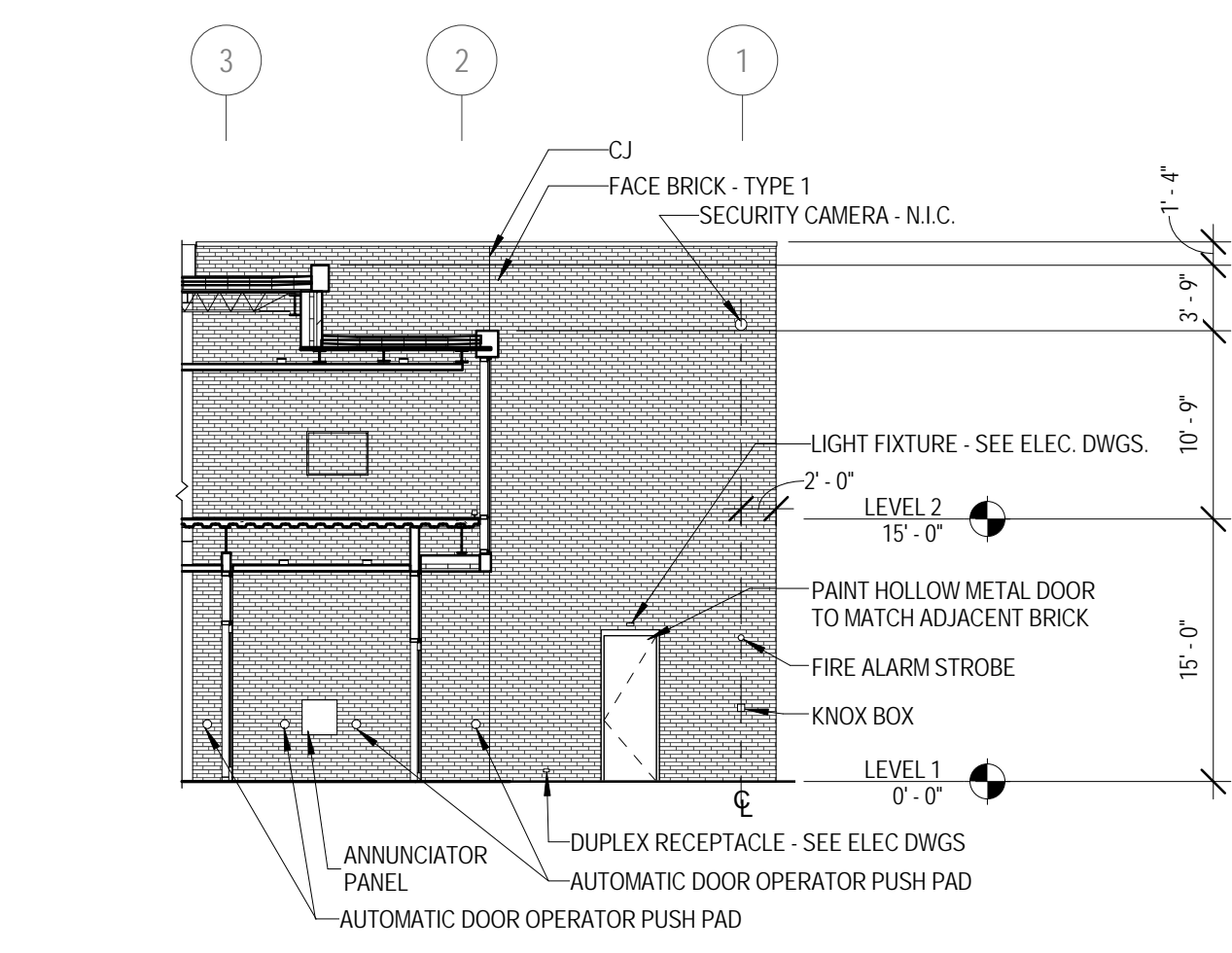
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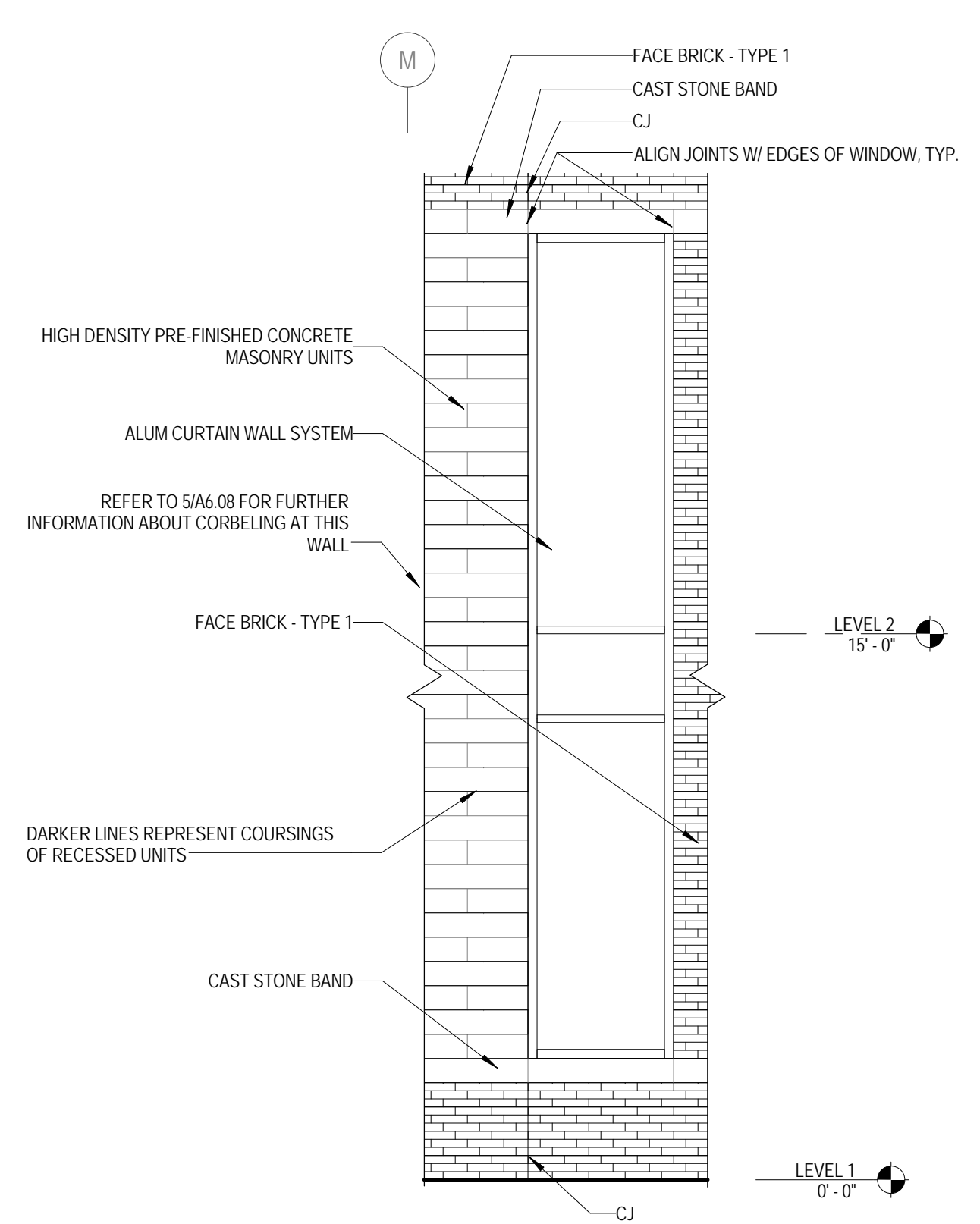
1 NORTH ELEVATION
 3/32" = 1'-0"



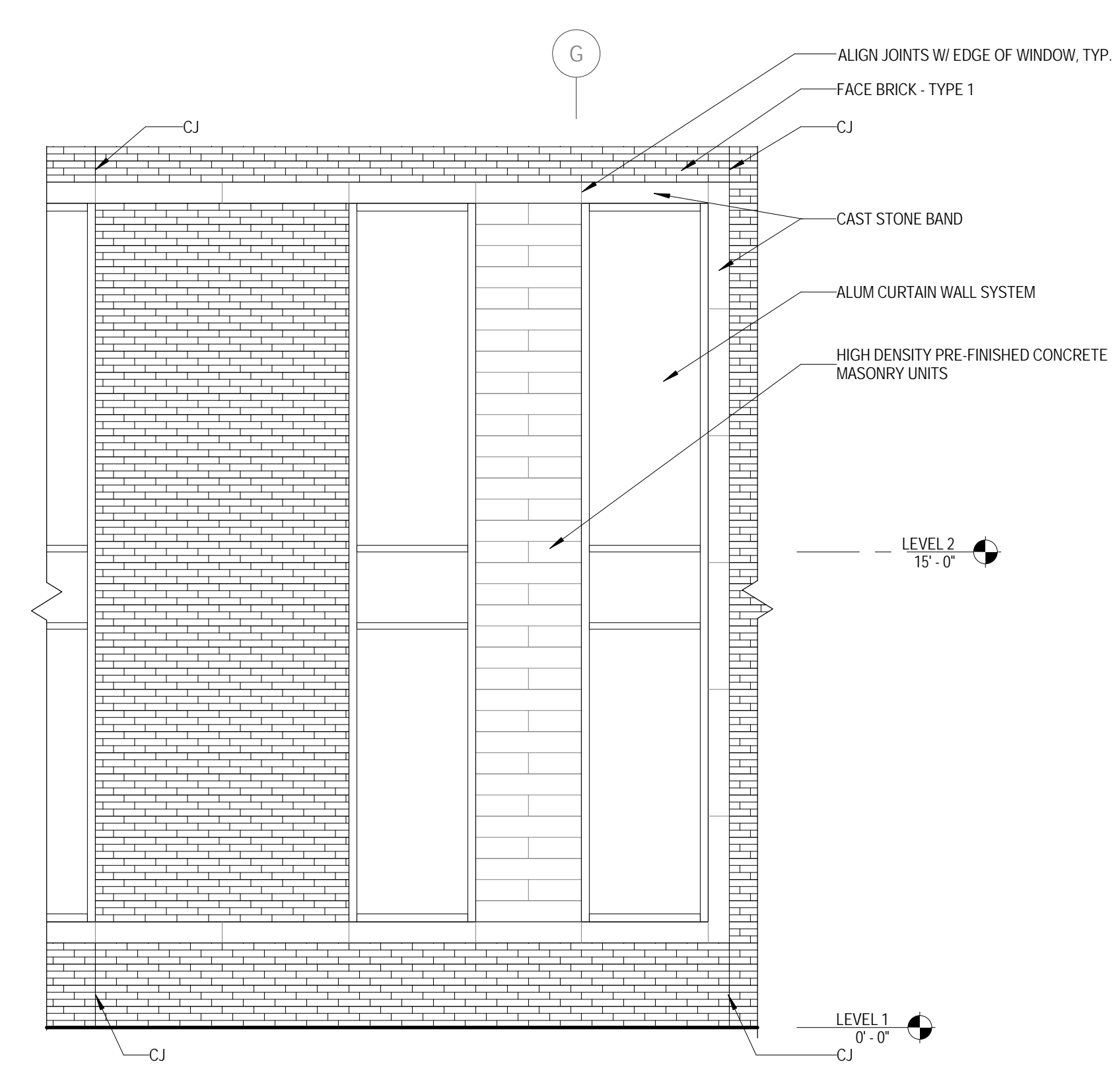
2 NORTH WEST ELEVATION
 3/32" = 1'-0"



3 WEST ELEVATION AT ENTRY
 3/32" = 1'-0"



4 ENLARGED NORTH ELEVATION - EAST
 1/4" = 1'-0"



5 ENLARGED NORTH ELEVATION - WEST
 1/4" = 1'-0"

*3D VIEWS FOR REFERENCE ONLY



6 FRONT ENTRY



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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

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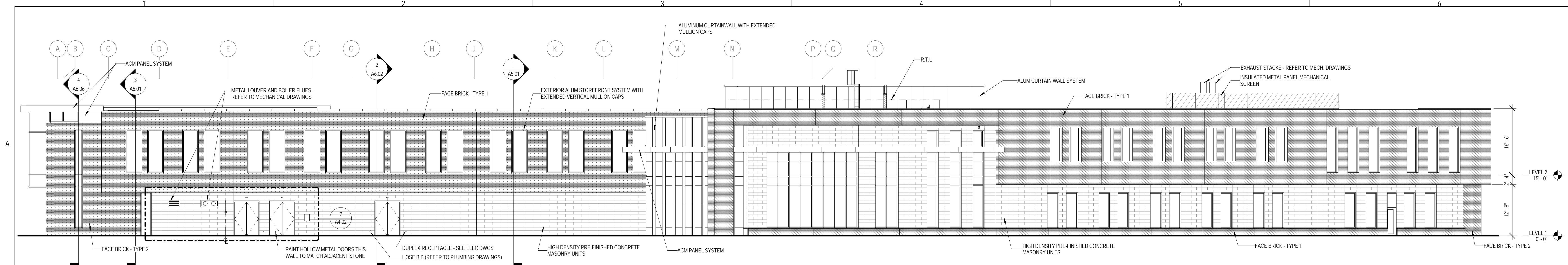
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EXTERIOR ELEVATIONS

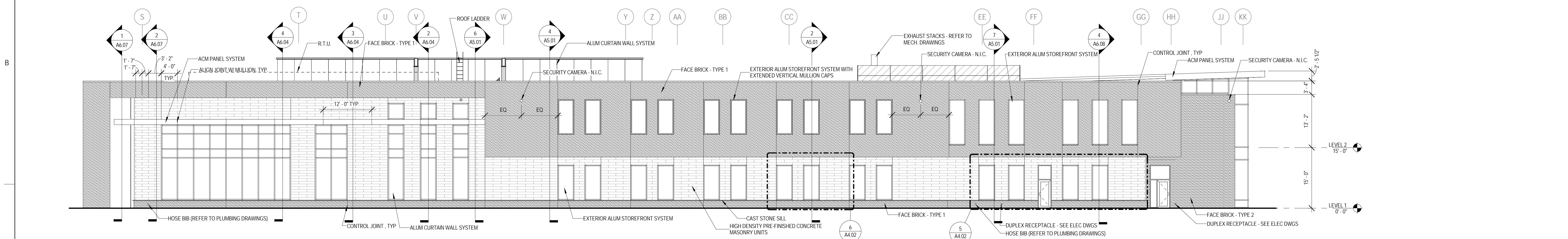
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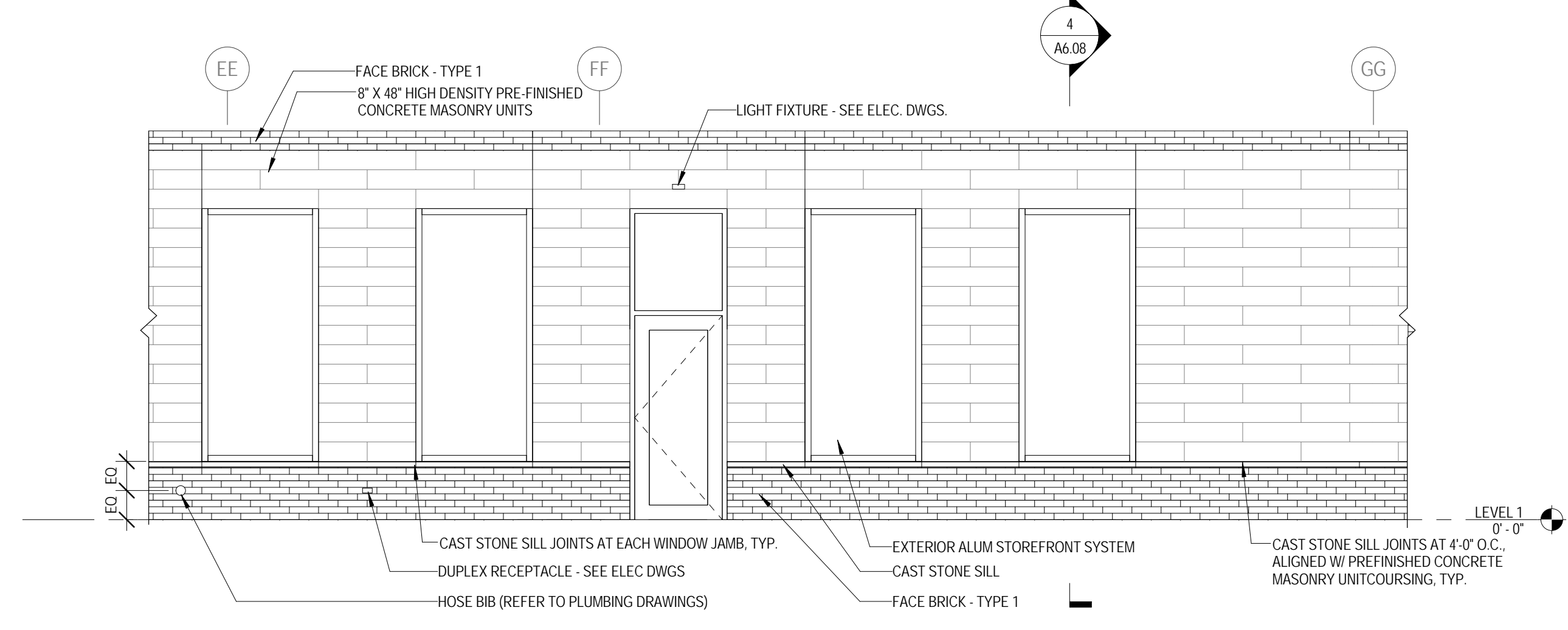


1 SOUTH ELEVATION
 3/32" = 1'-0"



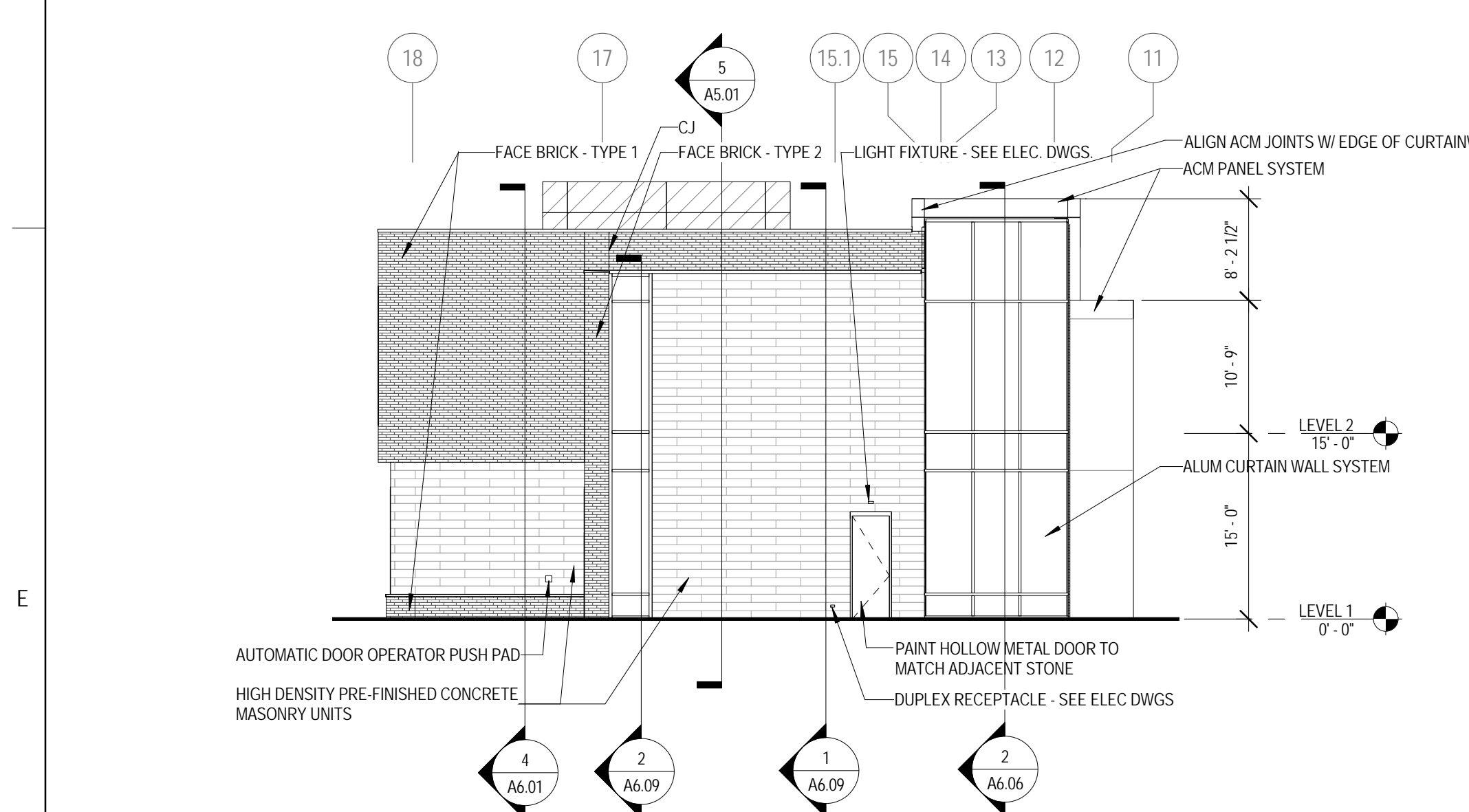
2 SOUTH EAST ELEVATION
 3/32" = 1'-0"

*3D VIEWS FOR REFERENCE ONLY

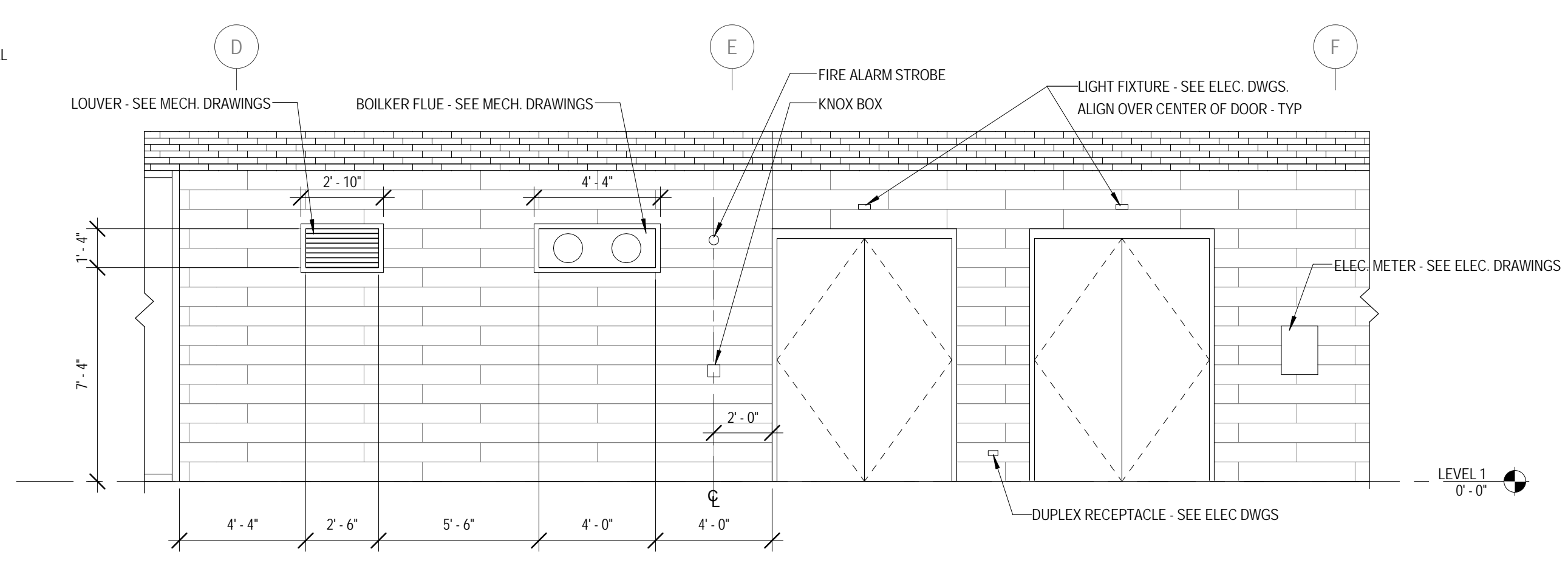


5 ENLARGED SOUTH EAST ELEVATION - NORTH
 1/4" = 1'-0"

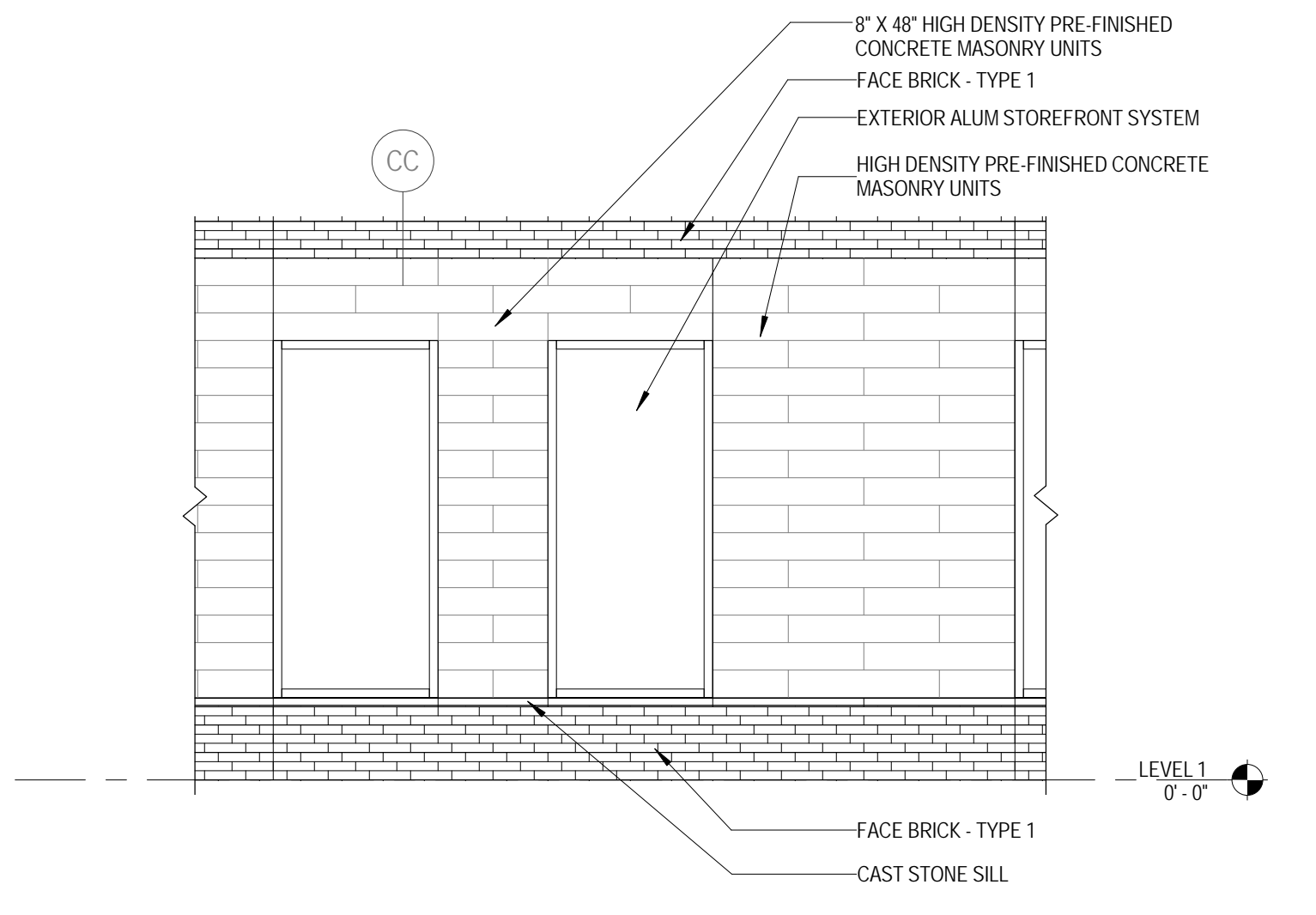
3 NORTH-EAST EXTERIOR VIEW



4 NORTH EAST ELEVATION
 3/32" = 1'-0"



7 ENLARGED SOUTH ELEVATION
 1/4" = 1'-0"

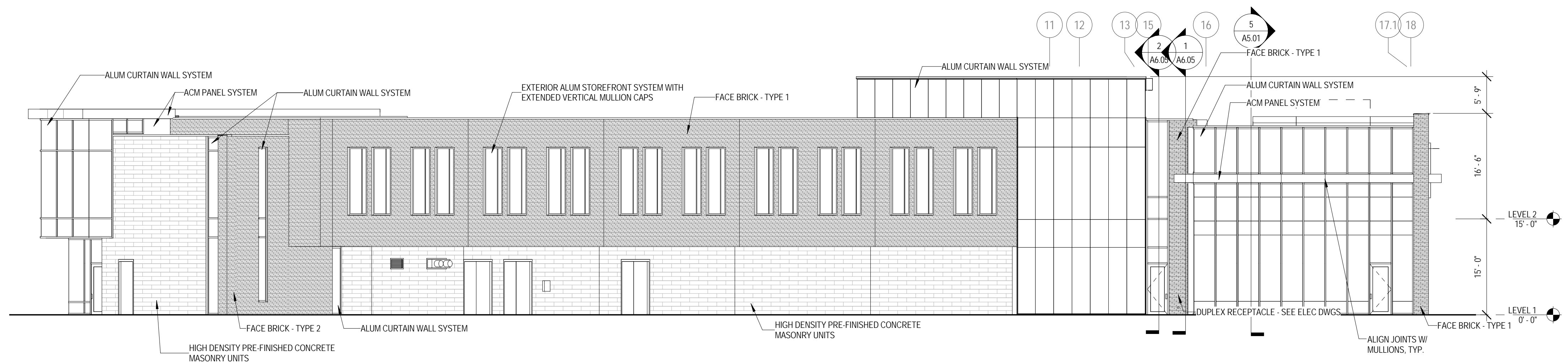


6 ENLARGED SOUTH EAST ELEVATION - TYP.
 1/4" = 1'-0"

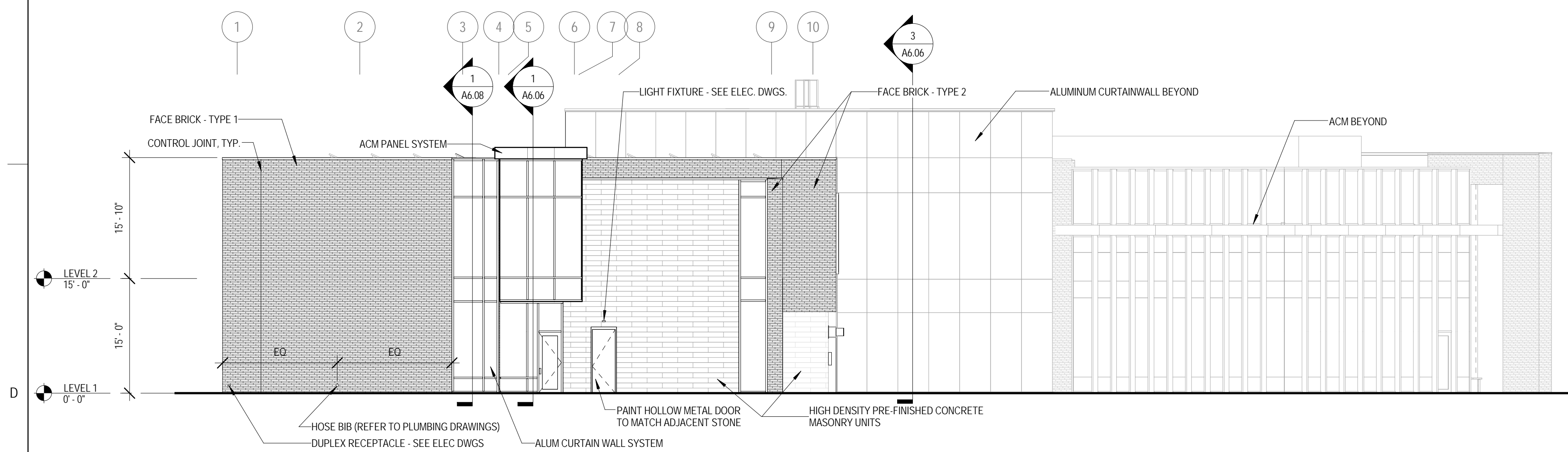
*3D VIEWS FOR REFERENCE ONLY



1 EXTERIOR VIEW - SOUTHWEST



2 SOUTH WEST ELEVATION
3/32" = 1'-0"



3 WEST ELEVATION
3/32" = 1'-0"



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JOLIET JUNIOR COLLEGE
ROMEOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
EXTERIOR ELEVATIONS

SHEET NUMBER:

A4.03



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KEY PLAN:

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 CONSTRUCTION**

NO. DESCRIPTION: DATE:

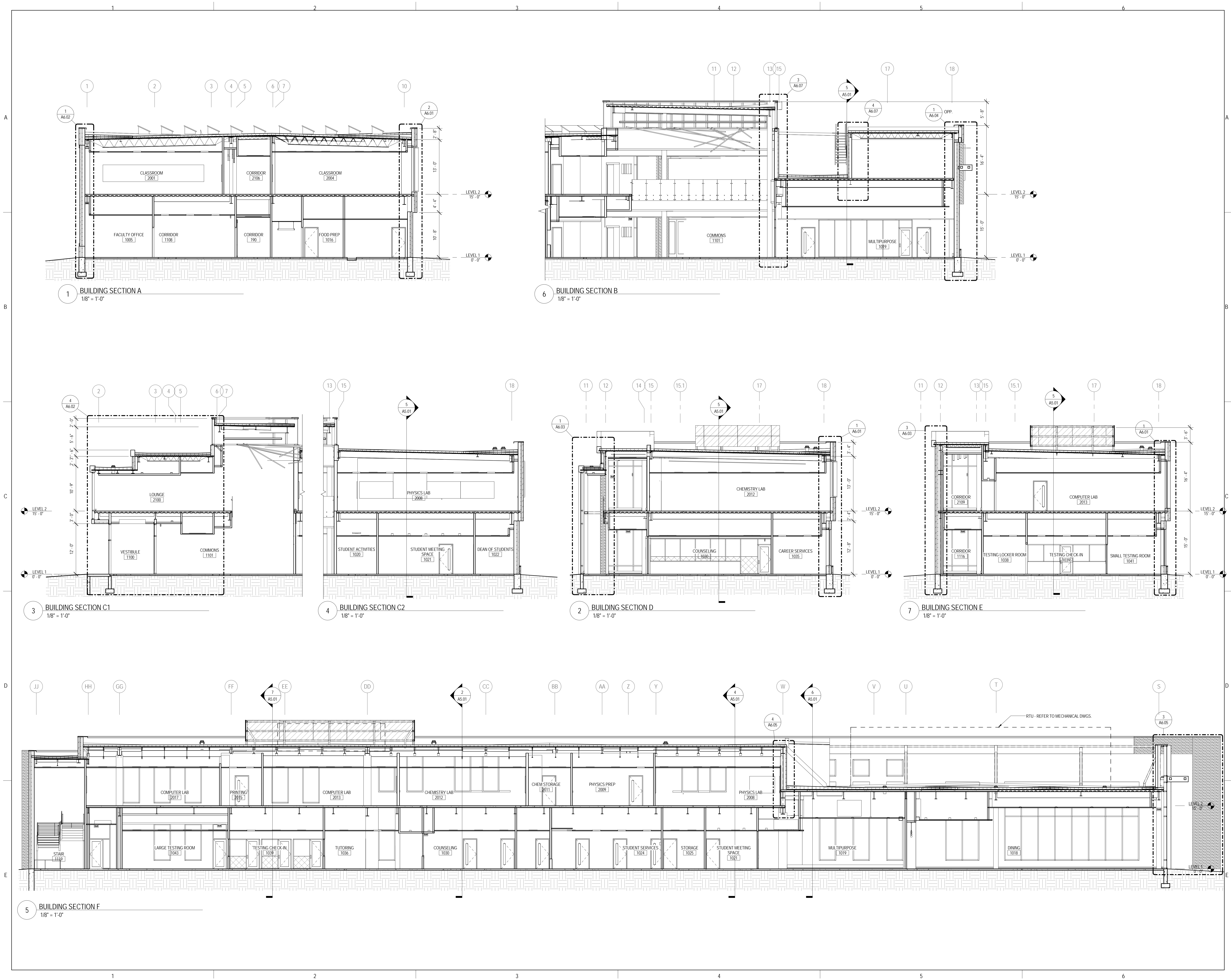
SHEET TITLE:

BUILDING SECTIONS

SHEET NUMBER:

A5.01

9/18/2015 9:33:08 AM



1 BUILDING SECTION A
 1/8" = 1'-0"

6 BUILDING SECTION B
 1/8" = 1'-0"

3 BUILDING SECTION C1
 1/8" = 1'-0"

4 BUILDING SECTION C2
 1/8" = 1'-0"

2 BUILDING SECTION D
 1/8" = 1'-0"

7 BUILDING SECTION E
 1/8" = 1'-0"

5 BUILDING SECTION F
 1/8" = 1'-0"

RTU - REFER TO MECHANICAL DWGS.



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 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

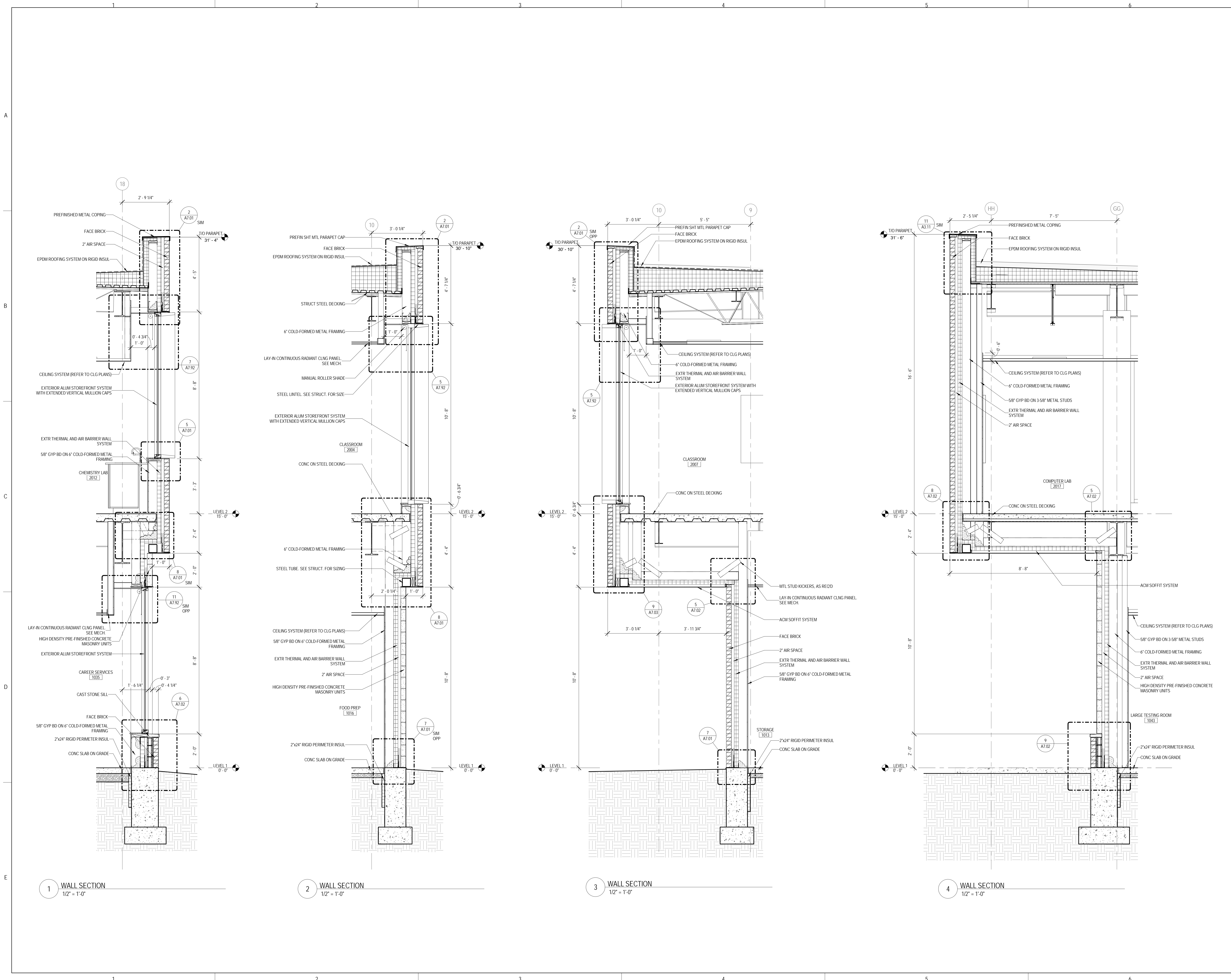
SHEET TITLE:

WALL SECTIONS

SHEET NUMBER:

A6.01

9/18/2015 9:33:15 AM



1 WALL SECTION
 1/2" = 1'-0"

2 WALL SECTION
 1/2" = 1'-0"

3 WALL SECTION
 1/2" = 1'-0"

4 WALL SECTION
 1/2" = 1'-0"



ARCHITECT OF RECORD
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 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

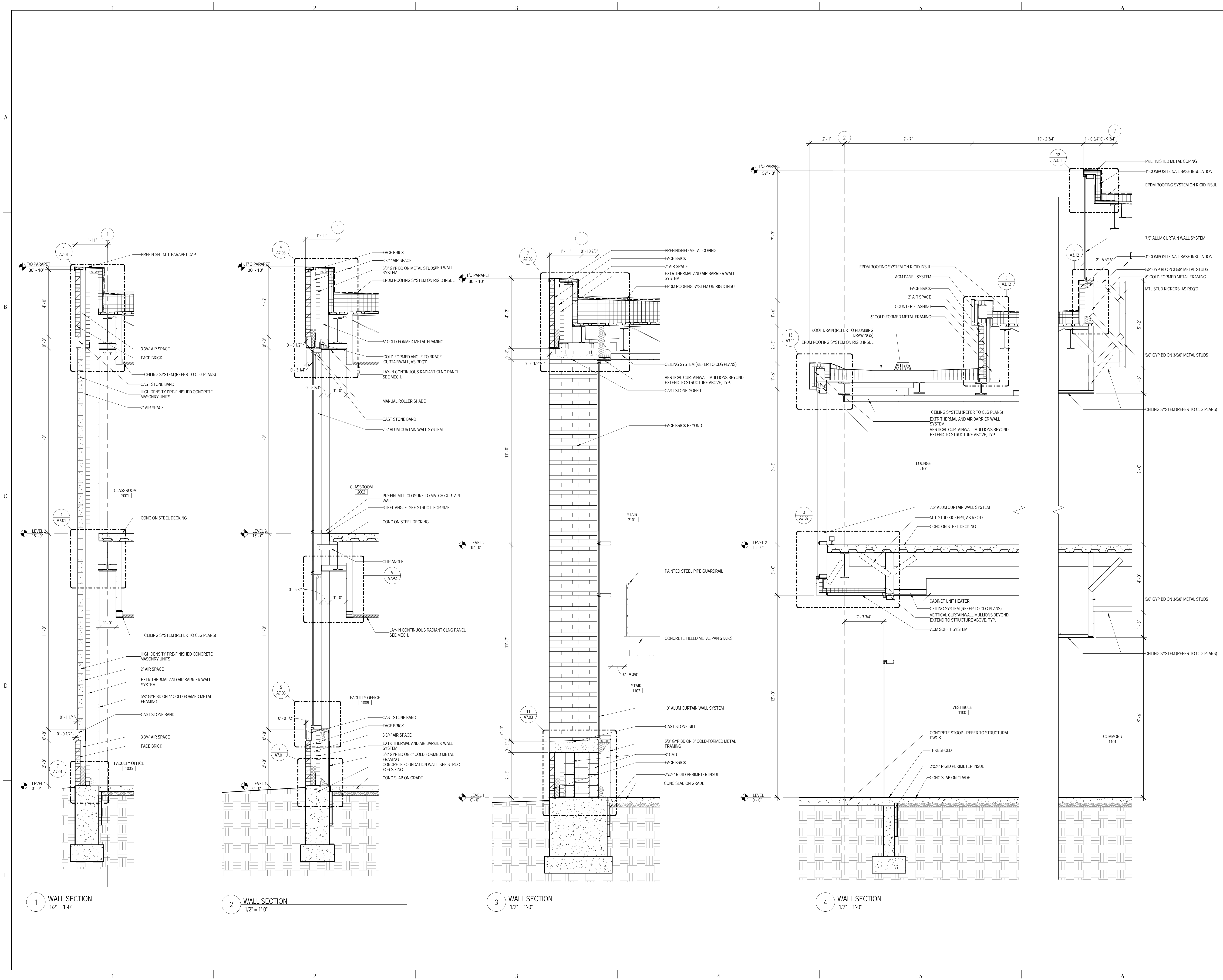
NO.	DESCRIPTION	DATE

SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

A6.02

9/18/2015 9:33:22 AM





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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

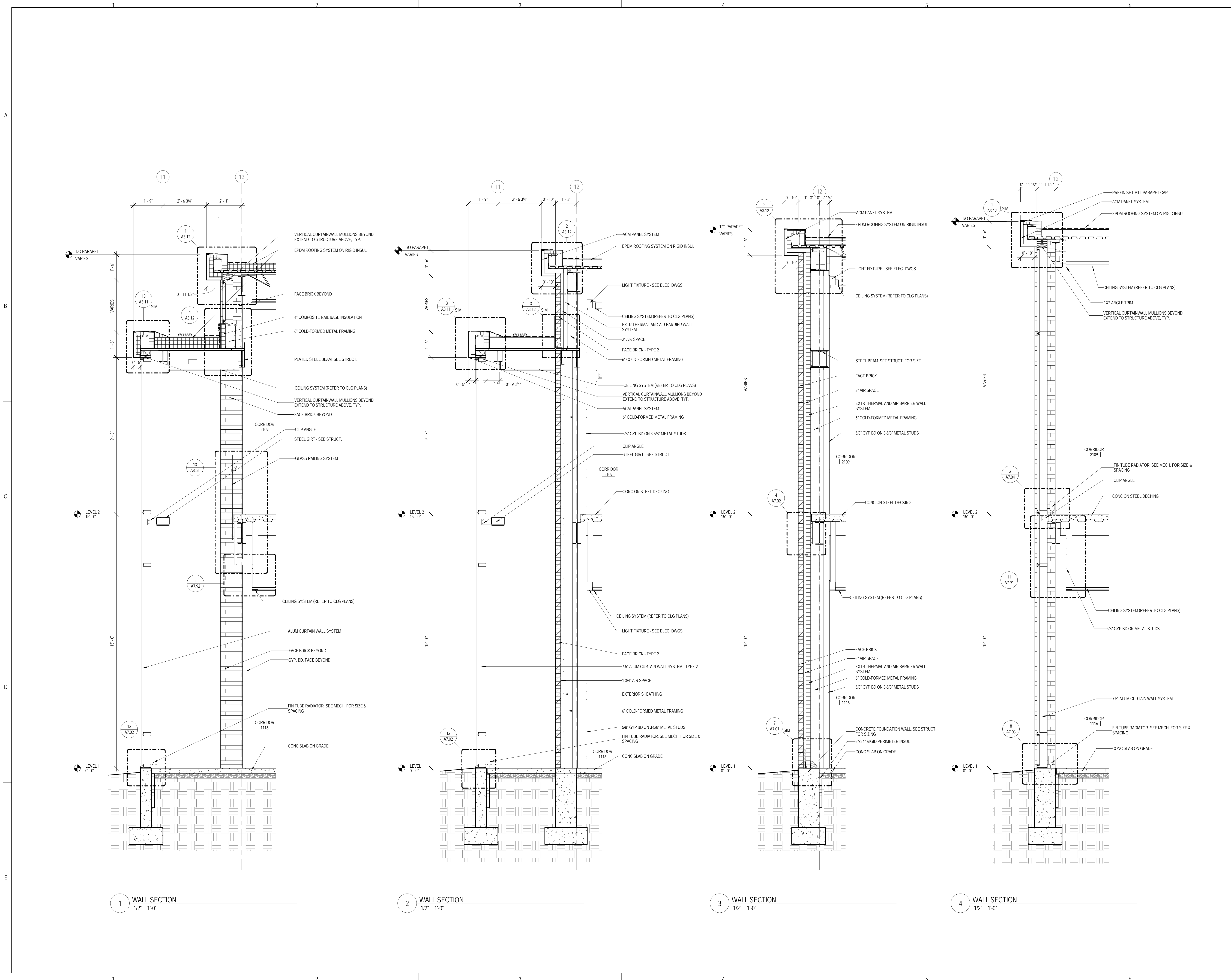
NO.	DESCRIPTION:	DATE:
1		

SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

A6.03

9/18/2015 9:33:28 AM





ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

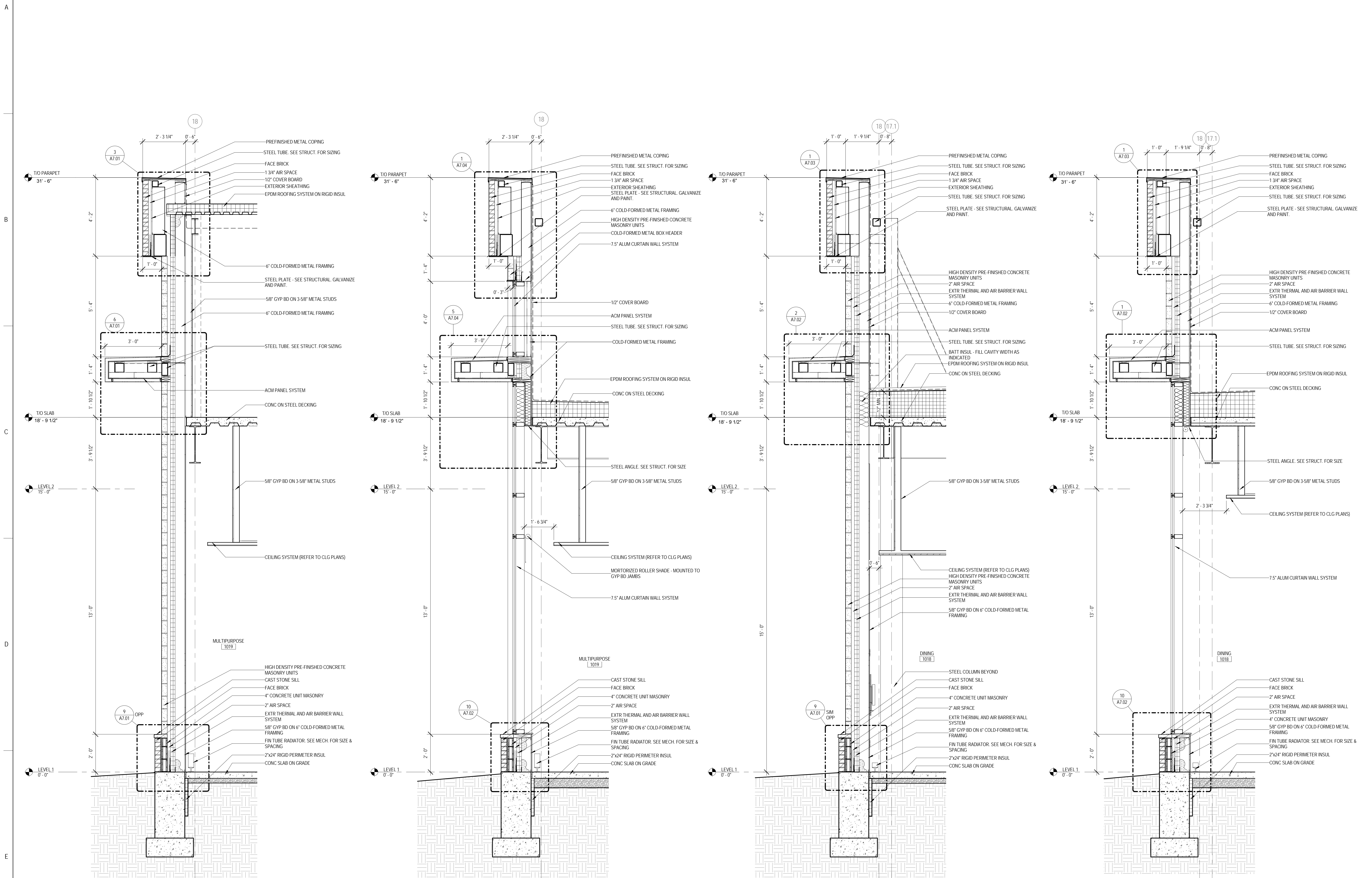
NO.	DESCRIPTION:	DATE:
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SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

A6.04

9/18/2015 9:33:35 AM



1 WALL SECTION
 1/2" = 1'-0"

2 WALL SECTION
 1/2" = 1'-0"

3 WALL SECTION
 1/2" = 1'-0"

4 WALL SECTION
 1/2" = 1'-0"



ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

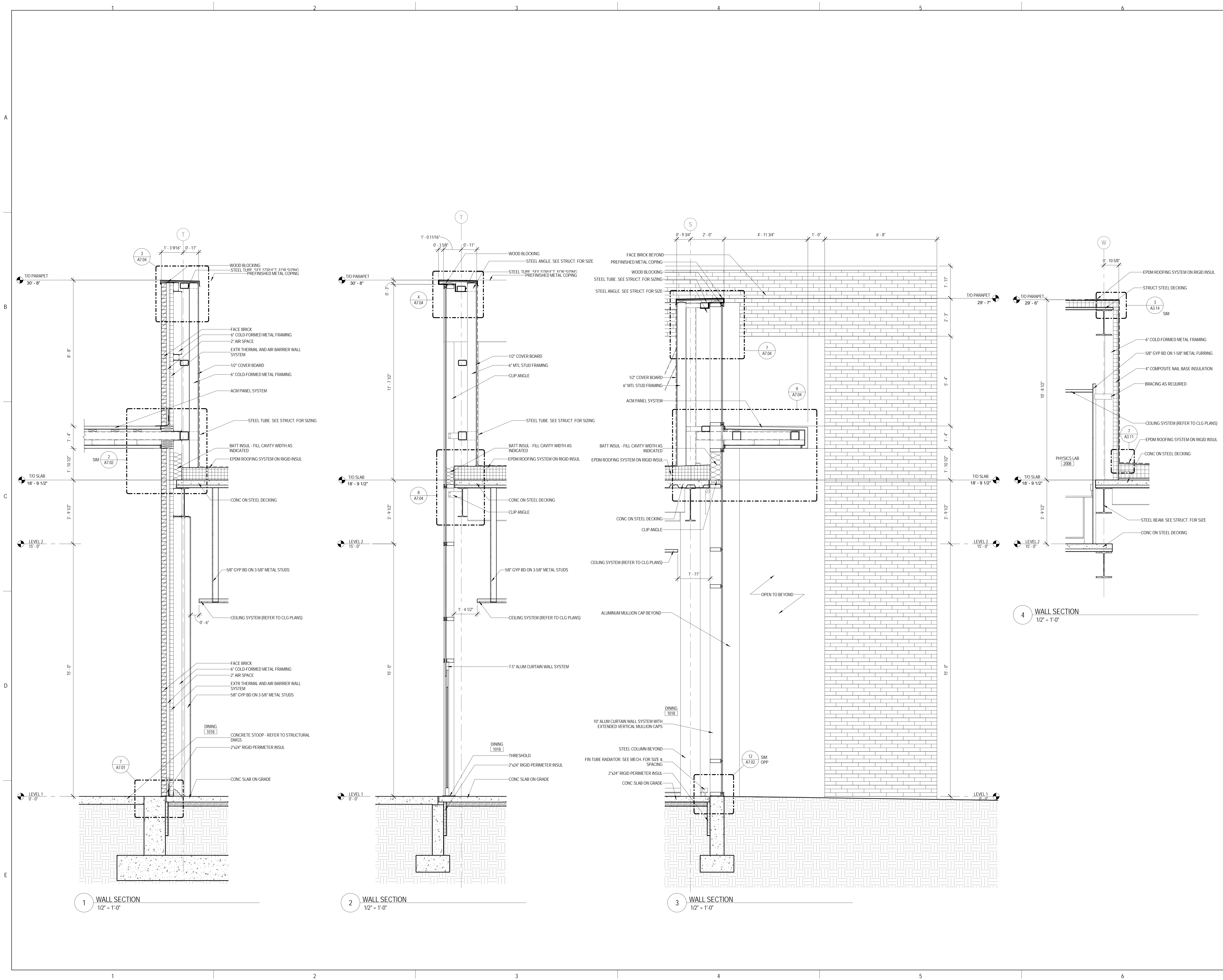
SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

A6.05



1 WALL SECTION
 1/2" = 1'-0"

2 WALL SECTION
 1/2" = 1'-0"

3 WALL SECTION
 1/2" = 1'-0"

4 WALL SECTION
 1/2" = 1'-0"



ARCHITECT OF RECORD
 DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/PFP ENGINEERING
 KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
 CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
 JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

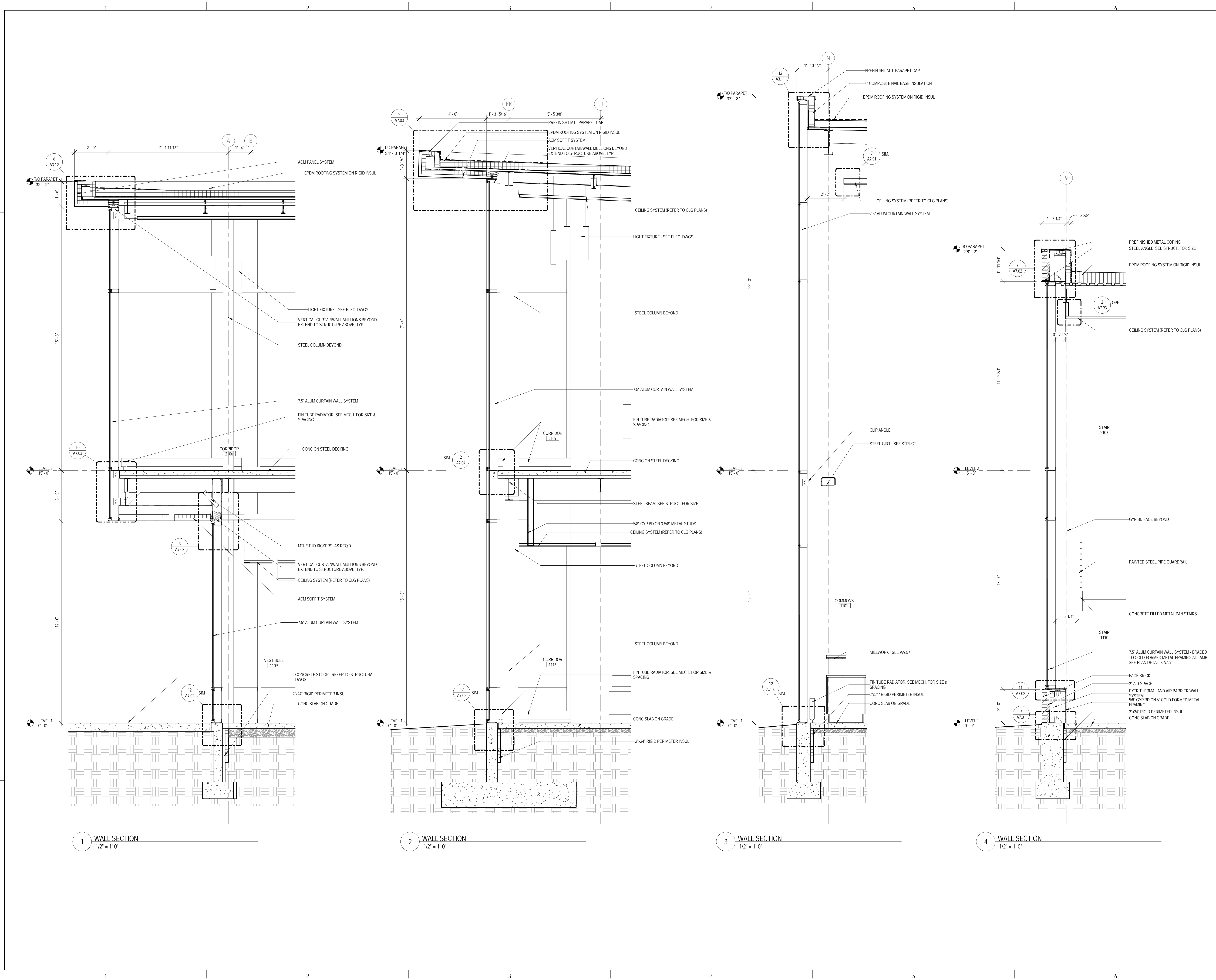
SHEET TITLE:

WALL SECTIONS

SHEET NUMBER:

A6.06

9/18/2015 9:33:47 AM



1 WALL SECTION
 1/2" = 1'-0"

2 WALL SECTION
 1/2" = 1'-0"

3 WALL SECTION
 1/2" = 1'-0"

4 WALL SECTION
 1/2" = 1'-0"



ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEPFP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

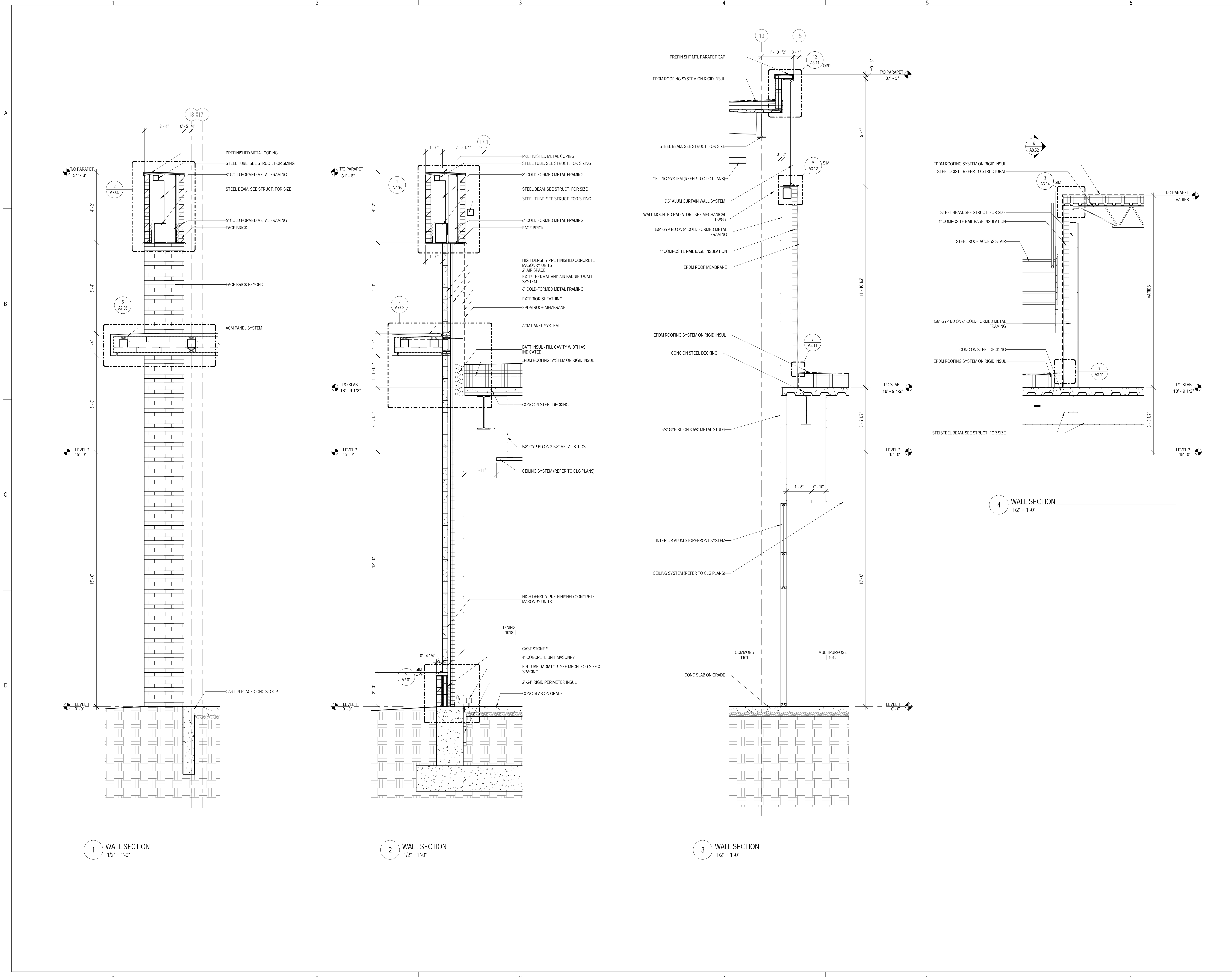
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SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

A6.07

9/18/2015 9:33:55 AM



1 WALL SECTION
 1/2" = 1'-0"

2 WALL SECTION
 1/2" = 1'-0"

3 WALL SECTION
 1/2" = 1'-0"

4 WALL SECTION
 1/2" = 1'-0"



ARCHITECT OF RECORD
 DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
 KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
 CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 815.298.0088

CONSTRUCTION MANAGER
 JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

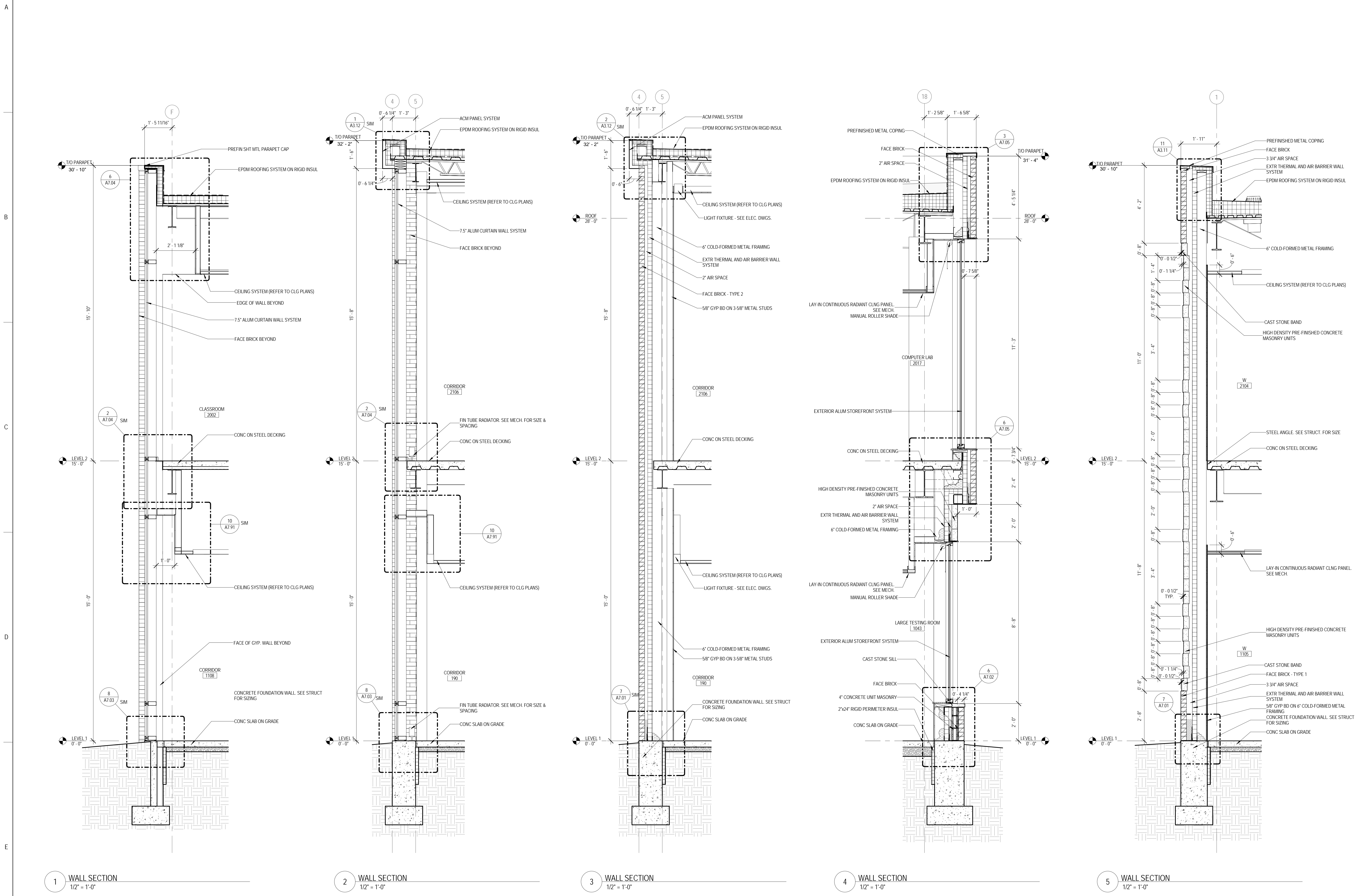
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

A6.08

9/18/2015 9:34:02 AM



1 WALL SECTION
 1/2" = 1'-0"

2 WALL SECTION
 1/2" = 1'-0"

3 WALL SECTION
 1/2" = 1'-0"

4 WALL SECTION
 1/2" = 1'-0"

5 WALL SECTION
 1/2" = 1'-0"



ARCHITECT OF RECORD
 DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
 KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
 CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
 JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

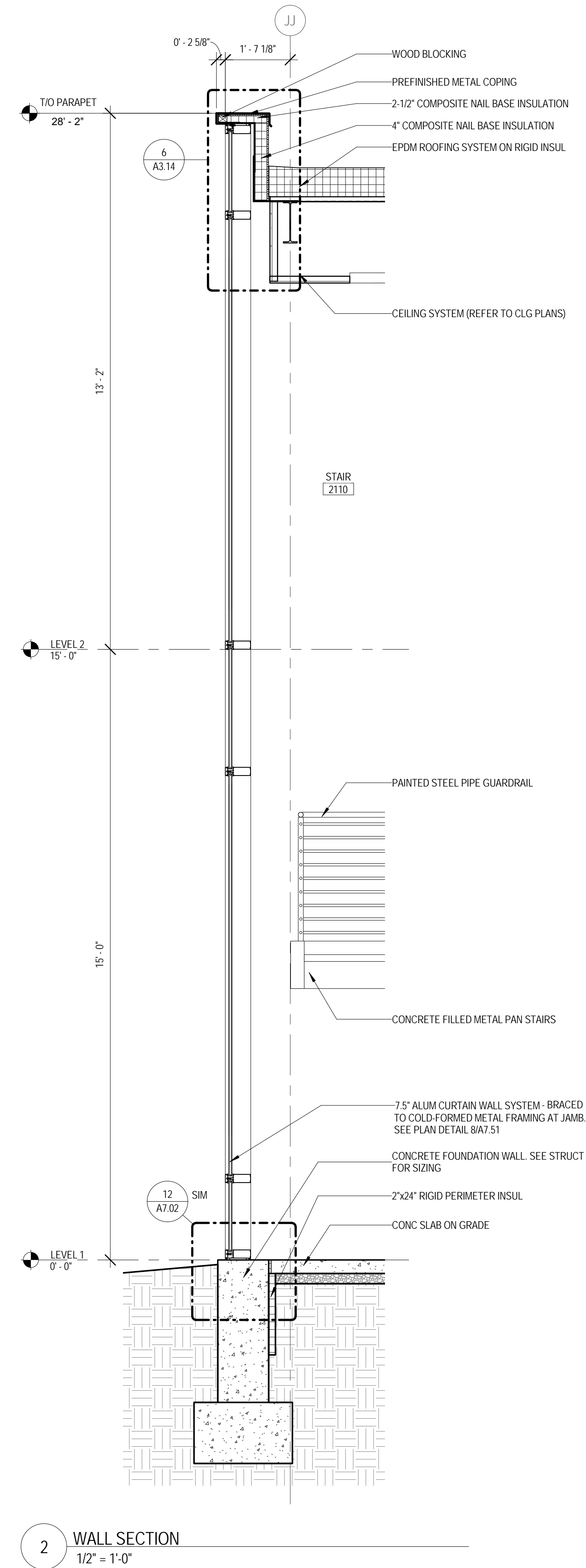
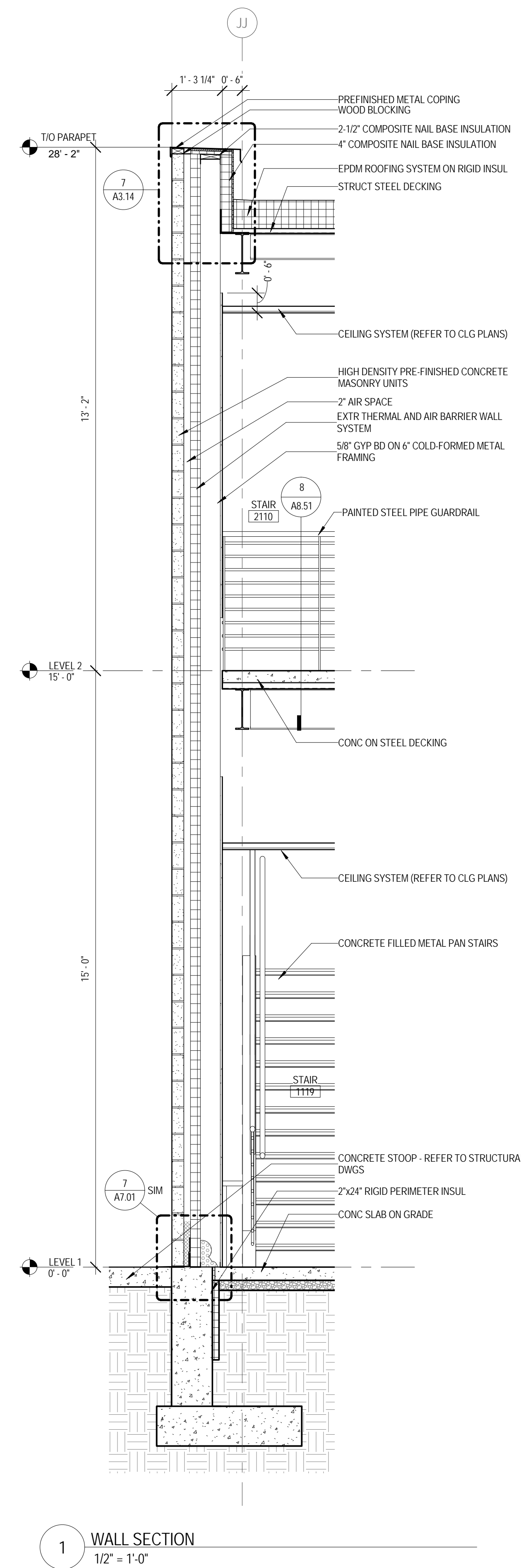
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
WALL SECTIONS

SHEET NUMBER:

A6.09

9/18/2015 9:34:06 AM





ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/PF ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:
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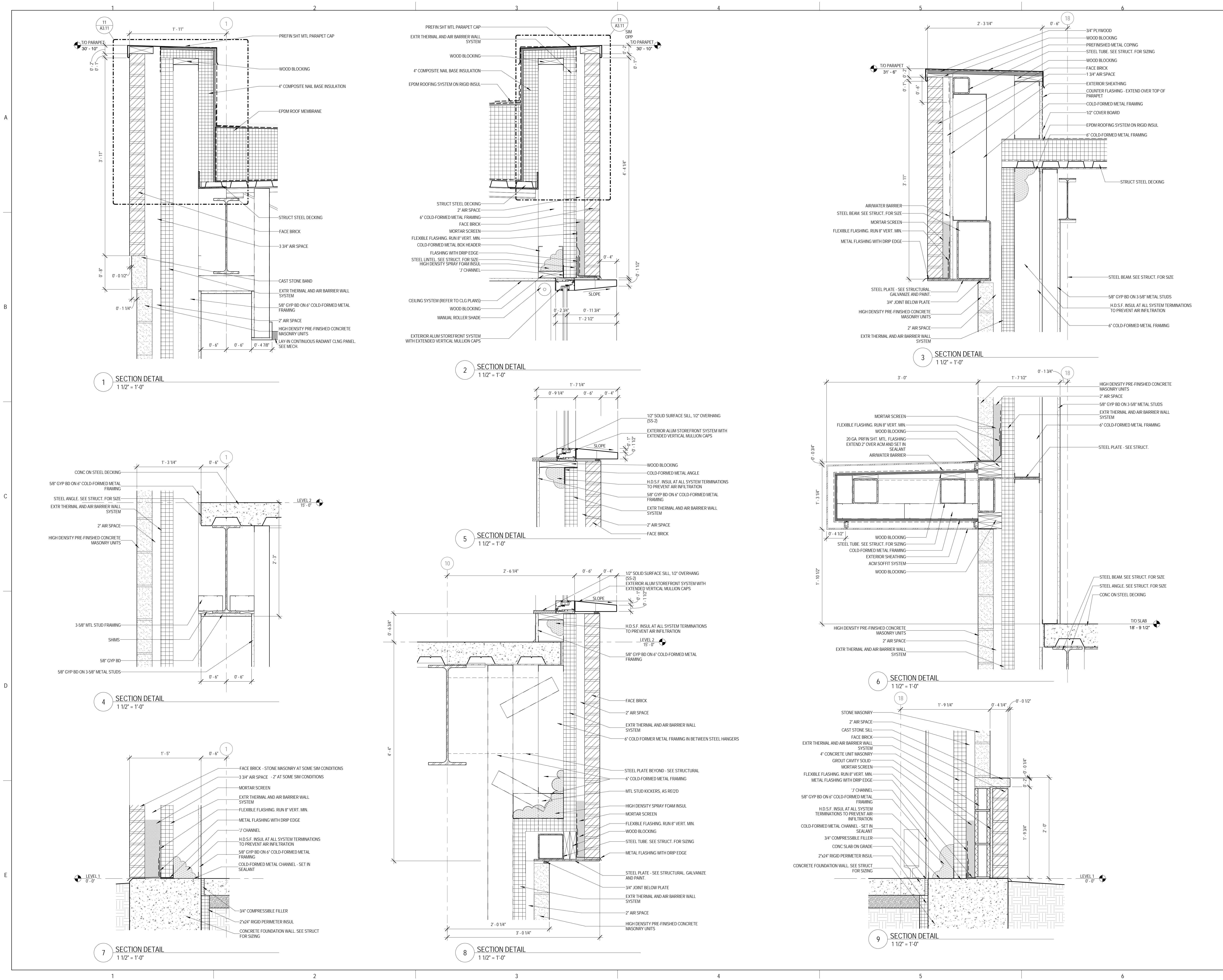
SHEET TITLE:

DETAILS

SHEET NUMBER:

A7.01

9/18/2015 9:34:14 AM



1 SECTION DETAIL
 1 1/2" = 1'-0"

2 SECTION DETAIL
 1 1/2" = 1'-0"

3 SECTION DETAIL
 1 1/2" = 1'-0"

5 SECTION DETAIL
 1 1/2" = 1'-0"

6 SECTION DETAIL
 1 1/2" = 1'-0"

4 SECTION DETAIL
 1 1/2" = 1'-0"

8 SECTION DETAIL
 1 1/2" = 1'-0"

9 SECTION DETAIL
 1 1/2" = 1'-0"

7 SECTION DETAIL
 1 1/2" = 1'-0"



ARCHITECT OF RECORD
 DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEER
 KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
 CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
 JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

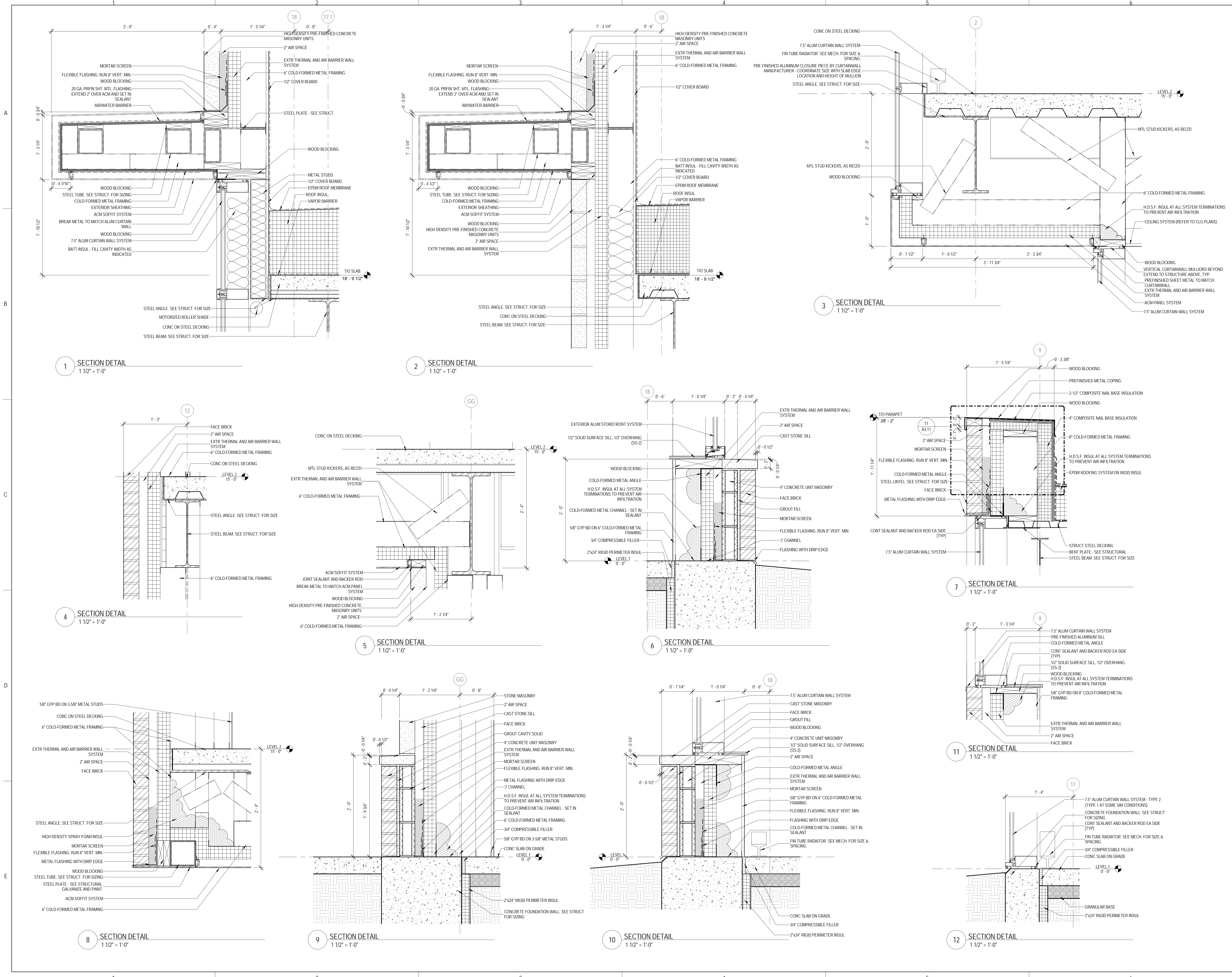
SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:
1		

SHEET TITLE:
DETAILS

SHEET NUMBER:
A7.02

9/18/2015 9:34:23 AM



1 SECTION DETAIL
 1 1/2" = 1'-0"

2 SECTION DETAIL
 1 1/2" = 1'-0"

3 SECTION DETAIL
 1 1/2" = 1'-0"

4 SECTION DETAIL
 1 1/2" = 1'-0"

5 SECTION DETAIL
 1 1/2" = 1'-0"

6 SECTION DETAIL
 1 1/2" = 1'-0"

7 SECTION DETAIL
 1 1/2" = 1'-0"

11 SECTION DETAIL
 1 1/2" = 1'-0"

12 SECTION DETAIL
 1 1/2" = 1'-0"

8 SECTION DETAIL
 1 1/2" = 1'-0"

9 SECTION DETAIL
 1 1/2" = 1'-0"

10 SECTION DETAIL
 1 1/2" = 1'-0"



ARCHITECT OF RECORD
 DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
 KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
 CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
 JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

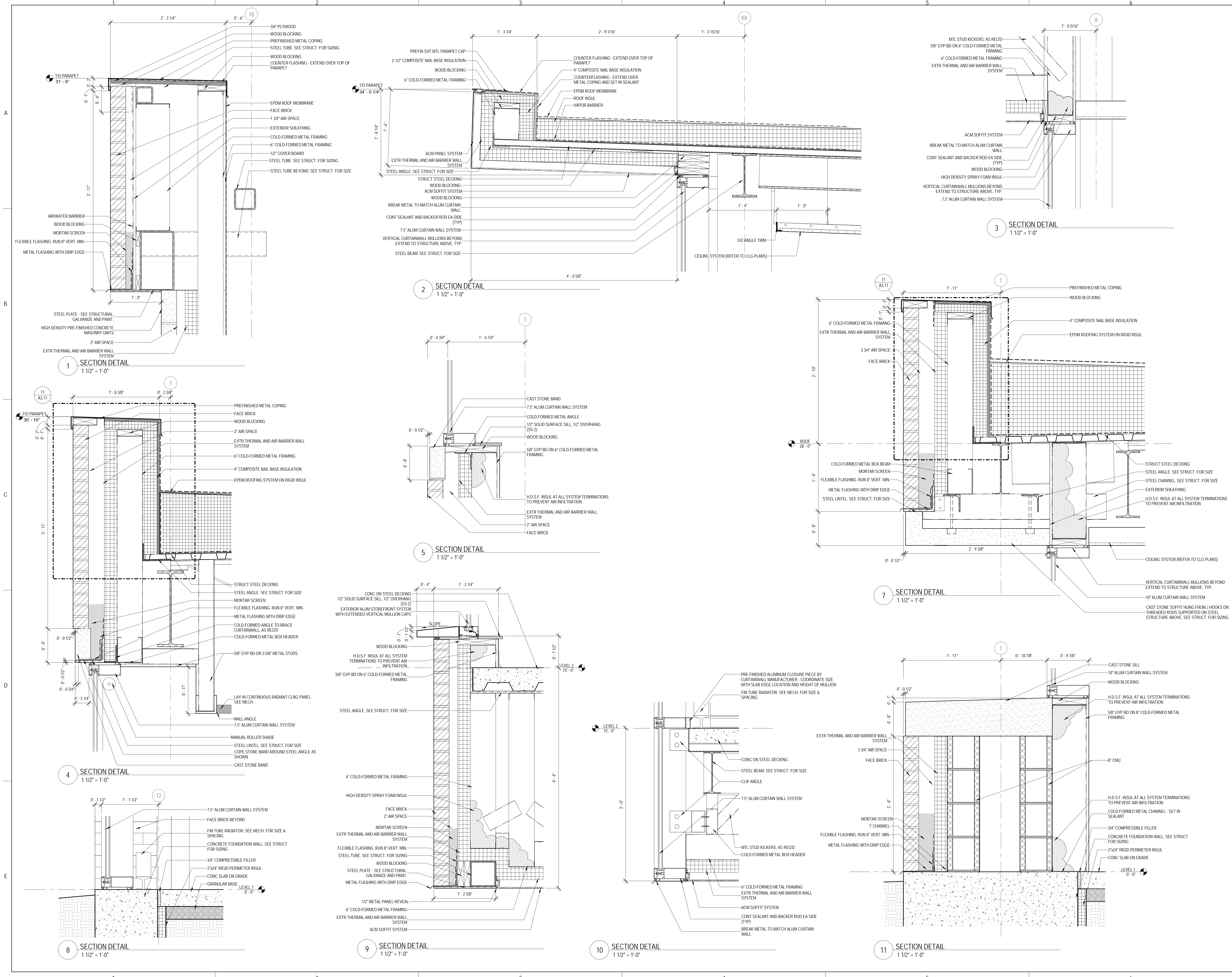
SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:
1		

SHEET TITLE:
DETAILS

SHEET NUMBER:
A7.03

9/18/2015 9:34:31 AM



1 SECTION DETAIL
 1 1/2" = 1'-0"

2 SECTION DETAIL
 1 1/2" = 1'-0"

3 SECTION DETAIL
 1 1/2" = 1'-0"

5 SECTION DETAIL
 1 1/2" = 1'-0"

7 SECTION DETAIL
 1 1/2" = 1'-0"

4 SECTION DETAIL
 1 1/2" = 1'-0"

8 SECTION DETAIL
 1 1/2" = 1'-0"

9 SECTION DETAIL
 1 1/2" = 1'-0"

10 SECTION DETAIL
 1 1/2" = 1'-0"

11 SECTION DETAIL
 1 1/2" = 1'-0"



ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/PF ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

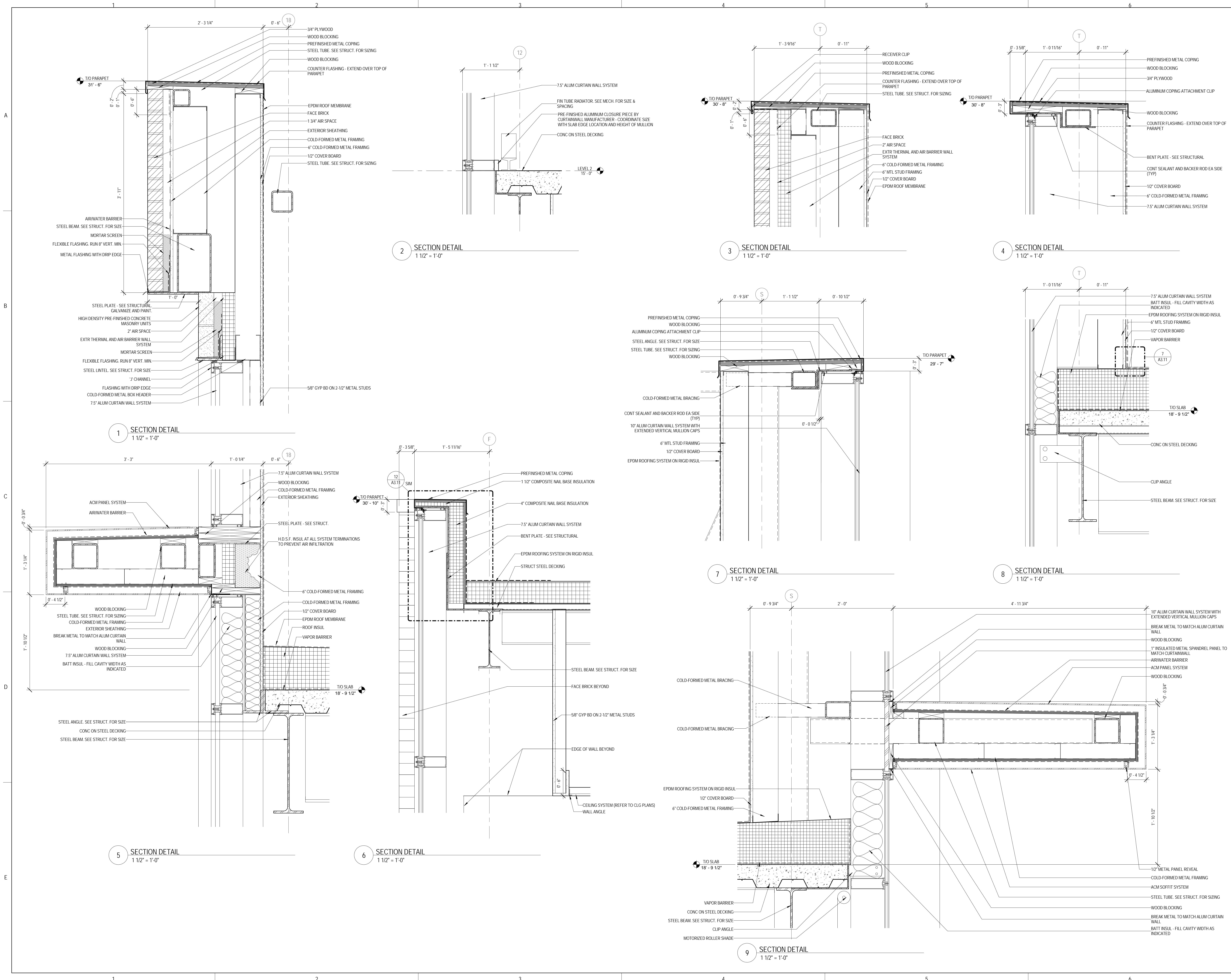
SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION	DATE

SHEET TITLE:
DETAILS

SHEET NUMBER:
A7.04

9/18/2015 9:34:38 AM





ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/PF ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

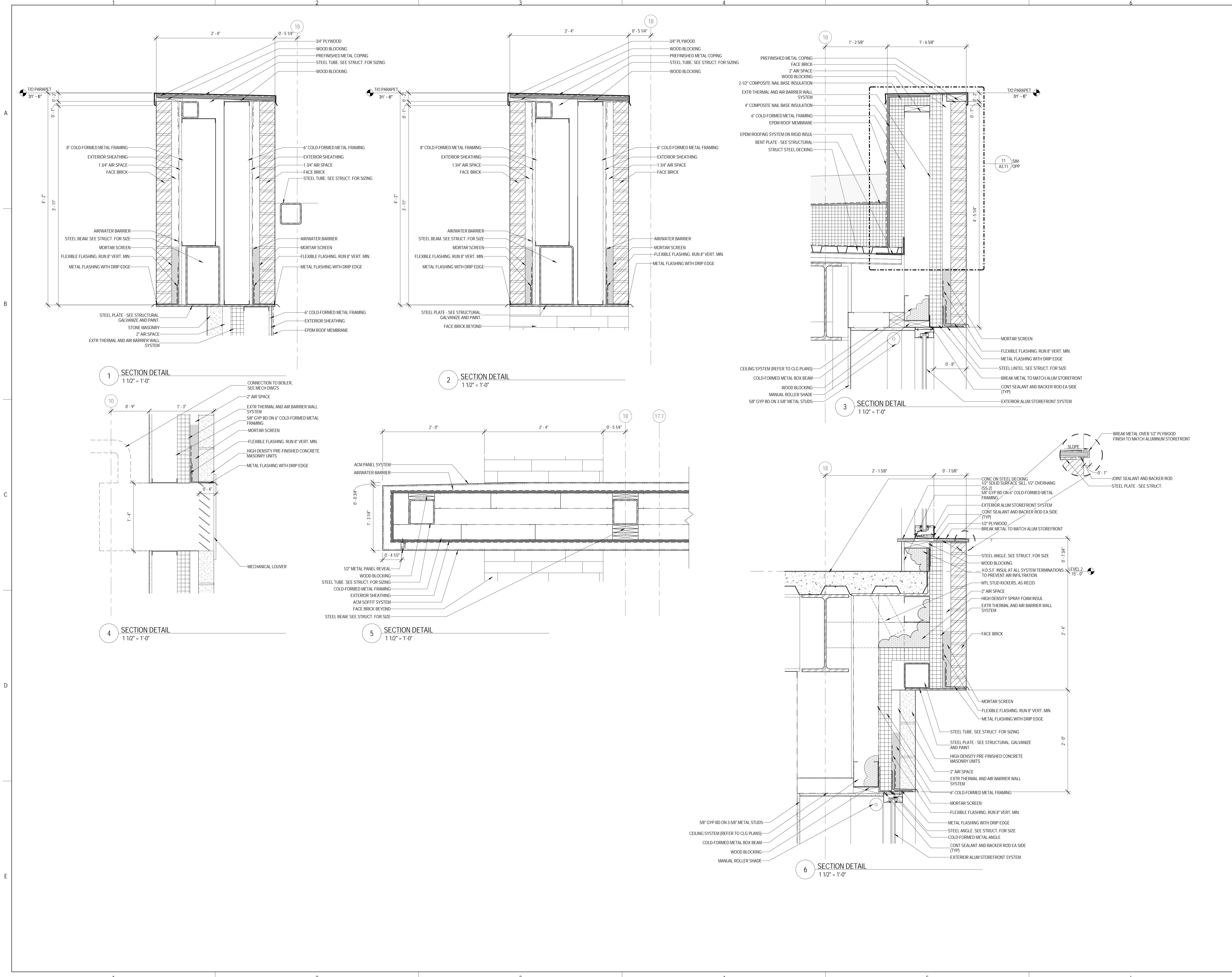
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
DETAILS

SHEET NUMBER:

A7.05

9/18/2015 9:34:43 AM



1 SECTION DETAIL
 1 1/2" = 1'-0"

2 SECTION DETAIL
 1 1/2" = 1'-0"

3 SECTION DETAIL
 1 1/2" = 1'-0"

4 SECTION DETAIL
 1 1/2" = 1'-0"

5 SECTION DETAIL
 1 1/2" = 1'-0"

6 SECTION DETAIL
 1 1/2" = 1'-0"



ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

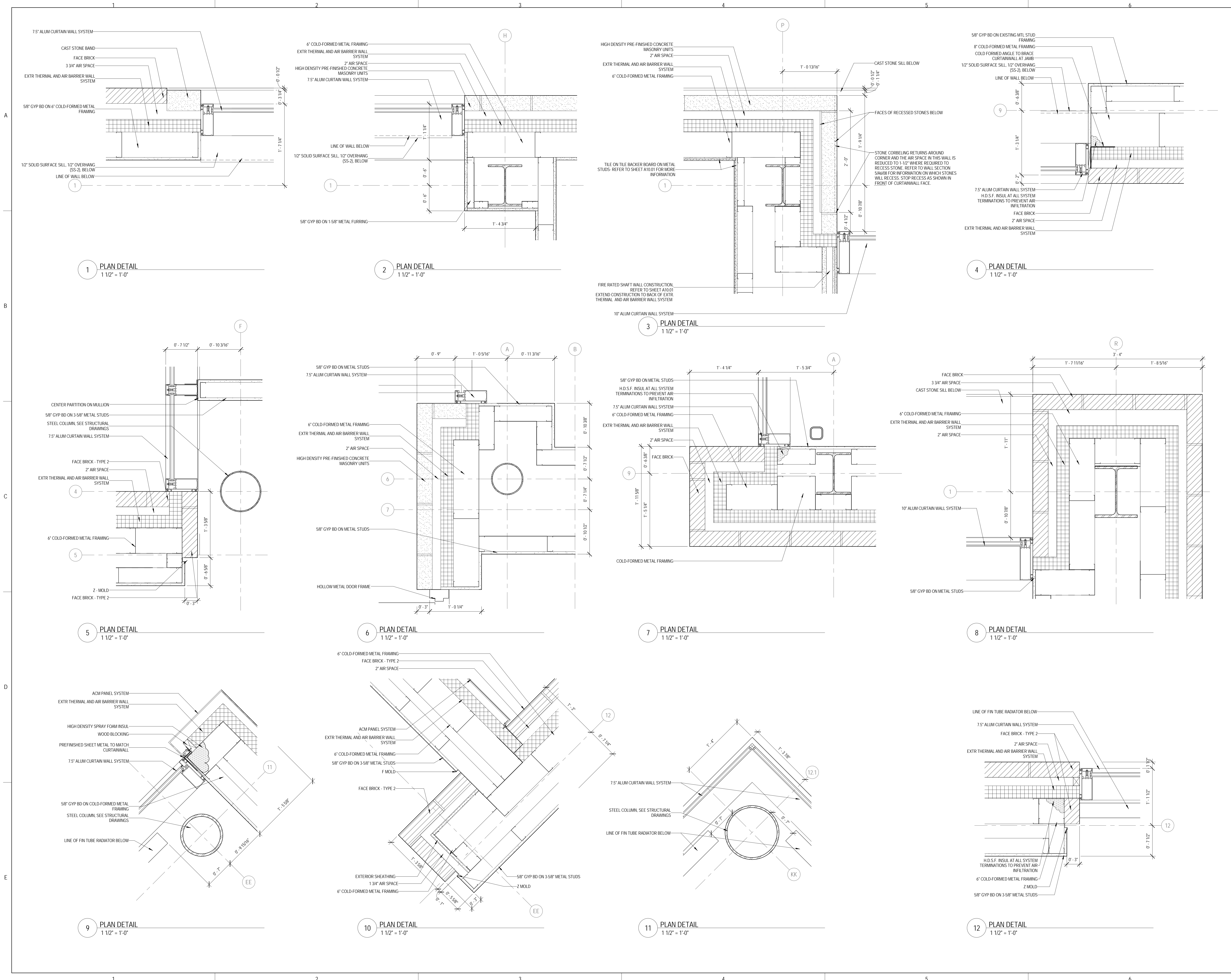
NO.	DESCRIPTION	DATE
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SHEET TITLE:
PLAN DETAILS

SHEET NUMBER:

A7.51

9/18/2015 9:34:54 AM



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2 PLAN DETAIL
 1 1/2" = 1'-0"

3 PLAN DETAIL
 1 1/2" = 1'-0"

4 PLAN DETAIL
 1 1/2" = 1'-0"

5 PLAN DETAIL
 1 1/2" = 1'-0"

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

7 PLAN DETAIL
 1 1/2" = 1'-0"

8 PLAN DETAIL
 1 1/2" = 1'-0"

9 PLAN DETAIL
 1 1/2" = 1'-0"

10 PLAN DETAIL
 1 1/2" = 1'-0"

11 PLAN DETAIL
 1 1/2" = 1'-0"

12 PLAN DETAIL
 1 1/2" = 1'-0"



ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE 400
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

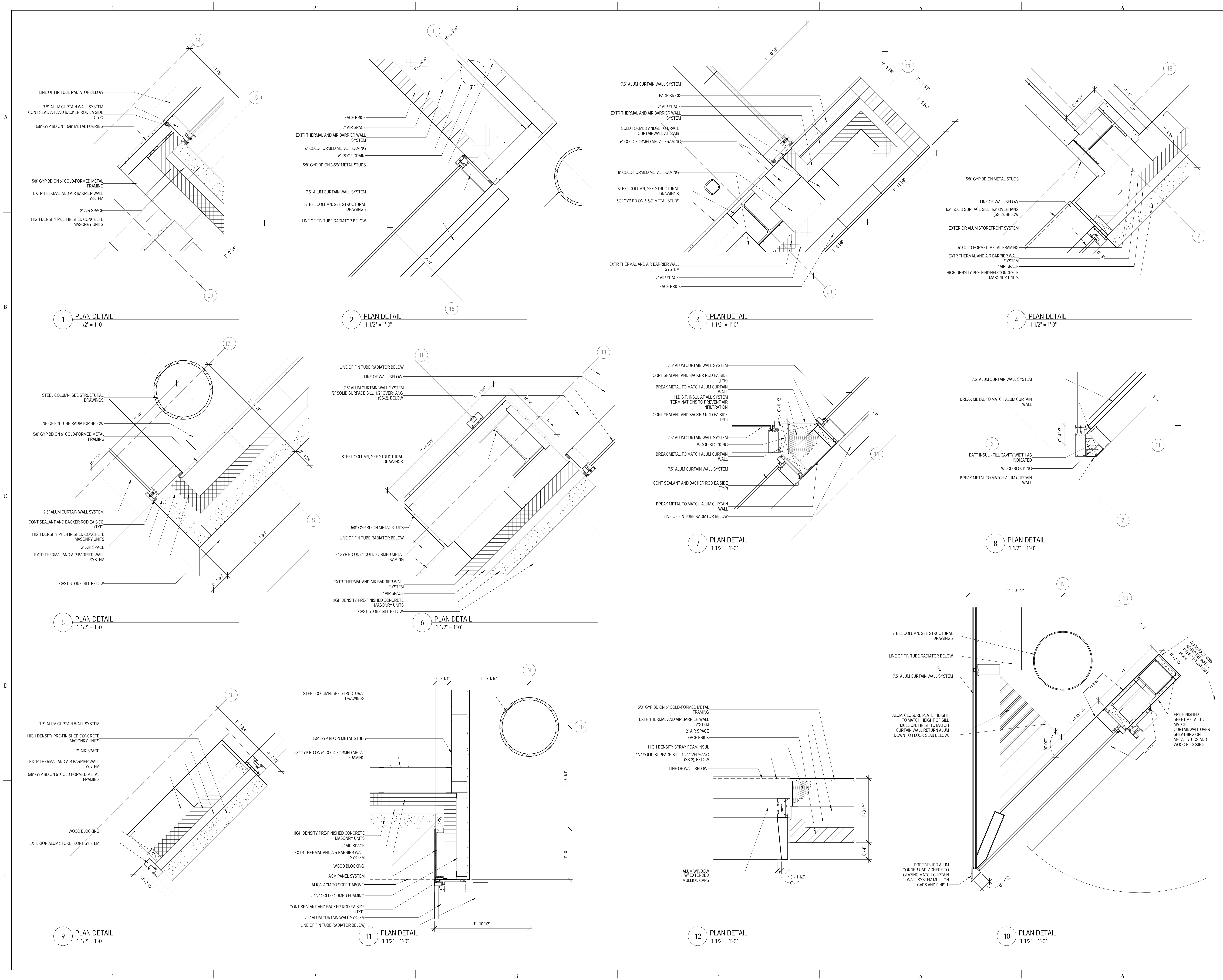
SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:
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SHEET TITLE:
PLAN DETAILS

SHEET NUMBER:
A7.52

9/18/2015 9:35:07 AM





ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

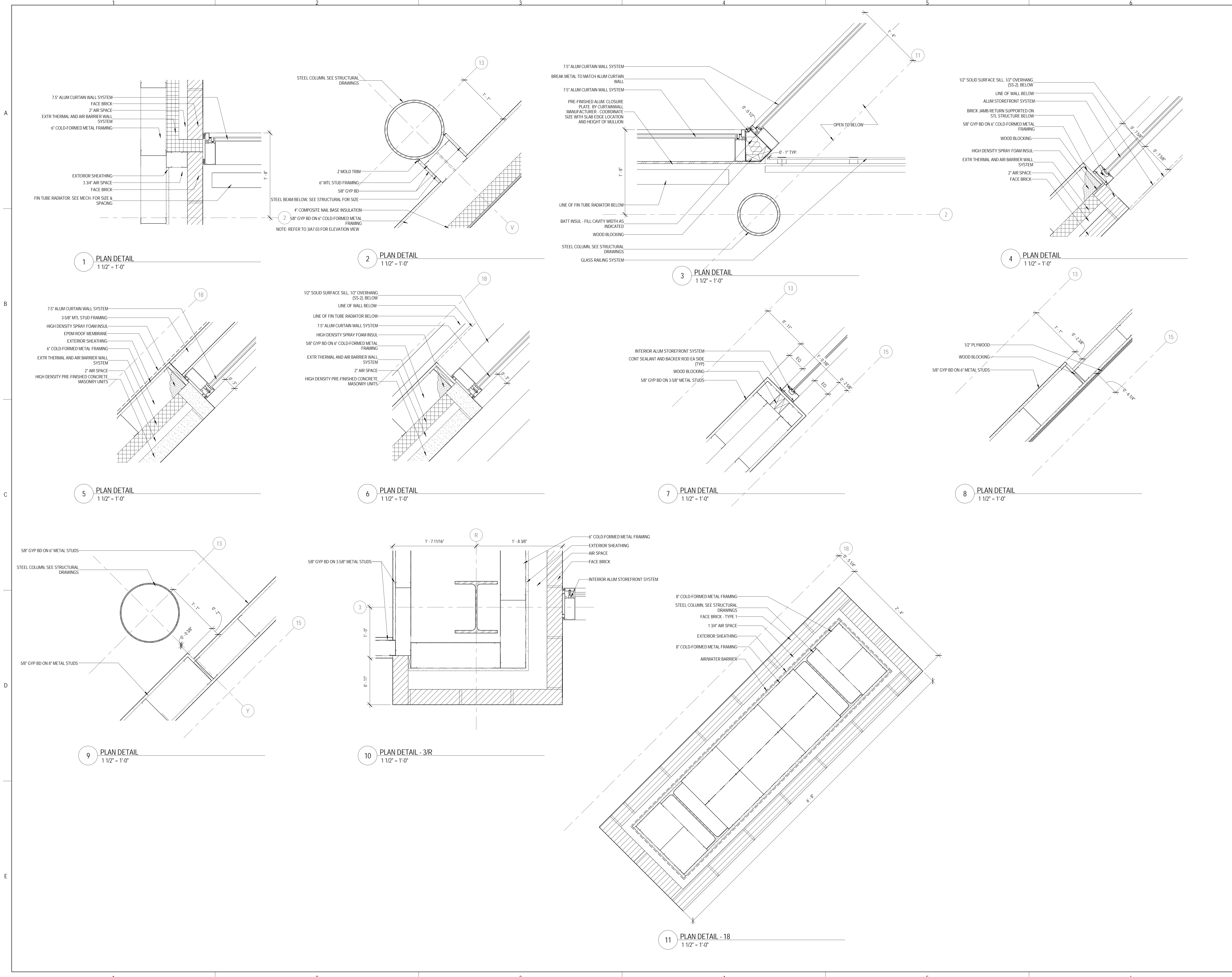
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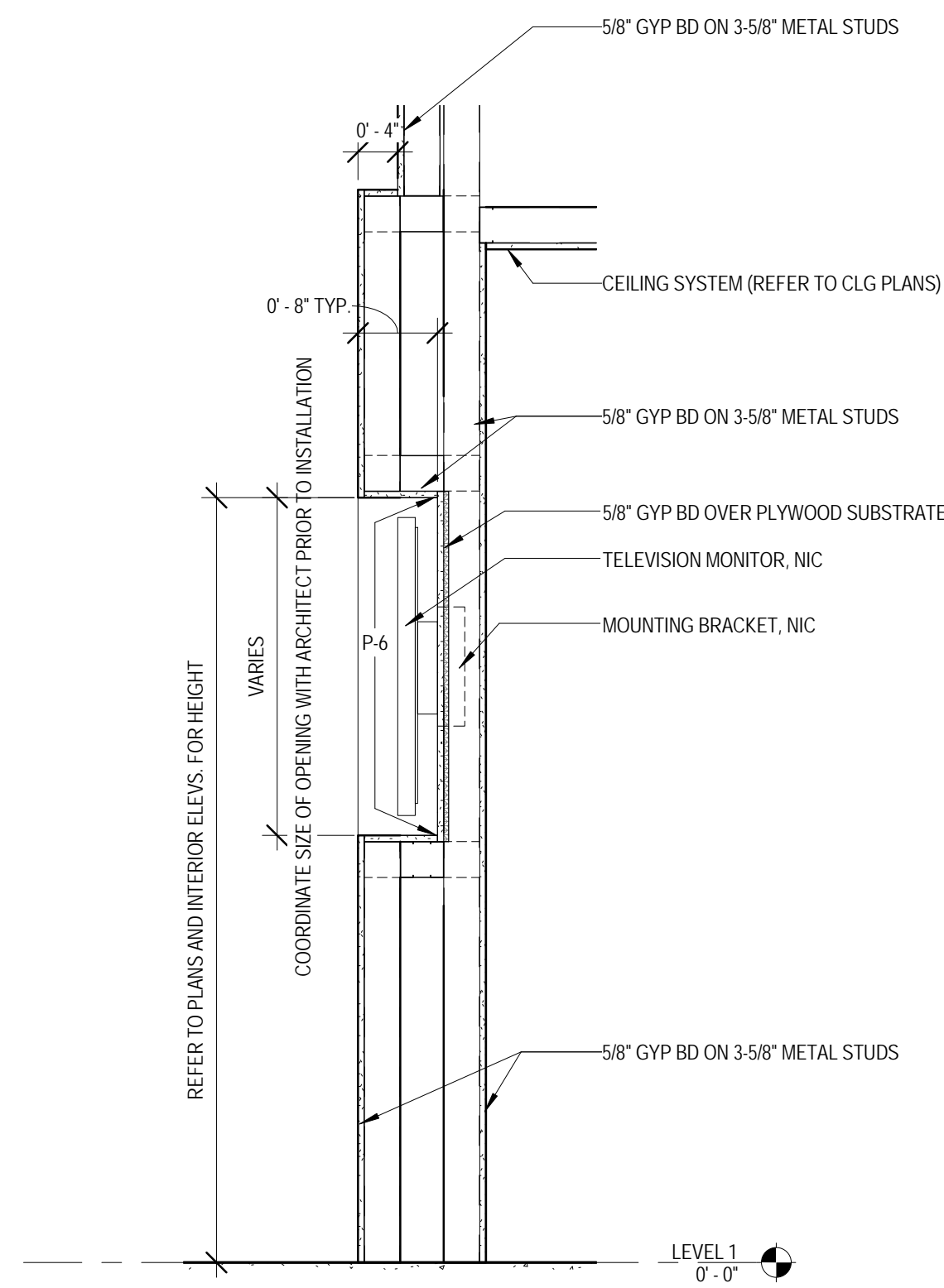
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PLAN DETAILS

SHEET NUMBER:

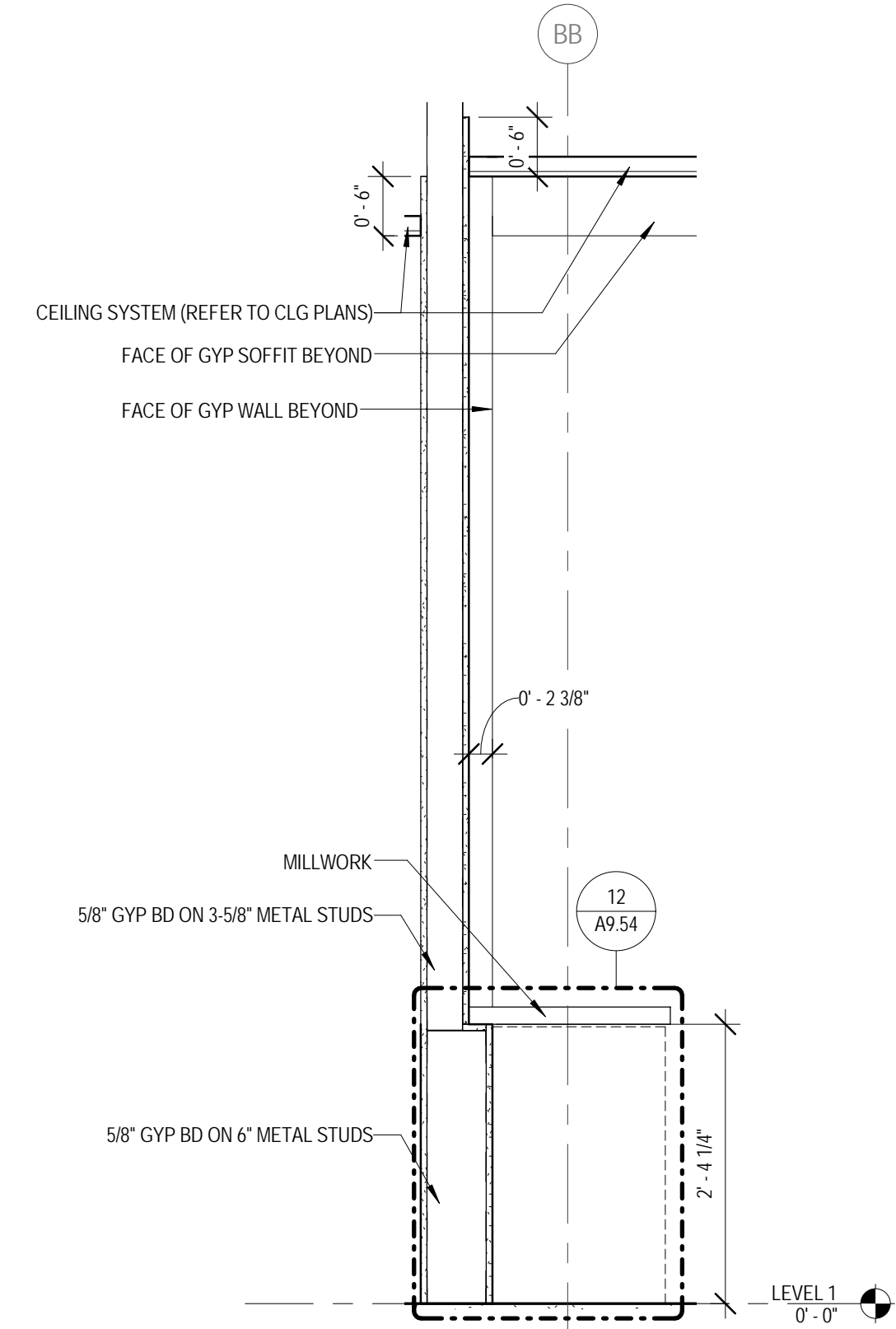
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9/18/2015 9:35:22 AM

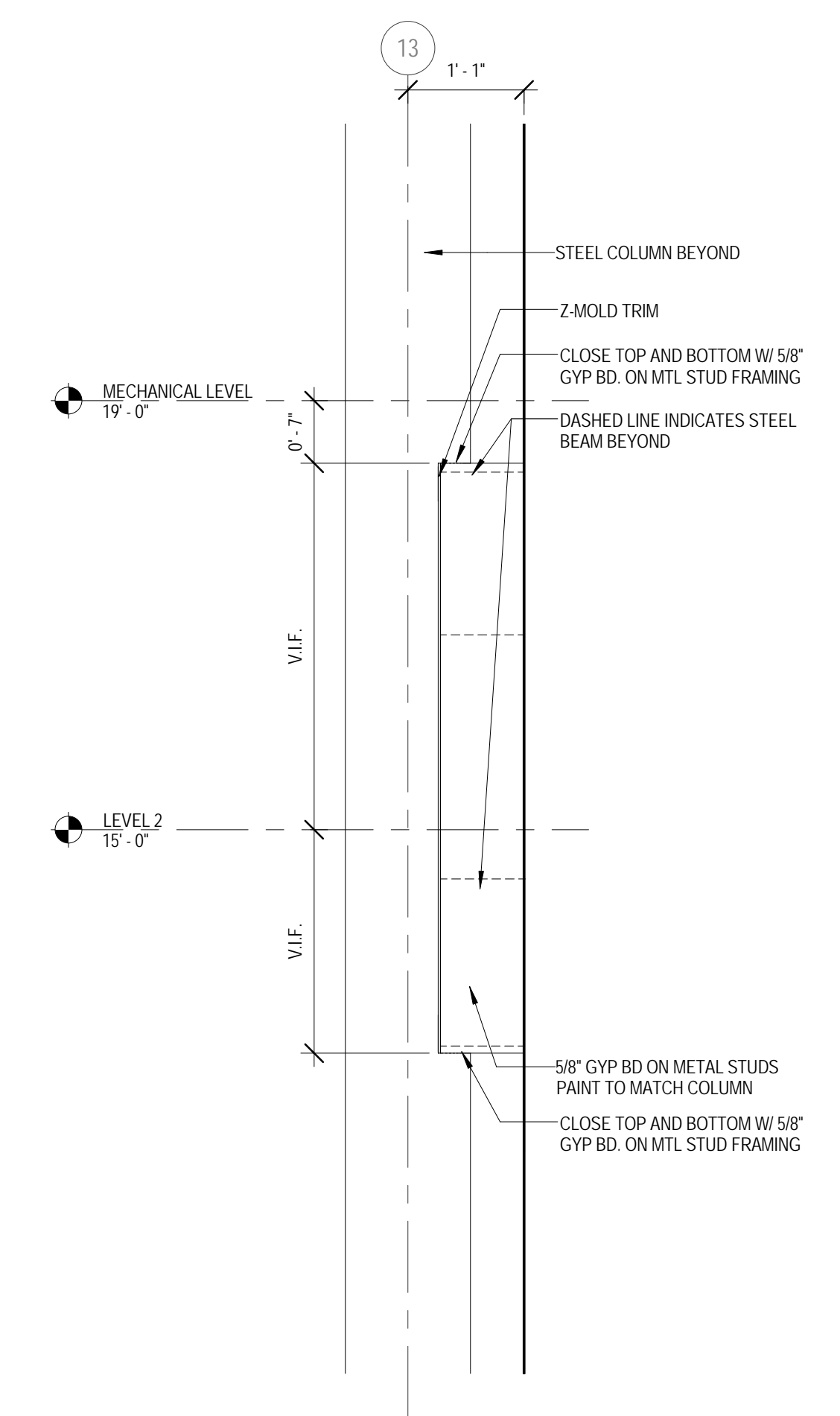




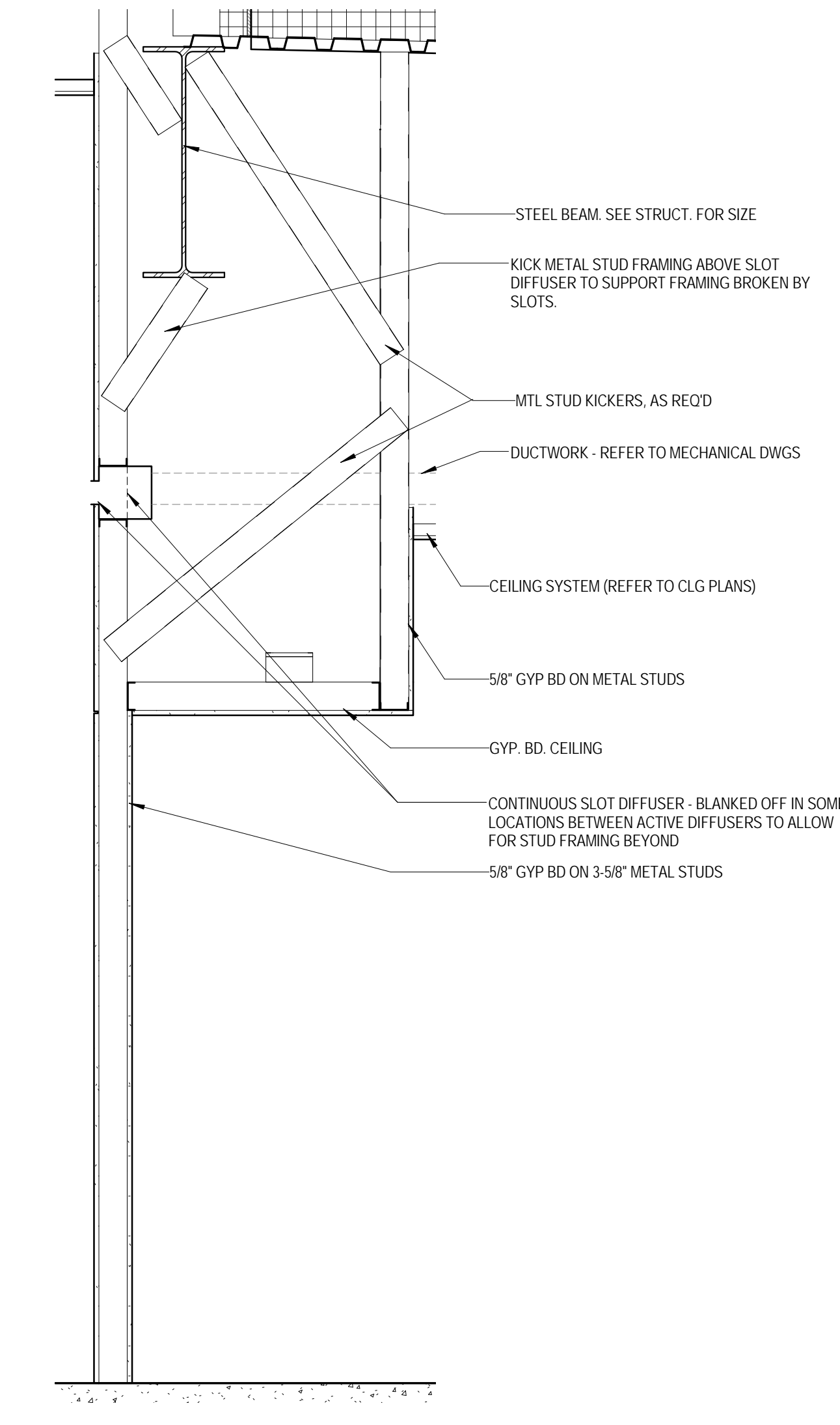
1 INTERIOR WALL SECTION - TYPICAL MONITOR RECESS
 3/4" = 1'-0"



2 INTERIOR WALL SECTION - STUDENT SERVICES
 3/4" = 1'-0"



3 INTERIOR WALL SECTION - BEAM ENCLOSURE @
 ATRIUM COLUMN
 3/4" = 1'-0"



4 INTERIOR WALL SECTION - LINEAR DIFFUSER @
 CORRIDOR 2109
 3/4" = 1'-0"

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
INTERIOR DETAILS

SHEET NUMBER:
A7.81



ARCHITECT OF RECORD
 DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/PFP ENGINEERING
 KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
 CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
 JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

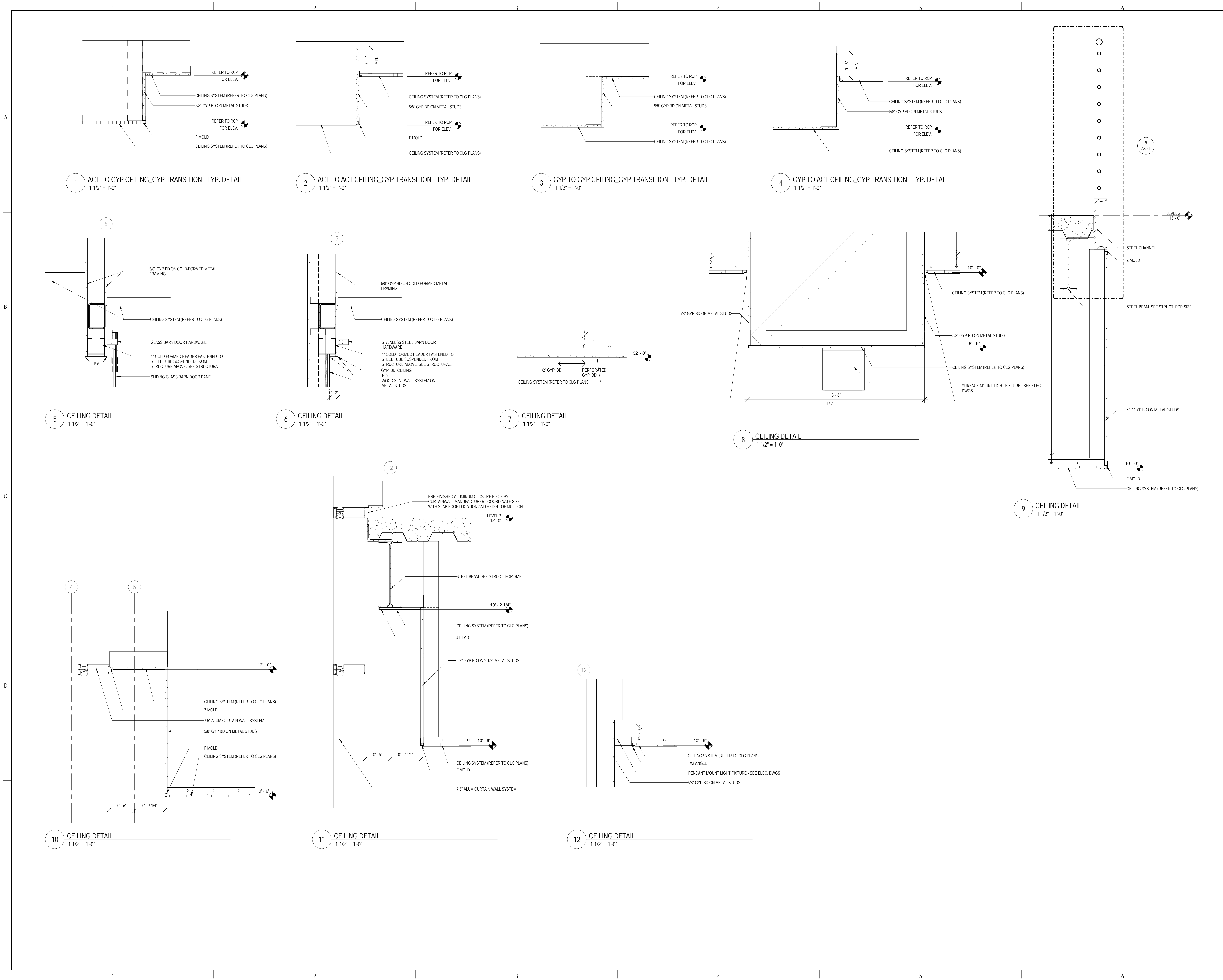
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
CEILING DETAILS

SHEET NUMBER:

A7.91

9/18/2015 9:35:31 AM



**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

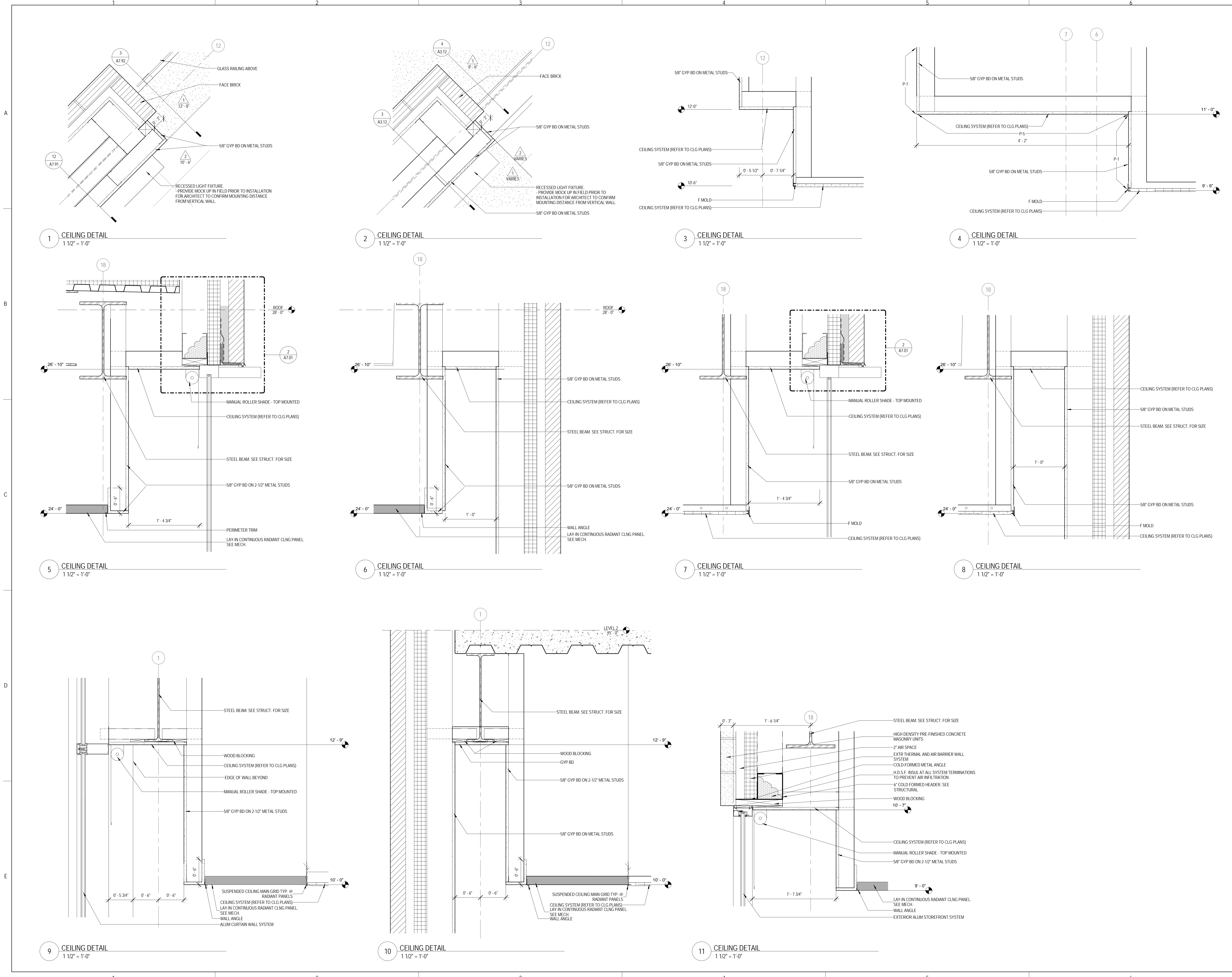
SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
CEILING DETAILS

SHEET NUMBER:

A7.92





ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

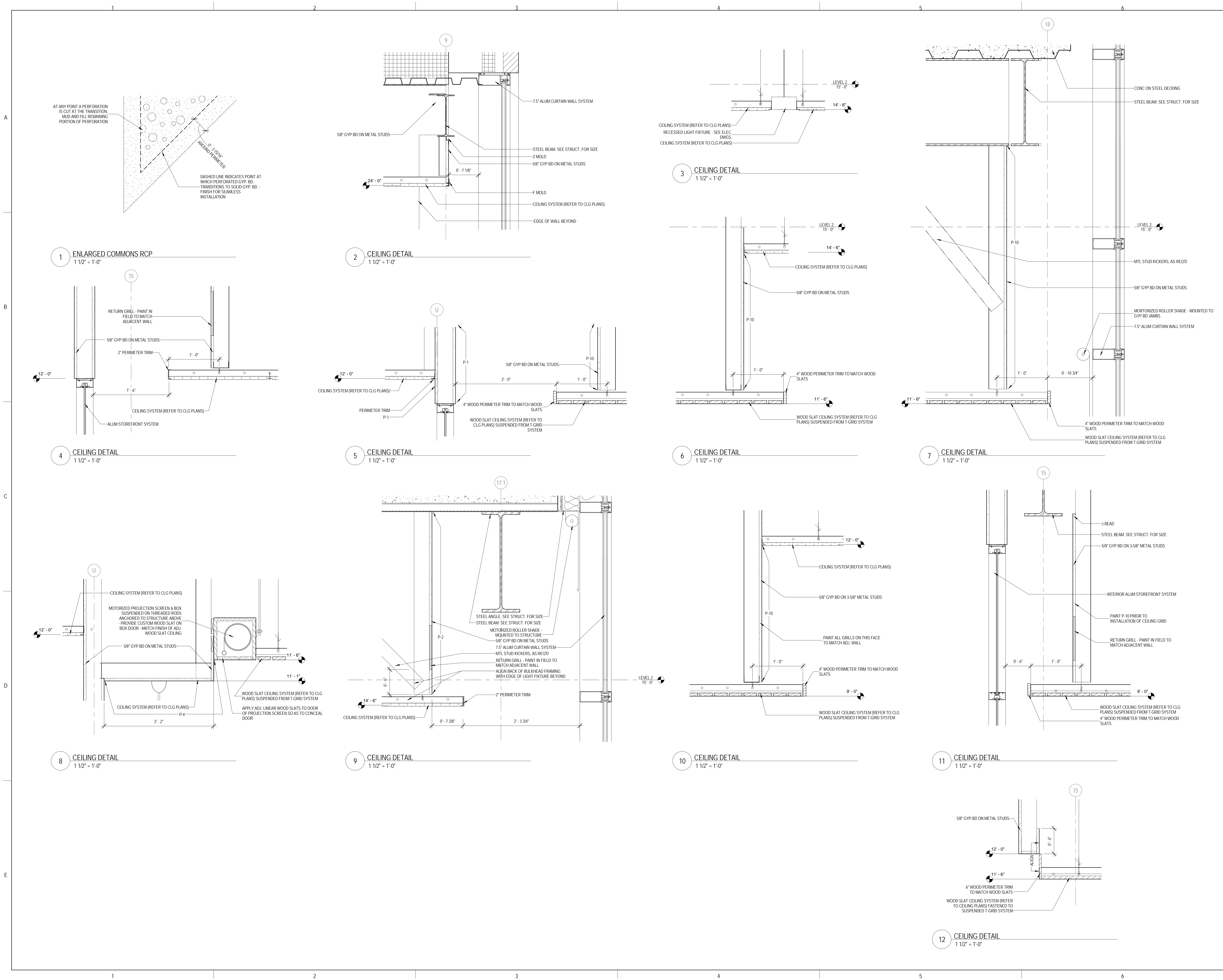
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SHEET TITLE:
CEILING DETAILS

SHEET NUMBER:

A7.93

9/18/2015 9:35:45 AM





ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

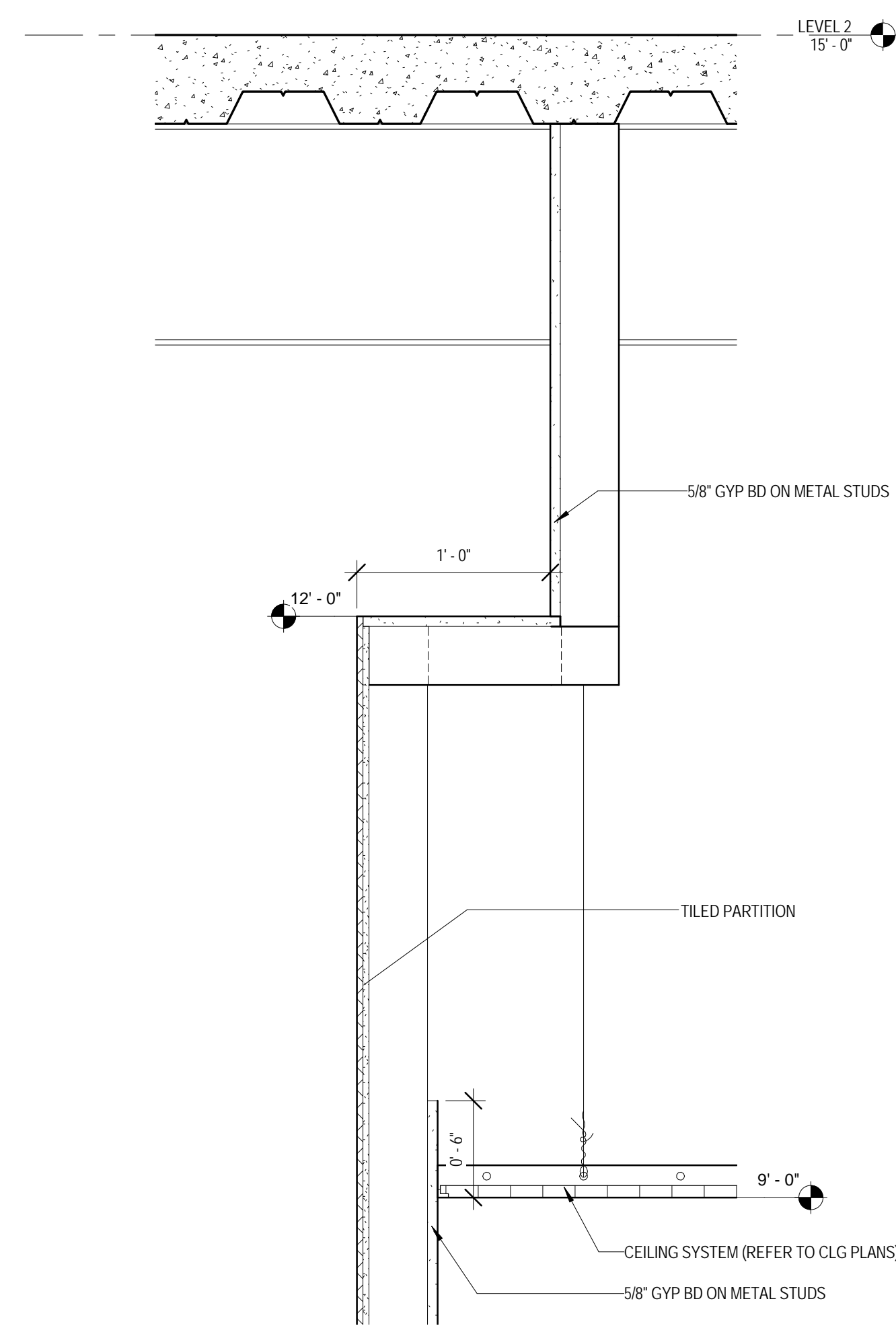
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SHEET TITLE:
CEILING DETAILS

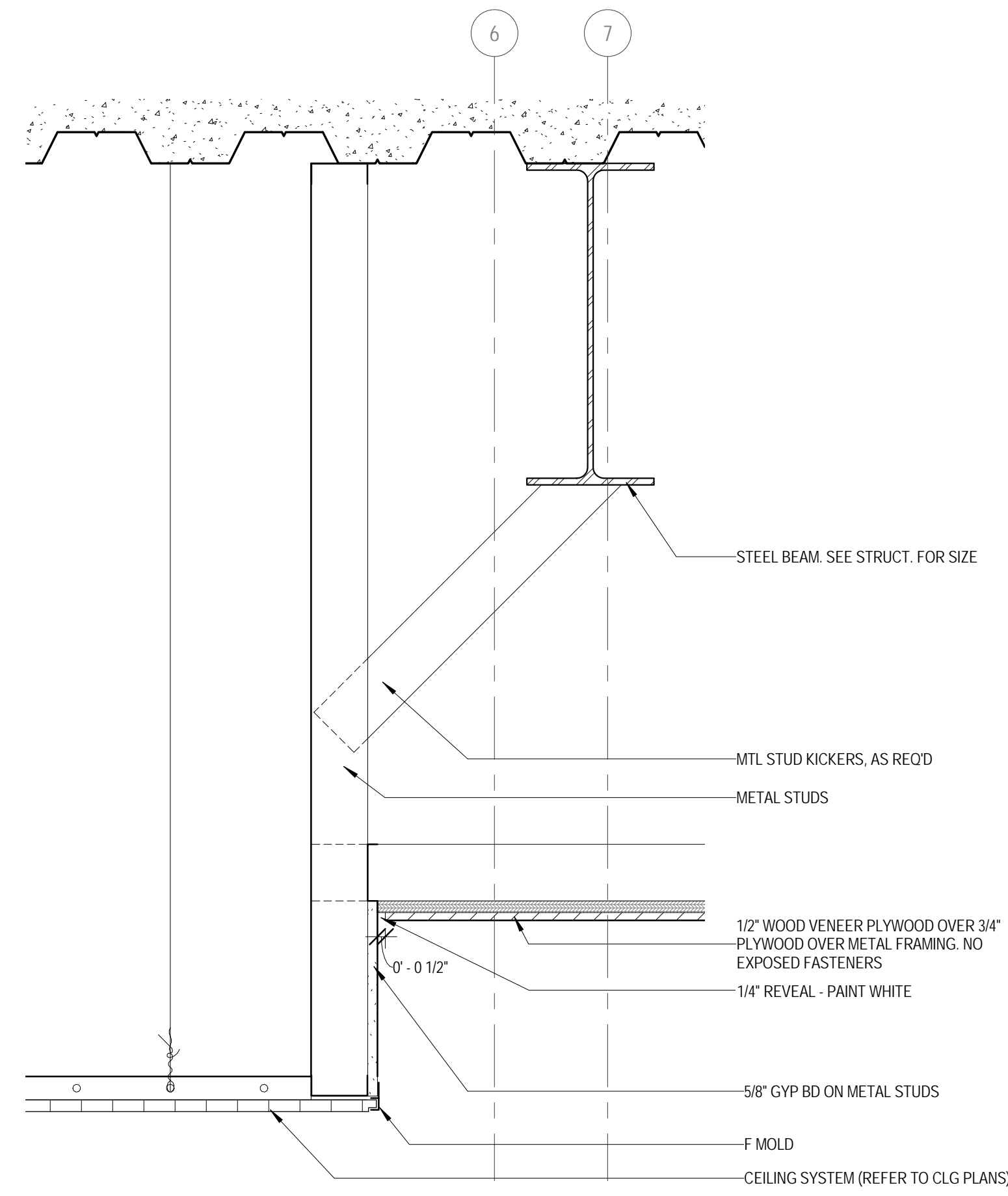
SHEET NUMBER:

A7.94

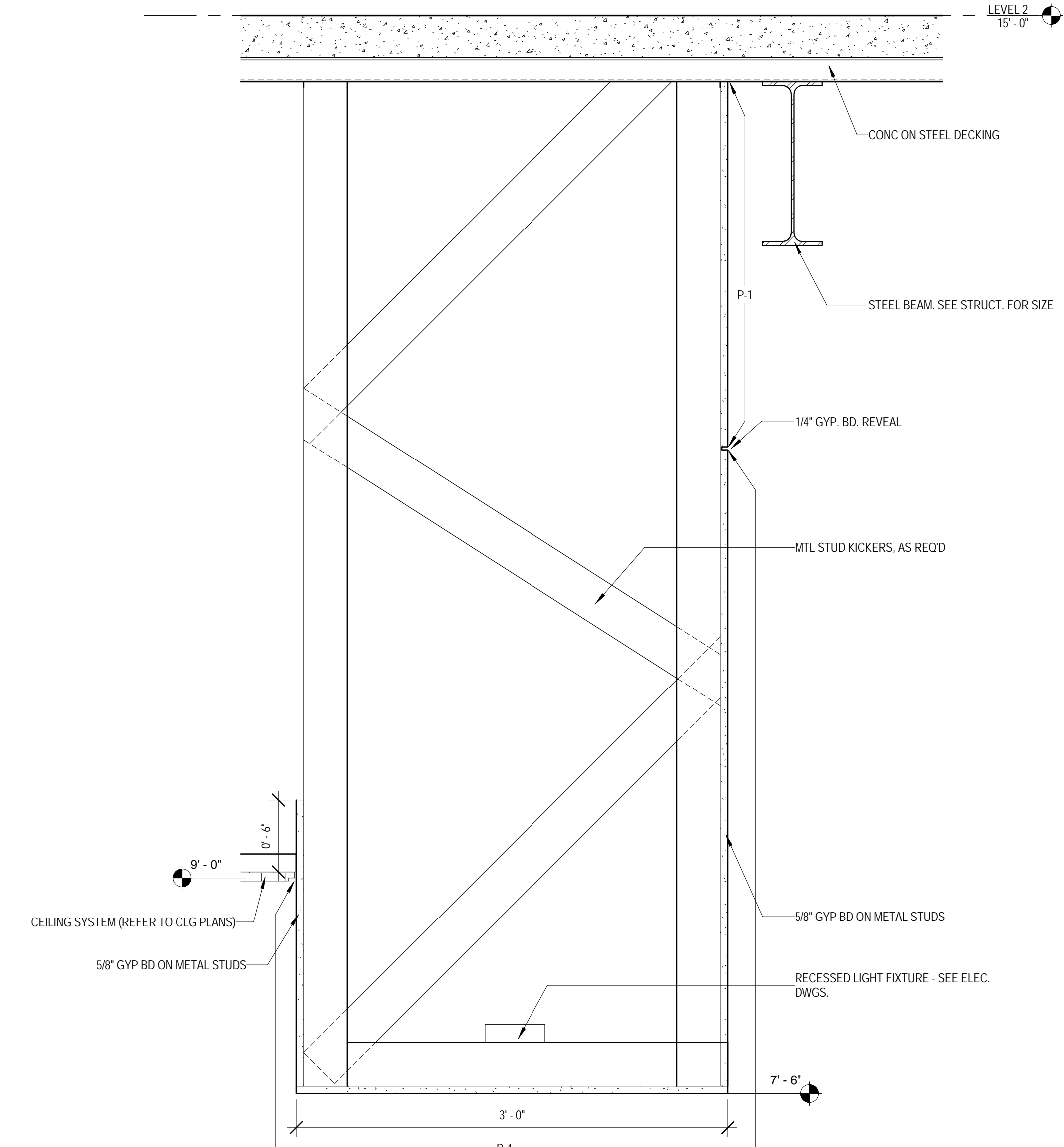
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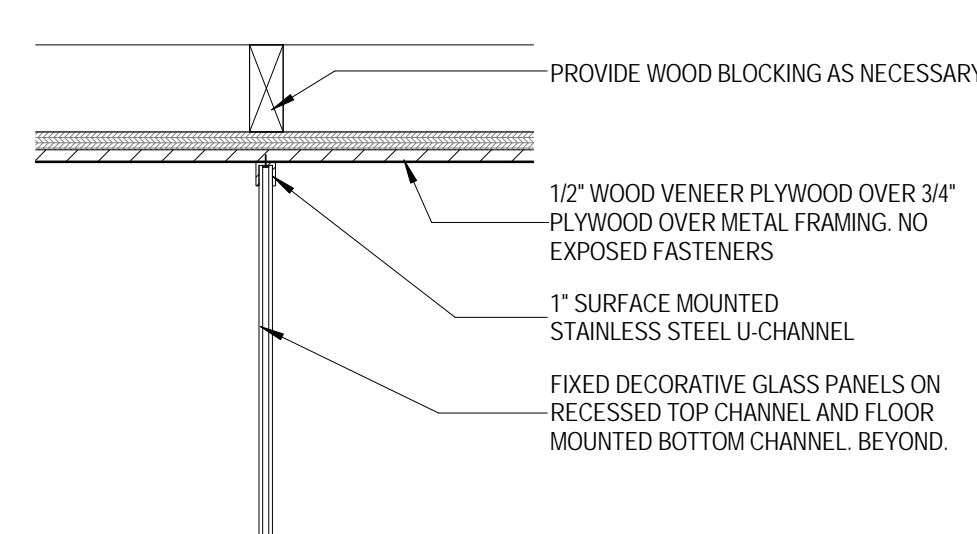
1 CEILING DETAIL
 1 1/2" = 1'-0"



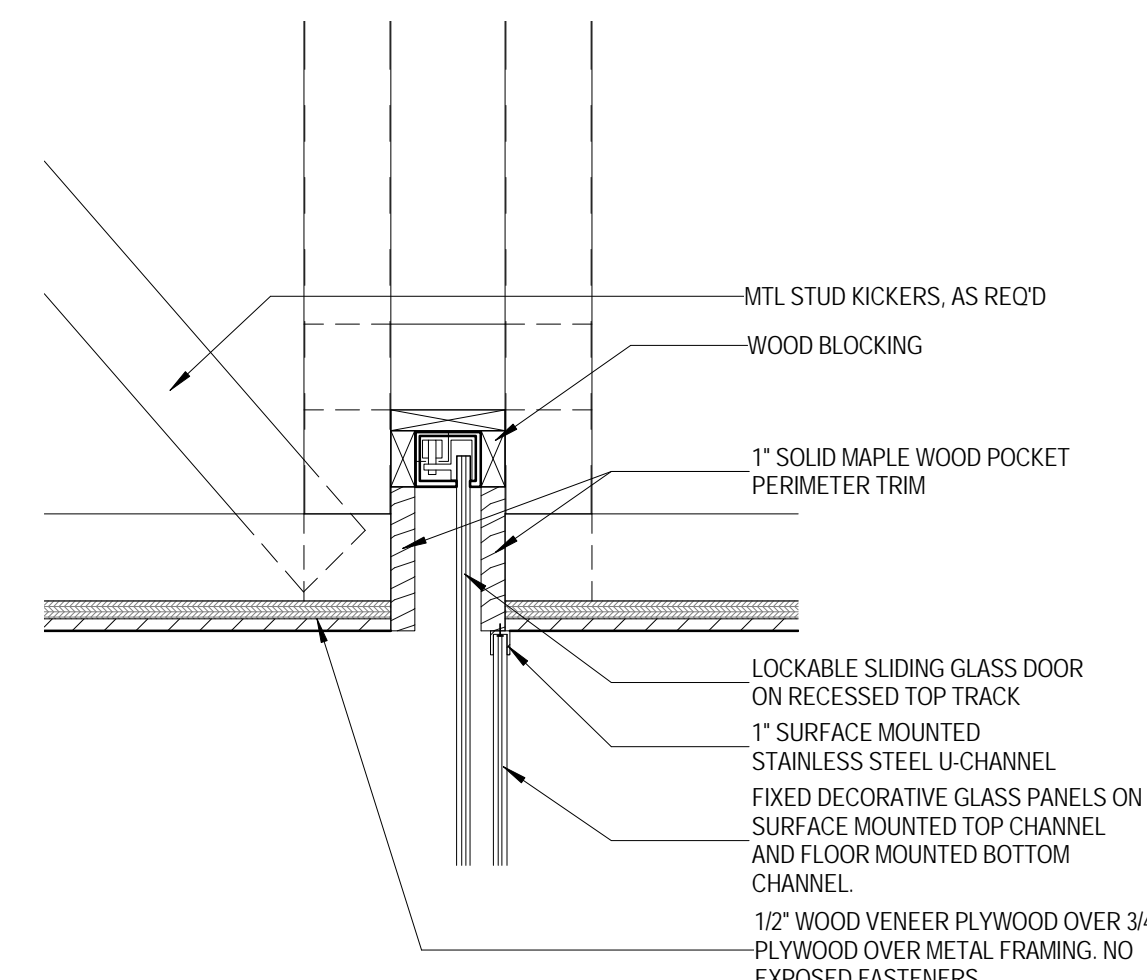
2 CEILING DETAIL
 1 1/2" = 1'-0"



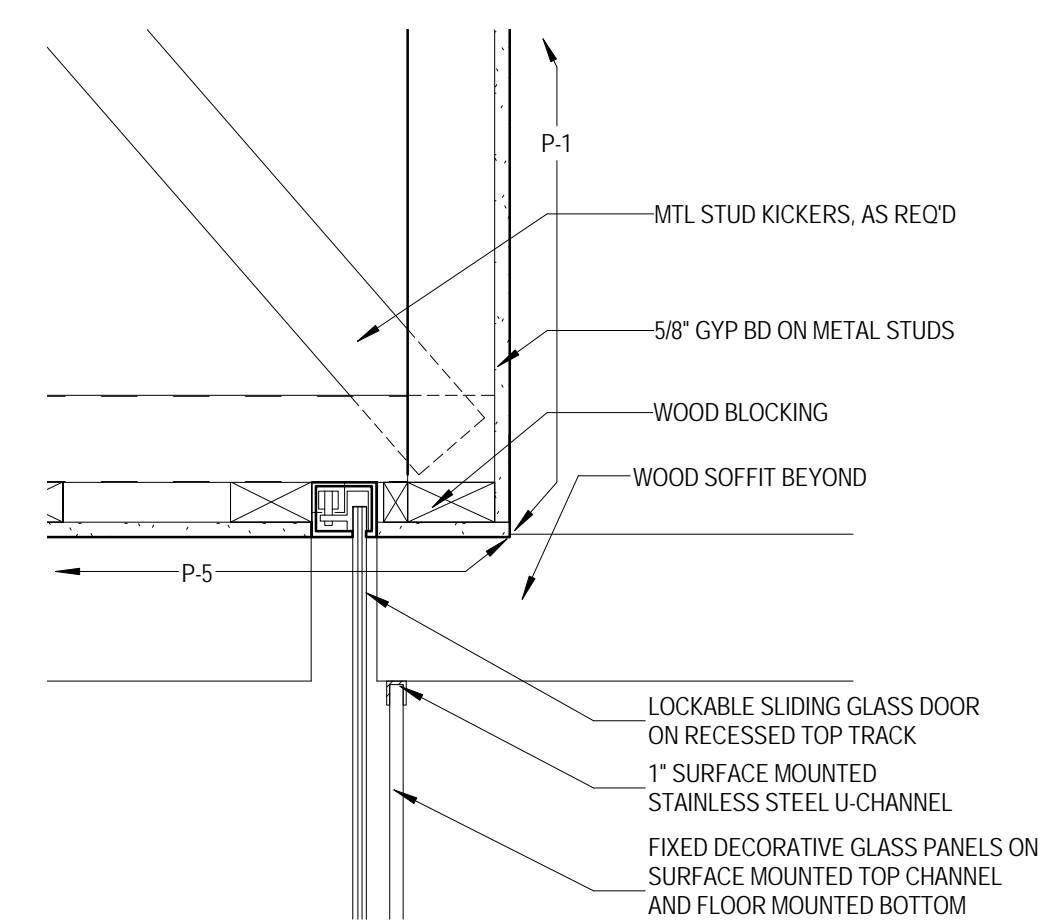
3 CEILING DETAIL
 1 1/2" = 1'-0"



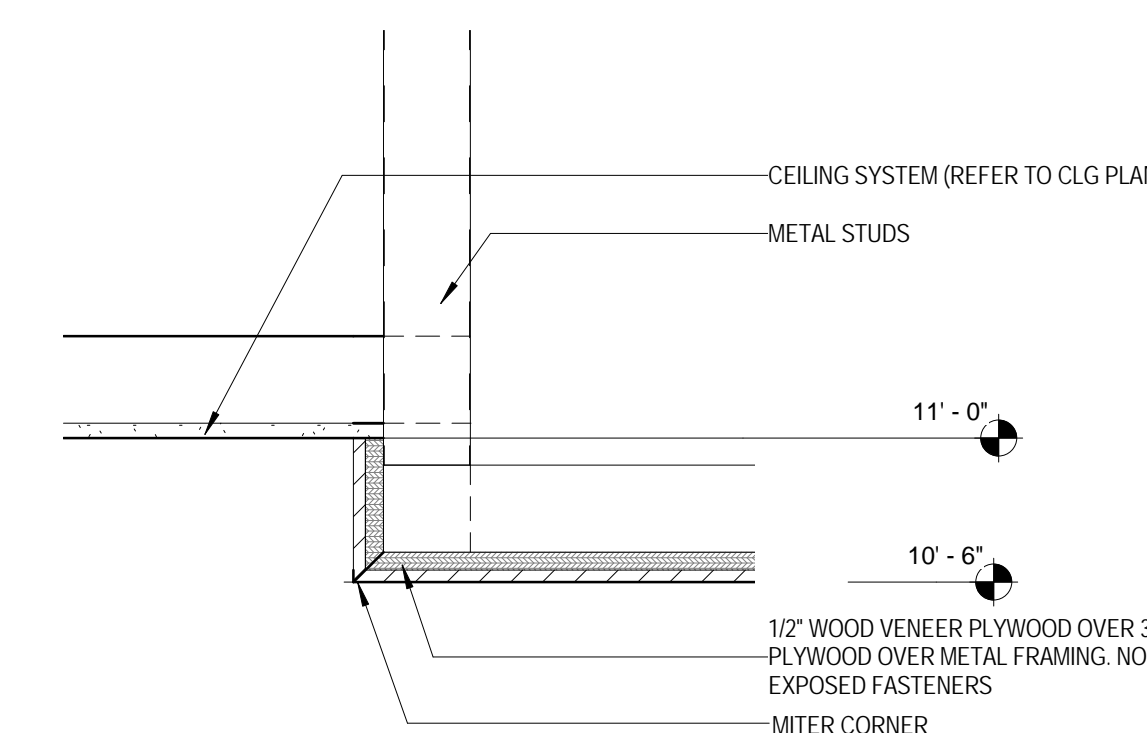
4 CEILING DETAIL
 1 1/2" = 1'-0"



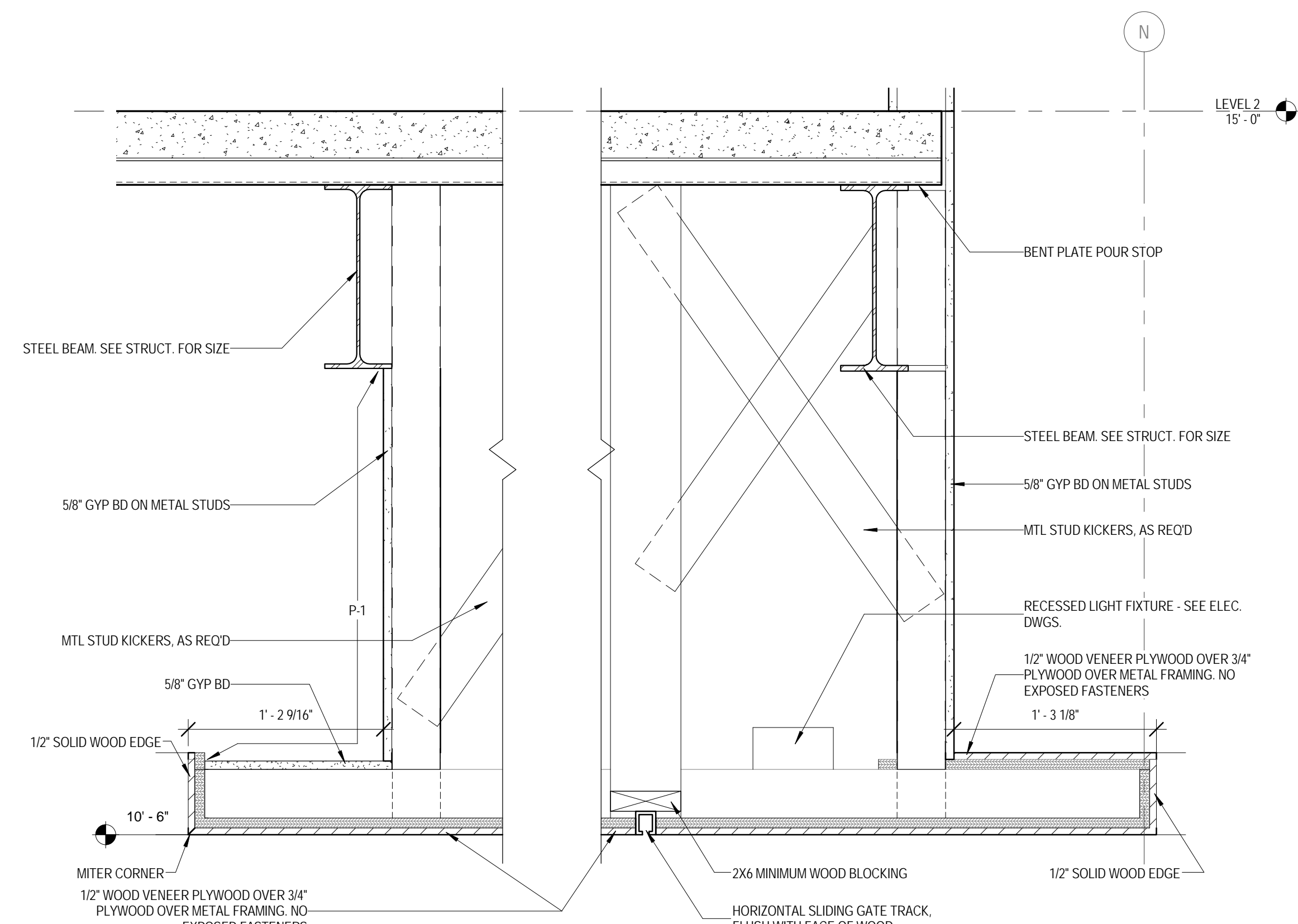
5 CEILING DETAIL
 1 1/2" = 1'-0"



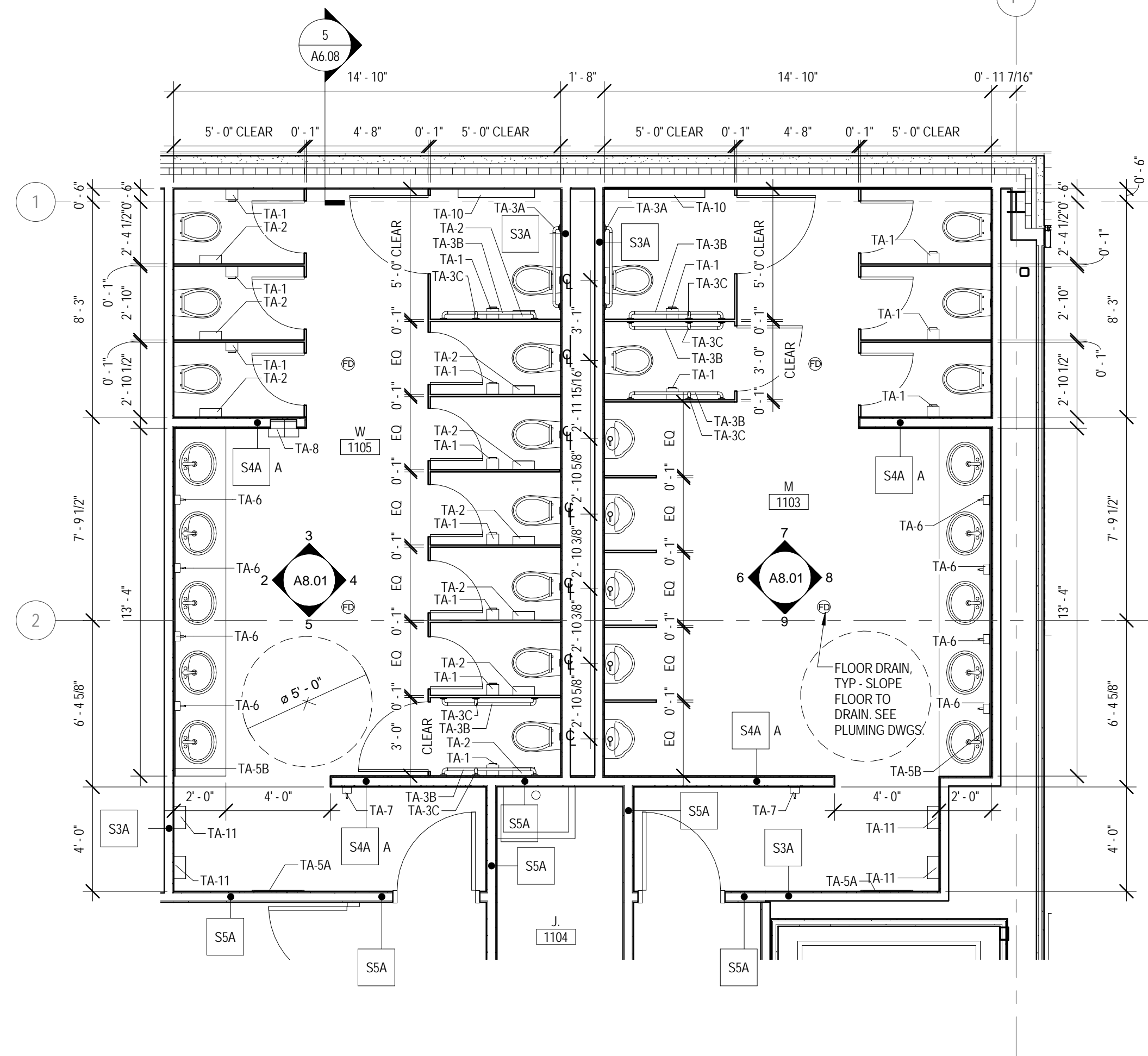
6 CEILING DETAIL
 1 1/2" = 1'-0"



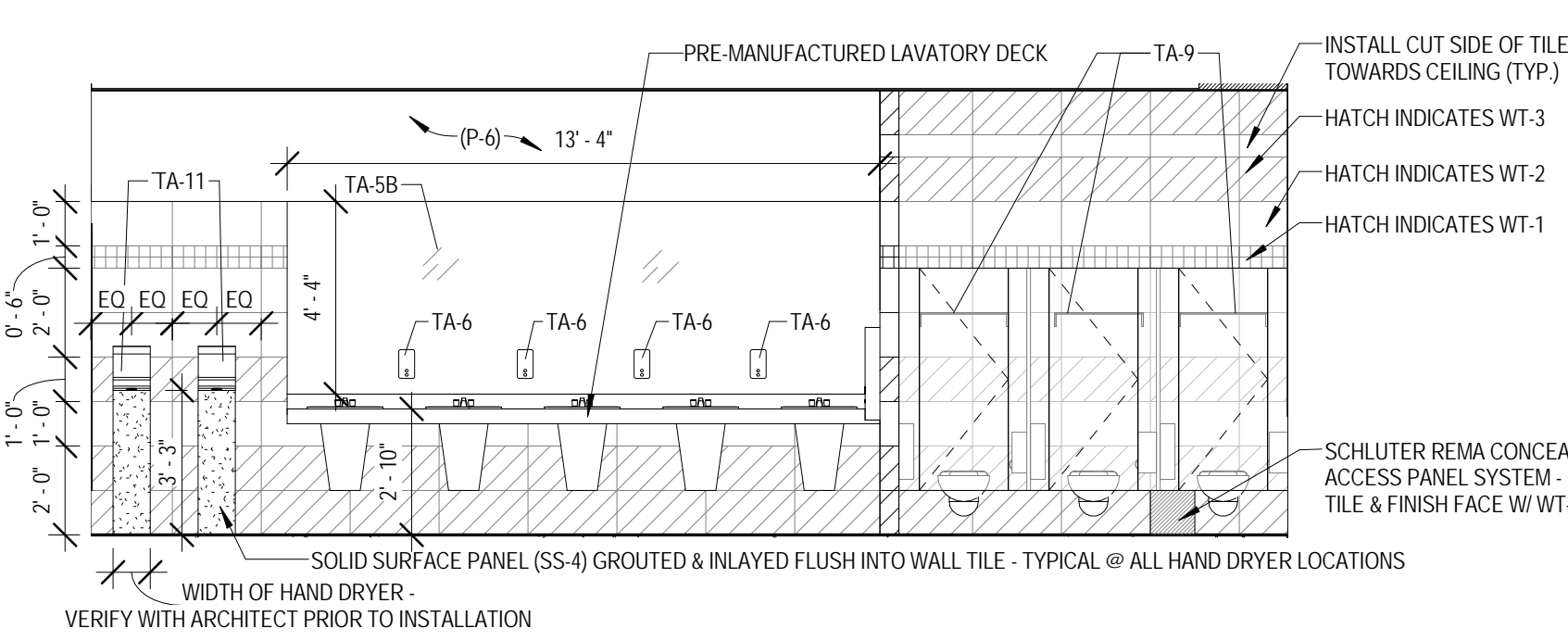
7 CEILING DETAIL
 1 1/2" = 1'-0"



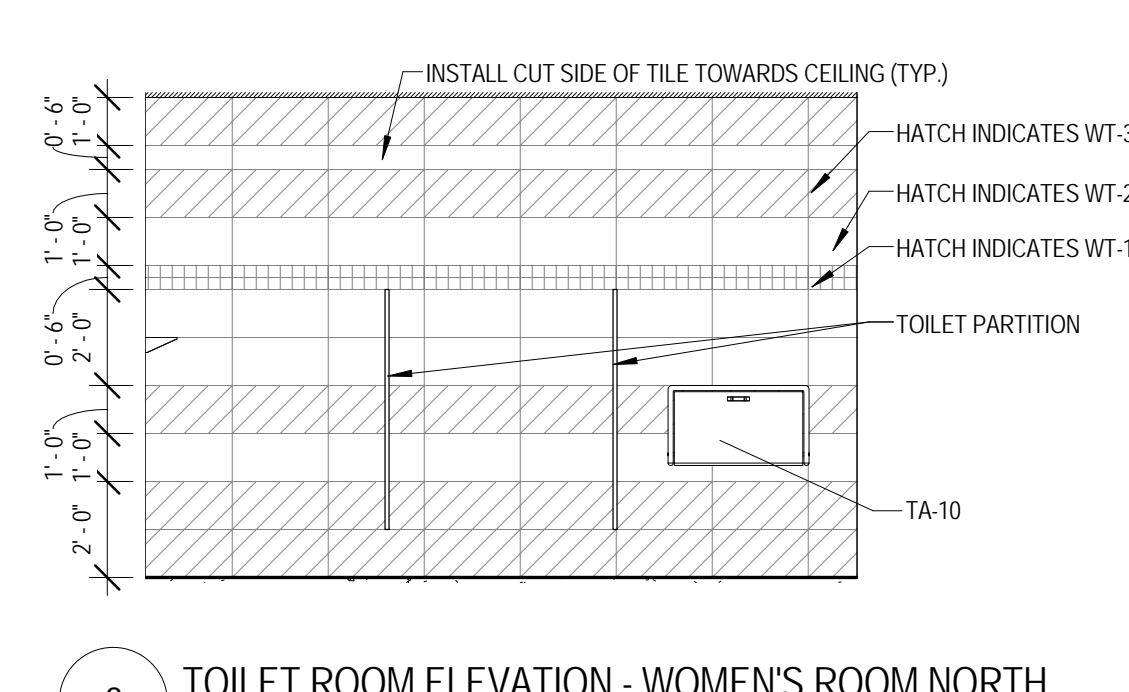
8 CEILING DETAIL
 1 1/2" = 1'-0"



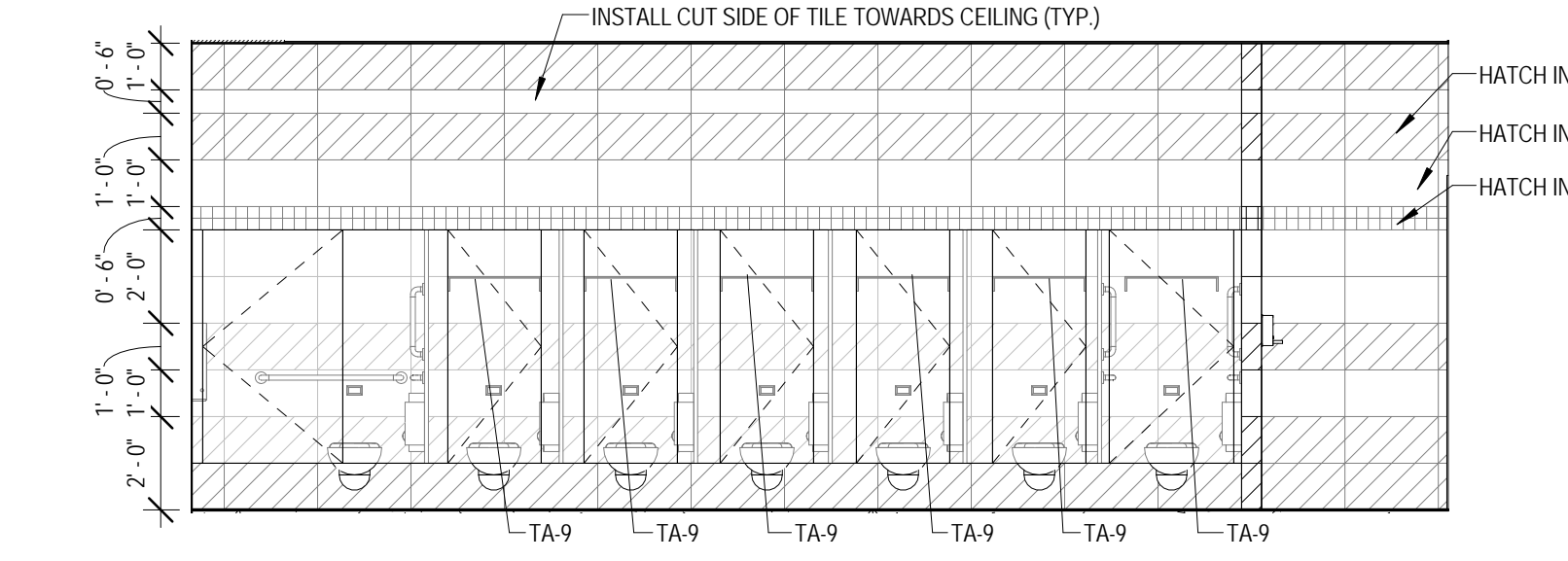
1 TOILET ROOM PLAN - LEVEL 1
 1/4" = 1'-0"



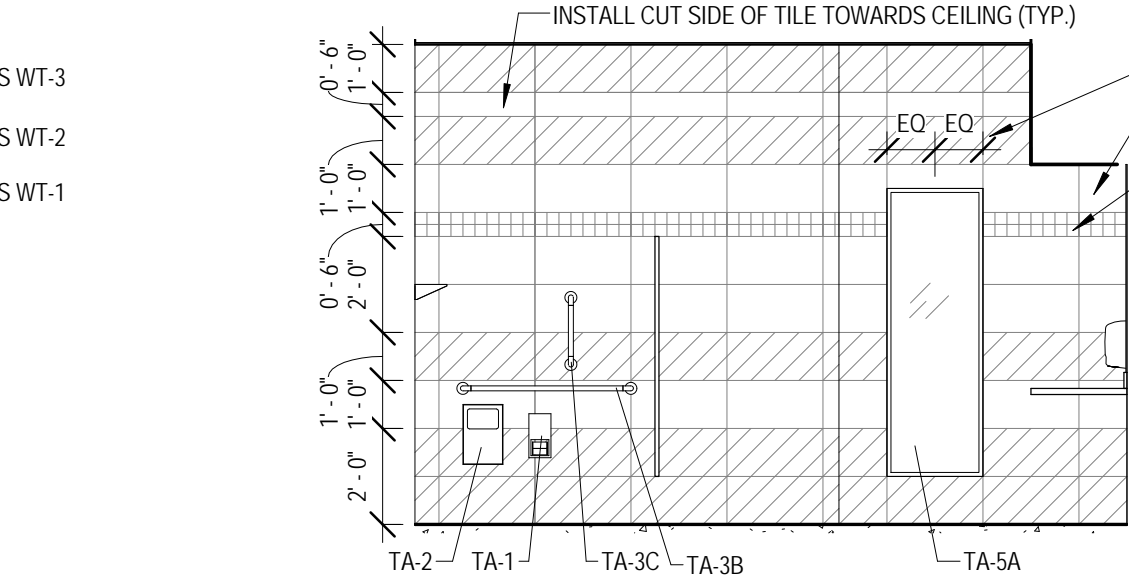
2 TOILET ROOM ELEVATION - WOMEN'S ROOM WEST
 1/4" = 1'-0"



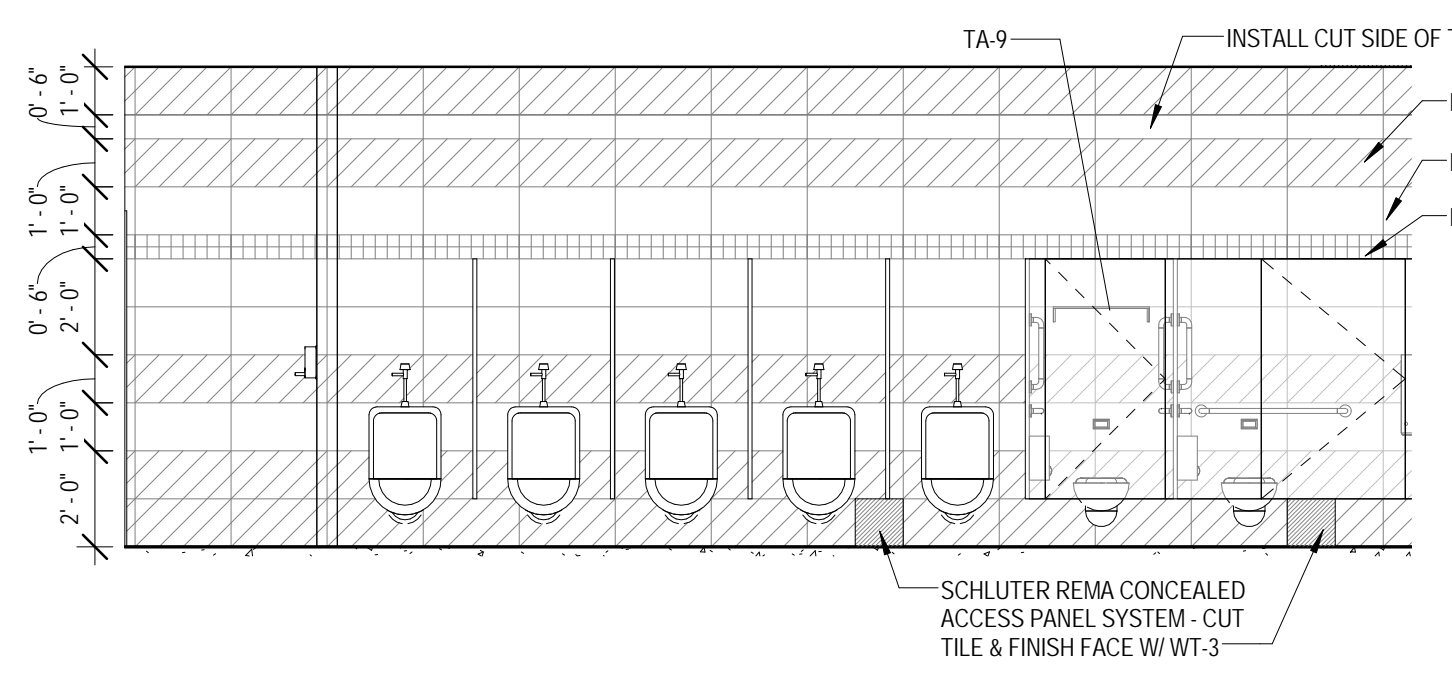
3 TOILET ROOM ELEVATION - WOMEN'S ROOM NORTH
 1/4" = 1'-0"



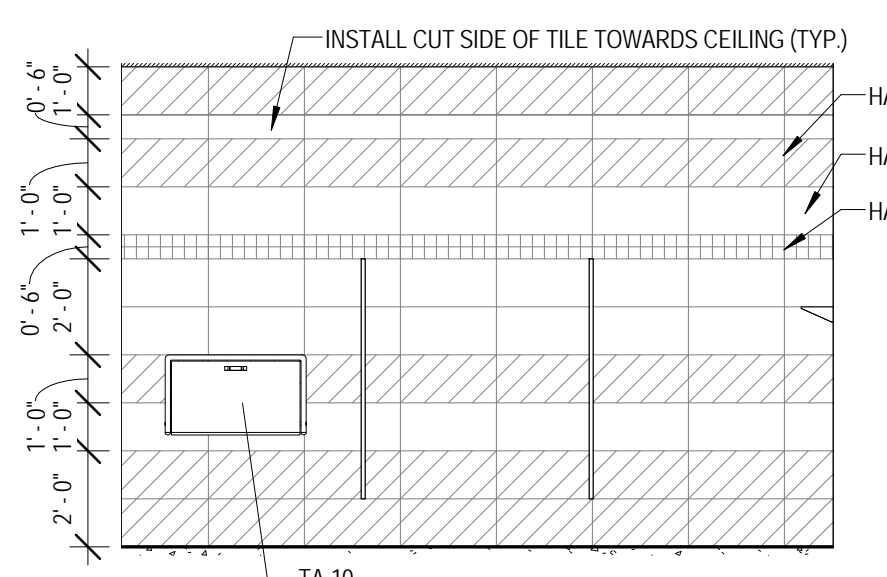
4 TOILET ROOM ELEVATION - WOMEN'S ROOM EAST
 1/4" = 1'-0"



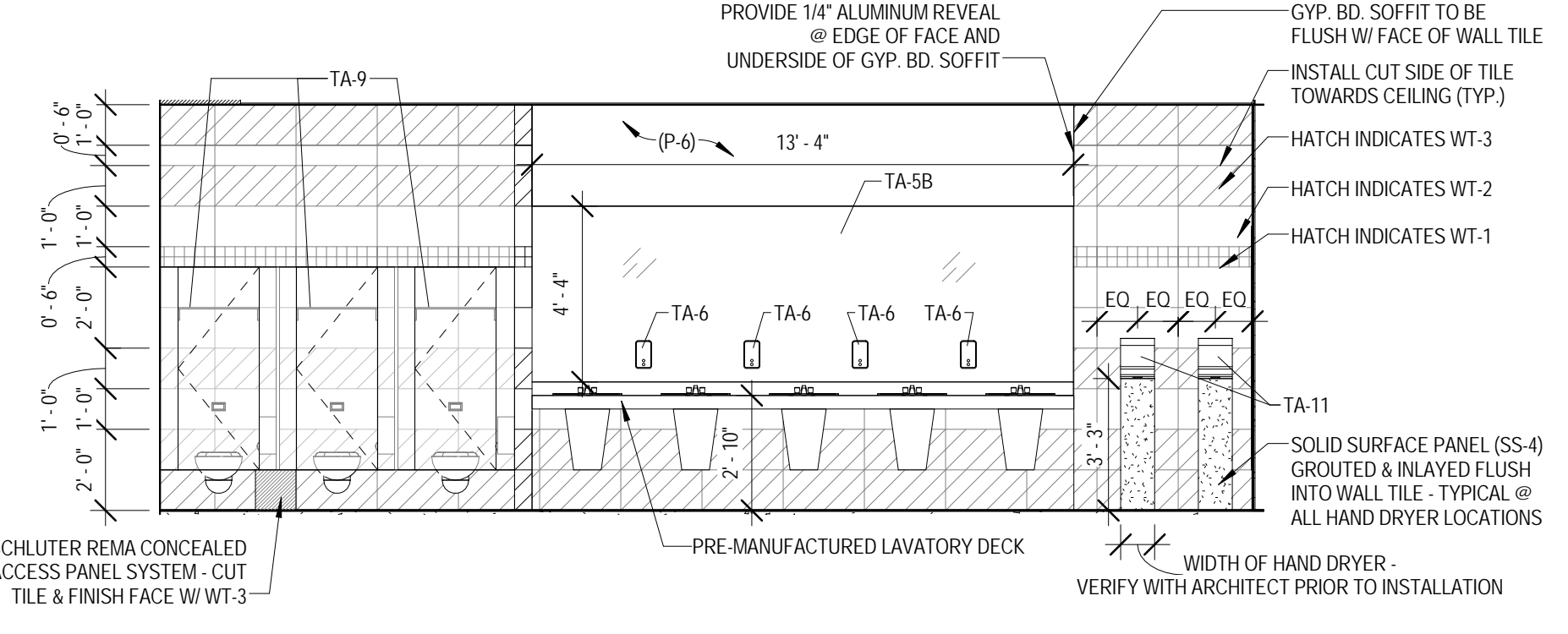
5 TOILET ROOM ELEVATION - WOMEN'S ROOM SOUTH
 1/4" = 1'-0"



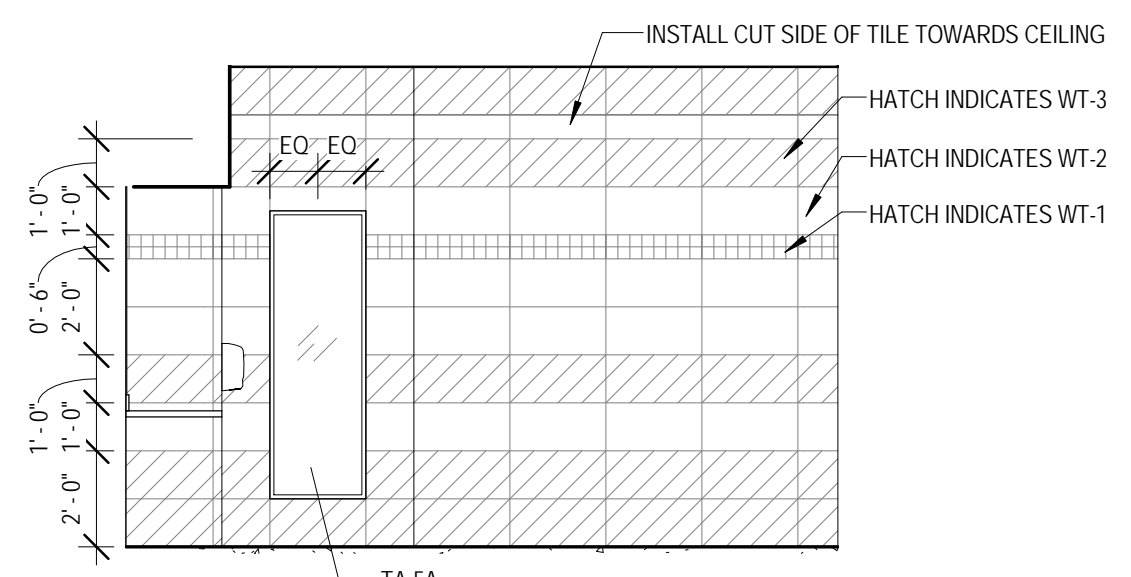
6 TOILET ROOM ELEVATION - MEN'S ROOM WEST
 1/4" = 1'-0"



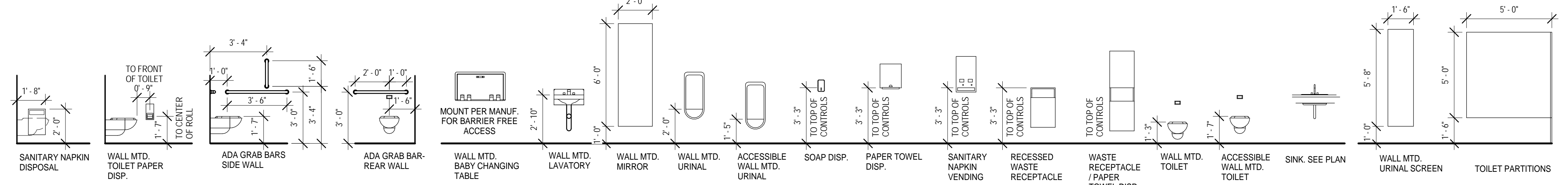
7 TOILET ROOM ELEVATION - MEN'S ROOM NORTH
 1/4" = 1'-0"



8 TOILET ROOM ELEVATION - MEN'S ROOM EAST
 1/4" = 1'-0"



9 TOILET ROOM ELEVATION - MEN'S ROOM SOUTH
 1/4" = 1'-0"



10 BATHROOM MOUNTING HEIGHT KEY
 1/4" = 1'-0"

TOILET ACCESSORIES LEGEND	
TA-1	TOILET PAPER DISPENSER (OFC)
TA-2	SANITARY NAPKIN DISPOSAL
TA-3A	36" GRAB BAR
TA-3B	42" GRAB BAR
TA-3C	18" GRAB BAR
TA-5A	WALL MOUNTED MIRROR
TA-5B	CONTINUOUS FRAMELESS WALL MOUNTED MIRROR
TA-6	WALL MOUNTED SOAP DISPENSER (OFC)
TA-7	WALL MOUNTED HAND SANITIZER DISPENSER (OFC)
TA-8	WALL MOUNTED SANITARY NAPKIN DISPENSER (OFC)
TA-9	WALL MOUNTED STAINLESS STEEL SHELF
TA-10	WALL MOUNTED BABY CHANGING STATION
TA-11	WALL MOUNTED AUTOMATIC HAND DRYER

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ENLARGED TOILET ROOM PLANS AND ELEVATIONS

SHEET NUMBER:
A8.01



ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
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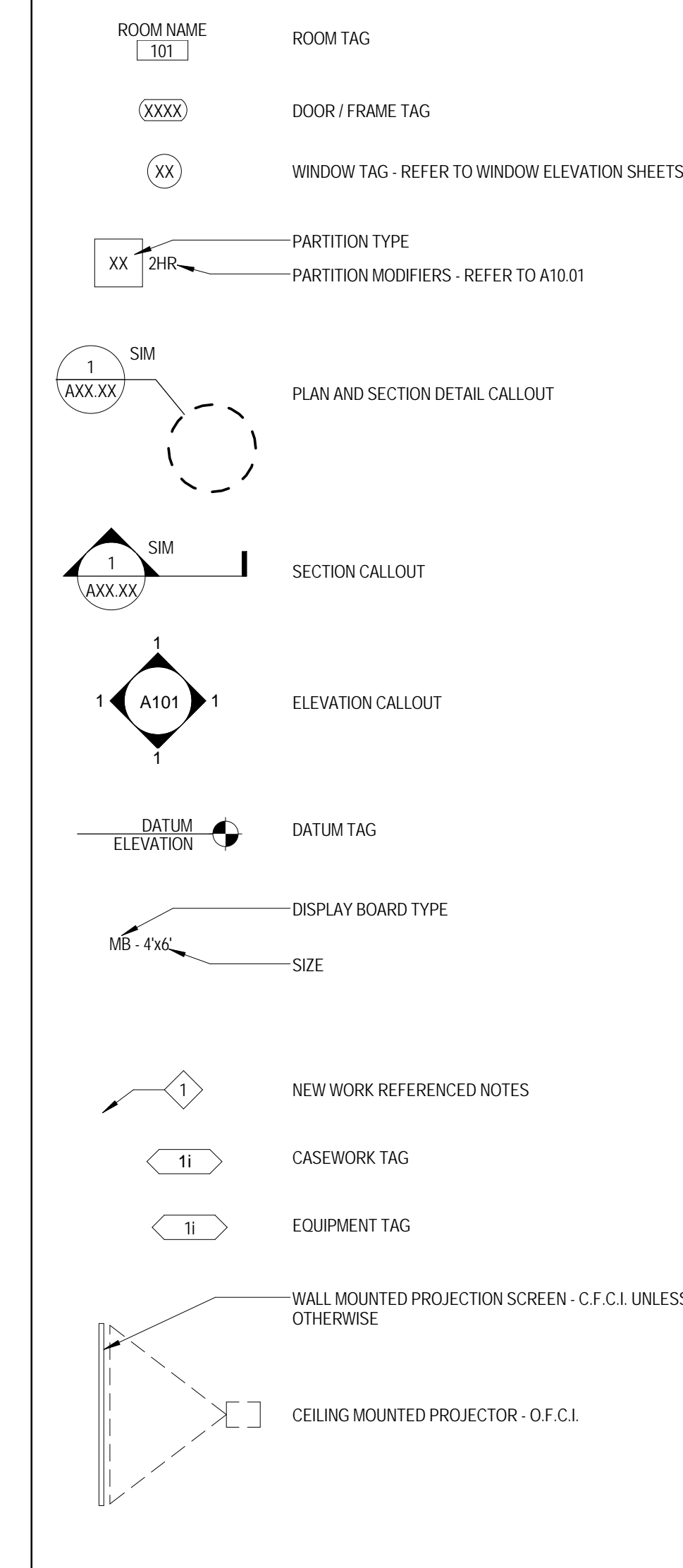
FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
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 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

FLOOR PLAN & SECTION SYMBOLS LEGEND:

NOTE: REFER TO M.E.P.F.P. DRAWINGS FOR ADDITIONAL INFORMATION ON MECHANICAL, ELECTRICAL, AND FIRE PROTECTION SYSTEMS



FLOOR PLAN GENERAL NOTES:

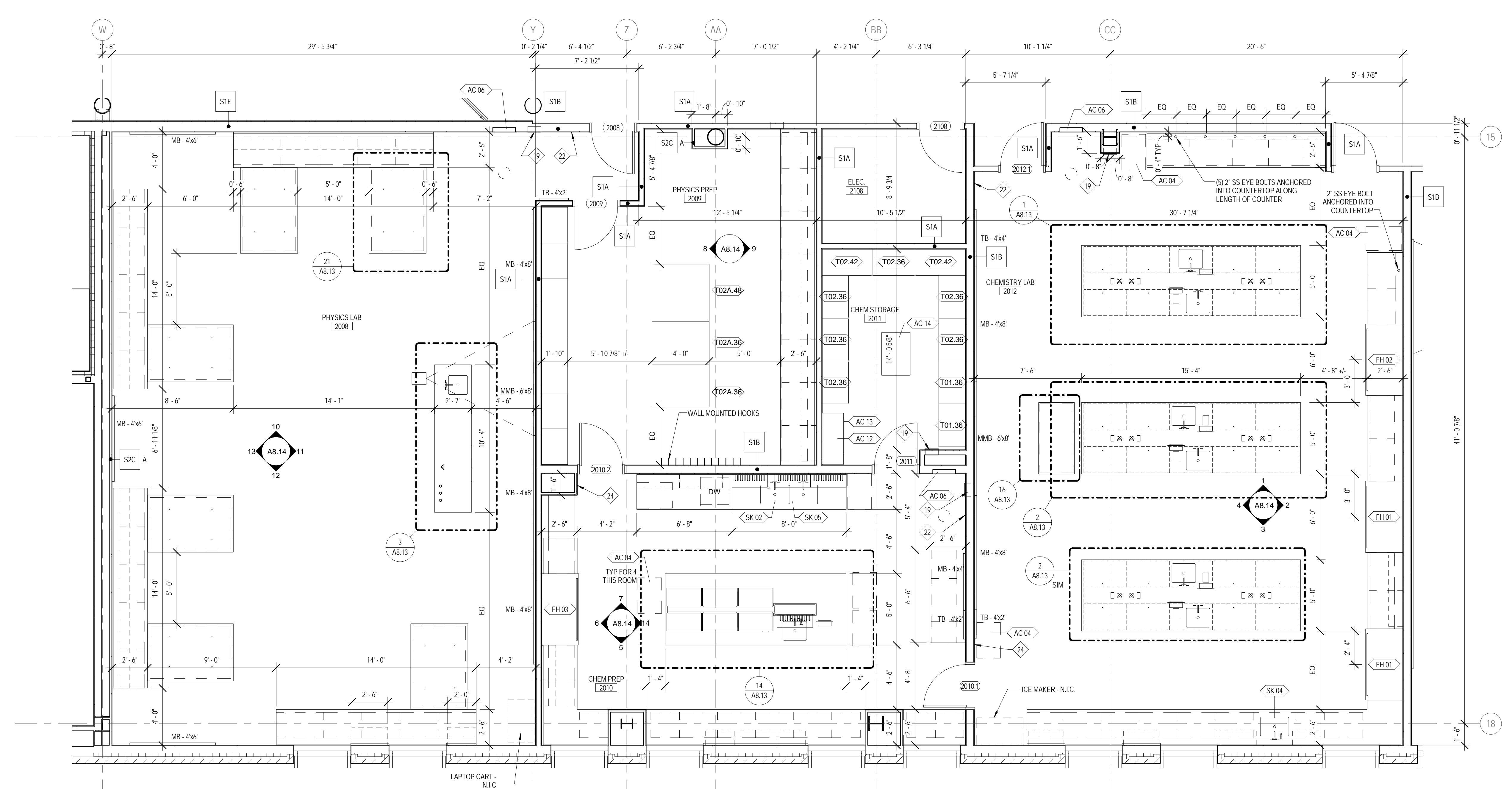
1. FINISH FLOOR ELEVATION OF 0'-0" - 671.8' USGS
2. ELEVATIONS SHOWN ON ARCHITECTURAL DRAWINGS ARE RELATIVE TO FIRST FLOOR FINISH ELEVATION OF 0'-0". REFER TO CIVIL DRAWINGS FOR COORDINATING USGS ELEVATION.
3. REFER TO CODE PLANS ON SHEET AD 10 FOR FIRE RATINGS AND AREA SEPARATION LOCATIONS FOR WALLS, ENCLOSURES, OPENINGS, ETC.
4. DO NOT SCALE DRAWINGS.
5. NOTIFY ARCHITECT OF ANY DISCREPANCIES IN THE DOCUMENTS PRIOR TO WORK COMMENCING.
6. NOTES ON DRAWINGS SHALL APPLY TO ALL SIMILAR CONDITIONS WHETHER THEY ARE REPEATED OR NOT.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE VERIFICATION OF EXISTING CONDITIONS AND IN-FIELD DIMENSIONS PRIOR TO COMMENCING WORK.
8. ALL INTERIOR DIMENSIONS ARE TO FACE OF FINISHED WALL UNLESS NOTED OTHERWISE.
9. PROVIDE ACCESS PANELS AT LOCATIONS INDICATED AND AS REQUIRED FOR ACCESS TO EQUIPMENT AND DEVICES INCLUDING, BUT NOT LIMITED TO, MECHANICAL, PLUMBING AND ELECTRICAL WORK. PAINT ACCESS PANELS TO MATCH ADJACENT WALL OR CEILING FINISH.
10. REFER TO A101 FOR PARTITION SCHEDULE. ALL INTERIOR PARTITIONS SHALL BE TYPE S1A UNLESS NOTED OTHERWISE. ALL CYP BD COLUMN ENCLOSURES SHALL BE TYPE S2C UNLESS NOTED OTHERWISE.
11. REFER TO EXTERIOR ELEVATIONS, SECTIONS AND DETAILS FOR CONSTRUCTION OF EXTERIOR WALLS.
12. PROVIDE IN-WALL BLOCKING FOR ALL WALL MOUNTED EQUIPMENT NOTED THROUGHOUT DRAWINGS.
13. CASEWORK AND EQUIPMENT MAY BE SHOWN AS HALFTONE ON DIMENSION PLANS FOR CLARITY.

FLOOR PLAN REFERENCED NOTES:

1. GLASS GUARDRAIL SYSTEM - REFER TO DETAIL FOR MORE INFORMATION.
2. CYP BD COLUMN ENCLOSURE - PARTITIONS TYPE S2C TYP. REFER TO DIMENSION PLANS FOR OUTSIDE DIMENSIONS.
3. HIGH DENSITY SHELVING SYSTEM. COORDINATE RECESS IN SLAB FOR SUPPORT RAILS. REFER TO STRUCTURAL DRAWINGS.
4. SLIDING GLASS BARRN DOOR SYSTEM - REFER TO INTERIOR ELEVATIONS FOR MORE INFORMATION.
5. FOOD SERVICE EQUIPMENT - REFER TO FOOD SERVICE DRAWINGS.
6. ALL WALLS THIS ROOM ARE FACED WITH PLYWOOD. REFER TO TECHNOLOGY DWGS FOR MORE INFORMATION.
7. RECESSED GUN CABINET
8. VENDING MACHINES - N.I.C.
9. PLASTIC LAMINATE, 3-HIGH LOCKERS
10. FLAT PANEL MONITOR - O.F.C.I. REFER TO INTERIOR ELEVATIONS FOR LOCATIONS. IF WALL IS NOT ELEVATED, CENTER MONITOR ON WALL AND MOUNT 12" X 12" F.F.
11. RECESSED CABINET UNIT HEATER - REFER TO MECHANICAL DRAWINGS
12. PROVIDE BLOCKING IN WALL FOR OWNER FURNISHED, OWNER INSTALLED EVAC CHAIR. COORDINATE EXTENTS AND LOCATION WITH ARCHITECT.
13. LEVEL 5 DRYWALL FINISH THIS WALL
14. SECURITY GATE, TRACK ABOVE
15. FIRE ALARM ANNUNCIATOR PANEL
16. CODE BLUE STATION - SEE TECHNOLOGY DWGS
17. FM TUBE RADIATOR BELOW - REFER TO MECHANICAL DRAWINGS.
18. WALL MOUNTED ADA DOOR OPERATOR PUSH PAD
19. RECESSED FIRE EXTINGUISHER CABINET
20. WALL MOUNTED 24" X 12" MIRROR - TA-SA. REFER TO TOILET ACCESSORY SCHEDULE ON A8.01.
21. PLASTIC LAMINATE, 2-HIGH LOCKERS
22. PROVIDE IN-WALL BLOCKING FOR N.I.C. FIRST AID AND SAFETY EQUIPMENT
23. WALL MOUNTED LAPTOP CABINET - COORDINATE LOCATION WITH ARCHITECT PRIOR TO INSTALLATION
24. WALL MOUNTED GAS SHUT OFF BUTTON - REFER TO MECHANICAL DWGS
25. NOT USED
26. CHAIN LINK FENCE CAGE - EXTEND FENCING 10'-0" A.F.F.
- 27 - 18" AFF IN WALL BLOCKING AND HANDCUFF RING
28. THIS WALL AND DOOR ARE PROVIDED AT BASE BID ONLY. REMOVED AT ALT. BID #1. SEE SHEET A1.03
29. PLATED STEEL COLUMN, SEE STRUCTURAL
30. COORDINATE LOCATION OF WALL RECESS WITH CEILING TERMINATION - REFER TO RCP INFORMATIONAL
31. METAL, 2-HIGH LOCKERS
32. JOINTS IN STONE SILL ALIGN WITH MULLIONS. REFER TO WALL SECTION FOR MORE INFORMATIONAL
33. LINE OF SOFFIT BELOW. REFER TO RCP FOR MORE INFORMATION.
34. ALIGN FACE OF COLUMN ENCLOSURE WITH WINDOW JAMB
35. TRANSFORMER, GENERATOR, AND REMOTE REFRIGERATION RACK. REFER TO ELECTRICAL, FOOD SERVICE AND MECHANICAL DRAWINGS

LAB CASEWORK GENERAL NOTES

1. ALL CABINETS WITH DOORS HAVE 3 ADJUSTABLE SHELVES UNLESS NOTED OTHERWISE
2. ALL CABINETS HAVE LABEL HOLDERS (EXCEPT THOSE WITH GLASS FRONTS) UNLESS NOTED OTHERWISE
3. ALL CABINETS ARE LOCKABLE (EXCEPT THOSE IN CHEM STORAGE). ALL CABINETS IN CHEMISTRY SHOULD BE KEYPED ALIKE. ALL CABINETS IN CHEM PREP SHOULD BE KEYPED ALIKE. ALL CABINETS IN PHYSICS AND PHYSICS PREP SHOULD BE KEYPED ALIKE. THERE SHOULD BE A MASTER KEY FOR THE WHOLE PROJECT
4. ALL SHELVING IN TALL OPEN SHELVING CABINETS SHOULD HAVE ANTI-ROLL UP AT EDGE FOR CHEMICAL STORAGE
5. MODEL NUMBERS NOTED IN SCHEDULES FOR CASEWORK AND FLAME HOODS ARE BASED ON BASIS OF DESIGN MANUFACTURER MOTT MANUFACTURING. MODEL NUMBERS NOTED IN SCHEDULES FOR ACCESSORIES ARE BASED ON BASIS OF DESIGN MANUFACTURER WATER SAUER UNLESS NOTED OTHERWISE. OTHER MANUFACTURERS AND MODEL NUMBERS ARE NOTED SPECIFICALLY IN THE SCHEDULES. SEE SPECIFICATION FOR ADDITIONAL INFORMATION ON ACCEPTABLE MANUFACTURERS
5. FLAME HOODS NOTED TO BE ADA IN THE SCHEDULE SHOULD BE FULLY ACCESSIBLE WITH FLUSH SILLS, ADA MOUNTING HEIGHTS FOR ALL SWITCHES AND ADA VALVES AND ACCESSIBLE REACHES FOR CUP SINKS ETC.



1 ENLARGED PLAN - SCIENCE LABS
 1/4" = 1'-0"

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
SCIENCE LABS - ENLARGED PLAN

SHEET NUMBER:
A8.11



ARCHITECT OF RECORD
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JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

LAB CASEWORK SCHEDULE						
TAG	TYPE	WIDTH	DEPTH	HEIGHT	COMMENTS	MODEL NO.
B01.30	Lab Cswrk- Base Cabinet-Double Door: 30"	2' - 6"	1' - 9 1/2"	2' - 9"		1380011W
B01.32	Lab Cswrk- Base Cabinet-Double Door: 32"	2' - 8"	1' - 9 1/2"	2' - 9"		1383011W (SIM, 32" WIDTH)
B01.36	Lab Cswrk- Base Cabinet-Double Door: 36"	3' - 0"	1' - 9 1/2"	2' - 9"		1480011W
B01A.30	Lab Cswrk- Base Cabinet-Double Door: 30" - 36" HIGH	2' - 6"	1' - 9 1/2"	2' - 11"		1310011W
B01A.36	Lab Cswrk- Base Cabinet-Double Door: 36" - 36" HIGH	3' - 0"	1' - 9 1/2"	2' - 11"		1410011W
B01B.30	Lab Cswrk- Base Cabinet-Double Door: 30" - 36" HIGH SS	2' - 6"	1' - 9 1/2"	2' - 11"	STAINLESS STEEL CABINET	1310011W
B02.24	Lab Cswrk- Base Cabinet-Single Door: 24"	2' - 0"	1' - 9 1/2"	2' - 9"		1280011W
B02A.21	Lab Cswrk- Base Cabinet-Single Door: 21" - VENTED	1' - 9"	1' - 9 1/2"	2' - 9"		1280011W (SIM, 21" WIDTH, PERFORATED METAL)
B02A.24	Lab Cswrk- Base Cabinet-Single Door: 24" - 36" HIGH	2' - 0"	1' - 9 1/2"	2' - 11"		1210011W
B03.30	Lab Cswrk- Base Cabinet-Double Door & 2 Drawer: 30"	2' - 6"	1' - 9 1/2"	2' - 9"		1380022W
B03.36	Lab Cswrk- Base Cabinet-Double Door & 2 Drawer: 36"	3' - 0"	1' - 9 1/2"	2' - 9"		1480022W
B03A.30	Lab Cswrk- Base Cabinet-Double Door & 2 Drawer: 30" - 36" HIGH	2' - 6"	1' - 9 1/2"	2' - 11"		1310022W
B03B.30	Lab Cswrk- Base Cabinet-Double Door & 2 Drawer: 36" - 36" HIGH SS	2' - 6"	1' - 9 1/2"	2' - 11"	STAINLESS STEEL CABINET	1310022
B04.12	Lab Cswrk- Base Cabinet-4 Drawers: 12"	1' - 0"	1' - 9 1/2"	2' - 9"		1080044W
B04A.18	Lab Cswrk- Base Cabinet-4 Drawers: 18" - 36" HIGH	1' - 6"	1' - 9 1/2"	2' - 11"		1110044W
B04A.30	Lab Cswrk- Base Cabinet-4 Drawers - Wide: 30" - 36" HIGH	2' - 6"	1' - 9 1/2"	2' - 11"		1310097W
B05.30	Lab Cswrk- Base Cabinet-6 Drawers - 2 Wide: 30"	2' - 6"	1' - 9 1/2"	2' - 9"		1380099W
B05.36	Lab Cswrk- Base Cabinet-6 Drawers - 2 Wide: 36"	3' - 0"	1' - 9 1/2"	2' - 9"		1480099W
B05.40	Lab Cswrk- Base Cabinet-6 Drawers - 2 Wide: 40"	3' - 4"	1' - 9 1/2"	2' - 9"		1880099W (SIM, 40" WIDTH)
B05A.36	Lab Cswrk- Base Cabinet-6 Drawers - 2 Wide: 36" - 36" HIGH	3' - 0"	1' - 9 1/2"	2' - 11"		1410099W
B06.36	Lab Cswrk- Base Cabinet-5 Drawers - 1 Door: 36"	3' - 0"	1' - 9 1/2"	2' - 9"	NO SHELVES IN THIS CABINET	1480024W
B06A.36	Lab Cswrk- Base Cabinet-5 Drawers - 1 Door: 36" - 36" HIGH	3' - 0"	1' - 9 1/2"	2' - 11"	NO SHELVES IN THIS CABINET	1410024W
B07.24	Lab Cswrk- Base Cabinet-Fume Hood: 24"	2' - 0"	1' - 9 1/2"	2' - 9"		1285022W
B07A.24	Lab Cswrk- Base Cabinet-Fume Hood: 24" - 36" HIGH	2' - 0"	1' - 9 1/2"	2' - 11"		1288022W
B08.30	Lab Cswrk- Base Cabinet-Double Door Sink Unit: 30"	2' - 6"	1' - 9 1/2"	2' - 9"		1385022W
B08A.36	Lab Cswrk- Base Cabinet-Double Door Sink Unit: 36" - 36" HIGH	3' - 0"	1' - 9 1/2"	2' - 11"	SINK CABINET	1418022W
B09.36	Lab Cswrk- Base Cabinet-ADA sink cabinet: 36"	3' - 0"	1' - 9 1/2"	2' - 9"	ADA SINK CABINET	14K3011W
B10.32	Lab Cswrk- Base Cabinet-Double Door: 32" - (10) 13-3/4" TOTE TRAYS	2' - 8"	1' - 9 1/2"	2' - 9"	(10) 13-3/4" WIDE TOTE TRAYS (PTT0001)	1383011W (SIM, 32" WIDTH, SLIDES FOR TOTE TRAYS)
B10A.32	Lab Cswrk- Base Cabinet-Double Door: 32" - 36" HIGH - (12) 13 3/4" TOTE TRAYS	2' - 8"	1' - 9 1/2"	2' - 11"	(12) 13-3/4" WIDE TOTE TRAYS (PTT0001)	1310011W (SIM, 32" WIDTH WITH TOTES AND RAILS)
B11.24	Lab Cswrk- Base Cabinet-Single Door: 24" A/V Cabinet	2' - 0"	1' - 9 1/2"	2' - 9"	A/V AND COMP. EQUIP. CABINET - PERF. METAL IN DOOR	1280011W (SIM)
B12.18	Lab Cswrk- Base Cabinet-3 Drawers: 18"	1' - 6"	1' - 9 1/2"	2' - 9"		145C272
T01.36	Lab Cswrk- Tall Cabinet-Bookshelves-2 Door: 36"	3' - 0"	1' - 10"	7' - 0"		6430060W (2 DOORS)
T01A.48	Lab Cswrk- Tall Cabinet-Bookshelves-2 Door: 48" - (36) Tote tray cabinet	4' - 0"	1' - 10"	7' - 0"	(36) 14" WIDE TOTE TRAY SLOTS ON OPEN SHELVES	6530060W (SIM, 12 SHELVES) WITH 36 TOTES PTT0002
T02.30	Lab Cswrk- Tall Cabinet-Open Shelves: 30"	2' - 6"	1' - 10"	7' - 0"		6330010W
T02.36	Lab Cswrk- Tall Cabinet-Open Shelves: 36"	3' - 0"	1' - 10"	7' - 0"		6430010W
T02.42	Lab Cswrk- Tall Cabinet-Open Shelves: 42"	3' - 6"	1' - 10"	7' - 0"		6630010W
T02A.36	Lab Cswrk- Tall Cabinet-Open Shelves: 36" WIDE X 48" DEEP IN PHYSICS PREP	3' - 0"	4' - 0"	7' - 0"	48" DEEP, OPEN BOTH SIDES, 4 ADJ. SHELVES, ONE FIXED SHELF	6430010W (SIM, OPEN BOTH SIDES, 48" DEEP)
T02A.48	Lab Cswrk- Tall Cabinet-Open Shelves: 48" WIDE X 48" DEEP IN PHYSICS PREP	4' - 0"	4' - 0"	7' - 0"	48" DEEP, OPEN BOTH SIDES, 4 ADJ. SHELVES, ONE FIXED SHELF	6530010W (SIM, OPEN BOTH SIDES, 48" DEEP)
W01.24	Lab Cswrk- Upper Cabinet-Open Single Shelf-Wall: 24"	2' - 0"	1' - 0"	2' - 6"		5210010W
W01.30	Lab Cswrk- Upper Cabinet-Open Single Shelf-Wall: 30"	2' - 6"	1' - 0"	2' - 6"		5310010W
W01.36	Lab Cswrk- Upper Cabinet-Open Single Shelf-Wall: 36"	3' - 0"	1' - 0"	2' - 6"		5410010W
W01A.36	Lab Cswrk- Upper Cabinet-Open Shelves-Wall: 36" - SS	3' - 0"	1' - 0"	2' - 6"	STAINLESS STEEL OPEN CABINET WITH ADJ. SHELVES	5410010
W02.30	Lab Cswrk- Upper Cabinet-Double Door w Glass-Wall: 30"	2' - 6"	1' - 0"	2' - 6"	GLASS FRONTED	5310030W
W02.36	Lab Cswrk- Upper Cabinet-Double Door w Glass-Wall: 36"	3' - 0"	1' - 0"	2' - 6"	GLASS FRONTED	5410030W
W03.21	Lab Cswrk- Upper Cabinet-Single Door w Glass-Wall: 21"	1' - 9"	1' - 0"	2' - 6"	GLASS FRONTED	5210030W (SIM, 21" WIDTH)
W03.24	Lab Cswrk- Upper Cabinet-Single Door w Glass-Wall: 24"	2' - 0"	1' - 0"	2' - 6"	GLASS FRONTED	5210030W

LAB EQUIPMENT SCHEDULE			
TAG	TYPE	COMMENTS	MODEL NO.
AC 01	VALVE ASSEMBLY: 4 NOZZLE		L4200-134WSA
AC 02	VALVE ASSEMBLY: 1 NOZZLE		L4200-131WSA
AC 03	VALVE ASSEMBLY: 2 NOZZLE - SINGLE SIDED		L4200-132AWSA
AC 04	LAB CART: LAB CART	20" x 30" x 30" STAINLESS STEEL ROLLING CART ON CASTERS	
AC 06	SCIENCE SAFETY STATION: RECESSED		SSBF2152 WITH AP250-065 MODESTY CURTAIN
AC 07	LAB CASEWORK - GLASSWARE PEGBOARD: 30"	STAINLESS STEEL - INCLUDE DRIP TROUGH	706C531
AC 08	RECEPTACLE PEDESTAL: SINGLE GANG - DOUBLE FACED		E400WS
AC 09	APPARATUS ROD: SS ROD - 24" HIGH	1/2" THREADED END ROD IN SURFACE MOUNTED SOCKET	AAP125-024 WITH AAP101
AC 10	APPARATUS ROD: SS ROD - 36" HIGH	3/4" DIA. TAPERED END VERTICAL ROD IN RECESSED FLUSH MOUNTED SOCKET	AAP110-036 WITH AA0100
AC 11	DISHWASHER: 24" x 24" x 34"	FLASKSCRUBBER GLASSWARE WASHER, PURE WATER CONNECTION	LABCONCO CATALOG NUMBER: 4420321
AC 12	FLAMMABLES CABINET: FLAMMABLES CABINET	JUSTRITE FLAMMABLE SAFETY CABINET, 45 GAL. YELLOW, MODEL 894520	
AC 13	CORROSIVES CABINET: CORROSIVES CABINET	SciMatCo SC8083 JUMBO STACKING BASE CABINET	
AC 14	SCIENCE - ROLLING TABLE: 24" X 36"	EPOXY TOPPED TABLE WITH WOOD VENEER CASEWORK LEGS AND FRAME SUPPORTS ON HEAVY DUTY LOCKING CASTERS	
AC 15	TOWEL HOLDER MOUNT: TOWEL HOLDER MOUNT	SAN JAMAR #SAN T1950XC TOWEL HOLDER MOUNTED TO 11"x14"x1/4" SS PLATE MOUNTED TO 1/2" DIA. SS U-SHAPED ROD ANCHORED INTO COUNTERTOP	
AC 16	SERVICE DROP: SERVICE DROP	REFER TO DETAILS FOR DIMENSIONS AND MORE INFORMATION	MOTT MANUFACTURING - SDP2090W (SIM)
AC 17	SCIENCE SUSPENDED SHELVING: SCIENCE SUSPENDED SHELVING	REFER TO DETAILS FOR DIMENSIONS AND MORE INFORMATION	MOTT MANUFACTURING - REAGENT SHELVING (SIM)
FH 01	FUME HOOD: 60"	GAS, VACCUUM, POWER, COLD WATER	
FH 02	FUME HOOD: 60" - ADA	ADA HOOD, GAS, VACCUUM, POWER, COLD WATER	
FH 03	FUME HOOD: 60" - ADA CHEM PREP	ADA HOOD, GAS, POWER, COLD WATER	

LAB SINK SCHEDULE			
TAG	TYPE	DESCRIPTION	
SK 01	DKA_LAB SINK: 20" x 16" x 10" - EPOXY UNDERMOUNT	EPOXY UNDERMOUNT SINK, 2 HANDLE MIXING FAUCET GOOSENECK SWING SPOUT WITH AERATOR - L412BH (CHROME PLATED BRASS)	
SK 02	DKA_LAB SINK: 24" x 16" x 12" - ONE BOWL OF SCULLERY SINK, DE-I WATER AND LARGE SPRAYER	ONE BOWL OF 96"Wx30"Dx 36"H SS SCULLERY SINK, LARGE SPRAYER - 33L47200, DE-IONIZED WATER TAP WITH HOSE END - L7833SC	
SK 03	DKA_LAB SINK: 20" x 16" x 6" - ADA EPOXY DROP IN, DE-I WATER	ADA DROP-IN EPOXY SINK, 2 HANDLE MIXING FAUCET GOOSENECK SWING SPOUT WITH AERATOR - L412BH (CHROME PLATED BRASS), DE-IONIZED WATER TAP WITH HOSE END - L7833SC	
SK 04	DKA_LAB SINK: 24" x 16" x 12" - EPOXY UNDERMOUNT, DE-I WATER	EPOXY UNDERMOUNT SINK, 2 HANDLE MIXING FAUCET GOOSENECK SWING SPOUT WITH AERATOR - L412BH (CHROME PLATED BRASS), DE-IONIZED WATER TAP WITH HOSE END - L7833SC	
SK 05	DKA_LAB SINK: 24" x 16" x 12" - STAINLESS STEEL SCULLERY SINK	ONE BOWL OF 96"Wx30"Dx 36"H SS SCULLERY SINK, 2 HANDLE MIXING FAUCET GOOSENECK SWING SPOUT, AERATOR - L412BH (CHROME PLATED BRASS)	
SK 06	DKA_LAB SINK: 16" x 16" x 10" - UNDERMOUNT - AERATOR	EPOXY UNDERMOUNT SINK, 2 HANDLE MIXING FAUCET GOOSENECK SWING SPOUT WITH AERATOR - L412BH (CHROME PLATED BRASS)	
SK 07	DKA_LAB SINK: 20" x 16" x 6" - ADA EPOXY DROP	ADA EPOXY DROP-IN SINK, 2 HANDLE MIXING FAUCET GOOSENECK SWING SPOUT WITH AERATOR - L412BH (CHROME PLATED BRASS)	

LAB CASEWORK GENERAL NOTES

- ALL CABINETS WITH DOORS HAVE 3 ADJUSTABLE SHELVES UNLESS NOTED OTHERWISE
- ALL CABINETS HAVE LABEL HOLDERS (EXCEPT THOSE WITH GLASS FRONTS) UNLESS NOTED OTHERWISE
- ALL CABINETS ARE LOCKABLE (EXCEPT THOSE IN CHEM STORAGE). ALL CABINETS IN CHEMISTRY SHOULD BE KEYPED ALIKE. ALL CABINETS IN CHEM PREP SHOULD BE KEYPED ALIKE. ALL CABINETS IN PHYSICS AND PHYSICS PREP SHOULD BE KEYPED ALIKE. THERE SHOULD BE A MASTER KEY FOR THE WHOLE PROJECT.
- ALL SHELVING IN TALL OPEN SHELVING CABINETS SHOULD HAVE ANTI-ROLL LIP AT EDGE FOR CHEMICAL STORAGE
- MODEL NUMBERS NOTED IN SCHEDULES FOR CASEWORK AND FUME HOODS ARE BASED ON BASIS OF DESIGN MANUFACTURER MOTT MANUFACTURING. MODEL NUMBERS NOTED IN SCHEDULES FOR ACCESSORIES ARE BASED ON BASIS OF DESIGN MANUFACTURER WATER SAVER UNLESS NOTED OTHERWISE. OTHER MANUFACTURERS AND MODEL NUMBERS ARE NOTED SPECIFICALLY IN THE SCHEDULES. SEE SPECIFICATION FOR ADDITIONAL INFORMATION ON ACCEPTABLE MANUFACTURERS
- FUME HOODS NOTED TO BE ADA IN THE SCHEDULE SHOULD BE FULLY ACCESSIBLE WITH FLUSH SILLS, ADA MOUNTING HEIGHTS FOR ALL SWITCHES AND ADA VALVES AND ACCESSIBLE REACHES FOR CUP SINKS ETC.

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

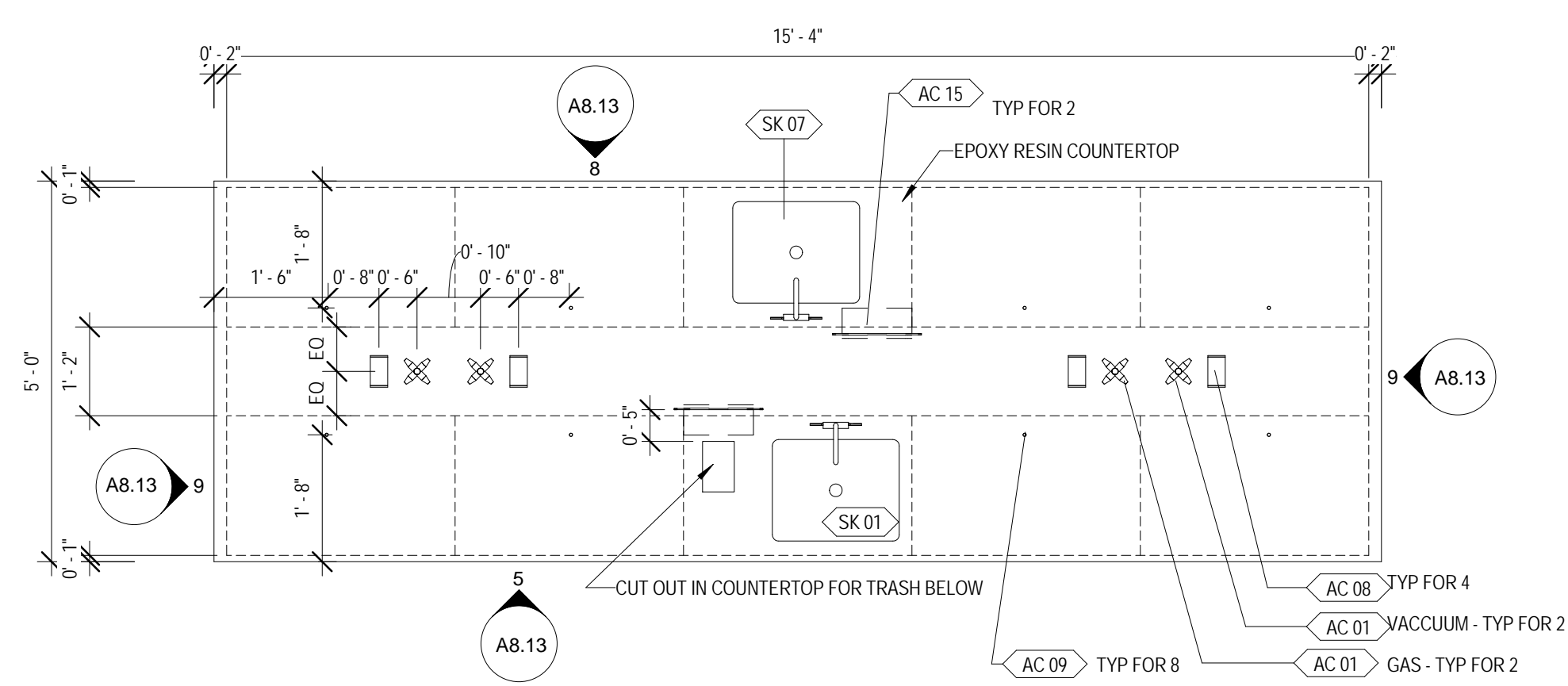
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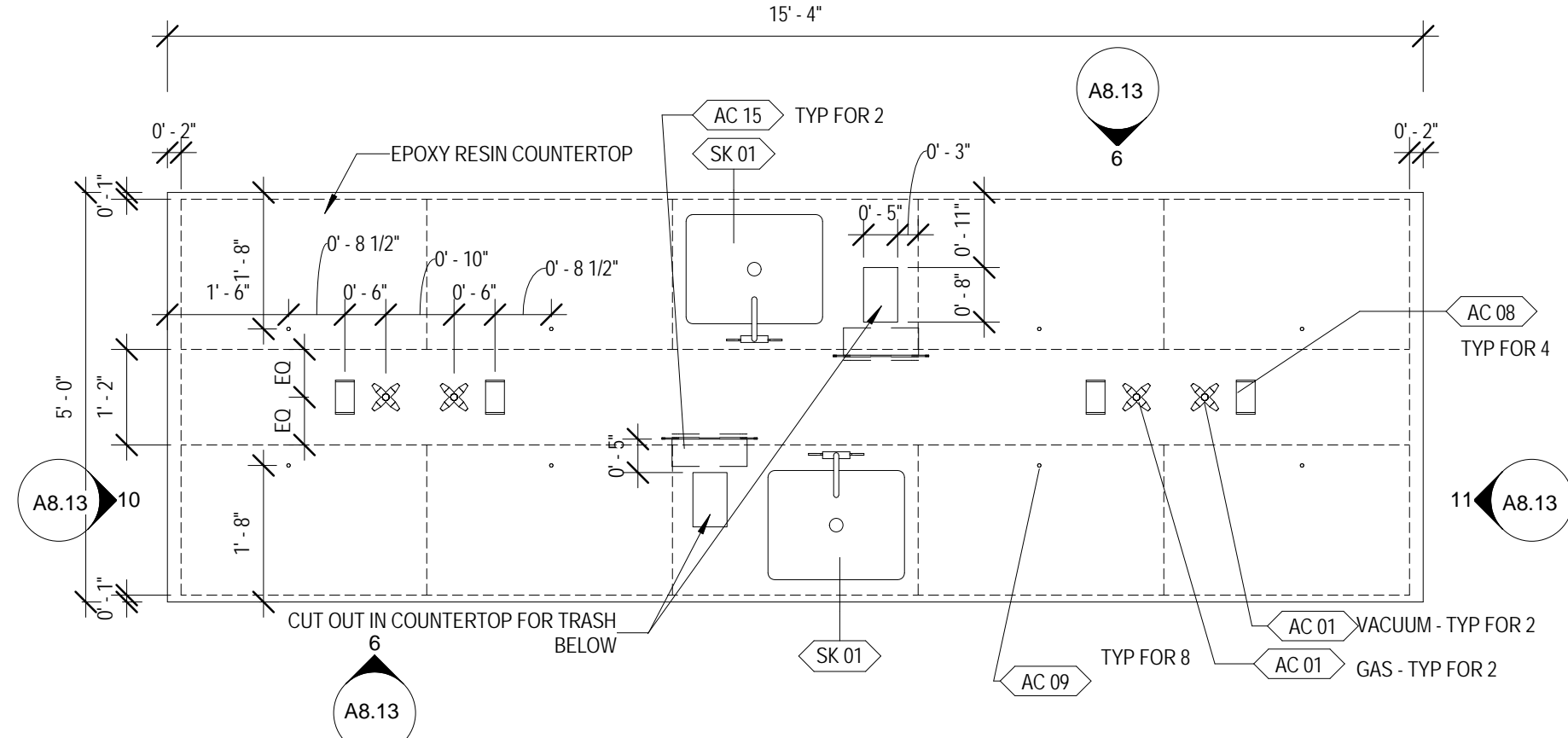
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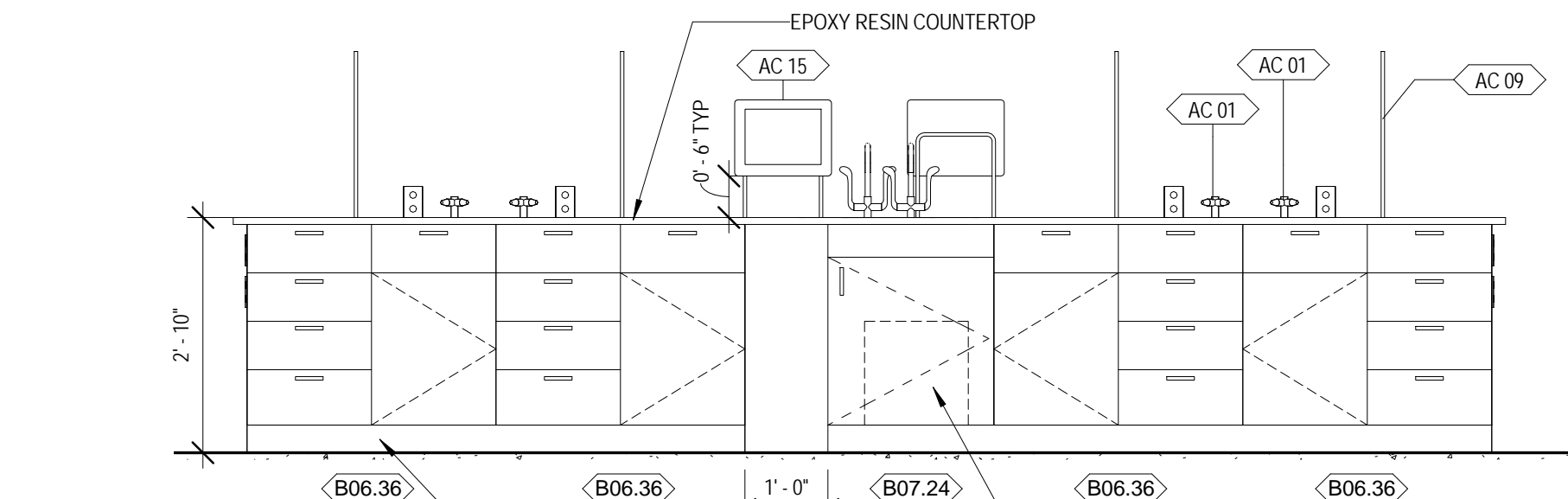
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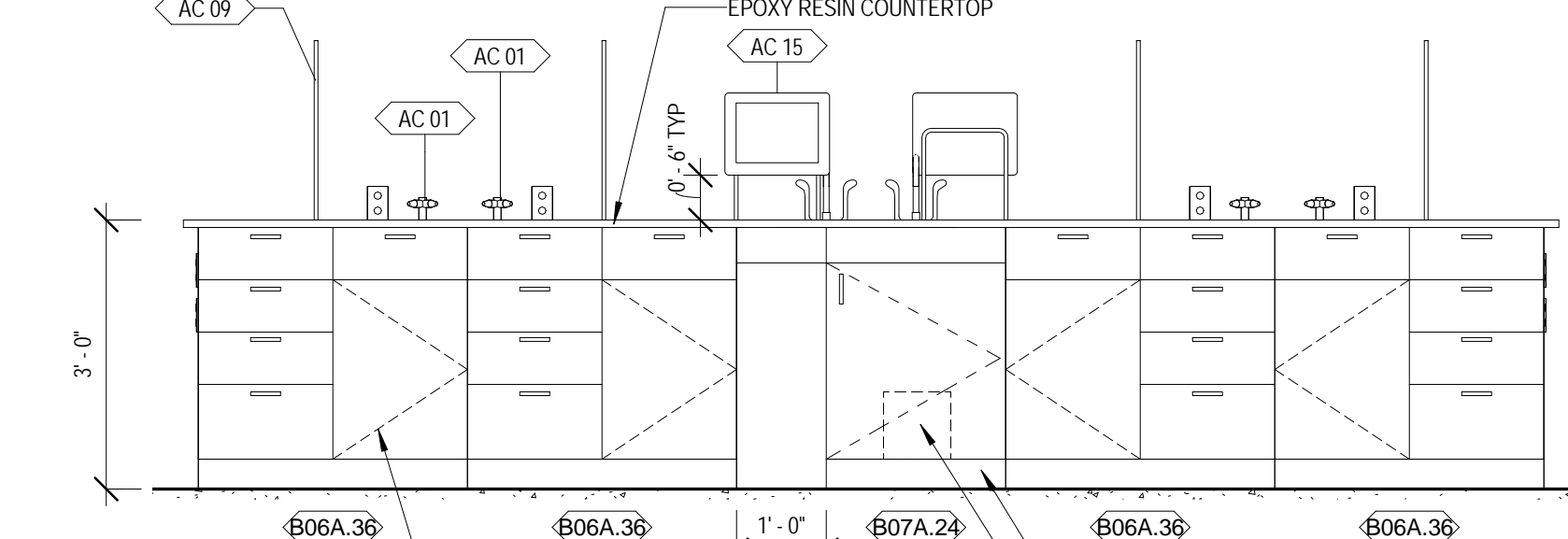
1 CHEMISTRY ADA STUDENT ISLAND - PLAN
 1/2" = 1'-0"



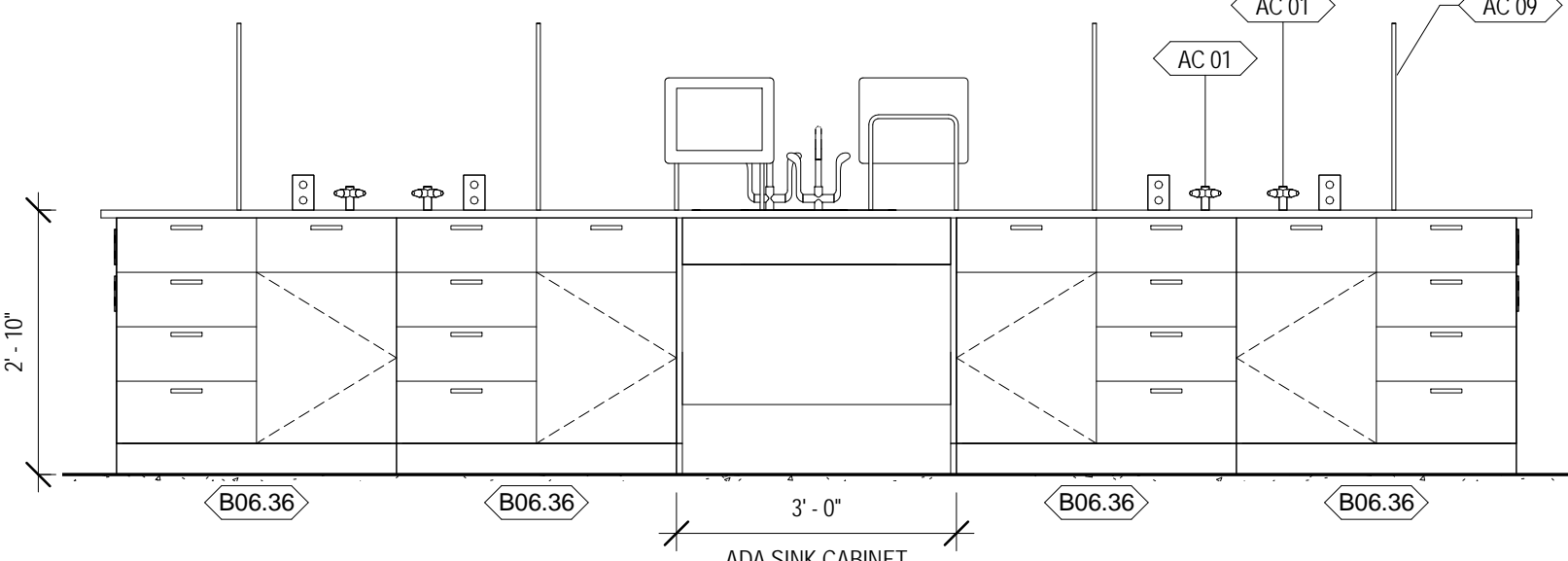
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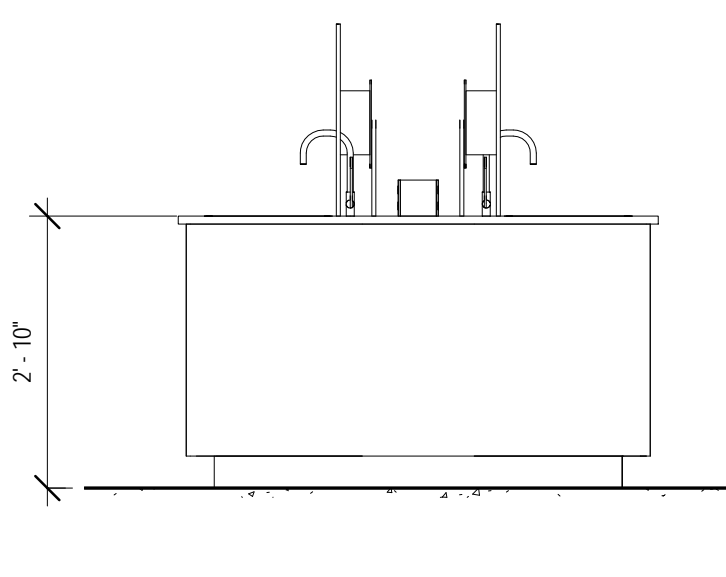
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 1/2" = 1'-0"



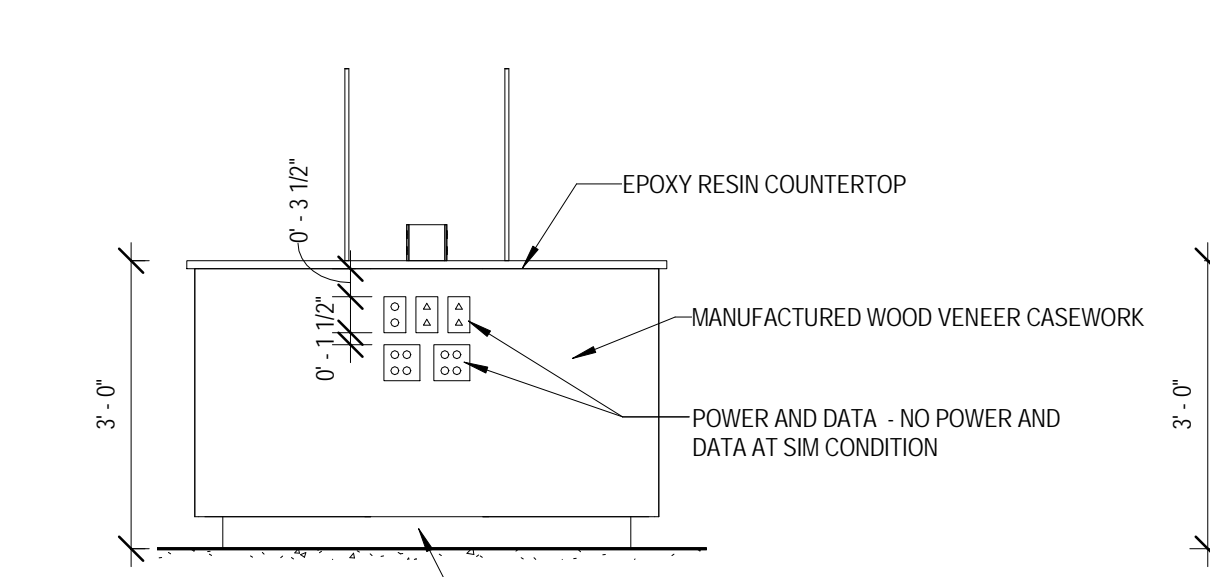
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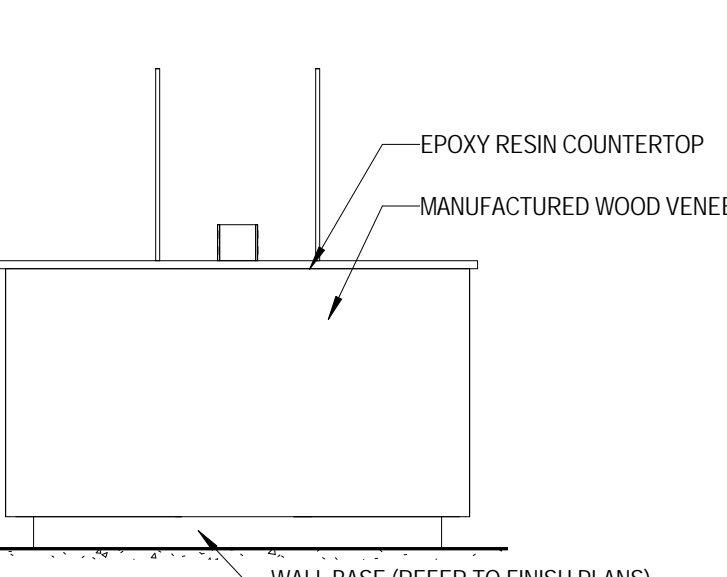
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 1/2" = 1'-0"



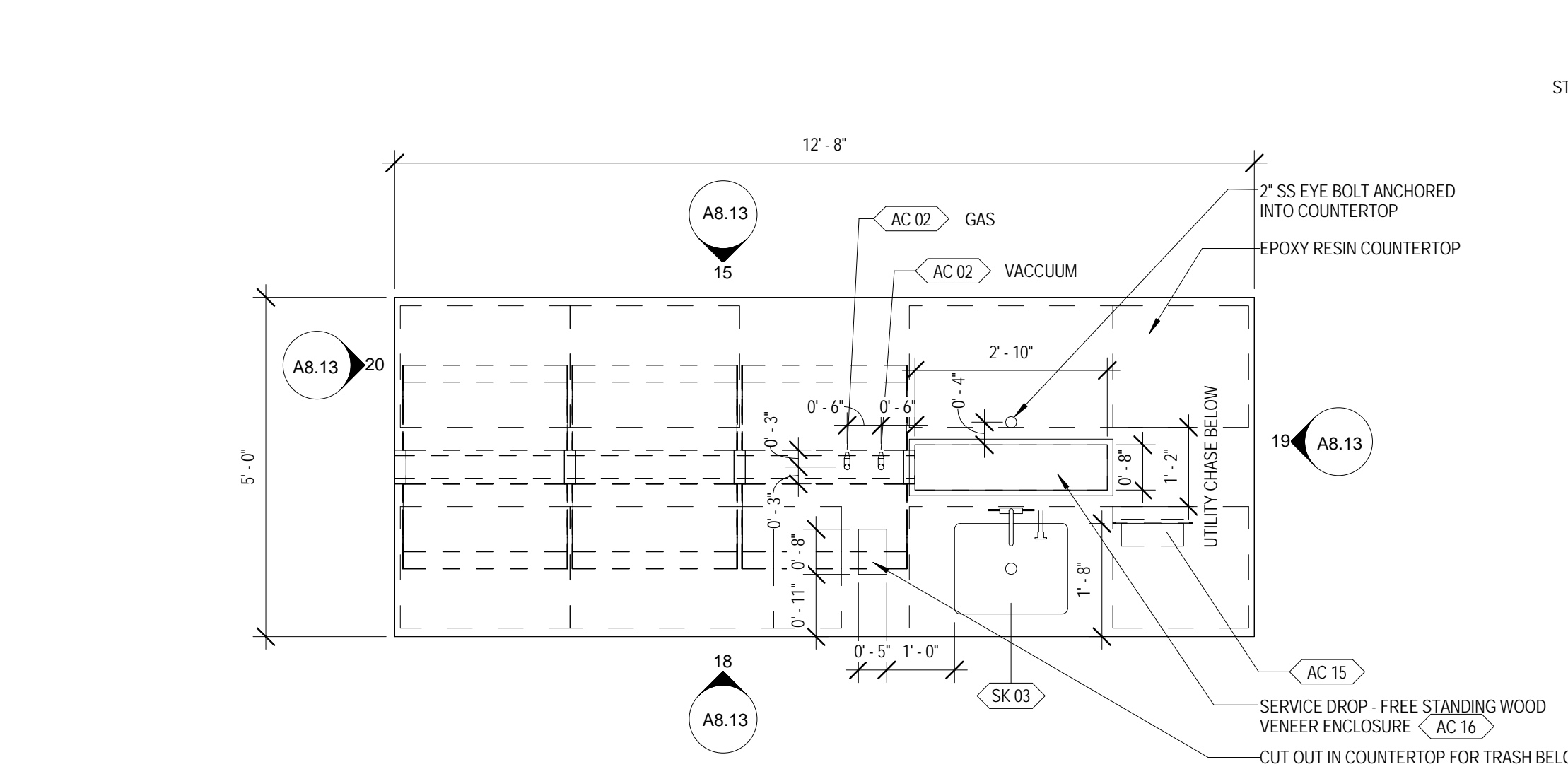
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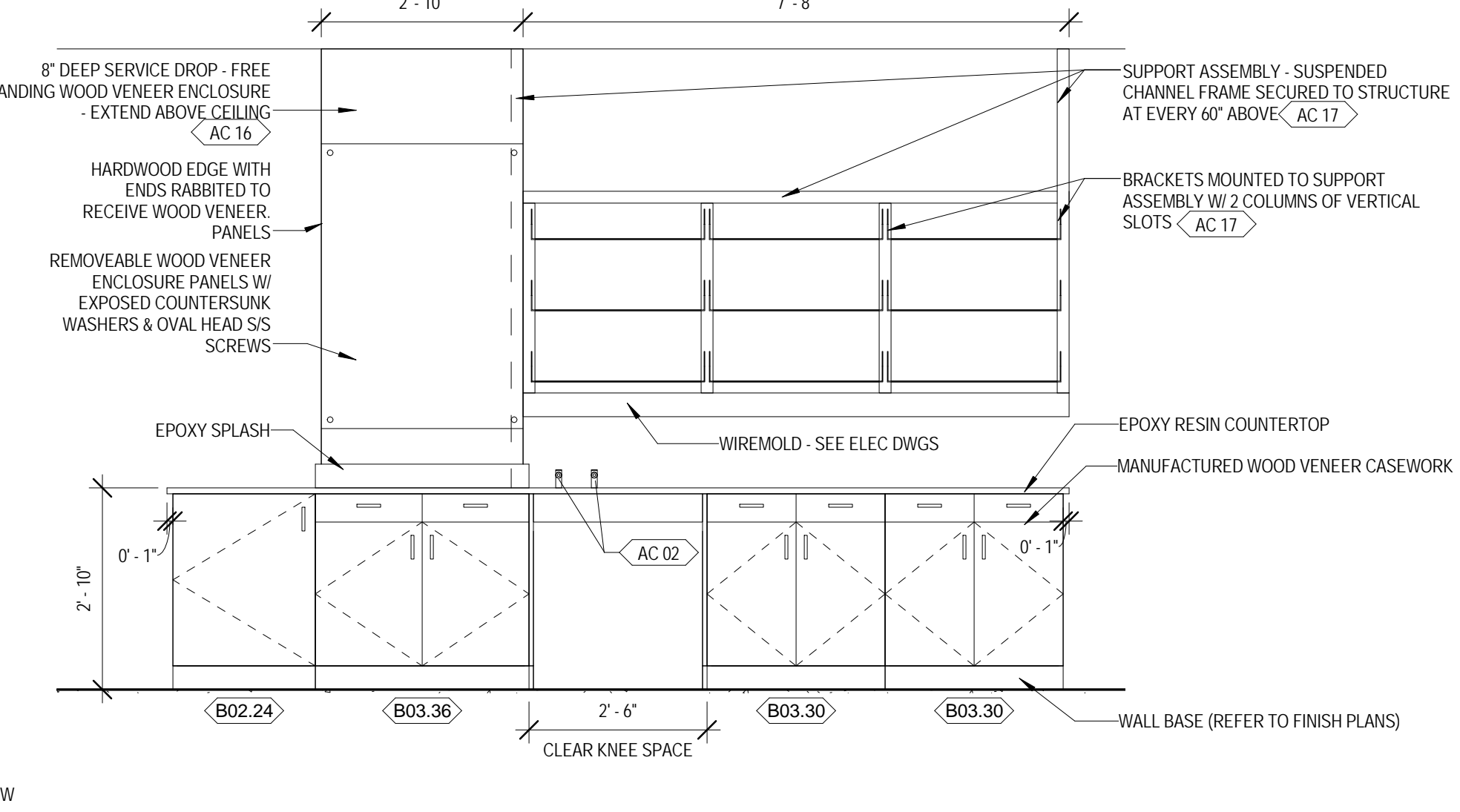
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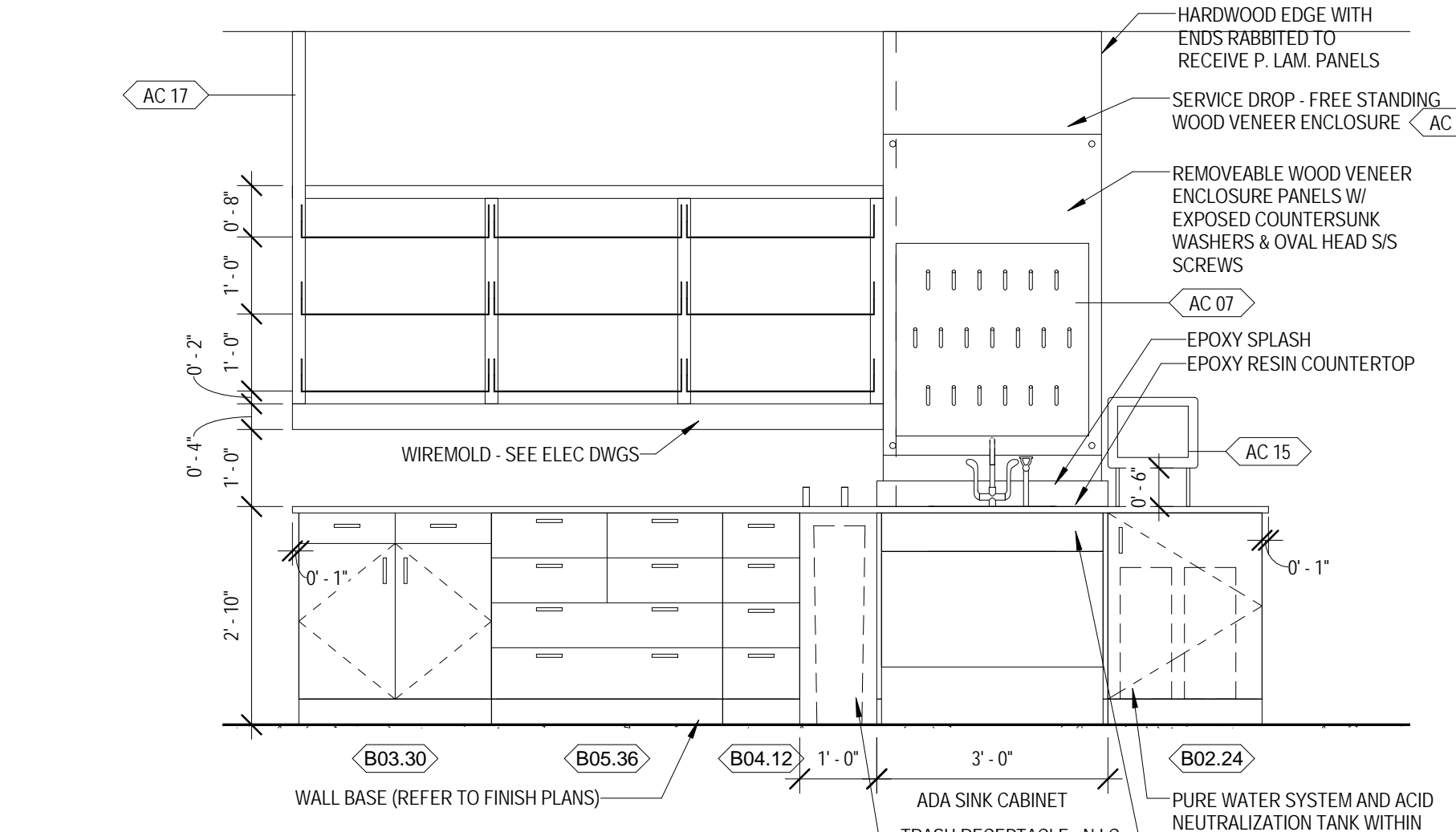
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 1/2" = 1'-0"



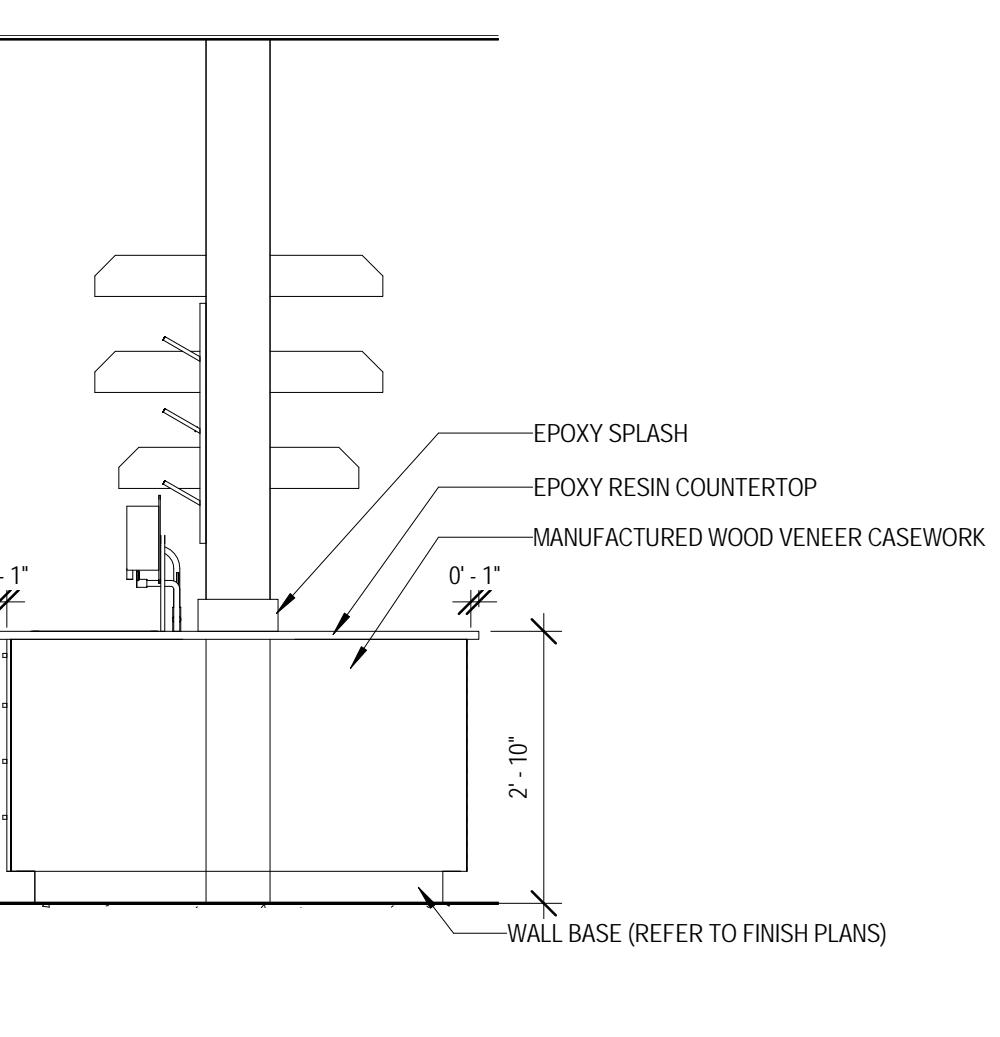
14 CHEM PREP ISLAND - PLAN
 1/2" = 1'-0"



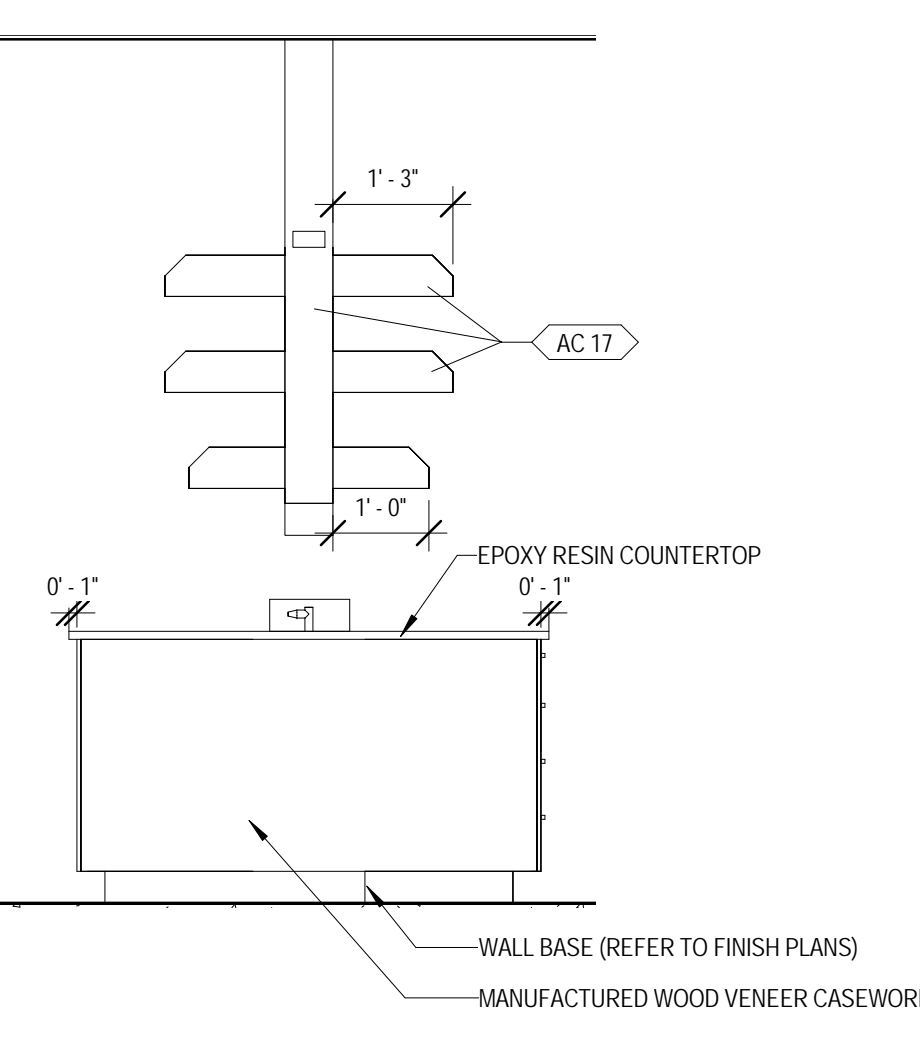
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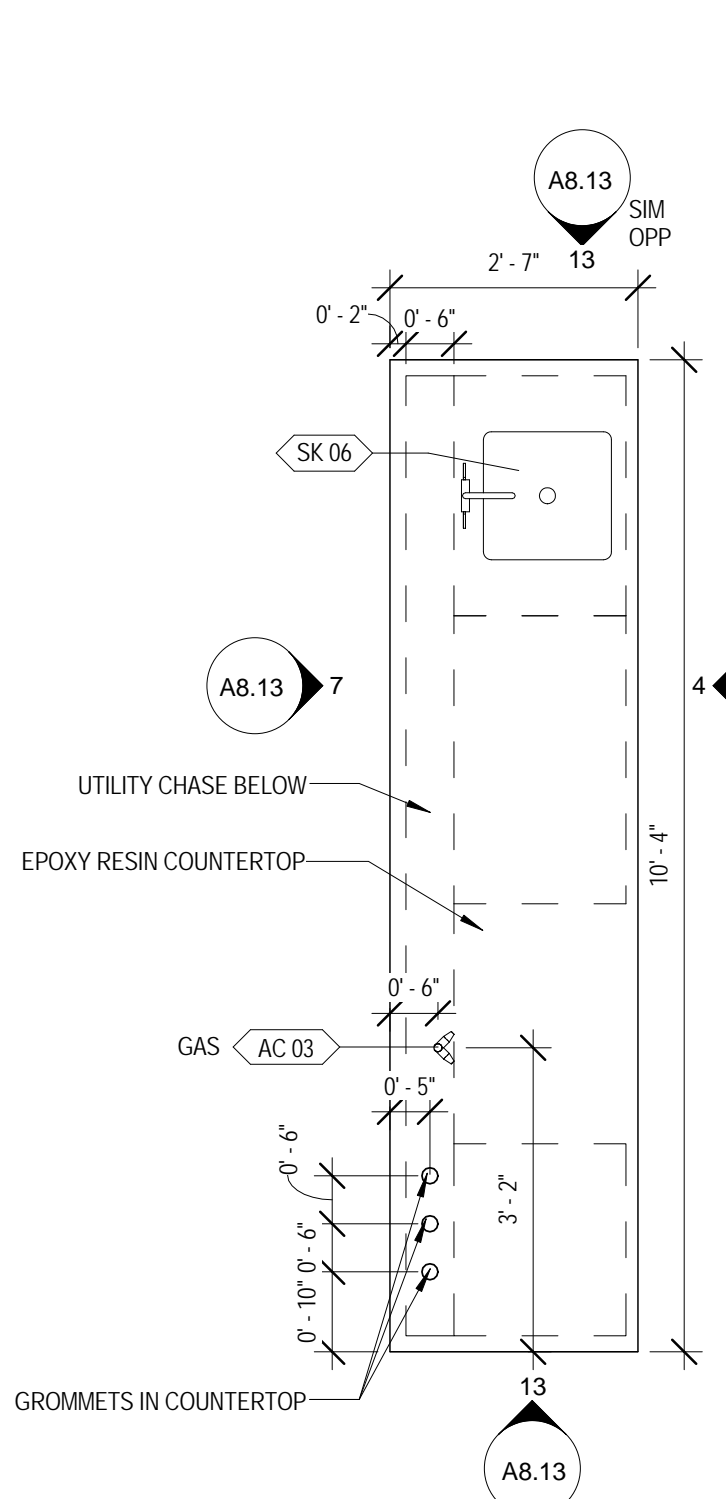
18 CHEM PREP ISLAND - ELEV 1
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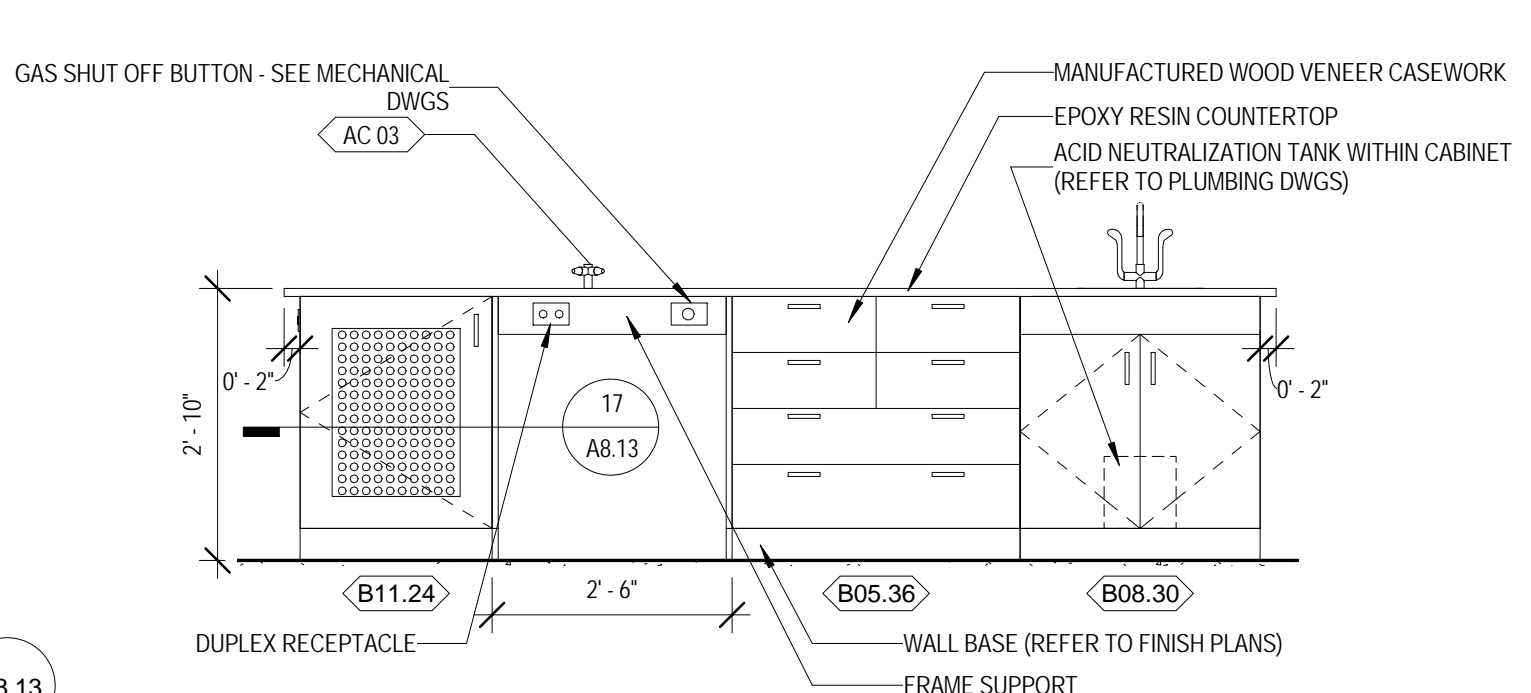
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 1/2" = 1'-0"



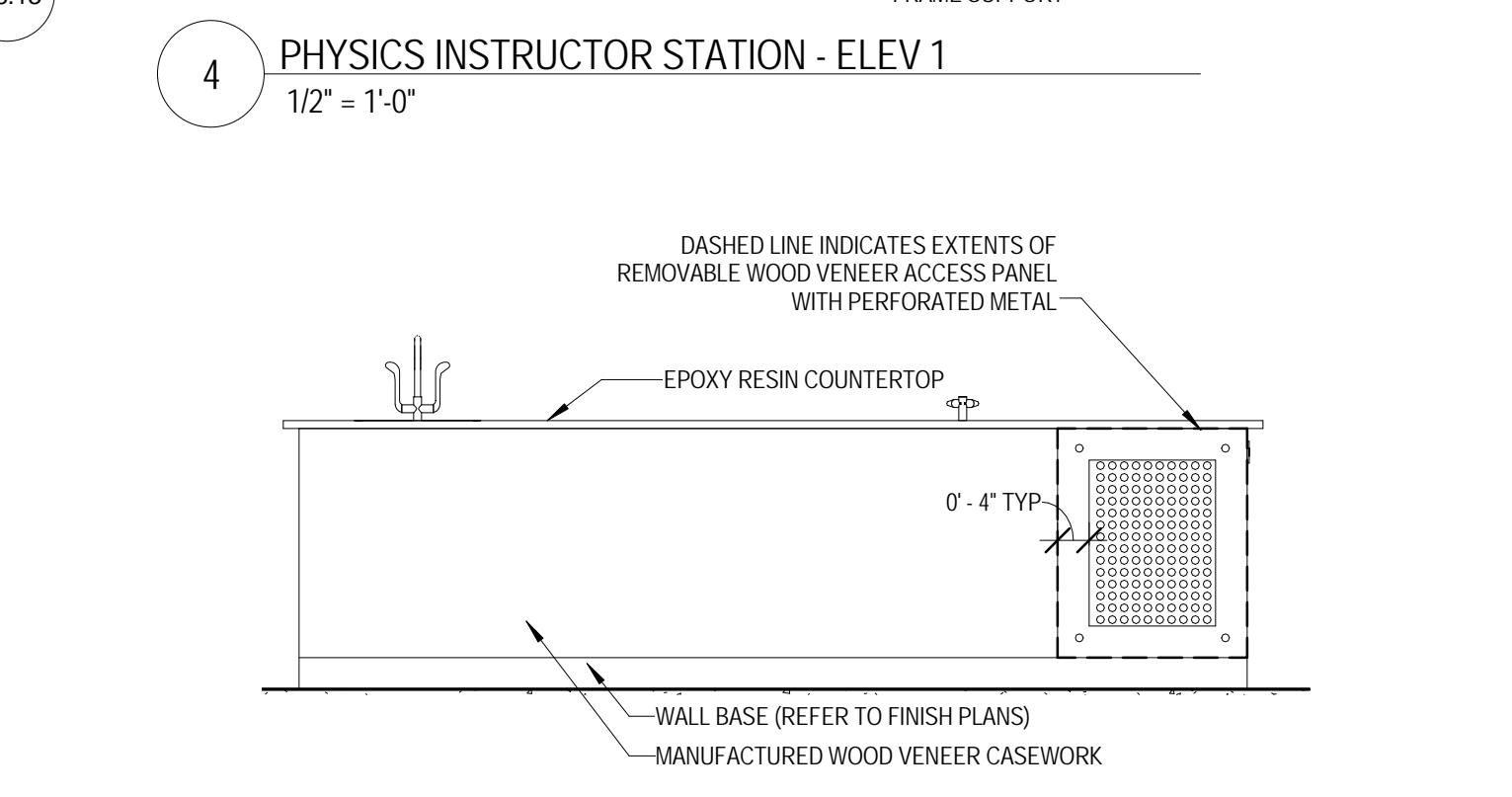
20 CHEM PREP ISLAND - ELEV 4
 1/2" = 1'-0"



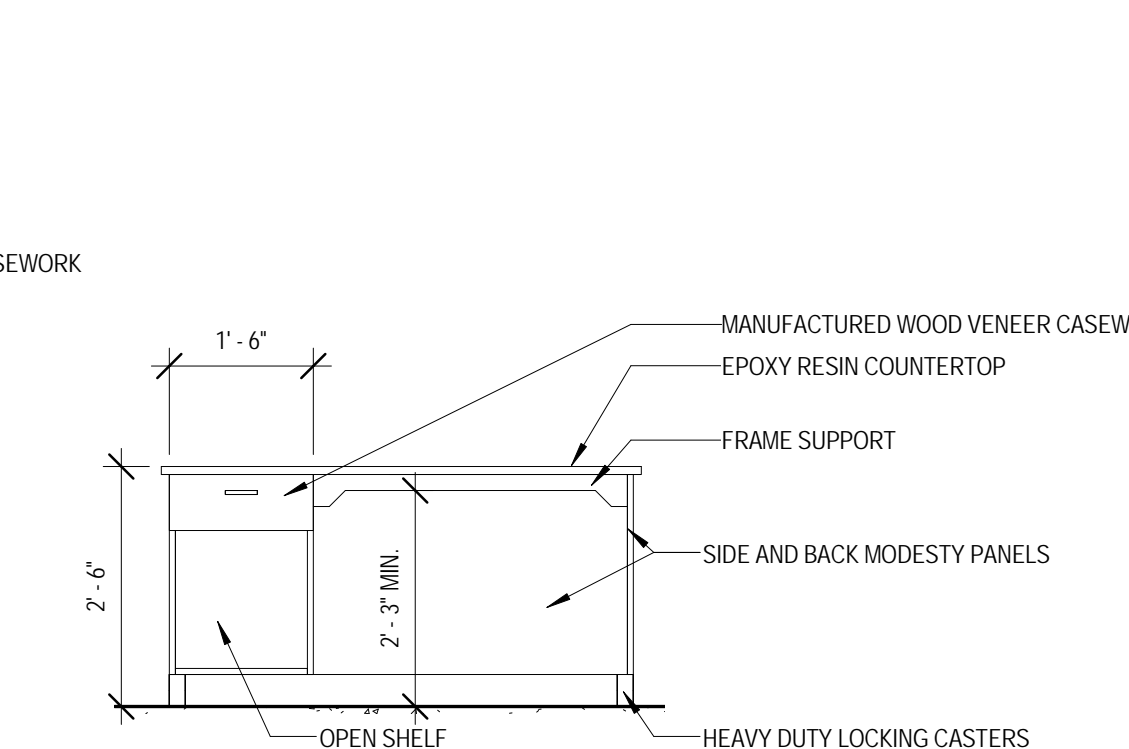
3 PHYSICS TEACHER STATION - PLAN
 1/2" = 1'-0"



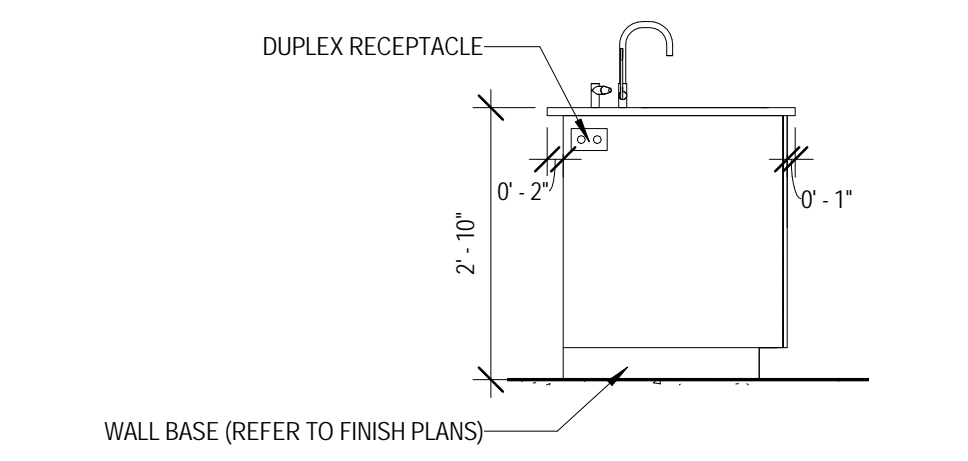
4 PHYSICS INSTRUCTOR STATION - ELEV 1
 1/2" = 1'-0"



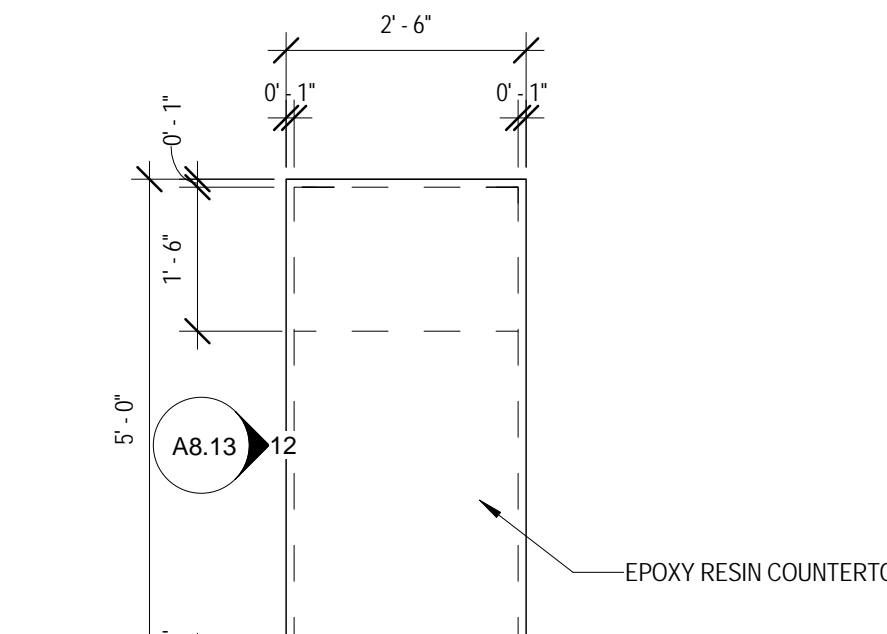
7 PHYSICS INSTRUCTOR STATION - ELEV 3
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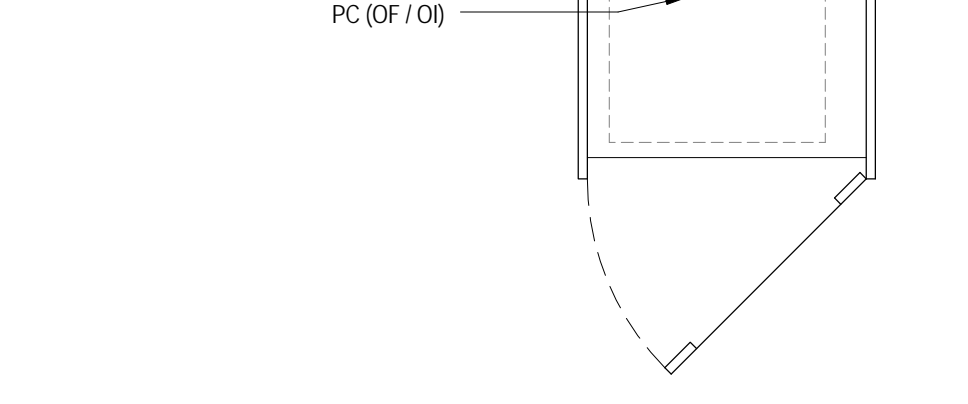
12 CHEMISTRY TEACHING TABLE - ELEVATION
 1/2" = 1'-0"



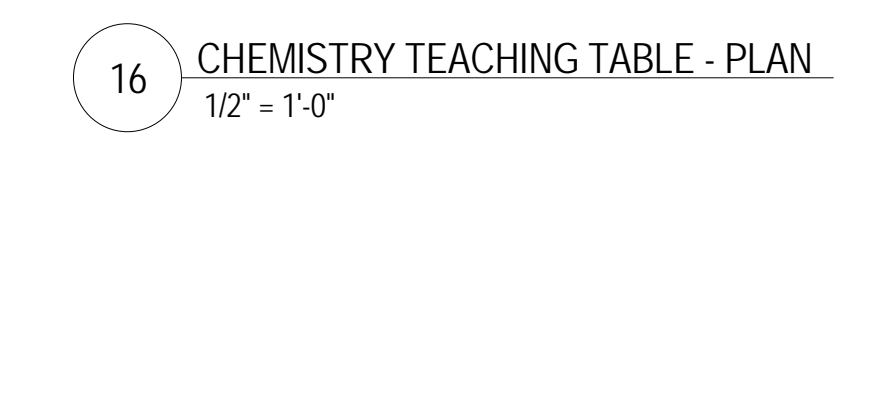
13 PHYSICS INSTRUCTOR STATION - ELEV 2
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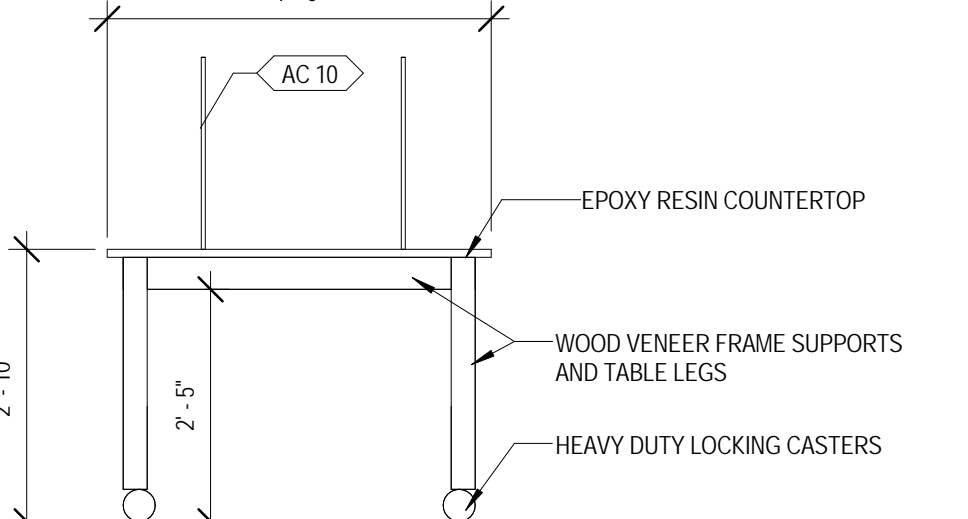
16 CHEMISTRY TEACHING TABLE - PLAN
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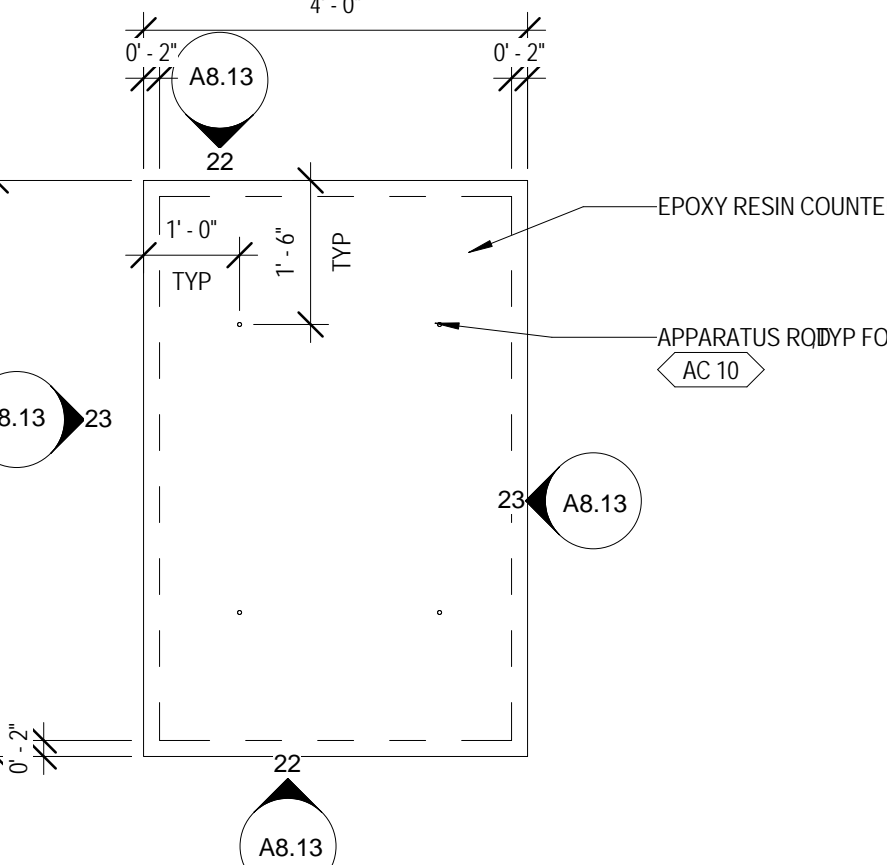
17 PHYSICS INSTRUCTOR CASEWORK COMPUTER CABINET DETAIL
 3/4" = 1'-0"



21 PHYSICS STUDENT TABLE - PLAN
 1/2" = 1'-0"



22 PHYSICS STUDENT TABLE - ELEV 1
 1/2" = 1'-0"



23 PHYSICS STUDENT TABLE - ELEV 2
 1/2" = 1'-0"



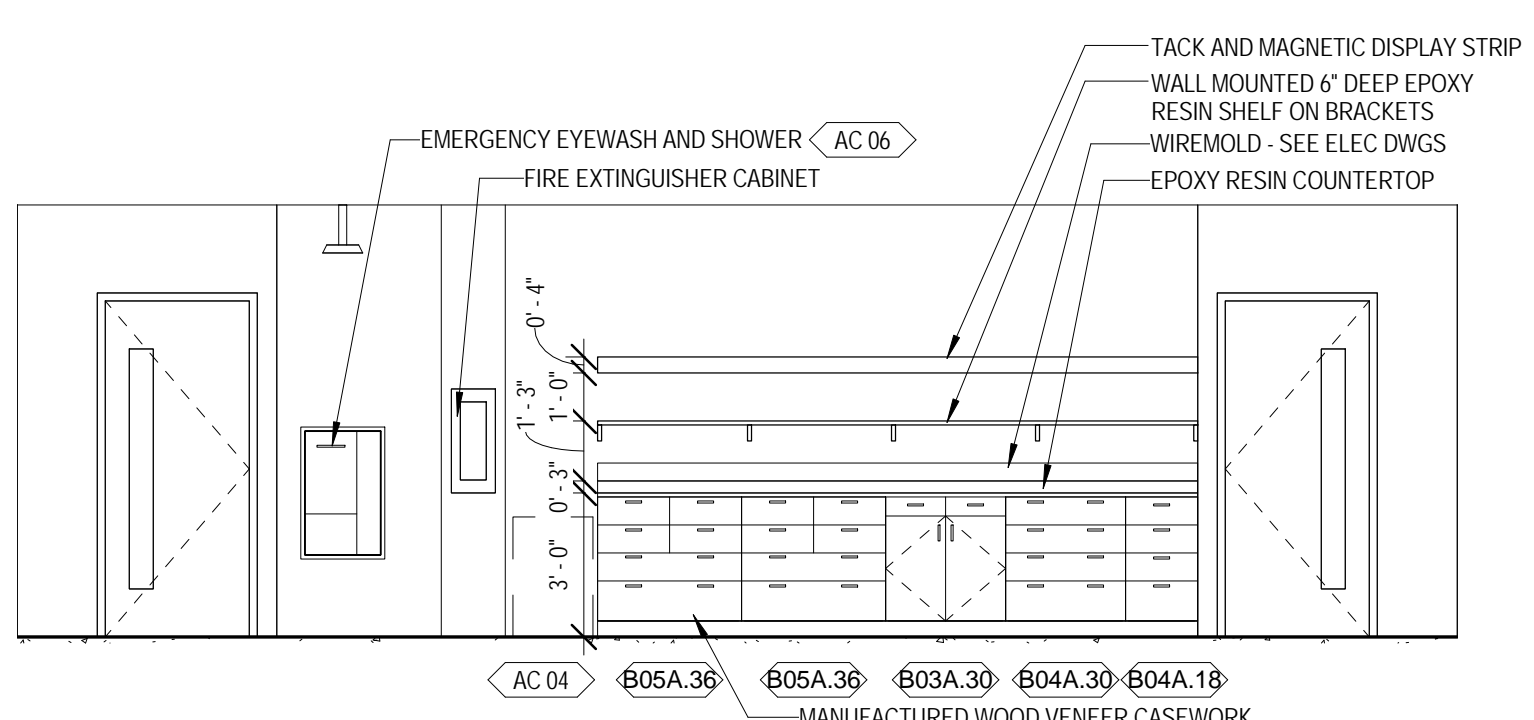
ARCHITECT OF RECORD
 DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
 KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

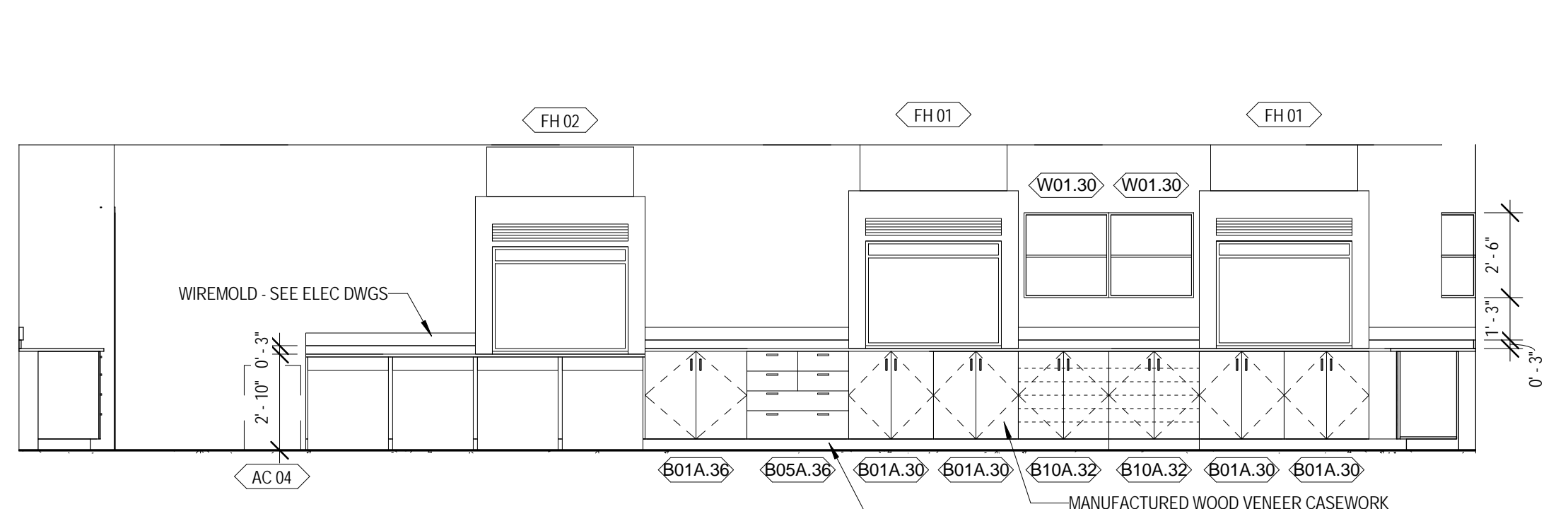
FOOD SERVICE CONSULTANT
 CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
 JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

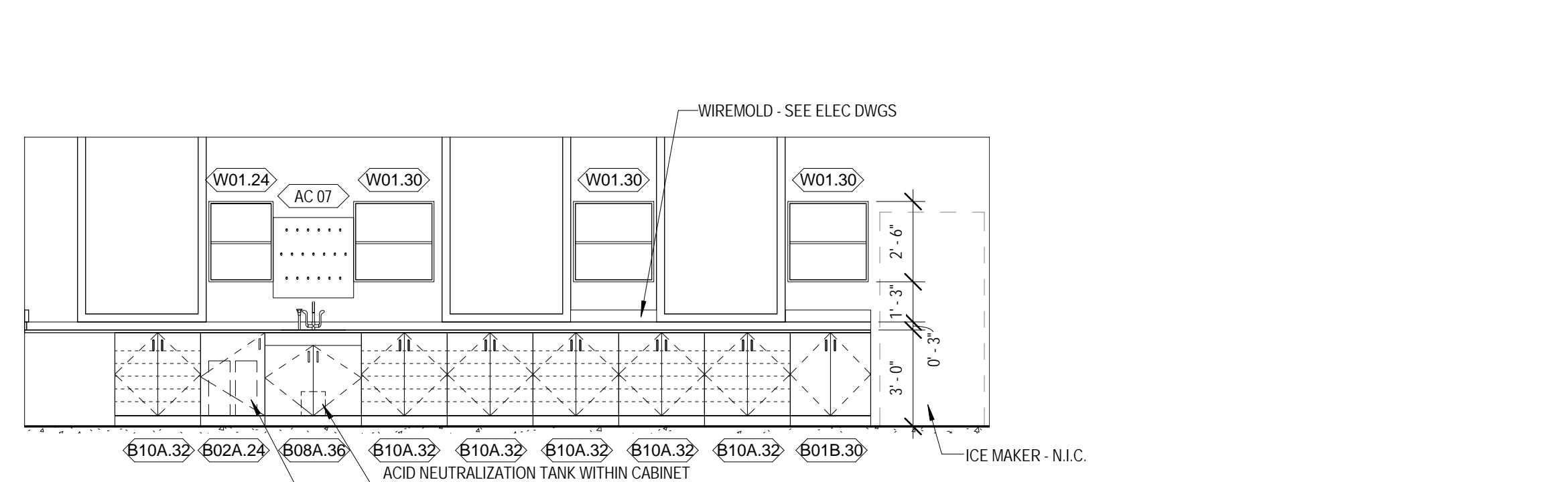
**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005



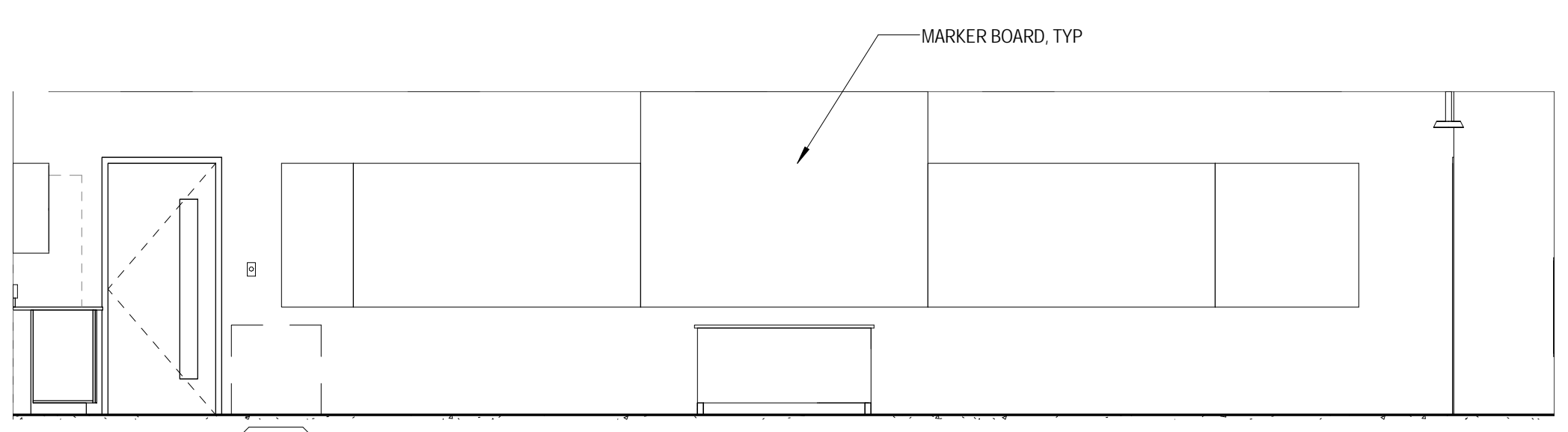
1 INTERIOR ELEVATION - CHEMISTRY LAB NORTH
 1/4" = 1'-0"



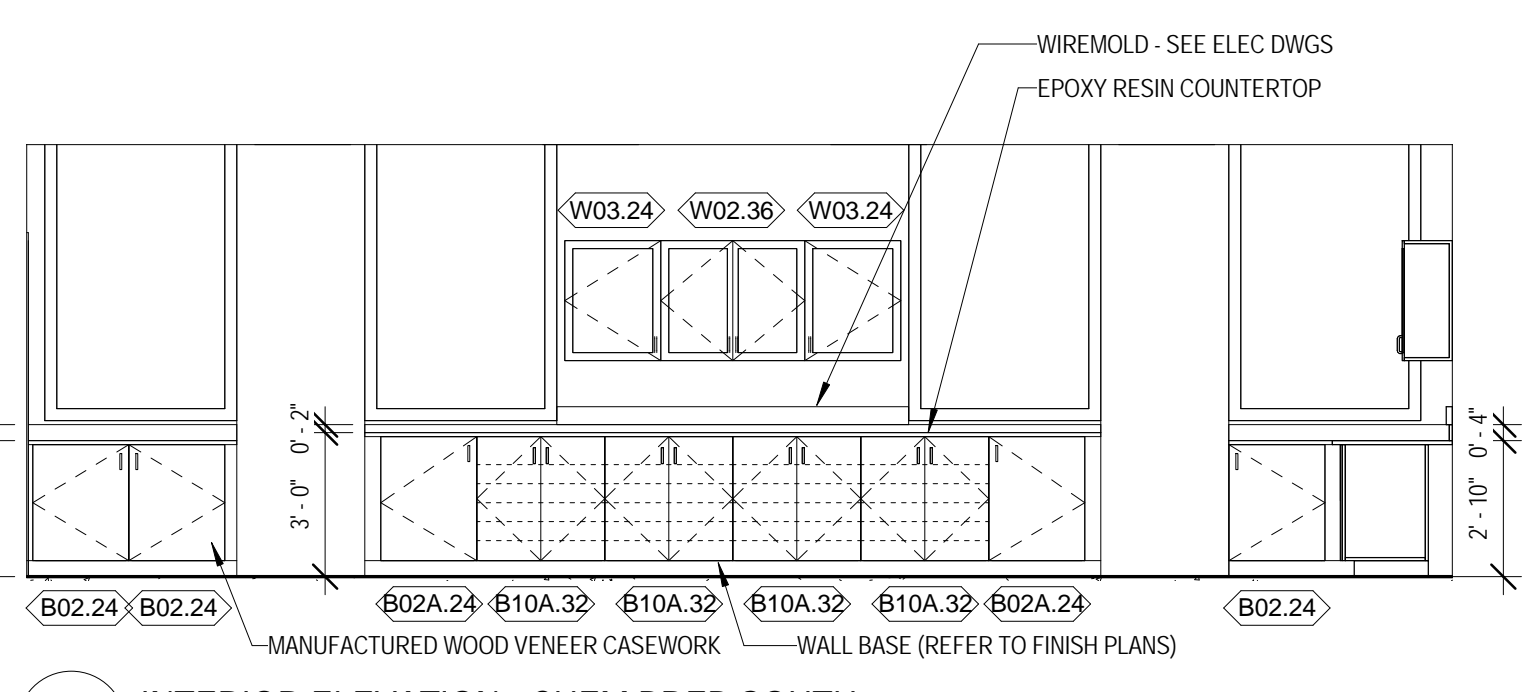
2 INTERIOR ELEVATION - CHEMISTRY LAB EAST
 1/4" = 1'-0"



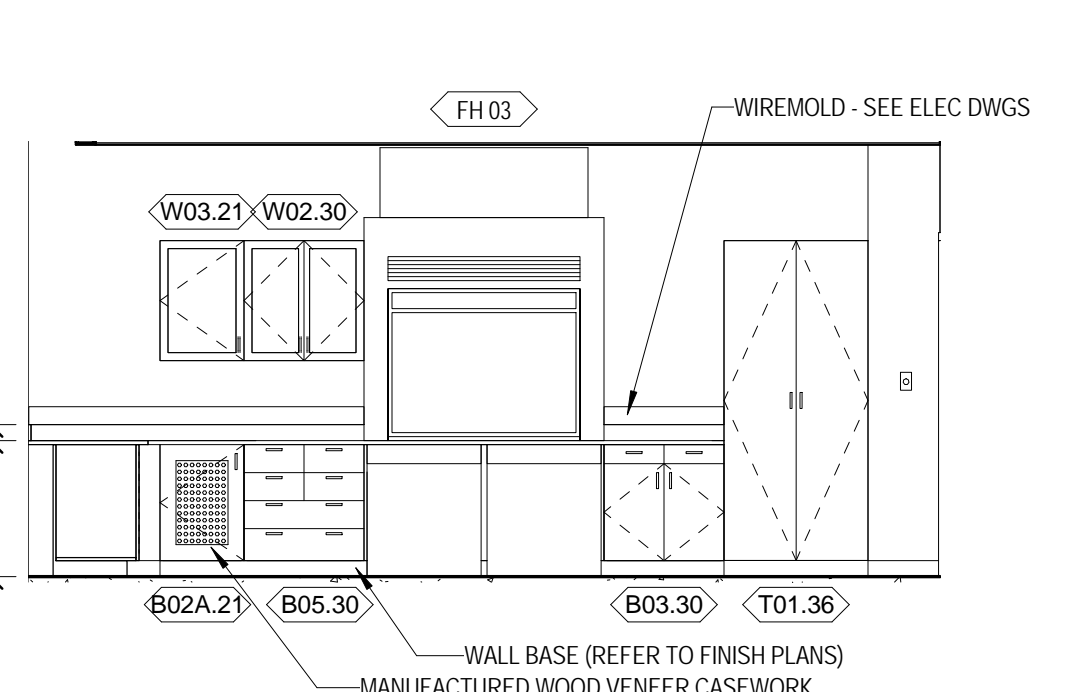
3 INTERIOR ELEVATION - CHEMISTRY LAB SOUTH
 1/4" = 1'-0"



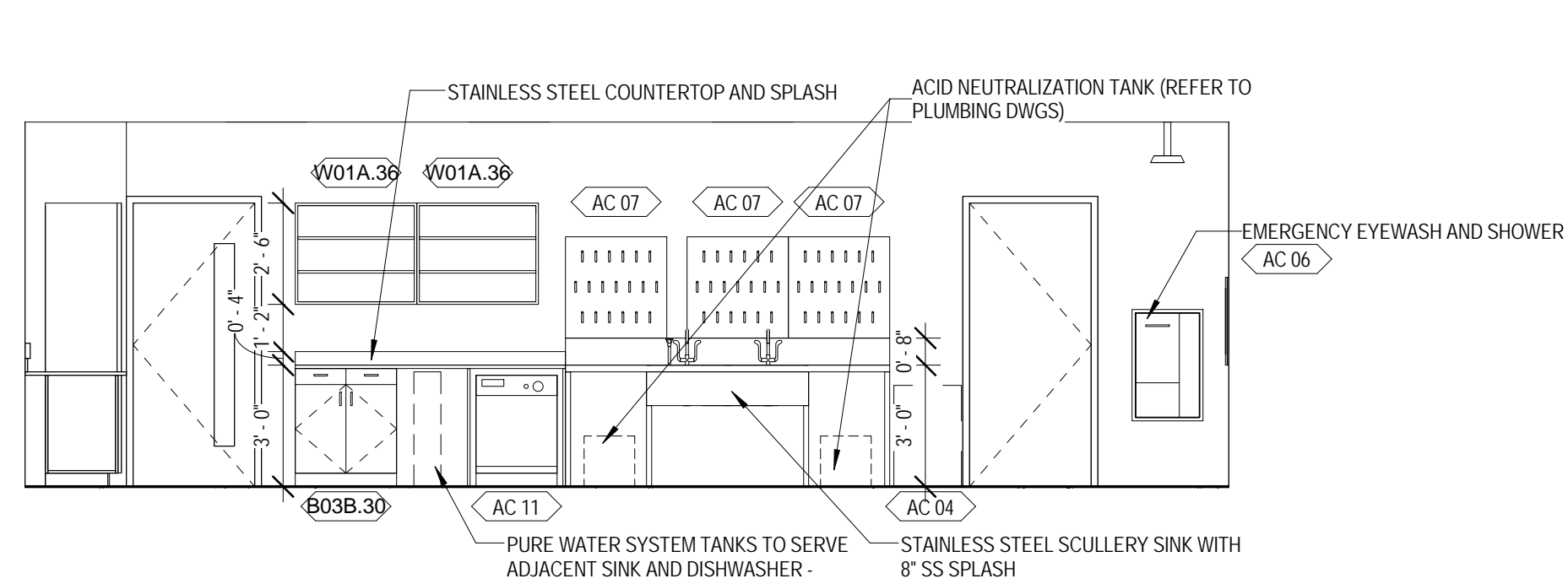
4 INTERIOR ELEVATION - CHEMISTRY LAB WEST
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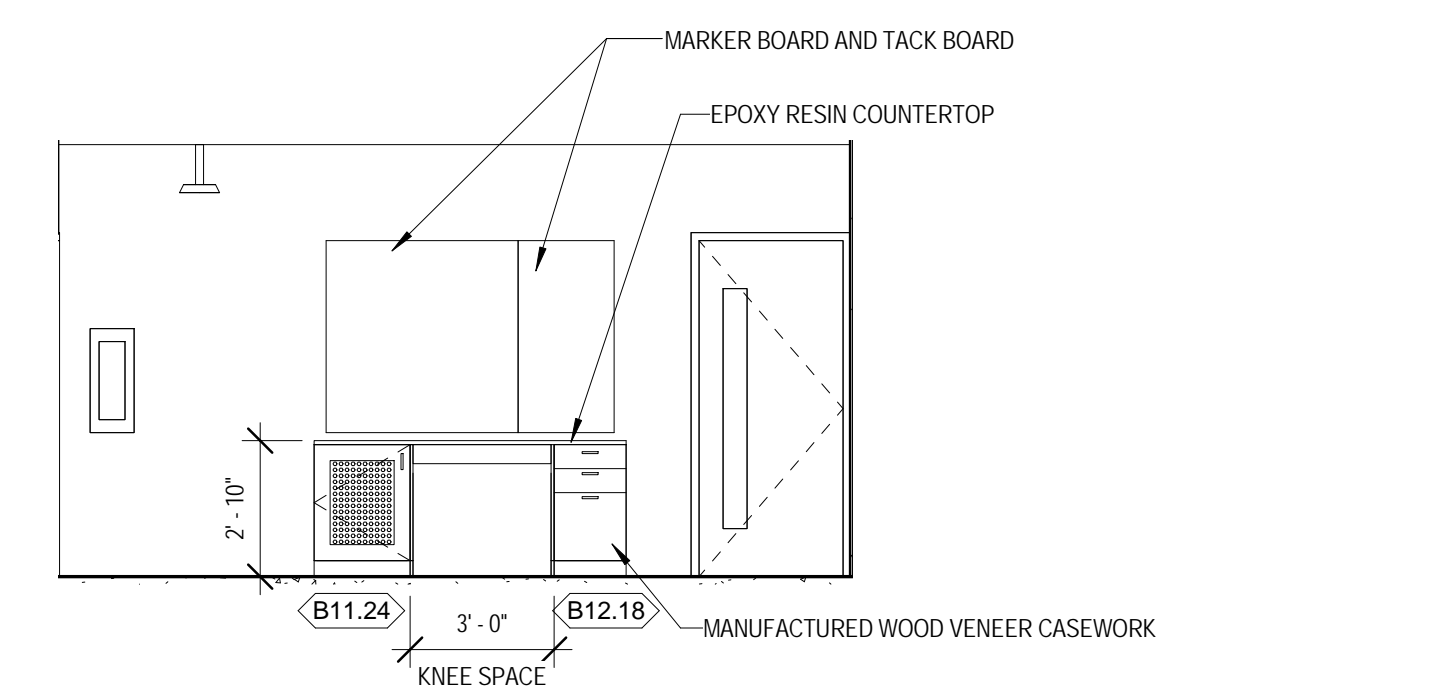
5 INTERIOR ELEVATION - CHEM PREP SOUTH
 1/4" = 1'-0"



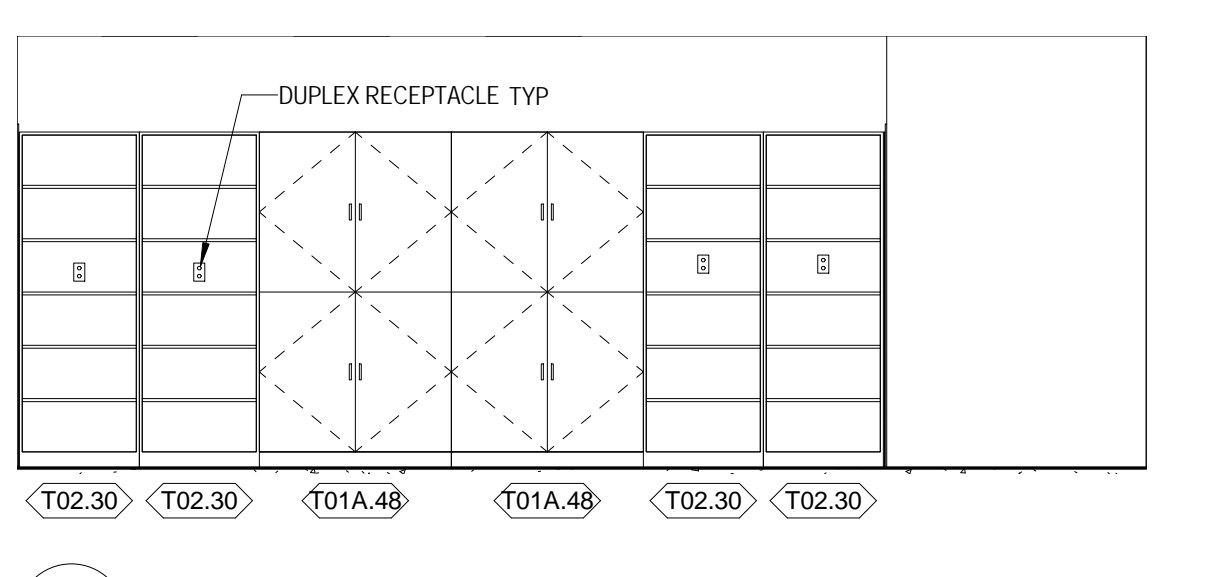
6 INTERIOR ELEVATION - CHEM PREP WEST
 1/4" = 1'-0"



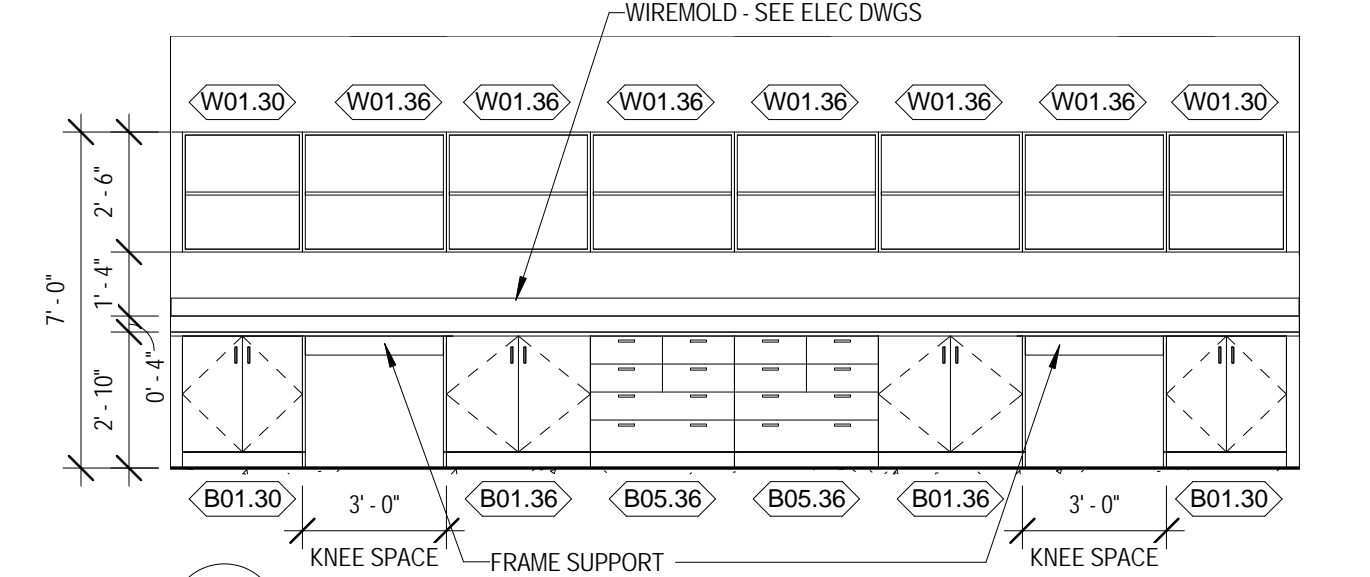
7 INTERIOR ELEVATION - CHEM PREP NORTH
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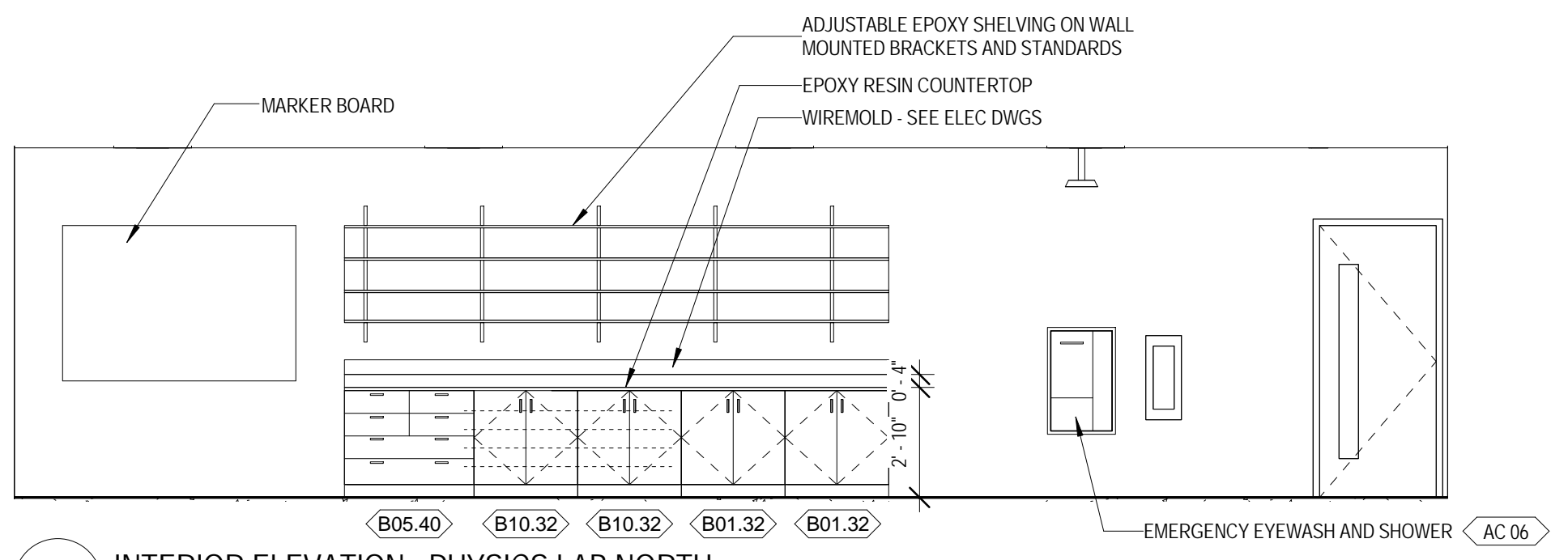
14 INTERIOR ELEVATION - CHEM PREP EAST
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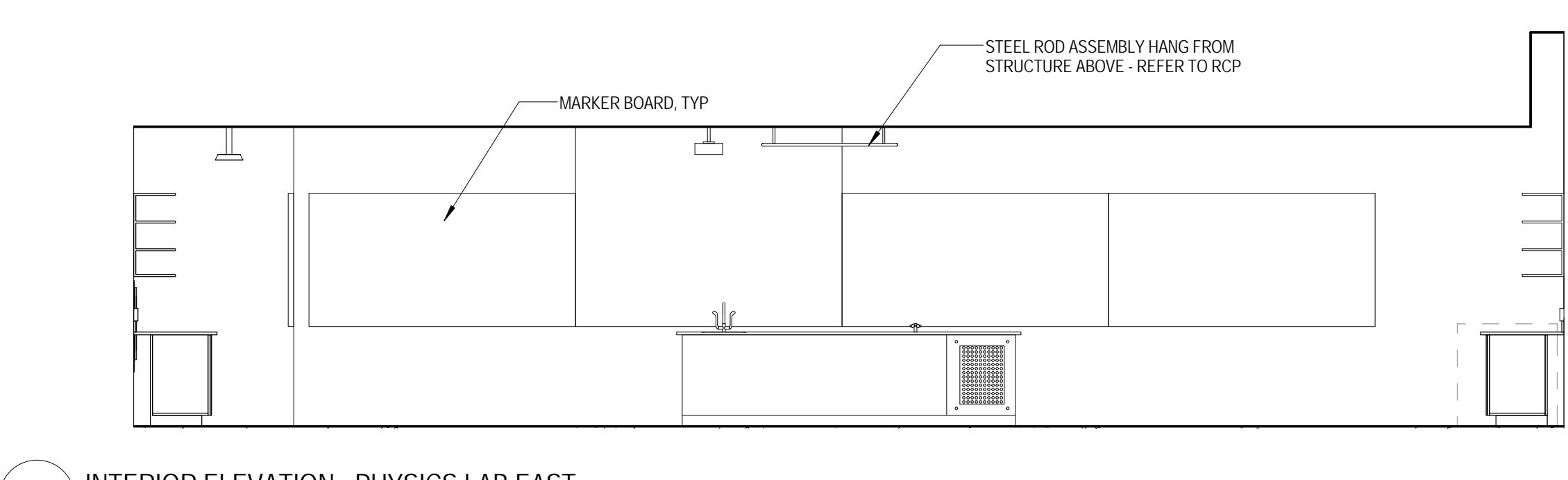
8 INTERIOR ELEVATION - PHYSICS PREP WEST
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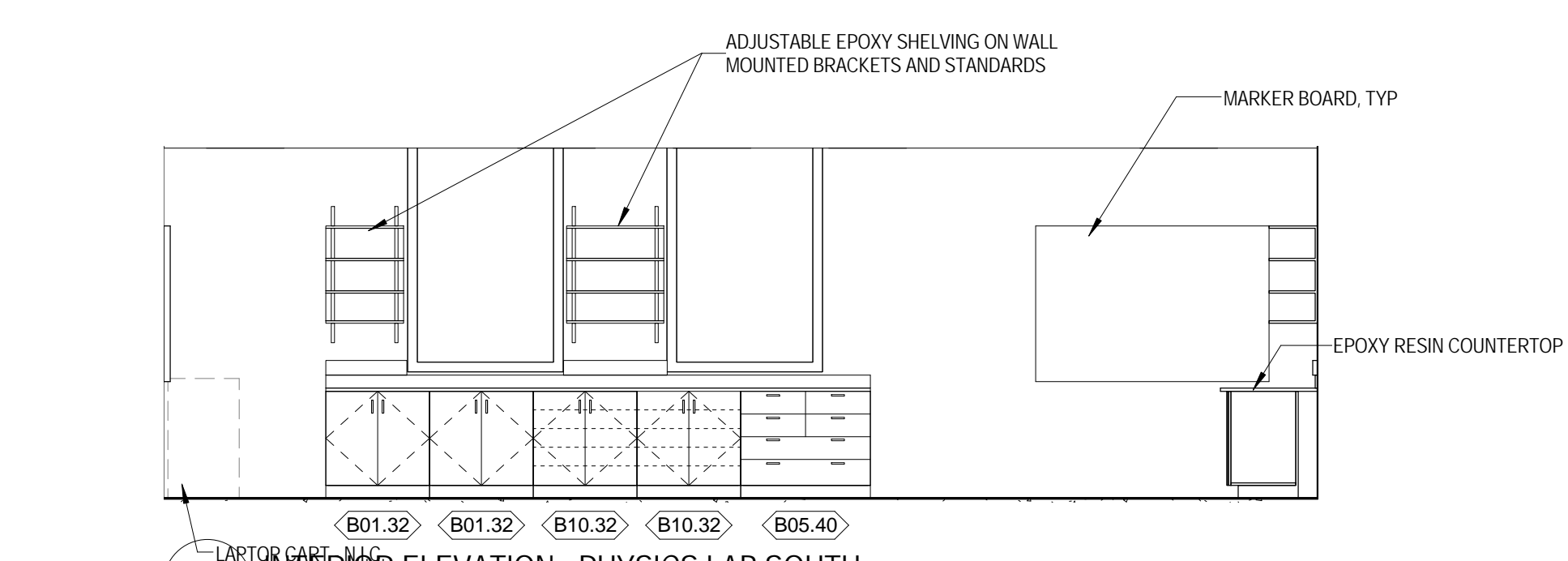
9 INTERIOR ELEVATION - PHYSICS PREP EAST
 1/4" = 1'-0"



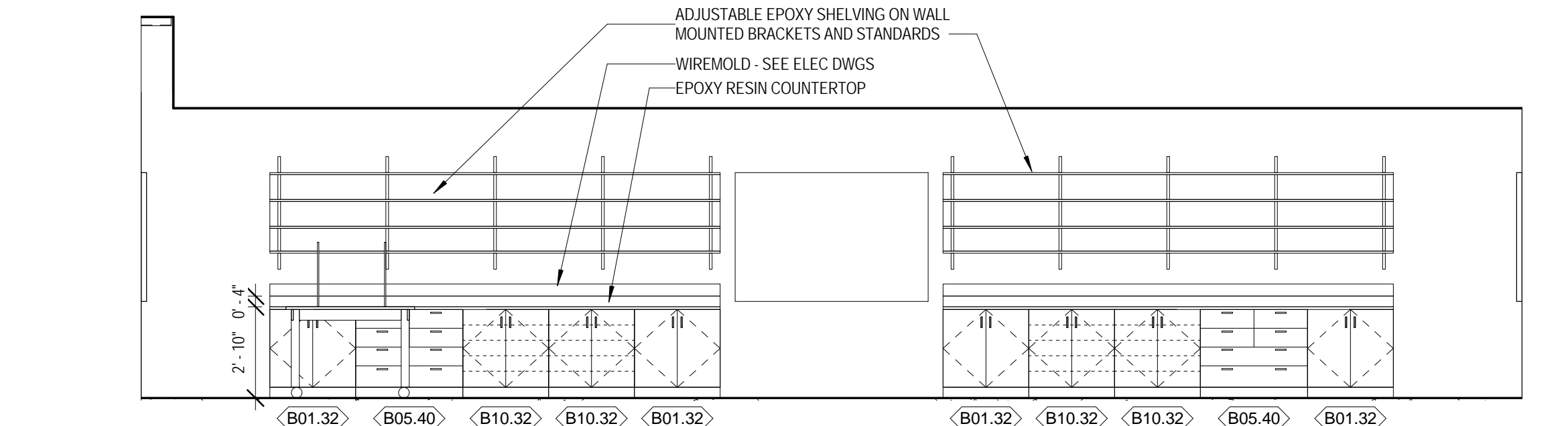
10 INTERIOR ELEVATION - PHYSICS LAB NORTH
 1/4" = 1'-0"



11 INTERIOR ELEVATION - PHYSICS LAB EAST
 1/4" = 1'-0"



12 INTERIOR ELEVATION - PHYSICS LAB SOUTH
 1/4" = 1'-0"



13 INTERIOR ELEVATION - PHYSICS LAB WEST
 1/4" = 1'-0"

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

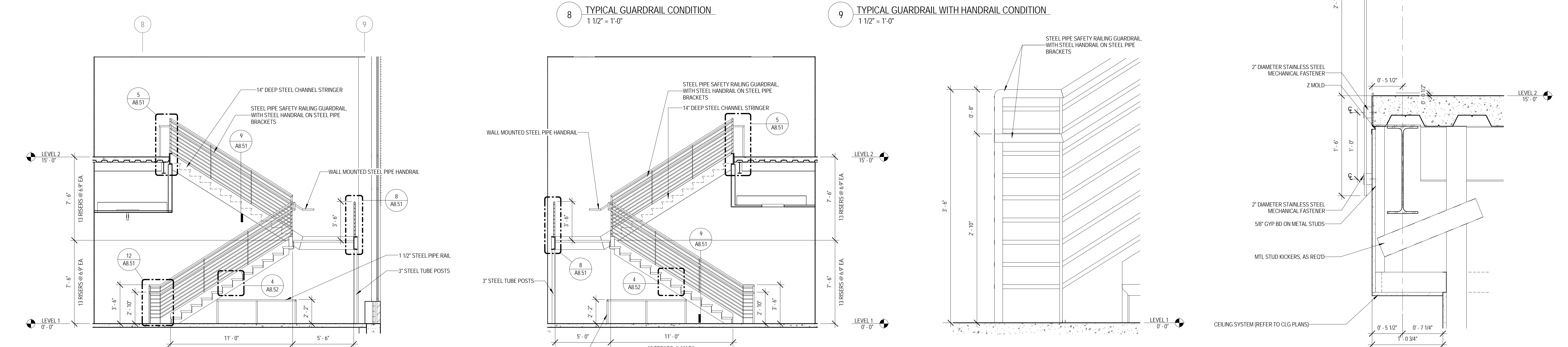
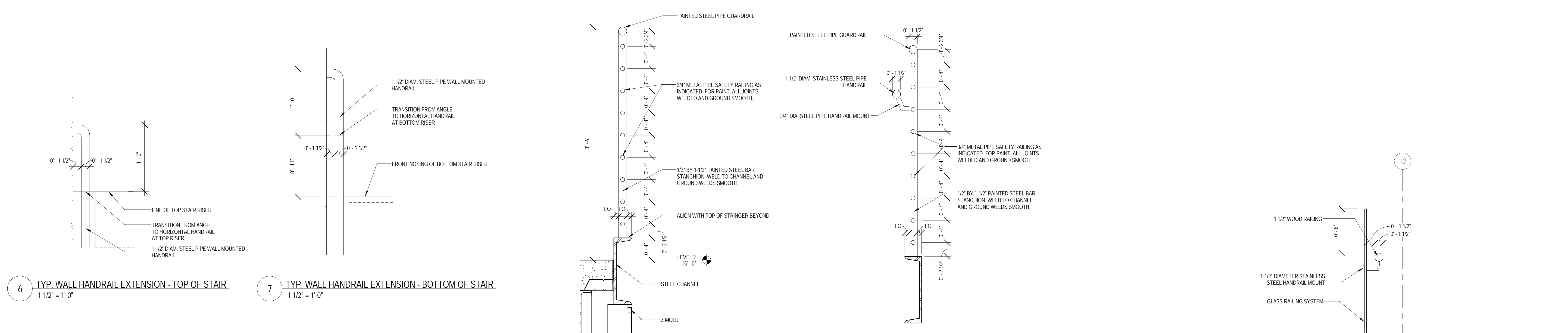
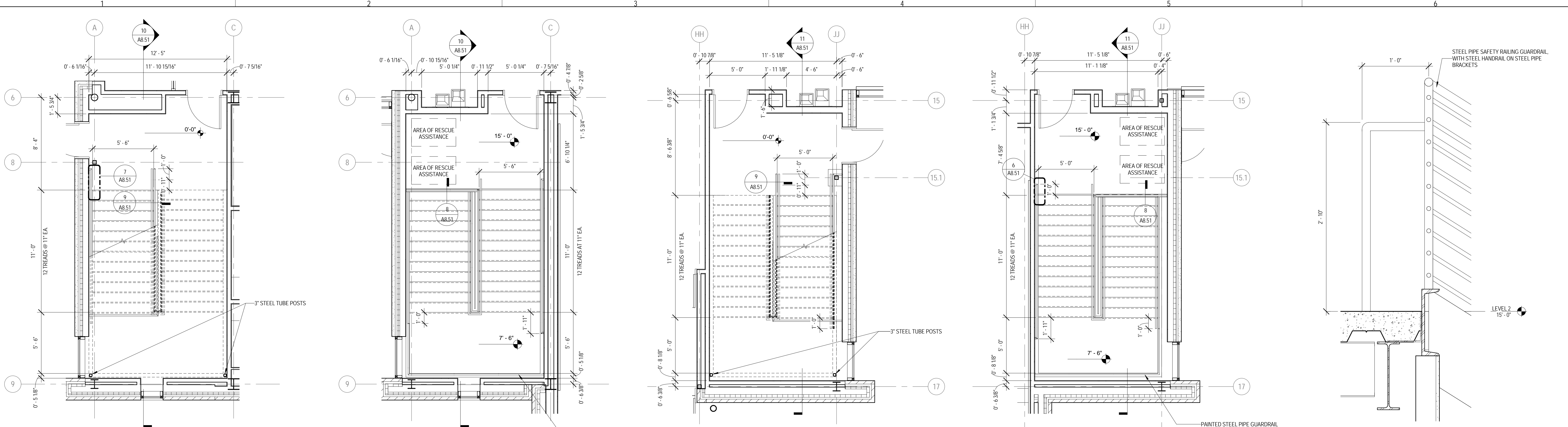
SCIENCE LABS - INTERIOR ELEVATIONS

SHEET NUMBER:

A8.14

9/18/2015 9:36:29 AM

NO.	DESCRIPTION:	DATE:





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 125 N. HALSTED STREET, SUITE 301
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STRUCTURAL AND MEP/PFP ENGINEERING
 KJWW ENGINEERING CONSULTANTS
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 P: 630.527.2320

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 P: 847.298.0088

CONSTRUCTION MANAGER
 JOLIET JUNIOR COLLEGE
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 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

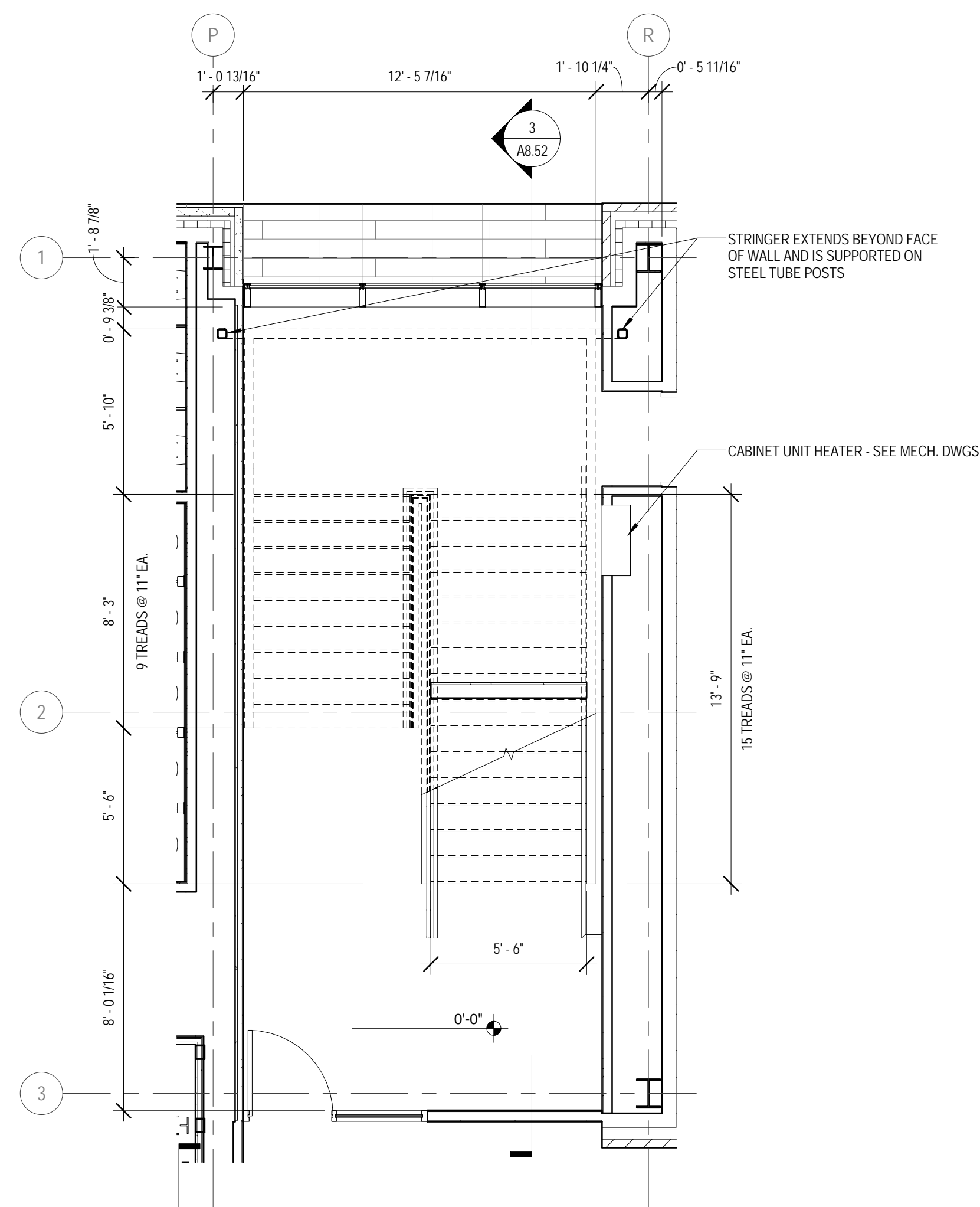
SHEET TITLE:

**ENLARGED STAIR
 PLANS, SECTIONS,
 AND DETAILS**

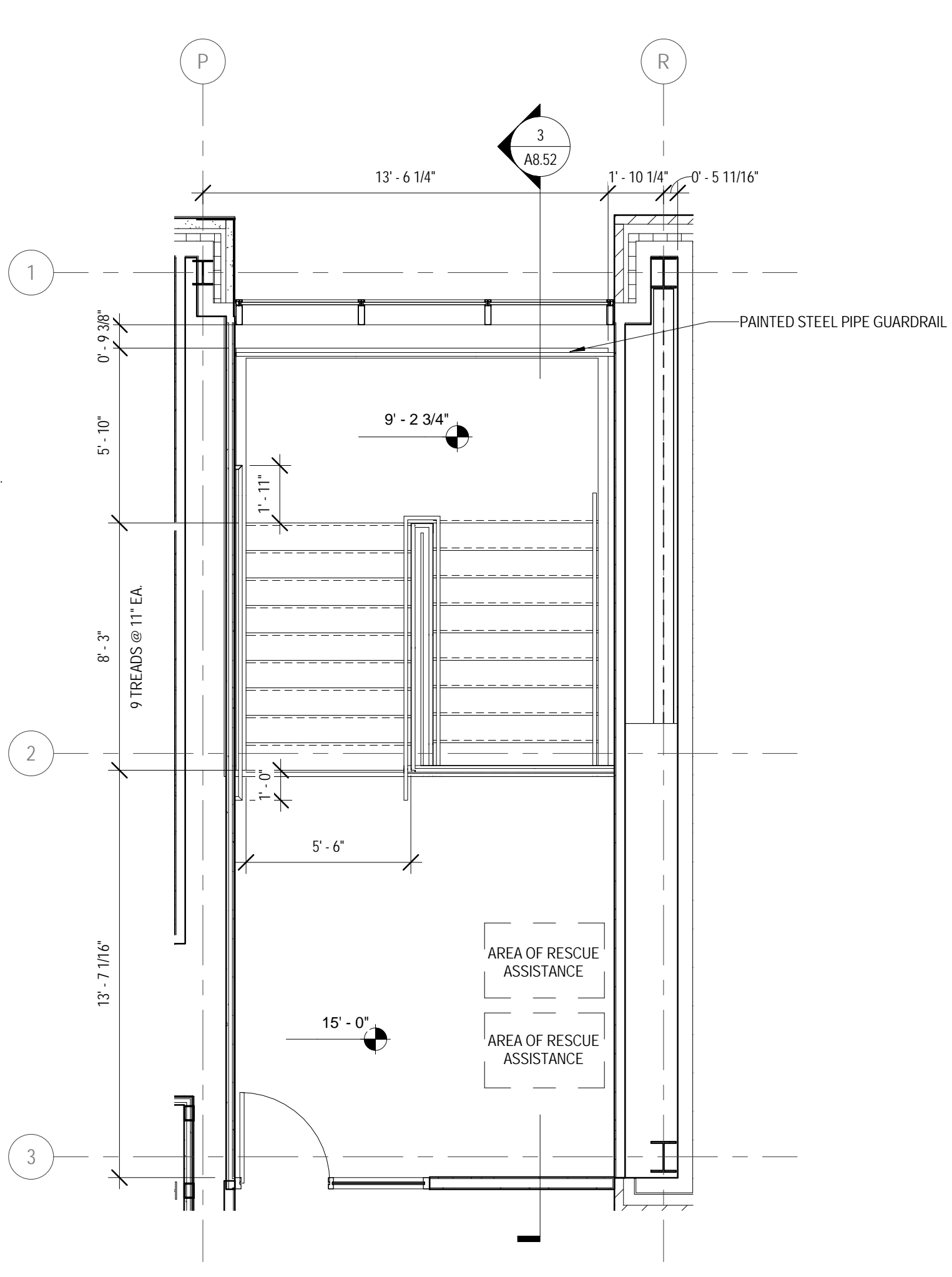
SHEET NUMBER:

A8.52

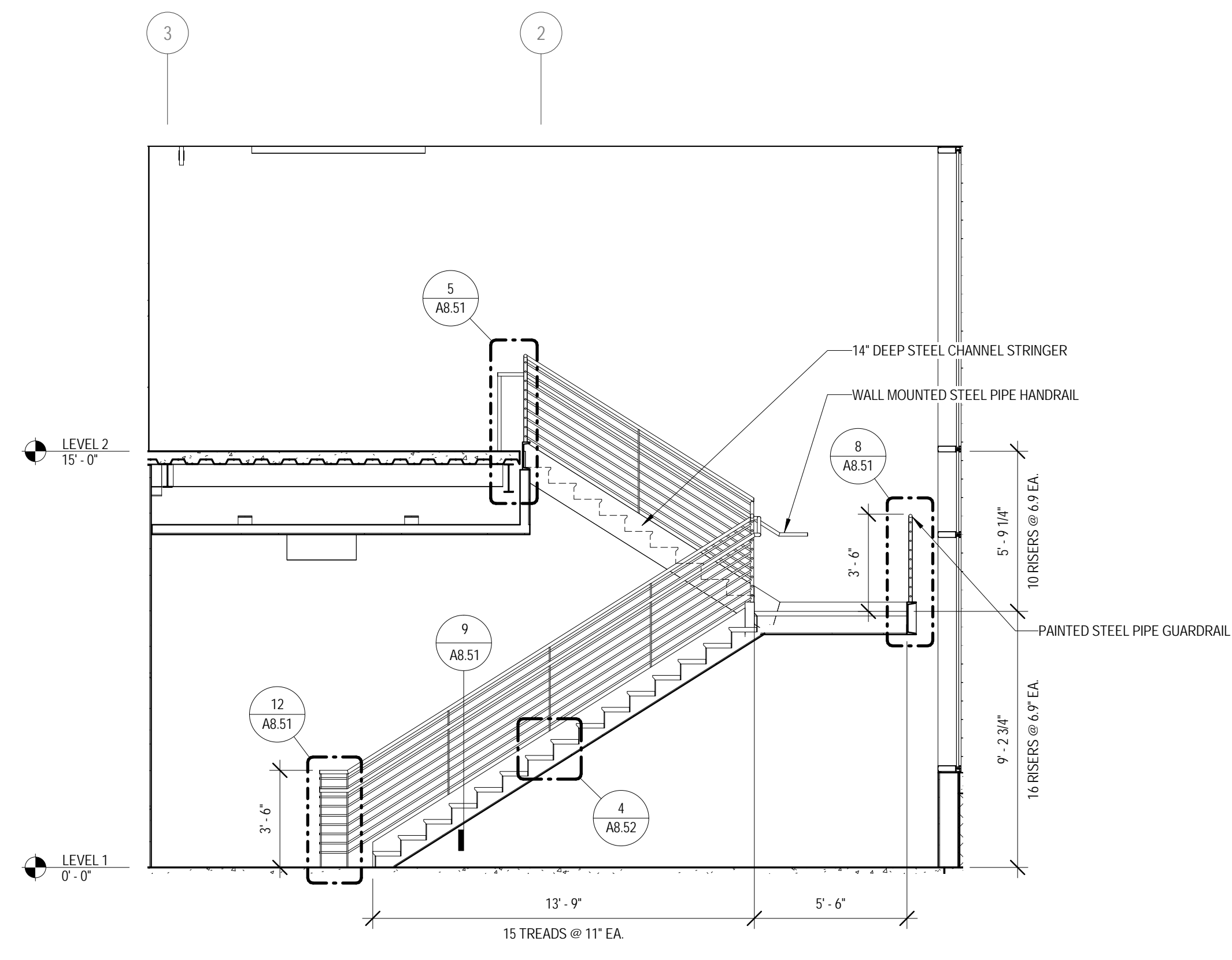
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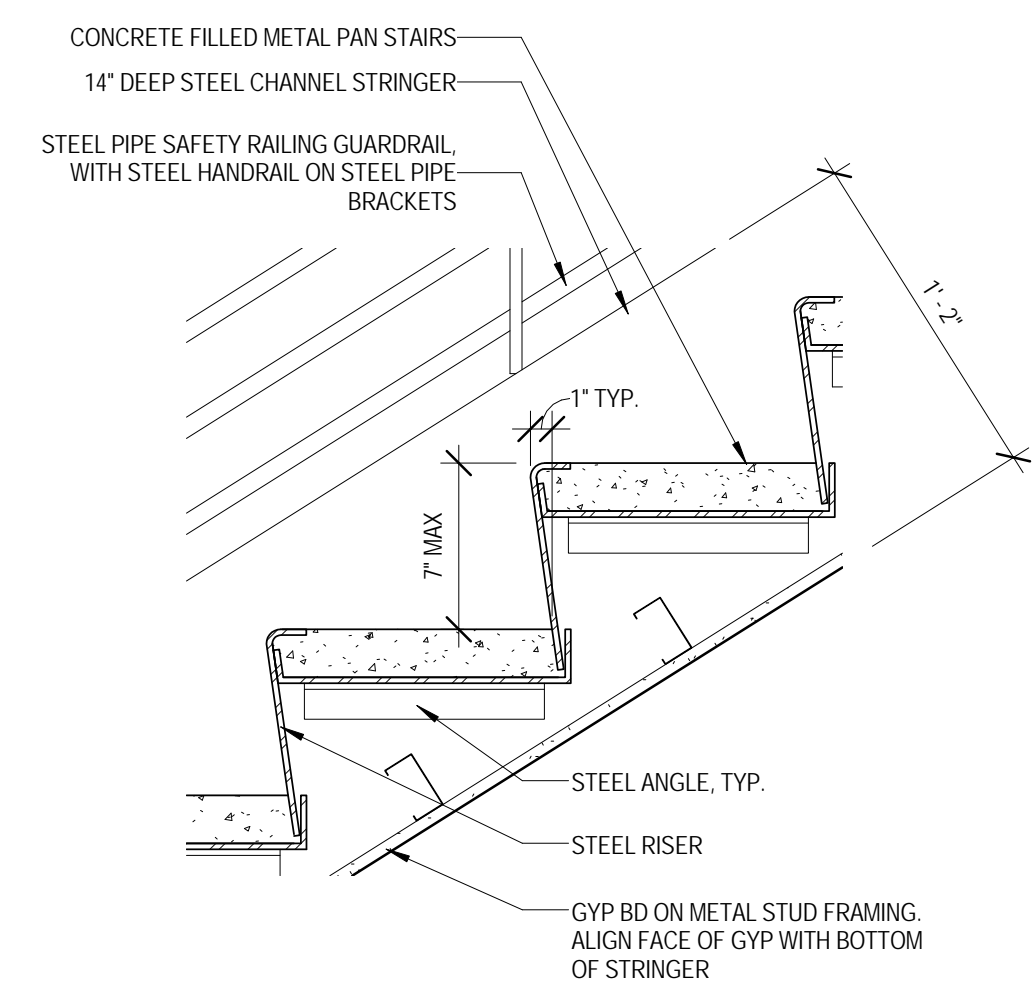
1 NORTH STAIR PLAN - LEVEL 1
 1/4" = 1'-0"



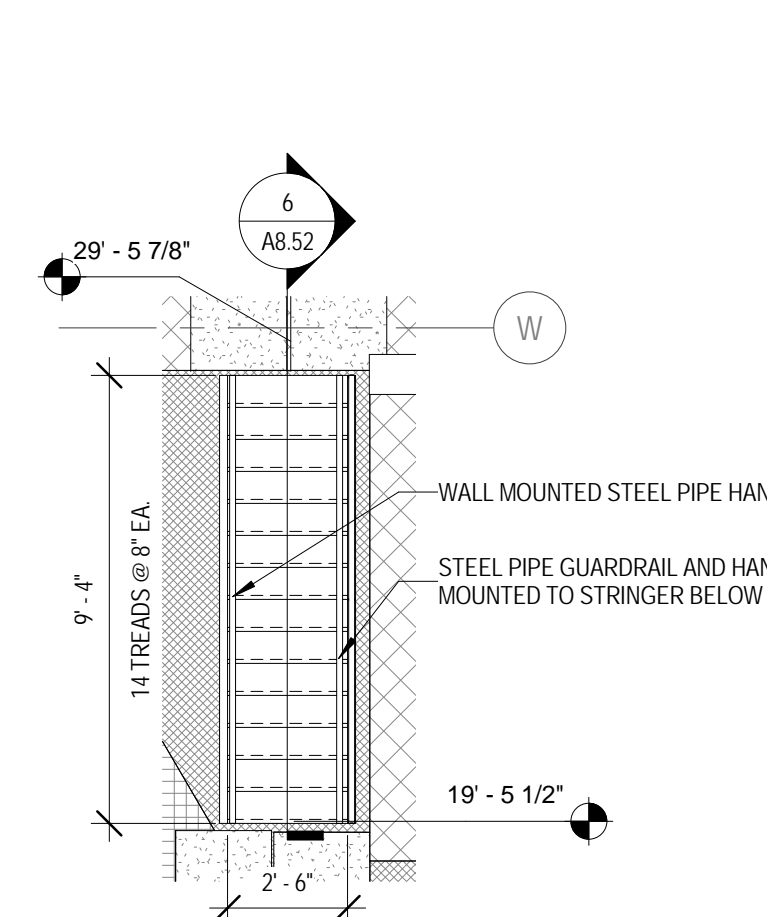
2 NORTH STAIR PLAN - LEVEL 2
 1/4" = 1'-0"



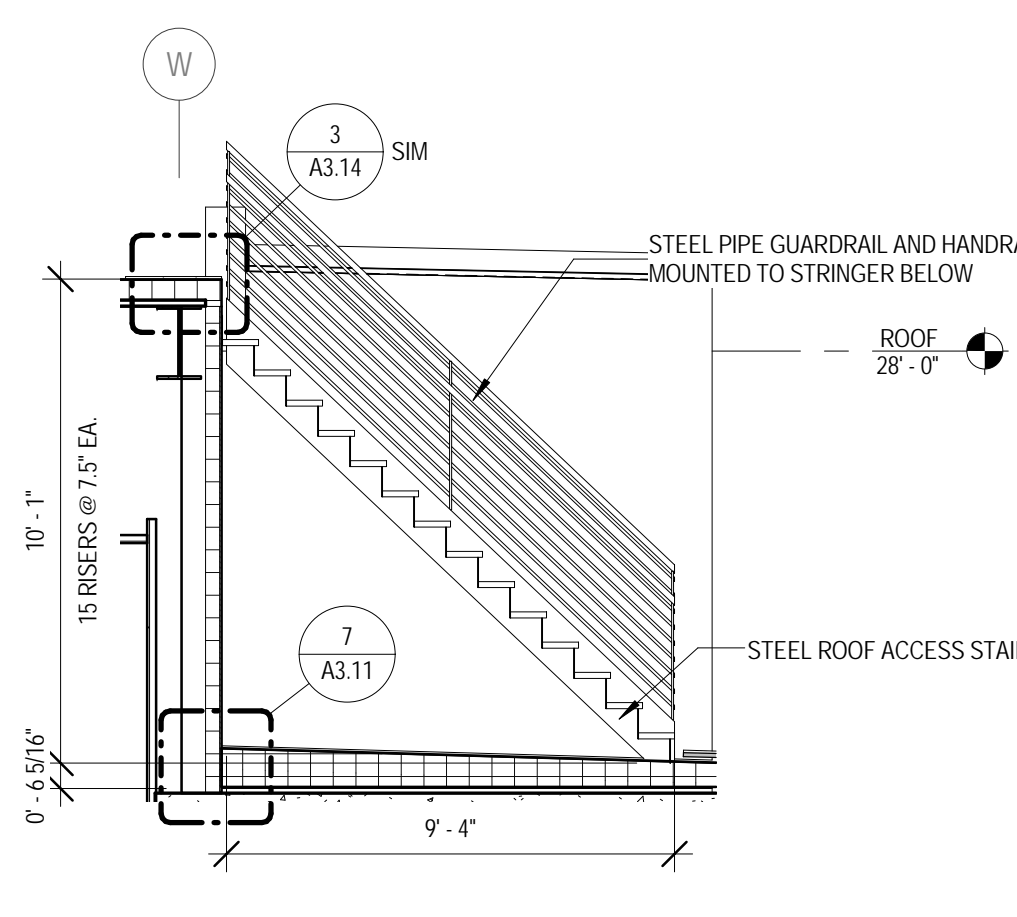
3 NORTH STAIR SECTION - 1
 1/4" = 1'-0"



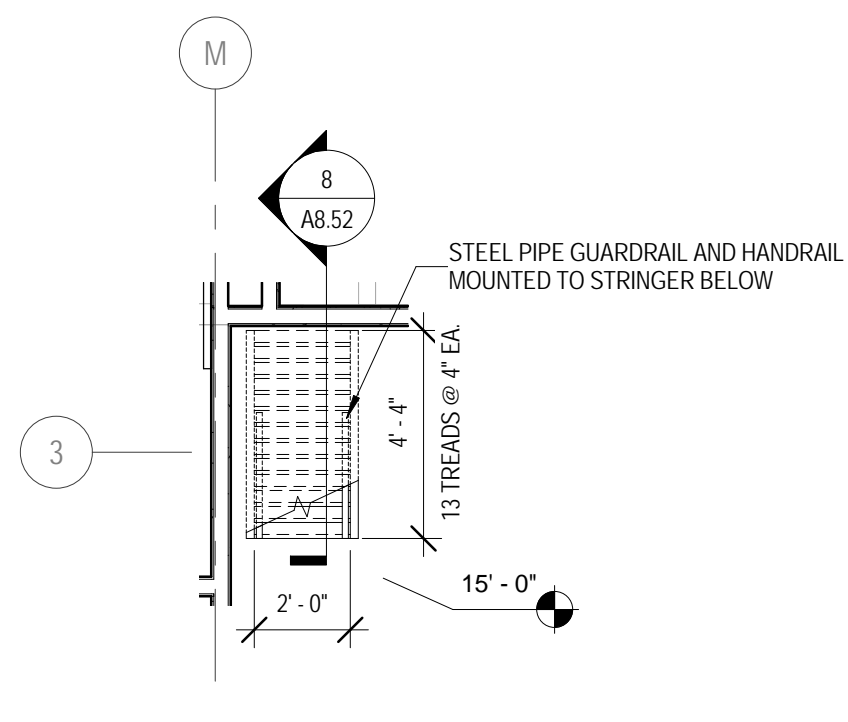
4 TYPICAL TREAD/NOSING DETAIL
 1 1/2" = 1'-0"



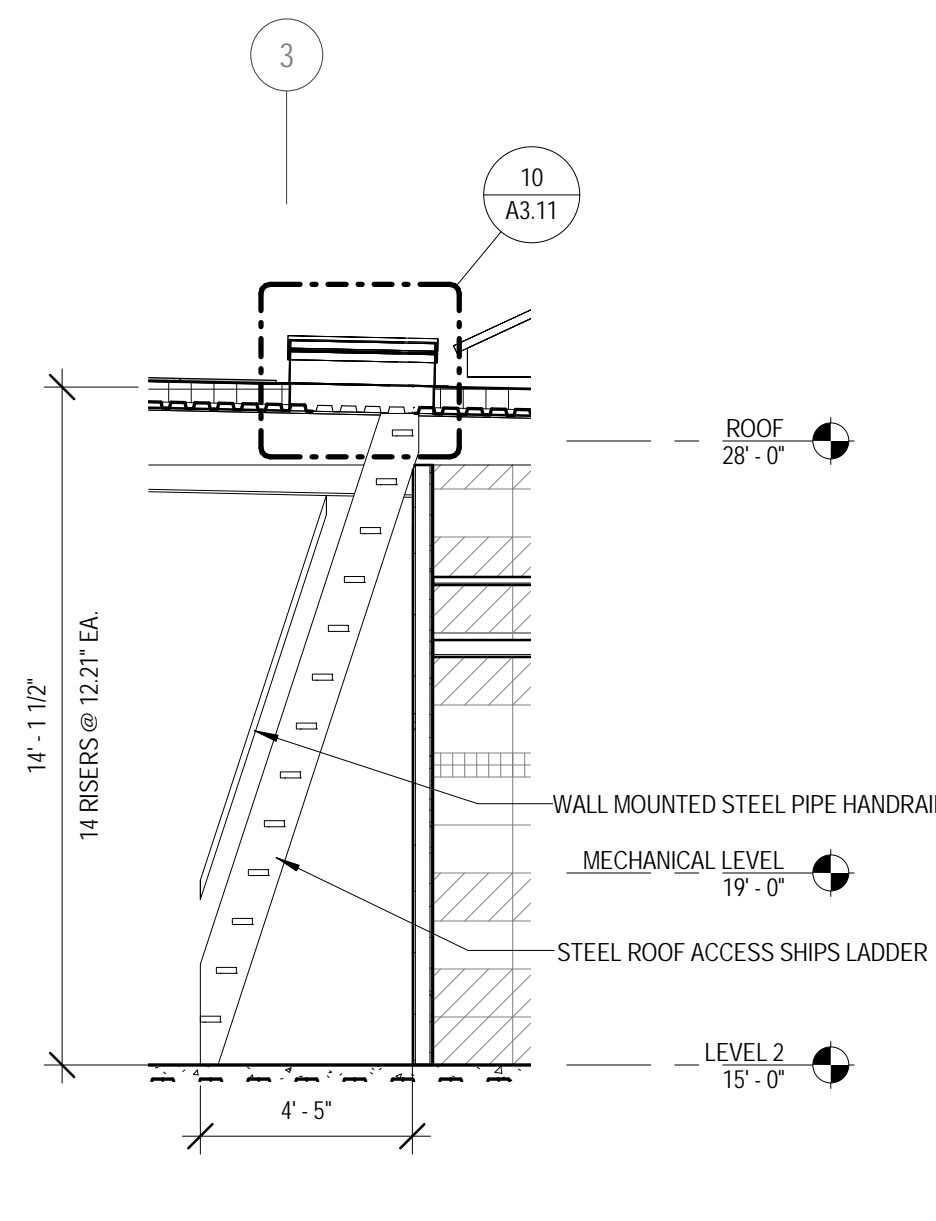
5 MECHANICAL WELL STAIR
 1/4" = 1'-0"



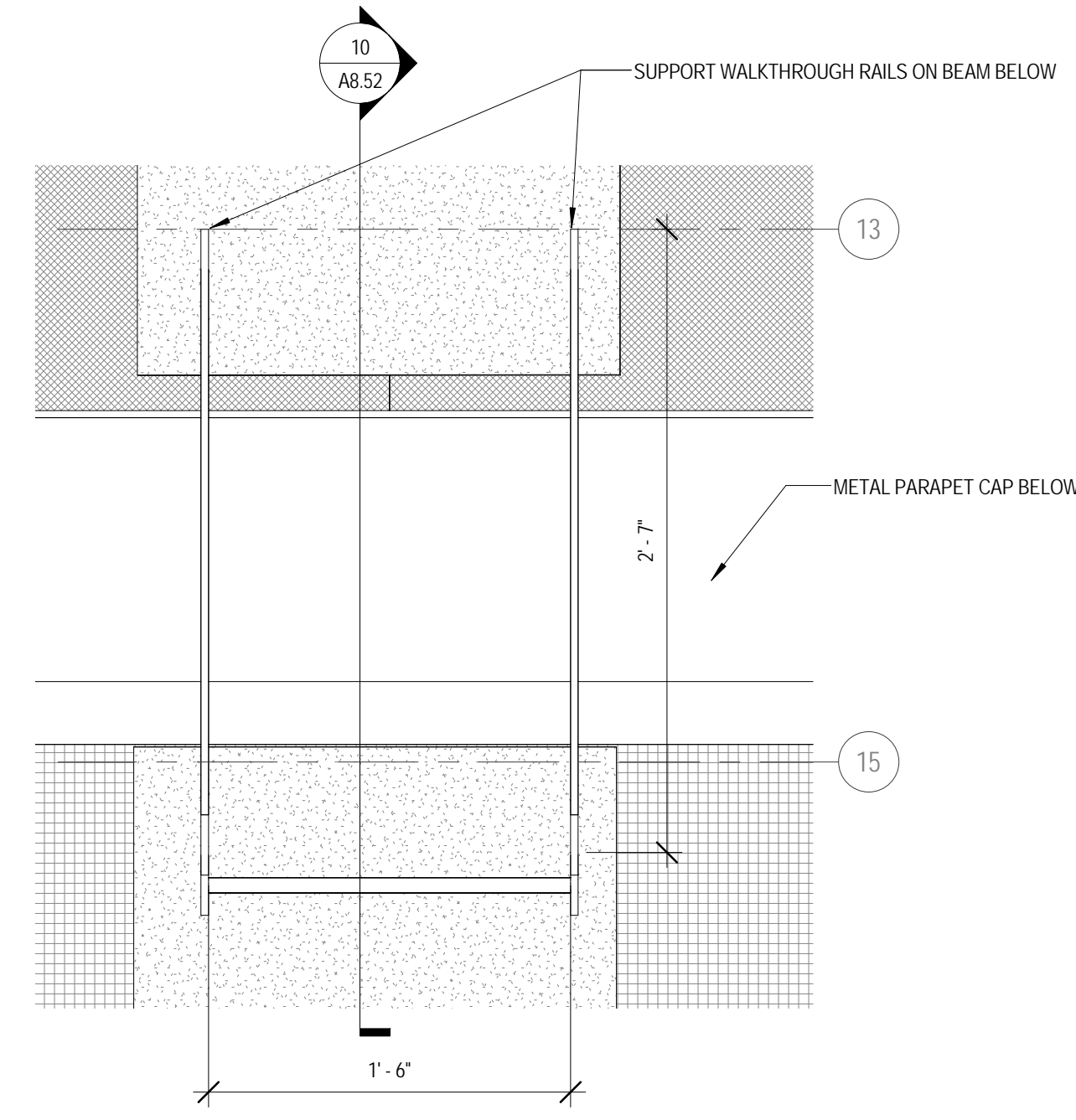
6 MECHANICAL WELL STAIR
 1/4" = 1'-0"



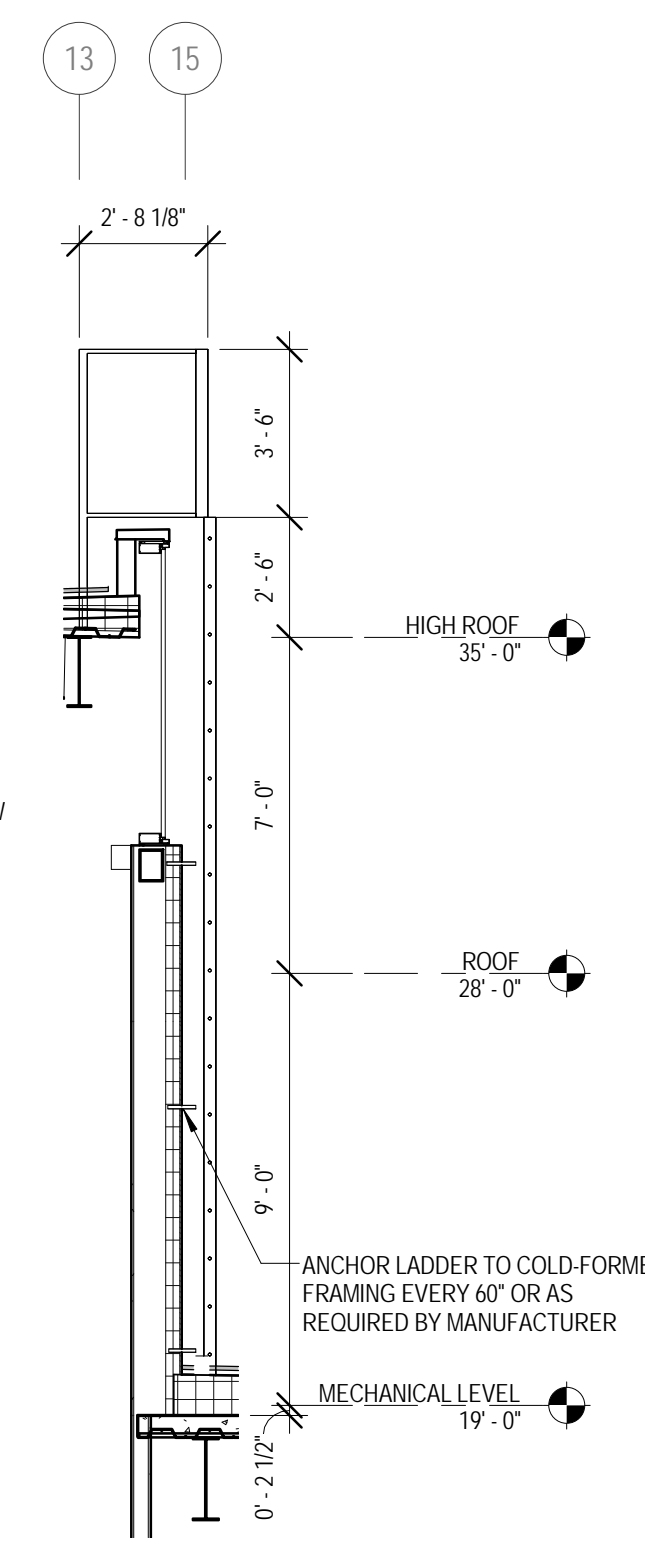
7 ROOF ACCESS SHIPS LADDER
 1/4" = 1'-0"



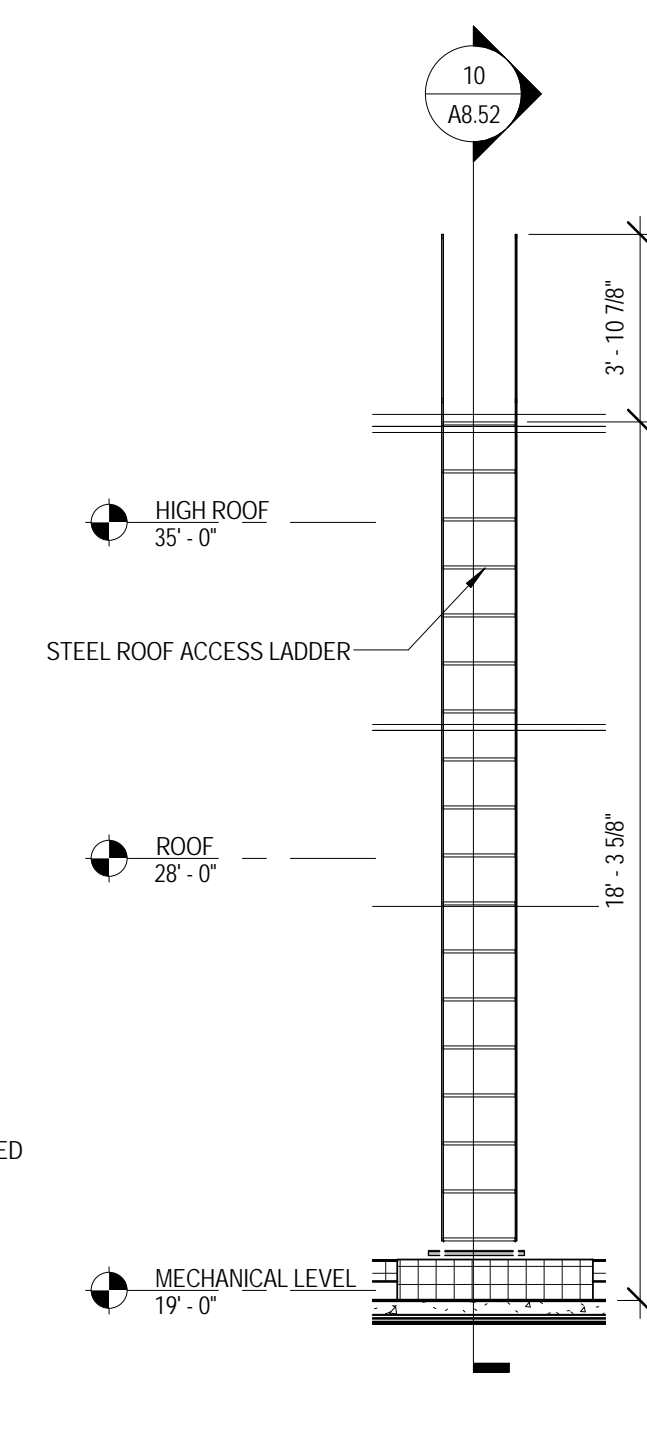
8 ROOF ACCESS SHIPS LADDER
 1/4" = 1'-0"



9 HIGH ROOF ACCESS LADDER
 1 1/2" = 1'-0"



10 HIGH ROOF ACCESS LADDER SECTION
 1/4" = 1'-0"



11 HIGH ROOF ACCESS LADDER ELEVATION
 1/4" = 1'-0"



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JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

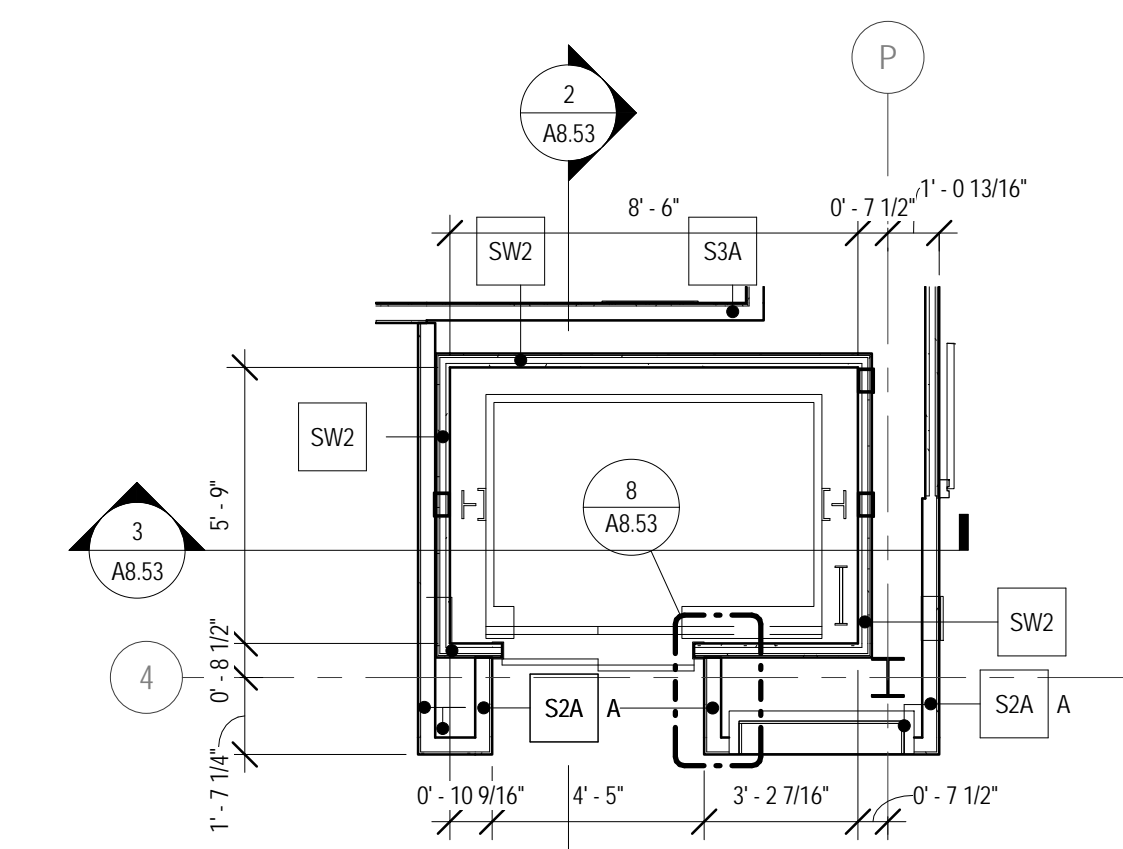
SHEET TITLE:

ENLARGED STAIR AND ELEVATOR PLANS, SECTIONS, AND DETAILS

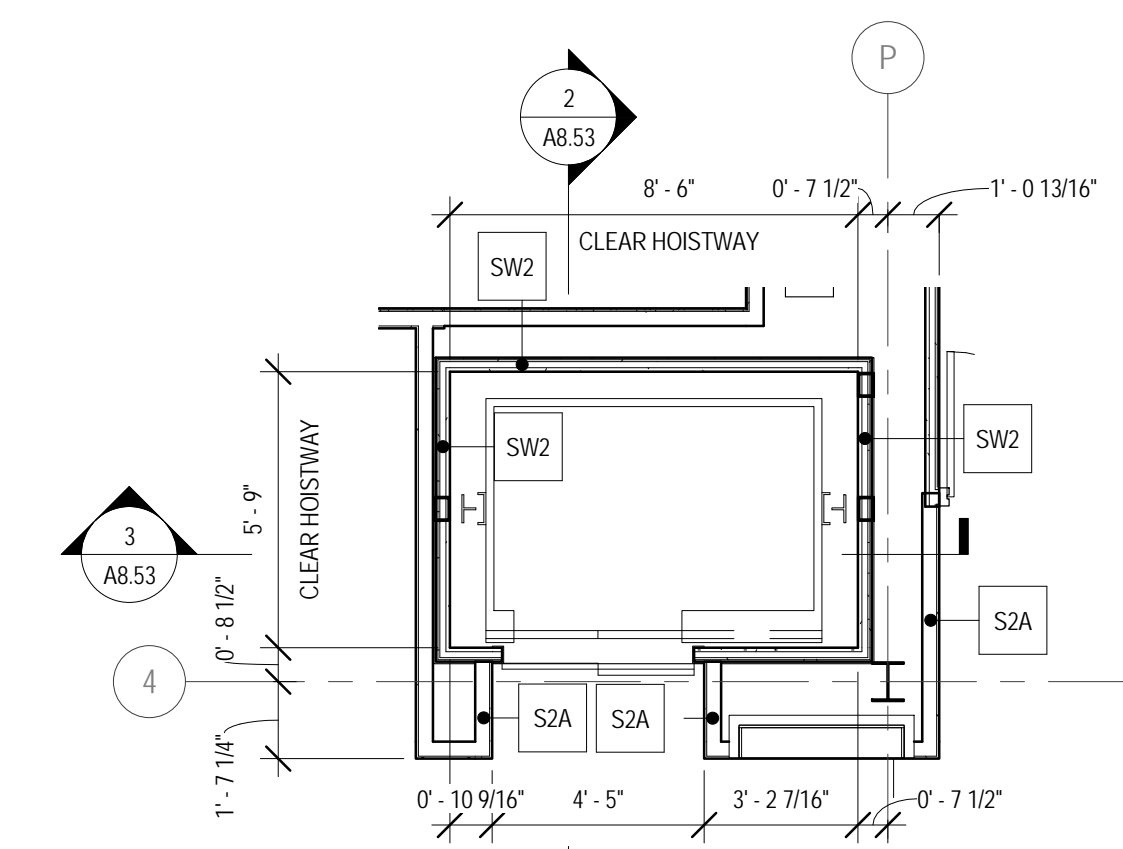
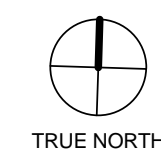
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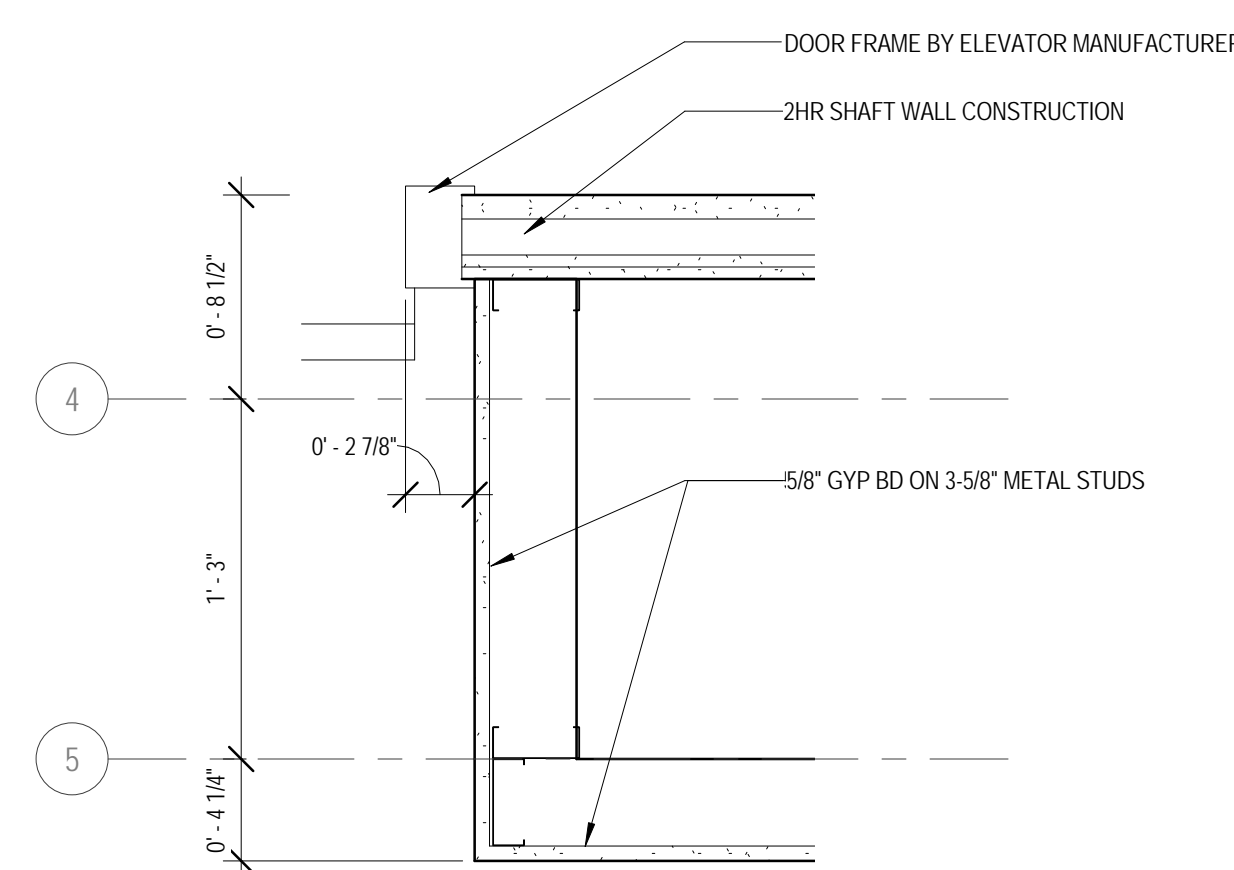
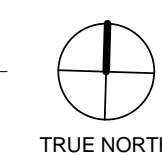
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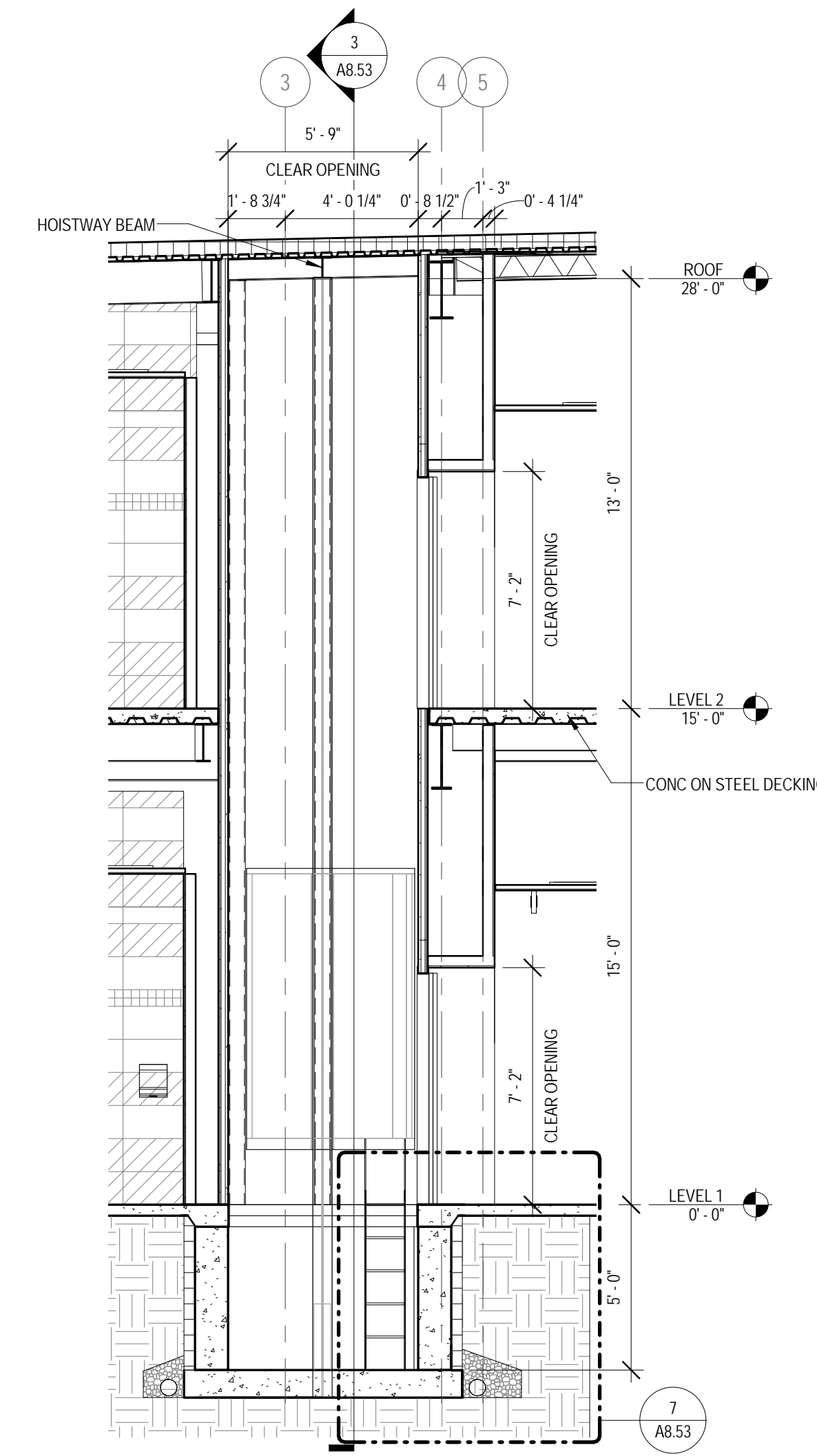
1 ENLARGED ELEVATOR PLAN - LEVEL 1
 1/4" = 1'-0"



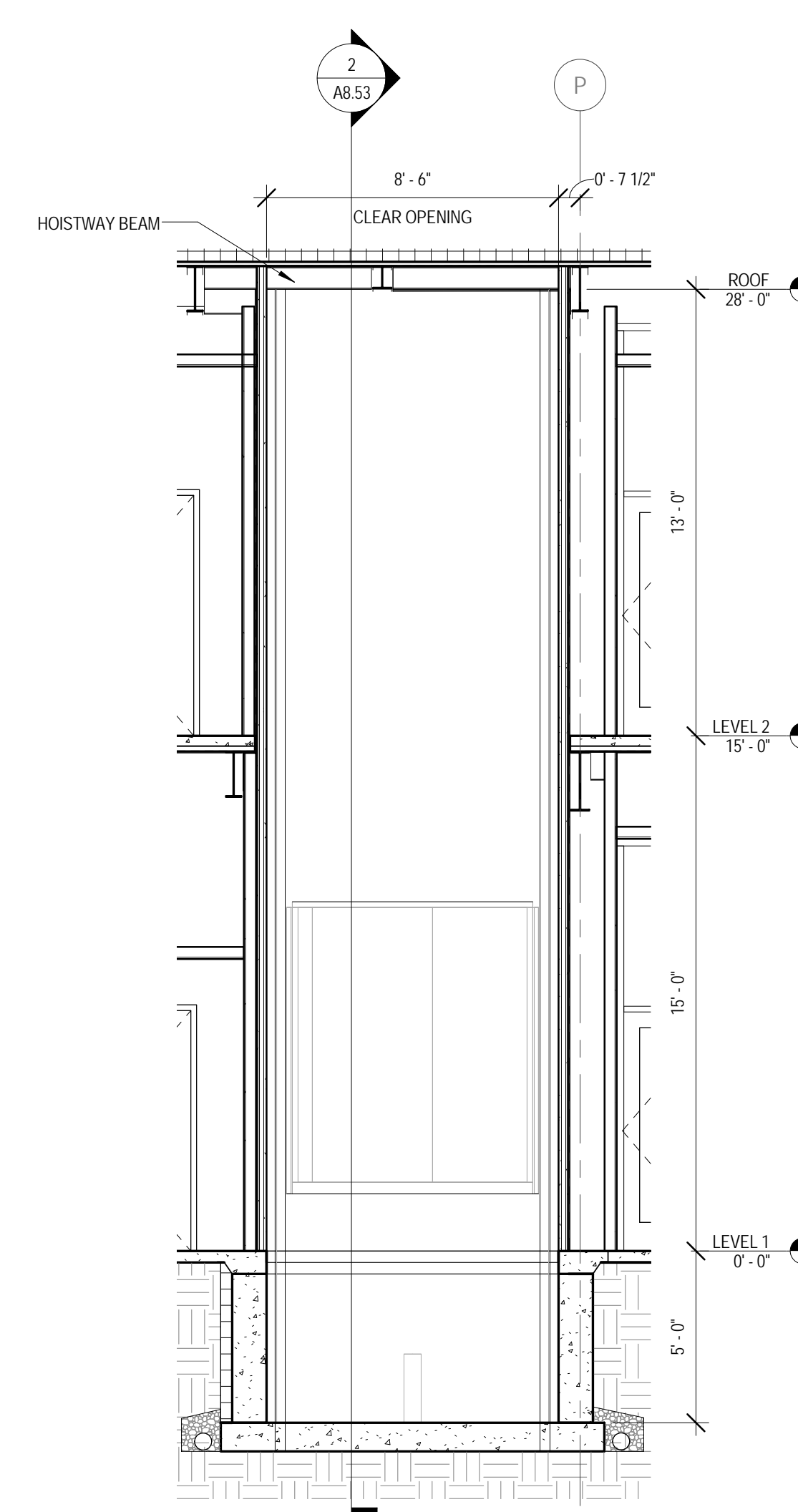
6 ENLARGED ELEVATOR PLAN - LEVEL 2
 1/4" = 1'-0"



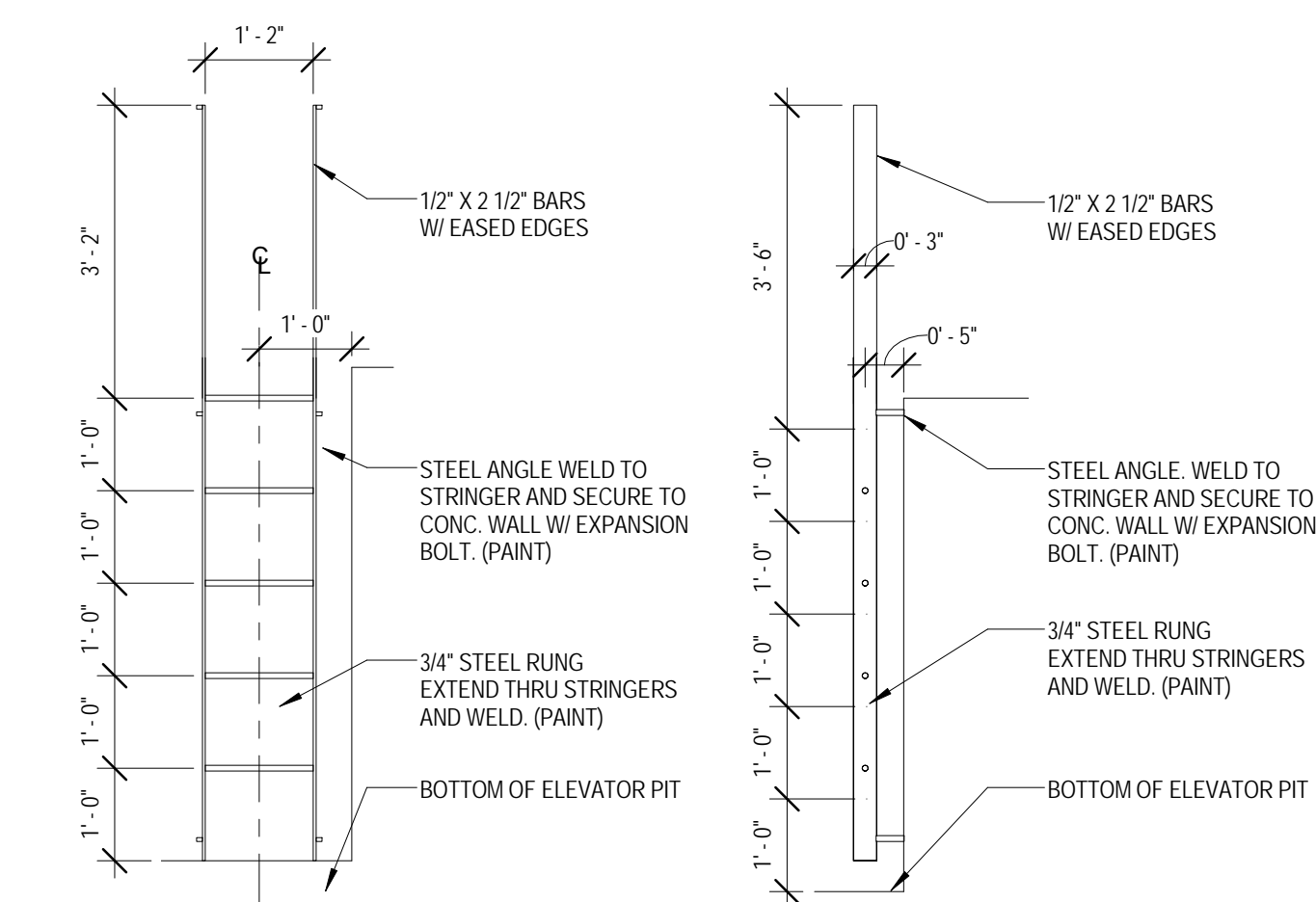
8 PLAN DETAIL - ELEVATOR ENTRY
 1 1/2" = 1'-0"



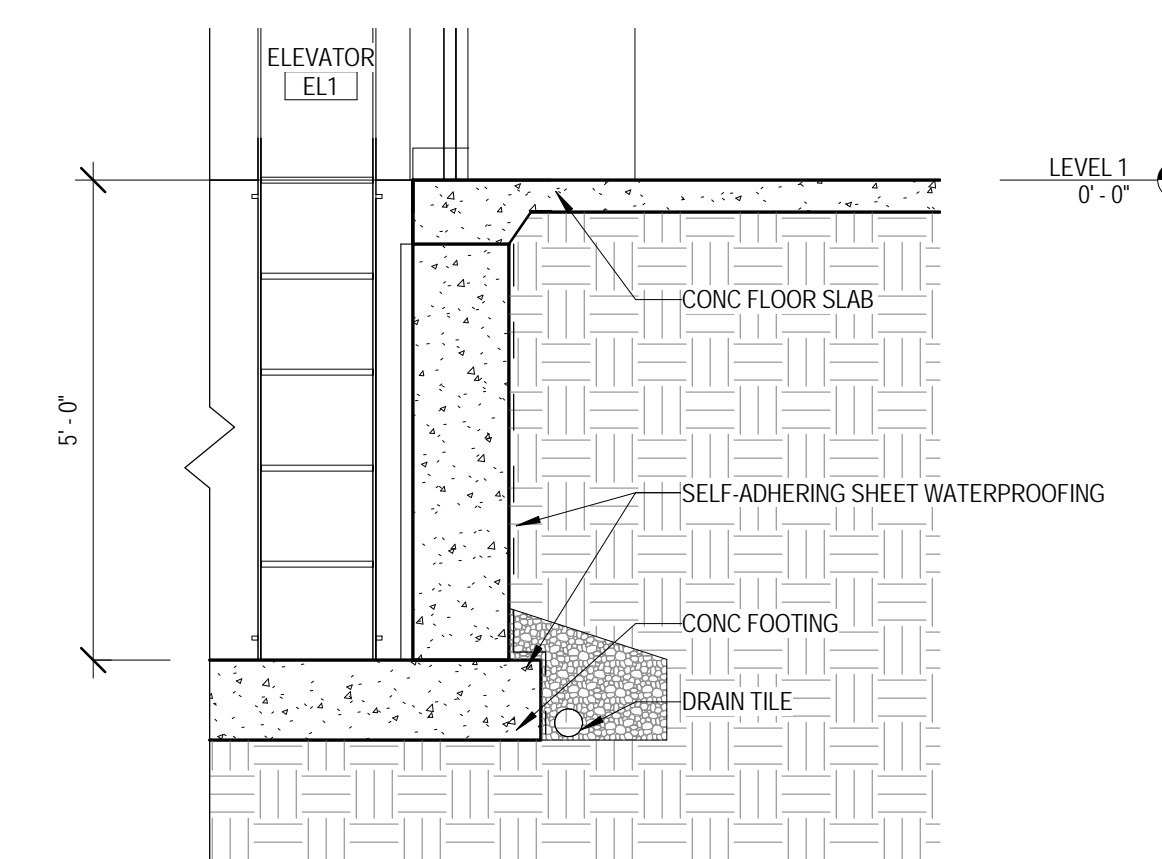
2 ELEVATOR SECTION A
 1/4" = 1'-0"



3 ELEVATOR SECTION B
 1/4" = 1'-0"



4 ELEVATOR PIT ACCESS LADDER
 1/2" = 1'-0"



7 SECTION DETAIL - ELEVATOR FOUNDATION WALL
 1/2" = 1'-0"

KEY PLAN:

SHEET STATUS: 9/21/15

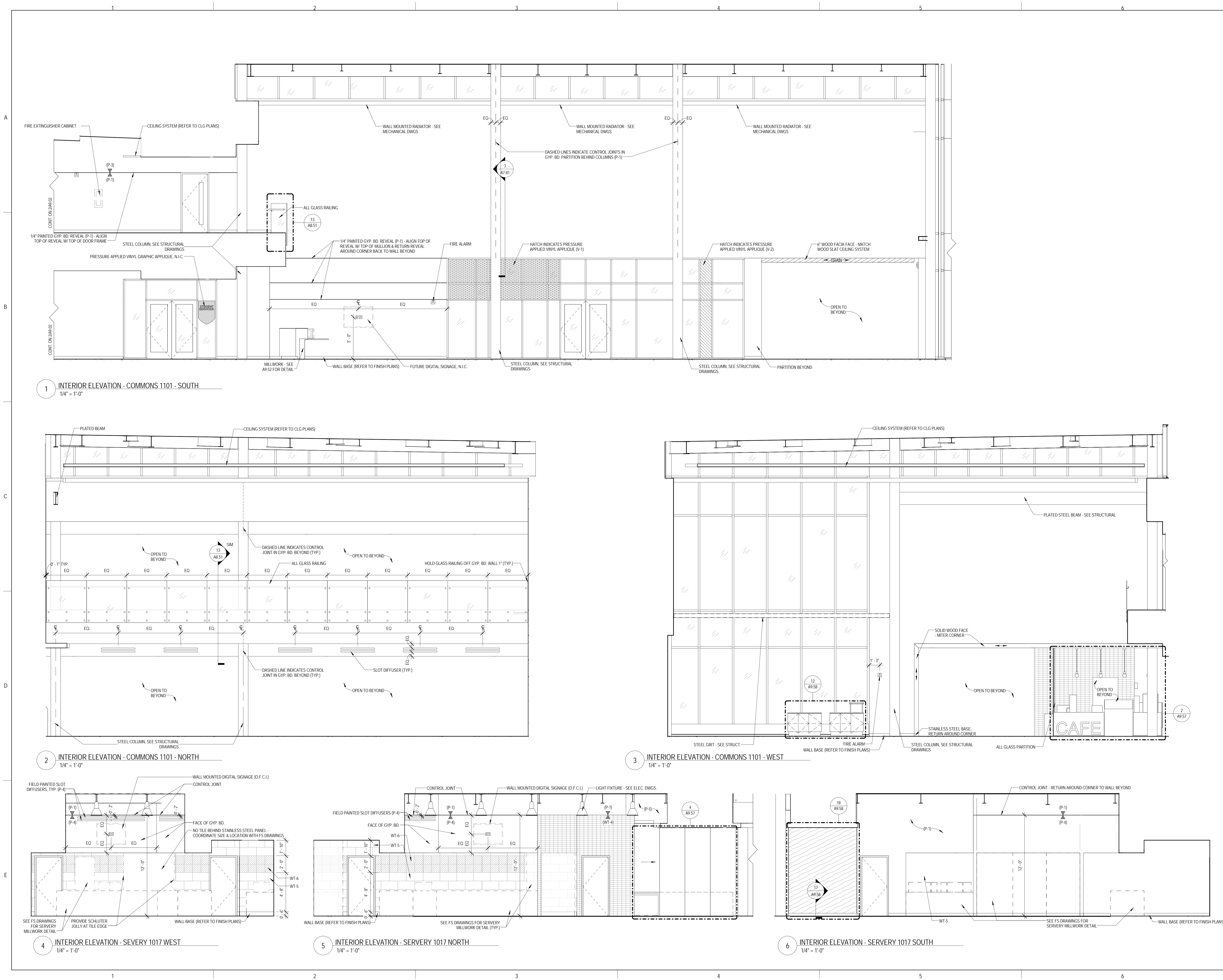
ISSUED FOR CONSTRUCTION

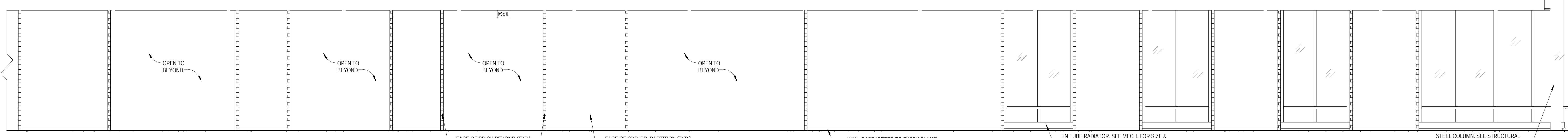
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
INTERIOR ELEVATIONS

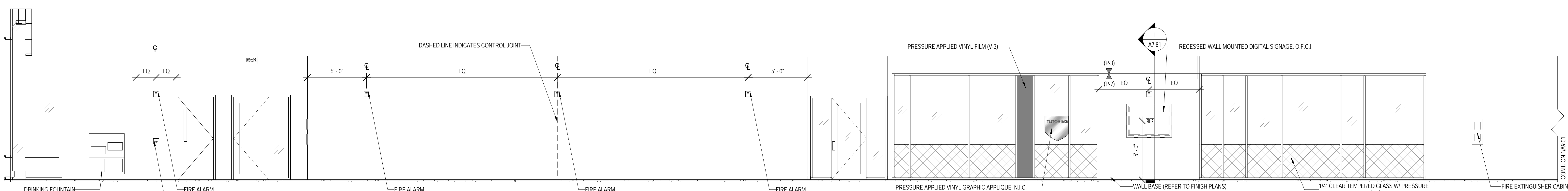
SHEET NUMBER:

A9.01

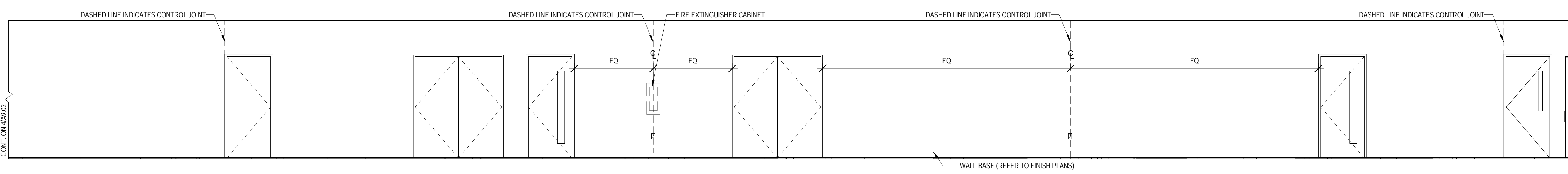




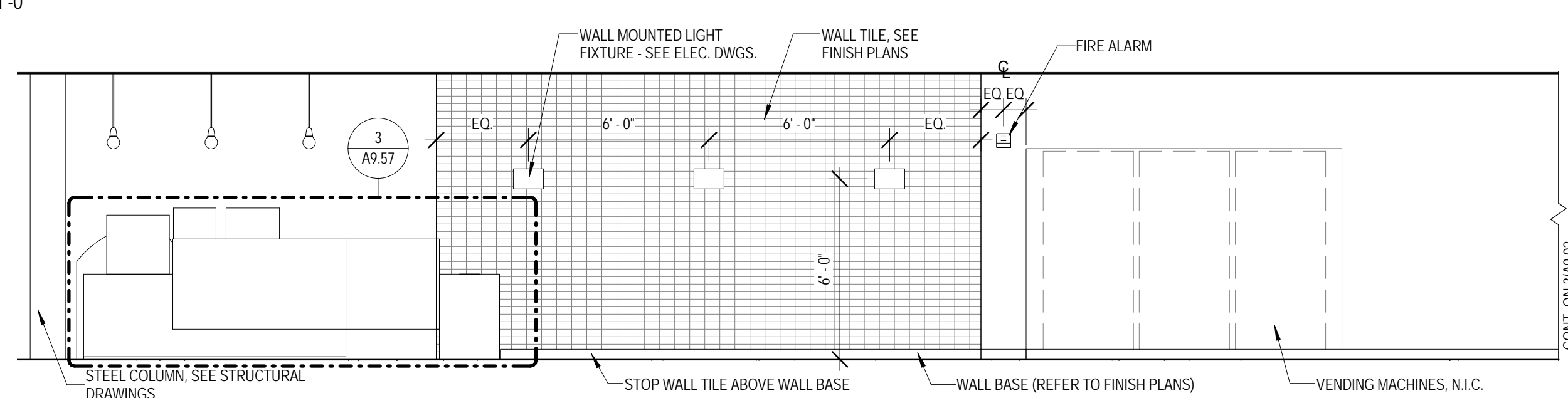
1 INTERIOR ELEVATION - EAST WING - 1ST FLOOR NORTH ELEVATION
 1/4" = 1'-0"



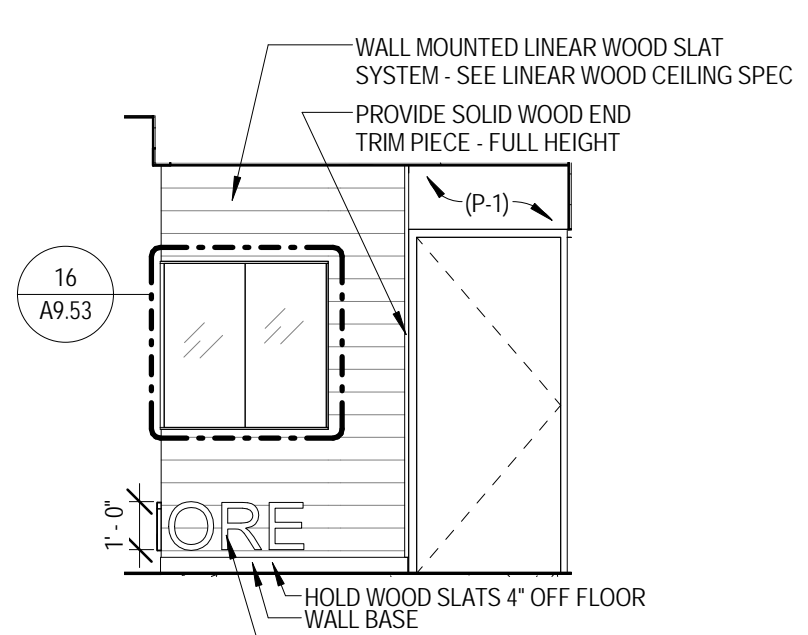
2 INTERIOR ELEVATION - EAST WING - 1ST FLOOR SOUTH ELEVATION
 1/4" = 1'-0"



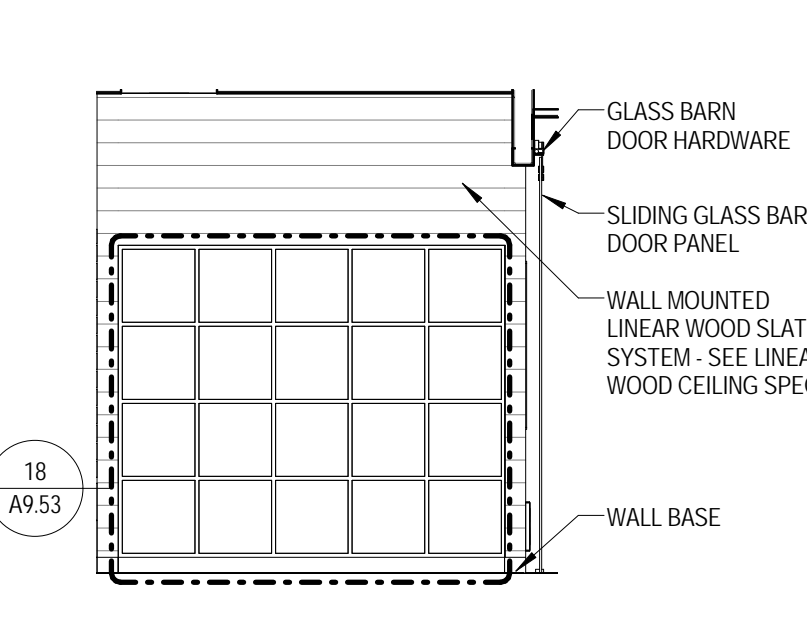
3 INTERIOR ELEVATION - WEST WING - 1ST FLOOR SOUTH ELEVATION A
 1/4" = 1'-0"



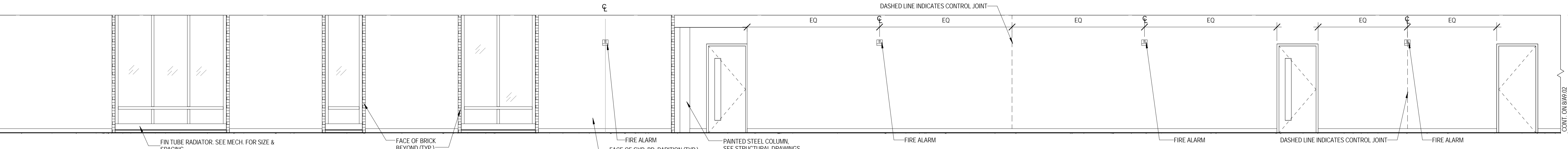
4 INTERIOR ELEVATION - WEST WING - 1ST FLOOR SOUTH ELEVATION B
 1/4" = 1'-0"



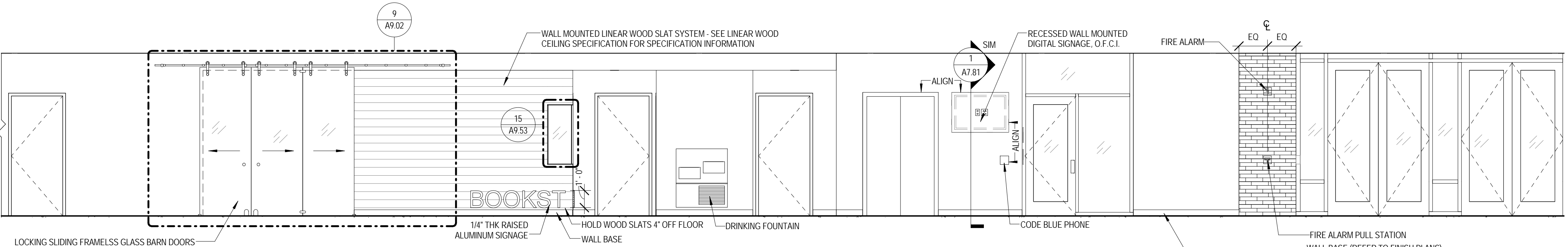
5 INTERIOR ELEVATION - WEST WING - 1ST FLOOR WEST ELEVATION
 1/4" = 1'-0"



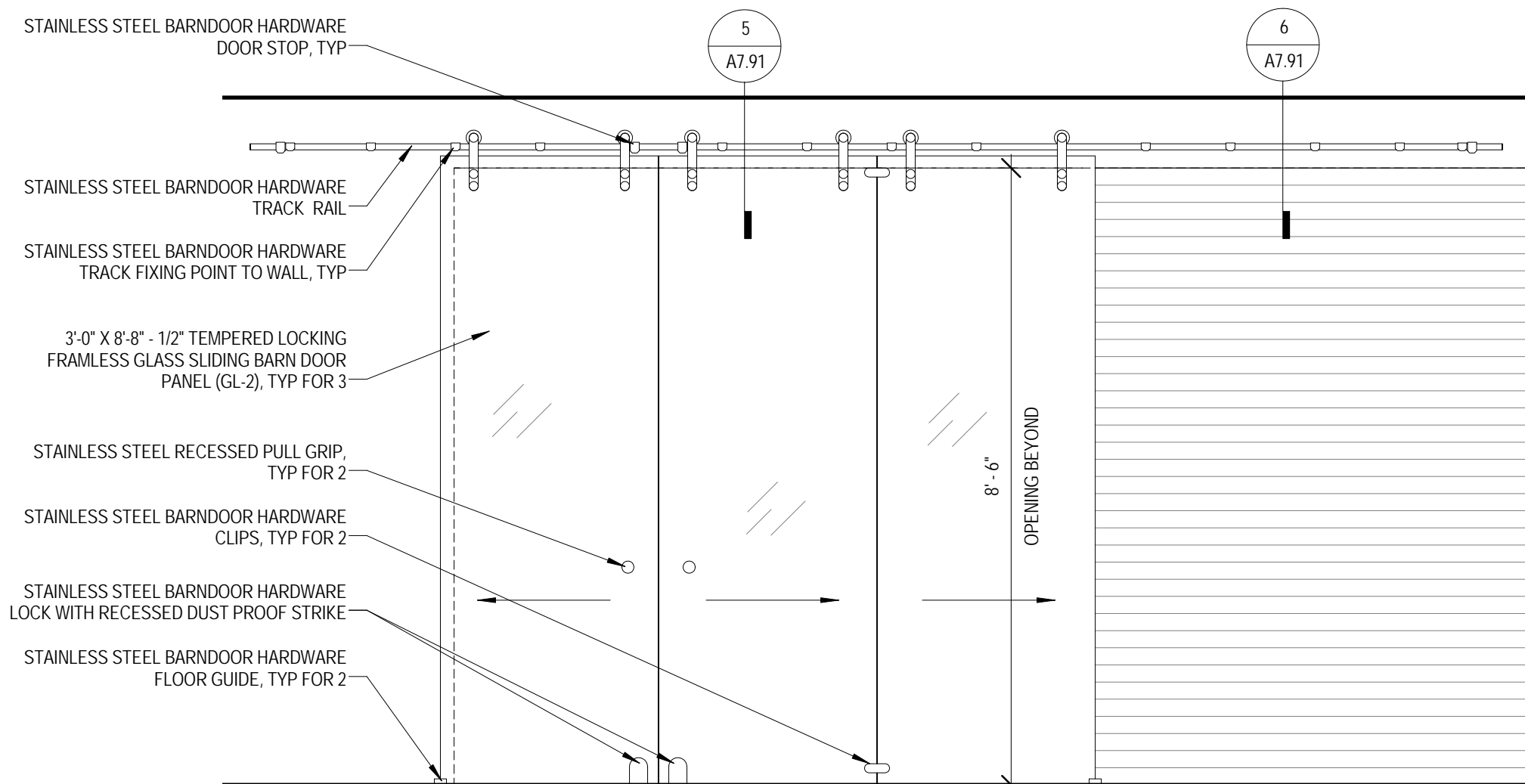
6 INTERIOR ELEVATION - BOOKSTORE 1000 EAST
 1/4" = 1'-0"



7 INTERIOR ELEVATION - WEST WING - 1ST FLOOR NORTH ELEVATION A
 1/4" = 1'-0"



8 INTERIOR ELEVATION - WEST WING - 1ST FLOOR NORTH ELEVATION B
 1/4" = 1'-0"



9 INTERIOR ELEVATION - ENLARGED BOOKSTORE ENTRY
 1/2" = 1'-0"

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:
1		

SHEET TITLE:
INTERIOR ELEVATIONS

SHEET NUMBER:

A9.02



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DEMIONA KEMPER ARCHITECTS
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JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

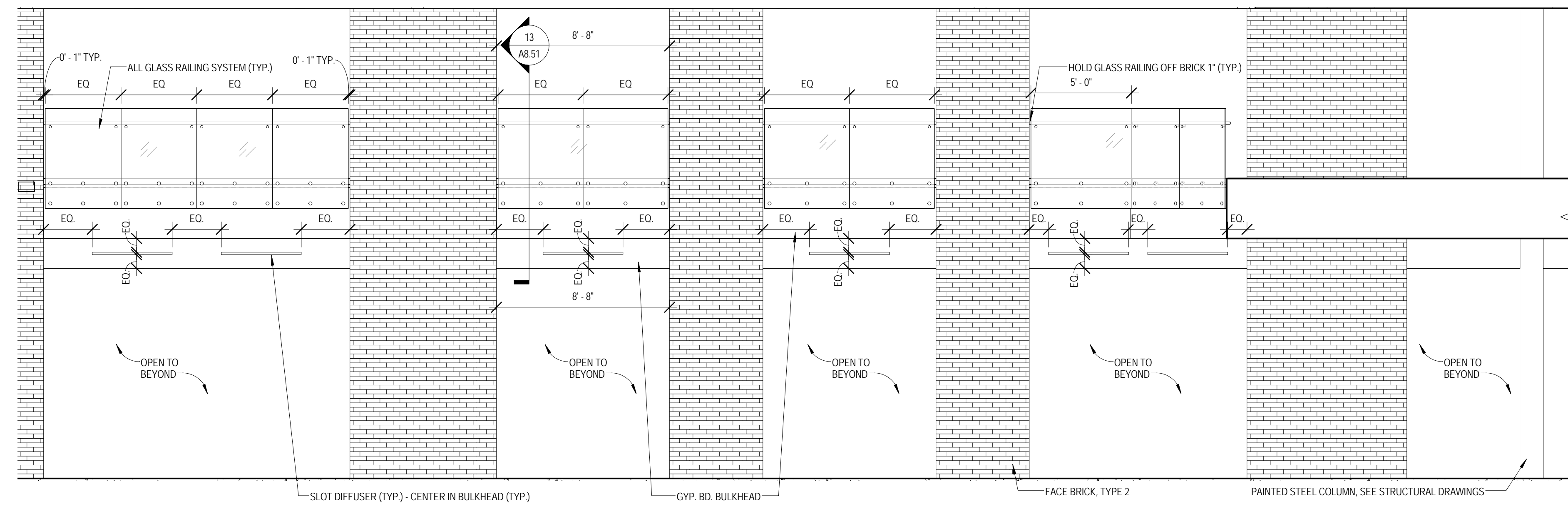
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SHEET TITLE:
INTERIOR ELEVATIONS

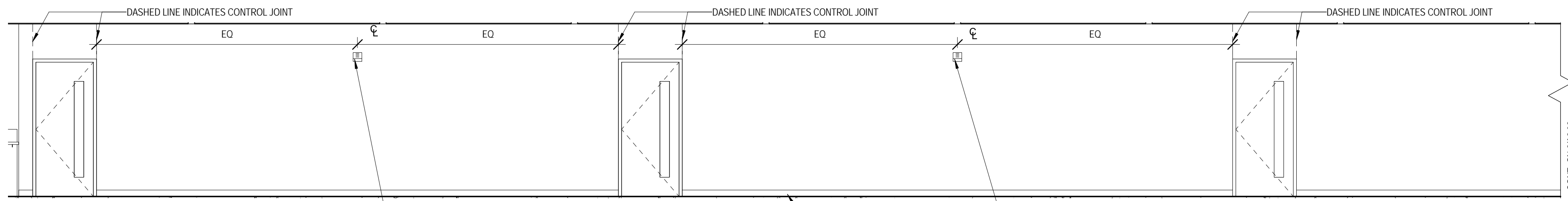
SHEET NUMBER:

A9.03

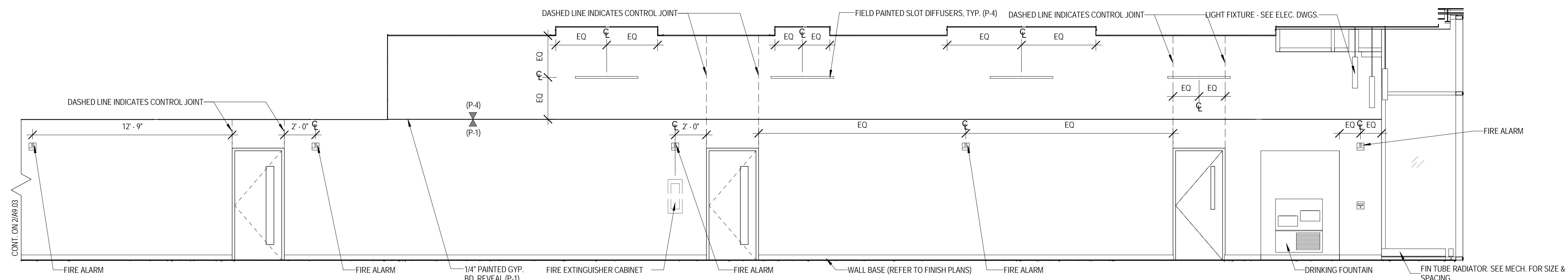
9/18/2015 9:37:15 AM



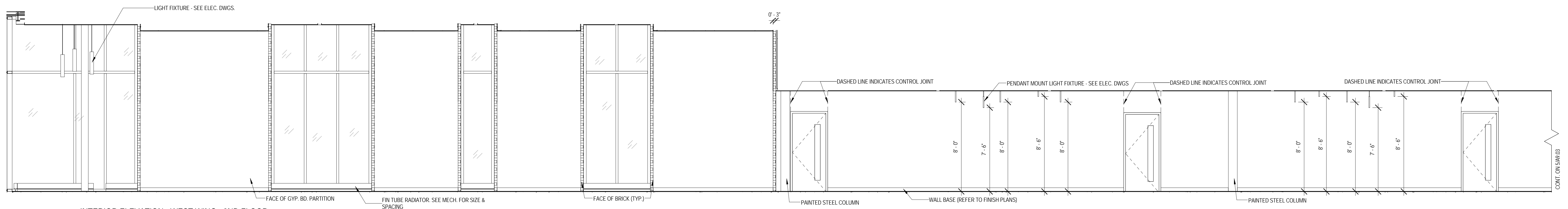
1 INTERIOR ELEVATION - EAST WING - SOUTH ELEVATION
 1/4" = 1'-0"



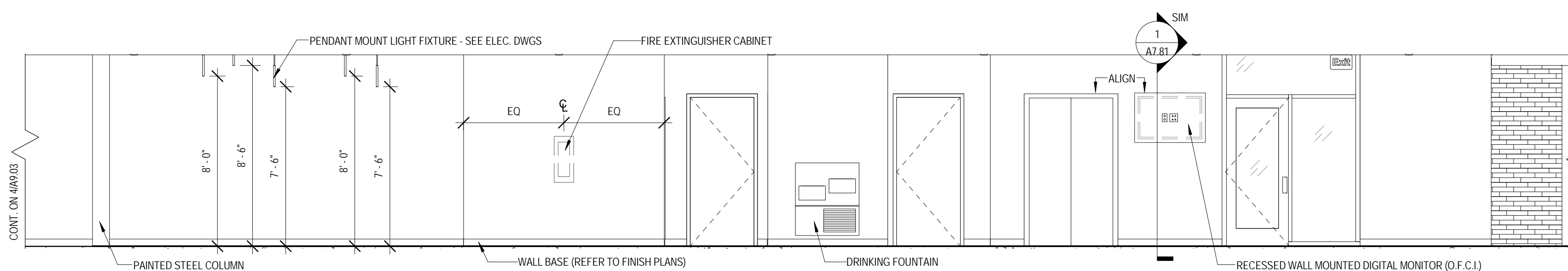
2 INTERIOR ELEVATION - WEST WING - 2ND FLOOR
 SOUTH ELEVATION B
 1/4" = 1'-0"



3 INTERIOR ELEVATION - WEST WING - 2ND FLOOR
 SOUTH ELEVATION A
 1/4" = 1'-0"



4 INTERIOR ELEVATION - WEST WING - 2ND FLOOR
 NORTH ELEVATION A
 1/4" = 1'-0"



5 INTERIOR ELEVATION - WEST WING - 2ND FLOOR
 NORTH ELEVATION B
 1/4" = 1'-0"



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DEMONICA KEMPER ARCHITECTS
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

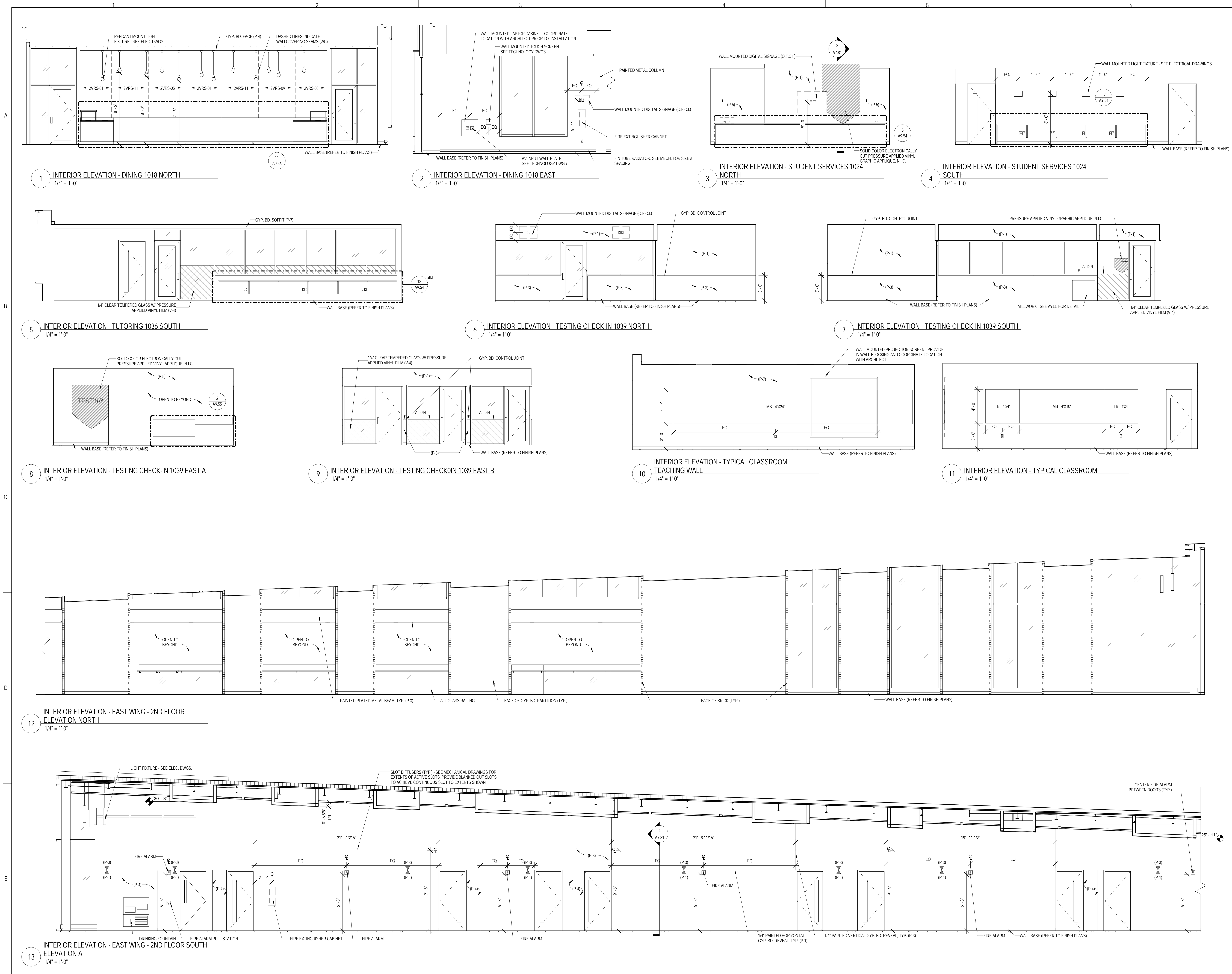
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:
1		

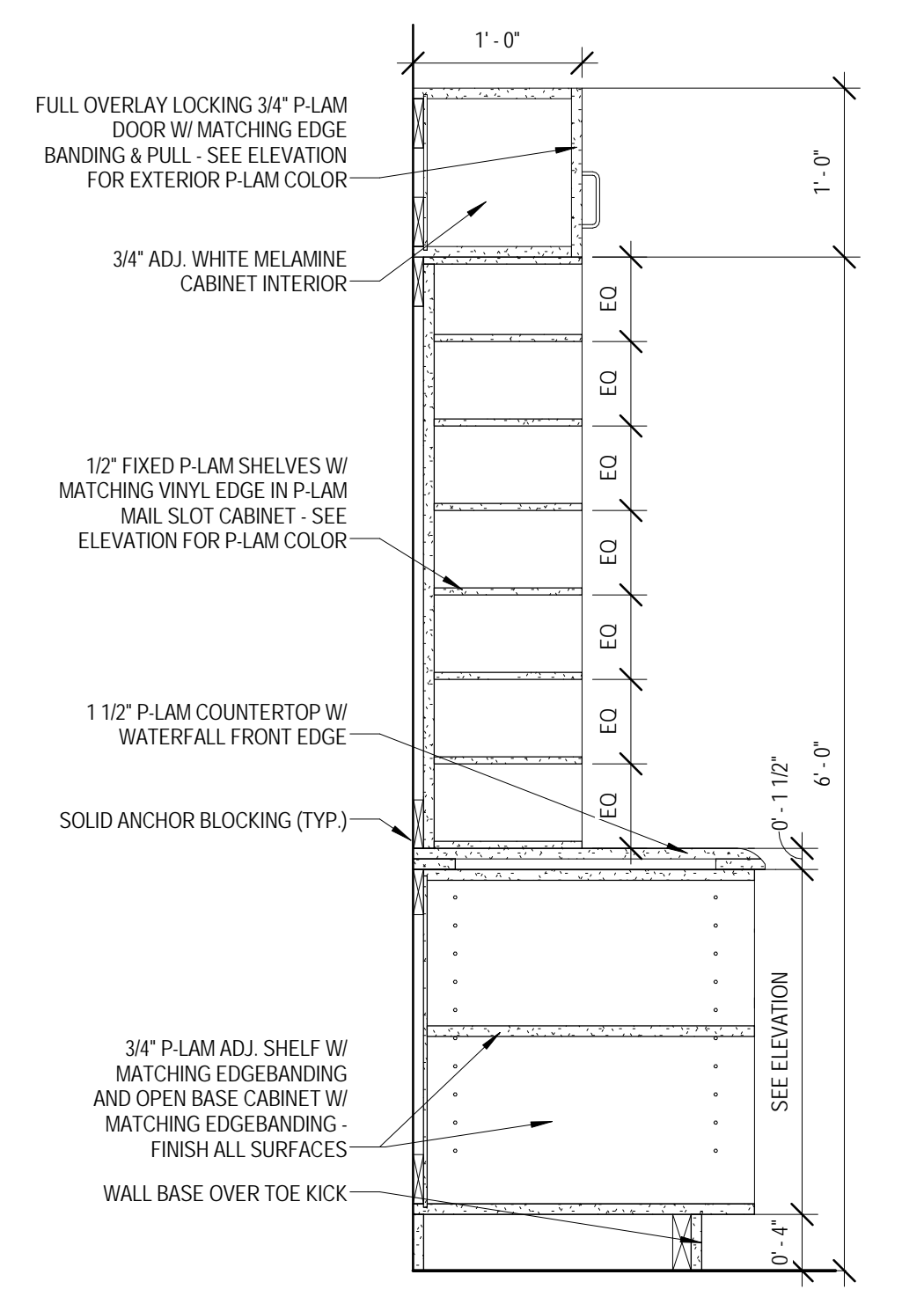
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INTERIOR ELEVATIONS

SHEET NUMBER:
A9.04

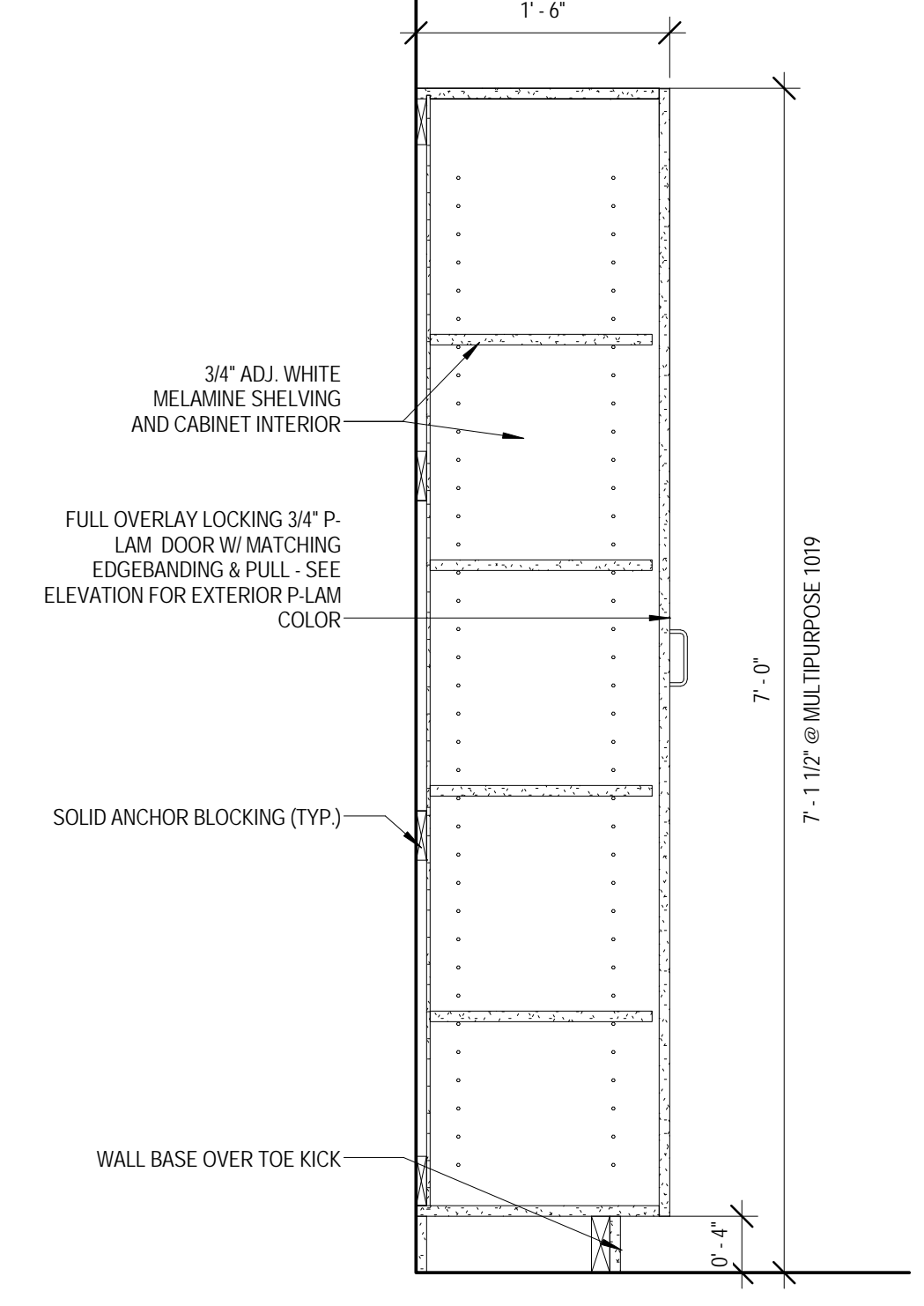
9/18/2015 9:37:25 AM



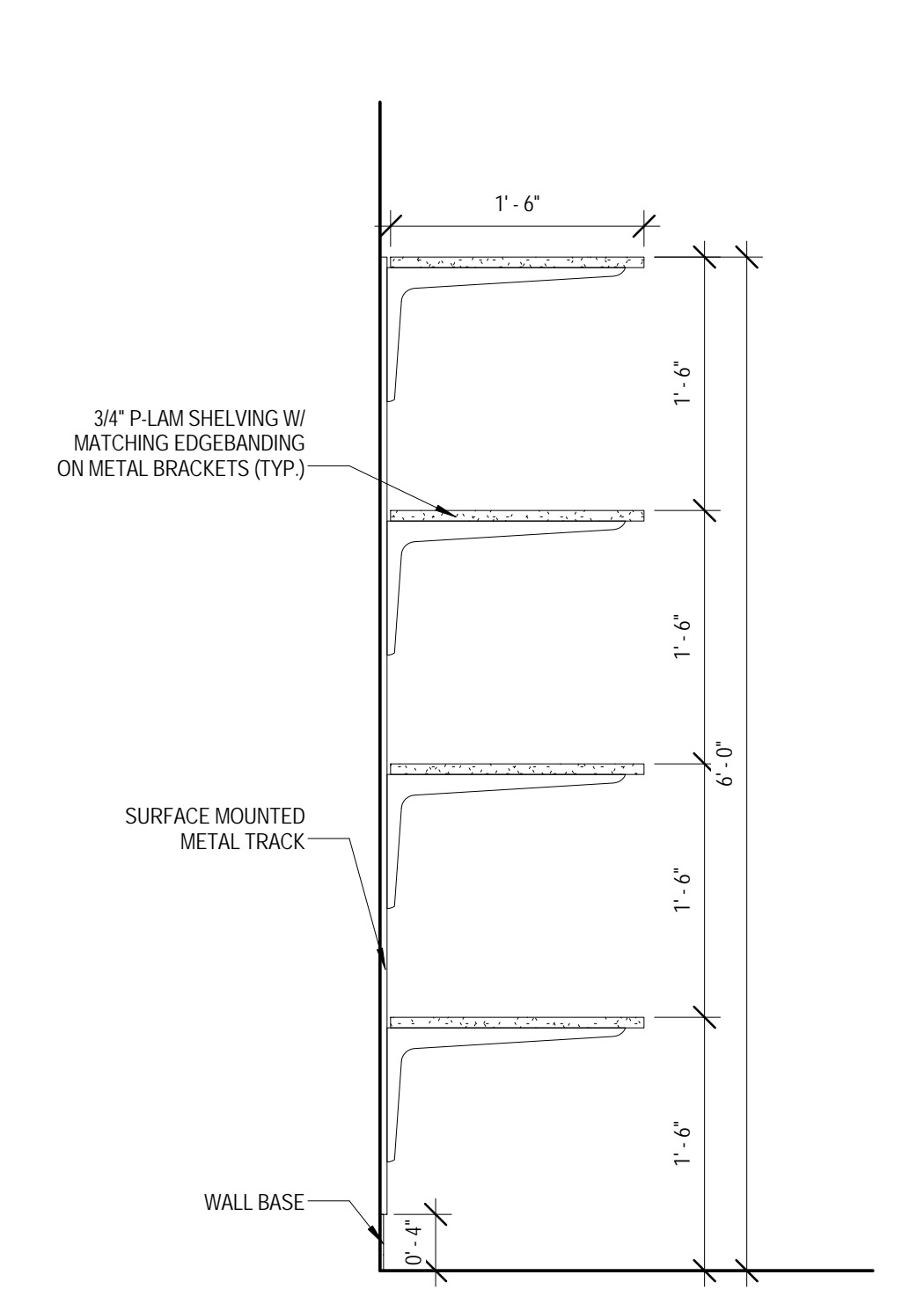
MILLWORK FINISH TYPES:			
TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
ES-1	WHITE ENGINEERED STONE	WILSONART	LYRA 02001
ES-2	CHARCOAL ENGINEERED STONE	ZODIAC	STORM GREY
PL-1	WOOD GRAN LAMINATE	FORMICA	7012-SB AMBER MAPLE
PL-2	GRAY LAMINATE	NEVAMAR	VA6001 CALM DISTINCTION
PL-3	ORANGE LAMINATE	ARBORITE	P-260 CA TATAMI SABI
PL-4	WHITE LAMINATE	FORMICA	459-SB BRTE WHITE
SS-1	WHITE SOLID SURFACE (WINDOW SILLS)	KRON	0302 CLEAR NATURE
SS-2	WHITE SOLID SURFACE	MEGANITE	BRIGHT WHITE 001
SS-3	1" THK PAPERSTONE	PAPERSTONE	SLATE
SS-4	BLACK SOLID SURFACE	MEGANITE	810 RAVEN BOULDER



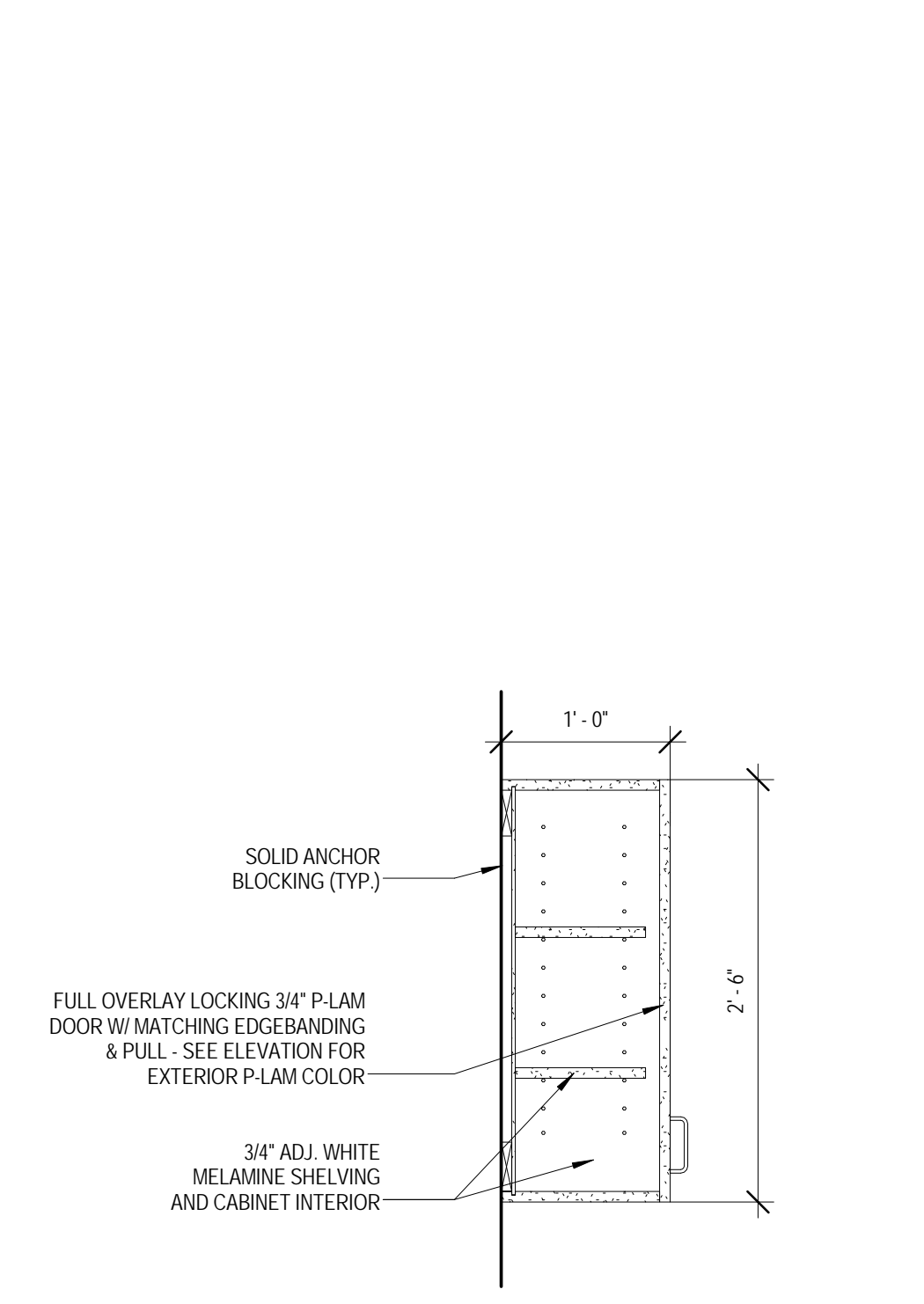
1 MILLWORK DETAIL
1" = 1'-0"



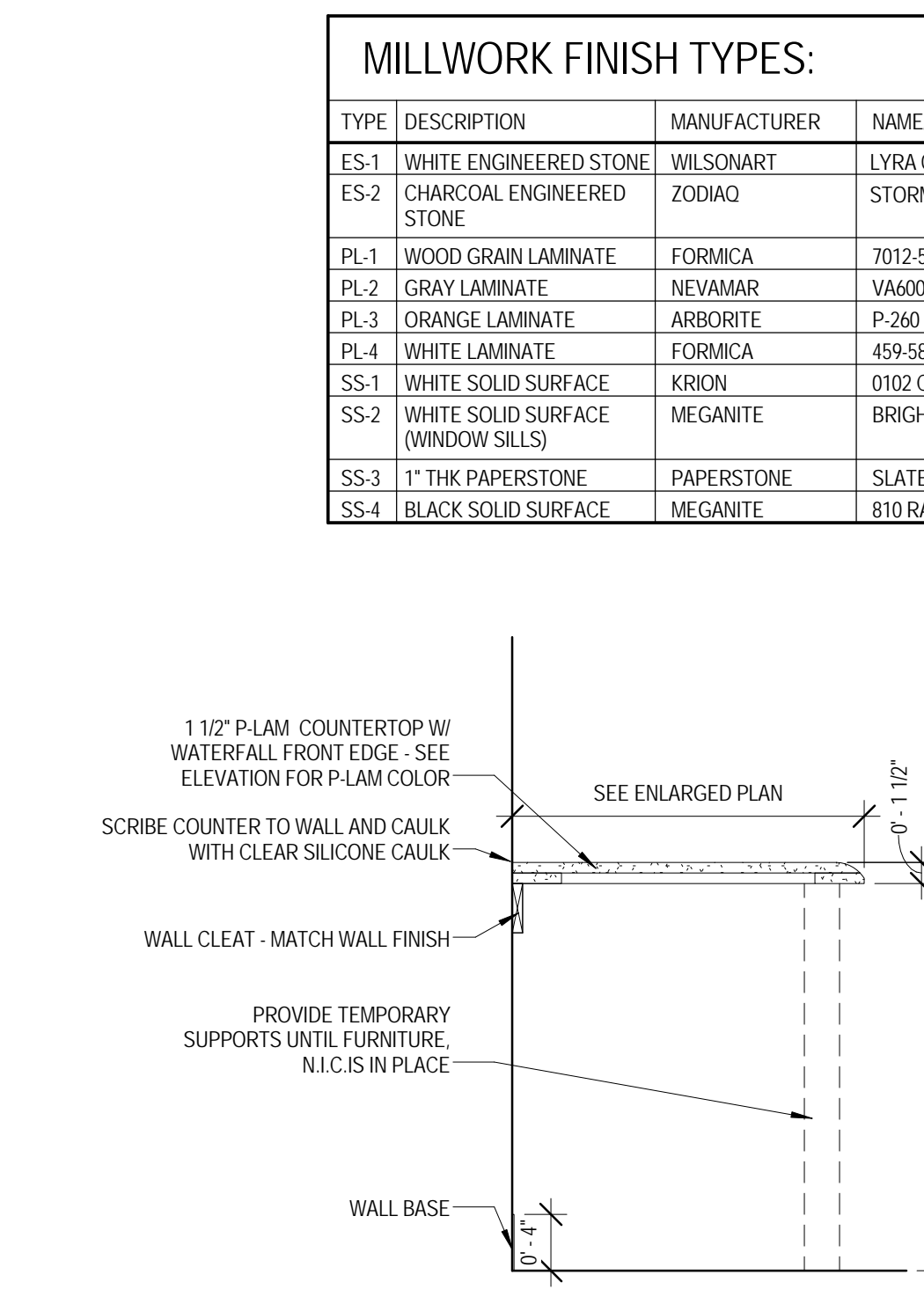
2 MILLWORK DETAIL
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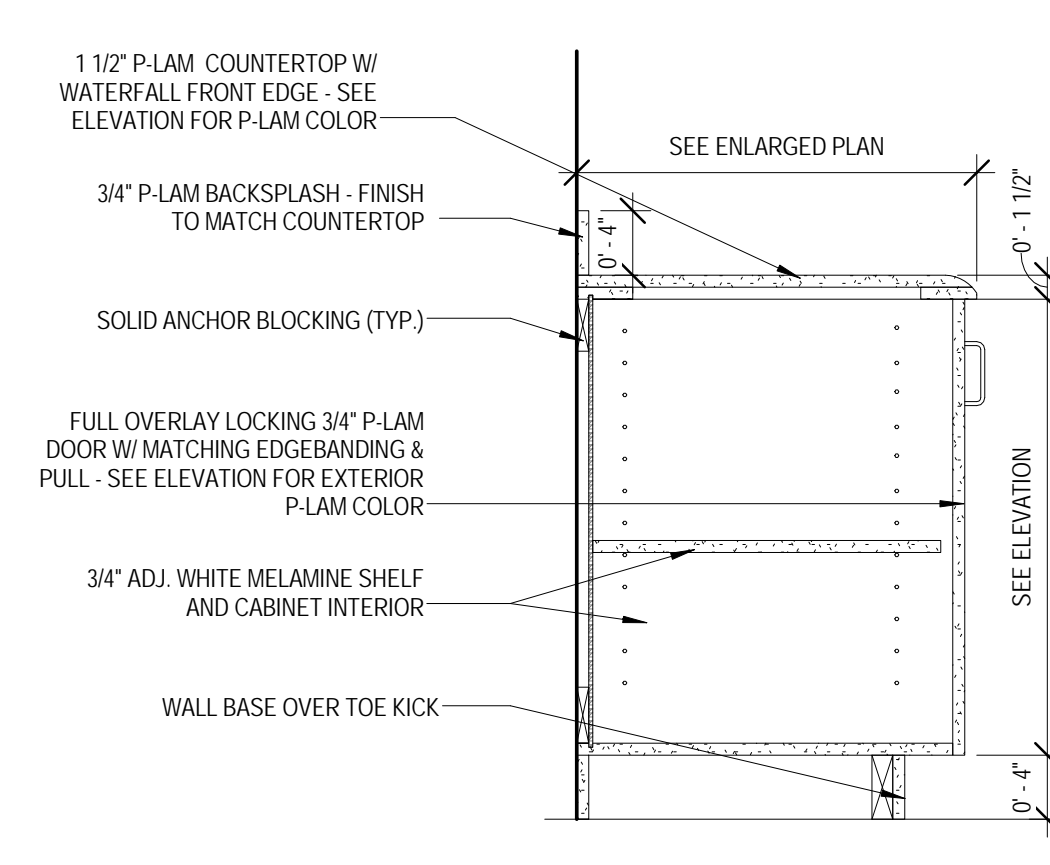
3 MILLWORK DETAIL
1" = 1'-0"



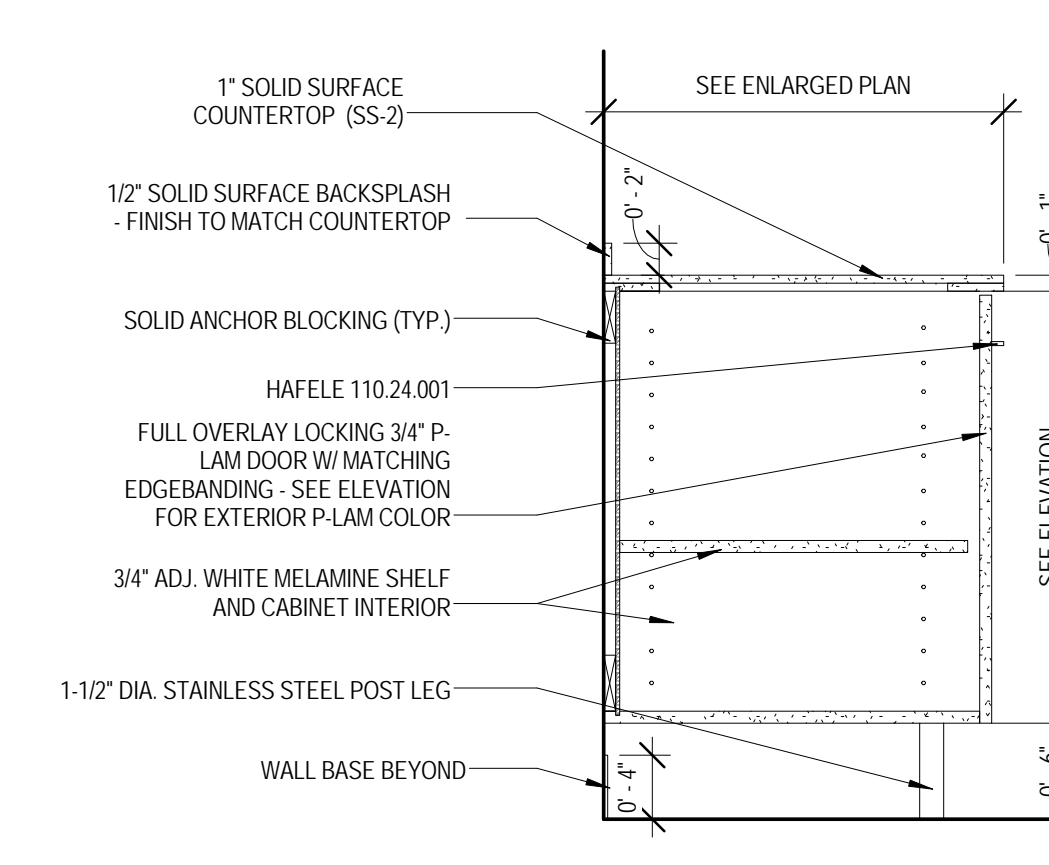
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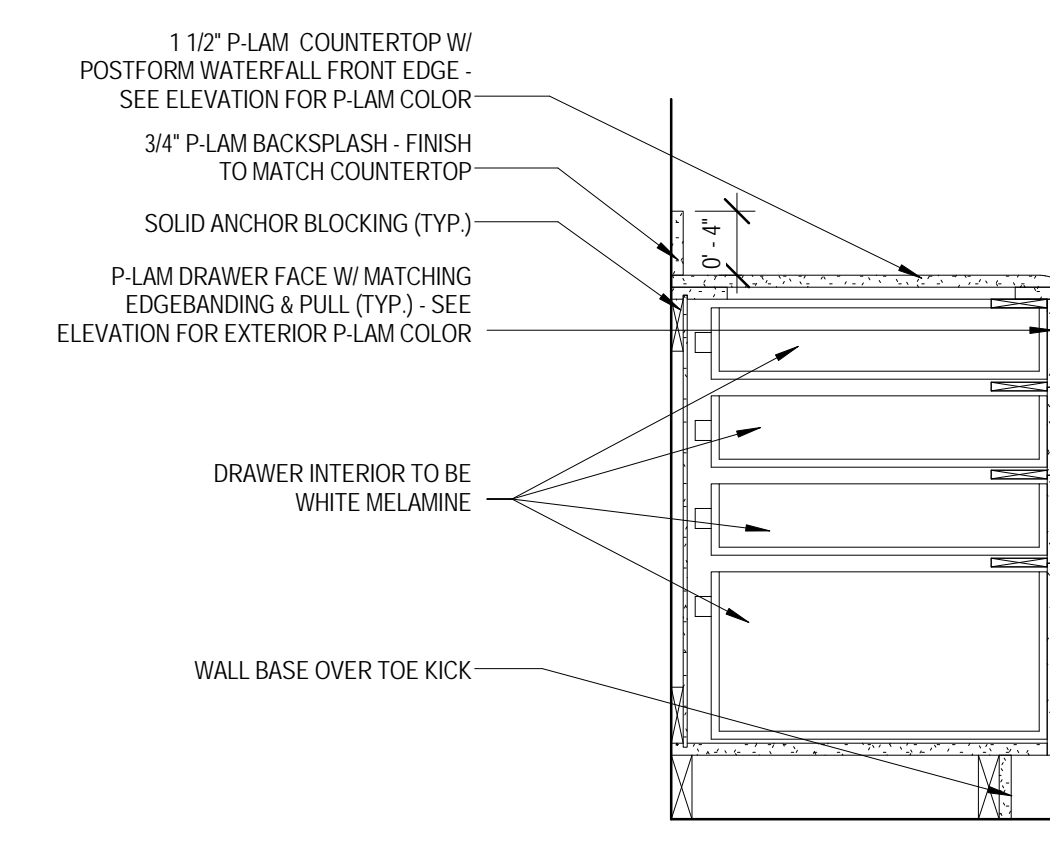
5 MILLWORK DETAIL
1" = 1'-0"



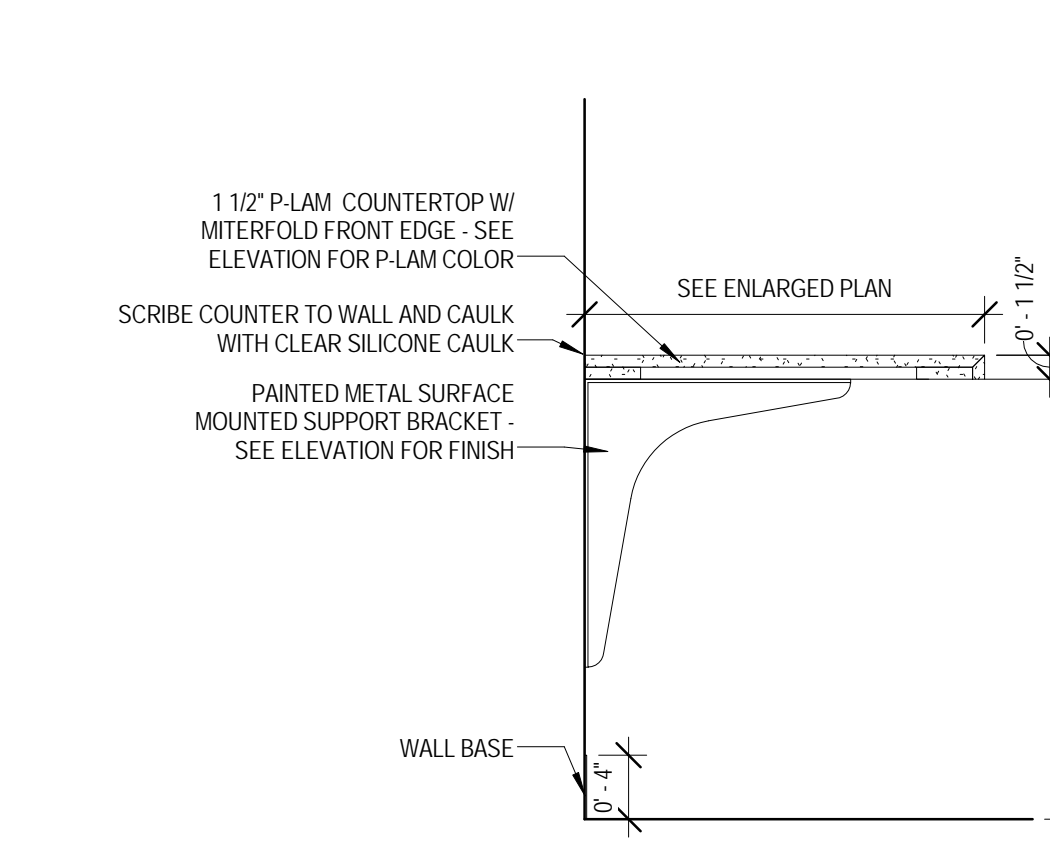
6 MILLWORK DETAIL
1" = 1'-0"



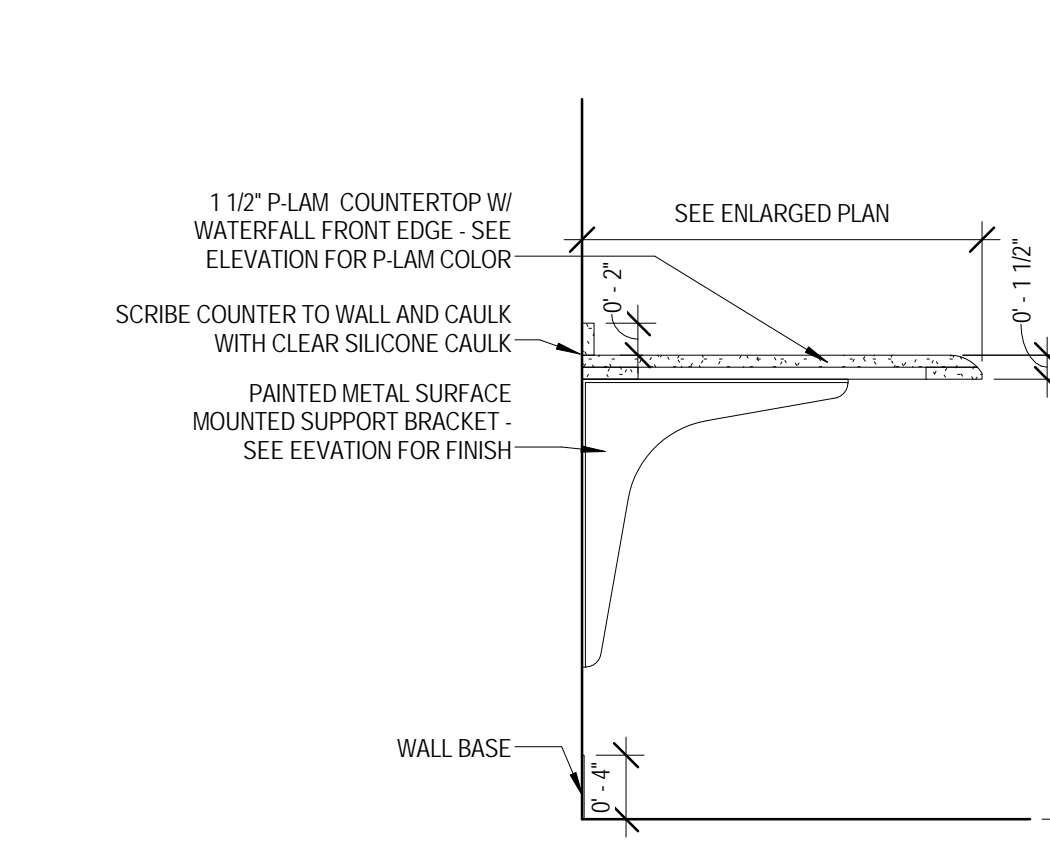
7 MILLWORK DETAIL
1" = 1'-0"



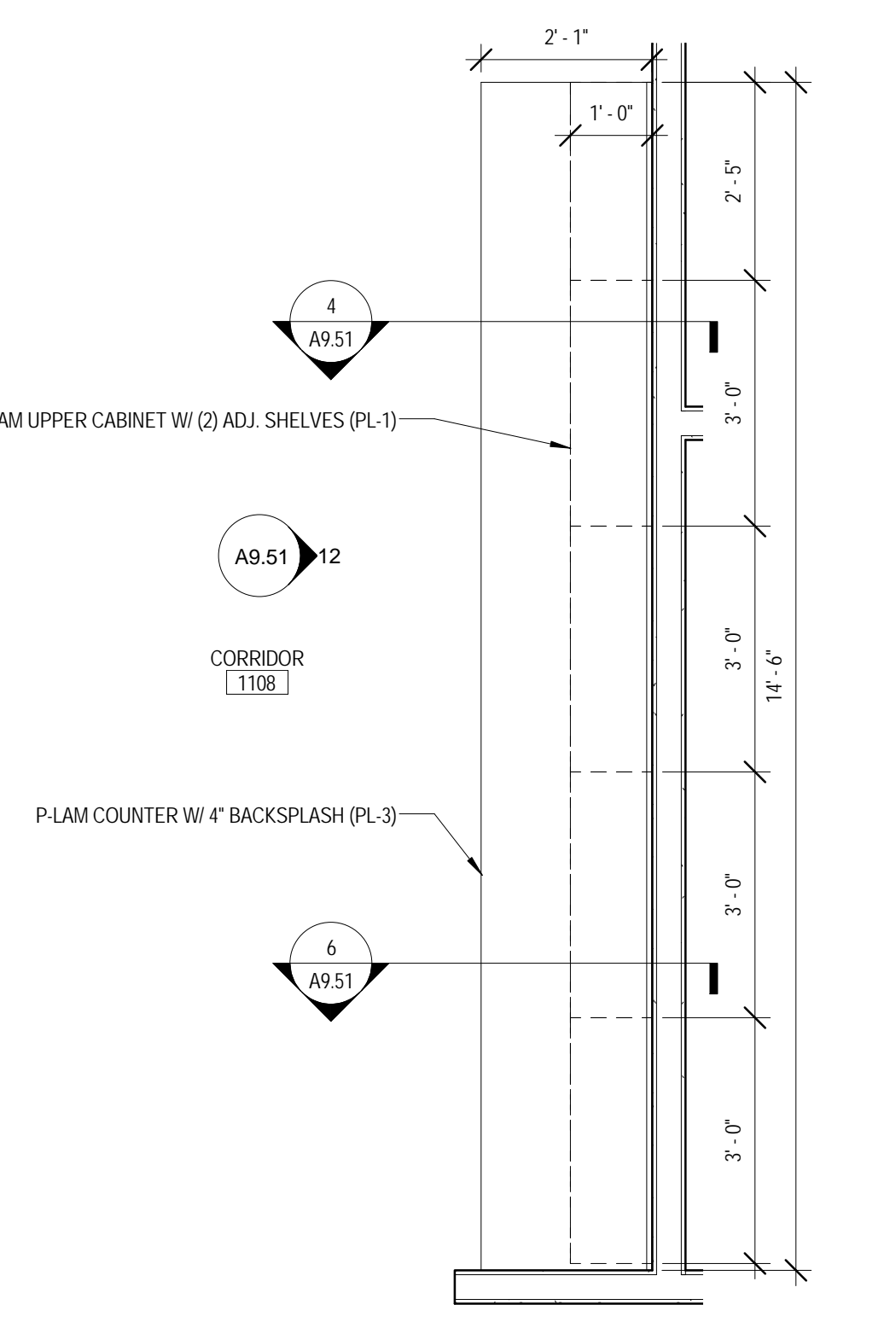
8 MILLWORK DETAIL
1" = 1'-0"



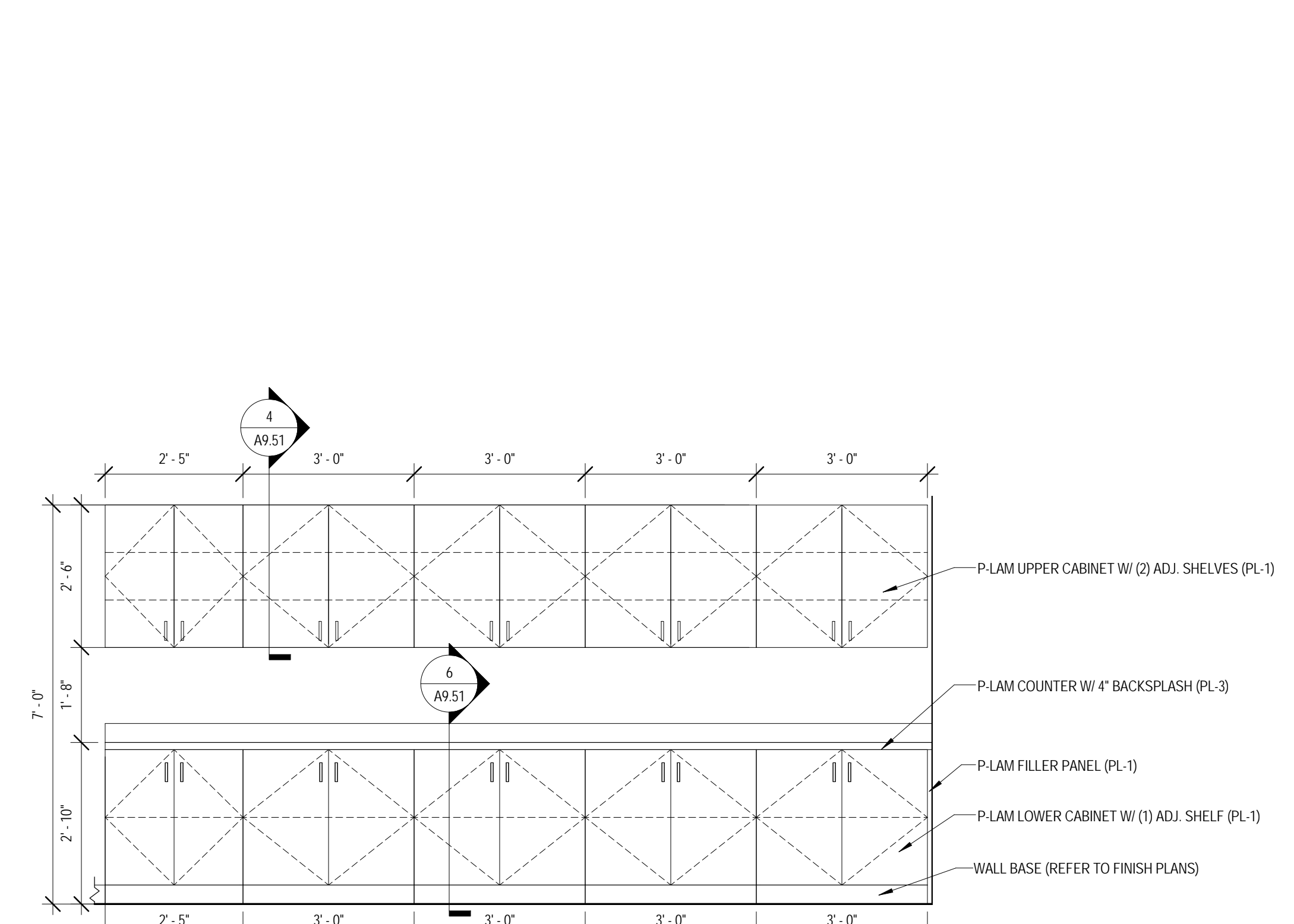
9 MILLWORK DETAIL
1" = 1'-0"



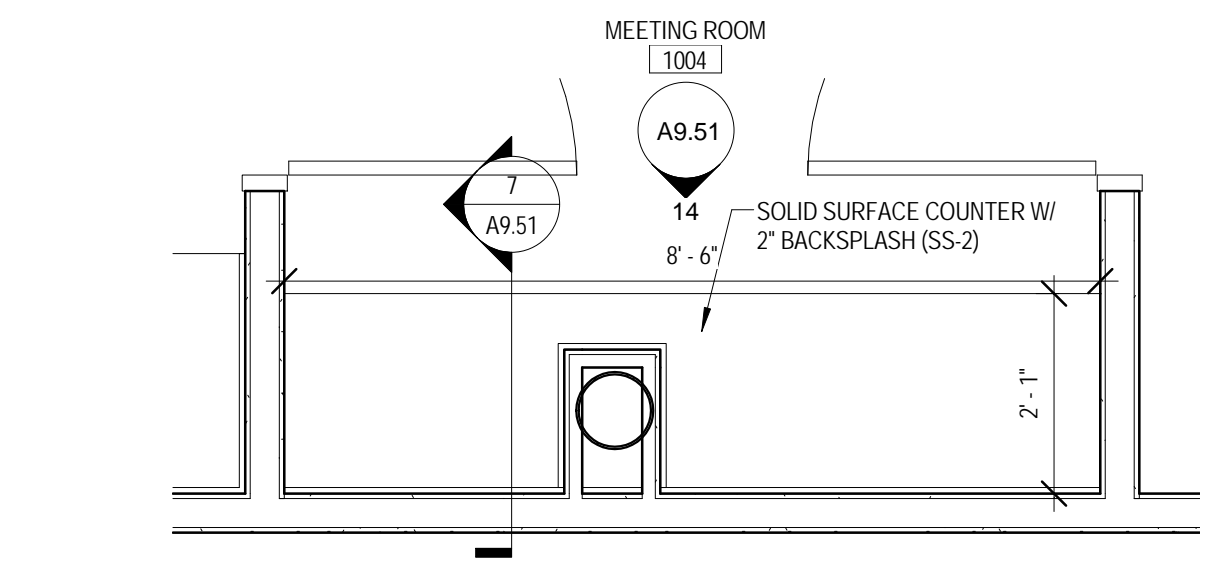
10 MILLWORK DETAIL
1" = 1'-0"



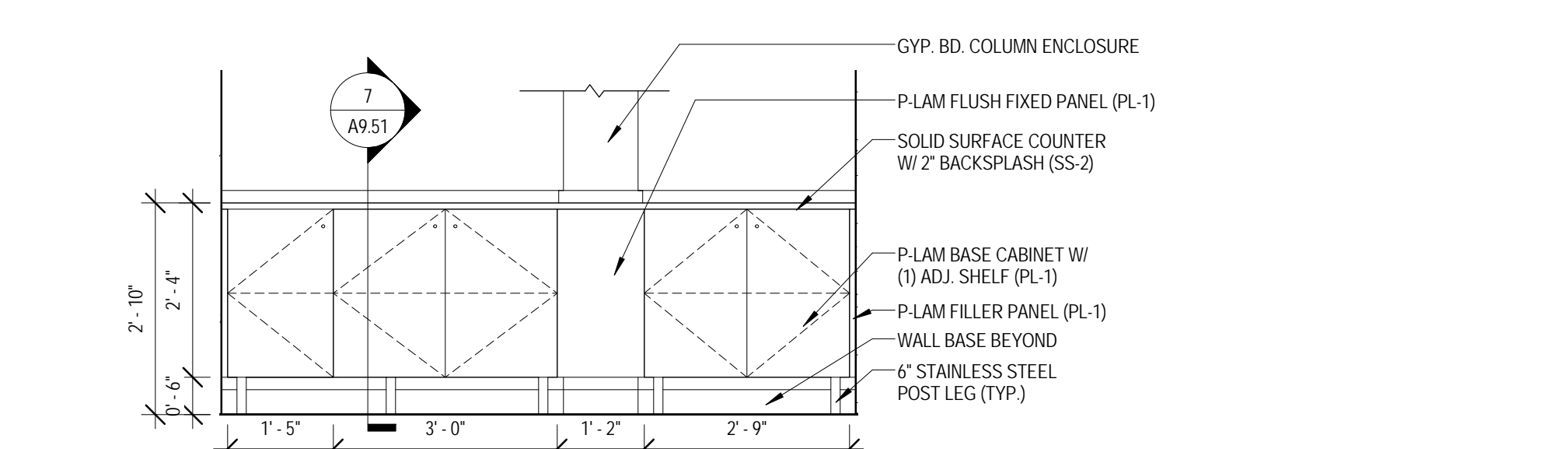
11 ENLARGED PLAN - MILLWORK - CORRIDOR 1108
1/2" = 1'-0"



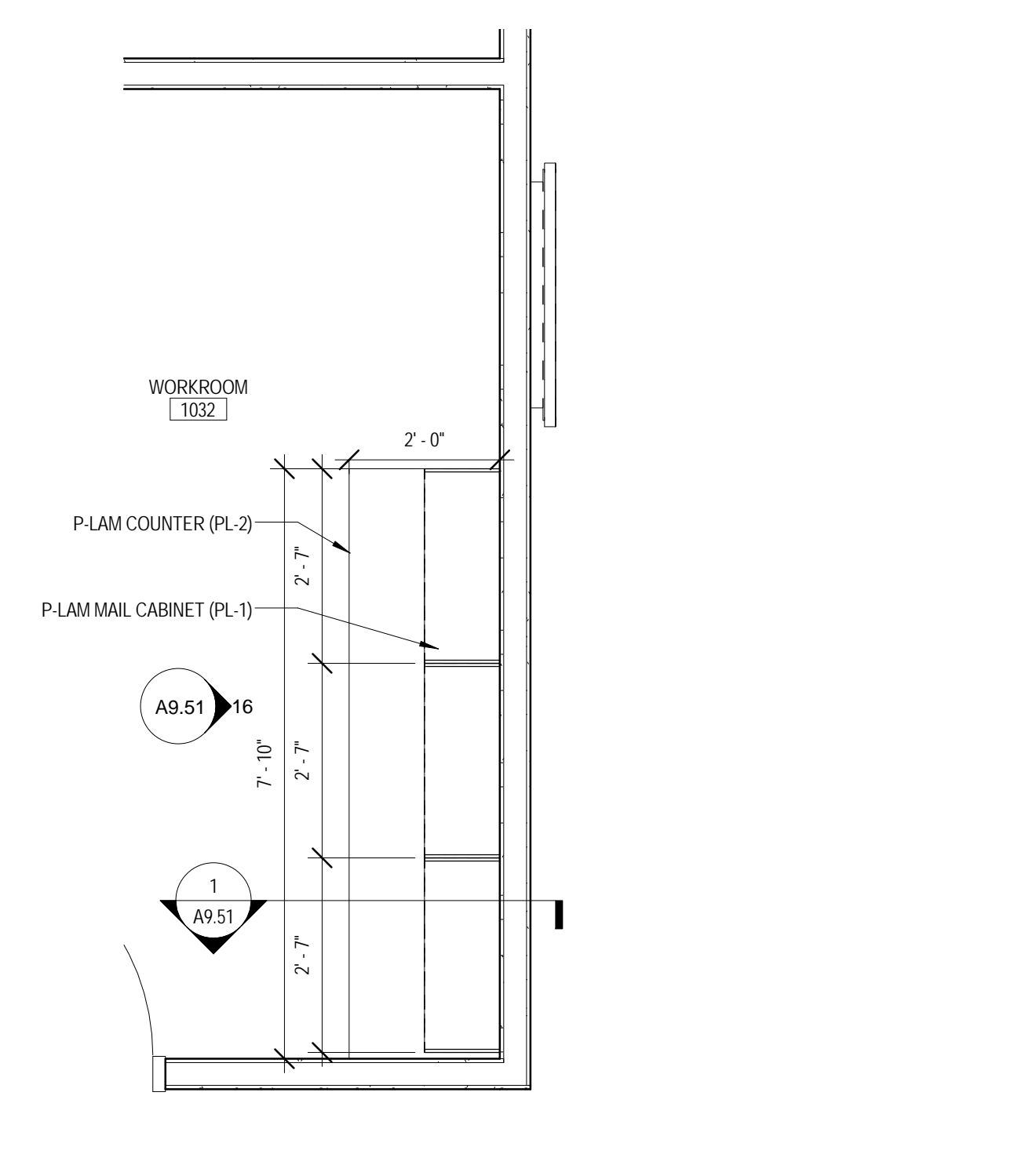
12 MILLWORK ELEVATION - CORRIDOR 1108 - EAST
1/2" = 1'-0"



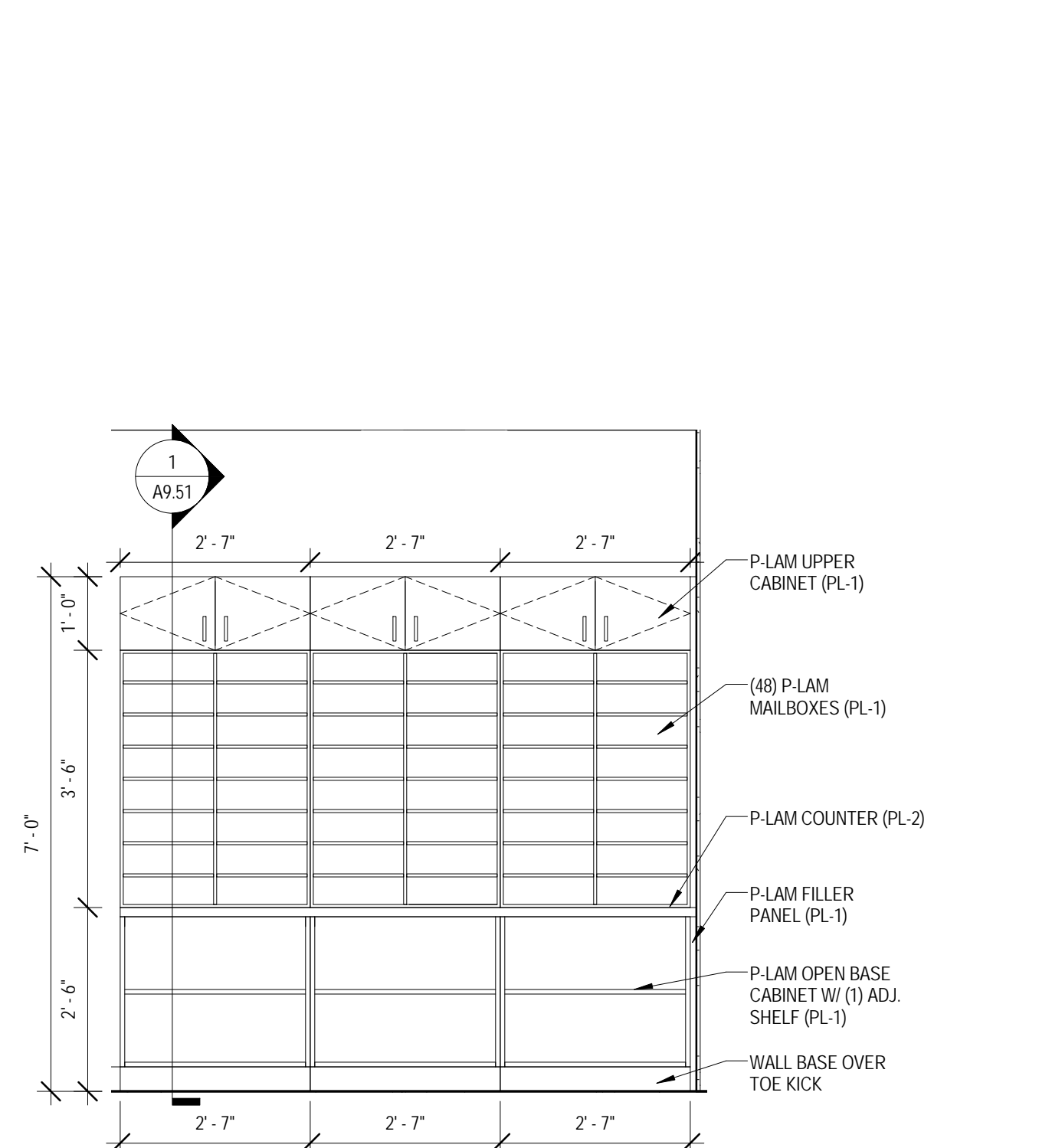
13 ENLARGED PLAN - MILLWORK - MEETING ROOM 1004
1/2" = 1'-0"



14 MILLWORK ELEVATION - MEETING ROOM 1004
1/2" = 1'-0"



15 ENLARGED PLAN - MILLWORK - WORK ROOM 1032
1/2" = 1'-0"



16 MILLWORK ELEVATION - WORK ROOM 1032
1/2" = 1'-0"

KEY PLAN:

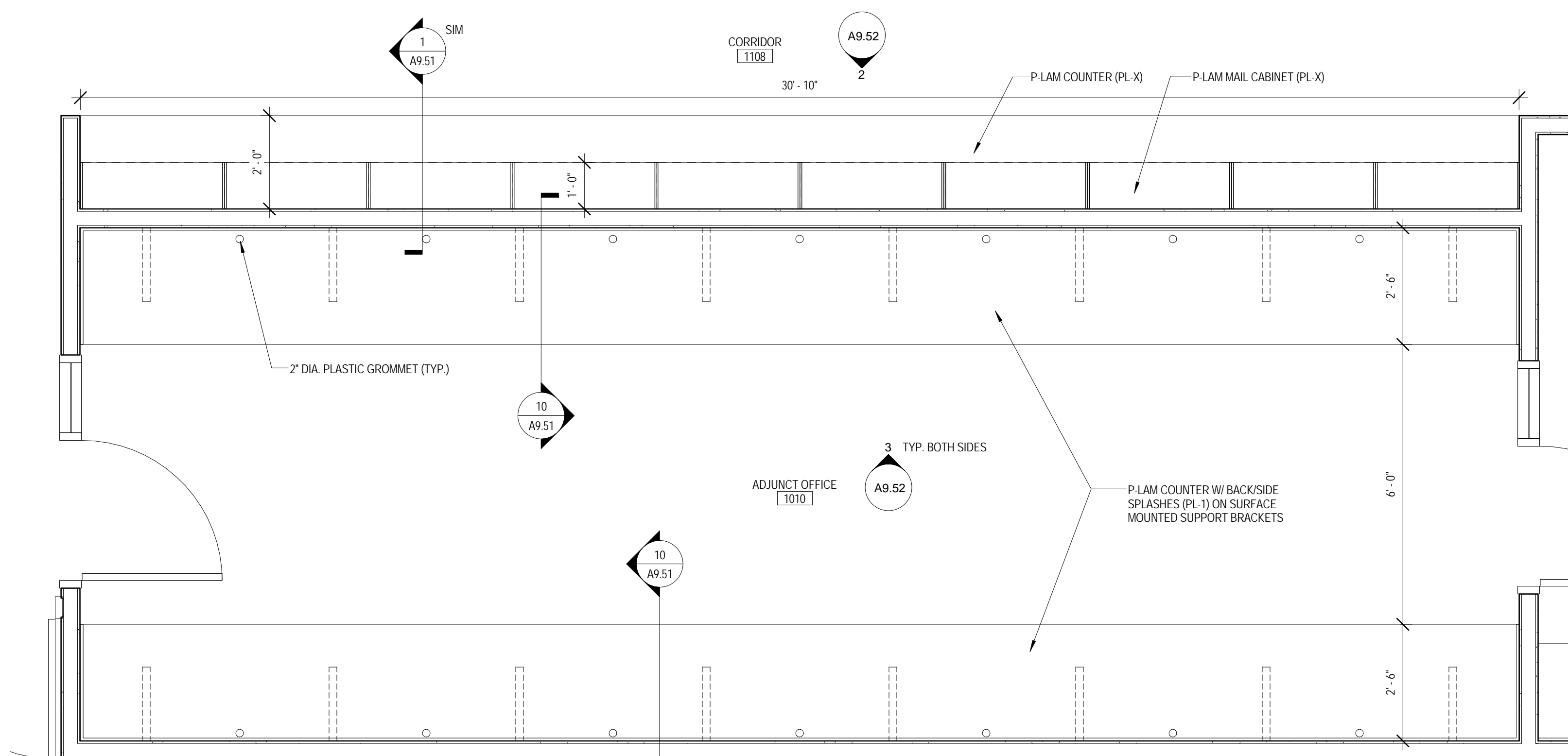
SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

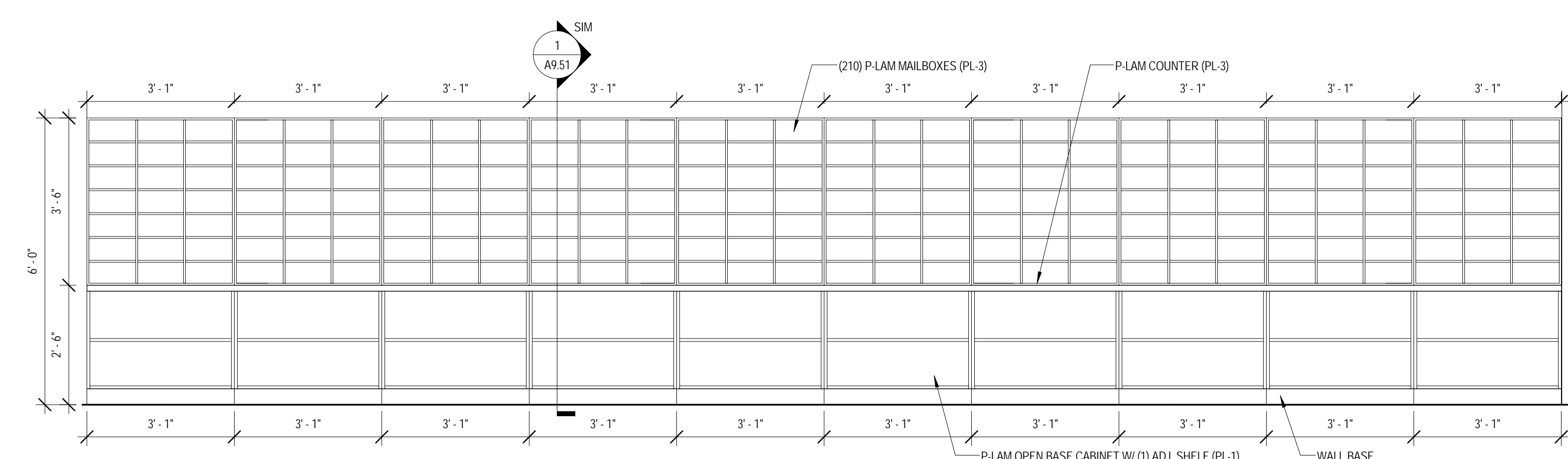
SHEET TITLE:
MILLWORK DETAILS

SHEET NUMBER:

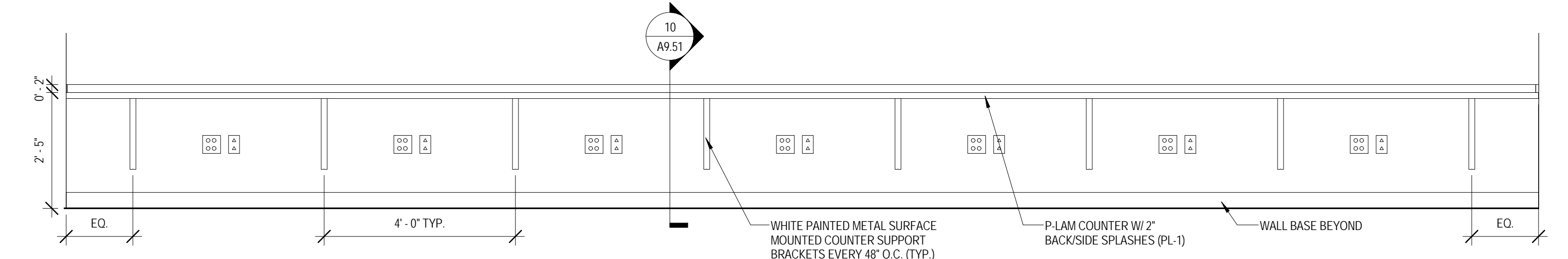
A9.51



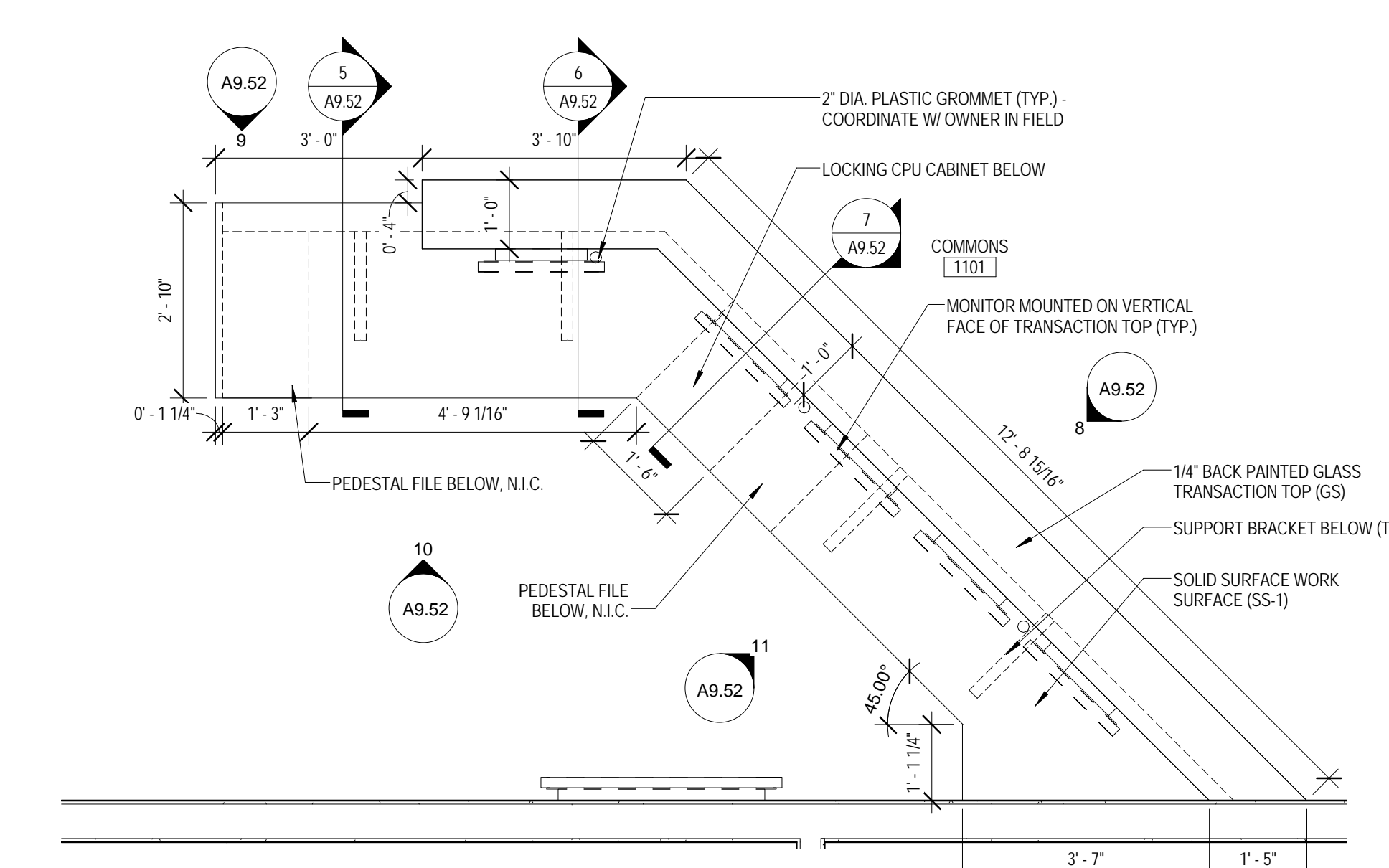
1 ENLARGED PLAN - MILLWORK - ADJUNCT OFFICE 1010
 1/2" = 1'-0"



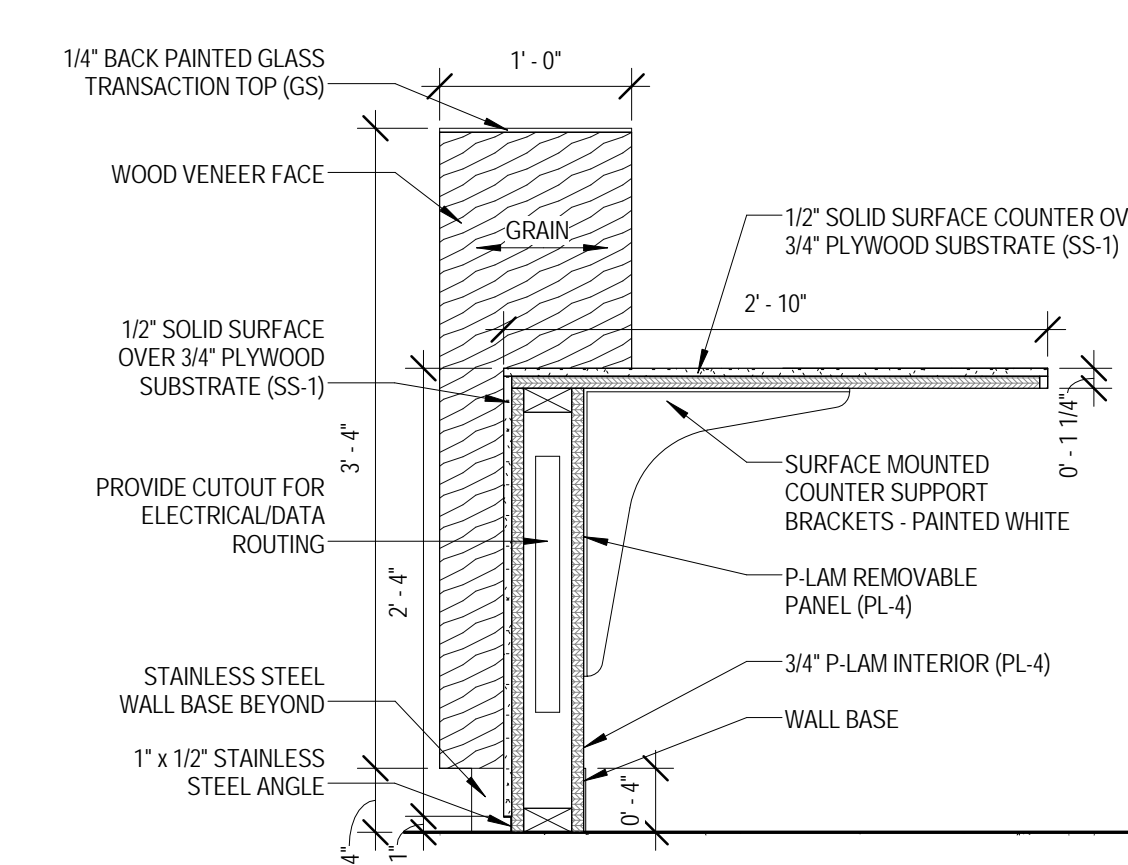
2 MILLWORK ELEVATION - CORRIDOR 1108 - SOUTH
 1/2" = 1'-0"



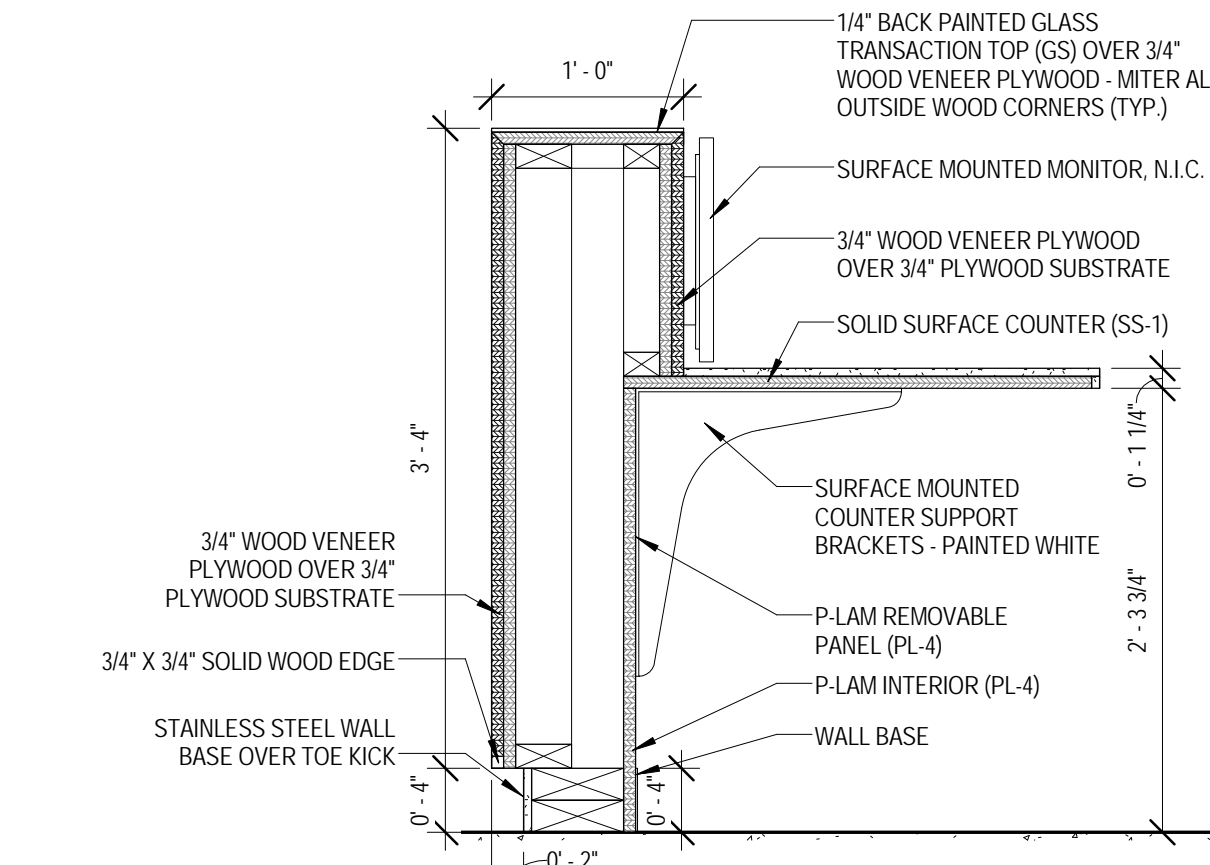
3 MILLWORK ELEVATION - ADJUNCT OFFICE 1010
 1/2" = 1'-0"



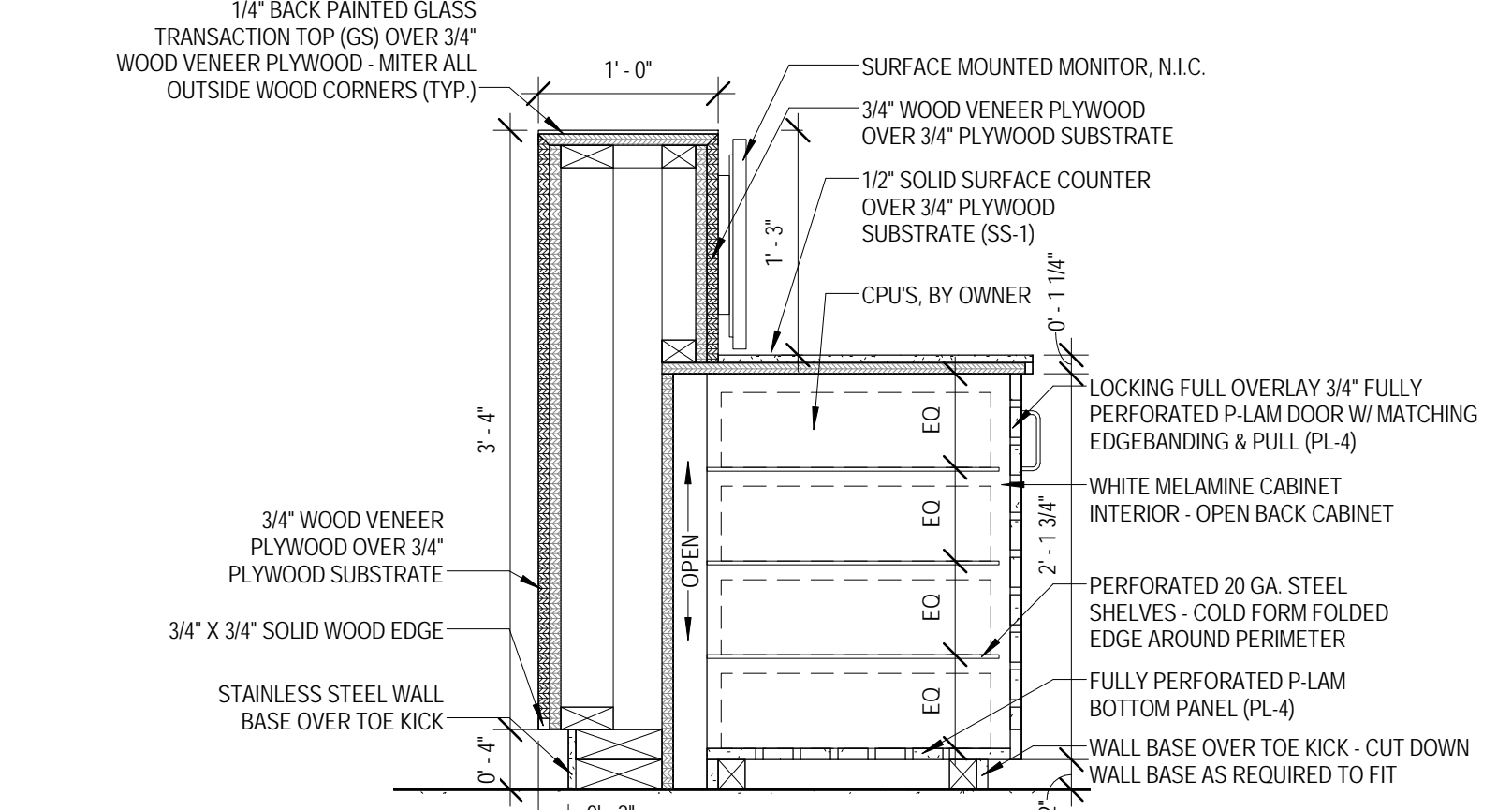
4 ENLARGED PLAN - MILLWORK - COMMONS 1101
 1/2" = 1'-0"



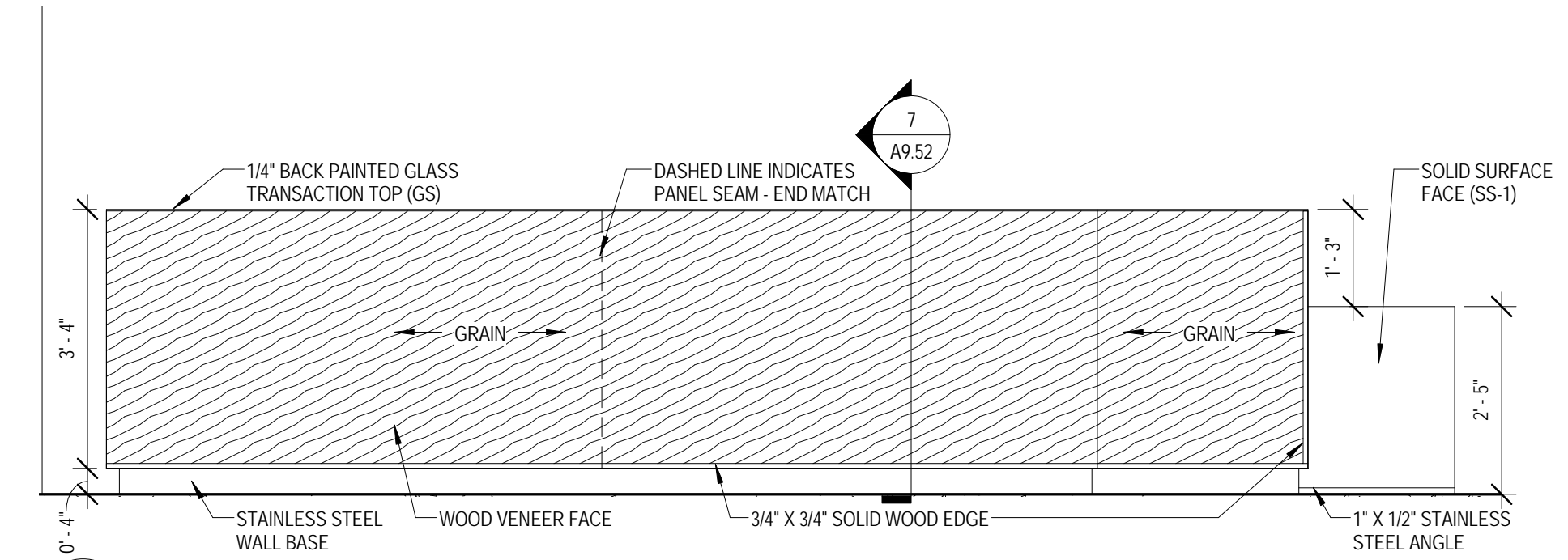
5 MILLWORK SECTION - COMMONS 1101 A
 1" = 1'-0"



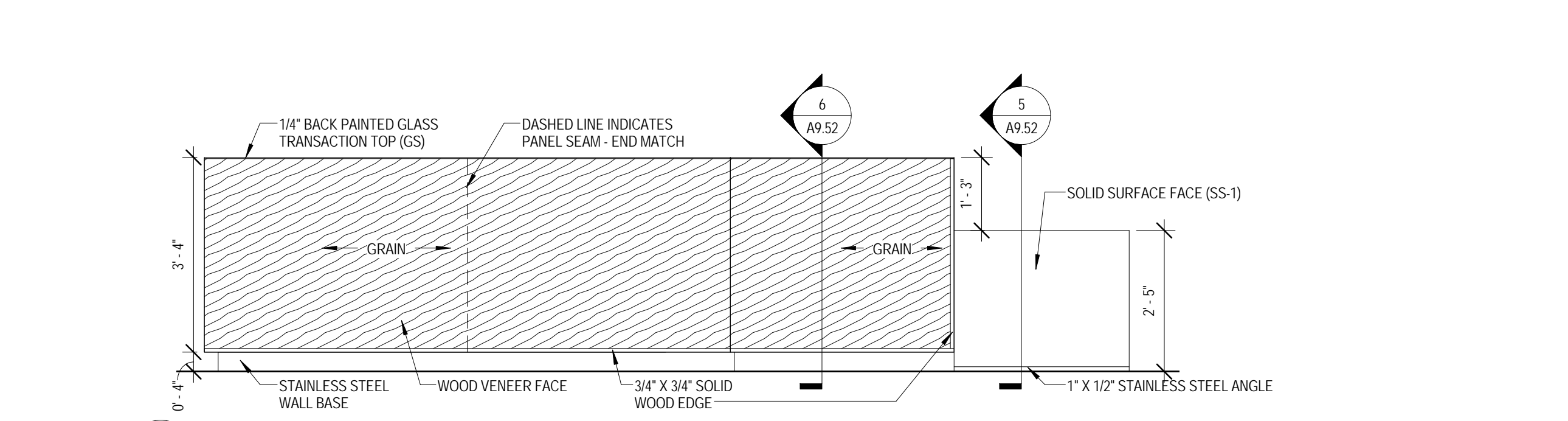
6 MILLWORK SECTION - COMMONS 1101 B
 1" = 1'-0"



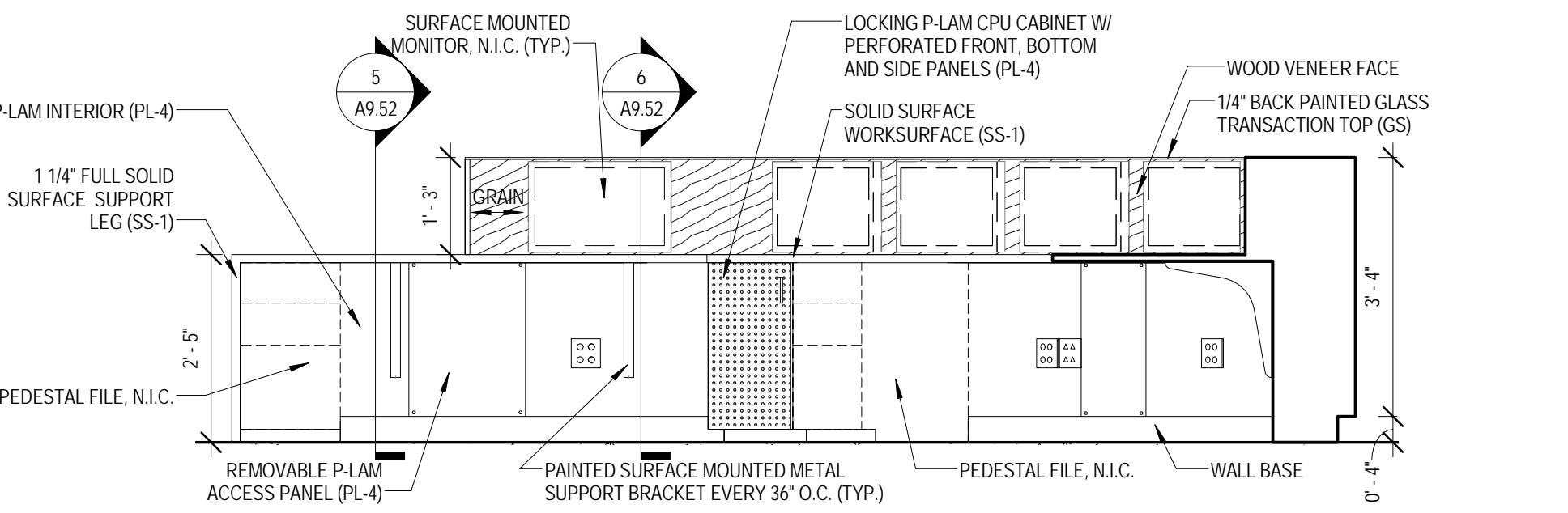
7 MILLWORK SECTION - COMMONS 1101 C
 1" = 1'-0"



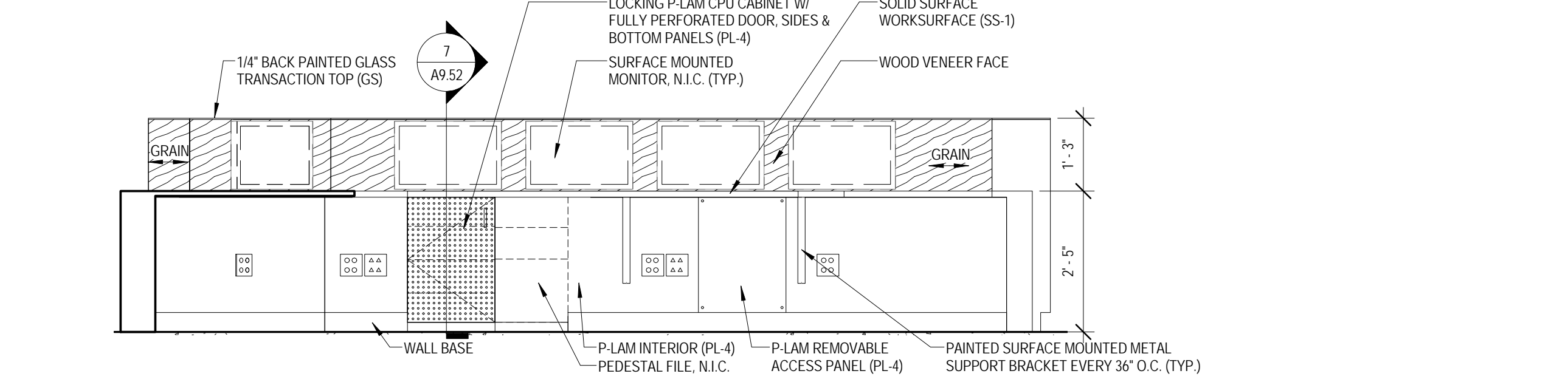
8 MILLWORK ELEVATION - COMMONS 1101 A
 1/2" = 1'-0"



9 MILLWORK ELEVATION - COMMONS 1101 B
 1/2" = 1'-0"



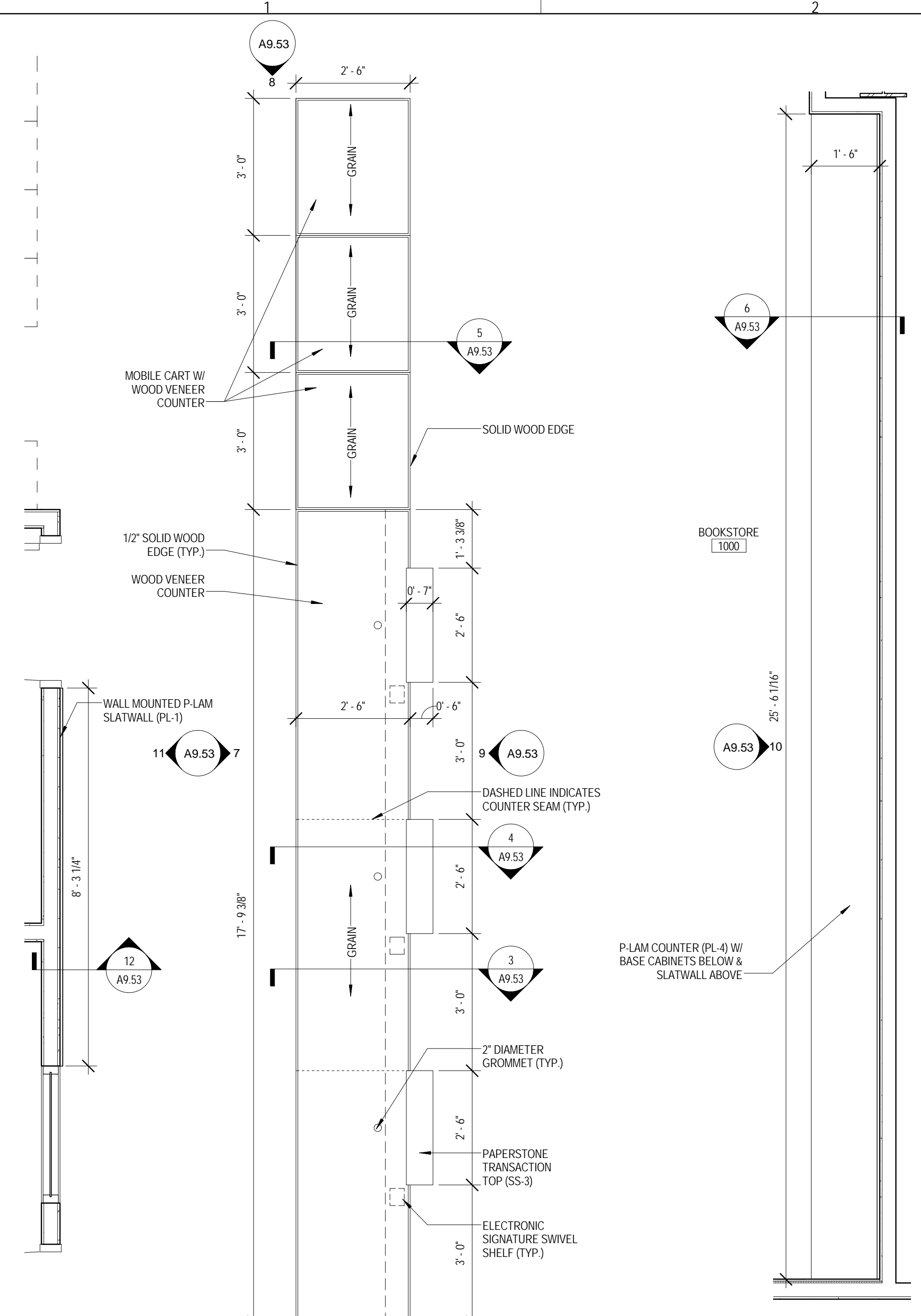
10 MILLWORK ELEVATION - COMMONS 1101 INTERIOR A
 1/2" = 1'-0"



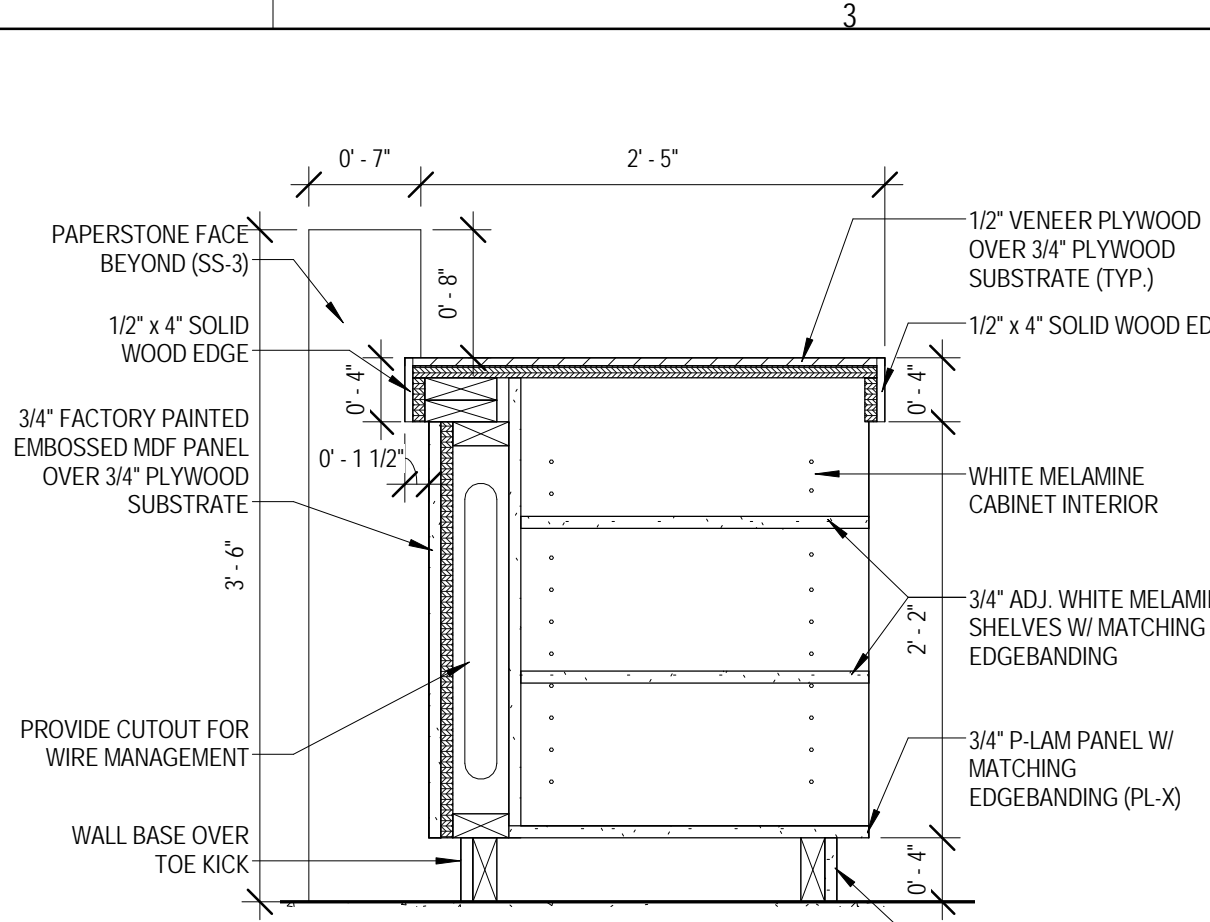
11 MILLWORK ELEVATION - COMMONS 1101 INTERIOR B
 1/2" = 1'-0"

MILLWORK FINISH TYPES:			
TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
ES-1	WHITE ENGINEERED STONE	WILSONART	LYRA 02001
ES-2	CHARCOAL ENGINEERED STONE	ZODIAC	STORM GREY
PL-1	WOOD GRAIN LAMINATE	FORMICA	7012-88 AMBER MAPLE
PL-2	GRAY LAMINATE	NEVAMAR	VA6001T CALM DISTINCTION
PL-3	ORANGE LAMINATE	ARBORITE	P-260 CA TATAMI SABI
PL-4	WHITE LAMINATE	FORMICA	459-58 BRUTE WHITE
SS-1	WHITE SOLID SURFACE	KRION	0102 CLEAR NATURE
SS-2	WHITE SOLID SURFACE (WINDOW SILLS)	MEGANITE	BRIGHT WHITE 001
SS-3	1\"/>		
SS-4	BLACK SOLID SURFACE	MEGANITE	810 RAVEN BOULDER

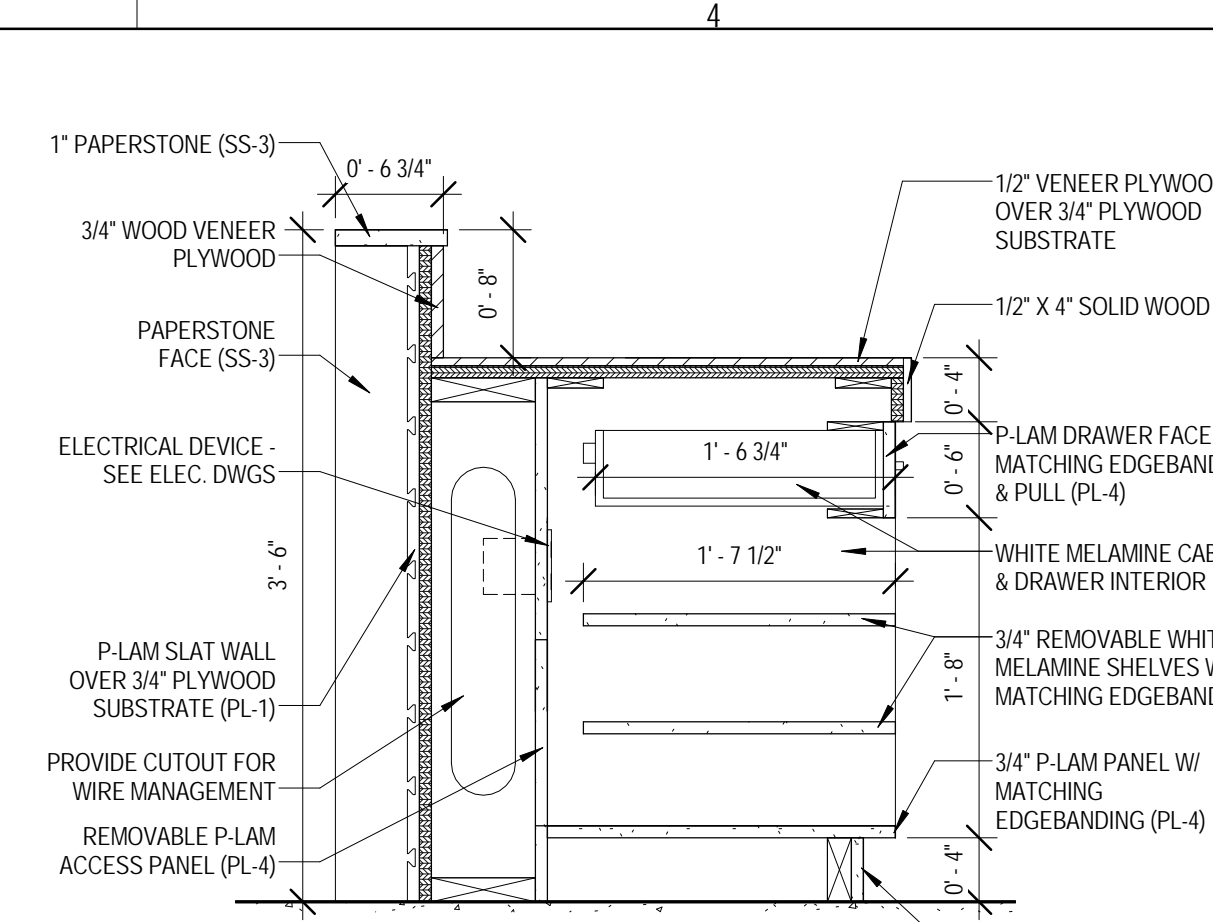
MILLWORK FINISH TYPES:			
TYPE	DESCRIPTION	MANUFACTURER	NAME#/COLOR
ES-1	WHITE ENGINEERED STONE	WILSONART	LYRA C2001
ES-2	CHARCOAL ENGINEERED STONE	ZODIAC	STORM GREY
PL-1	WOOD GRAIN LAMINATE	FORMICA	7012-S8 AMBER MAPLE
PL-2	GRAY LAMINATE	NEVAMAR	V6001T CALM DISTINCTION
PL-3	ORANGE LAMINATE	ARBORITE	P-260 CA TATAMI SABI
PL-4	WHITE LAMINATE	FORMICA	459-S8 BRITE WHITE
SS-1	WHITE SOLID SURFACE	KIRKON	0102 CLEAR NATURE
SS-2	WHITE SOLID SURFACE (WINDOW SILLS)	MEGANITE	BRIGHT WHITE 001
SS-3	1" THK PAPERSTONE	PAPERSTONE	SLATE
SS-4	BLACK SOLID SURFACE	MEGANITE	810 RAVEN BOULDER



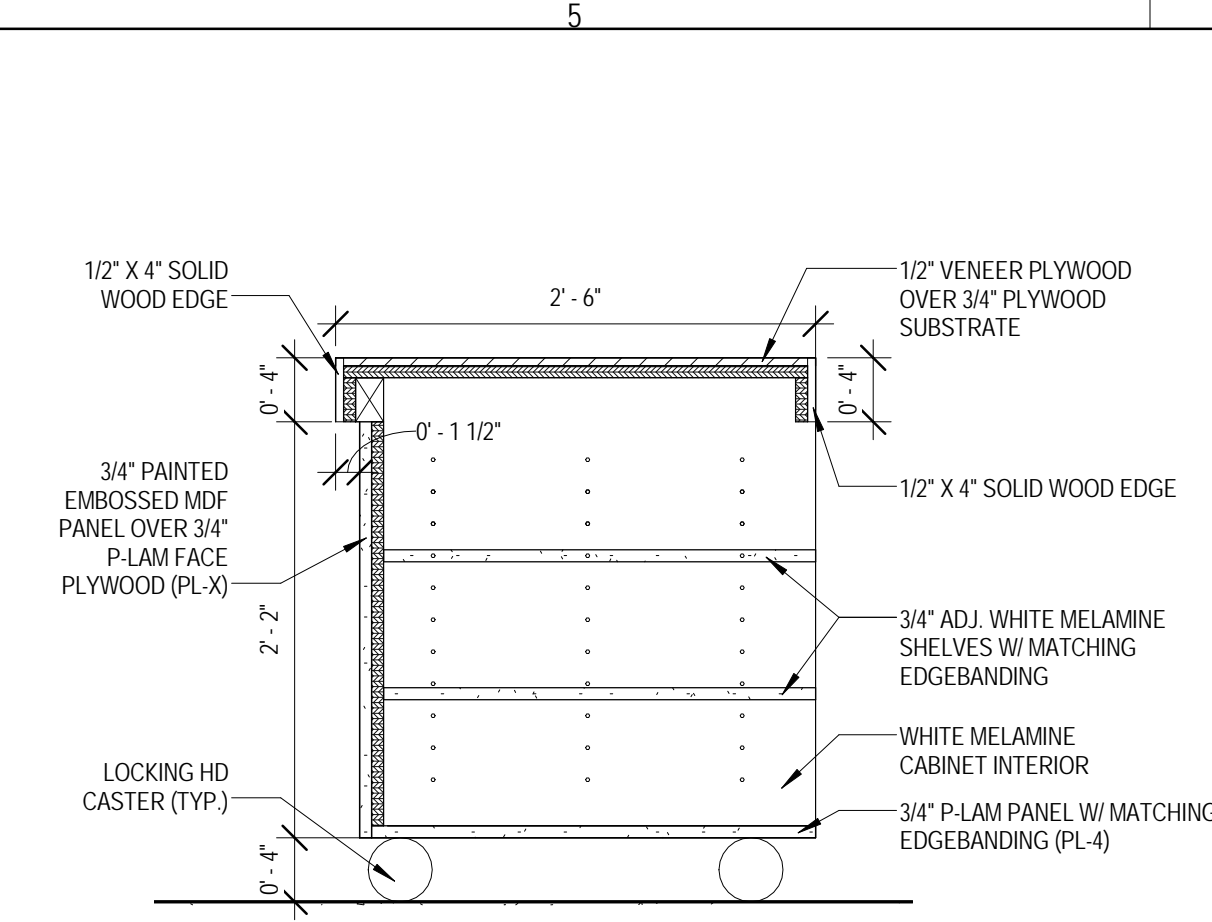
1 ENLARGED PLAN - MILLWORK - BOOKSTORE 1000
 1/2" = 1'-0"



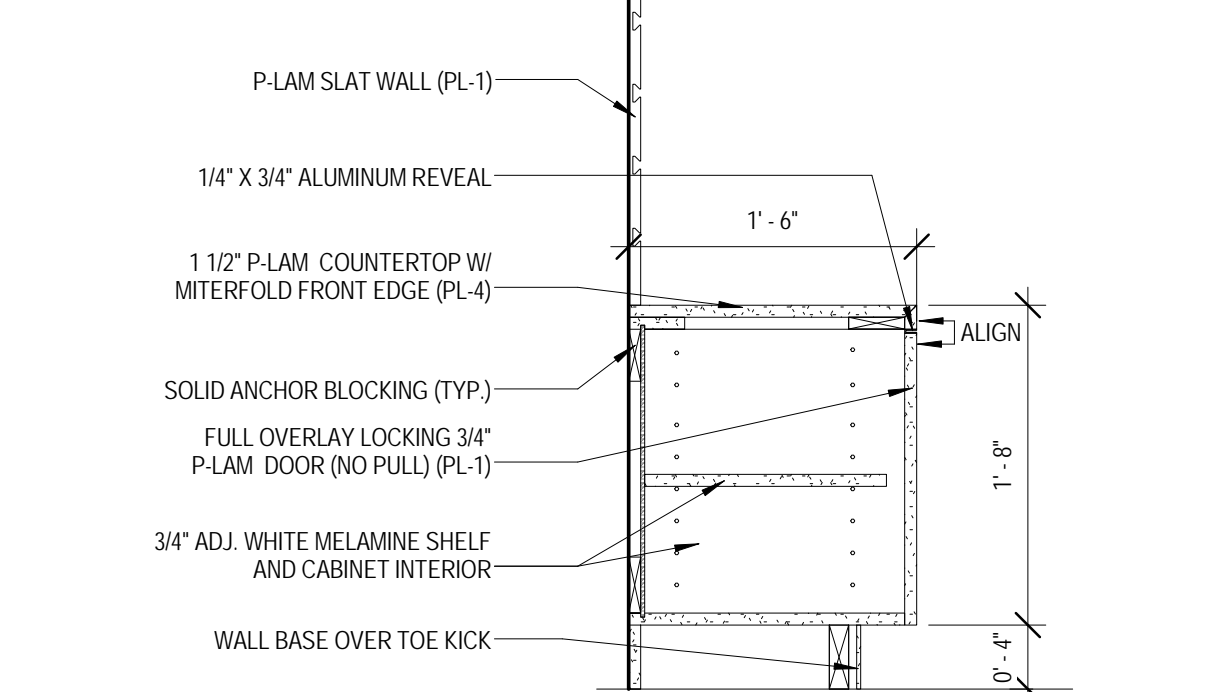
3 MILLWORK SECTION - BOOKSTORE 1000 SECTION 1
 1" = 1'-0"



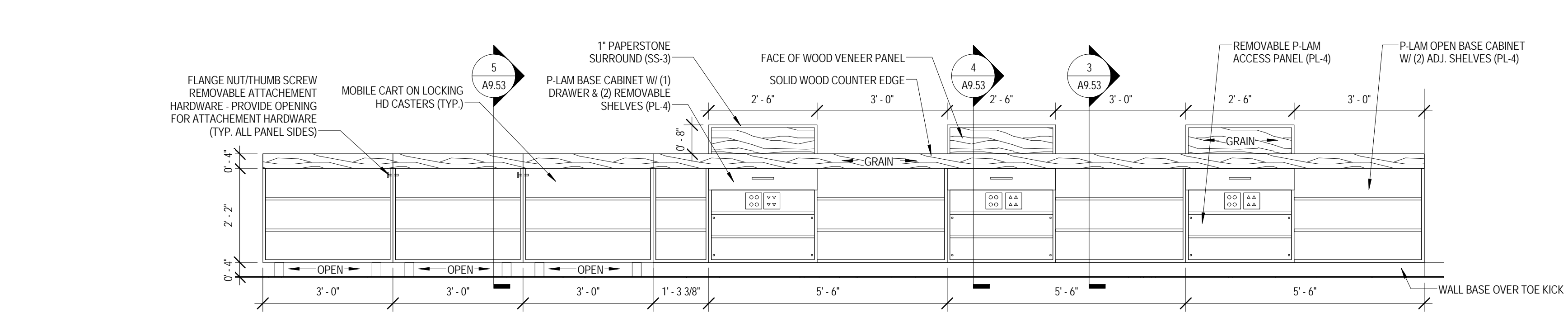
4 MILLWORK SECTION - BOOKSTORE 1000 SECTION 2
 1" = 1'-0"



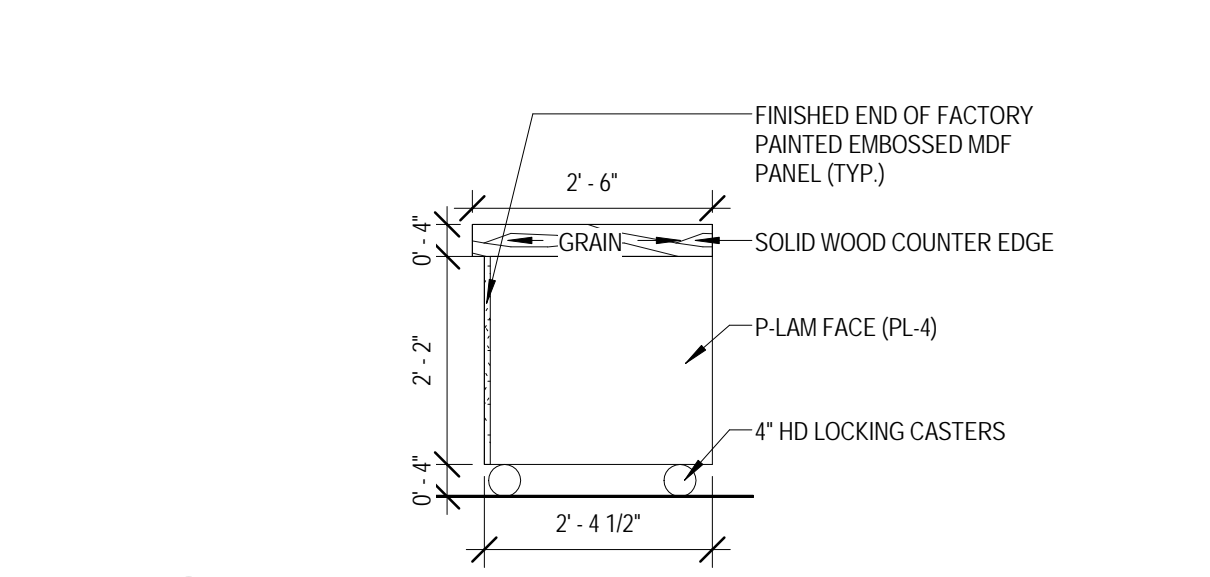
5 MILLWORK SECTION - BOOKSTORE 1000 SECTION 3
 1" = 1'-0"



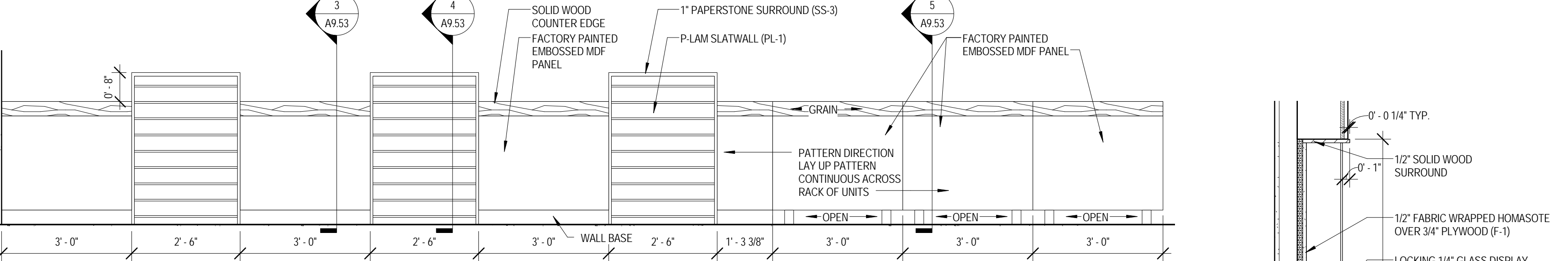
6 MILLWORK - LOWERS - BELOW SLAT WALL
 1" = 1'-0"



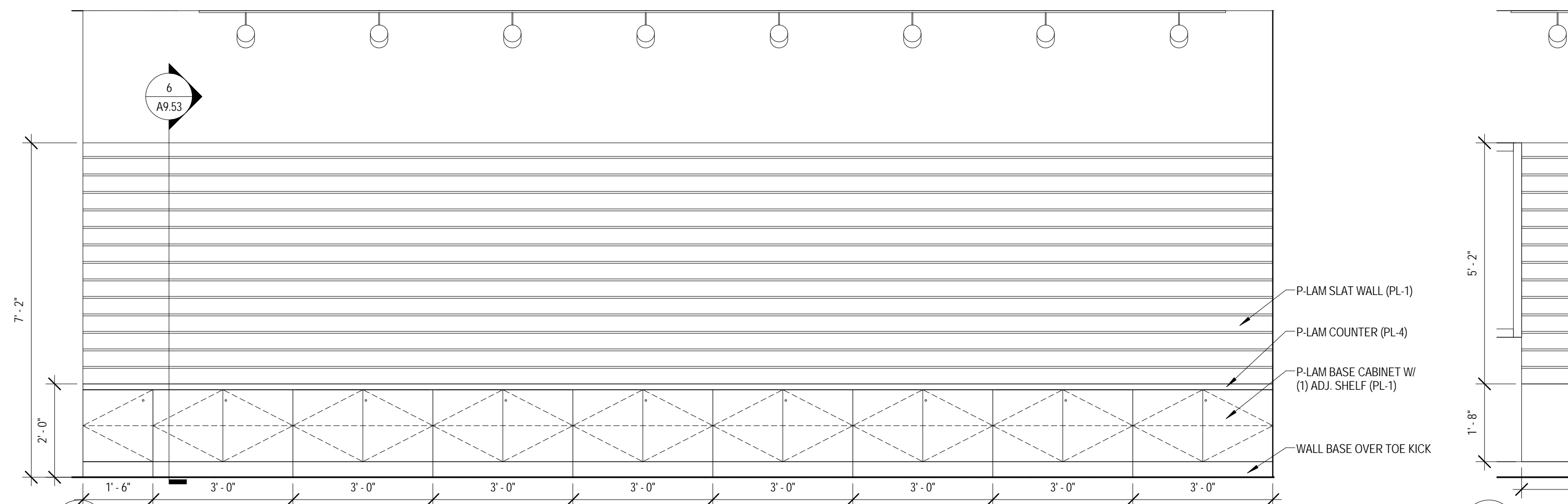
7 MILLWORK ELEVATION - BOOKSTORE 1000 EAST
 1/2" = 1'-0"



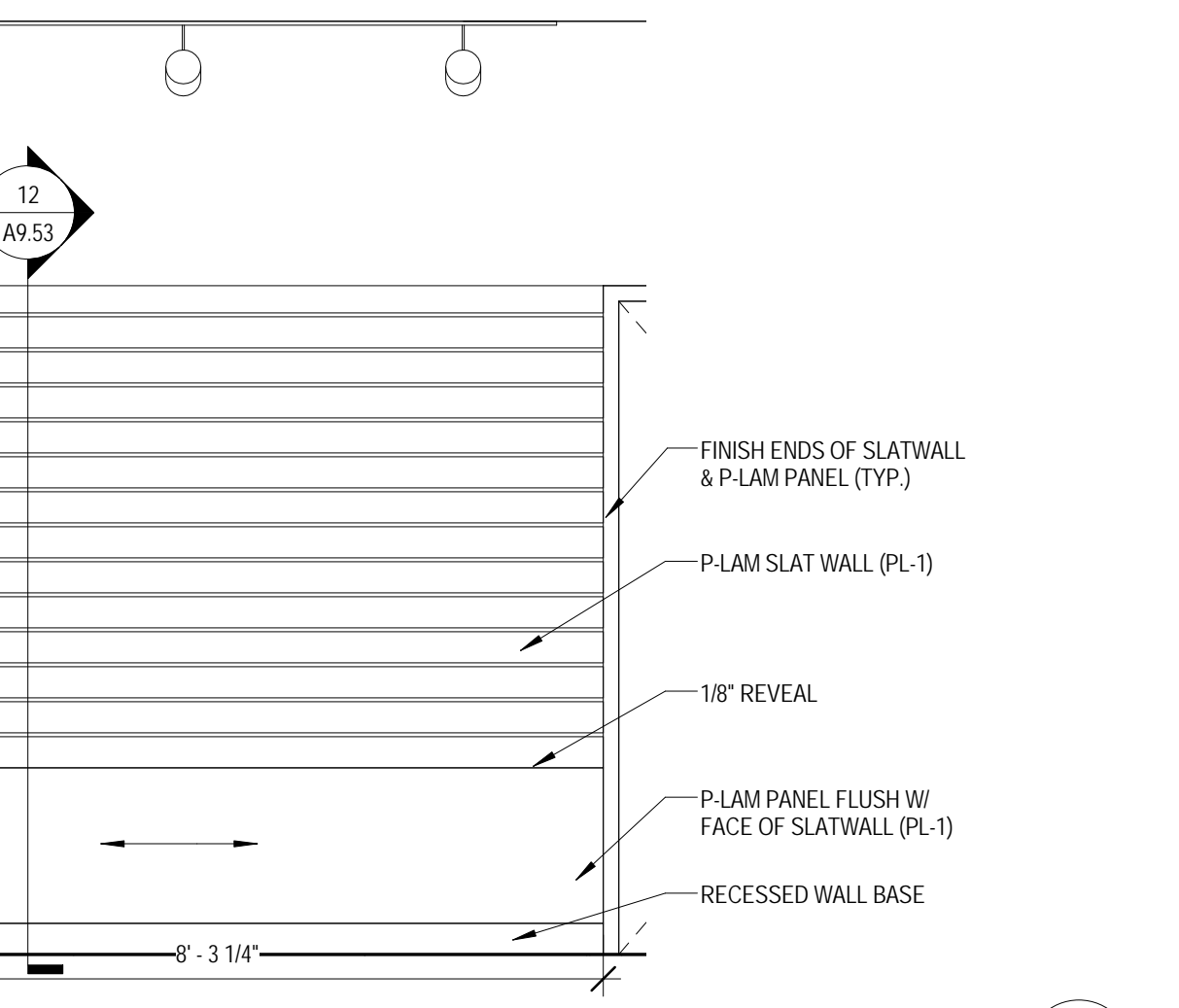
8 MILLWORK ELEVATION - BOOKSTORE 1000 SOUTH
 1/2" = 1'-0"



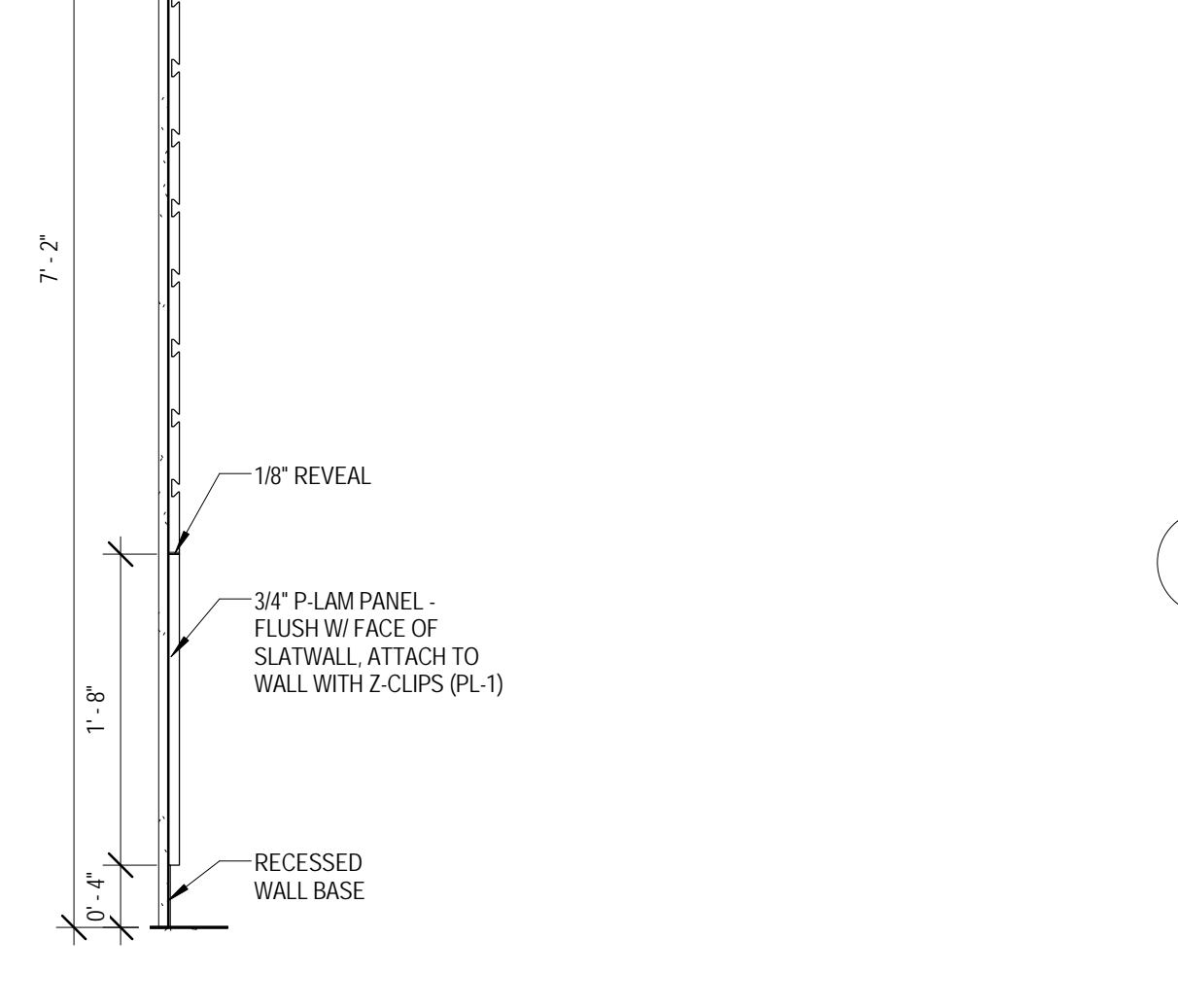
9 MILLWORK ELEVATION - BOOKSTORE 1000 WEST
 1/2" = 1'-0"



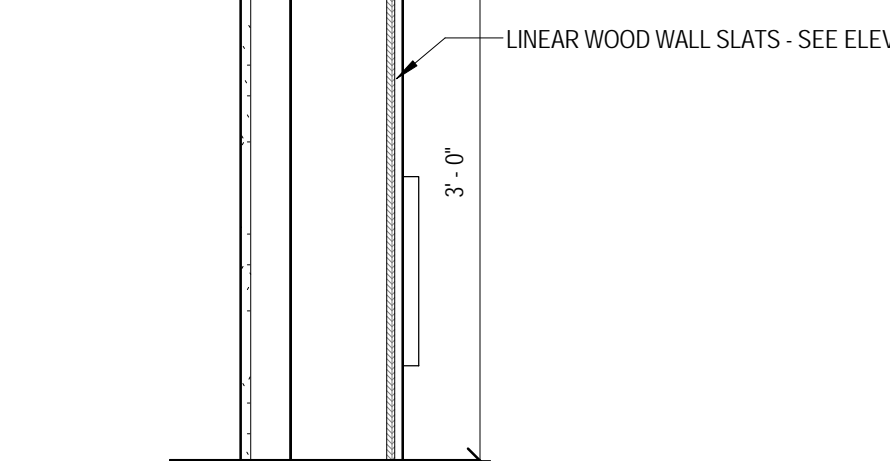
10 MILLWORK ELEVATION - BOOKSTORE 1000 SLAT WALL
 1/2" = 1'-0"



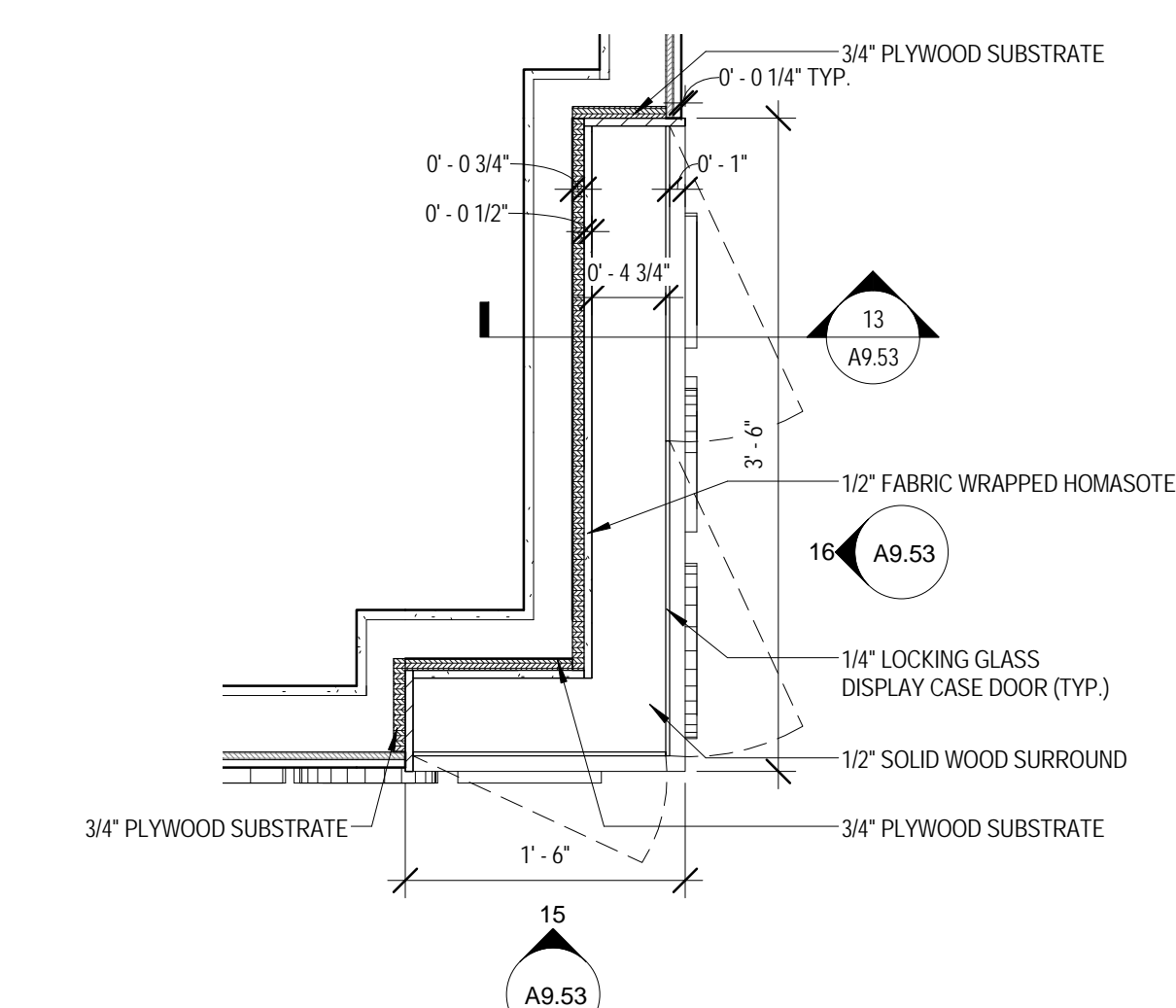
11 MILLWORK ELEVATION - BOOKSTORE 1000 SLAT WALL
 1/2" = 1'-0"



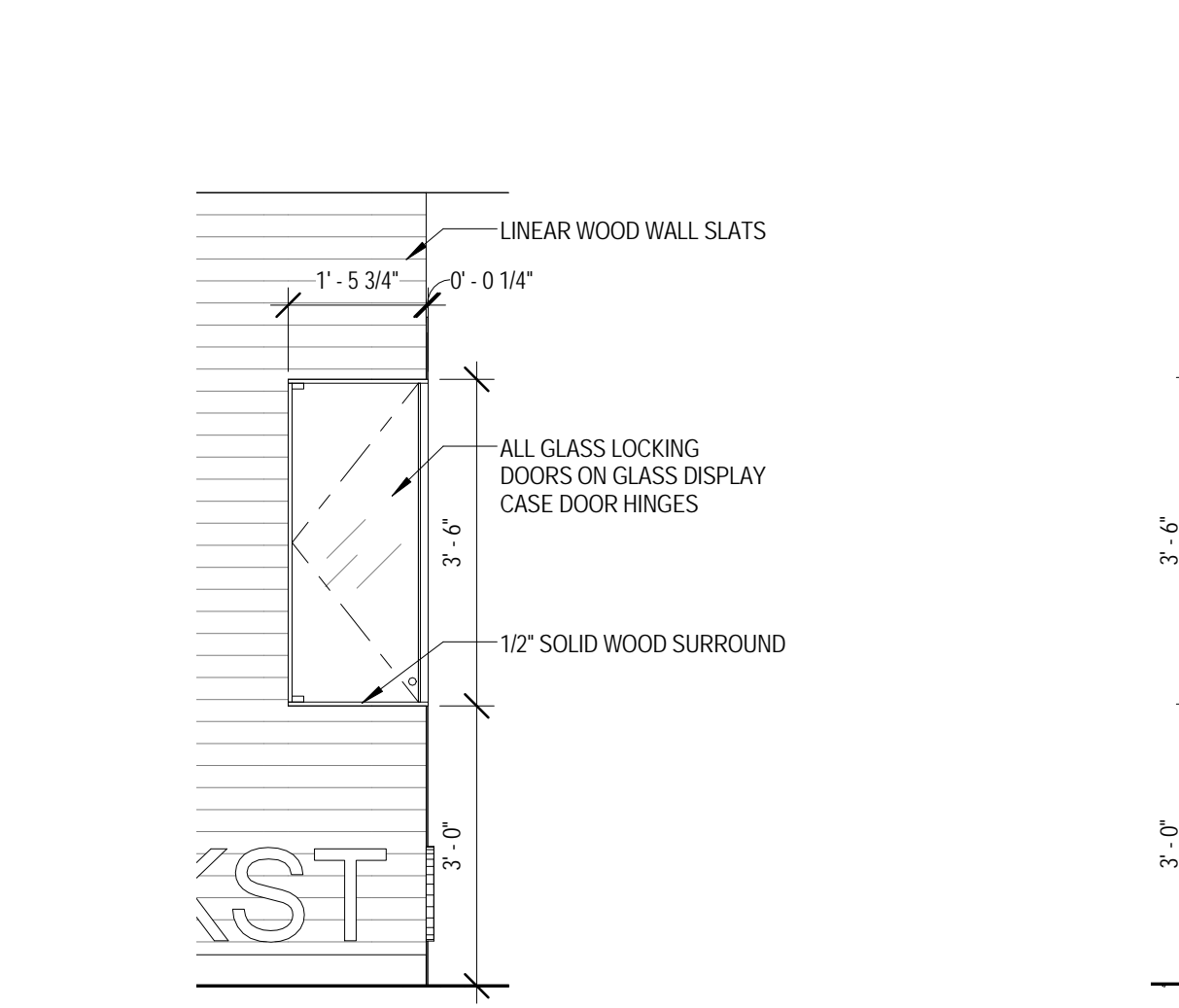
12 MILLWORK SECTION - BOOKSTORE 1000 SLAT WALL
 1" = 1'-0"



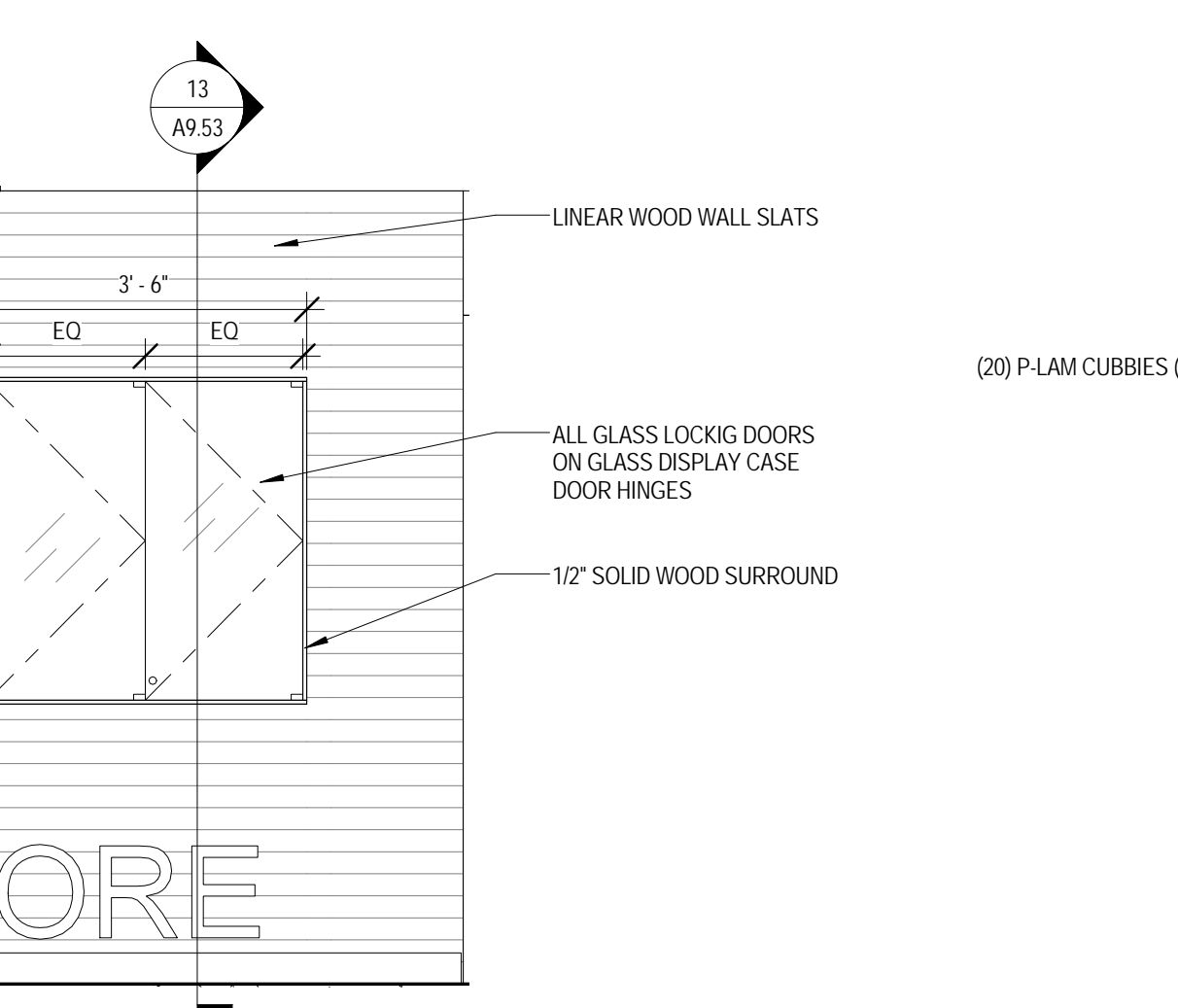
13 MILLWORK SECTION - BOOKSTORE 1000 DISPLAY CASE
 1" = 1'-0"



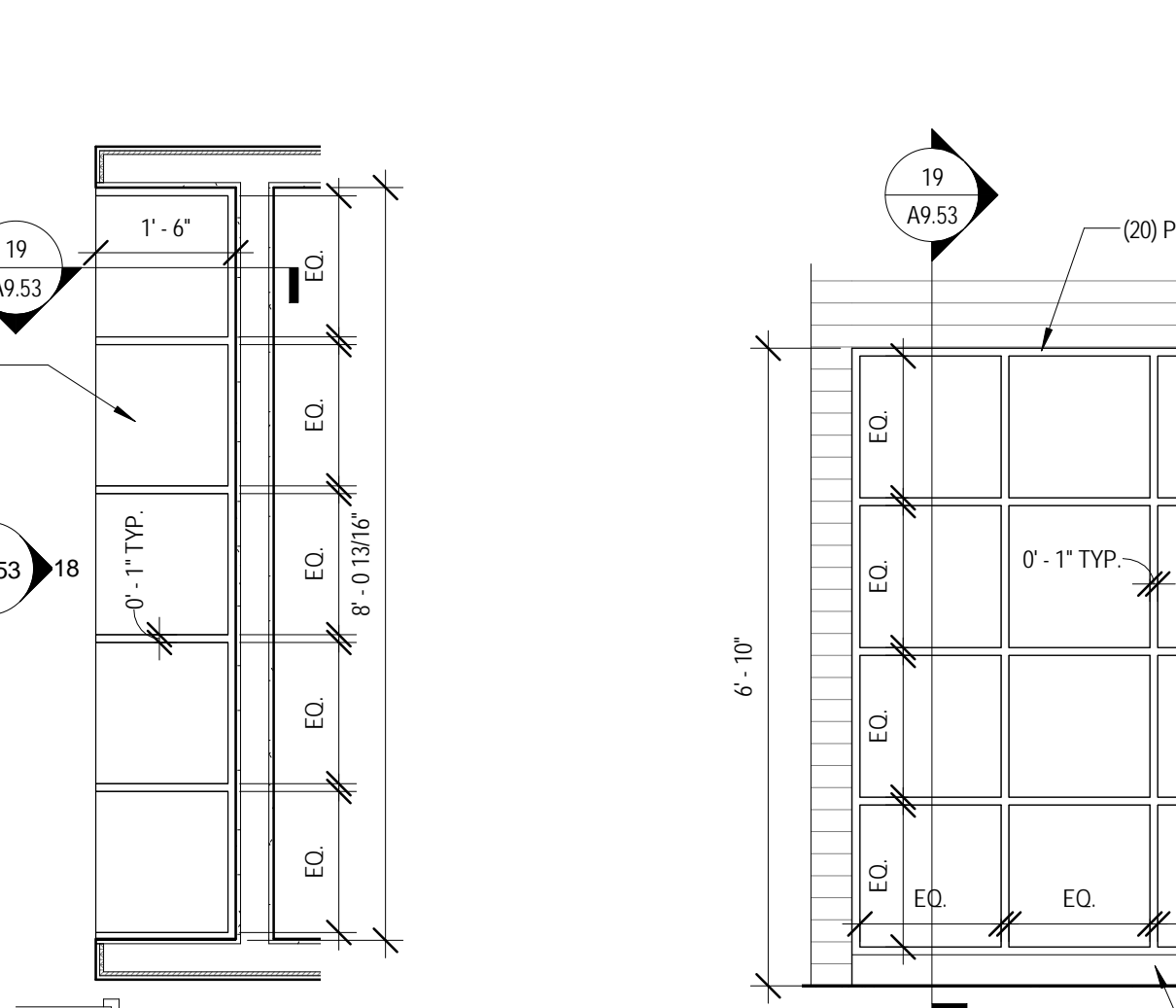
14 ENLARGED PLAN - MILLWORK - BOOKSTORE 1000 DISPLAY CASE WEST
 1" = 1'-0"



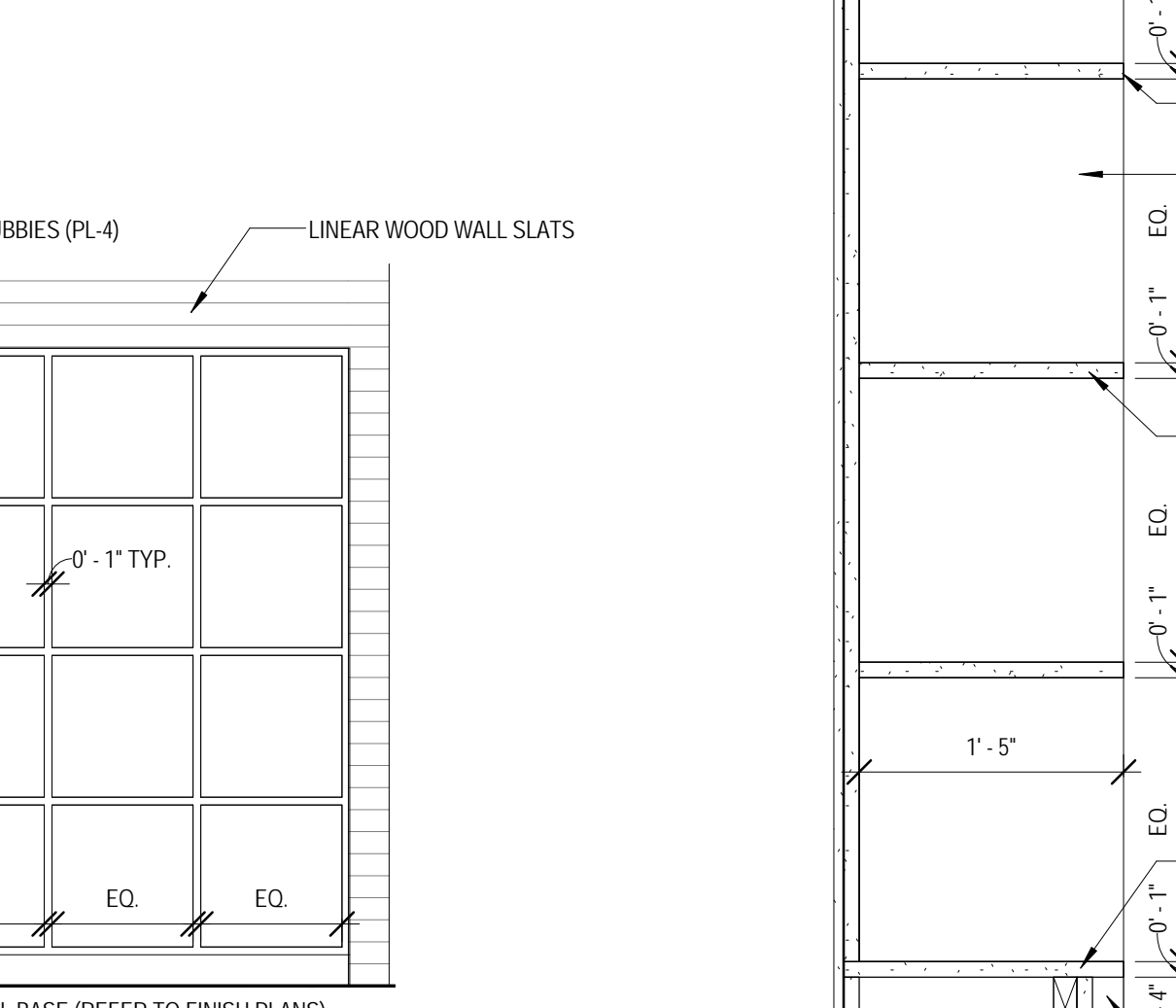
15 MILLWORK ELEVATION - BOOKSTORE 1000 DISPLAY CASE NORTH
 1/2" = 1'-0"



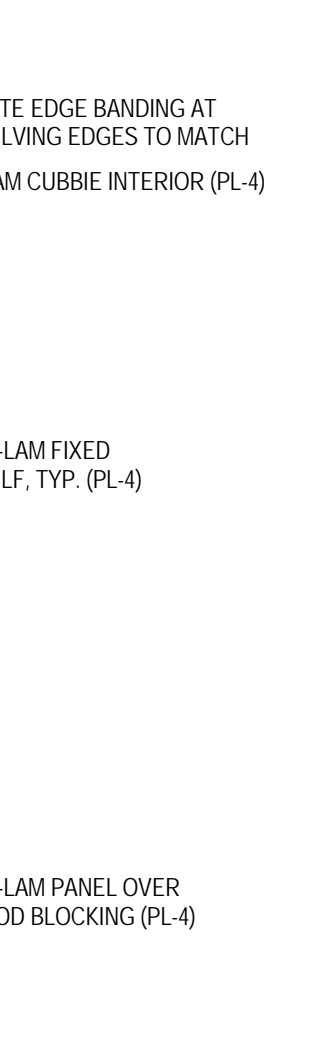
16 MILLWORK ELEVATION - BOOKSTORE 1000 DISPLAY CASE WEST
 1/2" = 1'-0"



17 ENLARGED PLAN - MILLWORK - BOOKSTORE 1000 CUBBIES
 1/2" = 1'-0"



18 MILLWORK ELEVATION - BOOKSTORE 1000 CUBBIES
 1/2" = 1'-0"



19 MILLWORK SECTION - BOOKSTORE 1000 CUBBIES
 1" = 1'-0"

KEY PLAN:

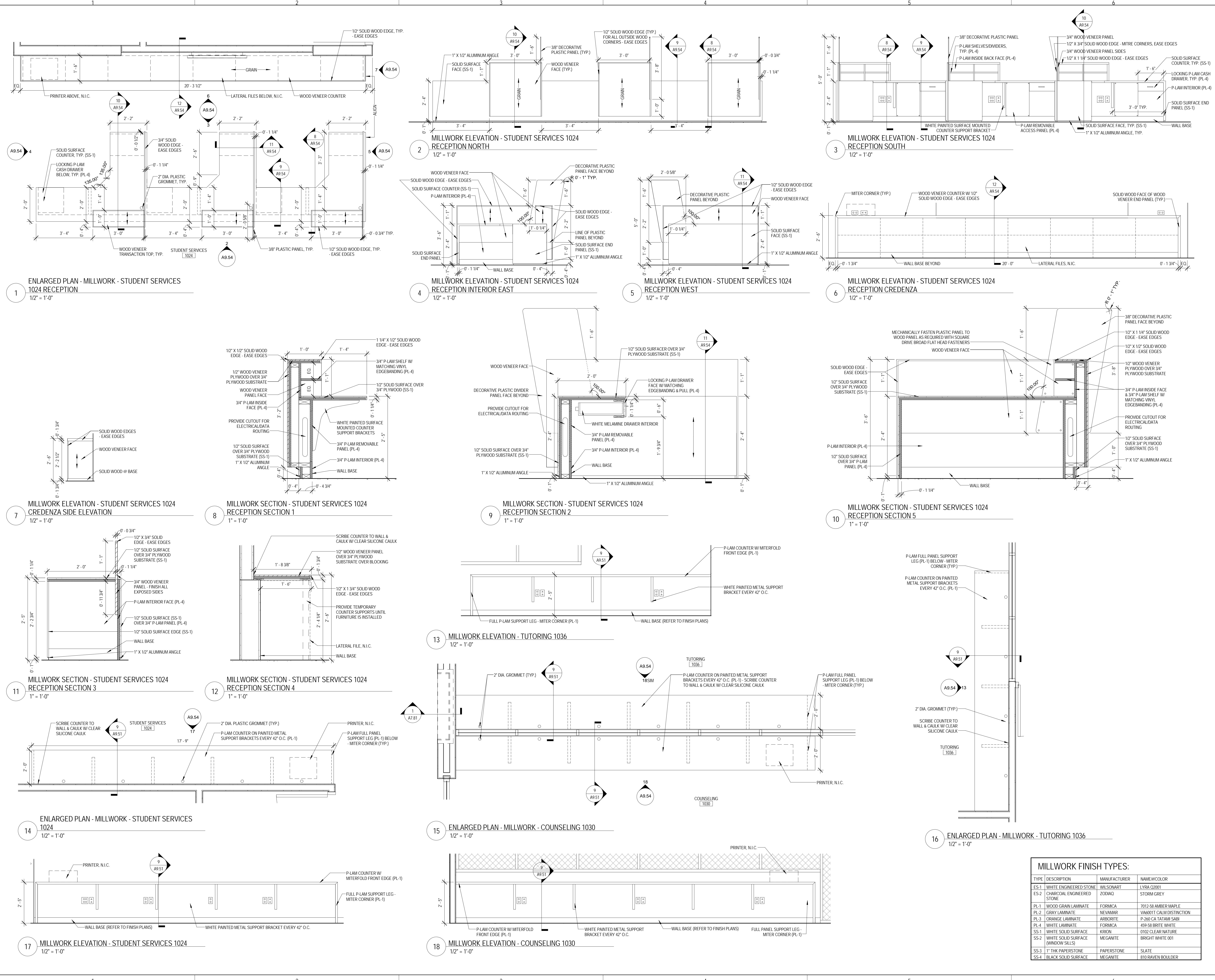
SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
MILLWORK DETAILS

SHEET NUMBER:
A9.53

NO.	DESCRIPTION	DATE



MILLWORK FINISH TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
ES-1	WHITE ENGINEERED STONE	WILSONART	LYRA G2001
ES-2	CHARCOAL ENGINEERED STONE	ZODIAC	STORM GREY
PL-1	WOOD GRAIN LAMINATE	FORMICA	7012-SB AMBER MAPLE
PL-2	GRAY LAMINATE	NEVAMAR	VA6001T CALM DISTINCTION
PL-3	ORANGE LAMINATE	ARBORITE	P-260 CA TATAMI SABI
PL-4	WHITE LAMINATE	FORMICA	459-SB BRITE WHITE
SS-1	WHITE SOLID SURFACE	KRION	0102-CLEAR NATURE
SS-2	WHITE SOLID SURFACE (WINDOW SILLS)	MEGANITE	BRIGHT WHITE 001
SS-3	1" THK PAPERSTONE	PAPERSTONE	SLATE
SS-4	BLACK SOLID SURFACE	MEGANITE	810 RAVEN BOULDER

KEY PLAN:

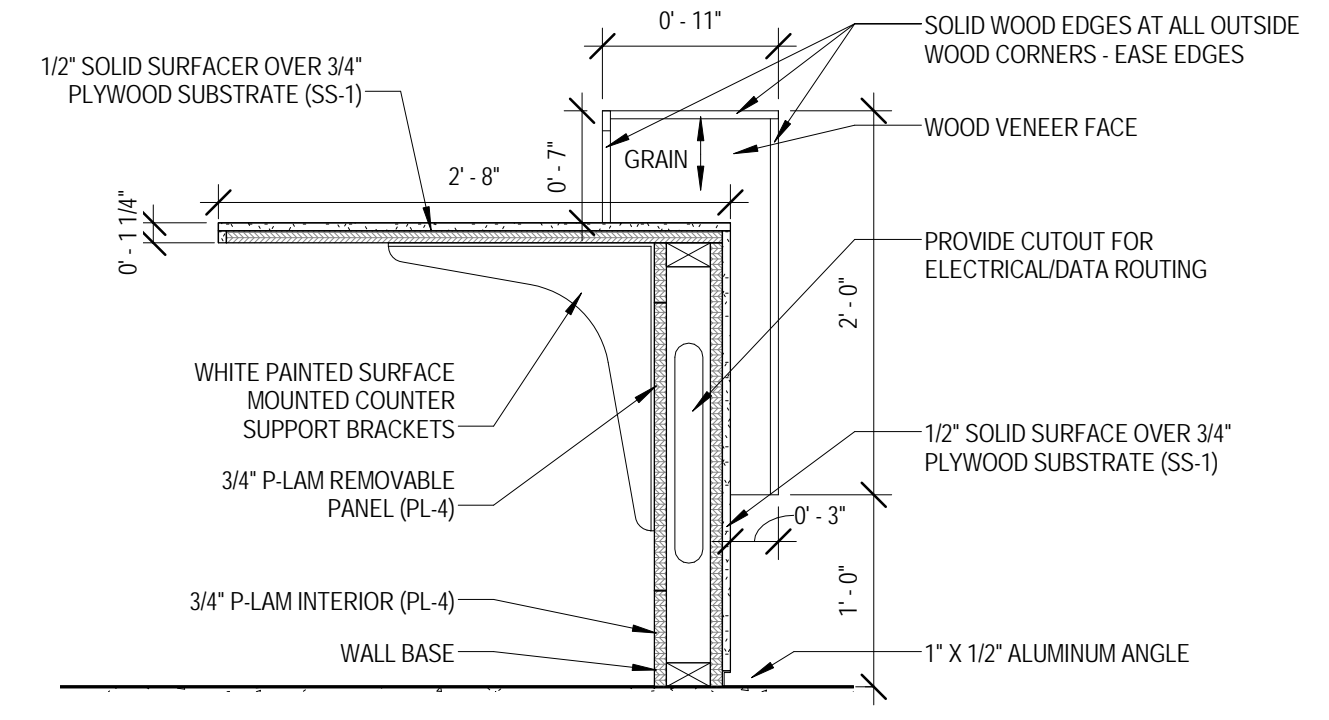
SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

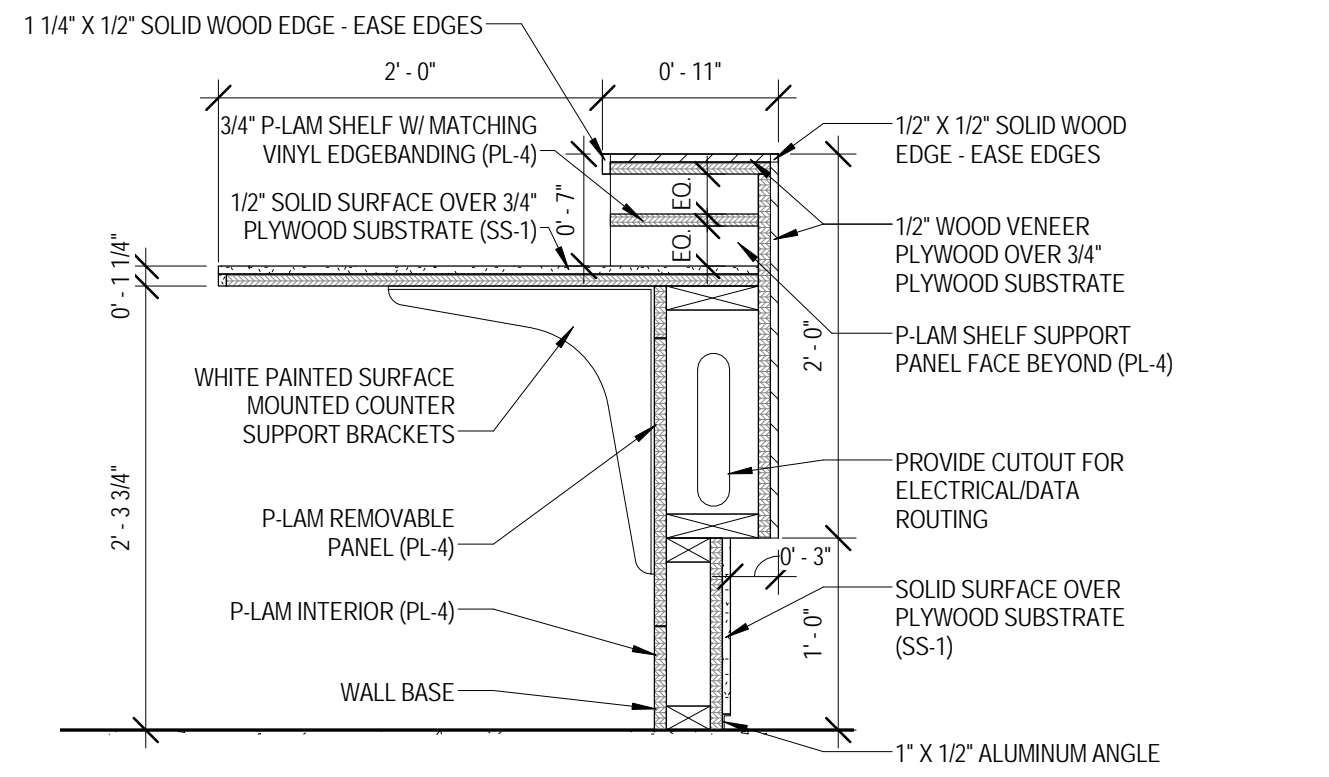
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MILLWORK DETAILS

SHEET NUMBER:

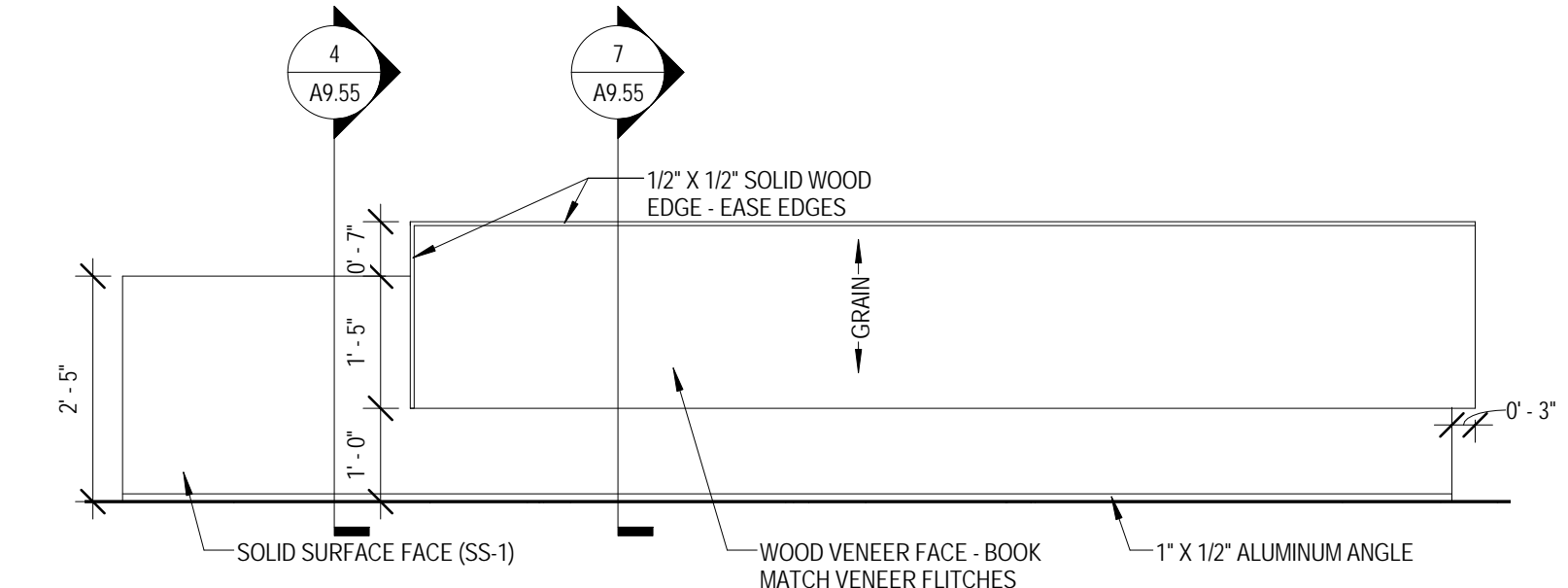
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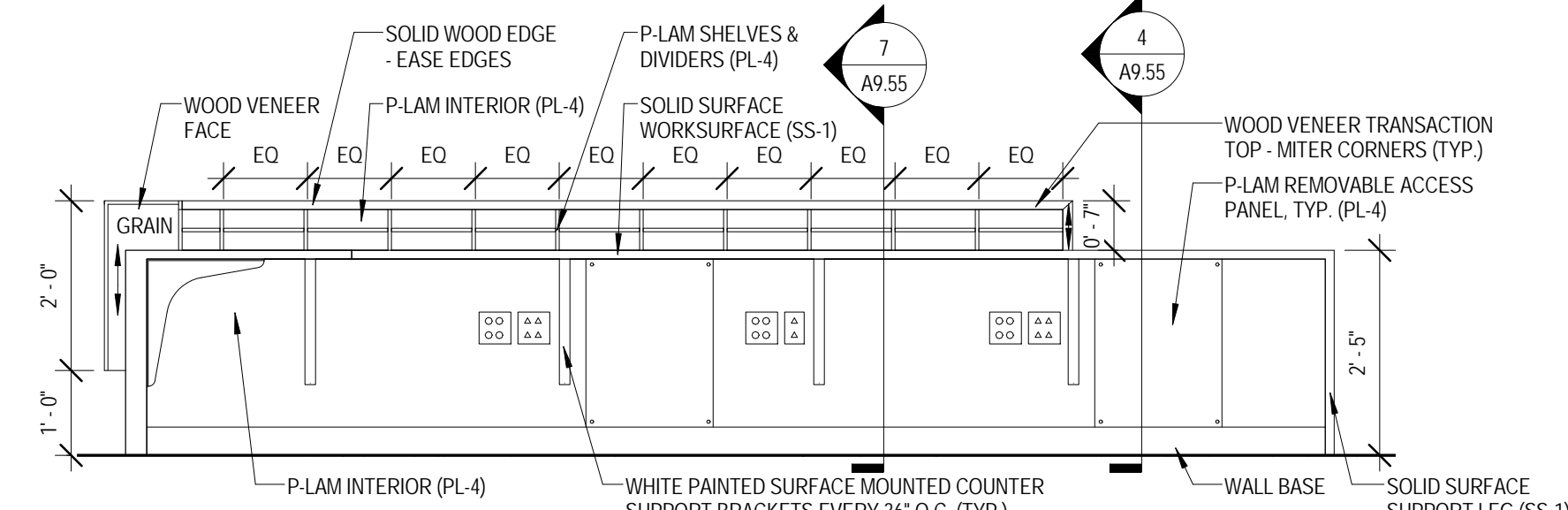
4 MILLWORK SECTION - TESTING CHECK-IN 1039 SECTION 1
 1" = 1'-0"



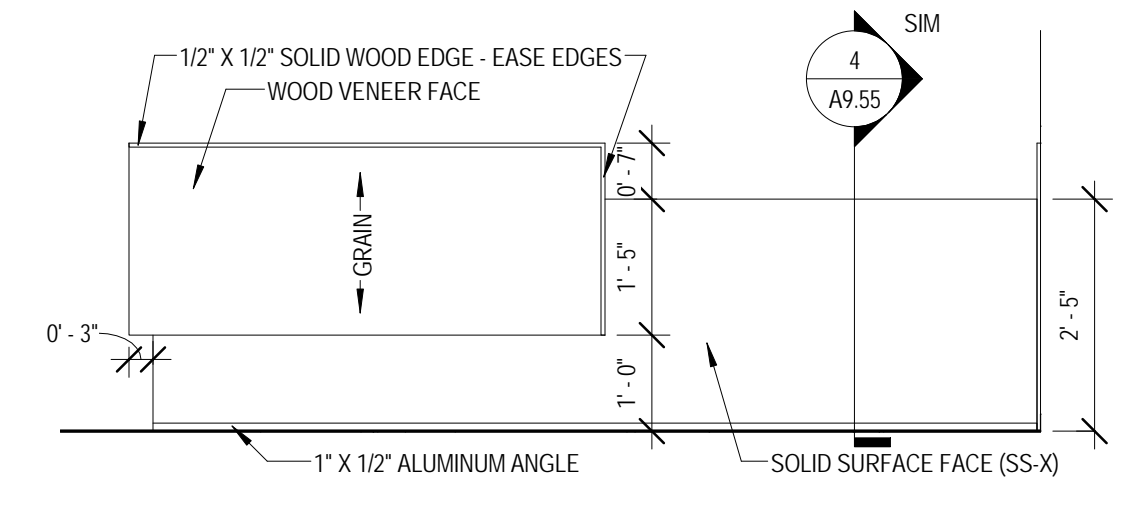
7 MILLWORK SECTION - TESTING CHECK-IN 1039 SECTION 2
 1" = 1'-0"



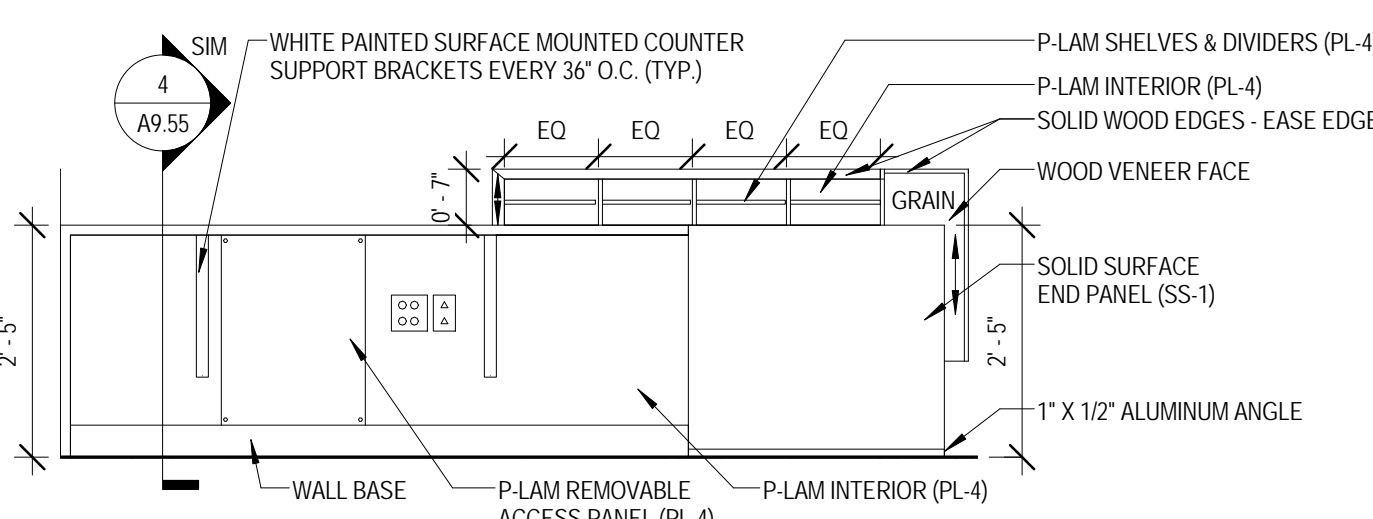
3 MILLWORK ELEVATION - TESTING CHECK-IN 1039 SOUTH
 1/2" = 1'-0"



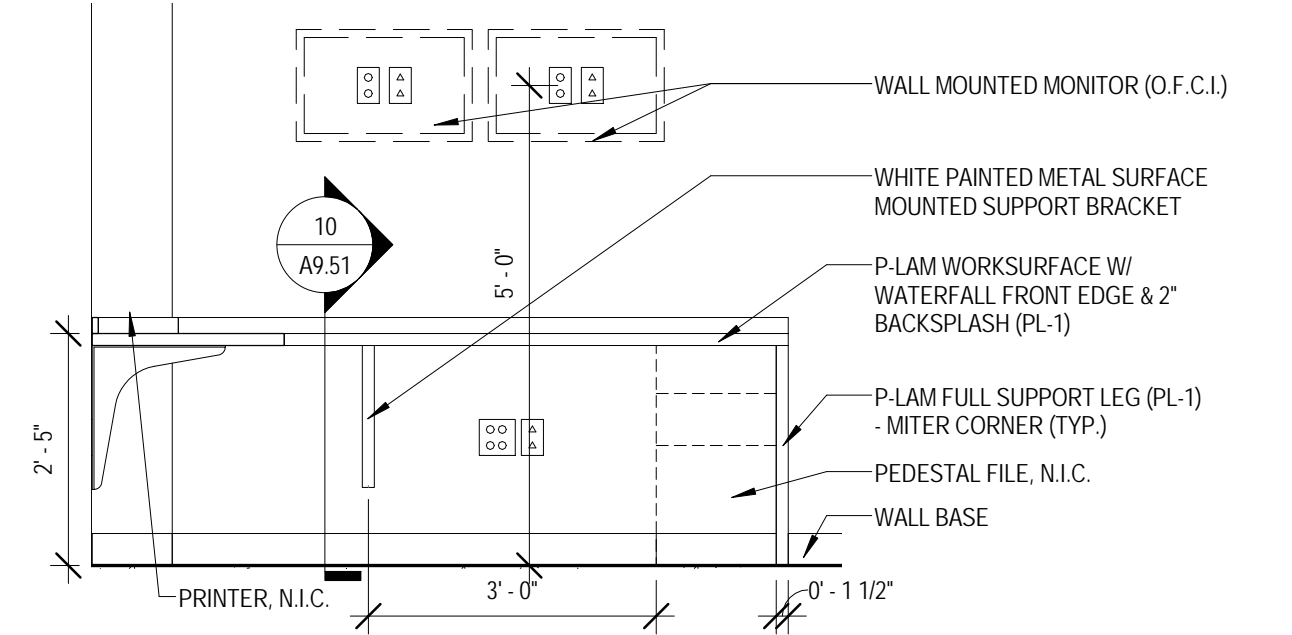
6 MILLWORK ELEVATION - TESTING CHECK-IN 1039 INTERIOR NORTH
 1/2" = 1'-0"



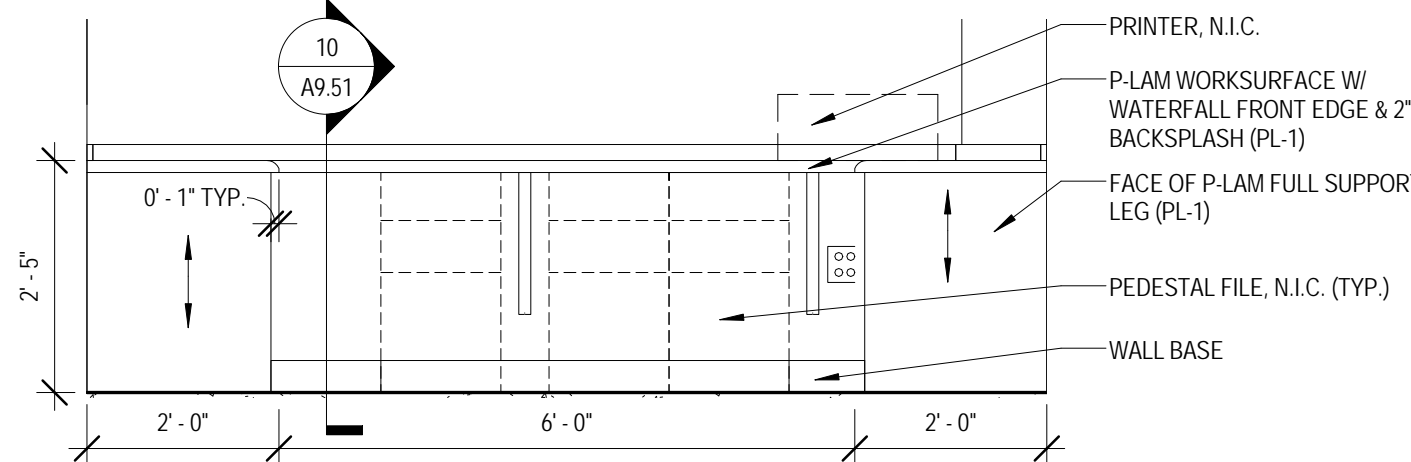
2 MILLWORK ELEVATION - TESTING CHECK-IN EAST
 1/2" = 1'-0"



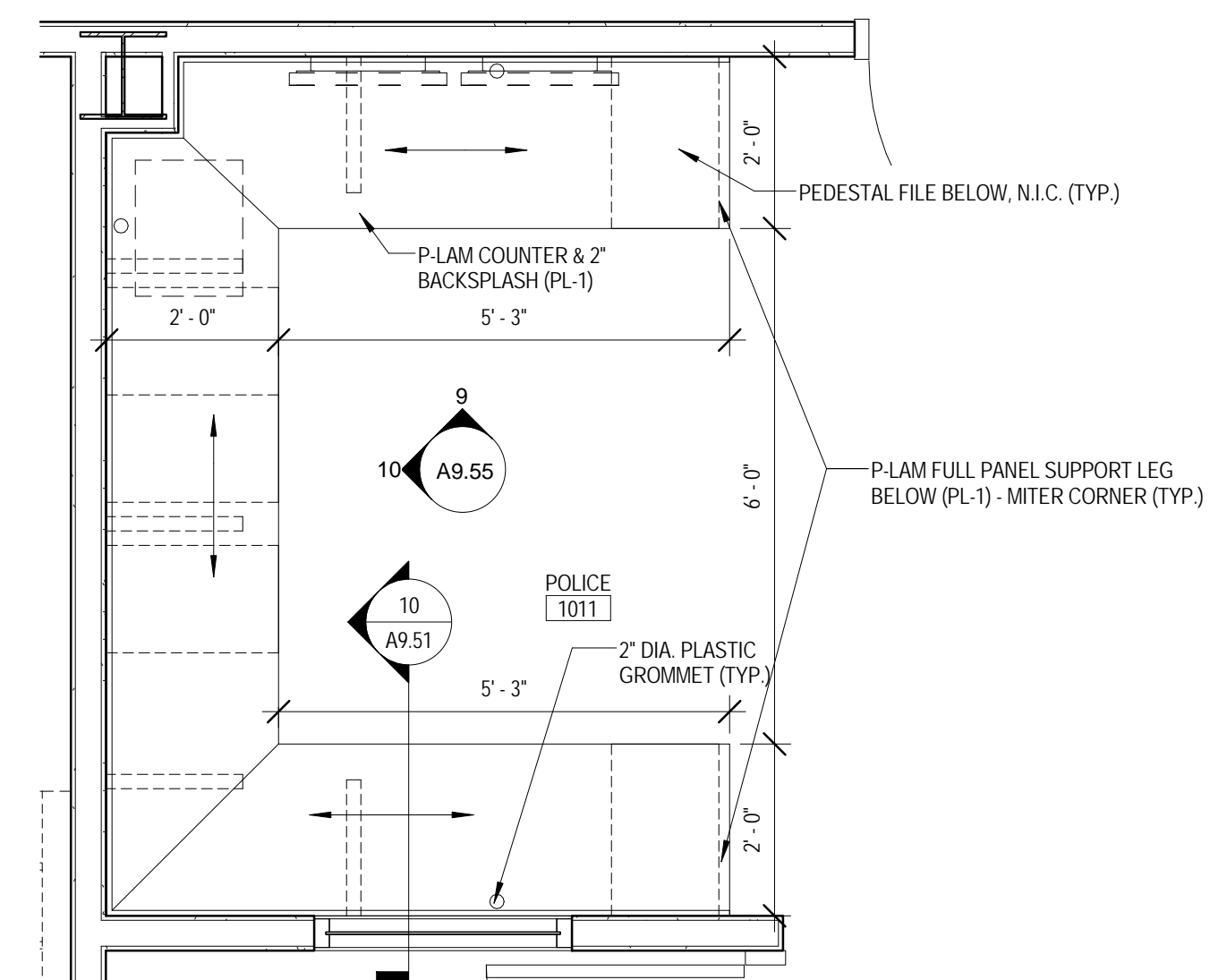
5 MILLWORK ELEVATION - TESTING CHECK-IN 1039 WEST
 1/2" = 1'-0"



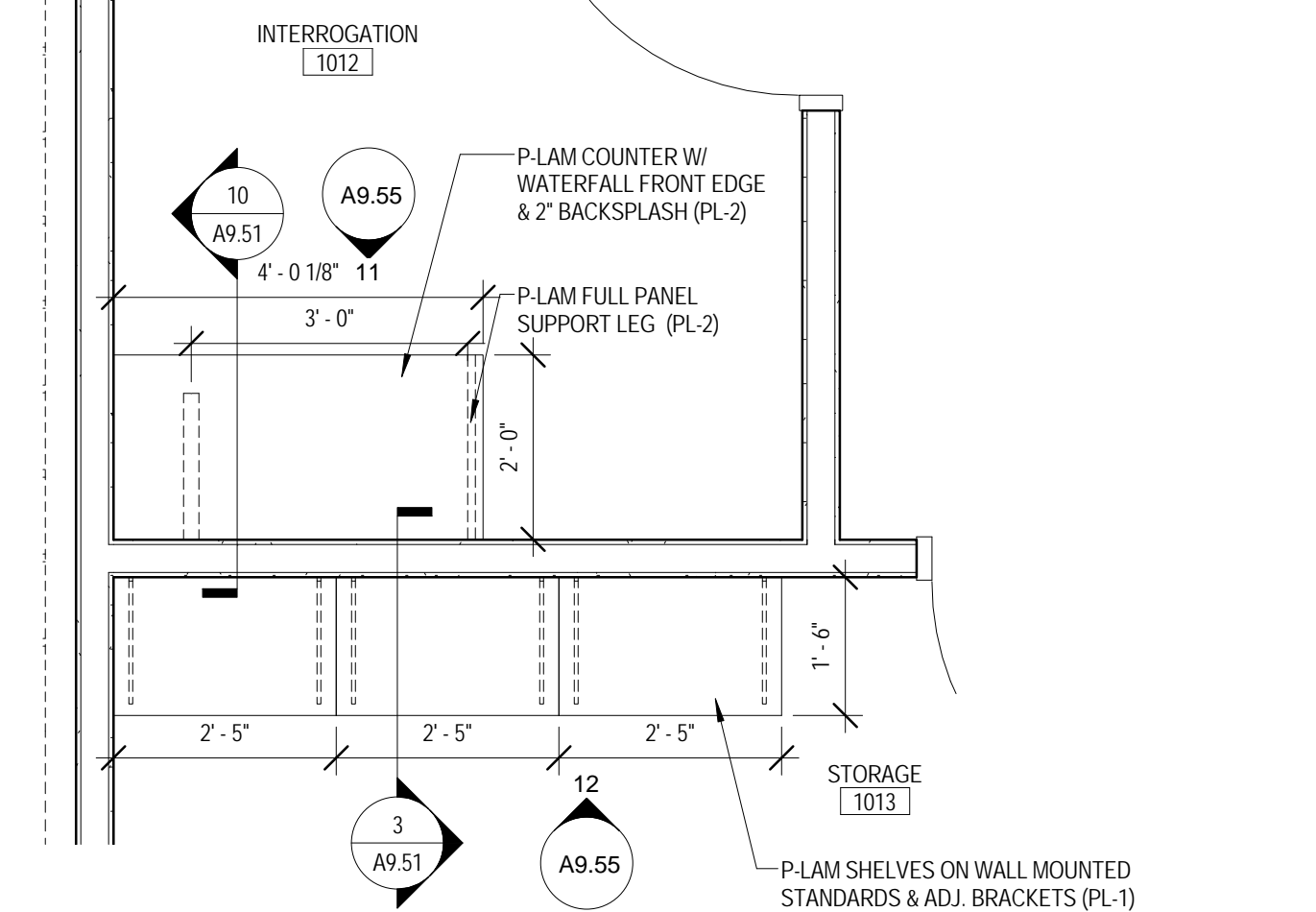
9 MILLWORK ELEVATION - POLICE 1011 NORTH
 1/2" = 1'-0"



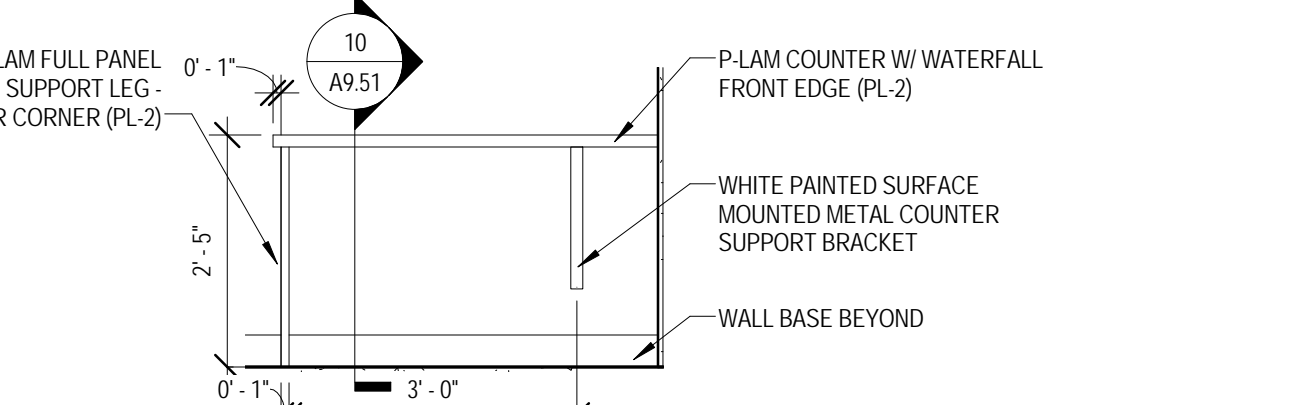
10 MILLWORK ELEVATION - POLICE 1011 WEST
 1/2" = 1'-0"



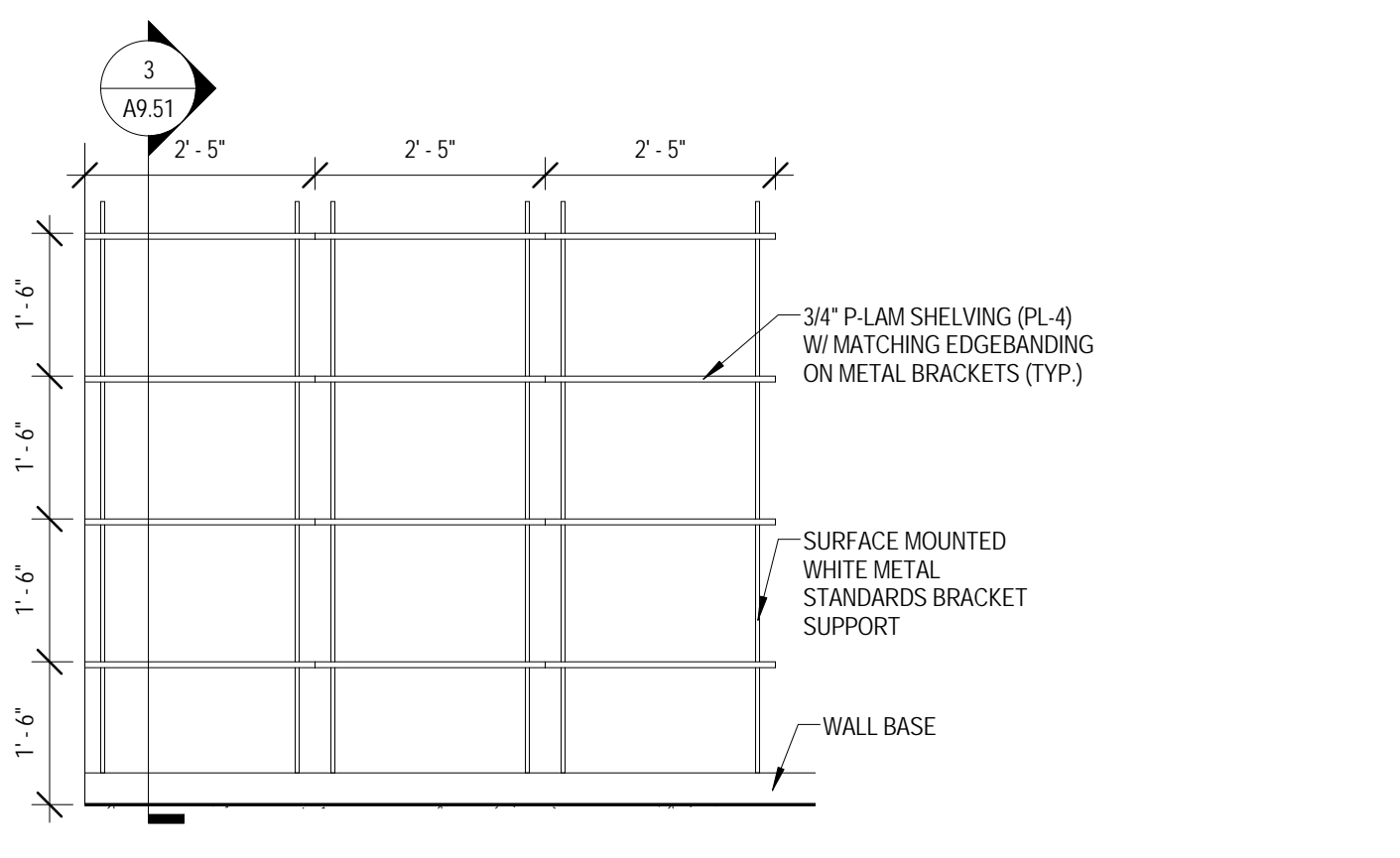
1 ENLARGED PLAN - MILLWORK - TESTING CHECK-IN 1039
 1/2" = 1'-0"



8 ENLARGED PLAN - MILLWORK - POLICE 1011
 1/2" = 1'-0"



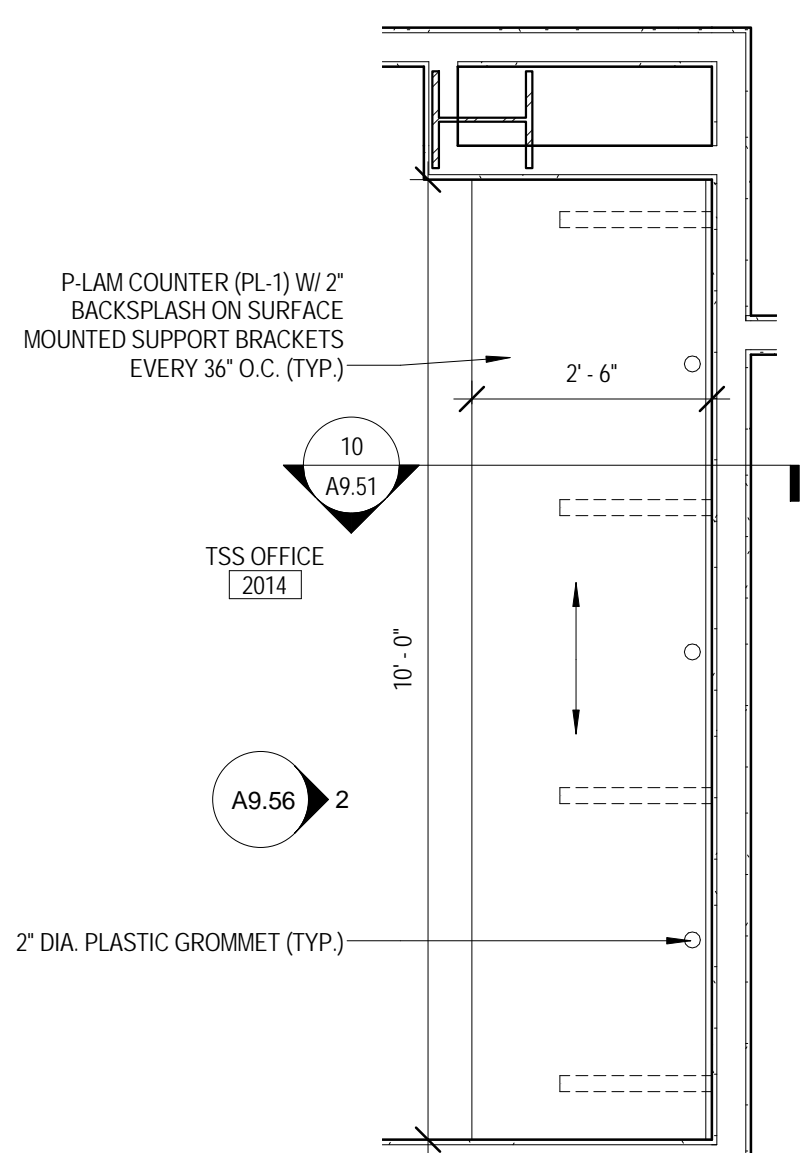
11 MILLWORK ELEVATION - INTERROGATION 1012 SOUTH
 1/2" = 1'-0"



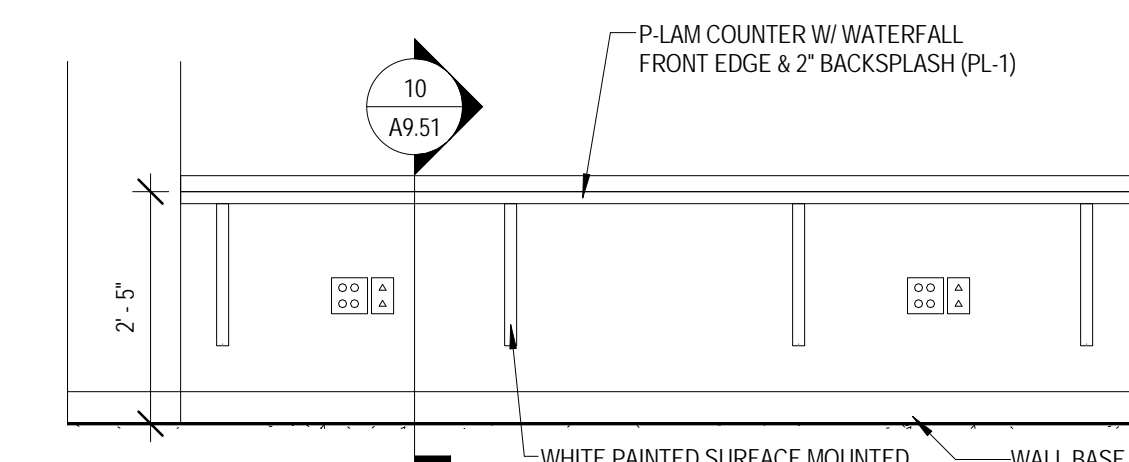
12 MILLWORK ELEVATION - STORAGE 1013 NORTH
 1/2" = 1'-0"

MILLWORK FINISH TYPES:			
TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
ES-1	WHITE ENGINEERED STONE	WILSONART	LYRA C2001
ES-2	CHARCOAL ENGINEERED STONE	ZODIAC	STORM GREY
PL-1	WOOD GRAIN LAMINATE	FORMICA	7012-58 AMBER MAPLE
PL-2	GRAY LAMINATE	NEVAVAR	VAG0017 CALM DISTINCTION
PL-3	ORANGE LAMINATE	ARBORITE	P-260 CA TATAMI SABI
PL-4	WHITE LAMINATE	FORMICA	455-58 BRITTE WHITE
SS-1	WHITE SOLID SURFACE	KRION	0102 CLEAR NATURE
SS-2	WHITE SOLID SURFACE (WINDOW SILLS)	MEGANITE	BRIGHT WHITE 001
SS-3	1" THK PAPERSTONE	PAPERSTONE	SLATE
SS-4	BLACK SOLID SURFACE	MEGANITE	810 RAVEN BOULDER

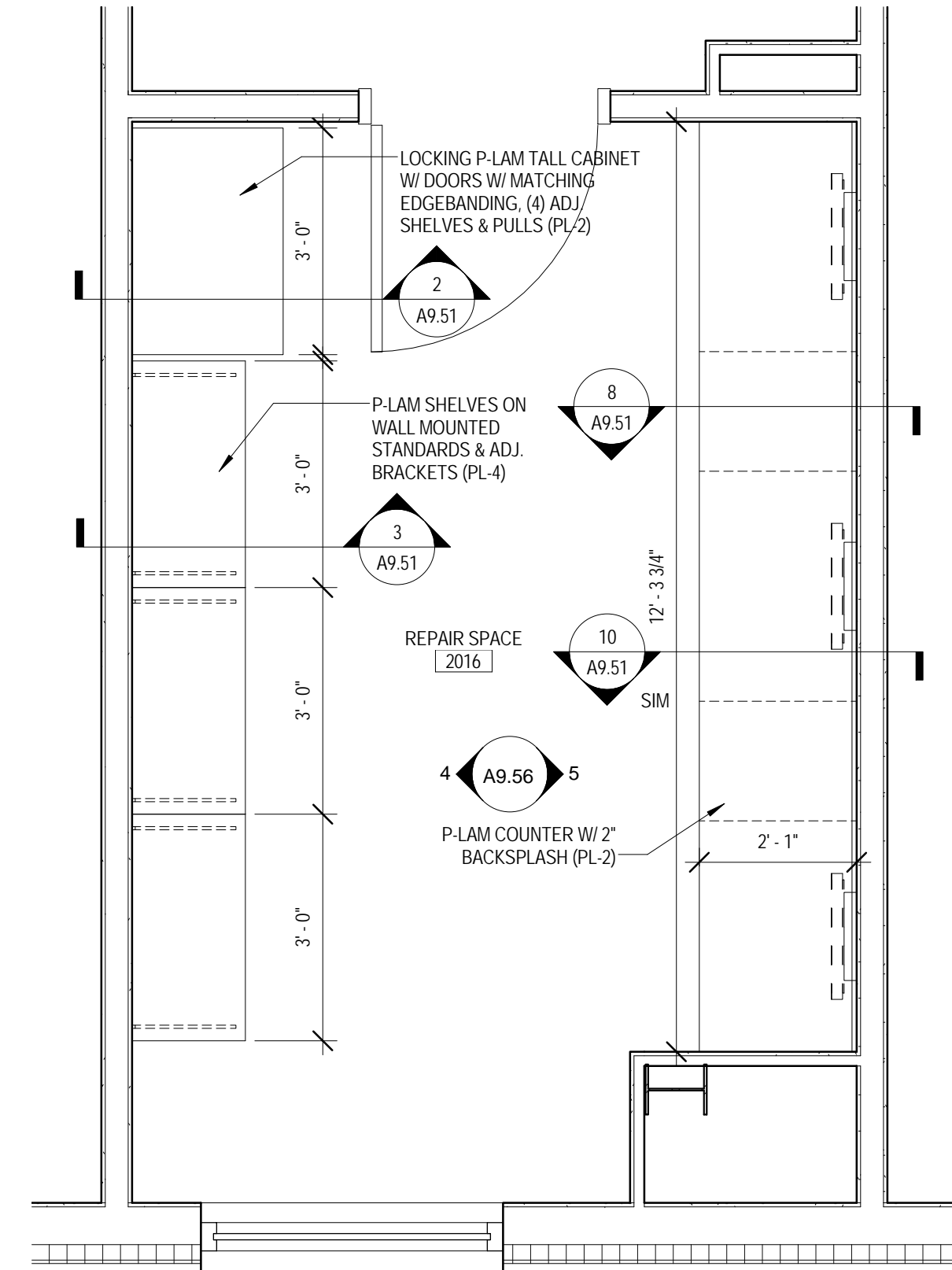
MILLWORK FINISH TYPES:			
TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
ES-1	WHITE ENGINEERED STONE	WILSONART	LYRA Q201
ES-2	CHARCOAL ENGINEERED STONE	ZODIAC	STORM GREY
PL-1	WOOD GRAIN LAMINATE	FORMICA	7012-SB AMBER MAPLE
PL-2	GRAY LAMINATE	NEVAMAR	V66001T CALM DISTINCTION
PL-3	ORANGE LAMINATE	ARBORITE	P-260 CA TATAMI SABI
PL-4	WHITE LAMINATE	FORMICA	459-SB BRITTE WHITE
SS-1	WHITE SOLID SURFACE	KRION	0102 CLEAR NATURE
SS-2	WHITE SOLID SURFACE (WINDOW SILLS)	MEGANITE	BRIGHT WHITE 001
SS-3	1" THK PAPERSTONE	PAPERSTONE	SLATE
SS-4	BLACK SOLID SURFACE	MEGANITE	810 RAVEN BOULDER



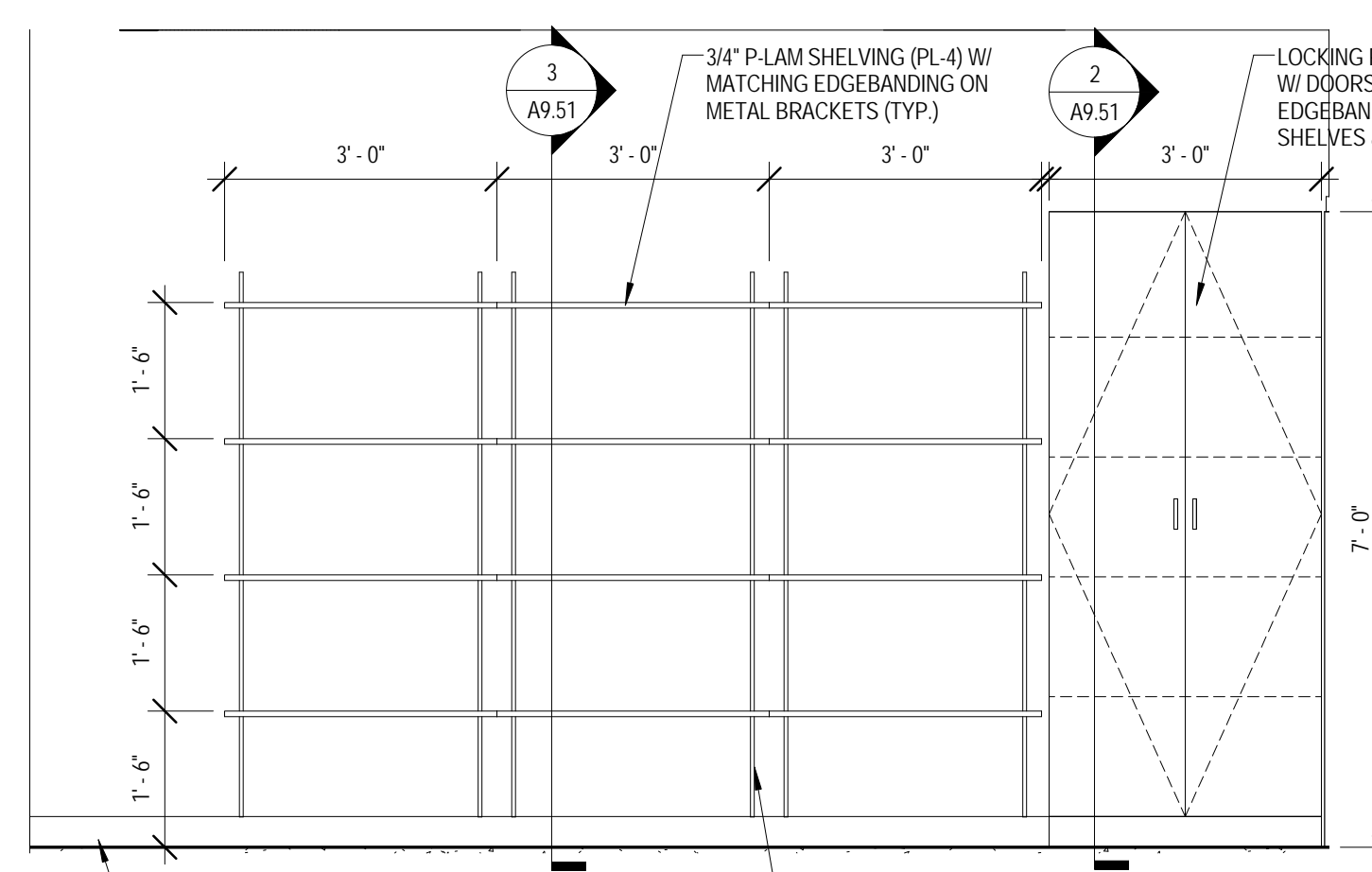
1 ENLARGED PLAN - MILLWORK - TSS OFFICE 2014
 1/2" = 1'-0"



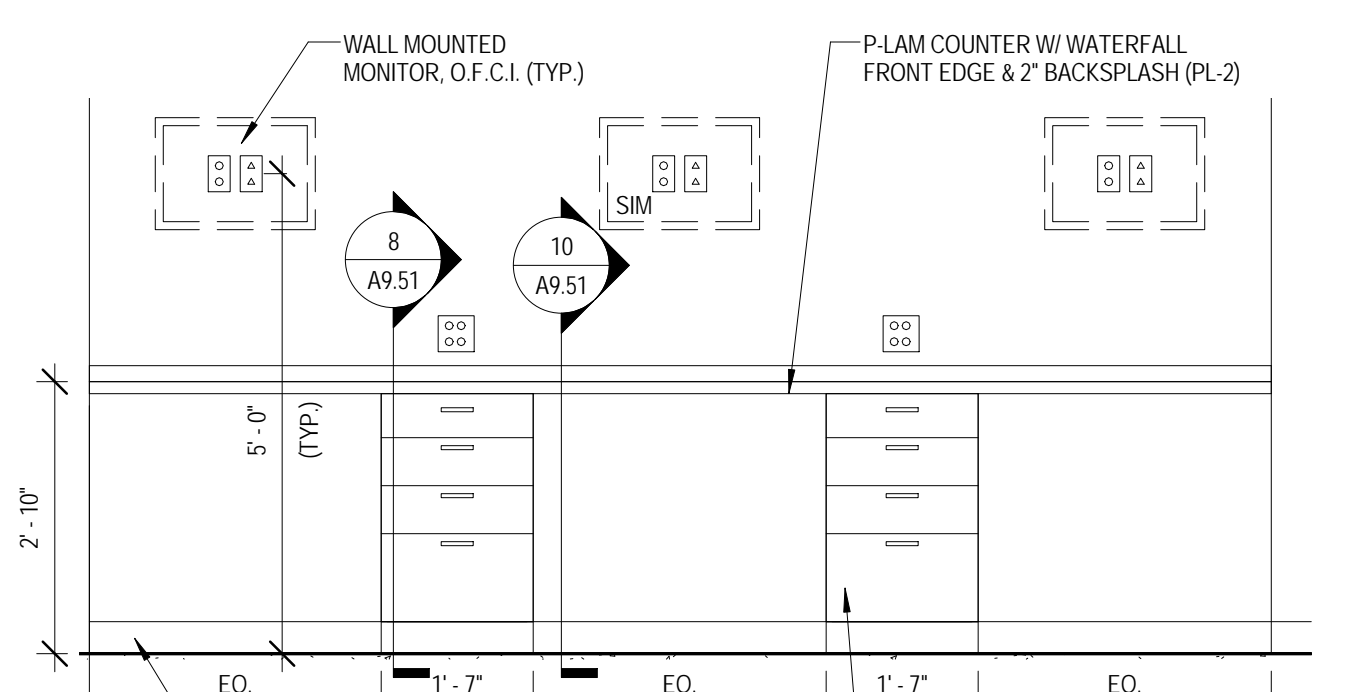
2 MILLWORK ELEVATION - TSS OFFICE 2014
 1/2" = 1'-0"



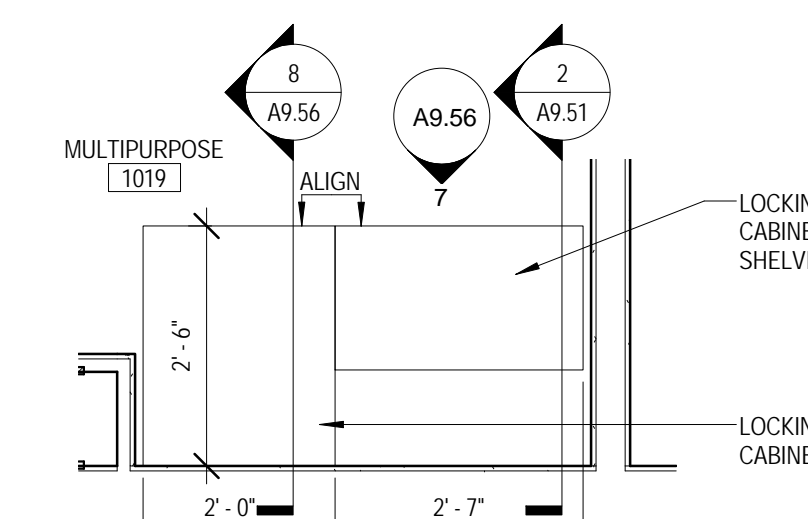
3 ENLARGED PLAN - MILLWORK - REPAIR SPACE 2016
 1/2" = 1'-0"



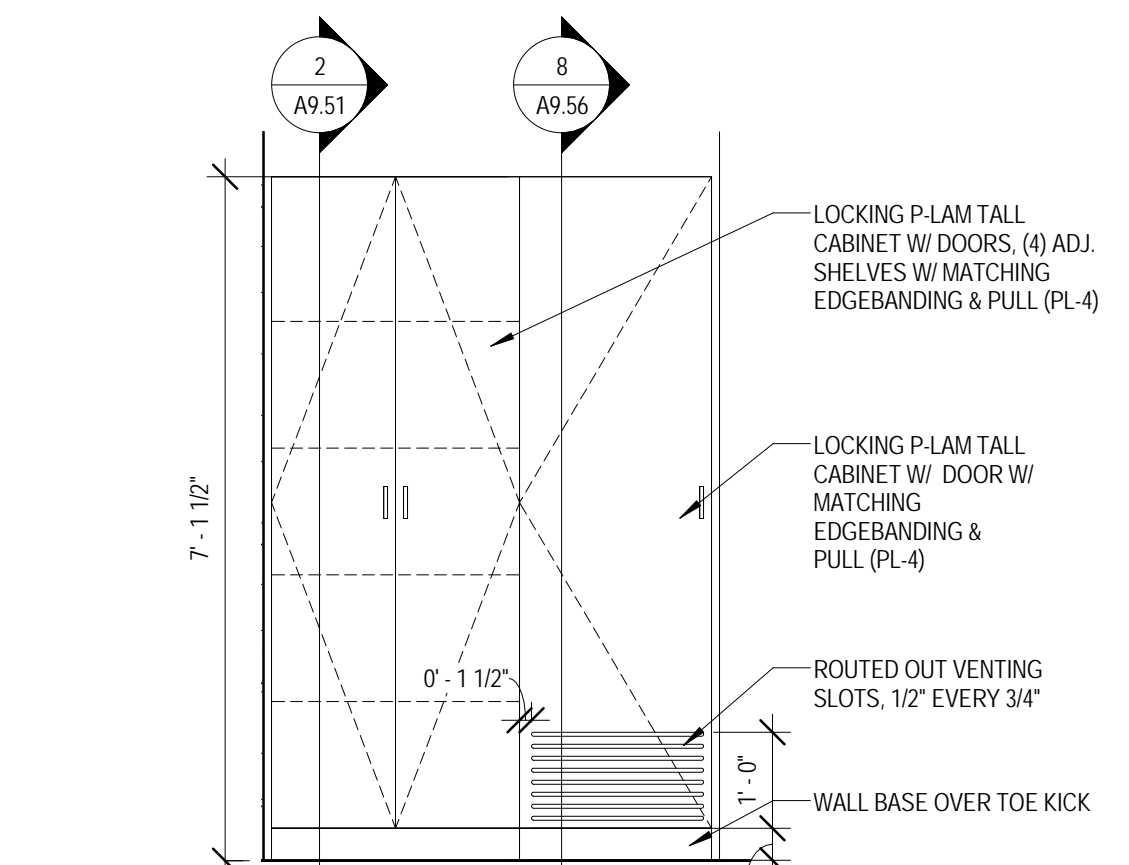
4 MILLWORK ELEVATION - REPAIR SPACE 2016 - SOUTH
 1/2" = 1'-0"



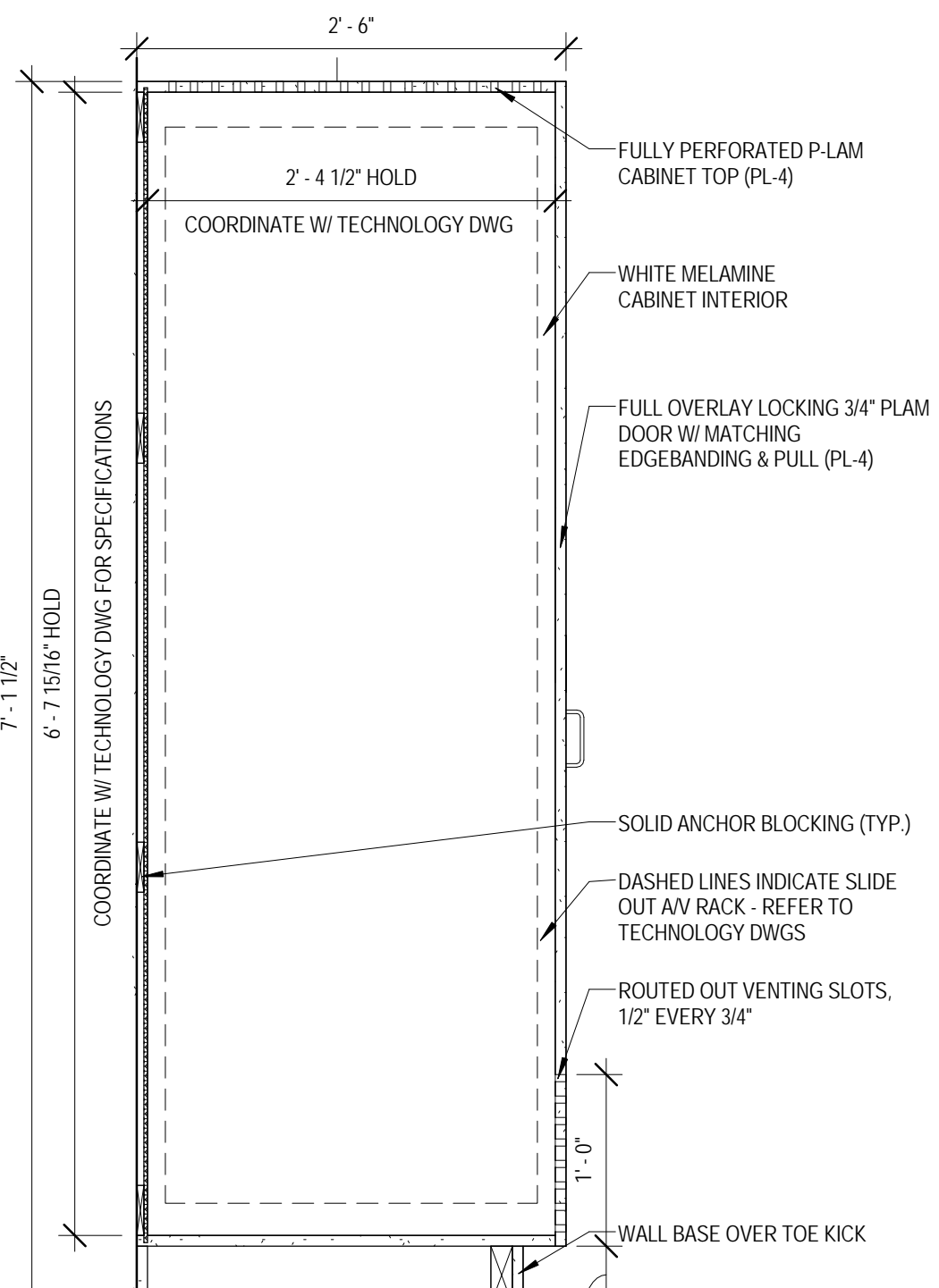
5 MILLWORK ELEVATION - REPAIR SPACE 2016 - NORTH
 1/2" = 1'-0"



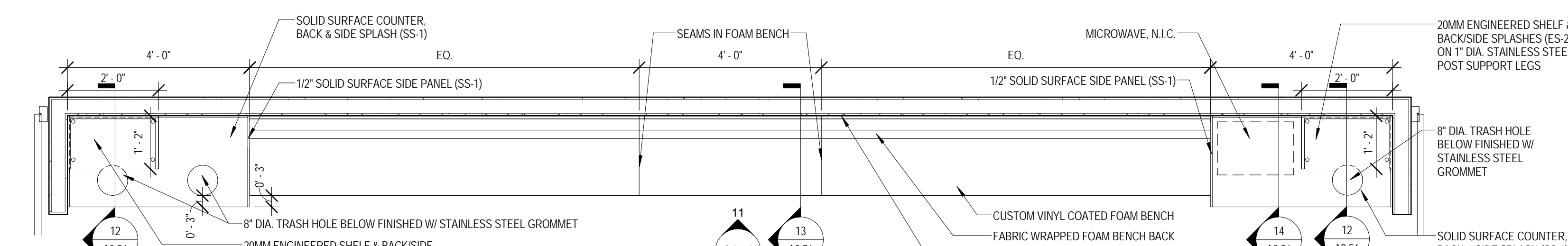
6 ENLARGED PLAN - MILLWORK - MULTIPURPOSE 1019
 1/2" = 1'-0"



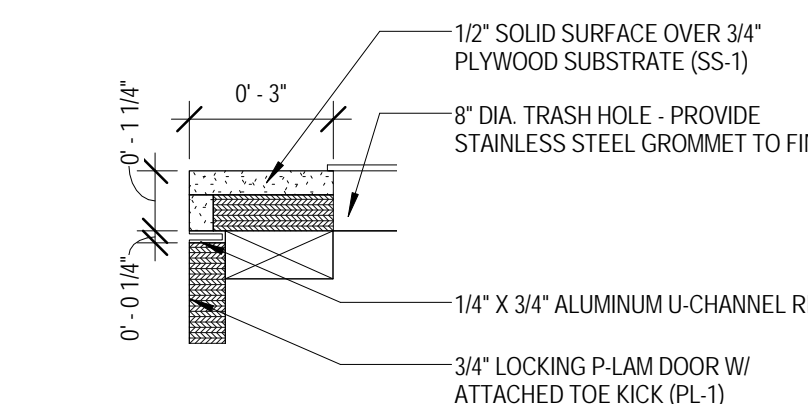
7 MILLWORK ELEVATION - MULTIPURPOSE 1019
 1/2" = 1'-0"



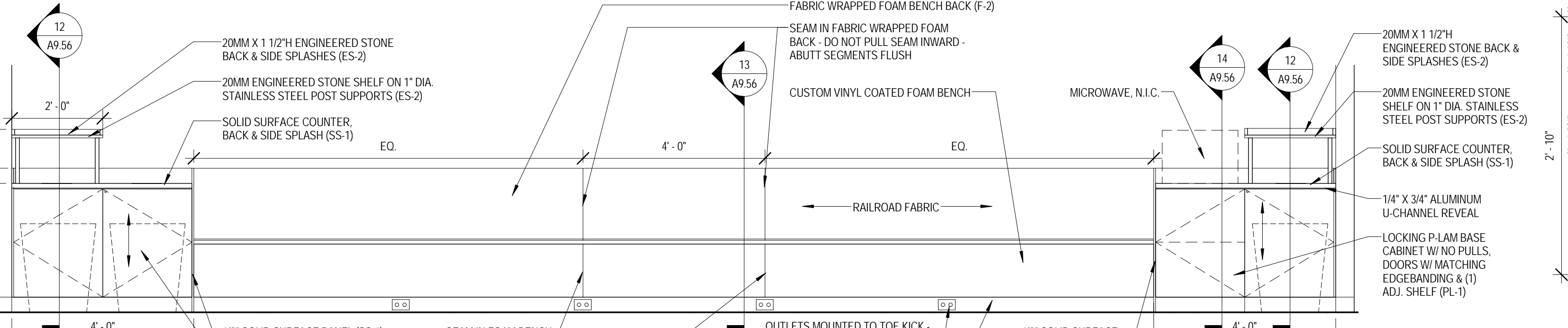
8 MILLWORK SECTION - MULTIPURPOSE 1019
 1" = 1'-0"



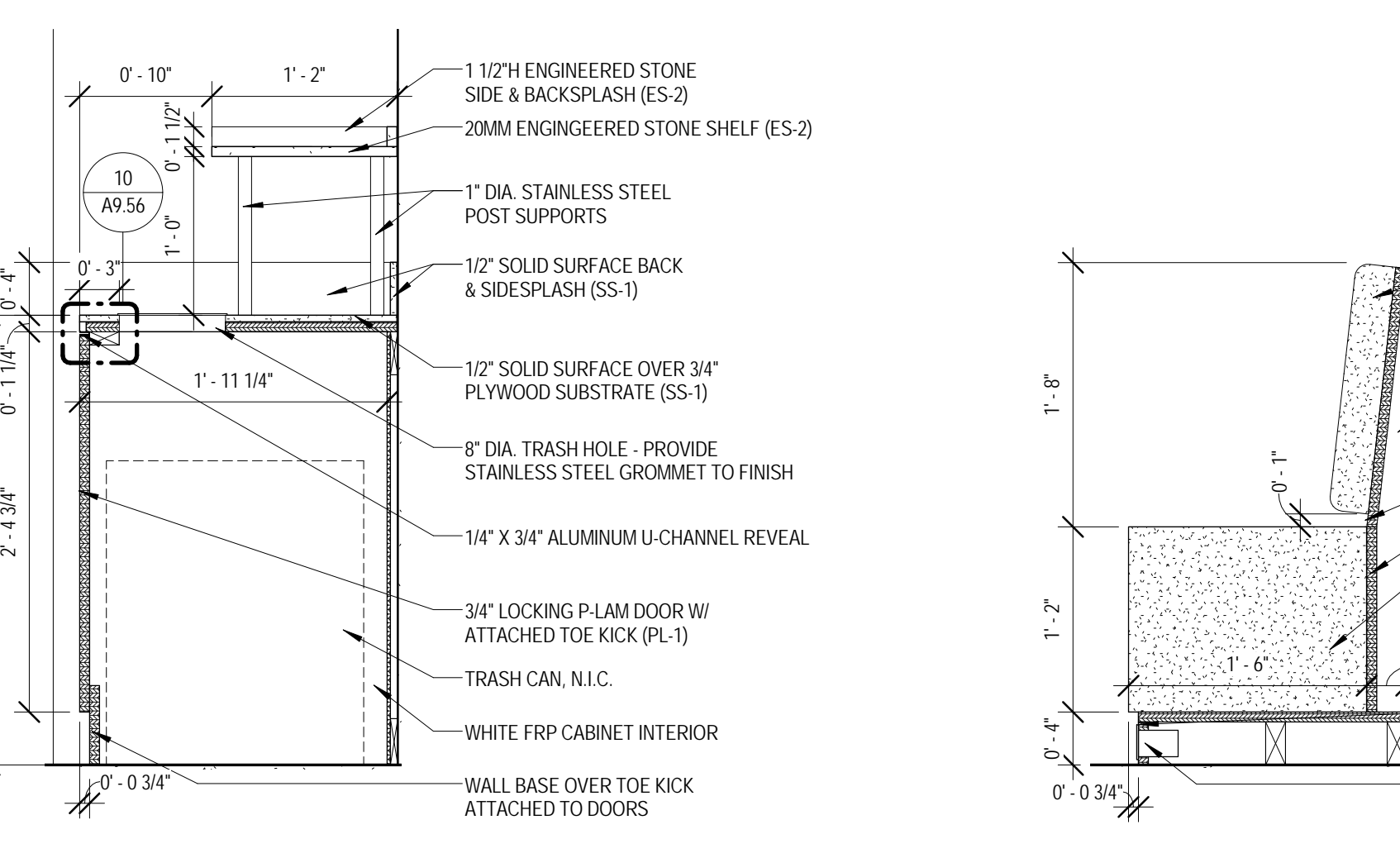
9 ENLARGED PLAN - MILLWORK - DINING 1018
 1/2" = 1'-0"



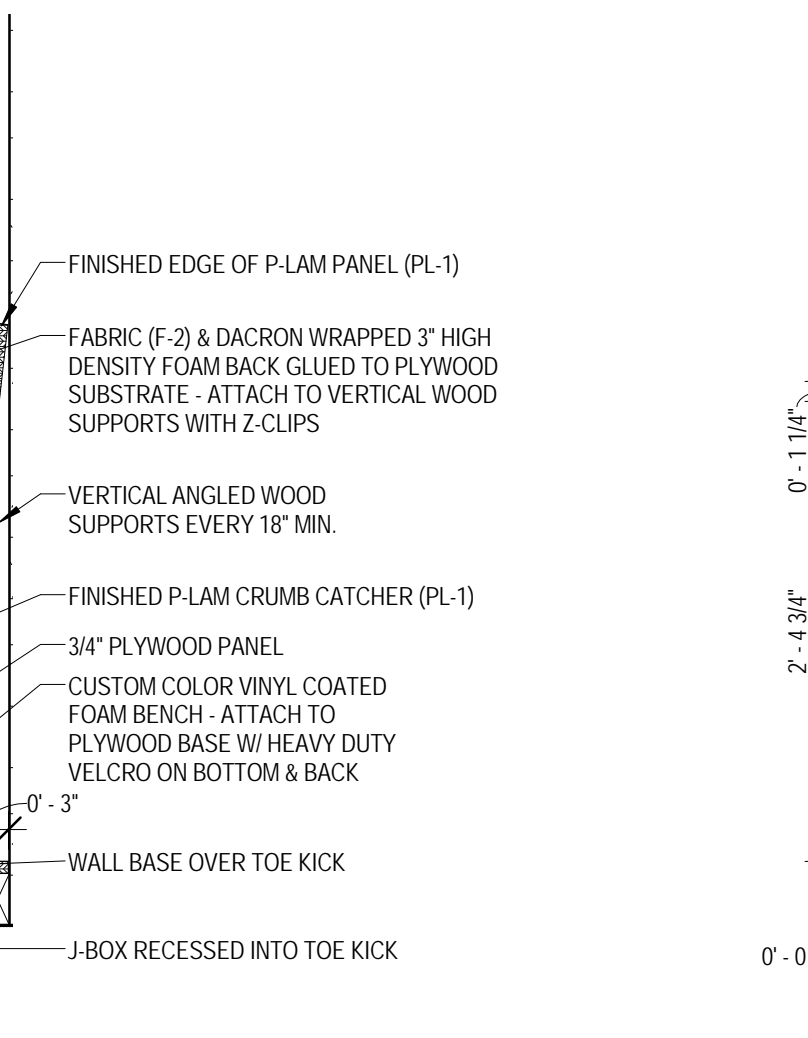
10 MILLWORK SECTION DETAIL - DINING 1018
 3" = 1'-0"



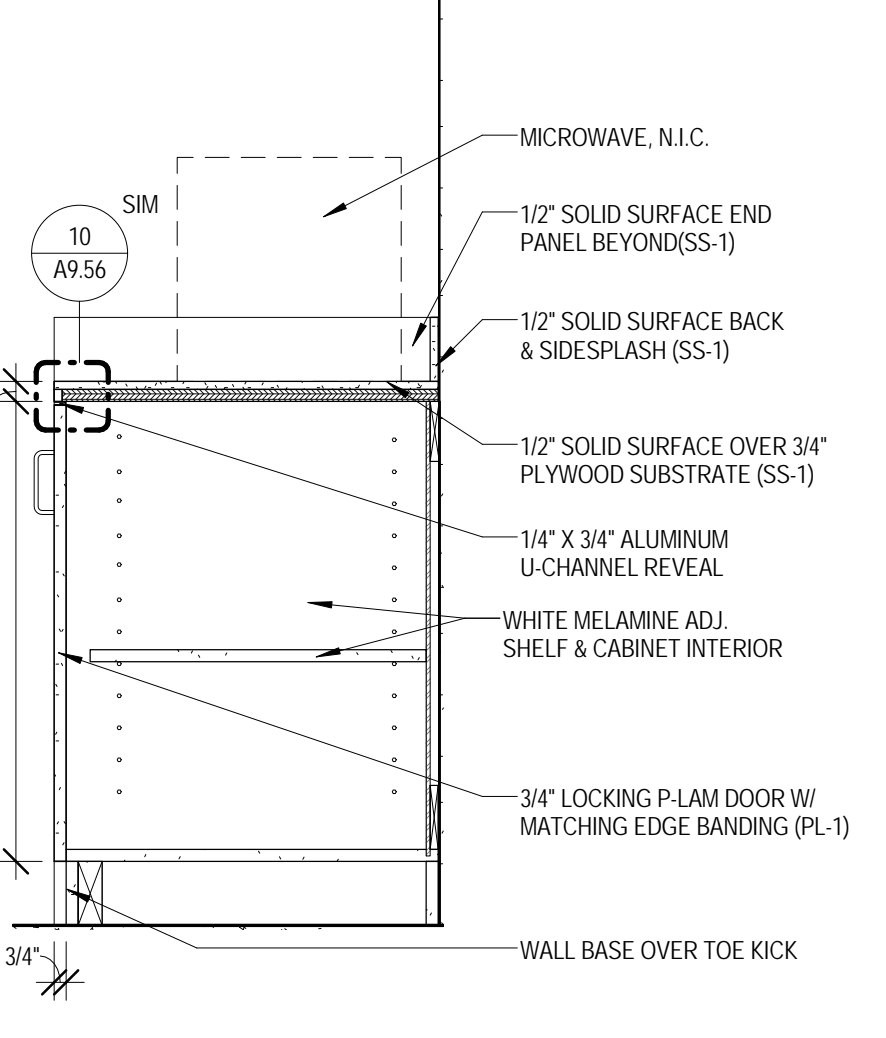
11 MILLWORK ELEVATION - DINING 1018
 1/2" = 1'-0"



12 MILLWORK SECTION - DINING 1018 A
 1" = 1'-0"



13 MILLWORK SECTION - DINING 1018 B
 1" = 1'-0"



14 MILLWORK SECTION - DINING 1018 C
 1" = 1'-0"

NO.	DESCRIPTION:	DATE:



ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

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KJWW ENGINEERING CONSULTANTS
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FOOD SERVICE CONSULTANT
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 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
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CONSTRUCTION MANAGER
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

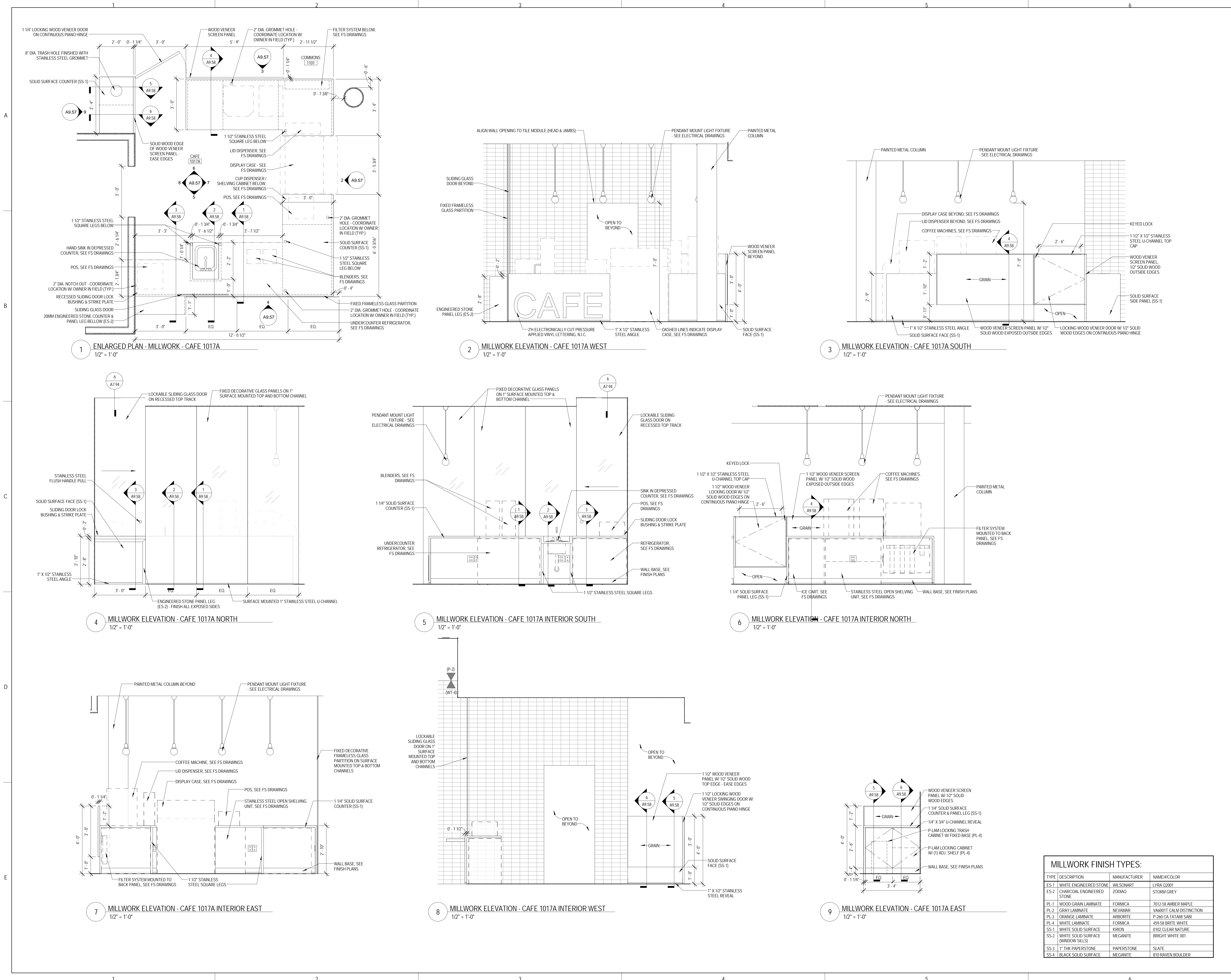
SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
MILLWORK DETAILS

SHEET NUMBER:

A9.57

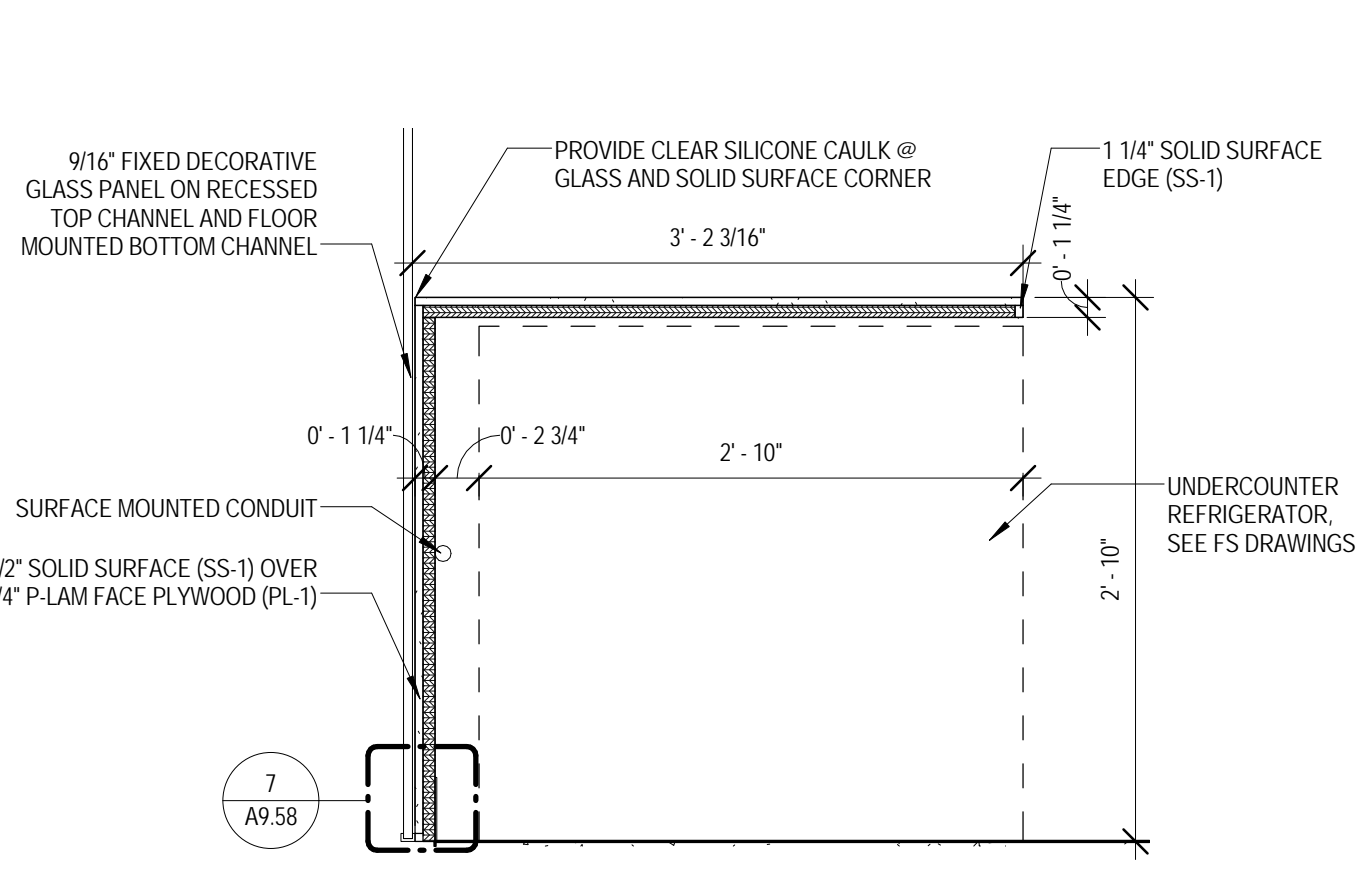


MILLWORK FINISH TYPES:

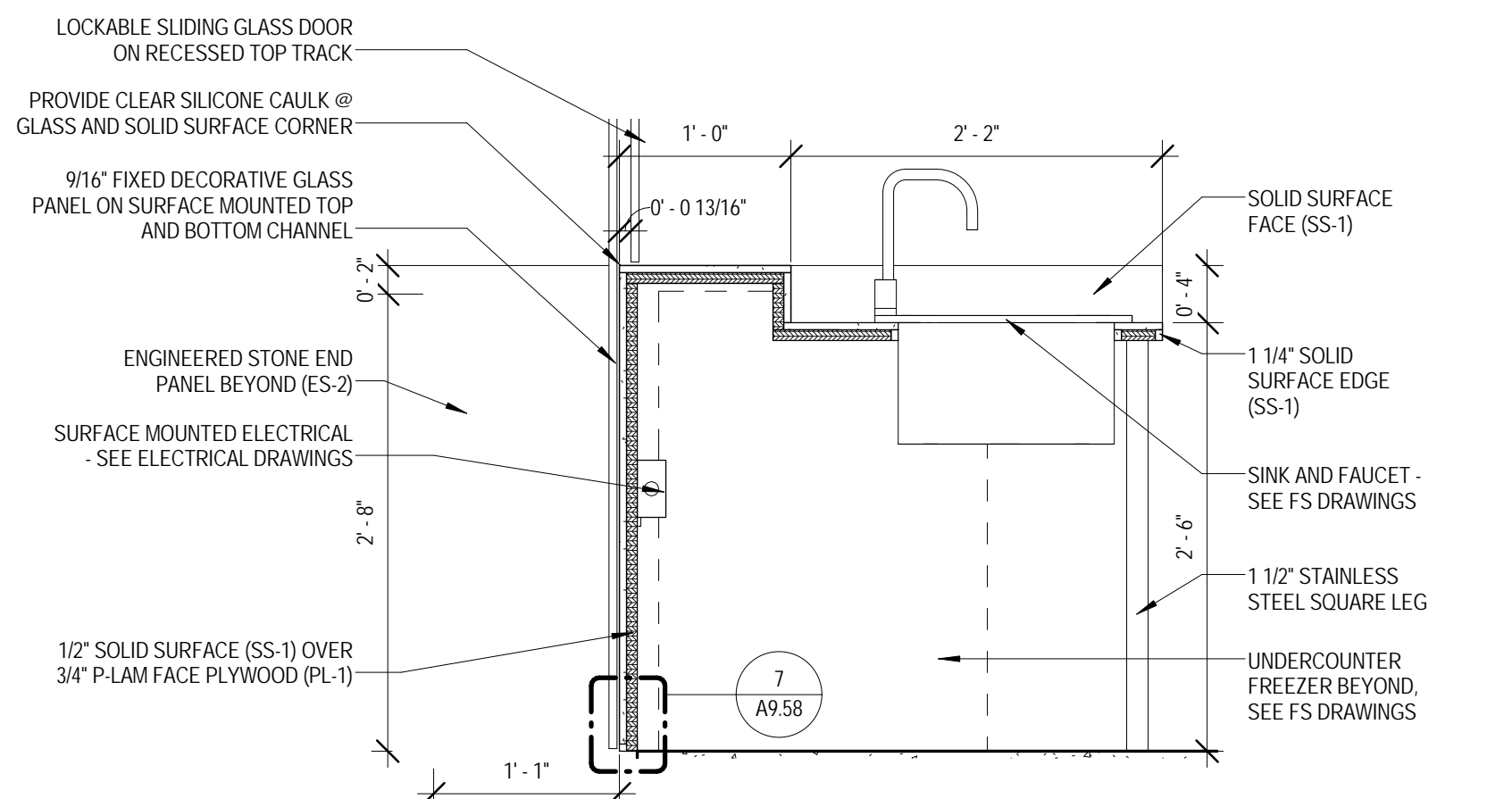
TYPE	DESCRIPTION	MANUFACTURER	NAME#/COLOR
ES-1	WHITE ENGINEERED STONE	WILSONART	LYRA Q2001
ES-2	CHARCOAL ENGINEERED STONE	ZODIAC	STORM GREY
PL-1	WOOD GRAIN LAMINATE	FORMICA	7012-58 AMBER MAPLE
PL-2	GRAY LAMINATE	NEVAMAR	V46001 CALM DISTINCTION
PL-3	ORANGE LAMINATE	ARBORITE	P-260 CA TATAMI SABI
PL-4	WHITE LAMINATE	FORMICA	459-58 BRITE WHITE
SS-1	WHITE SOLID SURFACE	KRION	0102 CLEAR NATURE
SS-2	WHITE SOLID SURFACE (WINDOW SILLS)	MEGANITE	BRIGHT WHITE 001
SS-3	1\"/>		
SS-4	BLACK SOLID SURFACE	MEGANITE	810 RAVEN BOULDER

NO.	DESCRIPTION:	DATE:

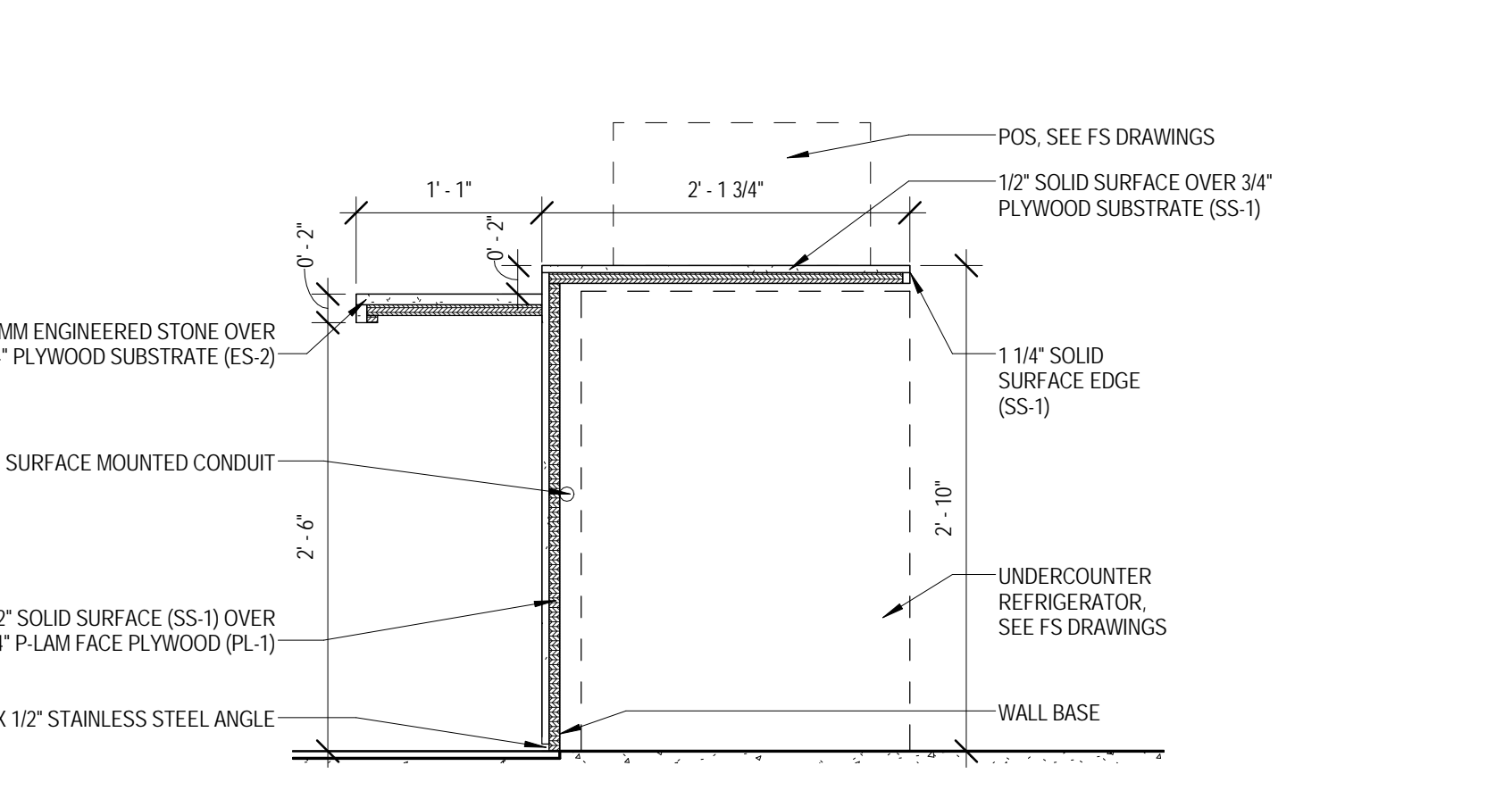
MILLWORK FINISH TYPES:		
TYPE	DESCRIPTION	MANUFACTURER NAME/COLOR
ES-1	WHITE ENGINEERED STONE	WILSONART LYRA C2001
ES-2	CHARCOAL ENGINEERED STONE	ZODIAC STORM GREY
PL-1	WOOD GRAIN LAMINATE	FORMICA 7012-SB AMBER MAPLE
PL-2	GRAY LAMINATE	NEVAMAR V6600IT CALM DISTINCTION
PL-3	ORANGE LAMINATE	ARBORITE P-260 CA TATAMI SABI
PL-4	WHITE LAMINATE	FORMICA 459-SB BRITE WHITE
SS-1	WHITE SOLID SURFACE	KRION D102 CLEAR NATURE
SS-2	WHITE SOLID SURFACE (WINDOW SILLS)	MEGANITE BRIGHT WHITE 001
SS-3	1" THK PAPERSTONE	PAPERSTONE SLATE
SS-4	BLACK SOLID SURFACE	MEGANITE 810 RAVEN BOULDER



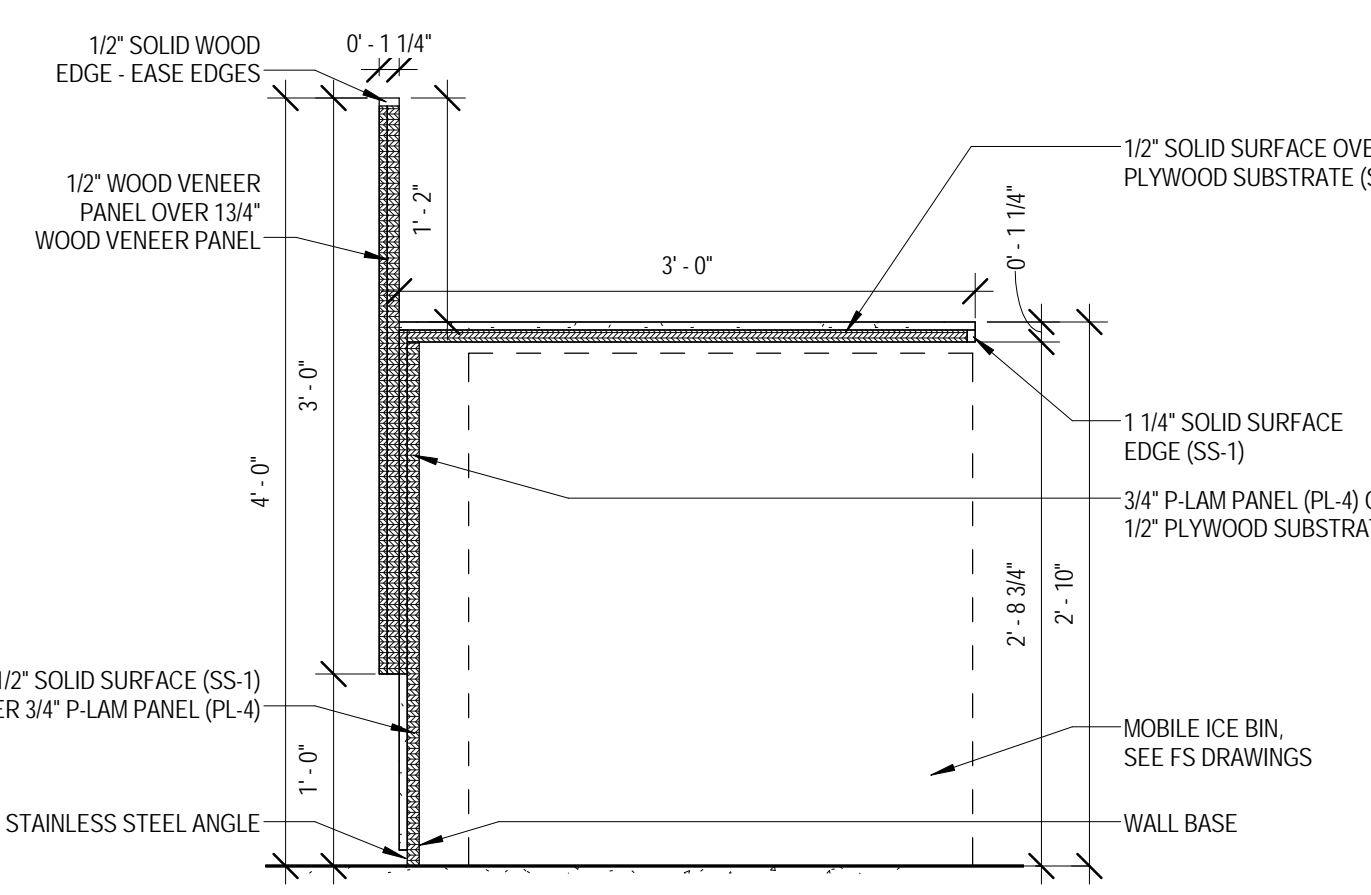
1 MILLWORK SECTION A - CAFE 1017A
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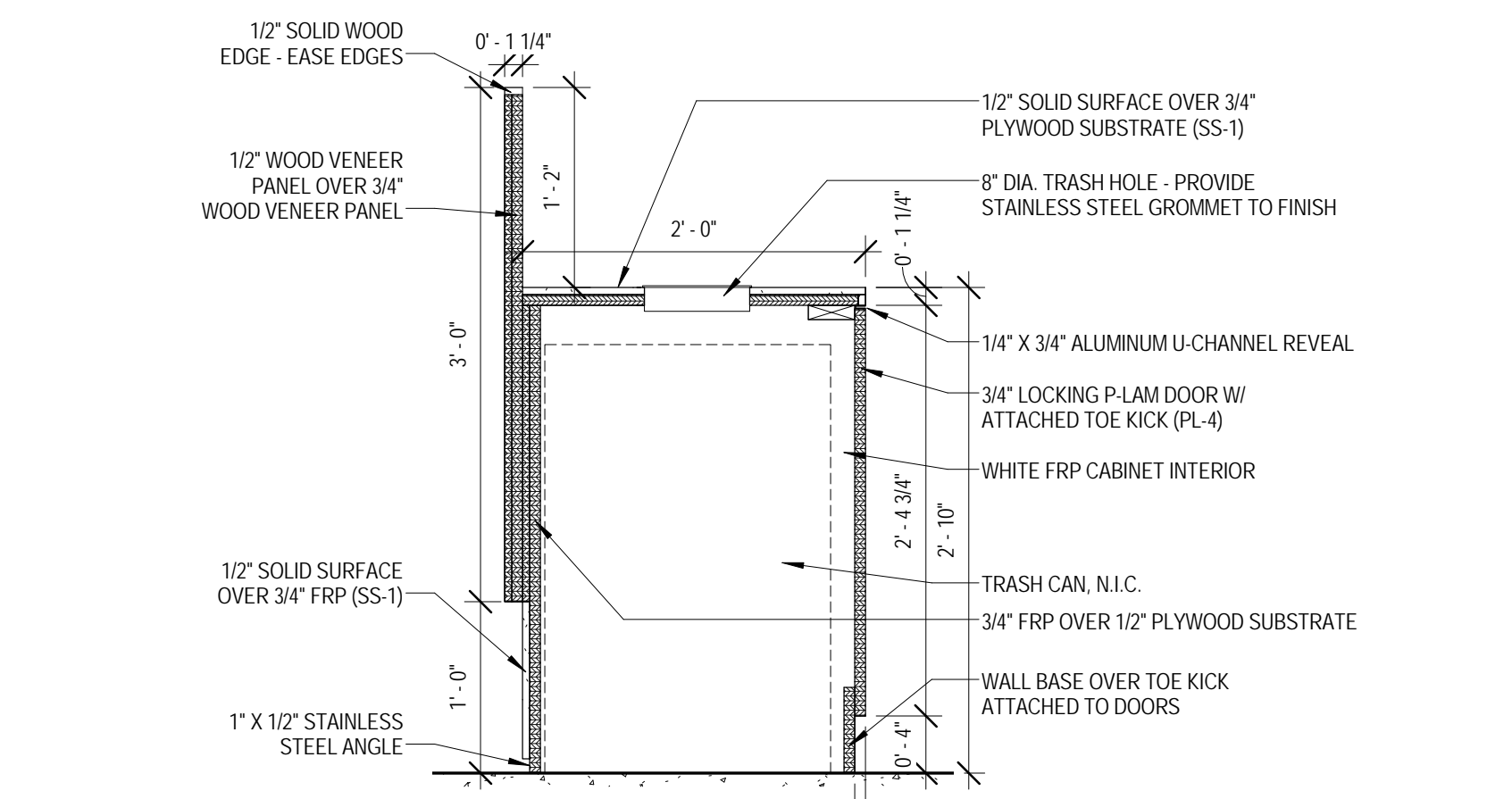
2 MILLWORK SECTION B - CAFE 1017A
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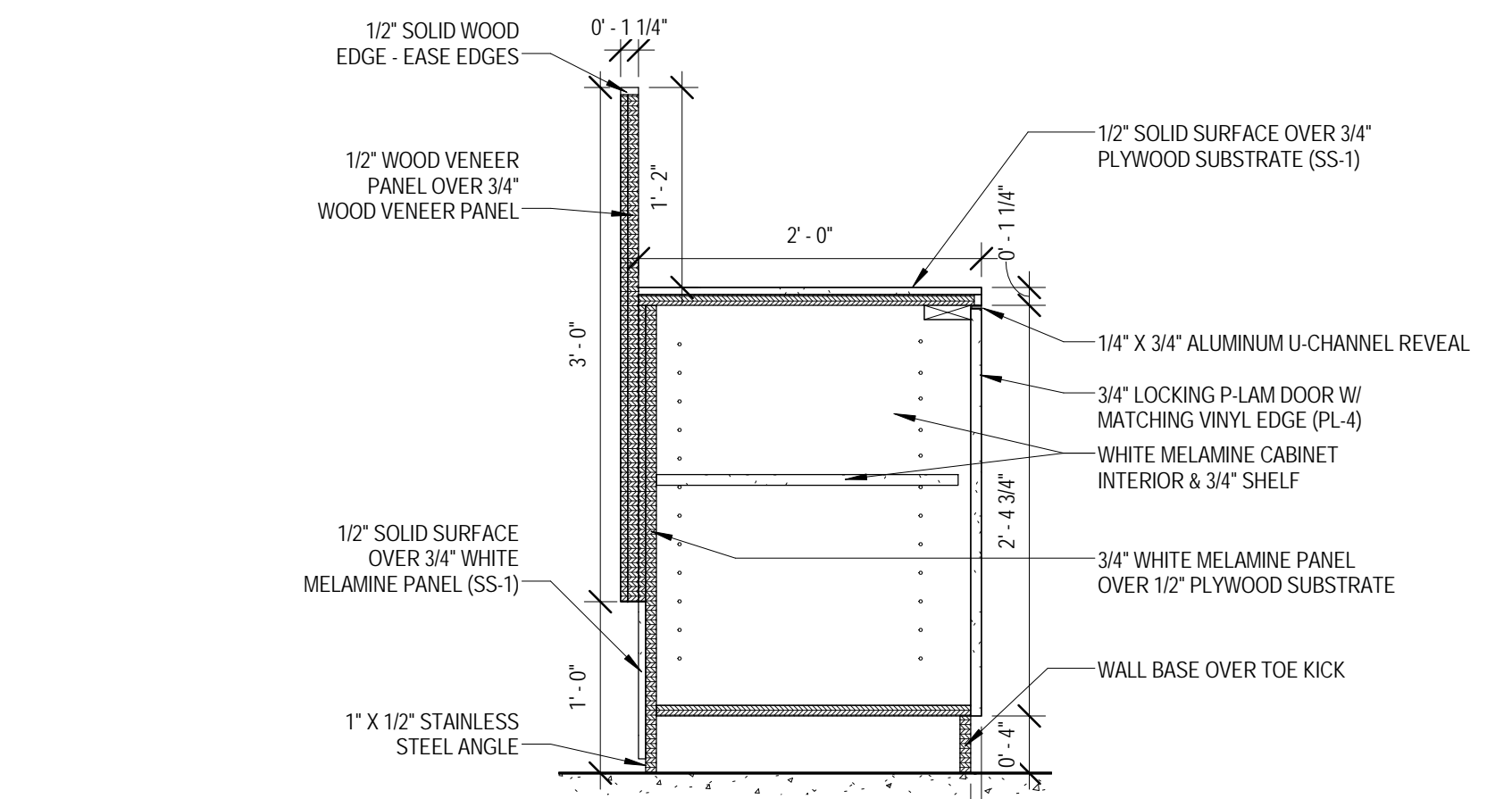
3 MILLWORK SECTION C - CAFE 1017A
 1" = 1'-0"



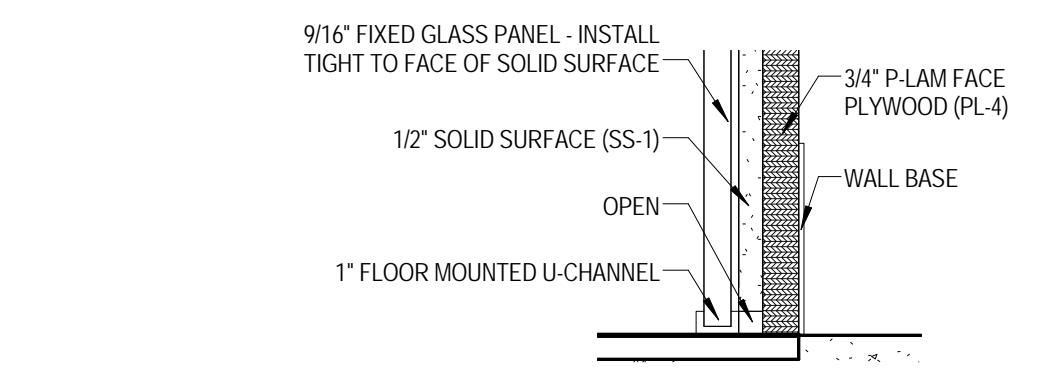
4 MILLWORK SECTION D - CAFE 1017A
 1" = 1'-0"



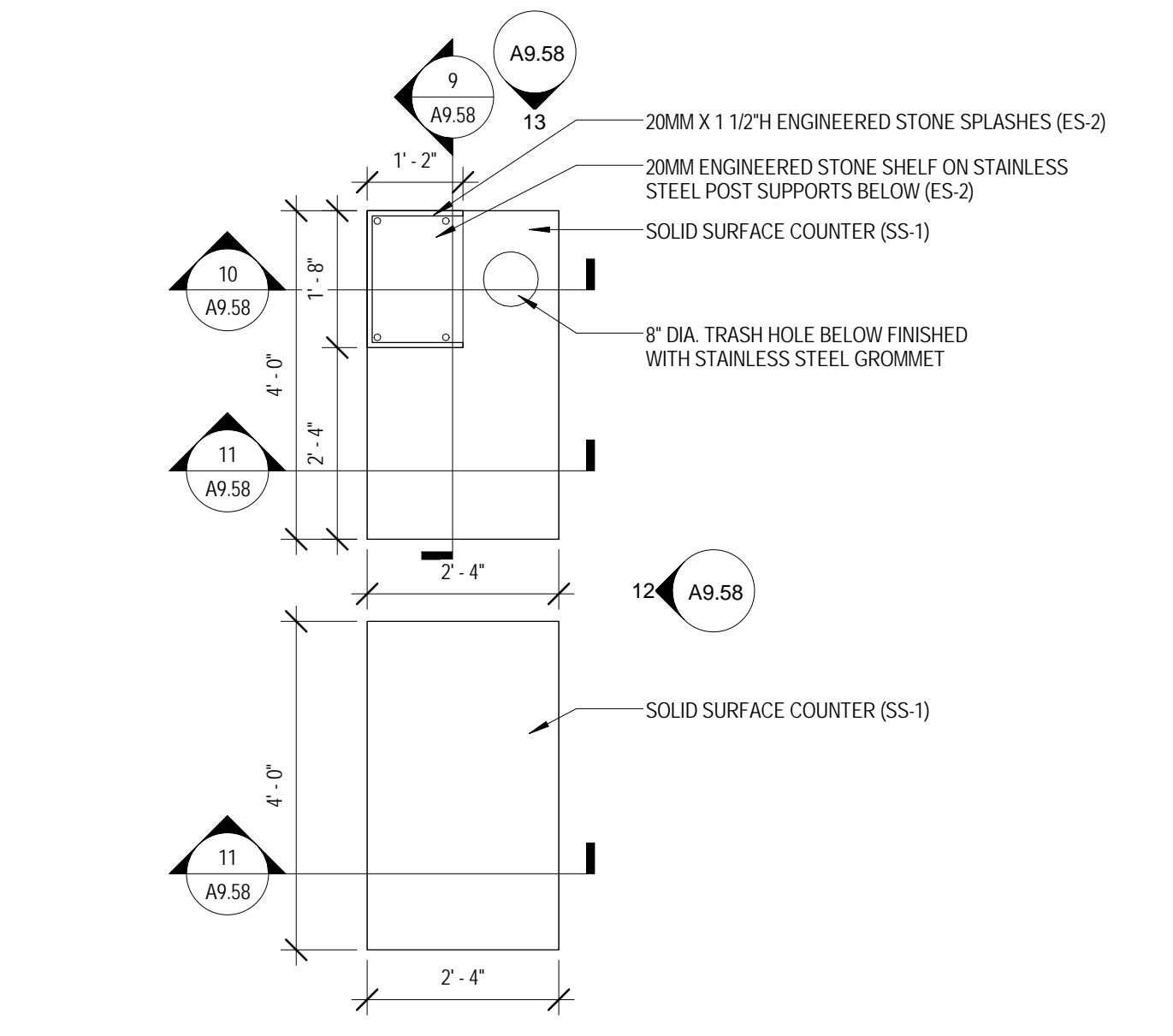
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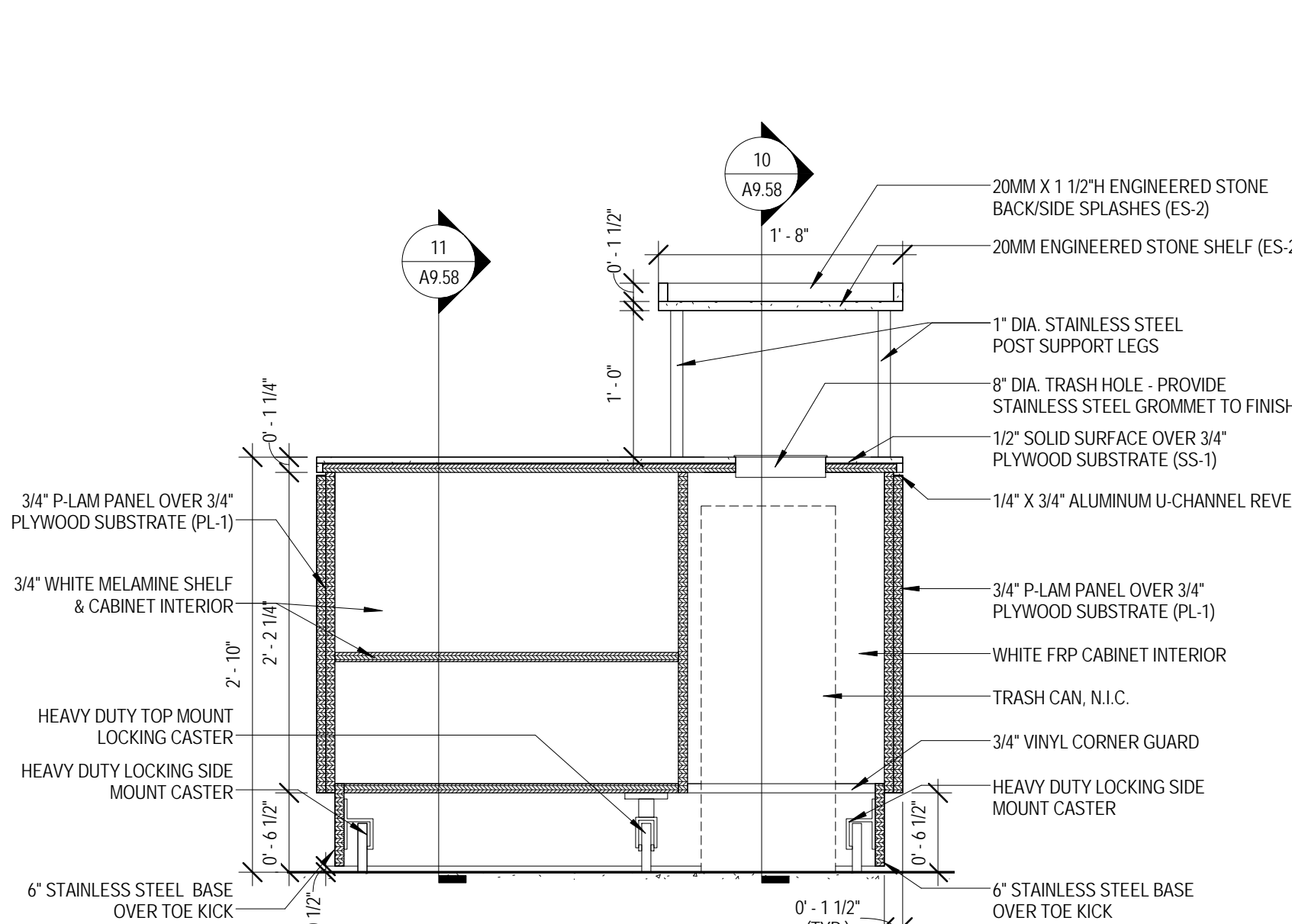
6 MILLWORK SECTION F - CAFE 1017A
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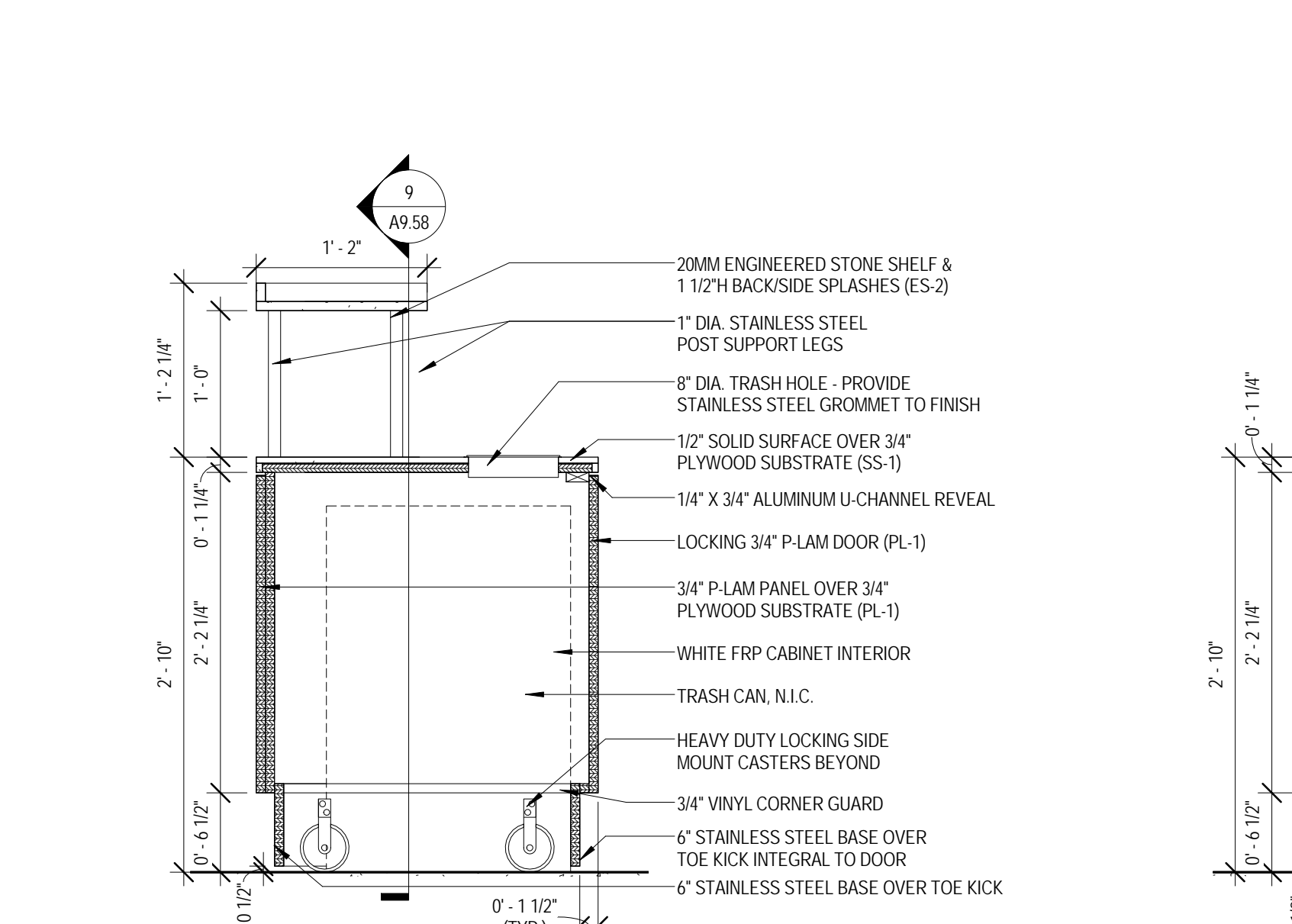
7 MILLWORK DETAIL - CAFE 1037A
 3\"/>



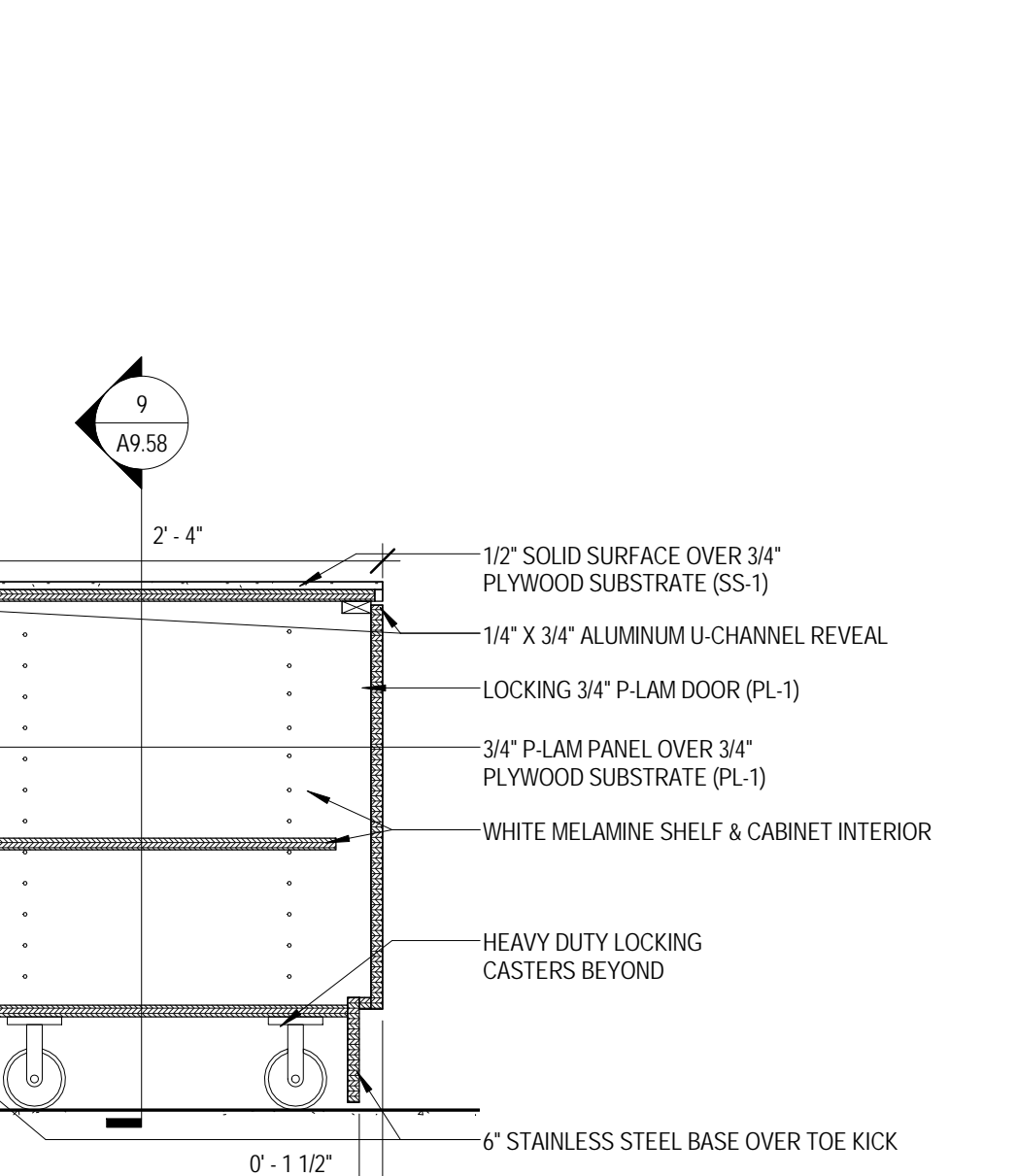
8 ENLARGED PLAN - MILLWORK - CONDIMENT CART
 1/2\"/>



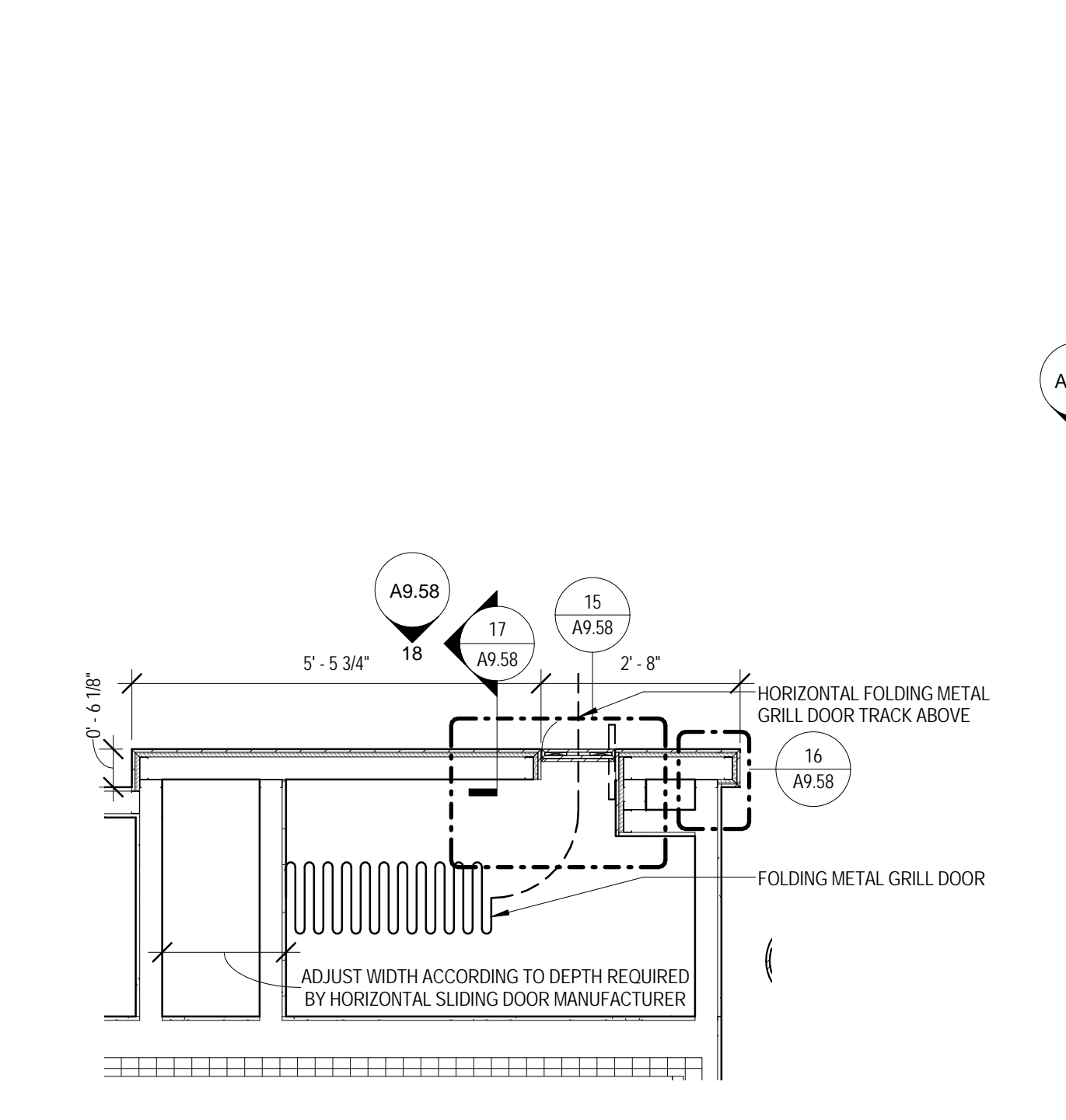
9 MILLWORK SECTION - CONDIMENT CART A
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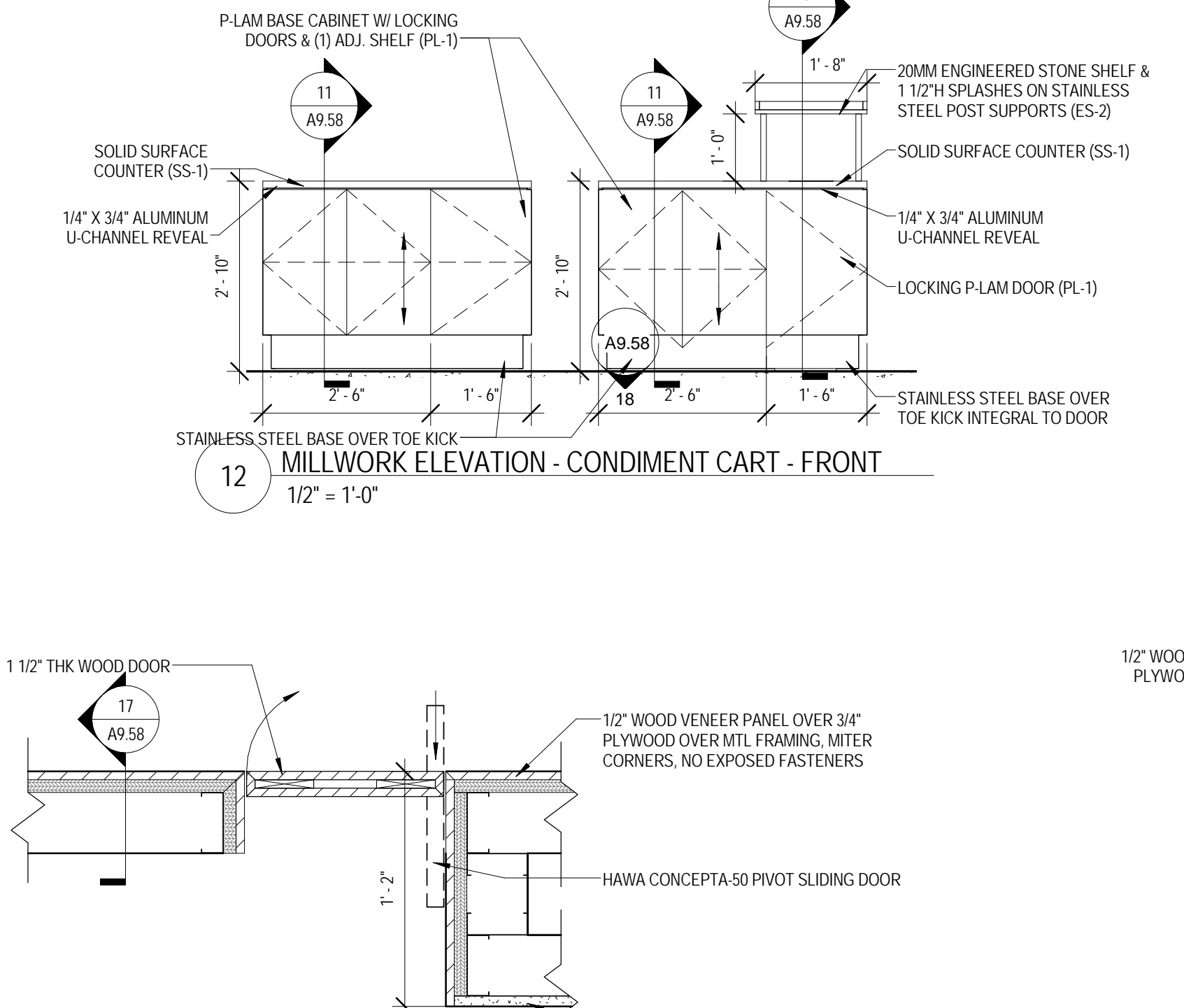
10 MILLWORK SECTION - CONDIMENT CART B
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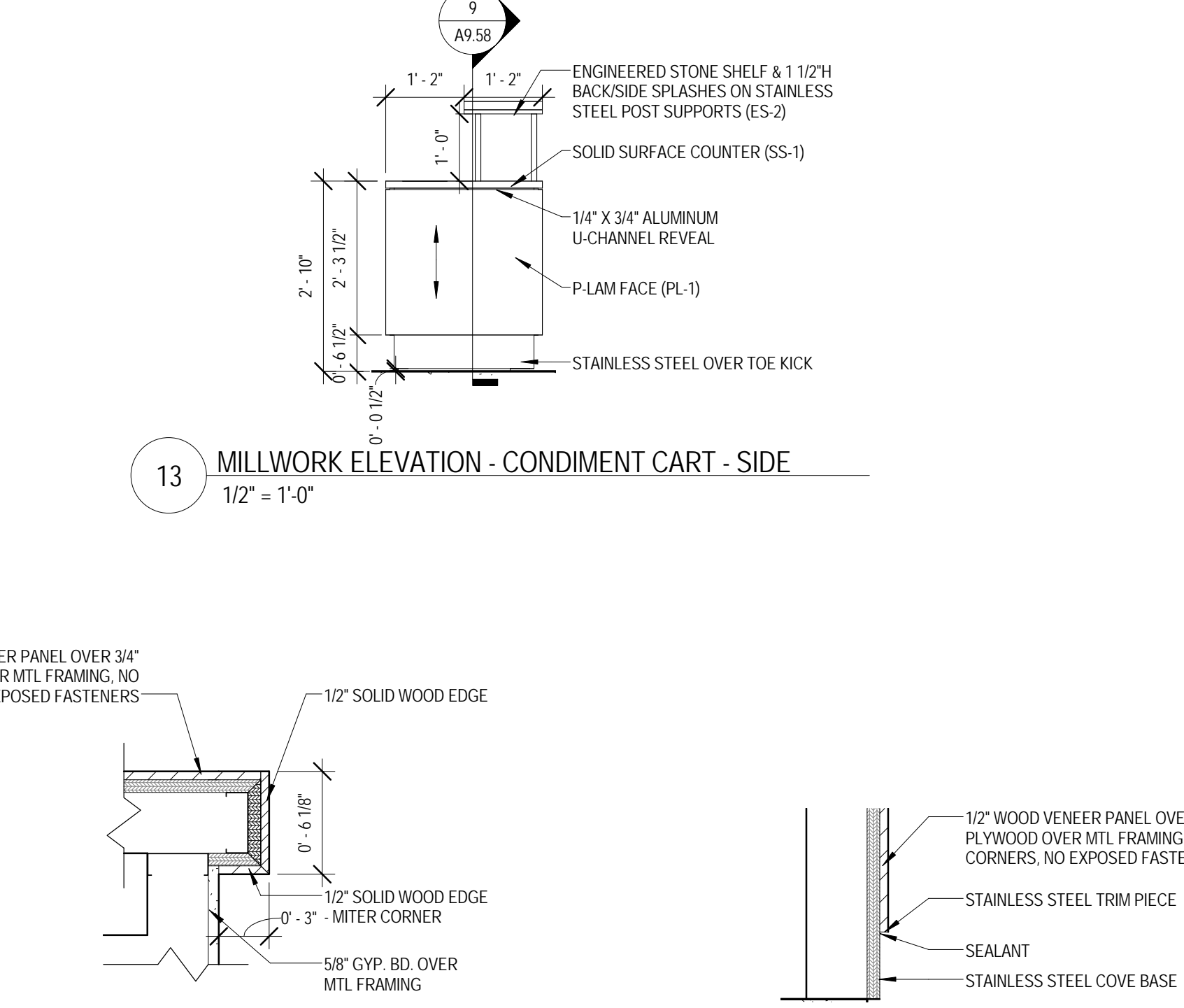
11 MILLWORK SECTION - CONDIMENT CART C
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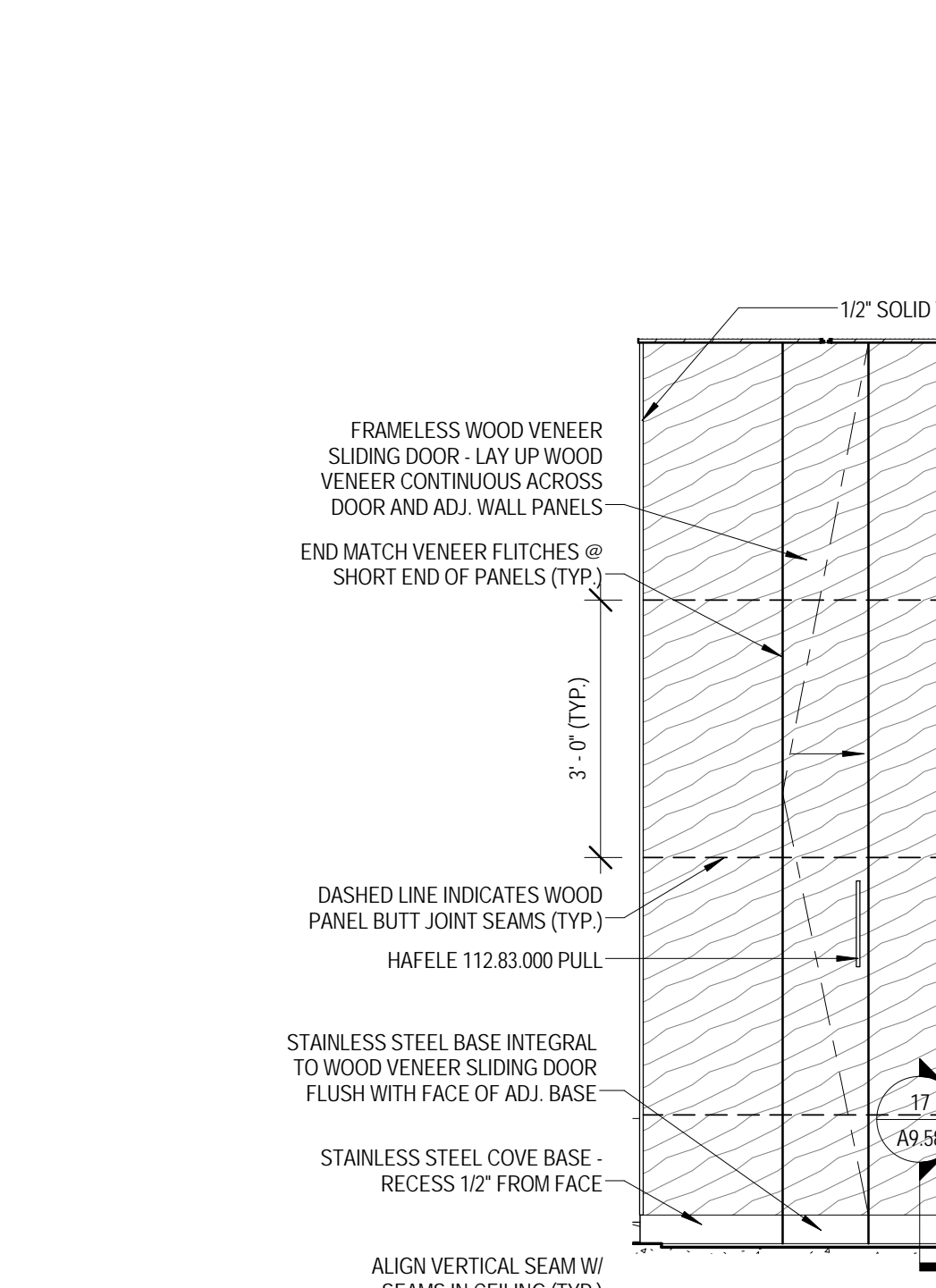
14 ENLARGED PLAN - MILLWORK - SERVERY 1017 SECURITY GATE
 1/2\"/>



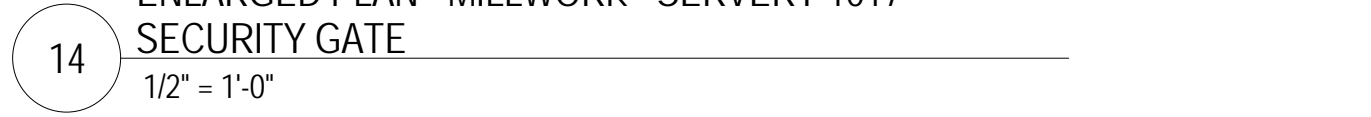
12 MILLWORK ELEVATION - CONDIMENT CART - FRONT
 1/2\"/>



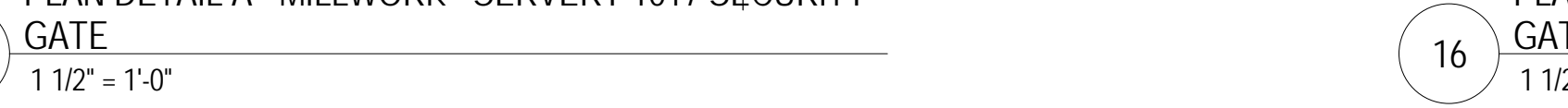
13 MILLWORK ELEVATION - CONDIMENT CART - SIDE
 1/2\"/>



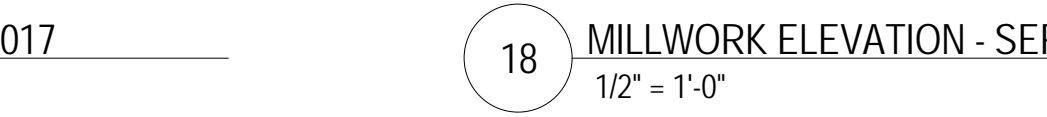
17 SECTION DETAIL - MILLWORK - SERVERY 1017
 1/2\"/>



15 PLAN DETAIL A - MILLWORK - SERVERY 1017 SECURITY GATE
 1 1/2\"/>



16 PLAN DETAIL B - MILLWORK - SERVERY 1017 SECURITY GATE
 1 1/2\"/>



18 MILLWORK ELEVATION - SERVERY 1017
 1/2\"/>



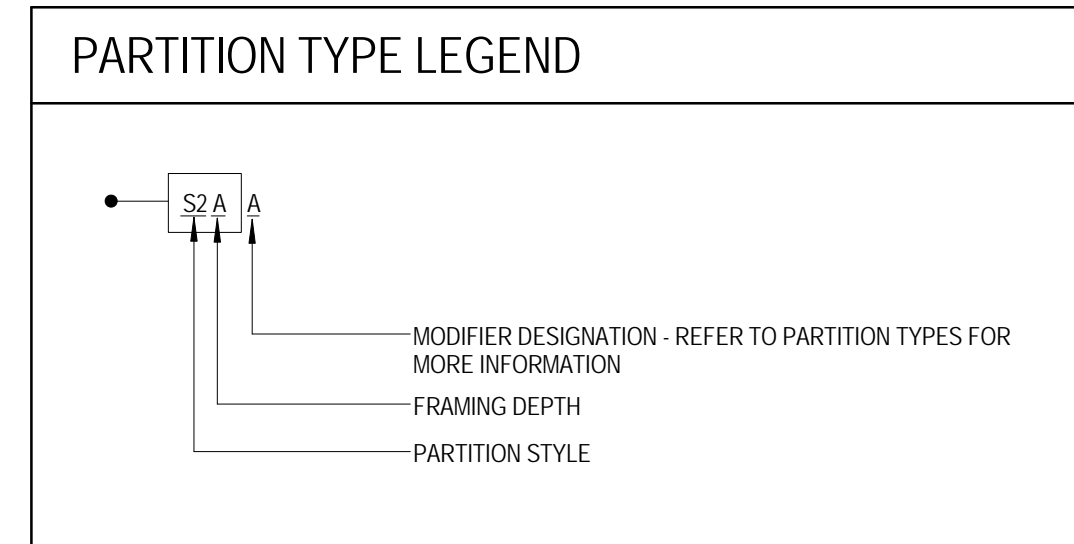
ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/PF ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
 400W NAPERVILLE, IL 60563
 P: 630.527.2320

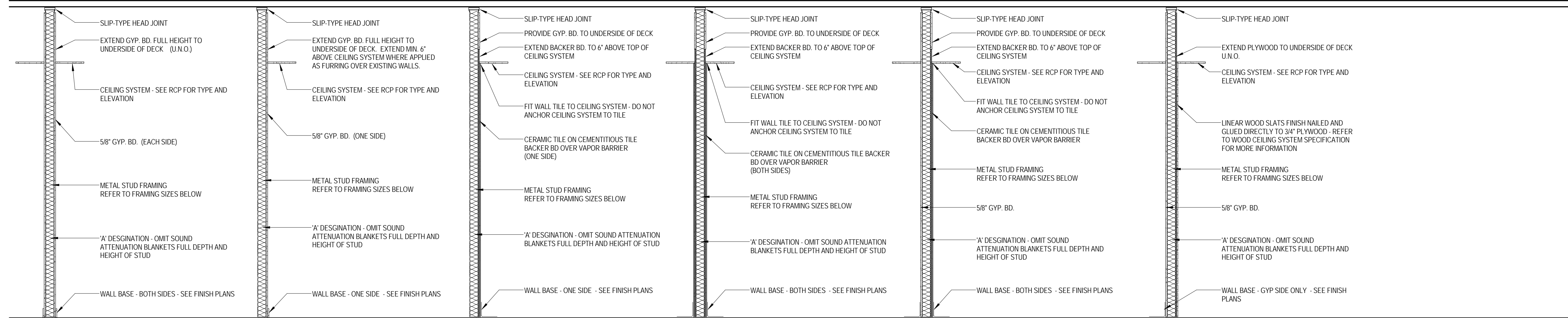
FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

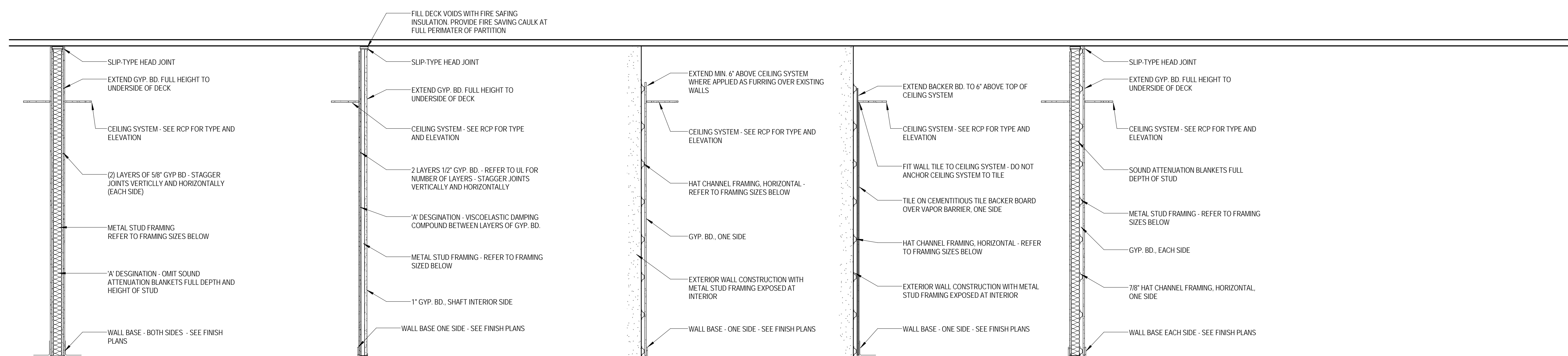
JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005



- ### PARTITION TYPE GENERAL NOTES:
- ALL INTERIOR PARTITIONS SHALL BE TYPE S1A (U.N.O.)
 - ALL GYP BD ENCLOSURES AROUND COLUMNS SHALL BE TYPE S2C (U.N.O.)
 - PROVIDE SOLID FIRE RETARDANT TREATED WOOD BLOCKING, FLAT METAL STRAPS, OR METAL BACKING PLATES AT ALL WALL MOUNTED FIXTURES AND ACCESSORIES, INCLUDING BUT NOT LIMITED TO, DOOR STOPS, MILLWORK, DIGITAL DISPLAYS, VISUAL DISPLAY BOARDS, TOILET PARTITIONS, AND SIMILAR CONDITIONS.
 - PROVIDE MOISTURE RESISTANT GYP BD AT ALL PLUMBING PARTITIONS NOT SCHEDULED TO RECEIVE TILE.
 - SEE SPECIFICATIONS FOR ORIENTATION OF GYP BD PANELS, SIZING, AND SPACING OF METAL STUD FRAMING.
 - SEE SPECIFICATIONS FOR TYPE AND SPACING OF CMU HORIZONTAL JOINT REINFORCEMENT.
 - SEE INTERIOR ELEVATIONS FOR ANY GYP BD REVEAL PATTERNS.
 - FIRE-RESISTANCE RATED SEPARATIONS
 - SEE CODE COMPLIANCE PLANS FOR LOCATIONS AND TYPES OF FIRE RESISTANCE RATED SEPARATIONS.
 - AT SMOKE PARTITIONS, FIRE PARTITIONS AND FIRE BARRIERS, WALL ASSEMBLY CONSTRUCTION SHALL EXTEND FROM TOP OF FLOOR TO THE UNDERSIDE OF THE FLOOR, ROOF, SLAB, OR DECK ABOVE.
 - ALL PARTITIONS SHALL HAVE THE FOLLOWING PERMANENTLY AFFIXED MARKINGS AND IDENTIFICATION:
 - aa 1/2" HIGH LETTERING, INDICATING RATING AND FIRE RESISTANCE RATED PARTITION TYPE, I.E. "2-HR FIRE WALL" OR "1-HR FIRE BARRIER", AND SHALL ALSO INCLUDE THE FOLLOWING SUFFIX: "PROTECT ALL OPENINGS AND PENETRATIONS"
 - bb LOCATE LETTERING ABOVE ACCESSIBLE CEILINGS AT INTERVALS NOT TO EXCEED 30". THERE SHOULD BE A MINIMUM OF ONE MARKING PER WALL PER ROOM.
 - PROVIDE ACOUSTICAL SEALANT AT ALL PARTITIONS THAT HAVE ACOUSTIC BATT INSULATION.



- S1 - GYP BD EACH SIDE - CONSTRUCT PER UL U419 AT SMOKE AND 1-HR FIRE RESISTANCE RATED PARTITIONS**
- S1A 3-5/8" METAL STUD FRAMING
 - S1B 6" METAL STUD FRAMING
 - S1C 1-5/8" METAL STUD FRAMING
 - S1D 2-1/2" METAL STUD FRAMING
 - S1E 8" METAL STUD FRAMING
- S2 - GYP BD ONE SIDE**
- S2A 3-5/8" METAL STUD FRAMING
 - S2B 6" METAL STUD FRAMING
 - S2C 1-5/8" METAL STUD FRAMING
 - S2D 2-1/2" METAL STUD FRAMING
- S3 - WALL TILE ONE SIDE**
- S3A 3-5/8" METAL STUD FRAMING
 - S3B 6" METAL STUD FRAMING
- S4 - WALL TILE EACH SIDE**
- S4A 3-5/8" METAL STUD FRAMING
 - S4B 6" METAL STUD FRAMING
- S5 - TILE ONE SIDE, GYP BD ONE SIDE**
- S5A 3-5/8" METAL STUD FRAMING
 - S5B 6" METAL STUD FRAMING
- S6 - WOOD PANELING ONE SIDE, GYP BD ONE SIDE**
- S6A 3-5/8" METAL STUD FRAMING
 - S6B 6" METAL STUD FRAMING



- S7 - TWO LAYERS OF GYP BD EACH SIDE**
- S7A 3-5/8" METAL STUD FRAMING
 - S7B 6" METAL STUD FRAMING
- SW - SHAFT WALL**
- SW1 2-1/2" C-H STUD SHAFT WALL FRAMING - 1 HR RESISTANCE - CONSTRUCT PER UL U415 A
 - SW2 2-1/2" C-H STUD SHAFT WALL FRAMING - 2 HR RESISTANCE - CONSTRUCT PER UL U415 B
- F1 - HAT CHANNEL FRAMING - GYP BD ONE SIDE**
- F1A 7/8" HAT CHANNEL FRAMING
- F2 - HAT CHANNEL FRAMING - TILE ONE SIDE**
- F2A 7/8" HAT CHANNEL FRAMING
- F3 - HAT CHANNEL FRAMING - GYP BD EACH SIDE**
- F3A 7/8" HAT CHANNELS ON 3-5/8" METAL STUD FRAMING



- M1 - MASONRY WALL - CMU**
- M1A 8" CMU

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
WALL PARTITION TYPES AND DETAILS

SHEET NUMBER:
A10.01



ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
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FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE. SUITE 212
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 P: 847.298.0088

CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

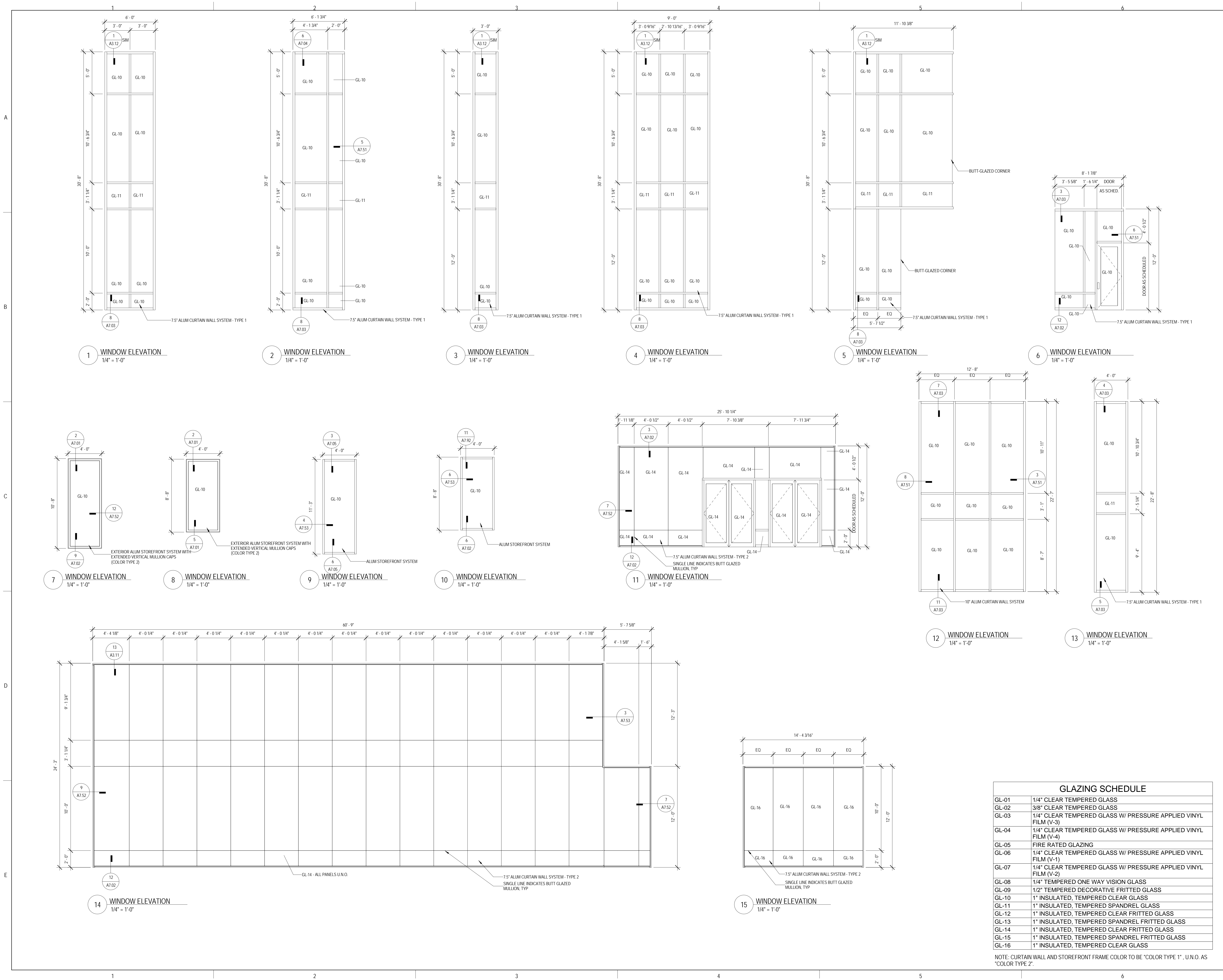
SHEET TITLE:

**WINDOW
 ELEVATIONS**

SHEET NUMBER:

A10.11

9/18/2015 9:38:51 AM



GLAZING SCHEDULE	
GL-01	1/4" CLEAR TEMPERED GLASS
GL-02	3/8" CLEAR TEMPERED GLASS
GL-03	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-3)
GL-04	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-4)
GL-05	FIRE RATED GLAZING
GL-06	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-1)
GL-07	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-2)
GL-08	1/4" TEMPERED ONE WAY VISION GLASS
GL-09	1/2" TEMPERED DECORATIVE FRITTED GLASS
GL-10	1" INSULATED, TEMPERED CLEAR GLASS
GL-11	1" INSULATED, TEMPERED SPANDREL GLASS
GL-12	1" INSULATED, TEMPERED CLEAR FRITTED GLASS
GL-13	1" INSULATED, TEMPERED SPANDREL FRITTED GLASS
GL-14	1" INSULATED, TEMPERED CLEAR FRITTED GLASS
GL-15	1" INSULATED, TEMPERED SPANDREL FRITTED GLASS
GL-16	1" INSULATED, TEMPERED CLEAR GLASS

NOTE: CURTAIN WALL AND STOREFRONT FRAME COLOR TO BE "COLOR TYPE 1", U.N.O. AS "COLOR TYPE 2".



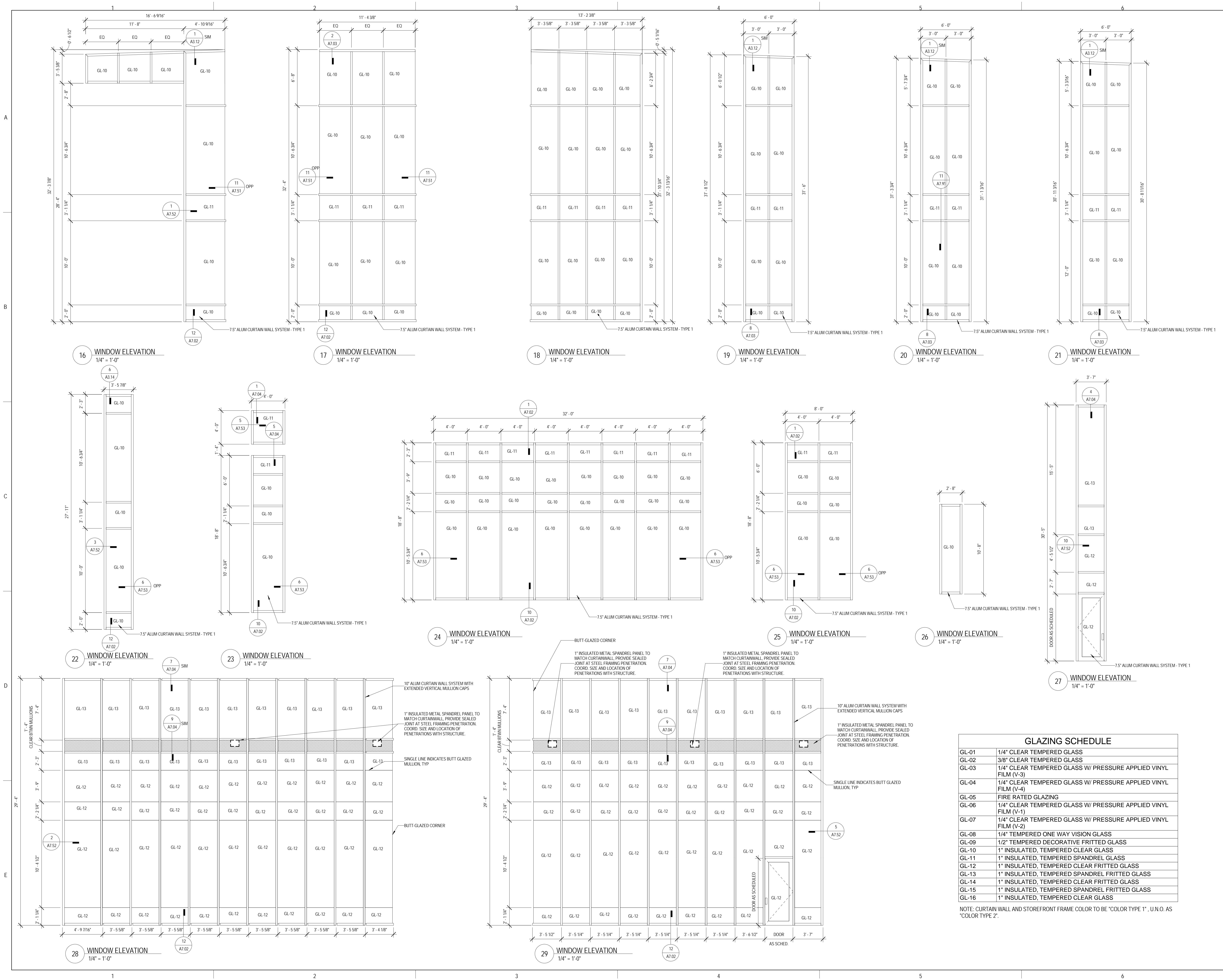
ARCHITECT OF RECORD
 DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/PF ENGINEERING
 KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD. SUITE
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FOOD SERVICE CONSULTANT
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 200 E. HOWARD AVE. SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

CONSTRUCTION MANAGER
 JOLIET JUNIOR COLLEGE
 1215 HOUBOLT RD.
 JOLIET, IL 60431
 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005



GLAZING SCHEDULE	
GL-01	1/4" CLEAR TEMPERED GLASS
GL-02	3/8" CLEAR TEMPERED GLASS
GL-03	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-3)
GL-04	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-4)
GL-05	FIRE RATED GLAZING
GL-06	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-1)
GL-07	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-2)
GL-08	1/4" TEMPERED ONE WAY VISION GLASS
GL-09	1/2" TEMPERED DECORATIVE FRITTED GLASS
GL-10	1" INSULATED, TEMPERED CLEAR GLASS
GL-11	1" INSULATED, TEMPERED SPANDREL GLASS
GL-12	1" INSULATED, TEMPERED CLEAR FRITTED GLASS
GL-13	1" INSULATED, TEMPERED SPANDREL FRITTED GLASS
GL-14	1" INSULATED, TEMPERED CLEAR FRITTED GLASS
GL-15	1" INSULATED, TEMPERED SPANDREL FRITTED GLASS
GL-16	1" INSULATED, TEMPERED CLEAR GLASS

NOTE: CURTAIN WALL AND STOREFRONT FRAME COLOR TO BE "COLOR TYPE 1", U.N.O. AS "COLOR TYPE 2".

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
WINDOW ELEVATIONS

SHEET NUMBER:

A10.12

9/18/2015 9:38:58 AM



ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
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FOOD SERVICE CONSULTANT
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CONSTRUCTION MANAGER
JOLIET JUNIOR COLLEGE
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 P: 815.280.2212

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

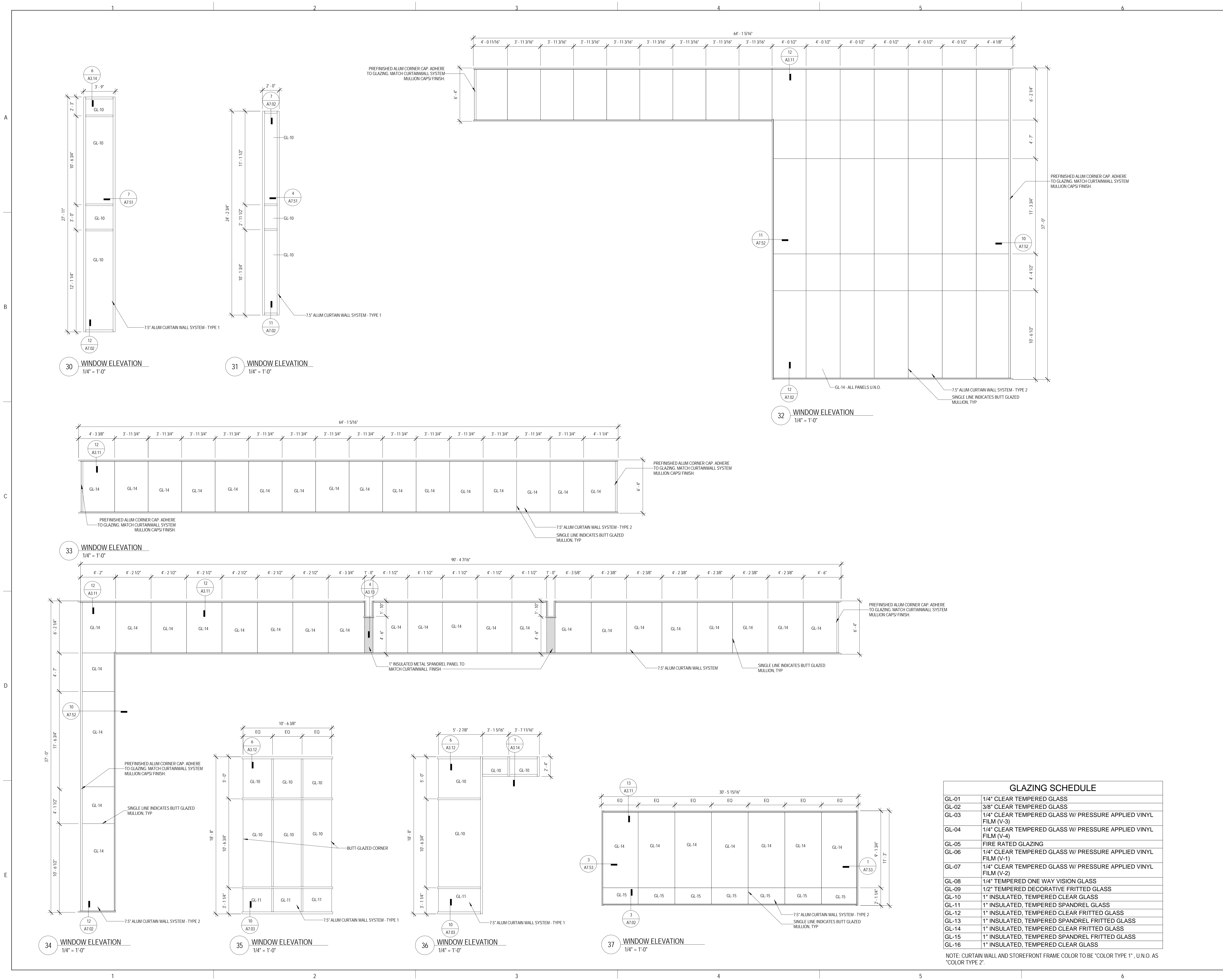
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**WINDOW
 ELEVATIONS**

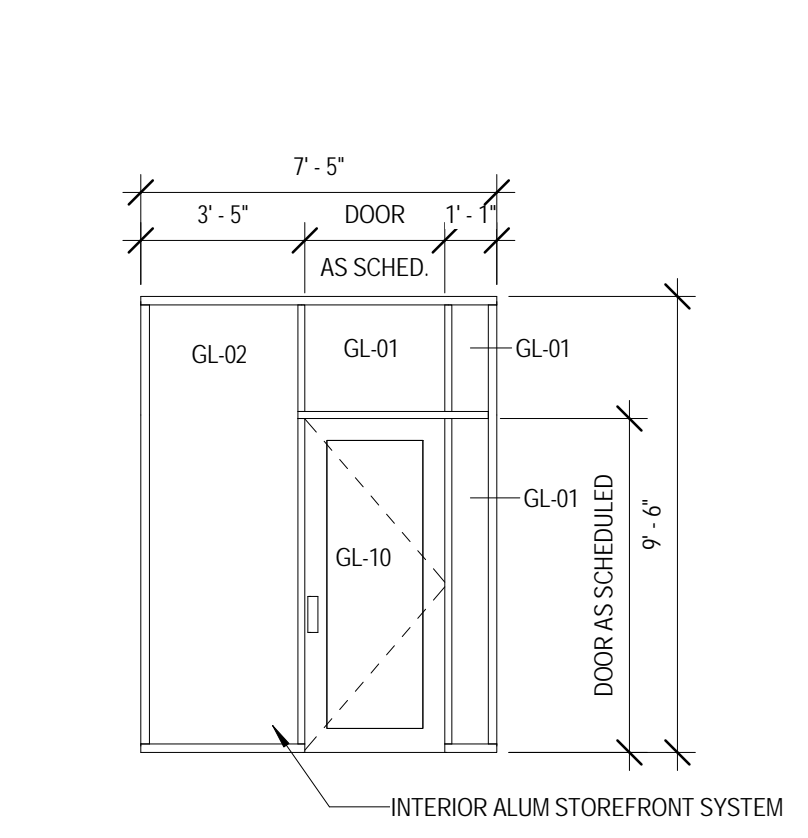
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A10.13

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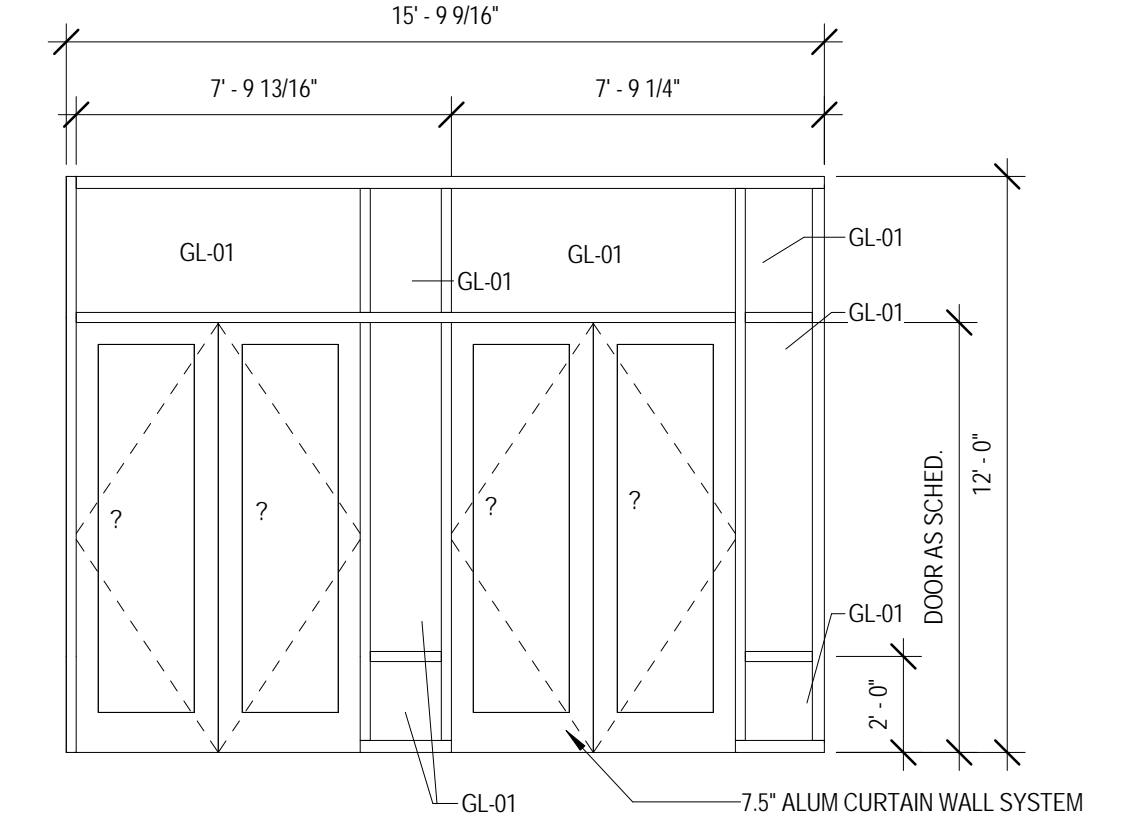


GLAZING SCHEDULE	
GL-01	1/4" CLEAR TEMPERED GLASS
GL-02	3/8" CLEAR TEMPERED GLASS
GL-03	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-3)
GL-04	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-4)
GL-05	FIRE RATED GLAZING
GL-06	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-1)
GL-07	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-2)
GL-08	1/4" TEMPERED ONE WAY VISION GLASS
GL-09	1/2" TEMPERED DECORATIVE FRITTED GLASS
GL-10	1" INSULATED, TEMPERED CLEAR GLASS
GL-11	1" INSULATED, TEMPERED SPANDREL GLASS
GL-12	1" INSULATED, TEMPERED CLEAR FRITTED GLASS
GL-13	1" INSULATED, TEMPERED SPANDREL FRITTED GLASS
GL-14	1" INSULATED, TEMPERED CLEAR FRITTED GLASS
GL-15	1" INSULATED, TEMPERED SPANDREL FRITTED GLASS
GL-16	1" INSULATED, TEMPERED CLEAR GLASS

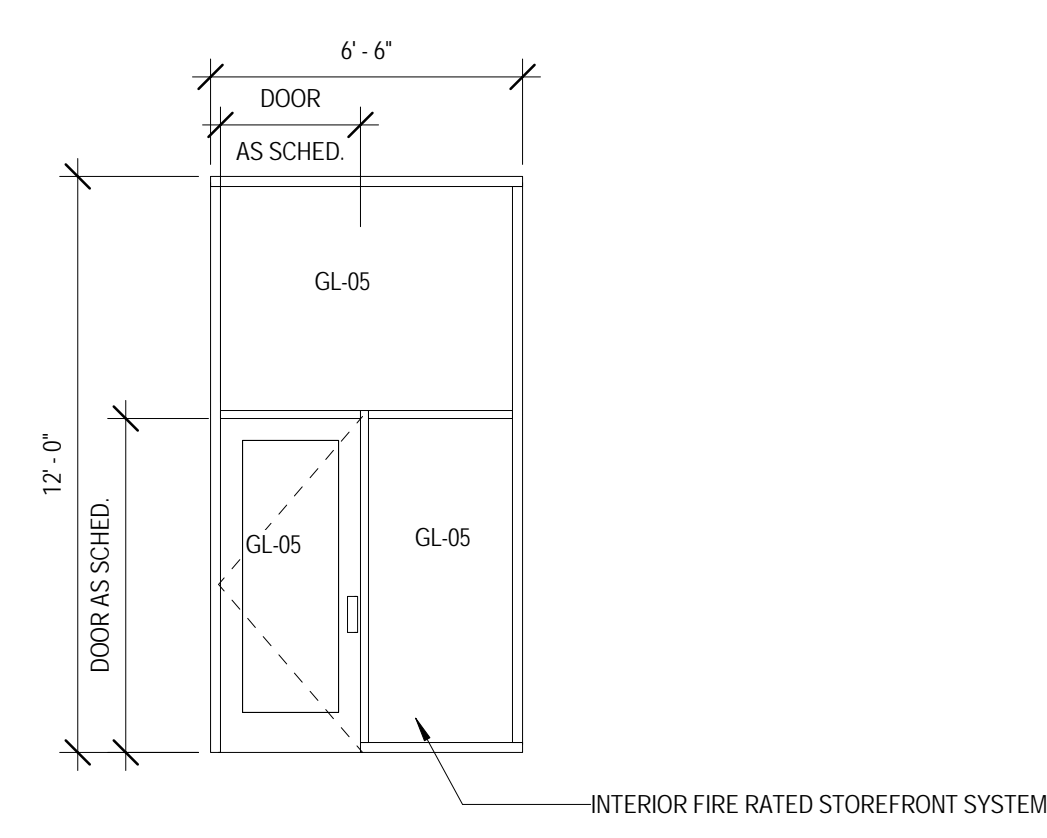
NOTE: CURTAIN WALL AND STOREFRONT FRAME COLOR TO BE "COLOR TYPE 1", U.N.O. AS "COLOR TYPE 2".



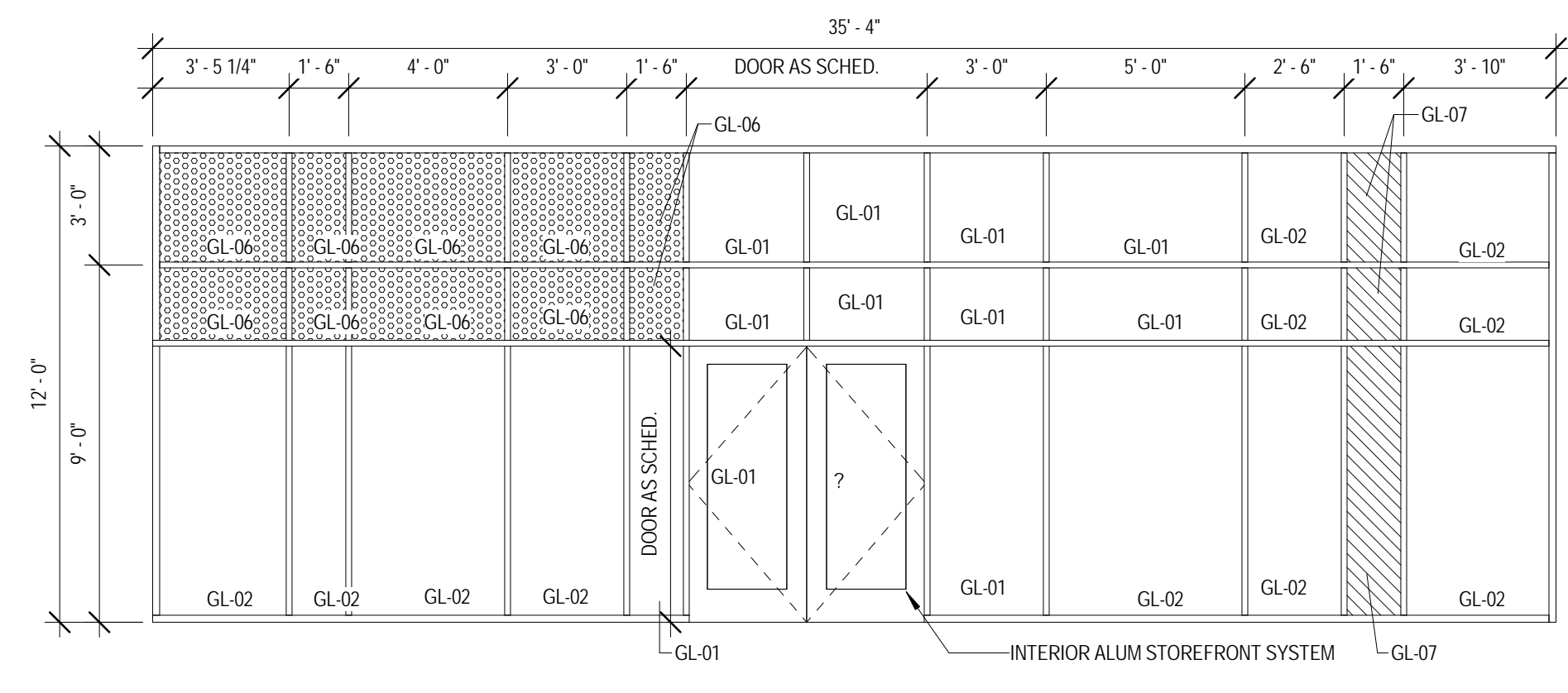
101 WINDOW ELEVATION
 1/4" = 1'-0"



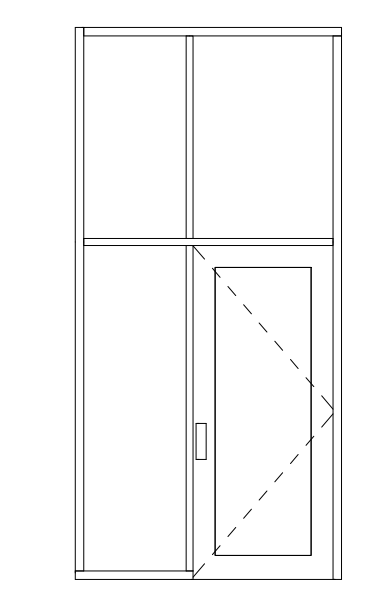
102 WINDOW ELEVATION
 1/4" = 1'-0"



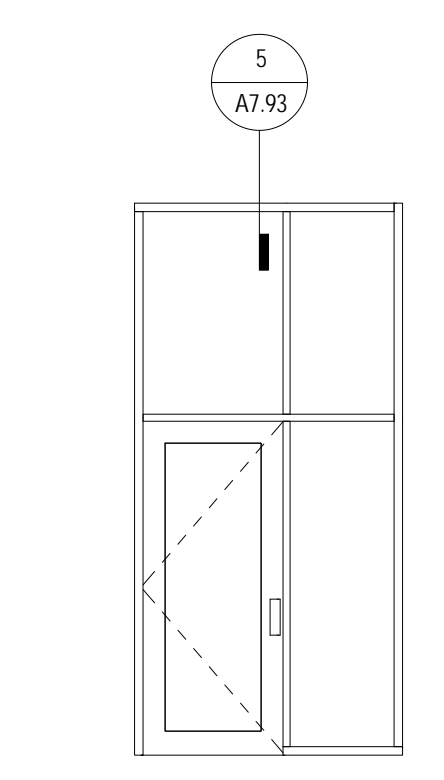
103 WINDOW ELEVATION
 1/4" = 1'-0"



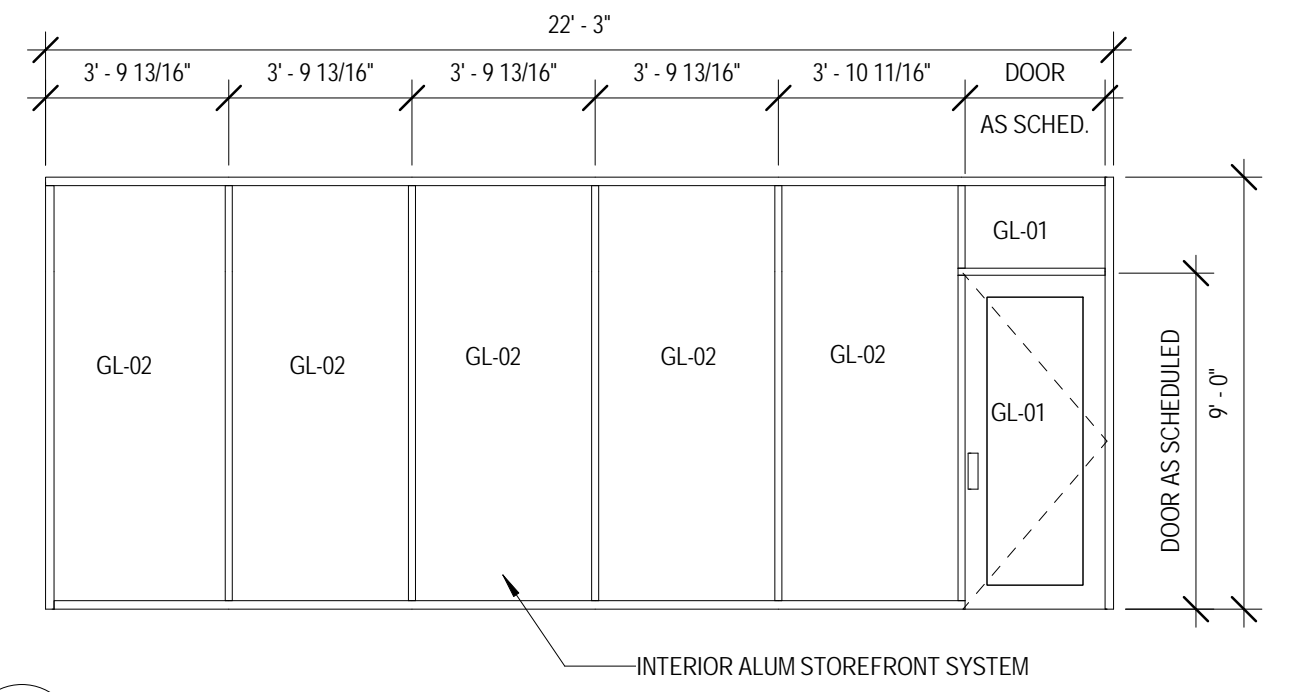
104 WINDOW ELEVATION
 1/4" = 1'-0"



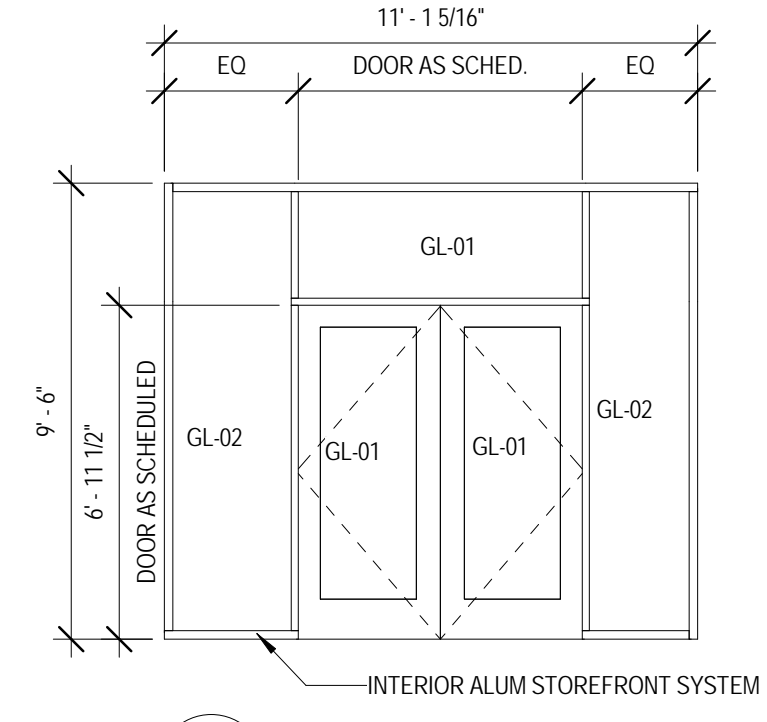
105 WINDOW ELEVATION
 1/4" = 1'-0"



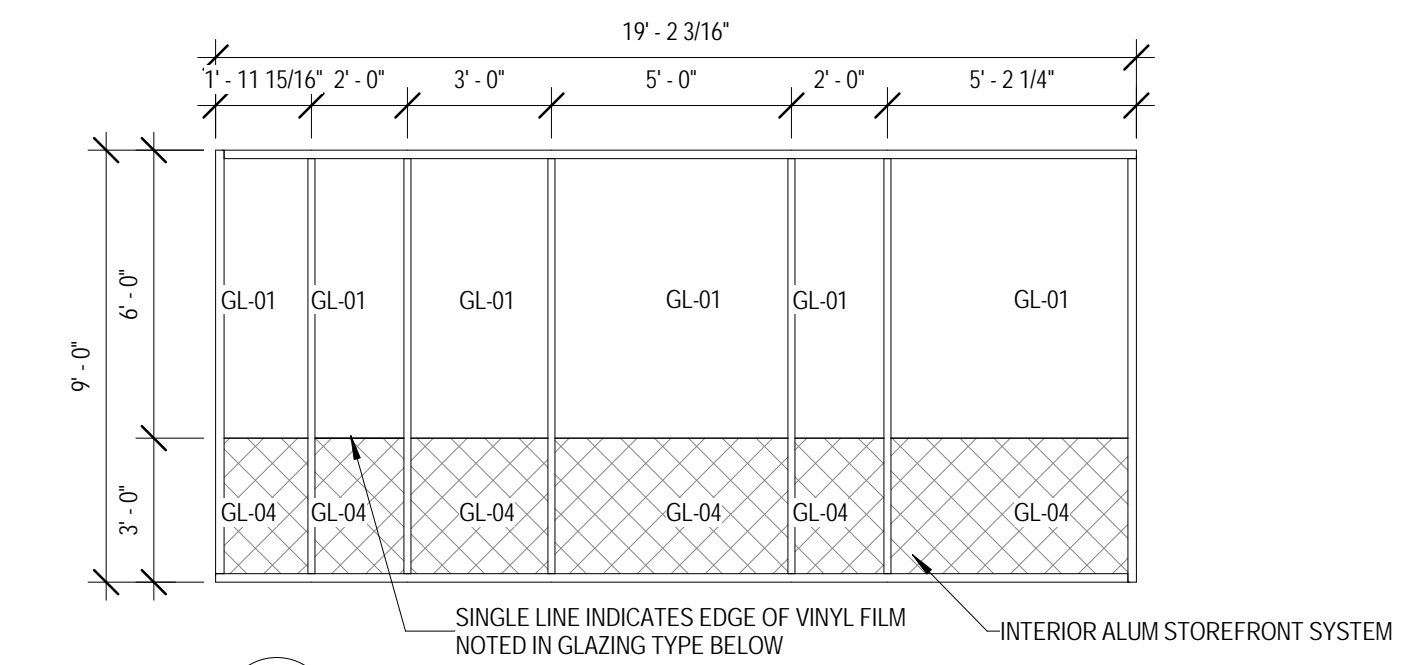
106 WINDOW ELEVATION
 1/4" = 1'-0"



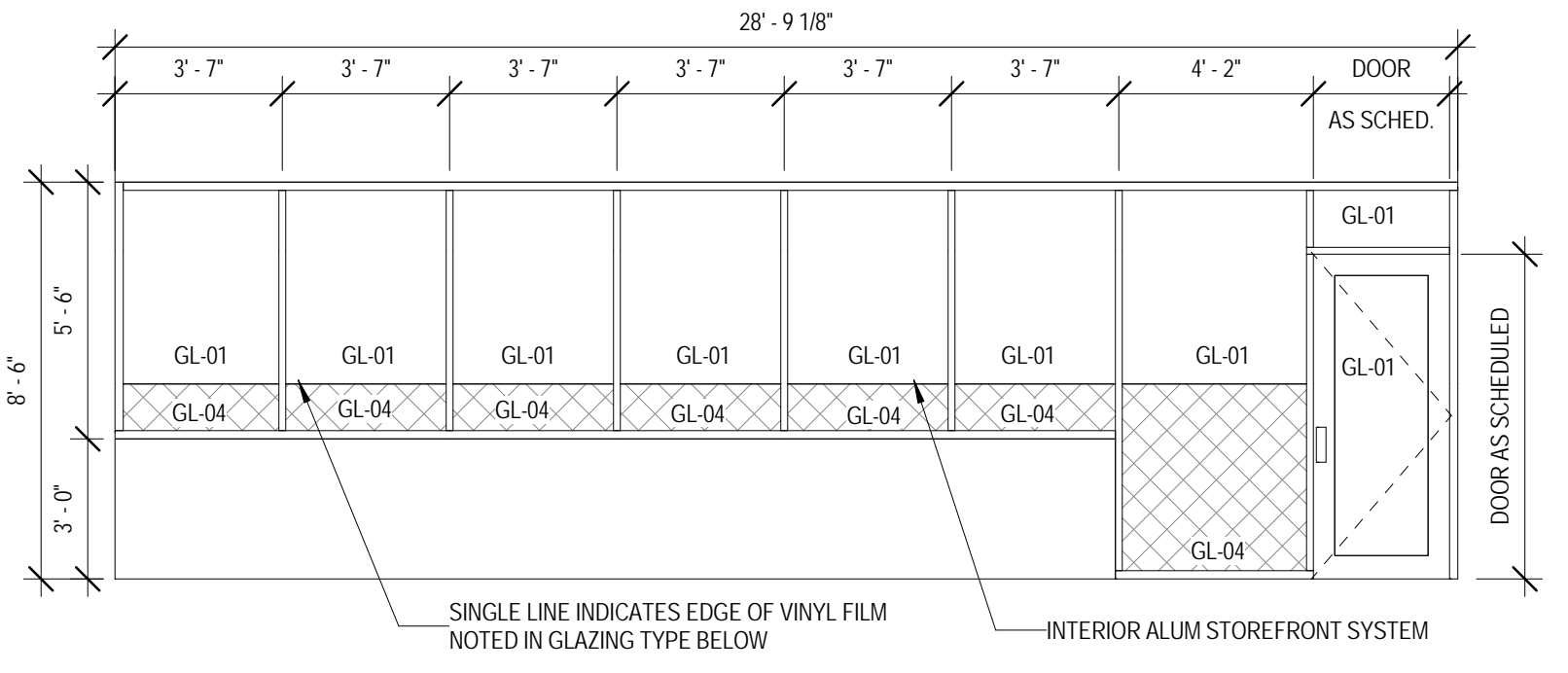
107 WINDOW ELEVATION
 1/4" = 1'-0"



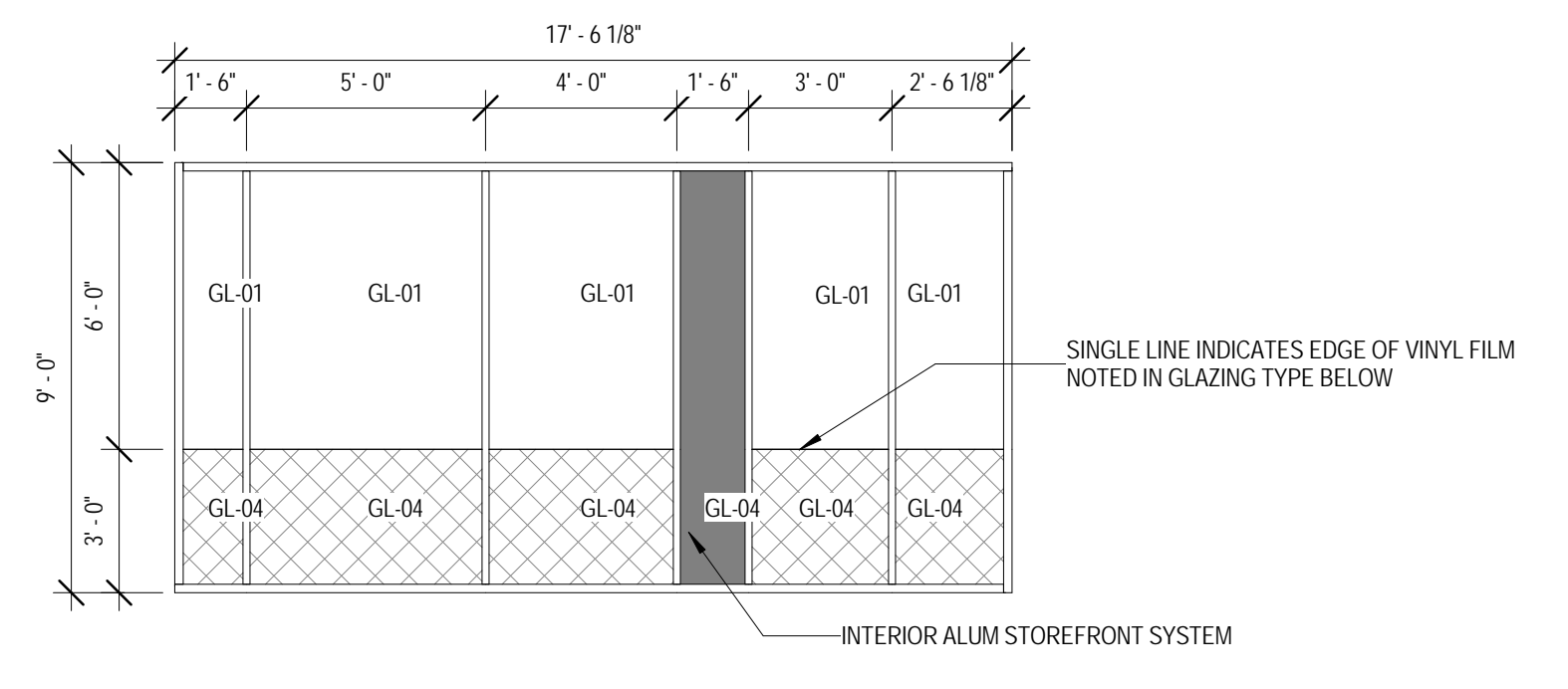
108 WINDOW ELEVATION
 1/4" = 1'-0"



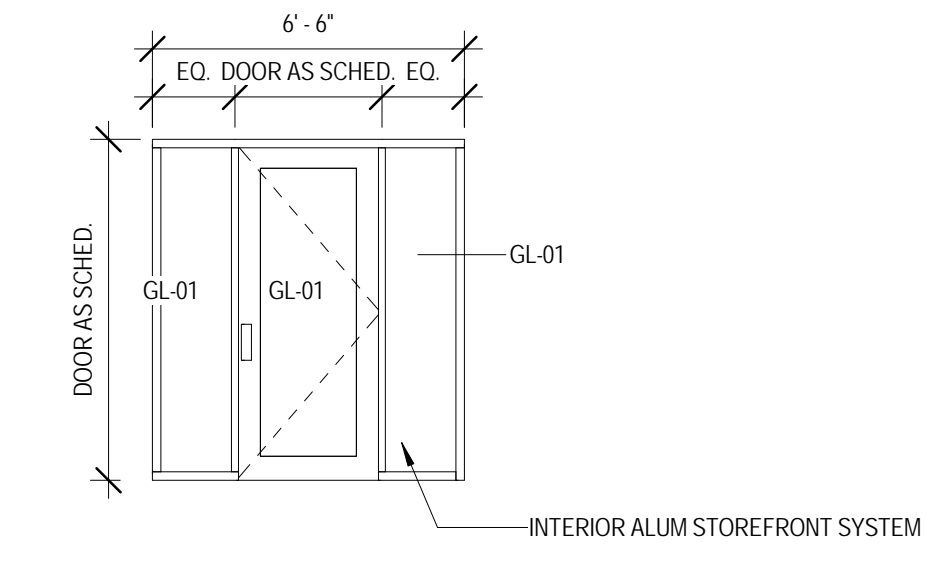
109 WINDOW ELEVATION
 1/4" = 1'-0"



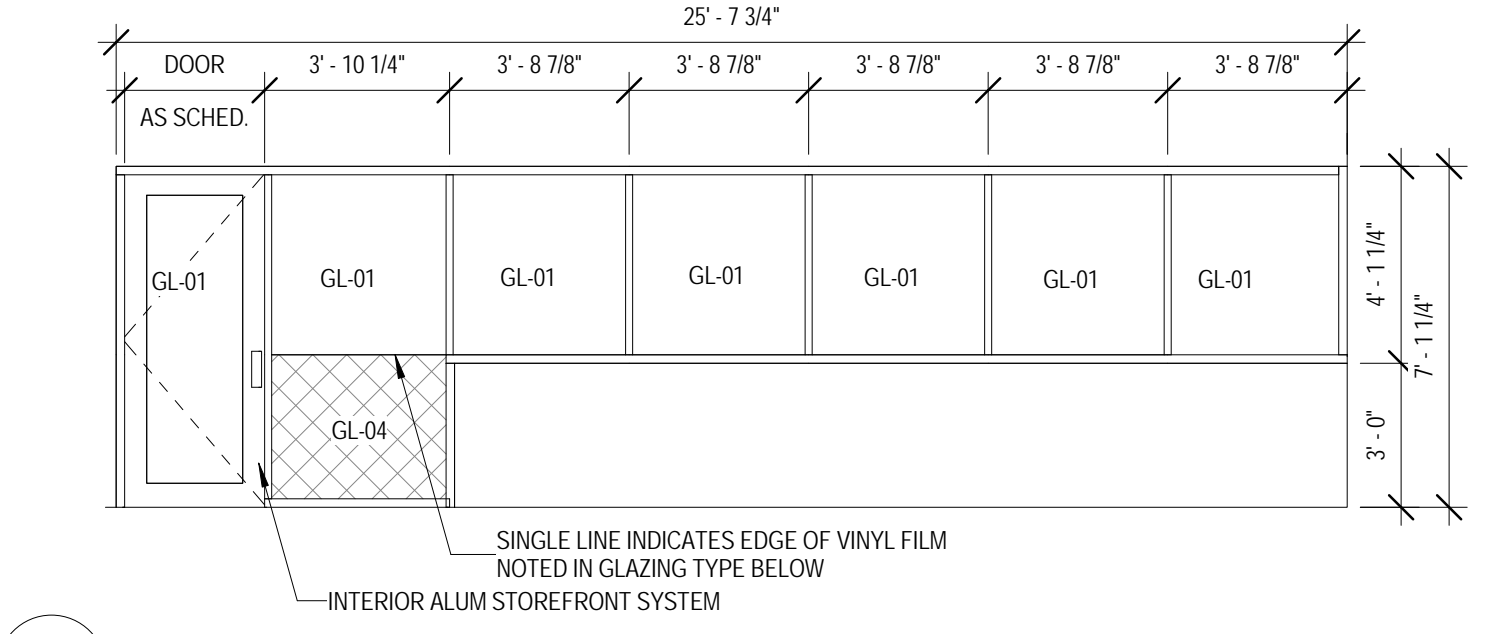
110 WINDOW ELEVATION
 1/4" = 1'-0"



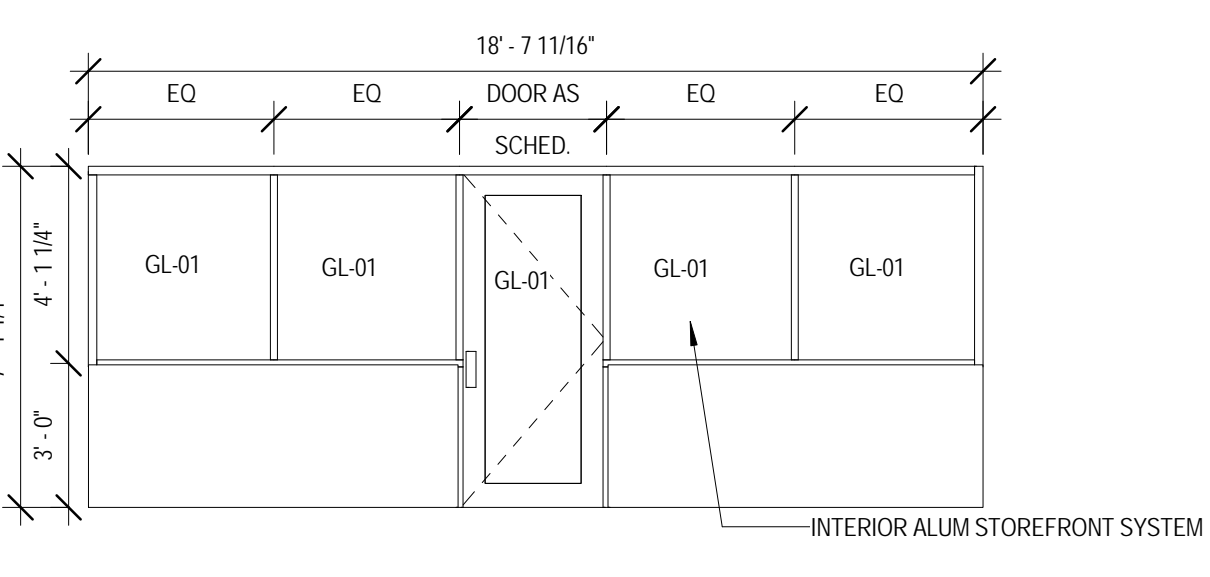
111 WINDOW ELEVATION
 1/4" = 1'-0"



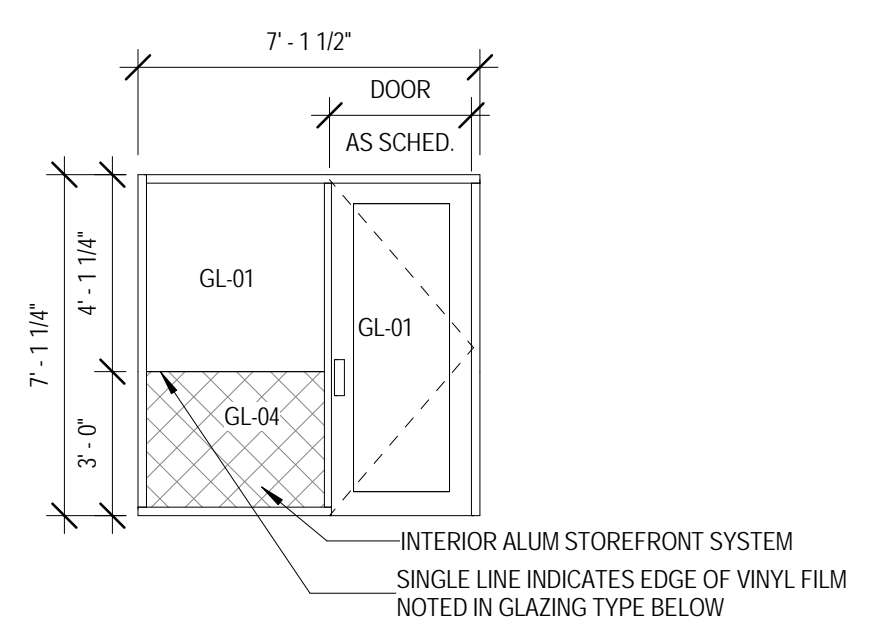
112 WINDOW ELEVATION
 1/4" = 1'-0"



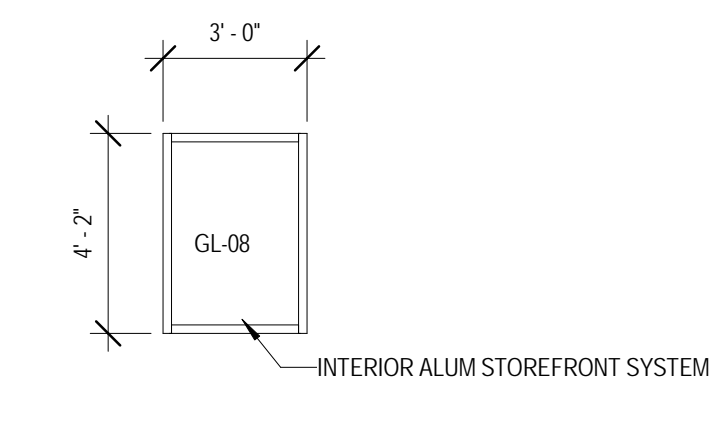
113 WINDOW ELEVATION
 1/4" = 1'-0"



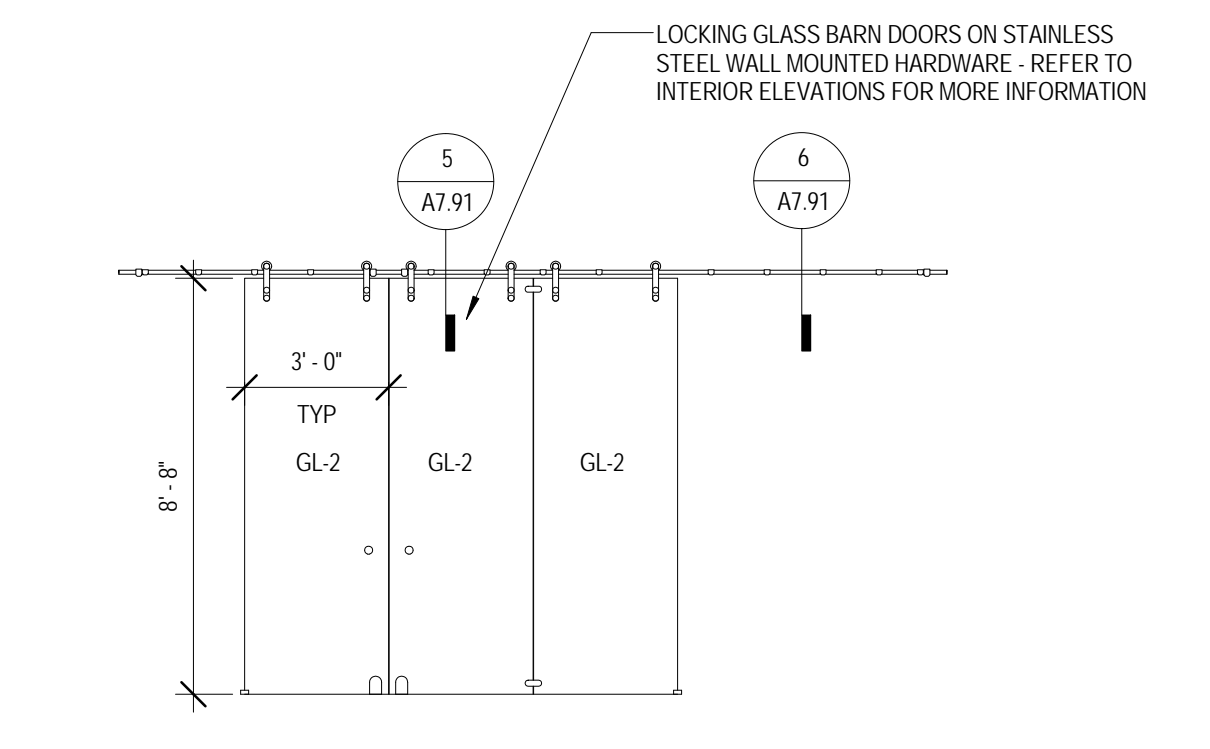
114 WINDOW ELEVATION
 1/4" = 1'-0"



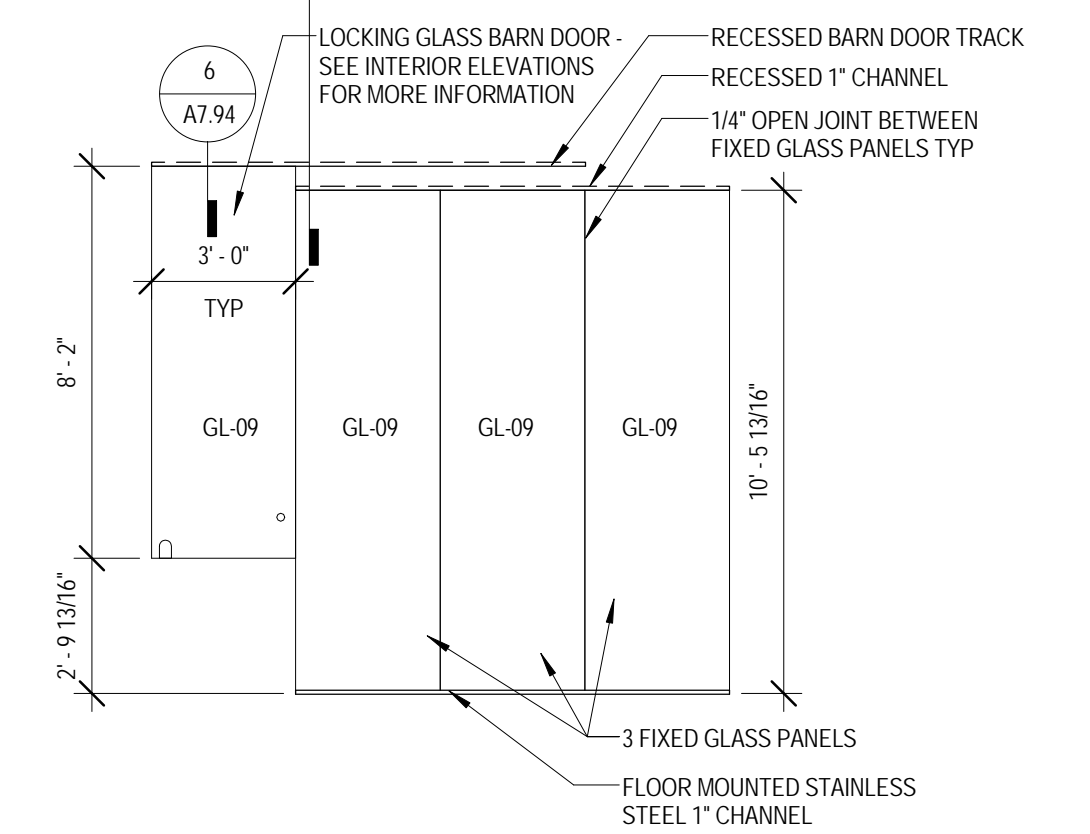
115 WINDOW ELEVATION
 1/4" = 1'-0"



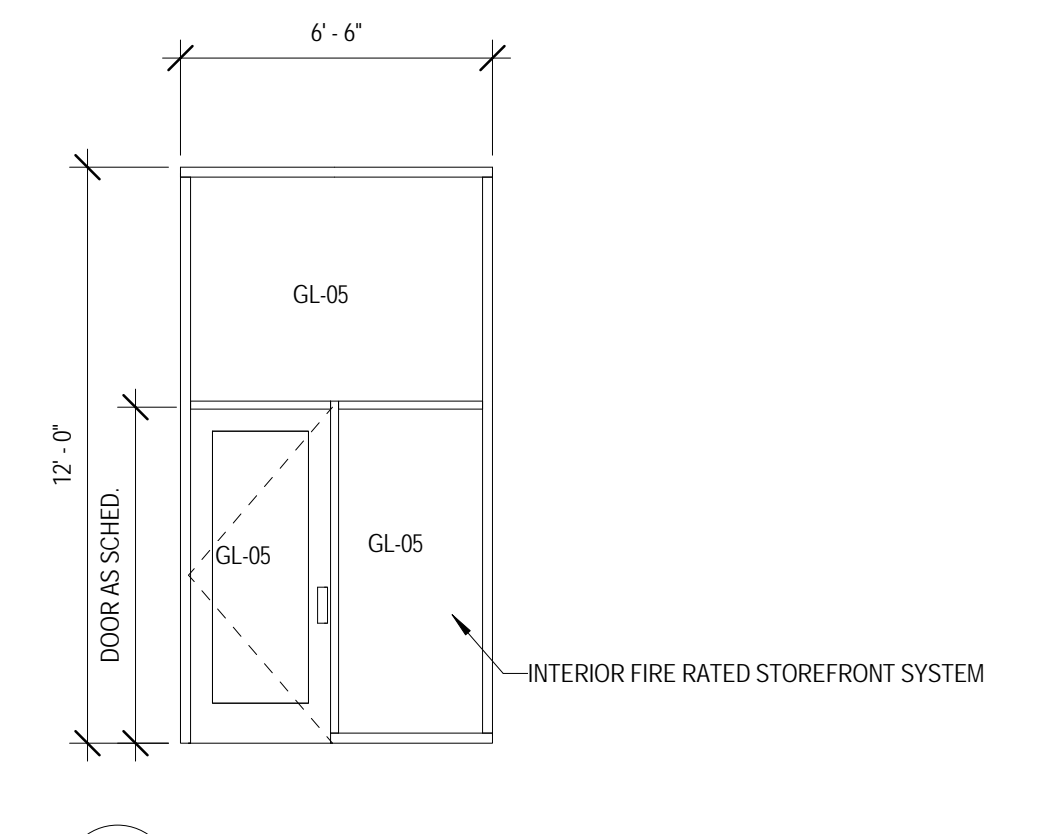
116 WINDOW ELEVATION
 1/4" = 1'-0"



117 WINDOW ELEVATION
 1/4" = 1'-0"



118 WINDOW ELEVATION
 1/4" = 1'-0"



201 WINDOW ELEVATION
 1/4" = 1'-0"

GLAZING SCHEDULE	
GL-01	1/4" CLEAR TEMPERED GLASS
GL-02	3/8" CLEAR TEMPERED GLASS
GL-03	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-3)
GL-04	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-4)
GL-05	FIRE RATED GLAZING
GL-06	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-1)
GL-07	1/4" CLEAR TEMPERED GLASS W/ PRESSURE APPLIED VINYL FILM (V-2)
GL-08	1/4" TEMPERED ONE WAY VISION GLASS
GL-09	1/2" TEMPERED DECORATIVE FRITTED GLASS
GL-10	1" INSULATED, TEMPERED CLEAR GLASS
GL-11	1" INSULATED, TEMPERED SPANDREL GLASS
GL-12	1" INSULATED, TEMPERED CLEAR FRITTED GLASS
GL-13	1" INSULATED, TEMPERED SPANDREL FRITTED GLASS
GL-14	1" INSULATED, TEMPERED CLEAR FRITTED GLASS
GL-15	1" INSULATED, TEMPERED SPANDREL FRITTED GLASS
GL-16	1" INSULATED, TEMPERED CLEAR GLASS

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
WINDOW ELEVATIONS

SHEET NUMBER:
A10.14



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 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

WALL FINISH TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
EPXT	EPOXY PAINT	SEE SPEC	WHITE
FRP	FIBER REINFORCED WALL PANELS	SEE SPEC	WHITE
P-1	GENERAL PAINT	SHERWIN WILLIAMS	SW7004 SNOWBOUND
P-2	CEILING WHITE PAINT	BENJAMIN MOORE	TBD
P-3	LT GRAY PAINT	BENJAMIN MOORE	1605 WINTER SOLISTICE
P-4	YELLOW ACCENT PAINT	BENJAMIN MOORE	297 GOLDEN HONEY
P-5	BLUE ACCENT PAINT	BENJAMIN MOORE	840 KENSINGTON BLUE
P-6	BLACK ACCENT PAINT	SHERWIN WILLIAMS	SW6091 BLACK MAGIC
P-7	ORANGE ACCENT PAINT	ICI	50YR 23/365 AMBER COAST
P-8	LIGHT GREY PAINT	BENJAMIN MOORE	1604 SILVERY MOON
P-9	CEILING TAPE PAINT	BENJAMIN MOORE	1005 HAZEL WOOD
P-10	MEDIUM GREY PAINT	BENJAMIN MOORE	2121-20 STEEL WOOL
P-11	LIGHT BRICK PAINT	BENJAMIN MOORE	1161 BIRCHWOOD
P-12	DARK BRICK PAINT	BENJAMIN MOORE	2112-30 STONE BROWN
P-13	TAN WOOD PAINT	BENJAMIN MOORE	1101 FENNEL SEED
P-14	CHARCOAL ACCENT PAINT	BENJAMIN MOORE	HC-166 KENDALL CHARCOAL
SS-4	SOLID SURFACE	MEGACRYL	501 SAN RAFAEL
WC	VINYL WALLCOVERING	D.L. COUCH	RHYTHM OF THE STRIPE COLOR: 2VR5-01, 03, 05, 09, 11
WDP	WOOD VENEER PANEL	SEE SPEC	SEE INTERIOR ELEVATION FOR DETAIL - CLEAR MAPLE
WDS	WALL MOUNTED LINEAR WOOD SLAT SYSTEM	SEE SPEC	SEE INTERIOR ELEVATION FOR DETAIL - CLEAR MAPLE
WT-1	TOILET ROOM WALL TILE, BLUE GLASS MOSAIC	CROSSVILLE	GLASS BLOX G039, COLOR: AMETHYST, SIZE: 1X1
WT-2	TOILET ROOM WALL TILE, LIGHT TAN	CROSSVILLE	COLOR BLOX, COLOR: SANDBOX, SIZE: 12X4
WT-3	TOILET ROOM WALL TILE, DARK TAN	CROSSVILLE	COLOR BLOX, COLOR: ROASTED MARSHMALLOW, SIZE: 12X4
WT-4	RECTANGULAR WALL TILE, DARK BLUE	DALTILE	COLOR WAVE, SIZE: 3X6, COLOR: TWILIGHT BLUE
WT-5	RECTANGULAR WALL TILE, CHARCOAL	VIRGINIA TILE	CAESAR ONE, COLOR: TLE, CHARCOAL, SIZE: 12X24
WT-6	PATTERN WALL TILE	VIRGINIA TILE	CAESAR ONE, MIX DECO, SIZE: 12X12

WALL BASE TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
EPKY	4" INTEGRAL RESINOUS EPOXY COVE BASE W/ DECORATIVE BROADCAST	SEE SPEC	DARK GREY CUSTOM BLEND
RB-1	4" H COVE RUBBER BASE	JOHNSONITE	21 PLATINUM
RB-2	2 1/2" H COVE RUBBER BASE	BURKE	840 CANARY
RB-3	4" H COVE RUBBER BASE	JOHNSONITE	63 BURNT UMBER
RB-4	1 1/2" RB QUARTER ROUND	JOHNSONITE	21 PLATINUM
RB-5	2 1/2" H COVE RUBBER BASE	JOHNSONITE	21 PLATINUM
RB-6	4" H COVE RUBBER BASE	JOHNSONITE	460 COTTON
RB-7	4" H STRAIGHT RB BASE	JOHNSONITE	63 BURNT UMBER
RB-8	4" H COVE RUBBER BASE	JOHNSONITE	262 DRIZZLE
RB-9	4" H STRAIGHT RB BASE	JOHNSONITE	21 PLATINUM
RB-10	4" H COVE RUBBER BASE	JOHNSONITE	465 SEAFARER
RB-11	4" H STRAIGHT RB BASE	JOHNSONITE	465 SEAFARER
RB-12	4" H COVE RUBBER BASE	JOHNSONITE	165 SQUASHED
RB-13	4" H STRAIGHT RB BASE	JOHNSONITE	165 SQUASHED
SS	4" H STAINLESS STEEL COVE BASE	SEE SPEC	
UCB	6" H TROWELED CEMENTITIOUS URETHANE INTEGRAL BASE	SEE SPEC	CUSTOM BLEND

FLOOR FINISH TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
CPT-1	CARPET TILE	INTERFACE	SL930, COLOR: GRAPHITE FADE
CPT-2	CARPET TILE	INTERFACE	HARMONIZE, COLOR: IRON
CPT-3	CARPET TILE	INTERFACE	TECTONICS, COLOR: BINARY
CPT-4	CARPET TILE	INTERFACE	ON BOARD, COLOR: EBONY
CPT-5	CARPET TILE	INTERFACE	MONOCHROME, COLOR: FIREBRICK
EPKY-1	RESINOUS EPOXY FLOOR W/ DECORATIVE BROADCAST	SEE SPEC	MEDIUM GRAY CUSTOM BLEND
EPKY-2	RESINOUS EPOXY FLOOR W/ DECORATIVE BROADCAST	SEE SPEC	DARK GRAY CUSTOM BLEND
RST	RUBBER STAIR TREAD	ROPPE	SAFTCORK Z100
RT	RUBBER TILE	ROPPE	SAFTCORK Z100
T-1	TOILET ROOM PORCELAIN TILE, SQUARE	CROSSVILLE	COLOR BLOX, COLOR: I SEE THE MOON, SIZE: 18X18
T-2	SERVERY PORCELAIN TILE, SQUARE	CERAMIC TECHNICS	SIENNA WOOD, COLOR: OAK, SIZE: 6X6
T-3	SERVERY PORCELAIN TILE, SQUARE	CERAMIC TECHNICS	PAVIMENTI STONE, SOAPSTONE, SIZE: 18X18
UC	TROWELED URETHANE CEMENTITIOUS FLOORING	SEE SPEC	CUSTOM BLEND
VCT-1	LT GREY VCT, 12X24	ARMSTRONG	RAFFIA, COLOR: SNOWDRIFT
VCT-2	MD GREY VCT, 12X24	ARMSTRONG	RAFFIA, COLOR: PLATINUM
VCT-3	CHARCOAL VCT, 12X24	ARMSTRONG	STRATIONS, COLOR: MINDHIT
VCT-4	YELLOW VCT, 12X24	ARMSTRONG	RAFFIA, COLOR: BUTTERCUP
VCT-5	WHITE VCT, 12X24	ARMSTRONG	STRATIONS, COLOR: ATMOSPHERE
VCT-6	WHITE VCT, 12X12	ARMSTRONG	MIGRATIONS, COLOR: ICE WHITE
VCT-7	GREY VCT, 12X12	ARMSTRONG	MIGRATIONS, COLOR: GLACIER GREY
WLKF	WALKOFF CARPET TILE	INTERFACE	FLOOR, COLOR: ANTHRACITE

FINISH PLAN REFERENCED NOTES:

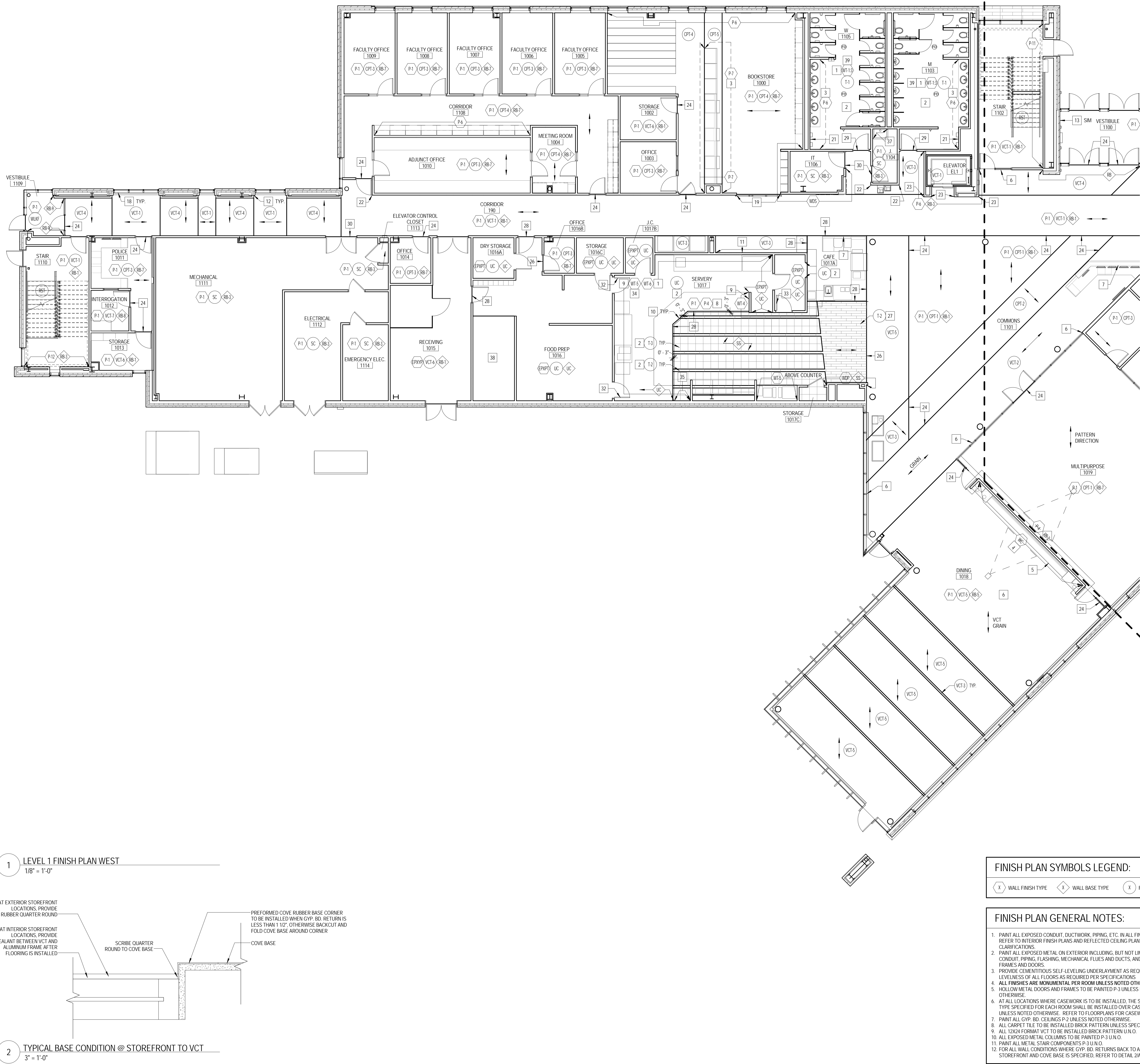
- SEE ELEVATIONS FOR WALL TILE EXTENTS AND PATTERNS
- PROVIDE SCHLUTER DILEX-EHK AT ALL FLOOR PERIMETER BETWEEN FLOOR AND WALL TILE AND VERTICAL INSIDE TILE CORNERS. PROVIDE SCHLUTER JOLLY AT ALL OUTSIDE TILE CORNERS
- DASHED LINE INDICATES PAINT ON SOFFIT ABOVE
- SEE ELEVATION FOR PATTERN/COLOR LAYOUT
- INSTALL RB-1 TO INSIDE FACE OF MILLWORK TOE KICK
- REFER TO DETAIL 2A11.01 FOR TYPICAL BASE CONDITION WHERE VCT MEETS INTERIOR AND EXTERIOR STOREFRONT
- PROVIDE RB-6 @ INSIDE PERIMETERS OF MILLWORK
- SEE ELEVATIONS FOR PAINT EXTENTS/LOCATIONS
- TROWEL UC TO STAINLESS STEEL INSIDE CORNER COVE TRIM @ FLOOR
- TROWEL UC FLOORING GRADUALLY AS REQUIRED SO THAT IT FLUSH WITH FACE OF ADJ. FLOOR TILE
- STOP TILE 4" ABOVE FINISH FLOOR @ LOCATION WHERE IT MEETS VCT TO ALLOW FOR INSTALLATION OF RUBBER BASE
- INSTALL RB-4 @ BRICK AND EXTERIOR FRAME LOCATION, SCRIBE RB-4 TO RB-1 @ GYP. BD. PARTITION LOCATION
- DO NOT INSTALL BASE ON BRICK @ PIERS
- PAINT SOFFIT AND SOFFIT FACE ABOVE P-7
- PAINT SOFFIT AND SOFFIT FACE ABOVE P-5
- FROM FINISH FLOOR TO 4" A.F.F.
- PROVIDE A HORIZONTAL WALL REVEAL @ 3" O.F.A.F.F.
- INSTALL RB-4 @ ALL EXTERIOR FRAME LOCATIONS WHERE VCT ABUTTS FRAME
- INSTALL RB-4 @ ALL EXTERIOR FRAME LOCATIONS WHERE COVE MEETS STRAIGHT BASE @ OUTSIDE CORNER. PAINT TO MATCH BASE
- ALSO VCT PATTERN WITH OUTSIDE OF EXTERIOR WINDOW FRAMES (TYP)
- REFER TO ELEVATIONS FOR EXTENTS OF SS-4 BELOW HAND DRIVERS
- PROVIDE CC-1 FROM 4" A.F.F. TO CEILING ABOVE
- PROVIDE CC-2 FROM 4" A.F.F. TO CEILING ABOVE
- PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF ADJ. CARPET. PROVIDE TRANS-2 BETWEEN FLOORING TYPES
- PROVIDE TRANS-1 BETWEEN FLOORING TYPES
- PROVIDE TRANS-2 BETWEEN FLOORING TYPES
- MODIFY DEPTH OF MORTAR TO ENSURE FACE OF TILE IS FLUSH WITH ADJACENT VCT FLOOR FINISH
- ADJUST THICKNESS OF URETHANE FLOORING AS REQUIRED TO BRING FACE OF FLOOR FLUSH WITH ADJACENT FACE OF VCT AND TILE. PROVIDE TRANS-2 BETWEEN TWO MATERIALS
- PROVIDE TRANS-3 @ FLOORING TYPE TRANSITION
- PROVIDE TRANS-4 @ FLOORING TYPE TRANSITION
- ADJUST THICKNESS OF EPOXY FLOORING AS NECESSARY @ FLOORING TRANSITION TO ENSURE ADJACENT FLOORING TYPES ARE FLUSH. PROVIDE TRANS-2 BETWEEN FLOORING TYPES
- PAINT H.M. DOORFRAME P-14
- PAINT H.M. DOORFRAME P-5
- HOLLOW METAL TILE @ OFF FINISHED FLOOR TO ALLOW FOR INSTALLATION OF BASE BELOW
- PROVIDE 6" H SS COVE BASE AT THIS LOCATION
- PROVIDE RB-4 AT ALL FREESTANDING CASEWORK
- INSTALL FRP FROM 4" A.F.F. TO 3" O.F.A.F.F. AND EXTEND PANELS 3'-0" IN EACH DIRECTION FROM CORNER OF WALL BEHIND SINK
- NO FLOOR, NO BASE (BARE CONCRETE FLOOR, COOLER LOCATION)
- INSTALL TILE HORIZONTALLY IN HALF OFFSET PATTERN

FINISH PLAN SYMBOLS LEGEND:

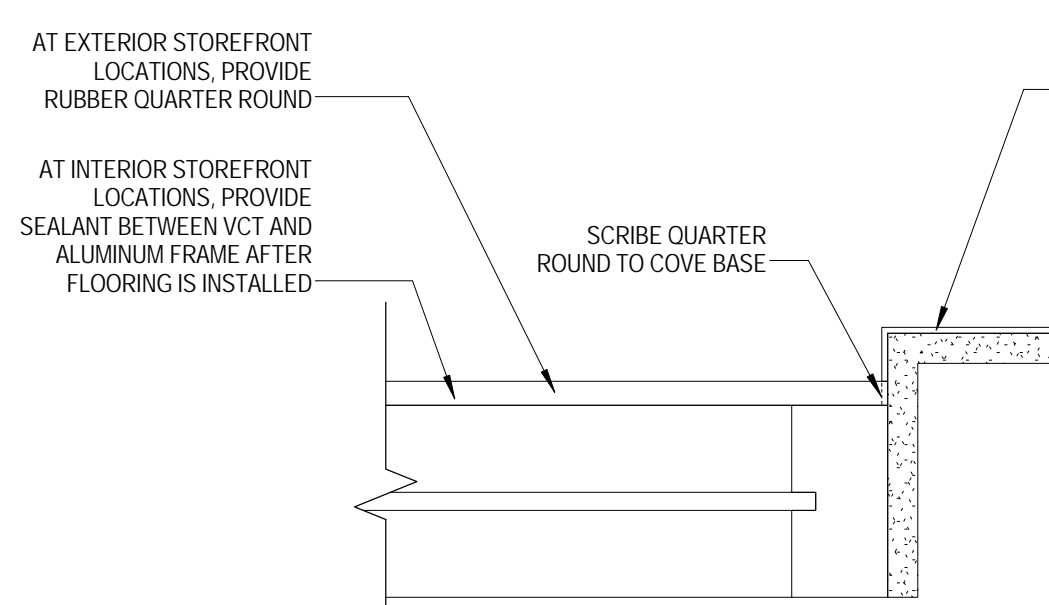
- (X) WALL FINISH TYPE
- (◇) WALL BASE TYPE
- (X) FLOOR FINISH TYPE

FINISH PLAN GENERAL NOTES:

- PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS
- PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO, CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS
- PROVIDE CEMENTITIOUS SELF-LEVELING UNDERLAYMENT AS REQUIRED TO ENSURE LEVELNESS OF ALL FLOORS AS REQUIRED PER SPECIFICATIONS
- ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE
- HOLLOW METAL DOORS AND FRAMES TO BE PAINTED P-3 UNLESS NOTED OTHERWISE
- AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE KICKS UNLESS NOTED OTHERWISE. REFER TO FLOOR PLANS FOR CASEWORK LOCATIONS
- PAINT ALL GYP. BD. CEILINGS P-2 UNLESS NOTED OTHERWISE
- ALL CARPET TILE TO BE INSTALLED BRICK PATTERN UNLESS SPECIFIED OTHERWISE
- ALL 12X24 FORMAT VCT TO BE INSTALLED BRICK PATTERN UNL.O.
- ALL EXPOSED METAL COLUMNS TO BE PAINTED P-3 UNL.O.
- PAINT ALL METAL STAIR COMPONENTS P-3 UNL.O.
- FOR ALL WALL CONDITIONS WHERE GYP. BD. RETURNS BACK TO ALUMINUM STOREFRONT AND COVE BASE IS SPECIFIED, REFER TO DETAIL 2A11.01



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



2 TYPICAL BASE CONDITION @ STOREFRONT TO VCT
 3" = 1'-0"

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 FINISH PLAN - WEST

SHEET NUMBER:

A11.01



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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

SHEET TITLE:
LEVEL 1 FINISH PLAN - EAST

SHEET NUMBER:
A11.02

9/18/2015 9:39:27 AM

WALL FINISH TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME#COLOR
EPXPT	EPOXY PAINT	SEE SPEC	WHITE
FRP	FIBER REINFORCED WALL PANELS	SEE SPEC	WHITE
P-1	GENERAL PAINT	SHERWIN WILLIAMS	SW7004 SNOWBOUND
P-2	CEILING WHITE PAINT	BENJAMIN MOORE	TBD
P-3	LT. GRAY PAINT	BENJAMIN MOORE	1605 WINTER SOLSTICE
P-4	YELLOW ACCENT PAINT	BENJAMIN MOORE	297 GOLDEN HONEY
P-5	BLUE ACCENT PAINT	BENJAMIN MOORE	840 KENSINGTON BLUE
P-6	BLACK ACCENT PAINT	SHERWIN WILLIAMS	SW6991 BLACK MAGIC
P-7	ORANGE ACCENT PAINT	SEE SPEC	SV09 23766 AMBER COAST
P-8	LIGHT GREY PAINT	BENJAMIN MOORE	1604 SILVERY MOON
P-9	CEILING TALUPE PAINT	BENJAMIN MOORE	1005 HALEYWOOD
P-10	MEDIUM GREY PAINT	BENJAMIN MOORE	2121 20 STEEL WOOL
P-11	LIGHT BRICK PAINT	BENJAMIN MOORE	1161 BRICKWOOD
P-12	DARK BRICK PAINT	BENJAMIN MOORE	2112 30 STONE BROWN
P-13	TAN WOOD PAINT	BENJAMIN MOORE	1101 FENNEL SEED
P-14	CHARCOAL ACCENT PAINT	BENJAMIN MOORE	HC-166 KENDALL CHARCOAL
SS-4	SOLID SURFACE	MEGANITE	501 SAN RAFAEL
WC	VINYL WALLCOVERING	D.L. COUCH	RHYTHM OF THE STRIPE. COLOR: 24RS-01, 03, 05, 09, 11
WDP	WOOD VENEER PANEL	SEE SPEC	SEE INTERIOR ELEVATION FOR DETAIL - CLEAR MAPLE
WDS	WALL MOUNTED LINEAR WOOD SLAT SYSTEM	SEE SPEC	SEE INTERIOR ELEVATION FOR DETAIL - CLEAR MAPLE
WT-1	TOILET ROOM WALL TILE. BLUE GLASS MOSAIC	CROSSVILLE	GLASS BLOX G039. COLOR: AMETHYST. SIZE: 1X1
WT-2	TOILET ROOM WALL TILE. LIGHT TAN	CROSSVILLE	COLOR BLOX. COLOR: SANBLOX. SIZE: 12X24
WT-3	TOILET ROOM WALL TILE. DARK TAN	CROSSVILLE	COLOR BLOX. COLOR: ROASTED MARSHMALLOW. SIZE: 12X24
WT-4	RECTANGULAR WALL TILE. DARK BLUE	DALTILE	COLOR WAVE. SIZE: 3X6. COLOR: TWILIGHT BLUE
WT-5	RECTANGULAR WALL TILE. CHARCOAL	VIRGINIA TILE	CAESAR. ONE. COLOR: GROUND. SIZE: 12X24
WT-6	PATTERN WALL TILE	VIRGINIA TILE	CAESAR. ONE. MIX DECO. SIZE: 12X12

WALL BASE TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME#COLOR
EPXY	4" INTEGRAL RESINOUS EPOXY COVE BASE W/ DECORATIVE BROADCAST	SEE SPEC	DARK GREY CUSTOM BLEND
RB-1	4"H COVE RUBBER BASE	JOHNSONITE	21 PLATINUM
RB-2	2 1/2" COVE RUBBER BASE	BURKE	840 CANARY
RB-3	4"H COVE RUBBER BASE	JOHNSONITE	63 BURNT UMBER
RB-4	1/2" RB QUARTER ROUND	JOHNSONITE	21 PLATINUM
RB-5	2 1/2" COVE RUBBER BASE	JOHNSONITE	21 PLATINUM
RB-6	4"H COVE RUBBER BASE	JOHNSONITE	440 COTTON
RB-7	4"H STRAIGHT RB BASE	JOHNSONITE	63 BURNT UMBER
RB-8	4"H COVE RUBBER BASE	JOHNSONITE	262 DRIZZLE
RB-9	4"H STRAIGHT RB BASE	JOHNSONITE	21 PLATINUM
RB-10	4"H COVE RUBBER BASE	JOHNSONITE	465 SEAFARER
RB-11	4"H STRAIGHT RB BASE	JOHNSONITE	465 SEAFARER
RB-12	4"H COVE RUBBER BASE	JOHNSONITE	165 SQUASHED
RB-13	4"H STRAIGHT RB BASE	JOHNSONITE	165 SQUASHED
SS	4"H STAINLESS STEEL COVE BASE	SEE SPEC	CUSTOM BLEND
UCB	6"H TROWELED CEMENTITIOUS URETHANE INTEGRAL BASE	SEE SPEC	CUSTOM BLEND

FLOOR FINISH TYPES:

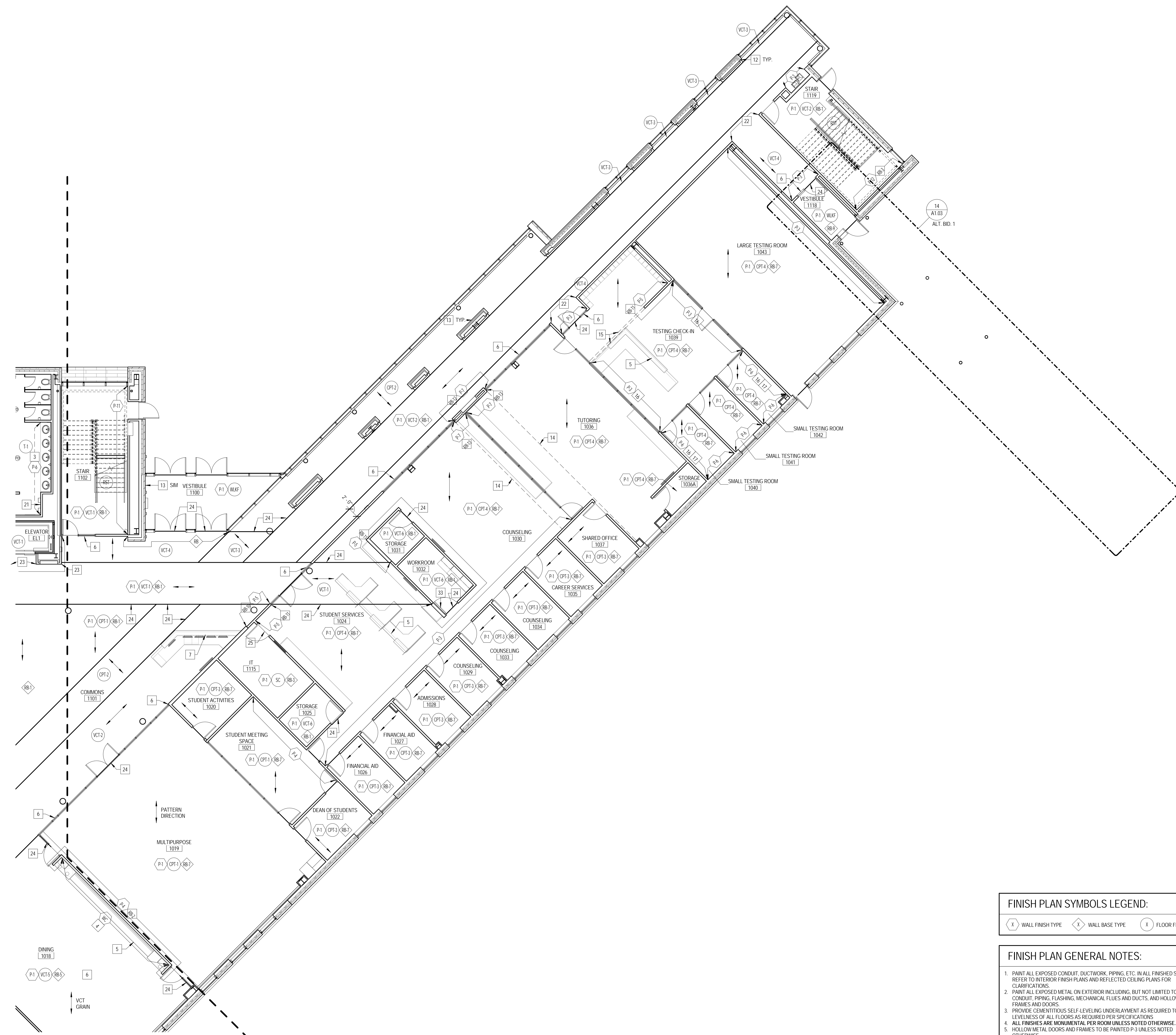
TYPE	DESCRIPTION	MANUFACTURER	NAME#COLOR
CPT-1	CARPET TILE	INTERFACE	SL-930 COLOR: GRAPHITE FADE
CPT-2	CARPET TILE	INTERFACE	HARMONIC. COLOR: IRON
CPT-3	CARPET TILE	INTERFACE	TECTONIC. COLOR: BINARY
CPT-4	CARPET TILE	INTERFACE	ON BOARD. COLOR: EBONY
CPT-5	CARPET TILE	INTERFACE	MONOCHROME. COLOR: FIREBRICK
EPXY-1	RESINOUS EPOXY FLOOR W/ DECORATIVE BROADCAST	SEE SPEC	MEDIUM GRAY CUSTOM BLEND
EPXY-2	RESINOUS EPOXY FLOOR W/ DECORATIVE BROADCAST	SEE SPEC	DARK GRAY CUSTOM BLEND
RST	RUBBER STAIR TREAD	ROPPE	SAFTCORK 2100
RT	RUBBER TILE	ROPPE	SAFTCORK 2100
T-1	TOILET ROOM PORCELAIN TILE. SQUARE	CROSSVILLE	COLOR BLOX. COLOR: SEE TILE WOOD. SIZE: 18X18
T-2	SERVERY PORCELAIN TILE. 6X36	CERAMIC TECHNICS	SIENNA WOOD. COLOR: OAK. SIZE: 6X36
T-3	SERVERY PORCELAIN TILE. SQUARE	CERAMIC TECHNICS	PAVIMENTI STONE. SOAPSTONE. SIZE: 18X18
UC	TROWELED URETHANE CEMENTITIOUS FLOORING	SEE SPEC	CUSTOM BLEND
VCT-1	LT GREY VCT. 12X24	ARMSTRONG	RAFFIA. COLOR: SNOWDRIFT
VCT-2	MD GREY VCT. 12X24	ARMSTRONG	RAFFIA. COLOR: PLATINUM
VCT-3	CHARCOAL VCT. 12X24	ARMSTRONG	STRIATIONS. COLOR: MIDNIGHT
VCT-4	YELLOW VCT. 12X24	ARMSTRONG	RAFFIA. COLOR: BUTTERCUP
VCT-5	WHITE VCT. 12X24	ARMSTRONG	STRIATIONS. COLOR: ATMOSPHERE
VCT-6	WHITE VCT. 12X12	ARMSTRONG	MIGRATIONS. COLOR: ICE WHITE
VCT-7	GREY VCT. 12X12	ARMSTRONG	MIGRATIONS. COLOR: GLACIER GREY
WLKF	WALKOFF CARPET TILE	INTERFACE	FLOOR. COLOR: ANTHRACITE

- ### FINISH PLAN REFERENCED NOTES:
- SEE ELEVATIONS FOR WALL TILE EXTENTS AND PATTERNS
 - PROVIDE SCHLUTER DILEX-EHK AT ALL FLOOR PERIMETER BETWEEN FLOOR AND WALL TILE AND VERTICAL INSIDE TILE CORNERS. PROVIDE SCHLUTER JOLLY AT ALL OUTSIDE TILE CORNERS
 - DASHED LINE INDICATES POINT ON SOFFIT ABOVE
 - SEE ELEVATION FOR PATTERNCOLOR LAYOUT
 - INSTALL RB-3 TO INSIDE FACE OF MILLWORK TOE KICK
 - REFER TO DETAIL 2/11.01 FOR TYPICAL BASE CONDITION WHERE VCT MEETS INTERIOR AND EXTERIOR STOREFRONT
 - PROVIDE RB-6 @ INSIDE PERIMETERS OF MILLWORK
 - SEE ELEVATIONS FOR PAINT EXTENTS/LOCATIONS
 - TROWEL UC TO STAINLESS STEEL INSIDE CORNER COVE TRIM @ FLOOR
 - TROWEL UC FLOORING GRADUALLY AS REQUIRED SO THAT IT IS FLUSH WITH FACE OF ADJ. FLOOR TILE
 - STOP TILE 4" ABOVE FINISH FLOOR @ LOCATION WHERE IT MEETS VCT TO ALLOW FOR INSTALLATION OF RUBBER BASE
 - INSTALL RB-4 @ BRICK AND EXTERIOR FRAME LOCATION. SCRIBE RB-4 TO RB-1 @ GYP. BD. PARTITION LOCATION
 - DO NOT INSTALL BASE ON BRICK @ PIERS
 - PAINT SOFFIT AND SOFFIT FACE ABOVE P-1
 - PAINT SOFFIT AND SOFFIT FACE ABOVE P-5
 - PROVIDE A HORIZONTAL WALL REVEAL @ 3'-0" A.F.F.
 - INSTALL RB-4 @ ALL EXTERIOR FRAME LOCATIONS WHERE VCT ABUTTS FRAME
 - REFER TO ELEVATIONS FOR EXTENTS OF SS-4 BELOW HAND DRYERS
 - PROVIDE CG-1 FROM 4" A.F.F. TO CEILING ABOVE
 - PROVIDE CG-2 FROM 4" A.F.F. TO CEILING ABOVE
 - PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY BUMP UP AND BRING FACE OF VCT FLUSH WITH FACE OF ADJ. CARPET. PROVIDE TRANS-2 BETWEEN FLOORING TYPES
 - PROVIDE TRANS-3 @ FLOORING TYPE TRANSITION
 - PROVIDE TRANS-4 @ FLOORING TYPE TRANSITION
 - ADJUST THICKNESS OF EPOXY FLOORING AS NECESSARY @ FLOORING TRANSITION TO ENSURE ADJACENT FLOORING TYPES ARE FLUSH. PROVIDE TRANS-2 BETWEEN FLOORING TYPES
 - PAINT H.M. DOORFRAME P-14
 - PAINT H.M. DOORFRAME P-5
 - HOLD WALL TILE 6" OFF FINISH FLOOR TO ALLOW FOR INSTALLATION OF BASE BELOW
 - PROVIDE 4"X5" COVE WALL BASE AT THIS LOCATION
 - INSTALL FRP FROM 4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" IN EACH DIRECTION FROM CORNER OF WALL BEHIND SINK
 - NO FLOOR, NO BASE (BARE CONCRETE FLOOR). COOLER LOCATION
 - INSTALL TILE HORIZONTALLY IN HALF OFFSET PATTERN

FINISH PLAN SYMBOLS LEGEND:

	WALL FINISH TYPE		WALL BASE TYPE		FLOOR FINISH TYPE
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- ### FINISH PLAN GENERAL NOTES:
- PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS
 - PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO: CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS
 - PROVIDE CEMENTITIOUS SELF-LEVELING UNDERLAYMENT AS REQUIRED TO ENSURE LEVELNESS OF ALL FLOORS AS REQUIRED PER SPECIFICATIONS
 - ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE
 - HOLLOW METAL DOORS AND FRAMES TO BE PAINTED P-3 UNLESS NOTED OTHERWISE
 - AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE KICKS UNLESS NOTED OTHERWISE. REFER TO FLOOR PLANS FOR CASEWORK LOCATIONS
 - PAINT ALL GYP. BD. CEILING P-2 UNLESS NOTED OTHERWISE
 - PAINT ALL METAL STAIR COMPONENTS P-3 UNLESS NOTED OTHERWISE
 - FOR ALL WALL CONDITIONS WHERE GYP. BD. RETURNS BACK TO ALUMINUM STOREFRONT AND COVE BASE IS SPECIFIED, REFER TO DETAIL 2/11.01



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



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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

NO. DESCRIPTION DATE:

SHEET TITLE:
**LEVEL 2 FINISH PLAN
 - WEST**

SHEET NUMBER:

A11.03

9/18/2015 9:39:35 AM

WALL FINISH TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
EPXPT	EPOXY PAINT	SEE SPEC	WHITE
FRP	FIBER REINFORCED WALL PANELS	SEE SPEC	WHITE
P-1	GENERAL PAINT	SHERWIN WILLIAMS	SW7004 SNOWBOUND
P-2	CEILING WHITE PAINT	BENJAMIN MOORE	TBD
P-3	LT. GRAY PAINT	BENJAMIN MOORE	1605 WINTER SOLISTICE
P-4	YELLOW ACCENT PAINT	BENJAMIN MOORE	297 GOLDEN HONEY
P-5	BLUE ACCENT PAINT	BENJAMIN MOORE	840 KENSINGTON BLUE
P-6	BLACK ACCENT PAINT	SHERWIN WILLIAMS	SW991 BLACK MAGIC
P-7	ORANGE ACCENT PAINT	JCI	50YR 2306S AMBER COAST
P-8	LIGHT GREY PAINT II	BENJAMIN MOORE	1604 SILVERLY MOON
P-9	CEILING TALPE PAINT	BENJAMIN MOORE	1006 HAZLEWOOD
P-10	MEDIUM GRAY PAINT	BENJAMIN MOORE	2121 20 STEEL WOOL
P-11	LIGHT BRICK PAINT	BENJAMIN MOORE	1161 BRICKWOOD
P-12	DARK BRICK PAINT	BENJAMIN MOORE	2112 30 STONE BROWN
P-13	TAN WOOD PAINT	BENJAMIN MOORE	1101 FENNEL SEED
P-14	CHARCOAL ACCENT PAINT	BENJAMIN MOORE	HC 166 KENDALL CHARCOAL
SS-4	SOLID SURFACE	MEGANITE	501 SAN RAFAEL
WC	VINYL WALLCOVERING	D.L. COUCH	RHYTHM OF THE STRIPE, COLOR: 2902-D1 03 06 09 11
WDP	WOOD VENEER PANEL	SEE SPEC	SEE INTERIOR ELEVATION FOR DETAIL - CLEAR MAPLE
WDS	WALL MOUNTED LINEAR WOOD SLAT SYSTEM	SEE SPEC	SEE INTERIOR ELEVATION FOR DETAIL - CLEAR MAPLE
WT-1	TOILET ROOM WALL TILE, BLUE GLASS MOSAIC	CROSSVILLE	GLASS BLDX G09, COLOR: AMETHYST, SIZE: 1X1
WT-2	TOILET ROOM WALL TILE, LIGHT TAN	CROSSVILLE	COLOR BLDX, COLOR: SANDBOX, SIZE: 12X24
WT-3	TOILET ROOM WALL TILE, DARK TAN	CROSSVILLE	COLOR BLDX, COLOR: ROASTED MARSHMALLOW, SIZE: 12X24
WT-4	RECTANGULAR WALL TILE, TWILIGHT BLUE	DALTILE	COLOR WAVE, SIZE: 3X6, COLOR: TWILIGHT BLUE
WT-5	RECTANGULAR WALL TILE, CHARCOAL	VIRGINIA TILE	CAESAR, ONE, COLOR: GROUND, SIZE: 12X24
WT-6	PATTERN WALL TILE	VIRGINIA TILE	CAESAR, ONE, MIX DECO, SIZE: 12X12

WALL BASE TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
EPXY	4" INTEGRAL RESINOUS EPOXY COVE BASE W/ DECORATIVE BROADCAST	SEE SPEC	DARK GREY CUSTOM BLEND
RB-1	4" H COVE RUBBER BASE	JOHNSONITE	21 PLATINUM
RB-2	2.5" H COVE RUBBER BASE	BURKE	840 CANARY
RB-3	4" H COVE RUBBER BASE	JOHNSONITE	63 BURNT LUMBER
RB-4	1/2" RB QUARTER ROUND	JOHNSONITE	21 PLATINUM
RB-5	2.5" H COVE RUBBER BASE	JOHNSONITE	21 PLATINUM
RB-6	4" H COVE RUBBER BASE	JOHNSONITE	400 COTTON
RB-7	4" H STRAIGHT RB BASE	JOHNSONITE	63 BURNT LUMBER
RB-8	4" H COVE RUBBER BASE	JOHNSONITE	262 DRIZZLE
RB-9	4" H STRAIGHT RB BASE	JOHNSONITE	21 PLATINUM
RB-10	4" H COVE RUBBER BASE	JOHNSONITE	465 SEAFARER
RB-11	4" H STRAIGHT RB BASE	JOHNSONITE	465 SEAFARER
RB-12	4" H COVE RUBBER BASE	JOHNSONITE	165 SQUASHED
RB-13	4" H STRAIGHT RB BASE	JOHNSONITE	165 SQUASHED
SS	4" H STAINLESS STEEL COVE BASE	SEE SPEC	
UCB	4" H TROWELED CEMENTITIOUS URETHANE INTEGRAL BASE	SEE SPEC	CUSTOM BLEND

FLOOR FINISH TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
CPT-1	CARPET TILE	INTERFACE	SL308, COLOR: GRAPHITE FADE
CPT-2	CARPET TILE	INTERFACE	HARMONIZE, COLOR: IRON
CPT-3	CARPET TILE	INTERFACE	TECTONICS, COLOR: BINARY
CPT-4	CARPET TILE	INTERFACE	ON BOARD, COLOR: EBONY
CPT-5	CARPET TILE	INTERFACE	MONOCHROME, COLOR: FIREBRICK
EPXY-1	RESINOUS EPOXY FLOOR W/ DECORATIVE BROADCAST	SEE SPEC	MEDIUM GRAY CUSTOM BLEND
EPXY-2	RESINOUS EPOXY FLOOR W/ DECORATIVE BROADCAST	SEE SPEC	DARK GRAY CUSTOM BLEND
RST	RUBBER STAIR TREAD	ROPPE	SAFTCORK Z100
RT	RUBBER TILE	ROPPE	SAFTCORK Z100
T-1	TOILET ROOM PORCELAIN TILE, SQUARE	CROSSVILLE	COLOR BLDX, COLOR: 1 SEE THE MOON, SIZE: 18X18
T-2	SERVERY PORCELAIN TILE, 6X6	CERAMIC TECHNICS	SIENNA WOOD, COLOR: OAK, SIZE: 6X6
T-3	SERVERY PORCELAIN TILE, SQUARE	CERAMIC TECHNICS	PAVIMENT STONE, COLOR: SAPSTONE, SIZE: 18X18
UC	TROWELED URETHANE CEMENTITIOUS FLOORING	SEE SPEC	CUSTOM BLEND
VCT-1	LT GREY VCT, 12X24	ARMSTRONG	RAFFIA, COLOR: SNOWDRIFT
VCT-2	MD GREY VCT, 12X24	ARMSTRONG	RAFFIA, COLOR: PLATINUM
VCT-3	CHARCOAL VCT, 12X24	ARMSTRONG	STRATIONS, COLOR: MIDNIGHT
VCT-4	YELLOW VCT, 12X24	ARMSTRONG	RAFFIA, COLOR: BUTTERFLY
VCT-5	WHITE VCT, 12X24	ARMSTRONG	STRATIONS, COLOR: ATMOSPHERE
VCT-6	WHITE VCT, 12X12	ARMSTRONG	MIGRATIONS, COLOR: ICE WHITE
VCT-7	GREY VCT, 12X12	ARMSTRONG	MIGRATIONS, COLOR: GLACIER GREY
WLF	WALKOFF CARPET TILE	INTERFACE	FLOOR, COLOR: ANTHRACITE

FINISH PLAN REFERENCED NOTES:

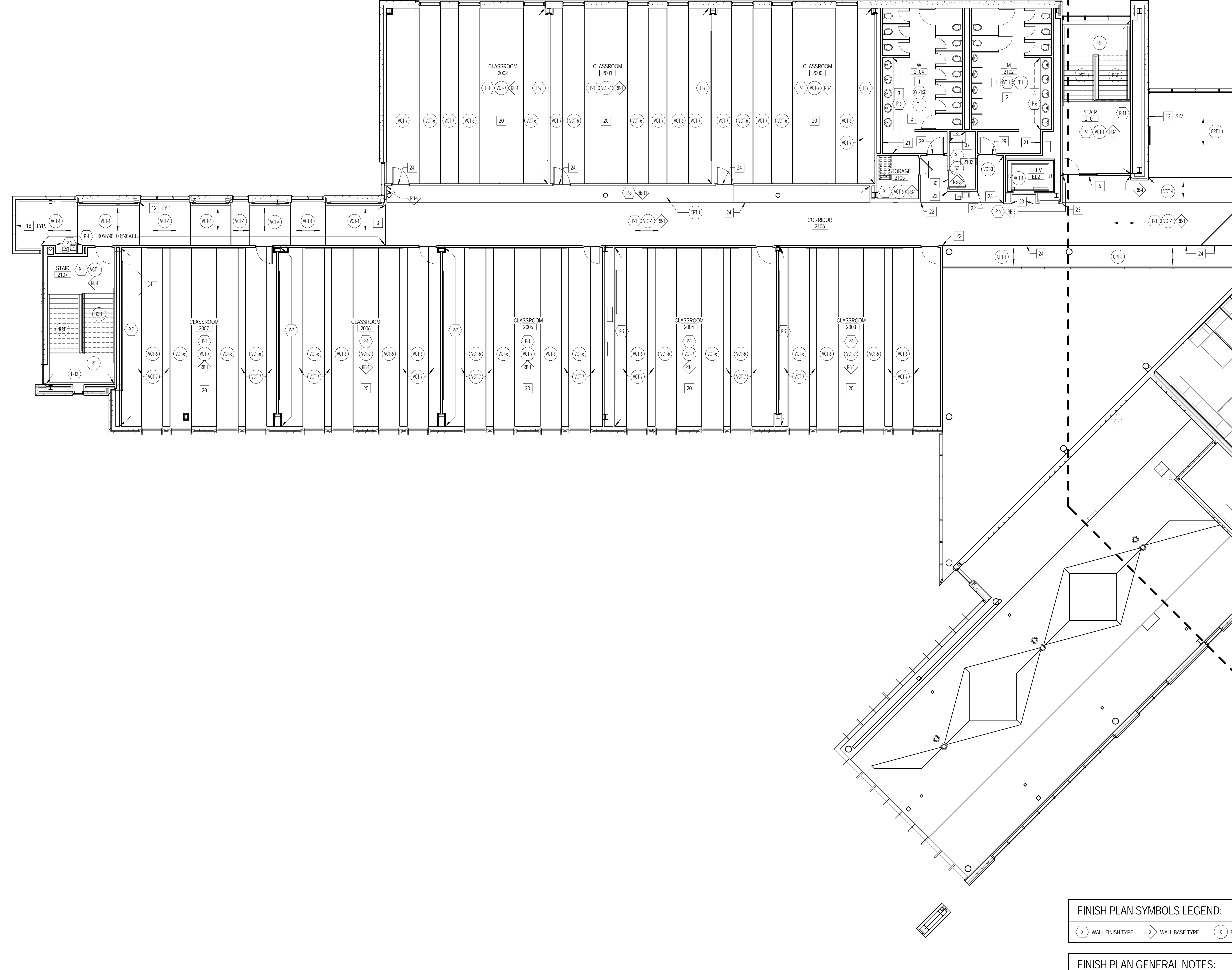
- SEE ELEVATIONS FOR WALL TILE EXTENTS AND PATTERNS
- PROVIDE SCHLUTTER BULK-HEAD AT ALL FLOOR PERIMETER BETWEEN FLOOR AND WALL TILE AND VERTICAL INSIDE TILE CORNERS. PROVIDE SCHLUTTER JOPLY AT ALL WALL TILE CORNERS
- DASHED LINE INDICATES PAINT ON SOFFIT ABOVE
- SEE ELEVATION FOR PATTERNCOLOR LAYOUT
- INSTALL RB-3 TO INSIDE FACE OF MILLWORK TOE KICK
- REFER TO DETAIL 2A11.01 FOR TYPICAL BASE CONDITION WHERE VCT MEETS INTERIOR AND EXTERIOR STOREFRONT
- PROVIDE RB-6 @ INSIDE PERIMETERS OF MILLWORK
- SEE ELEVATIONS FOR PAINT EXTENTS LOCATIONS
- PROVIDE UC TO STAINLESS STEEL INSIDE CORNER COVE TRIM @ FLOOR
- TROWEL UC FLOORING GRADUALLY AS REQUIRED SO THAT IT IS FLUSH WITH FACE OF ADJ. FLOOR TILE
- STOP TILE 4" ABOVE FINISH FLOOR @ LOCATION WHERE IT MEETS VCT TO ALLOW FOR INSTALLATION OF RUBBER BASE
- INSTALL RB-4 @ BRICK AND EXTERIOR FRAME LOCATION. SCRIBE RB-4 TO RB-1 @ GYP. BD. PARTITION LOCATION
- DO NOT INSTALL BASE ON BRICK @ PIERS
- PAINT SOFFIT AND SOFFIT FACE ABOVE P-3
- PAINT SOFFIT AND SOFFIT FACE ABOVE P-5
- PROVIDE A HORIZONTAL WALL REVEAL @ 3'-0" A.F.F.
- INSTALL RB-4 @ ALL EXTERIOR FRAME LOCATIONS WHERE VCT BUTTS FRAME BASE @ OUTSIDE CORNER. PAINT TO MATCH BASE
- ALIGN VCT PATTERN WITH OUTSIDE OF EXTERIOR WINDOW FRAMES (TYP.)
- PROVIDE PAINTED 1/2" X 1/2" SQUARE WOOD PLINTH WHERE COVE MEETS STRAIGHT BASE @ OUTSIDE CORNER. PAINT TO MATCH BASE
- REFER TO ELEVATIONS FOR EXTENTS OF SS-4 BELOW HAND DRYERS
- PROVIDE CG-1 FROM 4" A.F.F. TO CEILING ABOVE
- PROVIDE CG-2 FROM 4" A.F.F. TO CEILING ABOVE
- PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH W/ FACE OF ADJ. CARPET.
- PROVIDE TRANS-2 BETWEEN FLOORING TYPES
- PROVIDE TRANS-1 BETWEEN FLOOR FINISHES
- PROVIDE TRANS-2 BETWEEN FLOORING TYPES
- MODIFY DEPTH OF MORTAR TO ENSURE FACE OF TILE IS FLUSH WITH ADJACENT VCT FLOOR FINISH
- ADJUST THICKNESS OF URETHANE FLOORING AS REQUIRED TO BRING FACE OF FLOOR FLUSH WITH ADJACENT FACE OF VCT AND TILE. PROVIDE TRANS-2 BETWEEN TWO FLOOR FINISH
- PROVIDE TRANS-3 @ FLOORING TYPE TRANSITION
- PROVIDE TRANS-4 @ FLOORING TYPE TRANSITION
- ADJUST THICKNESS OF EPOXY FLOORING AS NECESSARY @ FLOORING TRANSITION TO ENSURE ADJACENT FLOORING TYPES ARE FLUSH. PROVIDE TRANS-2 BETWEEN FLOORING TYPES
- PAINT H.M. DOORFRAME P-14
- PAINT H.M. DOORFRAME P-5
- HOLD WALL TILE 0" OFF FINISHED FLOOR TO ALLOW FOR INSTALLATION OF BASE BELOW
- PROVIDE PHS-1 COVE WALL BASE AT THIS LOCATION
- PROVIDE RB-3 AT ALL FREESTANDING CASEWORK
- INSTALL FRP FROM 0'-4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" IN EACH DIRECTION FROM CORNER OF WALL BEHIND SHK.
- NO FLOOR, NO BASE (BARE CONCRETE FLOOR), COOLER LOCATION
- INSTALL TILE HORIZONTALLY IN HALF-OFFSET PATTERN

FINISH PLAN SYMBOLS LEGEND:

- WALL FINISH TYPE
- WALL BASE TYPE
- FLOOR FINISH TYPE

FINISH PLAN GENERAL NOTES:

- PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS.
- PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO: CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS.
- PROVIDE CEMENTITIOUS SELF-LEVELING UNDERLAYMENT AS REQUIRED TO ENSURE LEVELNESS OF ALL FLOORS AS REQUIRED PER SPECIFICATIONS
- ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE.
- HOLLOW METAL DOORS AND FRAMES TO BE PAINTED P-3 UNLESS NOTED OTHERWISE.
- AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE KICKS UNLESS NOTED OTHERWISE. REFER TO FLOORPLANS FOR CASEWORK LOCATIONS.
- PAINT ALL GYP. BD. CEILINGS P-2 UNLESS NOTED OTHERWISE.
- ALL CARPET TILE TO BE INSTALLED BRICK PATTERN UNLESS SPECIFIED OTHERWISE.
- ALL 12X24 FORMAT VCT TO BE INSTALLED BRICK PATTERN U.N.O.
- ALL EXPOSED METAL COLUMNS TO BE PAINTED P-3 U.N.O.
- PAINT ALL METAL STAIR COMPONENTS P-3 U.N.O.
- FOR ALL WALL CONDITIONS WHERE GYP. BD. RETURNS BACK TO ALLUMINUM STOREFRONT AND COVE BASE IS SPECIFIED, REFER TO DETAIL 2A11.01



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



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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**LEVEL 2 FINISH PLAN
 - EAST**

SHEET NUMBER:

A11.04

9/18/2015 9:39:42 AM

WALL FINISH TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
EPXPT	EPOXY PAINT	SEE SPEC	WHITE
FRP	FIBER REINFORCED WALL PANELS	SEE SPEC	WHITE
P-1	GENERAL PAINT	SHERWIN WILLIAMS	S17004 SNOWBOUND
P-2	CEILING WHITE PAINT	BENJAMIN MOORE	TBD
P-3	LT. GRAY PAINT	BENJAMIN MOORE	1605 WINTER SOLSTICE
P-4	YELLOW ACCENT PAINT	BENJAMIN MOORE	297 GOLDEN HONEY
P-5	BLUE ACCENT PAINT	BENJAMIN MOORE	840 KENSINGTON BLUE
P-6	BLACK ACCENT PAINT	SHERWIN WILLIAMS	SW6991 BLACK MAGIC
P-7	ORANGE ACCENT PAINT	SYRUS ZYRUS	23266 AMBER COAST
P-8	LIGHT GREY PAINT	BENJAMIN MOORE	1604 SILVER MOON
P-9	CEILING TALPE PAINT	BENJAMIN MOORE	1005 HALVEWOOD
P-10	MEDIUM GREY PAINT	BENJAMIN MOORE	2121.20 STEEL WOOL
P-11	LIGHT BRICK PAINT	BENJAMIN MOORE	1161 BIRCHWOOD
P-12	DARK BRICK PAINT	BENJAMIN MOORE	2122.30 STONE BROWN
P-13	TAN WOOD PAINT	BENJAMIN MOORE	1101 FENNEL SEED
P-14	CHARCOAL ACCENT PAINT	BENJAMIN MOORE	HC-166 KENDALL CHARCOAL
SS-4	SOLID SURFACE	MEGANITE	501 SAN RAFAEL
WC	VINYL WALLCOVERING	D.L. COUCH	RHYTHM OF THE STRIPE. COLOR: 2095-01, 03, 05, 09, 11
WDP	WOOD VENEER PANEL	SEE SPEC	SEE INTERIOR ELEVATION FOR DETAIL - CLEAR MAPLE
WDS	WALL MOUNTED LINEAR WOOD SLAT SYSTEM	SEE SPEC	SEE INTERIOR ELEVATION FOR DETAIL - CLEAR MAPLE
WT-1	TOILET ROOM WALL TILE. BLUE GLASS MOSAIC	CROSSVILLE	GLASS BLOK 0309, COLOR: AMETHYST, SIZE: 1X1
WT-2	TOILET ROOM WALL TILE. LIGHT TAN	CROSSVILLE	COLOR BLOK, COLOR: SANDBOX, SIZE: 12X24
WT-3	TOILET ROOM WALL TILE. DARK TAN	CROSSVILLE	COLOR BLOK, COLOR: ROASTED MARSHMALLOW, SIZE: 12X24
WT-4	RECTANGULAR WALL TILE. DARK BLUE	DALTILE	COLOR WAVE, SIZE: 3X6, COLOR: TWILIGHT BLUE
WT-5	RECTANGULAR WALL TILE. CHARCOAL	VIRGINIA TILE	CAESAR, ONE, COLOR: GROUND, SIZE: 12X24
WT-6	PATTERN WALL TILE	VIRGINIA TILE	CAESAR, ONE, MIX DECO, SIZE: 12X12

WALL BASE TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
EPXY	4" INTEGRAL RESINOUS EPOXY COVE BASE W/ DECORATIVE BROADCAST	SEE SPEC	DARK GREY CUSTOM BLEND
RB-1	4" COVE RUBBER BASE	JOHNSONITE	21 PLATINUM
RB-2	2 1/2" COVE RUBBER BASE	BURKE	840 CANARY
RB-3	4" COVE RUBBER BASE	JOHNSONITE	63 BURNT LUMBER
RB-4	1/2" RB QUARTER ROUND	JOHNSONITE	21 PLATINUM
RB-5	2 1/2" COVE RUBBER BASE	JOHNSONITE	21 PLATINUM
RB-6	4" COVE RUBBER BASE	JOHNSONITE	460 COTTON
RB-7	4" STRAIGHT RB BASE	JOHNSONITE	63 BURNT LUMBER
RB-8	4" COVE RUBBER BASE	JOHNSONITE	262 DRIZZLE
RB-9	4" STRAIGHT RB BASE	JOHNSONITE	21 PLATINUM
RB-10	4" COVE RUBBER BASE	JOHNSONITE	465 SEAFARER
RB-11	4" STRAIGHT RB BASE	JOHNSONITE	465 SEAFARER
RB-12	4" COVE RUBBER BASE	JOHNSONITE	165 SQUASHED
RB-13	4" STRAIGHT RB BASE	JOHNSONITE	165 SQUASHED
SS	4" STAINLESS STEEL COVE BASE	SEE SPEC	SEE SPEC
UCB	6" H TROWELED CEMENTITIOUS URETHANE INTEGRAL BASE	SEE SPEC	CUSTOM BLEND

FLOOR FINISH TYPES:

TYPE	DESCRIPTION	MANUFACTURER	NAME/COLOR
CPT-1	CARPET TILE	INTERFACE	SL930 COLOR: GRAPHITE FADE
CPT-2	CARPET TILE	INTERFACE	HARMONY, COLOR: IRON
CPT-3	CARPET TILE	INTERFACE	TECHNICS, COLOR: BINARY
CPT-4	CARPET TILE	INTERFACE	ON BOARD, COLOR: EBONY
CPT-5	CARPET TILE	INTERFACE	MONOCHROME, COLOR: FIREBRICK
EPXY-1	RESINOUS EPOXY FLOOR W/ DECORATIVE BROADCAST	SEE SPEC	MEDIUM GRAY CUSTOM BLEND
EPXY-2	RESINOUS EPOXY FLOOR W/ DECORATIVE BROADCAST	SEE SPEC	DARK GRAY CUSTOM BLEND
RST	RUBBER STAIR TREAD	ROPPE	SAFTCORK 2100
RT	RUBBER TILE	ROPPE	SAFTCORK 2100
T-1	TOILET ROOM PORCELAIN TILE, SQUARE	CROSSVILLE	COLOR BLOK, COLOR: 1SEE THE MOON, SIZE: 18X18
T-2	SERVERY PORCELAIN TILE, 6X36	CERAMIC TECHNICS	SIENNA WOOD, COLOR: OAK, SIZE: 6X36
T-3	SERVERY PORCELAIN TILE, SQUARE	CERAMIC TECHNICS	PAVIMENTI STONE, SOAPSTONE, SIZE: 18X18
UC	TROWELED URETHANE CEMENTITIOUS FLOORING	SEE SPEC	CUSTOM BLEND
VCT-1	LT GREY VCT, 12X24	ARMSTRONG	RAFFIA, COLOR: SNOWDRIFT
VCT-2	MD GREY VCT, 12X24	ARMSTRONG	RAFFIA, COLOR: PLATINUM
VCT-3	CHARCOAL VCT, 12X24	ARMSTRONG	STRIATIONS, COLOR: MIDNIGHT
VCT-4	YELLOW VCT, 12X24	ARMSTRONG	RAFFIA, COLOR: BUTTERCUP
VCT-5	WHITE VCT, 12X24	ARMSTRONG	STRIATIONS, COLOR: ATMOSPHERE
VCT-6	WHITE VCT, 12X12	ARMSTRONG	MIGRATIONS, COLOR: ICE WHITE
VCT-7	GREY VCT, 12X12	ARMSTRONG	MIGRATIONS, COLOR: GLACIER GREY
WLKF	WALKOFF CARPET TILE	INTERFACE	FLOOR, COLOR: ANTHRACITE

FINISH PLAN REFERENCED NOTES:

- SEE ELEVATIONS FOR WALL TILE EXTENTS AND PATTERNS
- PROVIDE SCHLUTER DILEX-EHK AT ALL FLOOR PERIMETER BETWEEN FLOOR AND WALL TILE AND VERTICAL INSIDE TILE CORNERS. PROVIDE SCHLUTER JOLLY AT ALL OUTSIDE TILE CORNERS
- DASHED LINE INDICATES PAINT ON SOFFIT ABOVE
- SEE ELEVATION FOR PATTERNS/COLOR LAYOUT
- INSTALL RB-3 TO INSIDE FACE OF MILLWORK TOE KICK
- REFER TO DETAIL 2/11.01 FOR TYPICAL BASE CONDITION WHERE VCT MEETS INTERIOR AND EXTERIOR STOREFRONT
- PROVIDE RB-4 @ INSIDE PERIMETERS OF MILLWORK
- SEE ELEVATIONS FOR PAINT EXTENTS/LOCATIONS
- TROWEL UC TO STAINLESS STEEL INSIDE CORNER COVE TRIM @ FLOOR
- TROWEL UC FLOORING GRADUALLY AS REQUIRED SO THAT IT IS FLUSH WITH FACE OF ADJ. FLOOR TILE
- STOP TILE 4" ABOVE FINISH FLOOR @ LOCATION WHERE IT MEETS VCT TO ALLOW FOR INSTALLATION OF RUBBER BASE
- INSTALL RB-4 @ BRICK AND EXTERIOR FRAME LOCATION, SCRIBE RB-4 TO RB-1 @ GYP. BD. PARTITION LOCATION
- DO NOT INSTALL BASE ON BRICK @ PIERS
- PAINT SOFFIT AND SOFFIT FACE ABOVE P-3
- PAINT SOFFIT AND SOFFIT FACE ABOVE P-5
- PAINT SOFFIT AND SOFFIT FACE ABOVE P-5
- PROVIDE A HORIZONTAL WALL REVEAL @ 3'-0" A.F.F.
- INSTALL RB-4 @ ALL EXTERIOR FRAME LOCATIONS WHERE VCT ABUTTS FRAME
- INSTALL RB-4 @ ALL EXTERIOR FRAME LOCATIONS WHERE VCT ABUTTS FRAME
- REFER TO ELEVATIONS FOR EXTENTS OF SS-4 BELOW HAND DRYERS
- PROVIDE CG-1 FROM 4" A.F.F. TO CEILING ABOVE
- PROVIDE CG-2 FROM 4" A.F.F. TO CEILING ABOVE
- PROVIDE CEMENTITIOUS UNDERLAYMENT AS REQUIRED UNDER VCT FLOORING TO GRADUALLY RAMP UP AND BRING FACE OF VCT FLUSH WITH FACE OF ADJ. CARPET. PROVIDE TRANS-2 BETWEEN FLOORING TYPES
- PROVIDE TRANS-2 BETWEEN FLOORING TYPES
- PROVIDE TRANS-3 @ FLOORING TYPE TRANSITION
- ADJUST THICKNESS OF EPOXY FLOORING AS NECESSARY @ FLOORING TRANSITION TO ENSURE ADJACENT FLOORING TYPES ARE FLUSH. PROVIDE TRANS-2 BETWEEN FLOORING TYPES
- PAINT H.M. DOOR/FRAME P-14
- PAINT H.M. DOOR/FRAME P-5
- HOLD WALL TILE @ FINISH FLOOR TO ALLOW FOR INSTALLATION OF BASE BELOW
- PROVIDE 4" SS COVE WALL BASE AT THIS LOCATION
- INSTALL FRP FROM 4" A.F.F. TO 5'-0" A.F.F. AND EXTEND PANELS 3'-0" IN EACH DIRECTION FROM CORNER OF WALL BEHIND SINK
- NO FLOOR, NO BASE (BARE CONCRETE FLOOR), COOLER LOCATION
- INSTALL TILE HORIZONTALLY IN HALF OFFSET PATTERN.

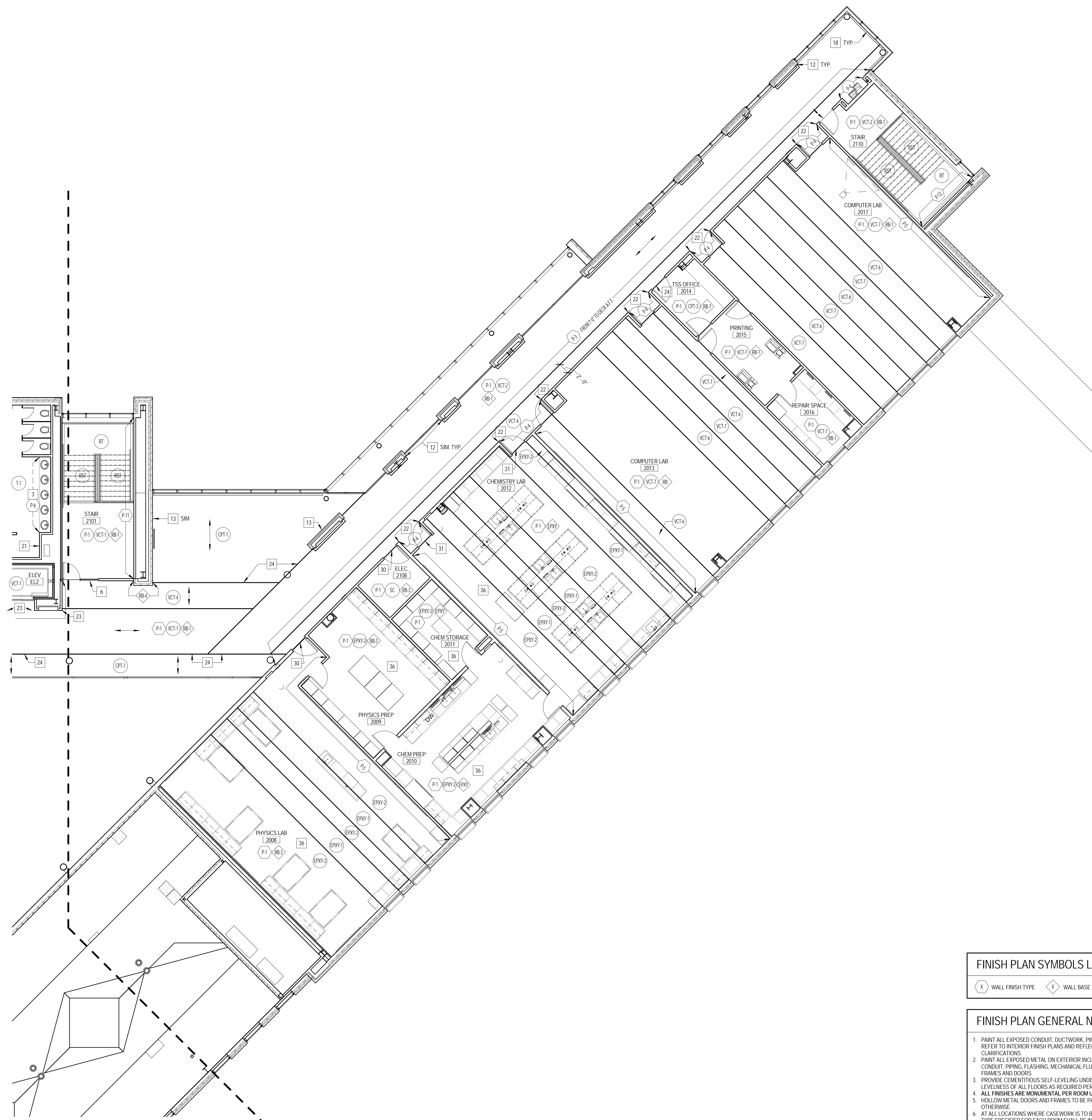
FINISH PLAN SYMBOLS LEGEND:

- WALL FINISH TYPE
- WALL BASE TYPE
- FLOOR FINISH TYPE

FINISH PLAN GENERAL NOTES:

- PAINT ALL EXPOSED CONDUIT, DUCTWORK, PIPING, ETC. IN ALL FINISHED SPACES. REFER TO INTERIOR FINISH PLANS AND REFLECTED CEILING PLANS FOR CLARIFICATIONS
- PAINT ALL EXPOSED METAL ON EXTERIOR INCLUDING, BUT NOT LIMITED TO: CONDUIT, PIPING, FLASHING, MECHANICAL FLUES AND DUCTS, AND HOLLOW METAL FRAMES AND DOORS
- PROVIDE CEMENTITIOUS SELF-LEVELING UNDERLAYMENT AS REQUIRED TO ENSURE LEVELNESS OF ALL FLOORS AS REQUIRED PER SPECIFICATIONS
- ALL FINISHES ARE MONUMENTAL PER ROOM UNLESS NOTED OTHERWISE
- HOLLOW METAL DOORS AND FRAMES TO BE PAINTED P-3 UNLESS NOTED OTHERWISE
- AT ALL LOCATIONS WHERE CASEWORK IS TO BE INSTALLED, THE SUBSEQUENT BASE TYPE SPECIFIED FOR EACH ROOM SHALL BE INSTALLED OVER CASEWORK TOE KICKS UNLESS NOTED OTHERWISE. REFER TO FLOOR PLANS FOR CASEWORK LOCATIONS.
- PAINT ALL GYP. BD. CEILINGS P-2 UNLESS NOTED OTHERWISE
- ALL CARPET TILE TO BE INSTALLED BRICK PATTERN UNLESS SPECIFIED OTHERWISE
- ALL 12X24 FORMBILT VCT TO BE INSTALLED BRICK PATTERN U.N.O.
- ALL EXPOSED METAL COLUMNS TO BE PAINTED P-3 U.N.O.
- PAINT ALL METAL STAIR COMPONENTS P-3 U.N.O.
- FOR ALL WALL CONDITIONS WHERE GYP. BD. RETURNS BACK TO ALUMINUM STOREFRONT AND COVE BASE IS SPECIFIED, REFER TO DETAIL 2/11.01

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





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 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

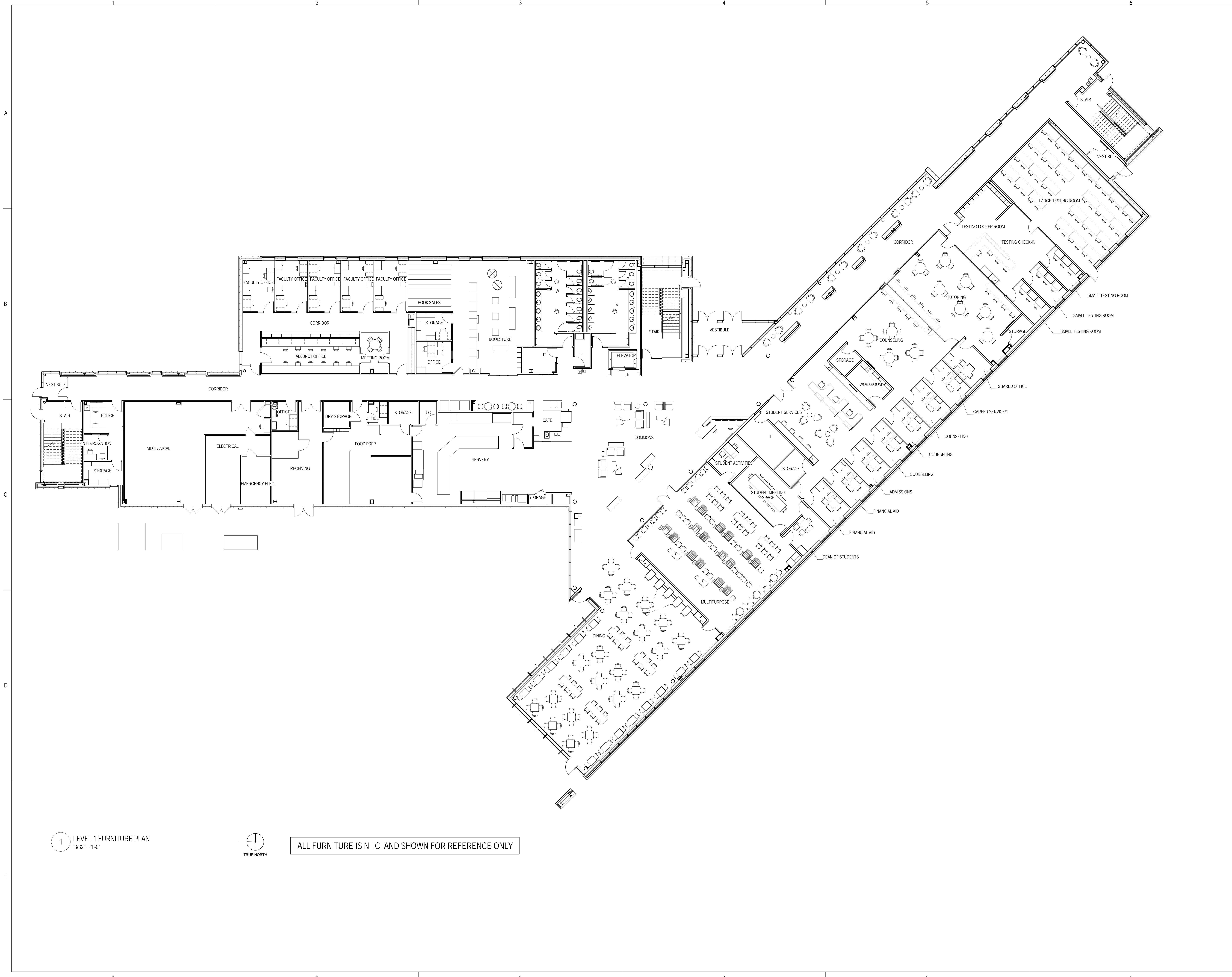
SHEET TITLE:

**LEVEL 1 FURNITURE
 PLAN (FOR
 REFERENCE ONLY)**

SHEET NUMBER:

A12.01

9/18/2015 9:39:56 AM



1 LEVEL 1 FURNITURE PLAN
 3/32" = 1'-0"



ALL FURNITURE IS N.I.C. AND SHOWN FOR REFERENCE ONLY



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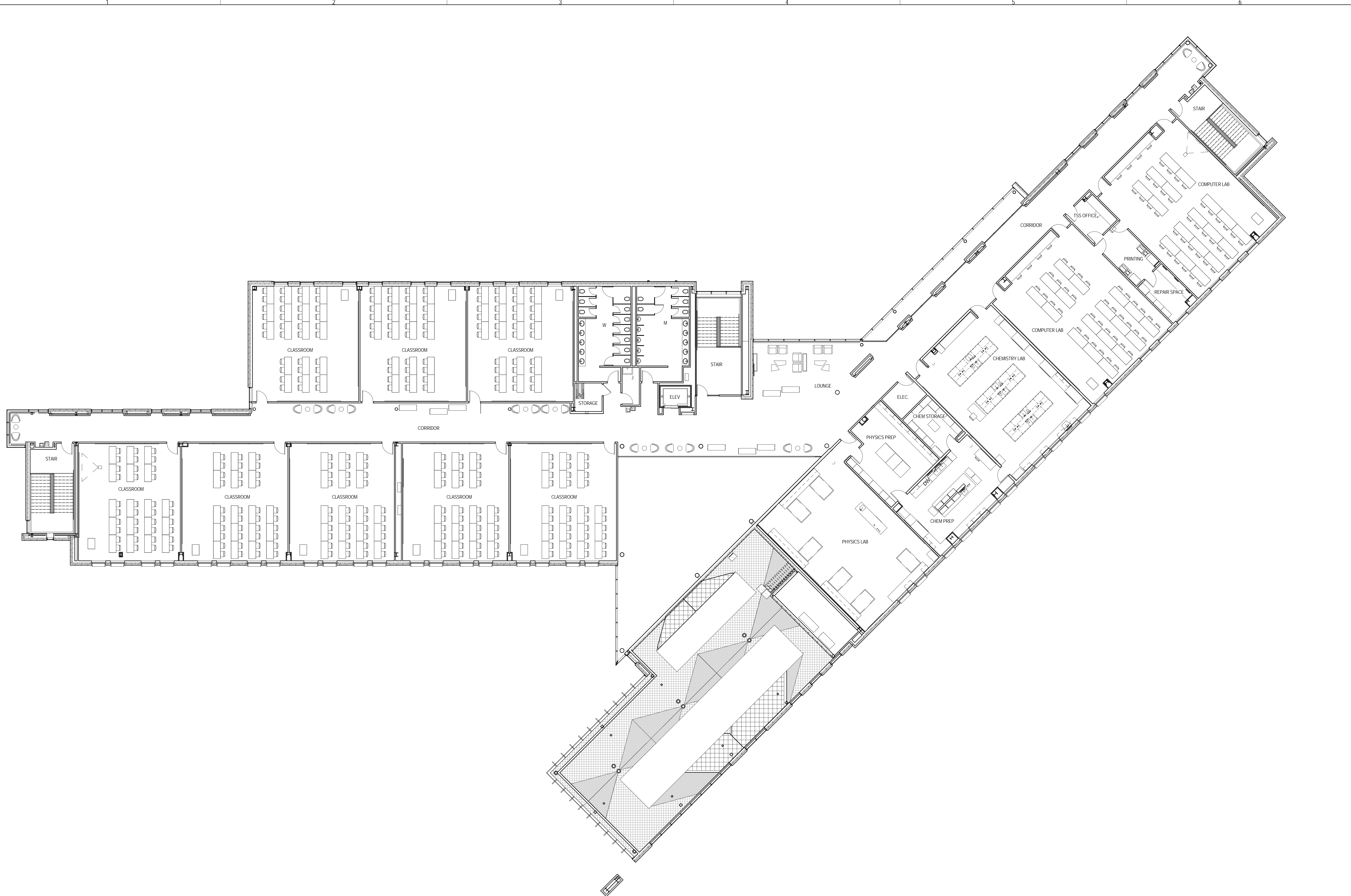
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**LEVEL 2 FURNITURE
 PLAN (FOR
 REFERENCE ONLY)**

SHEET NUMBER:

A12.02

9/18/2015 9:40:09 AM



1 LEVEL 2 FURNITURE PLAN
 3/32" = 1'-0"



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DESIGN CRITERIA

- 1. CODES: INTERNATIONAL BUILDING CODE (IBC) 2009 AMERICAN CONCRETE INSTITUTE BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-05) AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS ALLOWABLE STRENGTH DESIGN (ASD/AISC 360-05) THIRTEENTH EDITION, 2005 AMERICAN WELDING SOCIETY D1.1. 2. DESIGN LOADS: OCCUPANCY CATEGORY III BACKFILL EQUIVALENT FLUID PRESSURE 70 PCF SEISMIC (IBC) SOIL CLASSIFICATION C SPECTRAL RESPONSE ACCELERATION, Ss 0.193 g SPECTRAL RESPONSE ACCELERATION, S1 0.085 g SHORT PERIOD DESIGN ACCELERATION, Sbs 0.154 g LONG PERIOD DESIGN ACCELERATION, S01 0.074 g IMPORTANT ANGLES 1.25 SEISMIC DESIGN CATEGORY B SEISMIC FORCE RESISTING SYSTEM STEEL SYSTEM NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE RESPONSE MODIFICATION FACTOR, R 3 ANALYSIS PROCEDURE SIMPLIFIED ANALYSIS SEISMIC RESPONSE COEFFICIENT, Cs 0.065 DESIGN BASE SHEAR, V = Cs x W 265 KIPS WIND - PARAMETERS BASIC WIND SPEED 90 MPH IMPORTANCE FACTOR 1.15 EXPOSURE CLASS C WIND - MAIN WIND FORCE RESISTING SYSTEM PRESSURES DESIGN PRESSURE 20 PSF WIND - ELEMENTS AND COMPONENTS ROOF JOISTS 15 PSF NET UPLIFT (1.0WL+0.6DL, INCLUDING JOIST SELF-WEIGHT) LIVE LOADS CLASSROOMS 40 PSF UNREDUCIBLE CORRIDOR AND PUBLIC SPACE 100 PSF UNREDUCIBLE MECHANICAL PARTITIONS 15 PSF UNREDUCIBLE STAIRS 100 PSF UNREDUCIBLE SNOW LOADS GROUND SNOW LOAD 25 PSF SNOW EXPOSURE FACTOR 1.0 THERMAL FACTOR 1.0 IMPORTANCE FACTOR 1.1 FLAT ROOF SNOW LOAD 20 PSF DESIGN LOAD 25 PSF 3. NET ALLOWABLE SOIL BEARING PRESSURES SPREAD FOOTINGS/CONTINUOUS FOOTINGS 4000 PSF 4. MINIMUM FROST PROTECTION DEPTH FROM ADJACENT EXTERIOR FOOTING ADJACENT HEATED AREA -3'-0" INTERIOR FOOTINGS IN HEATED AREA -2'-0" 5. SPECIFIED 28-DAY CONCRETE COMPRESSIVE STRENGTHS (fc) FOOTINGS 3000 PSI FOUNDATION WALLS 4000 PSI SHAFT WALLS, ELEVATOR OR STAIR SLABS ON GRADE 3500 PSI TYPICAL - UNLESS NOTED OTHERWISE 4000 PSI 6. CONCRETE REINFORCING STEEL SHALL BE HIGH STRENGTH NEW BILLET STEEL CONFORMING TO THE FOLLOWING STANDARDS: DEFORMED BARS ASTM A615, GRADE 60 Fy = 60 KSI WELDED WIRE REINFORCING ASTM A185 Fy = 65 KSI 7. STRUCTURAL STEEL SHALL CONFORM TO THE FOLLOWING STANDARDS: WIDE FLANGE SECTIONS ASTM A992 Fy = 50 KSI OTHER ROLLED SECTIONS ASTM A36 Fy = 36 KSI SQUARE AND RECTANGULAR HSS ASTM A500, GR B Fy = 46 KSI ROUND HSS ASTM A500, GR B Fy = 42 KSI CAP AND BASE PLATES ASTM A36 Fy = 36 KSI CONNECTION MATERIAL ASTM A36 Fy = 36 KSI STIFFENER PLATES ASTM A36 Fy = 36 KSI ANCHOR RODS ASTM F1554, GR 36 Fy = 36 KSI HIGH STRENGTH BOLTS (AISC 360-05 ASD) TWIST-OFF BOLT/TWISTWASHER ASSEMBLIES ASTM F1852 Fy = 24 KSI HEAVY HEX NUTS ASTM A563 Fy = 36 KSI WASHERS ASTM F436 Fy = 36 KSI HEADED WELDED STEEL STUDS ASTM A108, TYPE B Fy = 36 KSI ELECTRODES FOR ARC WELDING AWS 5.1, E70XX 12. STEEL DECK AND ALL ACCESSORIES SHALL BE FORMED FROM STEEL SHEETS CONFORMING TO THE FOLLOWING STANDARDS: GALVANIZED FLOOR DECK ASTM A653, GR 50 [40] Fy = 50 [40] KSI GALVANIZED STEEL ROOF DECK ASTM A653, GR 33 Fy = 33 KSI

GENERAL NOTES

- 1. NEITHER THE PROFESSIONAL ACTIVITIES OF THE ENGINEER, NOR THE PRESENCE OF THE ENGINEER OR HIS OR HER EMPLOYEES AND SUBCONSULTANTS AT THE CONSTRUCTION SITE, SHALL RELIEVE THE CONTRACTOR AND ANY OTHER ENTITY OF THEIR OBLIGATIONS, DUTIES, AND RESPONSIBILITIES INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION MEANS, METHODS, SEQUENCE, TECHNIQUES, OR PROCEDURES NECESSARY FOR PERFORMING, SUPERINTENDING, OR COORDINATING ALL PORTIONS OF THE WORK OF CONSTRUCTION WITH THE CONTRACT DOCUMENTS AND ANY HEALTH OR SAFETY PRECAUTIONS REQUIRED BY ANY REGULATORY AGENCIES. THE ENGINEER AND HIS OR HER PERSONNEL HAVE NO AUTHORITY TO EXERCISE ANY CONTROL OVER ANY CONSTRUCTION CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY HEALTH OR SAFETY PRECAUTIONS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE JOBSITE SAFETY. THE ENGINEER AND THE ENGINEER'S CONSULTANTS SHALL BE MADE ADDITIONAL INSUREDS UNDER THE CONTRACTOR'S GENERAL LIABILITY INSURANCE POLICY. 2. STRUCTURAL DRAWINGS INCLUDE DESIGN REQUIREMENTS AND DIMENSIONS FOR STRUCTURAL INTEGRITY BUT DO NOT SHOW ALL DETAIL DIMENSIONS TO FIT INTRICATE ARCHITECTURAL AND MECHANICAL DETAILS. SO CONSTRUCT THE WORK SO THAT IT WILL CONFORM TO THE CLEARANCES REQUIRED BY ARCHITECTURAL, MECHANICAL AND ELECTRICAL DESIGN. 3. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS NOTED OTHERWISE, THEY DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. 4. DETAILS AND NOTES ON THE STRUCTURAL DRAWINGS ARE INTENDED TO BE TYPICAL FOR SIMILAR SITUATIONS ELSEWHERE. 5. ESTABLISH AND VERIFY ALL OPENINGS AND INSERTS FOR MECHANICAL, ELECTRICAL, AND PLUMBING WITH APPROPRIATE TRADE CONTRACTORS. OPENING SIZES AND LOCATIONS SHOWN FOR DUCTS, PIPES, INSERTS AND OTHER PENETRATIONS WHEN SHOWN ARE FOR GENERAL INFORMATION ONLY AND SHALL BE VERIFIED PRIOR TO FORMING. 6. DIMENSIONS, NOTES, AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. 7. REFER TO ARCHITECTURAL DRAWINGS FOR THE FOLLOWING: A. SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, UNLESS NOTED OTHERWISE. B. SIZE AND LOCATIONS OF ALL INTERIOR AND EXTERIOR MASONRY WALLS. C. SIZE AND LOCATION OF ALL CONCRETE CURBS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGES IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC. D. SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS UNLESS NOTED OTHERWISE. E. FLOOR, WALL AND ROOF FINISHES. F. STAIR FRAMING AND DETAILS. ALSO REFER TO STAIR MANUFACTURER'S APPROVED SHOP DRAWINGS. G. DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS. H. FIRE PROTECTION REQUIREMENTS. 8. REFER TO MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS FOR THE FOLLOWING: A. PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN. B. ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS. C. CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES. D. SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES OR CURBS AND ANCHOR BOLTS FOR MOTOR MOUNTS. 9. BEFORE SUBMITTING A PROPOSAL FOR THIS WORK, EACH BIDDER SHALL VISIT THE PREMISES AND BECOME FULLY ACQUAINTED WITH THE EXISTING CONDITIONS. TEMPORARY CONSTRUCTION REQUIRED, QUANTITIES AND TYPES OF EQUIPMENT, ETC. THE BID SHALL INCLUDE ALL SUMS REQUIRED TO DO THE WORK WITHIN THE EXISTING CONDITIONS. DISRUPTION OF NORMAL ACTIVITIES IN THE WORK AREA SHALL BE KEPT TO A MINIMUM. 10. SHOP DRAWINGS PREPARED BY SUPPLIERS, SUBCONTRACTORS, AND OTHERS SHALL BE REVIEWED AND COORDINATED PRIOR TO SUBMITTING TO THE ARCHITECT. EACH SHOP DRAWING SUBMITTED SHALL BE STAMPED, INITIALED AND DATED INDICATING REVIEW BY THE CONSTRUCTION MANAGER/GENERAL CONTRACTOR. 11. SHOP DRAWINGS PREPARED BY THE SUBCONTRACTORS, SUPPLIERS, AND OTHERS SHALL BE REVIEWED BY THE ARCHITECT ONLY FOR GENERAL PERFORMANCE WITH DESIGN CONCEPT ONLY. REVIEW BY THE ARCHITECT SHALL NOT BEGIN WITHOUT THE PRIOR COORDINATION AND REVIEW BY THE GENERAL CONTRACTOR. WORK SHALL NOT BEGIN WITHOUT REVIEW BY THE ARCHITECT. NOTATIONS MADE BY THE ARCHITECT ON THE SHOP DRAWINGS DO NOT RELIEVE THE CONTRACTOR FROM COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS. 12. OPTIONS ARE FOR THE CONTRACTOR'S CONVENIENCE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CHANGES RESULTING FROM CHOOSING AN OPTION AND SHALL COORDINATE ALL DETAILS. THE COST OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION SHALL BE BORNE BY THE CONTRACTOR. 13. THE COST OF ADDITIONAL DESIGN WORK DUE TO ERRORS OR OMISSIONS BY THE CONTRACTOR IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR. 14. ANY ENGINEERING DESIGN PROVIDED BY OTHERS AND SUBMITTED FOR REVIEW OR RECORD SHALL BEAR THE STAMP AND SIGNATURE OF A PROFESSIONAL STRUCTURAL ENGINEER REGISTERED IN THE STATE OF ILLINOIS. 15. ELEVATIONS ARE BASED ON THE FIRST FLOOR ELEVATION OF (+0'-0") WHICH IS EQUAL TO CIVIL ELEVATION OF (671.84).

FOUNDATIONS/SLAB-ON-GRADE

- 1. CROSS REFERENCE ARCHITECTURAL AND STRUCTURAL DRAWINGS TO ASSURE PROPER DIMENSIONS AND PLACEMENT OF ALL ANCHOR BOLTS, INSERTS, NOTCHES, EDGES IN GRADE BEAMS, FOUNDATION WALLS AND PIERS. 2. FOUNDATION DESIGN BASED ON GEOTECHNICAL ENGINEERING REPORT DATED JANUARY 29, 2015 BY ECS MIDWEST, LLC. REPORT IS ON FILE WITH THE ARCHITECT. 3. ALL EXCAVATIONS SHALL BE PROPERLY AND SAFELY BACKFILLED. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS BEFORE CONCRETE HAS ATTAINED SPECIFIED COMPRESSIVE STRENGTH. CONTRACTOR SHALL BRACE OR PROTECT ALL WALLS BELOW GRADE FROM LATERAL LOADS UNTIL SUPPORTING FLOOR IS COMPLETELY IN PLACE AND HAS ATTAINED FULL STRENGTH. CONTRACTOR SHALL PROVIDE FOR DESIGN, PERMITS, AND INSTALLATION OF SHORING AND/OR SHEETING. BACKFILLING IS NOT PERMITTED FOR FOUNDATION WALLS UNTIL SUPPORTED SLAB ABOVE IS IN PLACE OR THE WALL IS ADEQUATELY BRACED TO RESIST LATERAL LOADS. 4. UNLESS NOTED OTHERWISE, ALL FOOTINGS SHALL BE CENTERED UNDER WALLS, PIERS OR COLUMNS. 5. PROVIDE SAW CUT CONTROL JOINTS IN ALL SLABS-ON-GRADE. LOCATE JOINTS ALONG COLUMN LINES WITH INTERMEDIATE JOINTS SPACED AT A MAXIMUM OF 36 TIMES THE SLAB THICKNESS, UNLESS NOTED OTHERWISE. CONTROL JOINTS SHALL BE CONTINUOUS, NOT STAGGERED OR OFFSET. SLAB PANELS SHALL HAVE A MAXIMUM LENGTH TO WIDTH RATIO OF 1.5 TO 1. PROVIDE ADDITIONAL CONTROL JOINTS AT ALL RE-ENTRANT CORNERS FORMED IN SLAB ON GRADE.

REINFORCING STEEL

- 1. FOR CAST-IN-PLACE CONCRETE THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT UNLESS NOTED OTHERWISE: PERMANENTLY EXPOSED TO EARTH 3 INCHES CONCRETE EXPOSED TO EARTH OR WEATHER NO. 5 BARS OR LARGER 2 INCHES NO. 5 BARS SMALLER 1 1/2 INCHES SLABS, WALLS, JOISTS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH NO. 14 AND NO. 18 BARS 1 1/2 INCHES NO. 11 BARS OR SMALLER 3/4 INCHES BEAMS AND COLUMNS NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH 1 1/2 INCHES 2. DIMENSIONS OF CONCRETE COVER FOR REINFORCEMENT INDICATED ON DRAWINGS ARE TO OUTERMOST REINFORCING BARS. FOR BEAMS OR COLUMNS WITH STIRRUPS OR TIES, CLEAR COVER INDICATED IS TO STIRRUPS OR TIES. 3. BAR SPLICES: SPLICE REINFORCING WHERE INDICATED ON THE DRAWINGS. ALL SPLICES SHALL BE CLASS 'B' AS DEFINED IN ACI 318. IF SPLICE LENGTH IS NOT GIVEN ON THE DRAWINGS, PROVIDE LAP LENGTHS (IN INCHES) AS FOLLOWS: 3000 PSI CONCRETE 4000 PSI CONCRETE BAR SIZE OTHER TOP OTHER TOP #3 22 28 19 25 #4 29 38 26 33 #5 36 47 31 41 #6 43 56 37 49 #7 51 64 37 71 #8 58 72 43 62 81 #9 65 81 50 70 91 #10 72 91 58 79 102 #11 81 101 67 87 114 LAP LENGTHS SHALL CLEAR SPACING BETWEEN BARS OF 2 BAR DIAMETERS, AND A MINIMUM COVER OF 1 BAR DIAMETER. FOR DEVELOPMENT LENGTHS, DIVIDE BY 1.3. TOP BARS ARE DEFINED AS HORIZONTAL BARS WITH MORE THAN 1'-0" OF FRESH CONCRETE BELOW. 4. EPOXY FOR EPOXY DOWELING SHALL BE HILTI RE 500 SD, POWERS PE 1000+, OR SIMPSON SET XP. EMBEDMENT LENGTH SHALL BE AS INDICATED ON THE DRAWINGS. INSTALL PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

POST INSTALLED STEEL ANCHORS

- 1. POST INSTALLED EXPANSION ANCHORS SERVING AS THE BASIS OF DESIGN ARE SHOWN ON THE DRAWINGS. ALTERNATE ANCHORS MAY BE SUPPLIED PROVIDED THAT THE QUANTITY AND CONFIGURATION MATCHES THE CAPACITY OF THE DESIGN ANCHOR QUANTITY AND CONFIGURATION. ANY ACCEPTABLE ALTERNATES ARE TO BE SUBMITTED TO THE STRUCTURAL ENGINEER FOR REVIEW. INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS. THE FOLLOWING TABLE SUMMARIZES THE EXPANSION ANCHORS USED ON THE PROJECT:

Table with 3 columns: ANCHORED INTO, BASIS OF DESIGN, ACCEPTABLE ALTERNATES AT CONTRACTOR'S OPTION. Includes rows for Hollow CMU, Grouted CMU, and Cracked/Un-cracked Concrete.

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STRUCTURAL STEEL

- 1. REFER TO DRAWINGS FOR DETAIL OF DECK OPENINGS. REFER TO ARCHITECTURAL, MECHANICAL, ELECTRICAL DRAWINGS, ETC., FOR EXACT SIZE, LOCATION, AND COUNT OF REQUIRED OPENINGS. UNLESS NOTED OTHERWISE ALL WELDS SHALL BE CONTINUOUS 1/4" FILLET WELDS. 2. HIGH STRENGTH BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS. SEE DESIGN CRITERIA FOR BOLT SIZE AND MATERIAL. ASTM DESIGNATION. 3. BOLTS IN SLOTTED HOLES SHALL BE LOCATED IN THE CENTER OF THE HOLE AFTER FIELD ASSEMBLY IS COMPLETE. UNLESS DETAILED OTHERWISE. 4. ALL LATERAL LOAD RESISTANCE AND STABILITY OF THE BUILDING IN THE COMPLETED STRUCTURE IS PROVIDED BY MOMENT FRAMES. WELDED BEAM TO COLUMN CONNECTIONS FRAMED IN EACH ORTHOGONAL DIRECTION (SEE PLAN SHEETS FOR LOCATIONS). THE COMPOSITE STEEL DECK AND CONCRETE FLOORS SERVE AS HORIZONTAL DIAPHRAGMS THAT DISTRIBUTE THE LATERAL WIND AND SEISMIC FORCES HORIZONTALLY TO THE VERTICAL LATERAL FRAMES. THE VERTICAL MOMENT FRAMES CARRY THE APPLIED LATERAL LOADS TO THE BUILDING FOUNDATION.

STEEL JOISTS

- 1. DESIGN, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE STEEL JOIST INSTITUTE (SJI) SPECIFICATION BY A MEMBER OF THE SJI APPROVED FOR THE TYPE OF JOIST BEING USED. IN LIEU OF THE ABOVE REQUIREMENTS, THE FABRICATOR MAY PROVIDE A CURRENT INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS (ICBO) RESEARCH RECOMMENDATION APPROVING THE TYPE OF JOIST BEING USED. 2. PROVIDE BRIDGING PER SJI SPECIFICATIONS. DESIGN AND PROVIDE UPLIFT BRIDGINGS TO WITHSTAND A NET UPLIFT PRESSURE AS INDICATED WITHIN DESIGN CRITERIA. WHERE BRIDGING INTERFERES WITH MECHANICAL OR OTHER TRADES INSTALLATIONS, THE FABRICATOR SHALL REMOVE THE BRIDGING AFTER THE METAL DECK IS IN PLACE AND REPLACE AS DIRECTED BY THE STRUCTURAL ENGINEER THROUGH THE ARCHITECT. 3. ERECTOR SHALL FOLLOW MANUFACTURER'S AND STEEL JOIST INSTITUTES GUIDELINES FOR ERECTIONS STABILITY AND HANDLING. 4. ATTACH STEEL JOIST TO SUPPORT PER THE FOLLOWING SCHEDULE, WHERE WELDS ARE INDICATED ON THE DETAILS, WELD TO BE INSTALLED ON BOTH SIDES OF JOIST SEAT.

Table with 4 columns: JOIST SERIES, WELD SIZE, WELD LENGTH, BOLT DIAMETER, MATERIAL, MINIMUM END BEARING. Includes row for K joist.

STEEL DECK

- 1. DECK SIZE AND GAGE INDICATED IN THE DRAWINGS ARE BASED ON THE FOLLOWING: A. VULCRAFT 2008 CATALOG FOR GRAVITY DESIGN LOADS. B. STEEL DECK INSTITUTE (SDI) DIAPHRAGM DESIGN MANUAL 3RD EDITION FOR DIAPHRAGM LOADS. C. VULCRAFT 2008 CATALOG FOR UNSHORED CONSTRUCTION SPANS. 2. STEEL ROOF DECK GALVANIZING SHALL CONFORM TO ASTM A924 WITH A MINIMUM COATING OF G60. 3. COMPOSITE STEEL FLOOR DECK GALVANIZING SHALL CONFORM TO ASTM A924 WITH A MINIMUM COATING OF G60. 4. UNLESS NOTED OTHERWISE, DECK SHALL BE FASTENED WITH 5/8" DIAMETER PUDDLE WELDS AT 12" OC AT ALL SUPPORTS AND EDGES. PROVIDE 16 GAGE WELDING WASHERS WHEN RECOMMENDED BY THE DECK MANUFACTURER FOR THE CARE OF STEEL DECK SPECIFIED BELOW. SIDE LAPS SHALL BE FASTENED WITH #10 TEK SCREWS. MINIMUM TWO AT EACH MIDSPAN AT COMPOSITE FLOORS. REFER TO PLAN FOR SIDE LAPS AT ROOF. OPENING EDGES SHALL RECEIVE THE SAME WELDING AS REQUIRED AT DECK ENDS. ALL WELDING SHALL BE PERFORMED BY CERTIFIED WELDERS EXPERIENCED IN COLD-FORMED STEEL DECK WORK. DO NOT EXCEED 25 LBS PER HANGER AND A MINIMUM SPACING OF 2'-0" ON CENTER WHEN ATTACHING TO STEEL ROOF DECKING (LIMITATION NOT REQUIRED WITH CONCRETE ON STEEL DECK). THIS 25 LBS LOAD AND 2'-0" SPACING INCLUDES ADJACENT MECHANICAL, ELECTRICAL, AND ARCHITECTURAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, SUPPLEMENTAL FRAMING SUPPORTED OFF STEEL FRAMING WILL NEED TO BE ADDED. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING LOCATION AND WEIGHT OF ALL THE ELEMENTS BEING HUNG. 6. USE SUMP PANS AT ALL ROOF DRAINS. MINIMUM THICKNESS FOR SUMP PANS SHALL BE 14 GAGE.

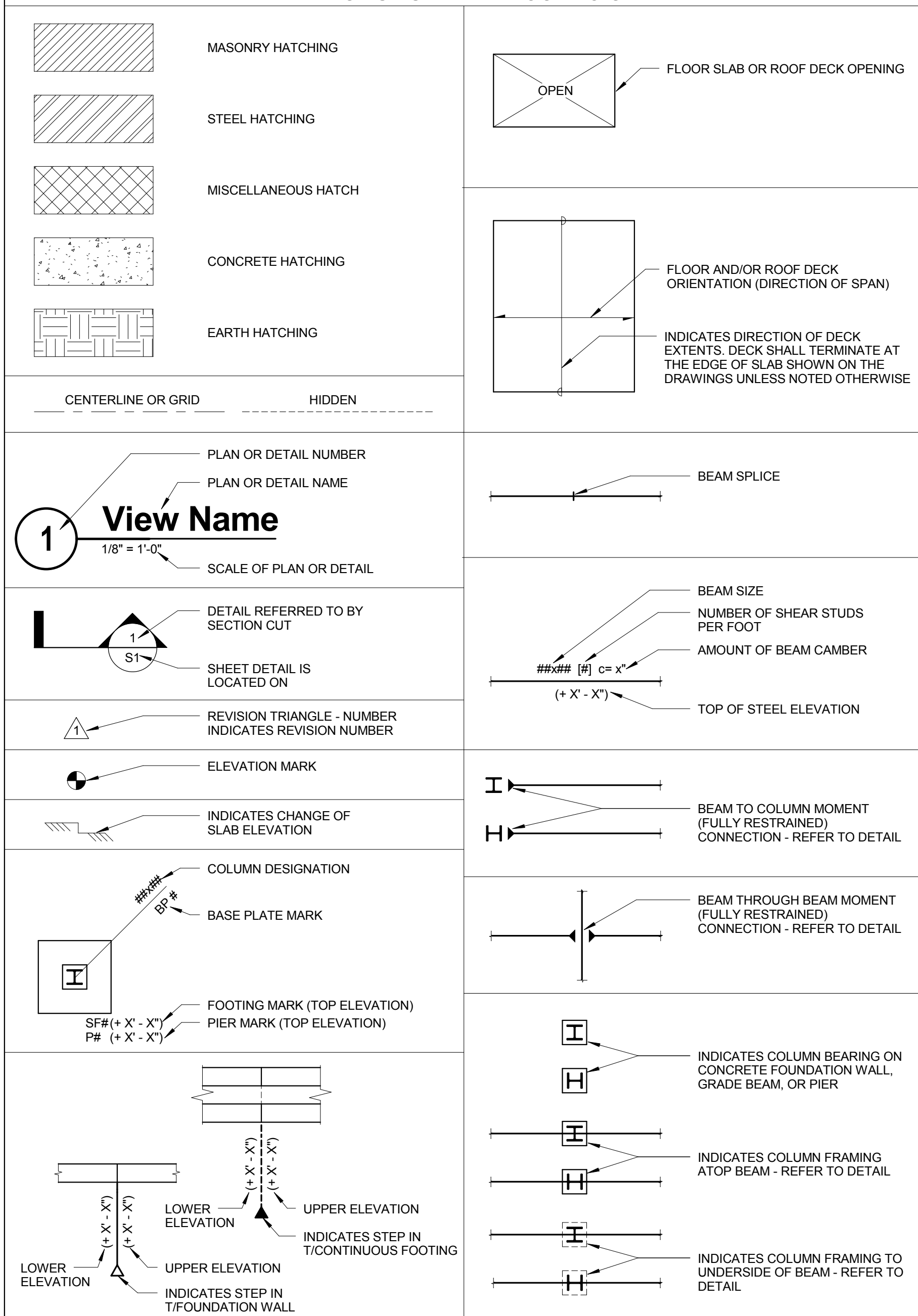
LINTELS

- 1. PROVIDE LINTELS OVER ALL OPENINGS AND RECESSES IN MASONRY CONSTRUCTION. 2. THE STRUCTURAL DOCUMENTS REFLECT THE BEST ATTEMPT TO IDENTIFY ALL WALL PENETRATIONS IN THE EXISTING AND NEW CONSTRUCTION. PENETRATIONS NOT IDENTIFIED ON THE DOCUMENTS ARE TO BE TREATED IN A MANNER SIMILAR TO THE IDENTIFIED LOCATIONS. LINTELS IN NON-BEARING MASONRY WALL OPENINGS CAN BE SIZED IN ACCORDANCE WITH THE MISCELLANEOUS LINTEL SCHEDULE OR THE NOTE BELOW. LINTELS THAT OCCUR IN EXISTING BEARING WALLS ARE TO BE SIZED ACCORDING TO SIMILAR CONDITIONS AND SPANS IN THE NEW CONSTRUCTION AND LINTEL SCHEDULE. BOTTOM PLATE SIZE SHALL BE A MINIMUM OF 3/8" THICK. THE WIDTH OF THE PLATE SHALL BE 3/4" LESS THAN THE FIELD VERIFIED WALL THICKNESS. THE PLATE SHALL BE THE FULL LENGTH OF THE LINTEL MEMBER. LINTELS ARE NOT REQUIRED OVER OPENINGS THAT ARE 12" WIDE OR LESS AND AT LEAST 1 COURSE BELOW THE TOP OF THE WALL. 3. ALL LINTELS SHALL HAVE A MINIMUM OF 8" END BEARING. 4. ALL LINTELS IN EXTERIOR WALL CONSTRUCTION SHALL BE HOT-DIP GALVANIZED. UNO. 5. FOR ALL OPENINGS NOT OTHERWISE DETAILED OR SCHEDULED, MINIMUM LINTELS SHALL BE FOR EACH 4 INCH OF MASONRY WIDTH: D-0" TO 4'-0" SPAN L5x3 1/2x1/4 (LLH) 4'-0" TO 6'-0" SPAN L5x4x5/16 (LLH) 6'-0" TO 8'-0" SPAN L5x5x5/16 (LLH) ALL ANGLES THAT ARE BACK TO BACK SHALL BE WELDED TOP AND BOTTOM 3" AT 12" MINIMUM. 6. BEARING PLATES NOT REQUIRED FOR LINTELS UNLESS NOTED OTHERWISE.

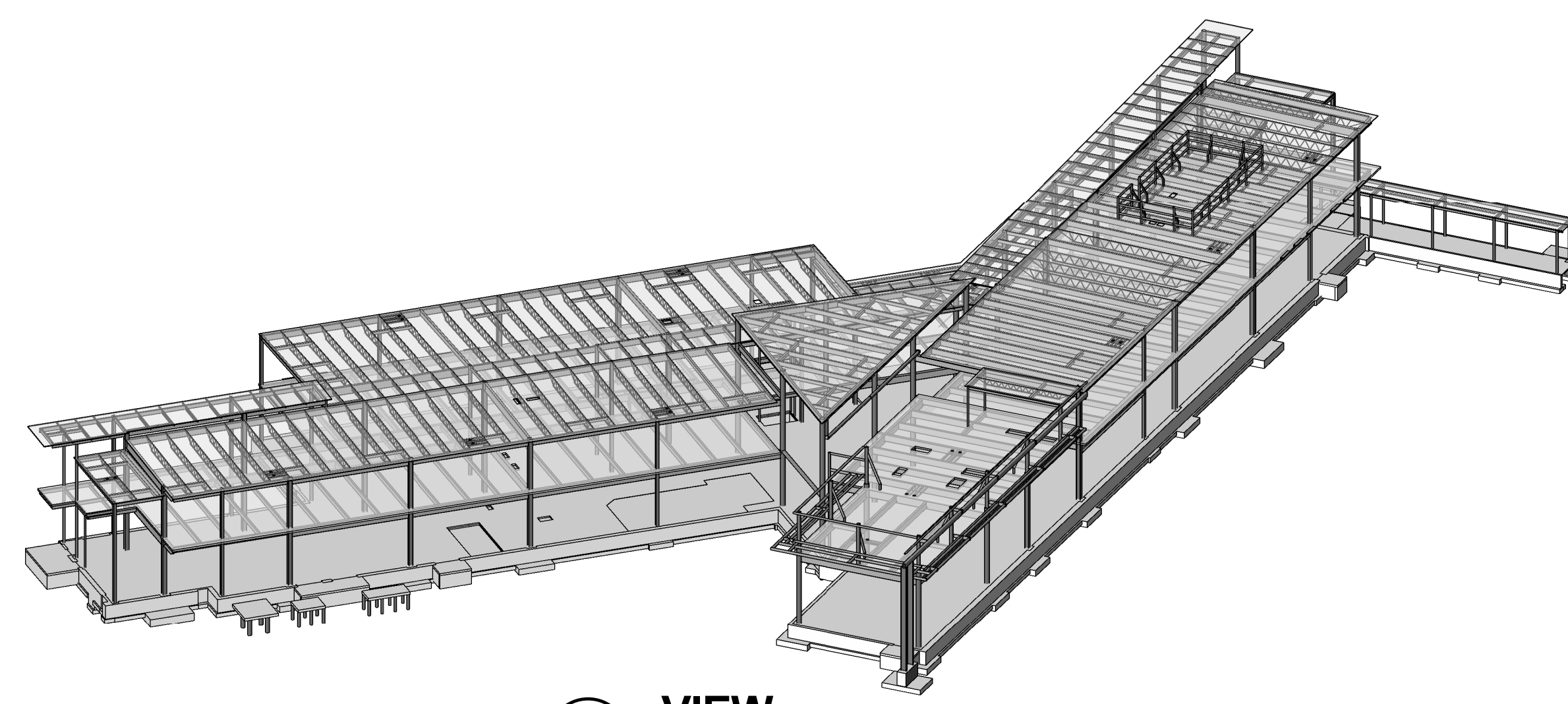
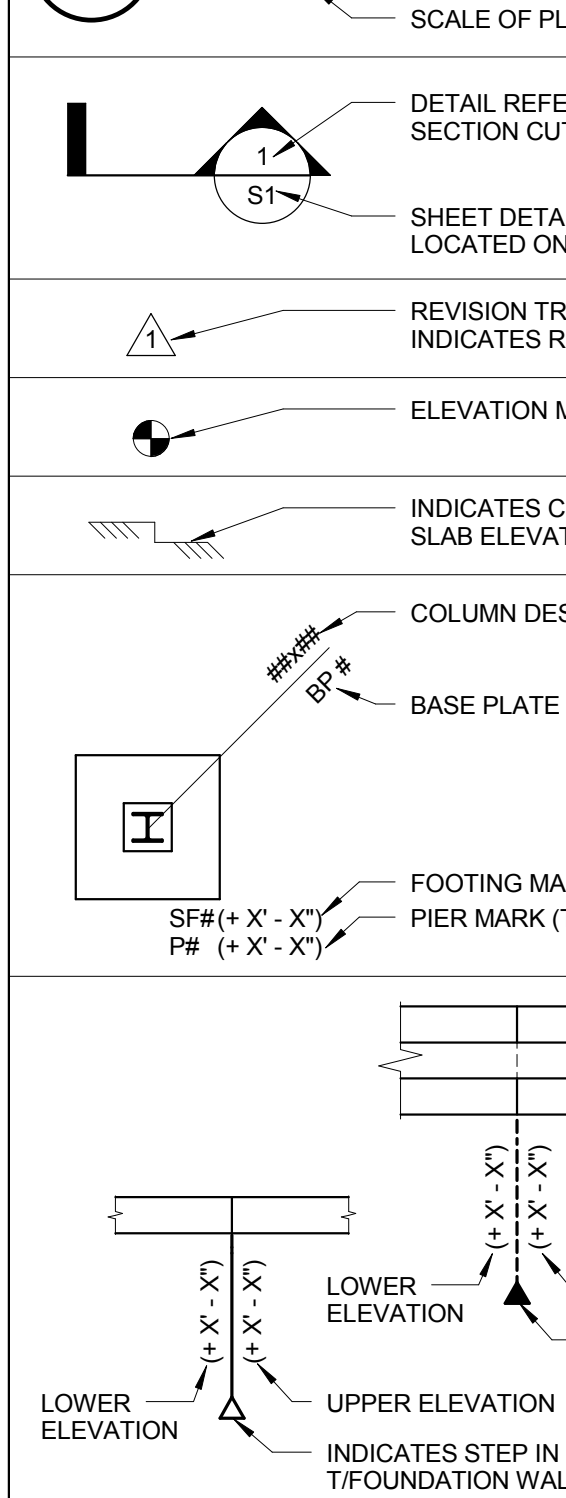
STRUCTURAL ABBREVIATIONS LIST

Table listing structural abbreviations such as # NUMBER, A ANGLE, DJ DOUBLE, etc., with their corresponding symbols and units.

STRUCTURAL DRAWING SYMBOLS



View Name



3D VIEW

- NOTES: 1. 3D VIEW IS FOR REFERENCE ONLY - NOT FOR CONSTRUCTION. REFER TO PLANS, DETAILS AND SPECIFICATIONS FOR ACTUAL CONSTRUCTION REQUIREMENTS.



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JOLIET JUNIOR COLLEGE ROMEOVILLE CAMPUS EXPANSION 1125 135TH ST. - ROMEOVILLE, JOLIET, IL 60446 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15 ISSUED FOR CONSTRUCTION

Table with 3 columns: NO., DESCRIPTION, DATE.

SHEET TITLE: GENERAL NOTES

SHEET NUMBER:

S0.00

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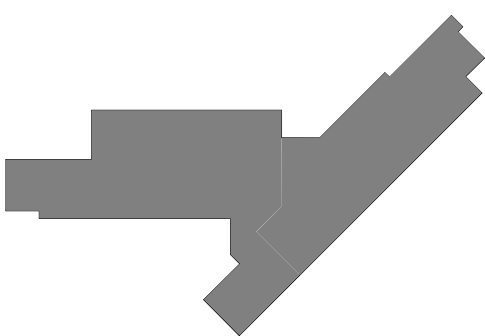


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 DKA PROJECT NO: 14-005

KEY PLAN:



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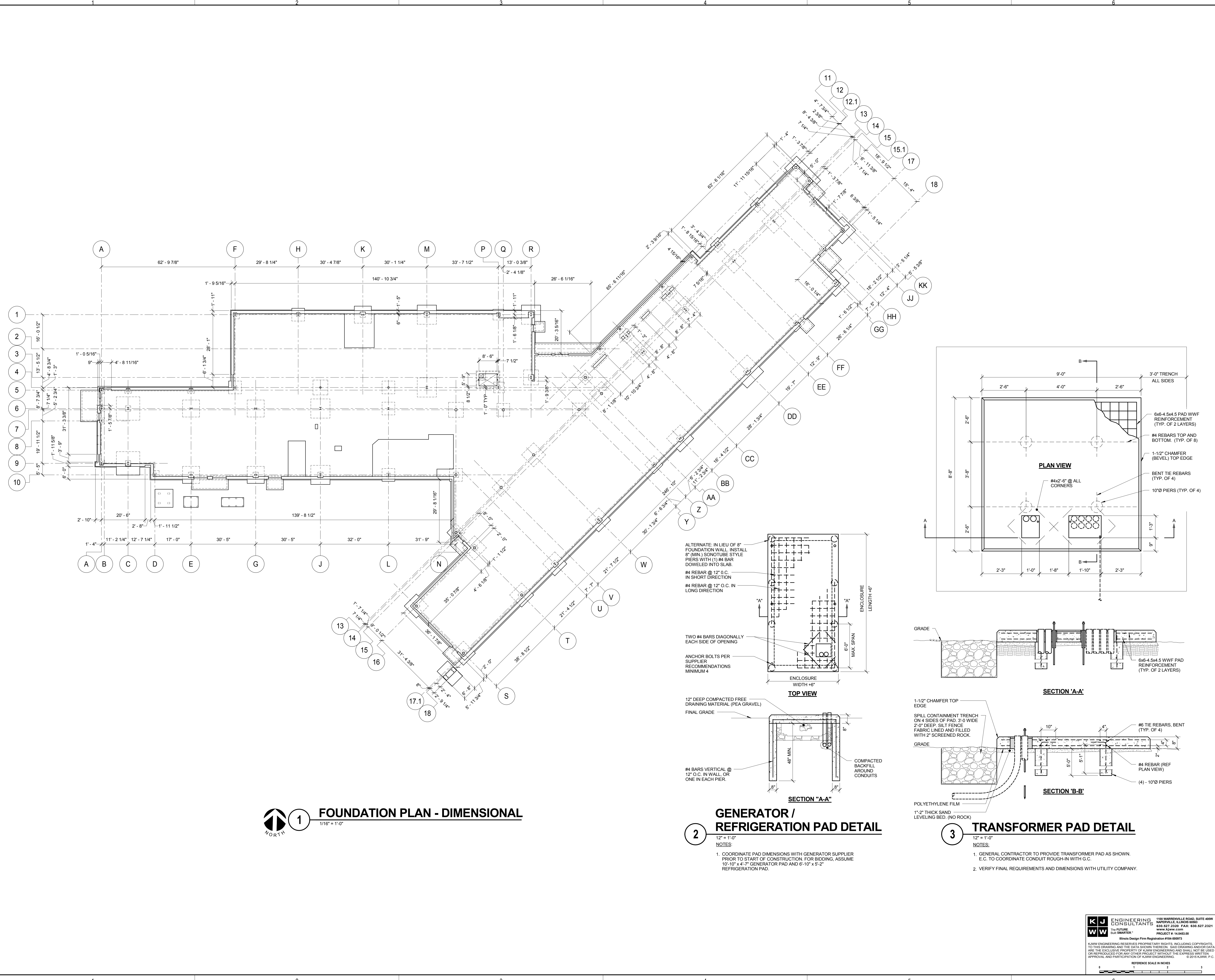
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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
FOUNDATION PLAN - DIMENSIONAL

SHEET NUMBER:

S1.01



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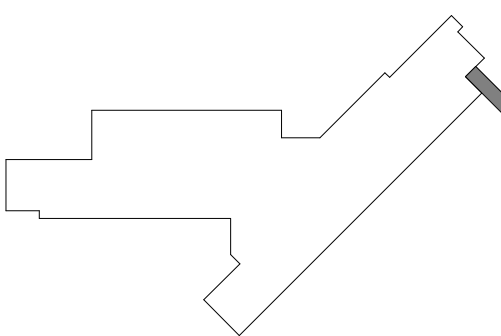


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 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15

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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**ALTERNATE BID #1 -
 PLANS, DETAILS**

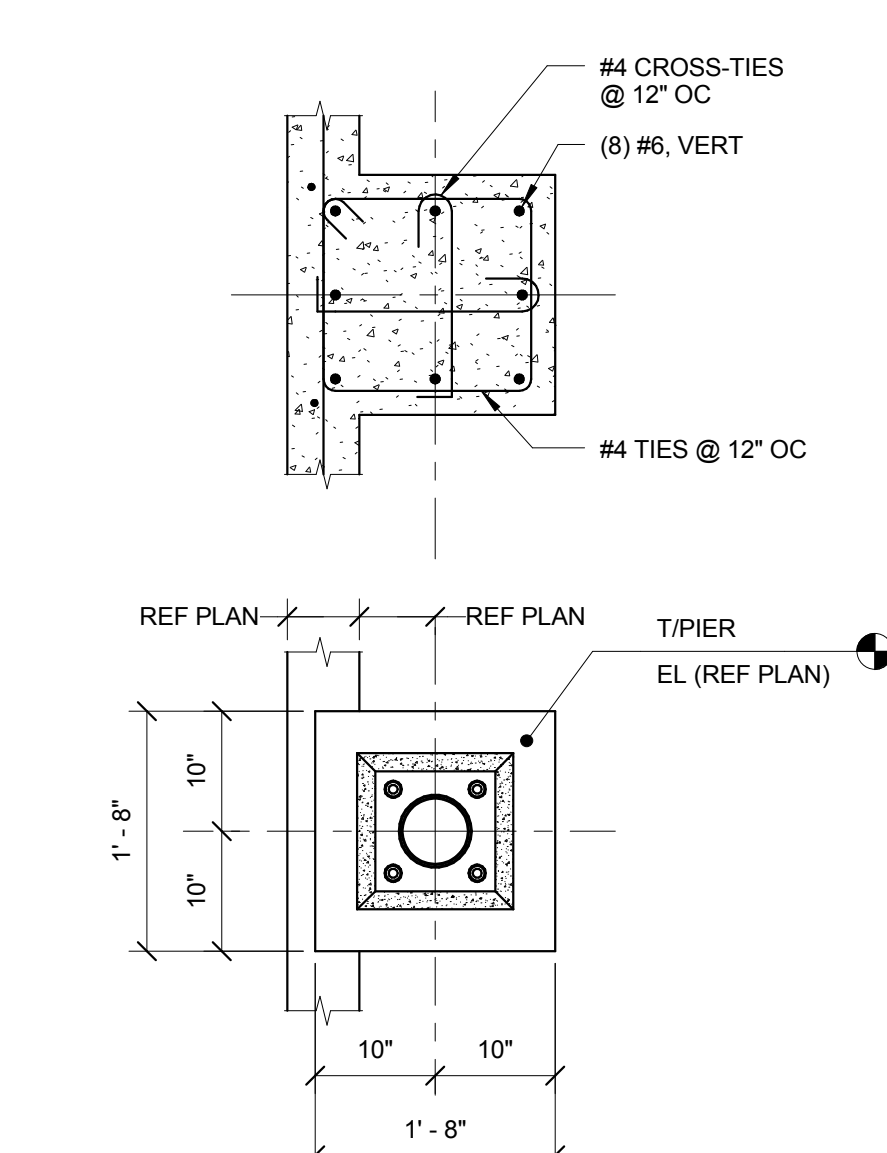
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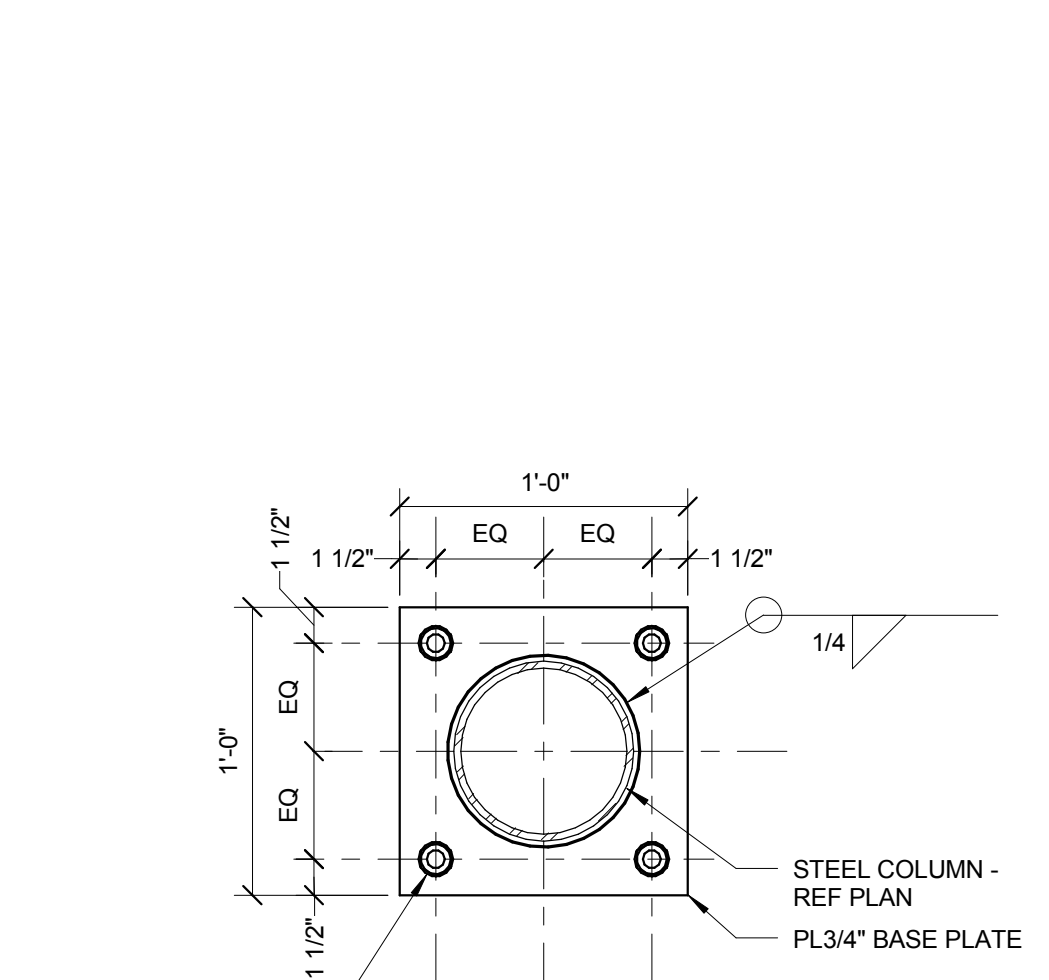
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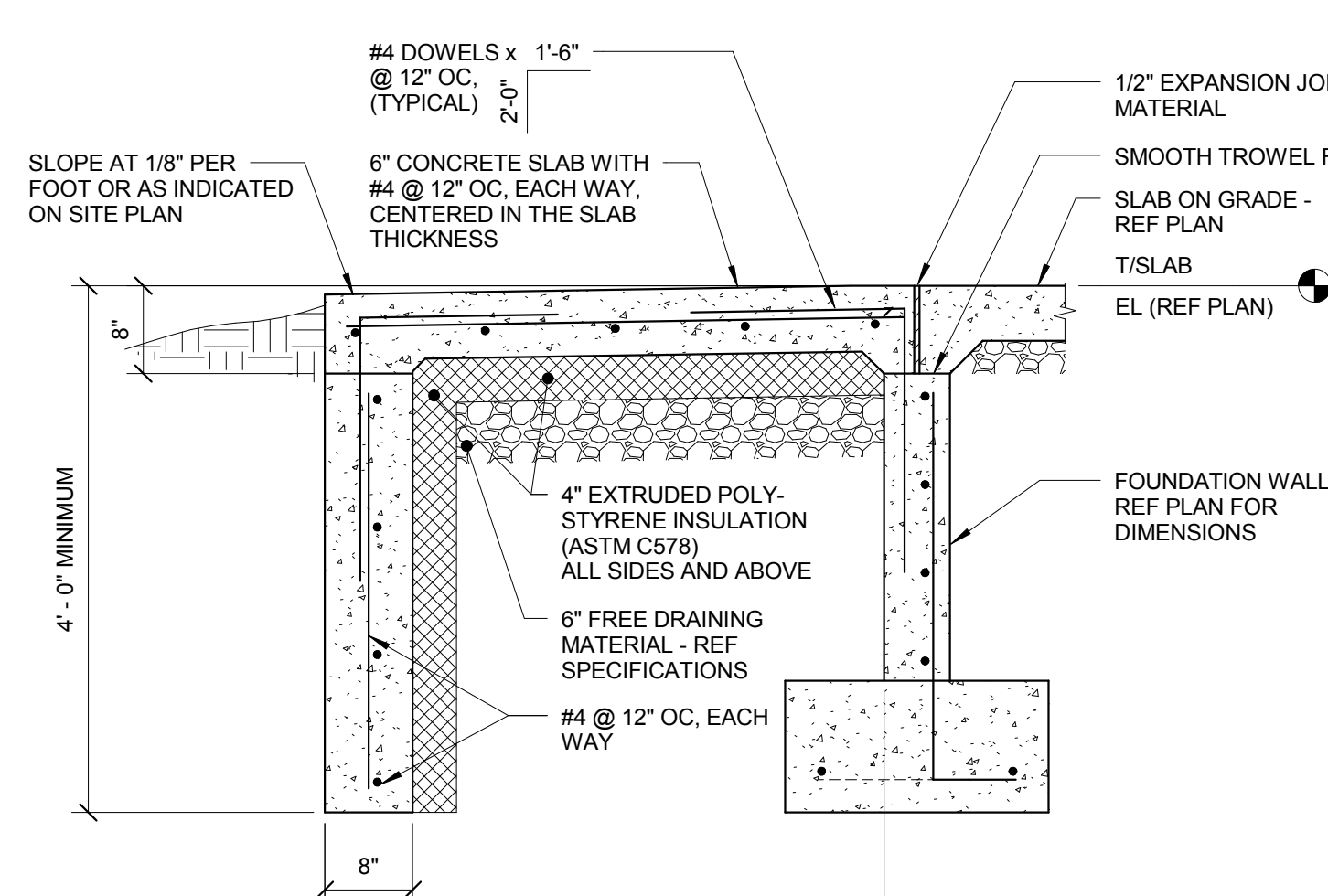
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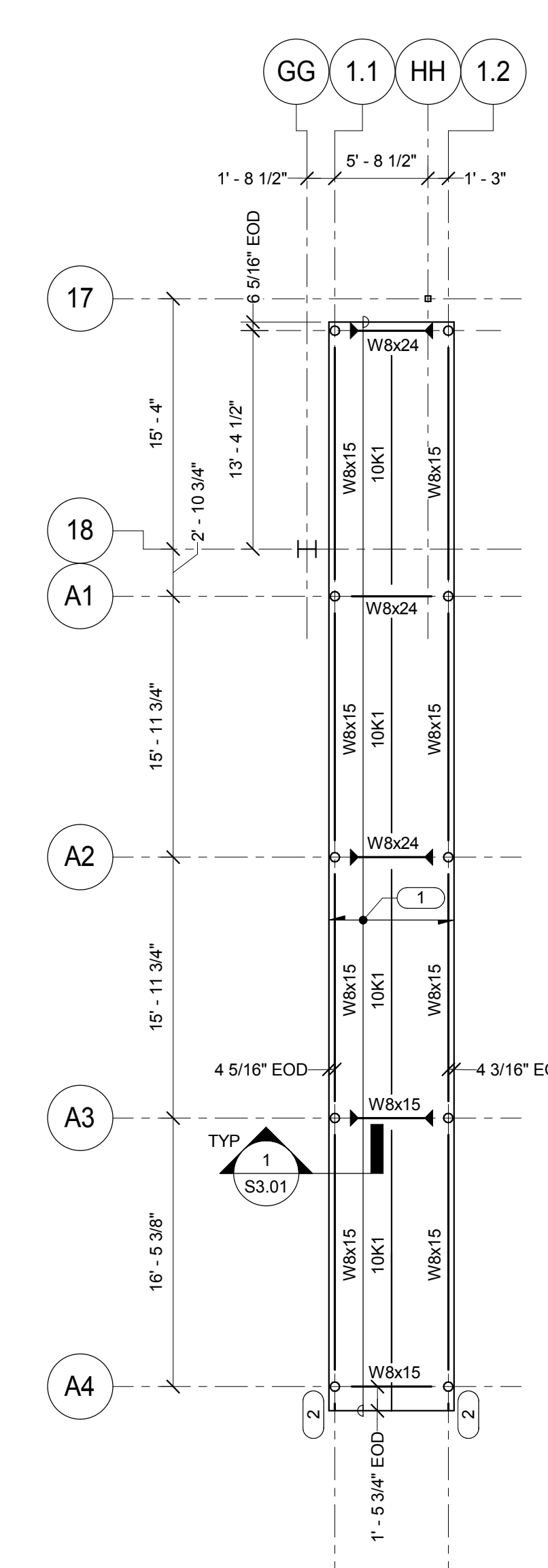
5 PIER (P10) DETAIL
 3/4" = 1'-0"



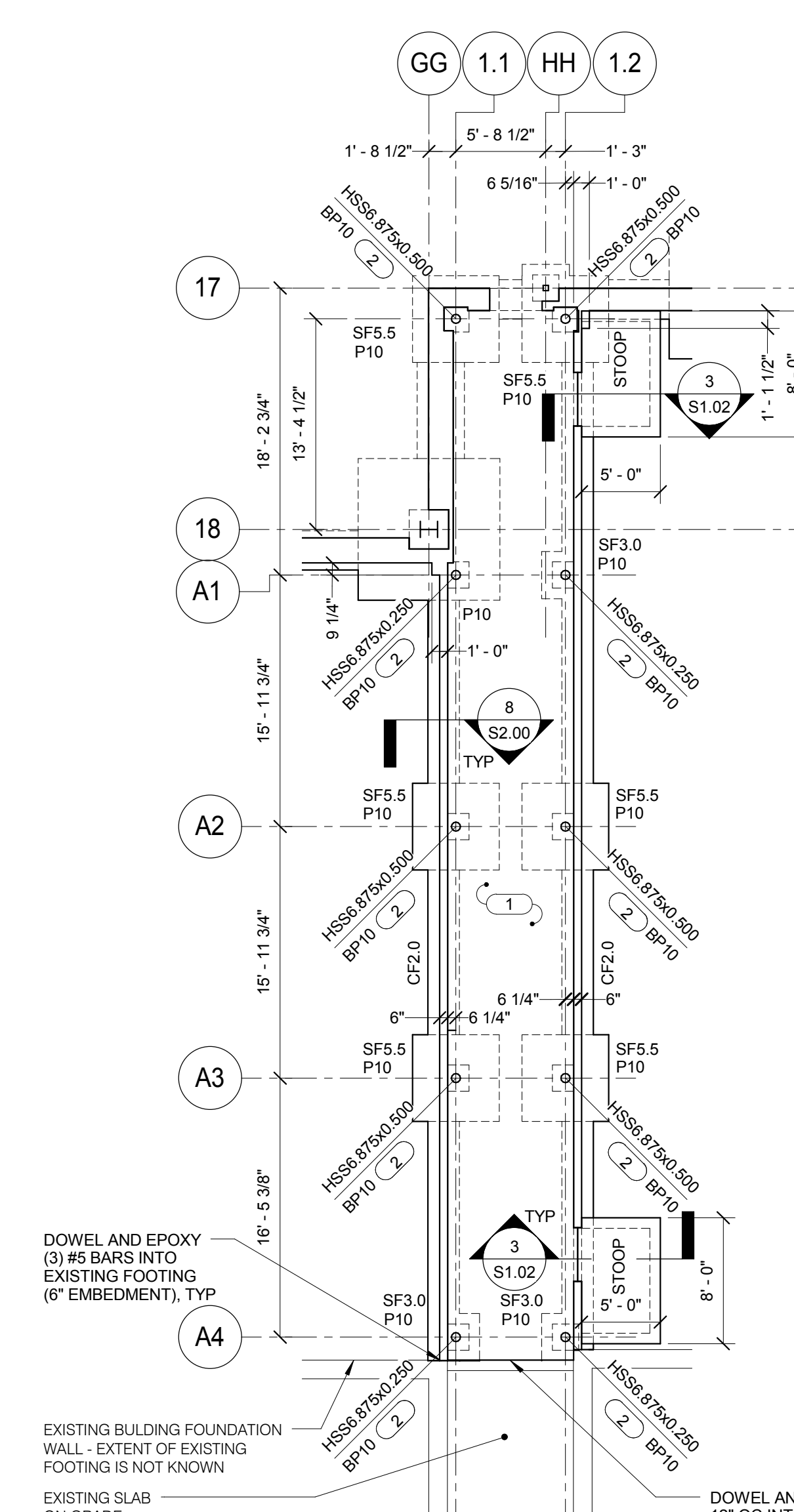
4 BASE PLATE (BP10)
 1/2" = 1'-0"



3 TYPICAL STOOP SECTION
 3/4" = 1'-0"



2 FRAMING PLAN - ALT BID #1
 1/8" = 1'-0"

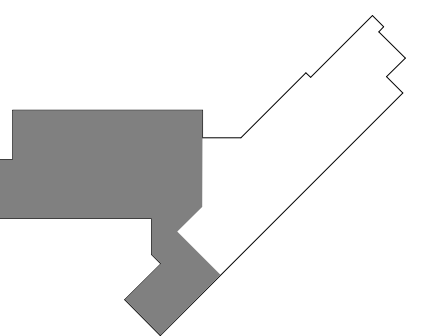


1 FOUNDATION PLAN - ALT BID #1
 1/8" = 1'-0"

- NOTES:**
- TOP OF FOOTING ELEVATION (-3'-6") UNO.
 - TOP OF FOUNDATION WALL ELEVATION (+0'-0") UNO.
 - TOP OF PIER ELEVATION (-1'-0") UNO.
 - BP# INDICATES BASE PLATE. REFERENCE THIS SHEET FOR ANCHOR RODS AND BASE PLATE DETAILS.
 - P# INDICATES CONCRETE PIER. REFERENCE THIS SHEET FOR DETAILS.
 - SF# AND CF# INDICATES SPREAD AND CONTINUOUS FOOTINGS. REFERENCE S1.11 FOR SCHEDULES.
 - REFER TO 1, 2 AND 3/S2.00 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
 - ALT BID #1 IS NOT IN CONTRACT.
- KEYNOTES:**
- 4" CONCRETE SLAB ON GRADE WITH 6x6 - W2.1xW2.1 WWR.
 - PROVIDE AESS STEEL. REFER TO SPECIFICATIONS FOR AESS CATEGORY.

- NOTES:**
- DECK BEARING ELEVATION (+11'-2").
 - REFER TO 1/S3.00 FOR TYPICAL SHEAR CONNECTION.
 - PROVIDE ANGLE FRAMING AROUND OPENING PER 7/S3.01.
 - INDICATES MOMENT CONNECTION PER 12/S3.00.
 - ALT BID #1 IS NOT IN CONTRACT.
- KEYNOTES:**
- 1 1/2" (20 GA) STEEL DECK, 2 SPAN MINIMUM. PROVIDE 3/64 DECK FASTENING PATTERN WITH (1) #10 TEK SCREW SIDELAPS PER SPAN.
 - HSS4x4x1/4 OUTRIGGER. PROVIDE ROUND 3/16" FILLET WELD TO HSS CONNECT AT COLUMN.

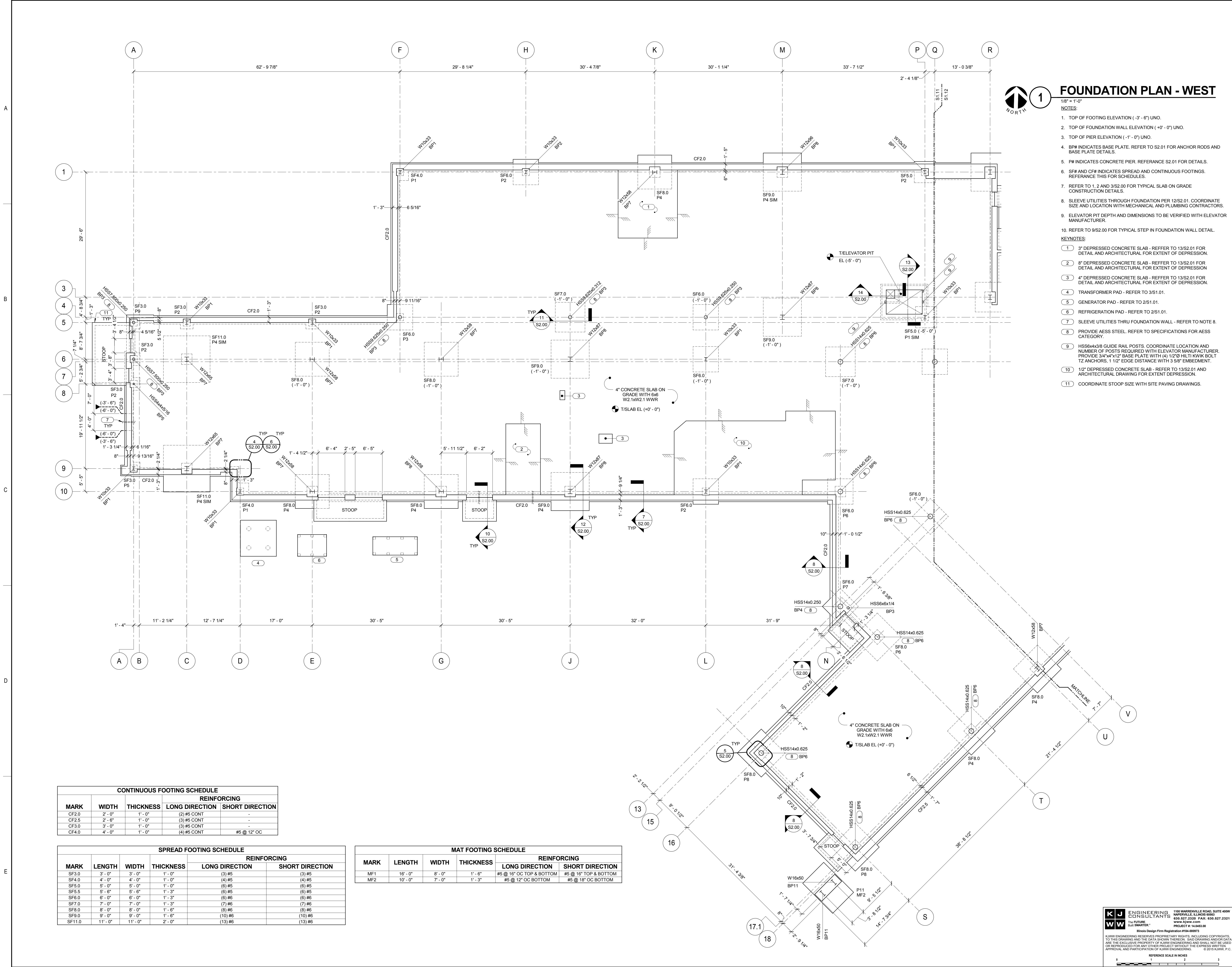




NO.	DESCRIPTION:	DATE:
1	AS-01	08/25/15

FOUNDATION PLAN - WEST

- 1/8" = 1'-0"
 NOTES:
- TOP OF FOOTING ELEVATION (-3'-6") UNO.
 - TOP OF FOUNDATION WALL ELEVATION (+0'-0") UNO.
 - TOP OF PIER ELEVATION (-1'-0") UNO.
 - BP# INDICATES BASE PLATE. REFER TO S2.01 FOR ANCHOR RODS AND BASE PLATE DETAILS.
 - P## INDICATES CONCRETE PIER. REFERENCE S2.01 FOR DETAILS.
 - SF# AND CF# INDICATES SPREAD AND CONTINUOUS FOOTINGS. REFERENCE THIS FOR SCHEDULES.
 - REFER TO 1, 2 AND 3/S2.00 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
 - SLEEVE UTILITIES THROUGH FOUNDATION PER 12/S2.01. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND PLUMBING CONTRACTORS.
 - ELEVATOR PIT DEPTH AND DIMENSIONS TO BE VERIFIED WITH ELEVATOR MANUFACTURER.
 - REFER TO 9/S2.00 FOR TYPICAL STEP IN FOUNDATION WALL DETAIL.
- KEYNOTES:
- 3" DEPRESSED CONCRETE SLAB - REFER TO 13/S2.01 FOR DETAIL AND ARCHITECTURAL FOR EXTENT OF DEPRESSION.
 - 8" DEPRESSED CONCRETE SLAB - REFER TO 13/S2.01 FOR DETAIL AND ARCHITECTURAL FOR EXTENT OF DEPRESSION.
 - 4" DEPRESSED CONCRETE SLAB - REFER TO 13/S2.01 FOR DETAIL AND ARCHITECTURAL FOR EXTENT OF DEPRESSION.
 - TRANSFORMER PAD - REFER TO 3/S1.01.
 - GENERATOR PAD - REFER TO 2/S1.01.
 - REFRIGERATION PAD - REFER TO 2/S1.01.
 - SLEEVE UTILITIES THRU FOUNDATION WALL - REFER TO NOTE 8.
 - PROVIDE AESS STEEL. REFER TO SPECIFICATIONS FOR AESS CATEGORY.
 - HSS#x#x#x# GUIDE RAIL POSTS. COORDINATE LOCATION AND NUMBER OF POSTS REQUIRED WITH ELEVATOR MANUFACTURER. PROVIDE 3/4"x4"x1/2" BASE PLATE WITH (4) 1/2" HILTI KWIK BOLT 1/2" ANCHORS. 1 1/2" EDGE DISTANCE WITH 3/8" EMBEDMENT.
 - 1/2" DEPRESSED CONCRETE SLAB - REFER TO 13/S2.01 AND ARCHITECTURAL DRAWING FOR EXTENT OF DEPRESSION.
 - COORDINATE STOOP SIZE WITH SITE PAVING DRAWINGS.



CONTINUOUS FOOTING SCHEDULE

MARK	WIDTH	THICKNESS	REINFORCING	
			LONG DIRECTION	SHORT DIRECTION
CF2.0	2'-0"	1'-0"	(2) #5 CONT	-
CF2.5	2'-6"	1'-0"	(3) #5 CONT	-
CF3.0	3'-0"	1'-0"	(3) #5 CONT	-
CF4.0	4'-0"	1'-0"	(4) #5 CONT	#5 @ 12" OC

SPREAD FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	
				LONG DIRECTION	SHORT DIRECTION
SF3.0	3'-0"	3'-0"	1'-0"	(3) #5	(3) #5
SF4.0	4'-0"	4'-0"	1'-0"	(4) #5	(4) #5
SF5.0	5'-0"	5'-0"	1'-0"	(6) #5	(6) #5
SF5.5	5'-6"	5'-6"	1'-3"	(6) #5	(6) #5
SF6.0	6'-0"	6'-0"	1'-3"	(6) #6	(6) #6
SF7.0	7'-0"	7'-0"	1'-3"	(7) #6	(7) #6
SF8.0	8'-0"	8'-0"	1'-6"	(8) #6	(8) #6
SF9.0	9'-0"	9'-0"	1'-6"	(10) #6	(10) #6
SF11.0	11'-0"	11'-0"	2'-0"	(13) #6	(13) #6

MAT FOOTING SCHEDULE

MARK	LENGTH	WIDTH	THICKNESS	REINFORCING	
				LONG DIRECTION	SHORT DIRECTION
MF1	16'-0"	8'-0"	1'-6"	#5 @ 16" OC TOP & BOTTOM	#5 @ 16" TOP & BOTTOM
MF2	10'-0"	7'-0"	1'-3"	#5 @ 12" OC BOTTOM	#5 @ 18" OC BOTTOM

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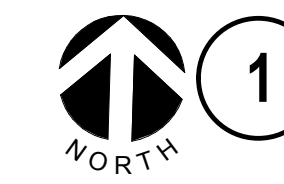
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 DKA PROJECT NO: 14-005



FOUNDATION PLAN - EAST

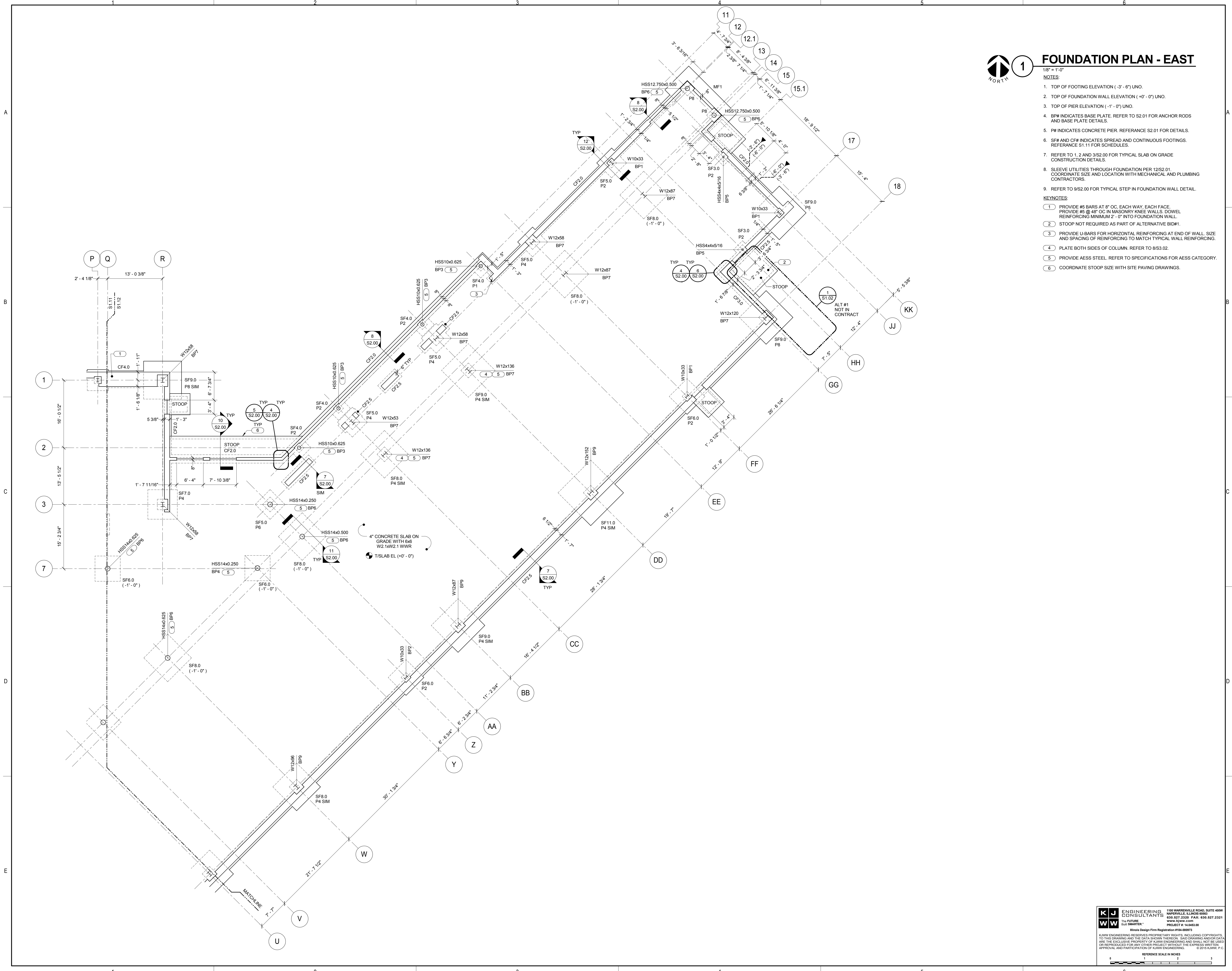
1/8" = 1'-0"

NOTES:

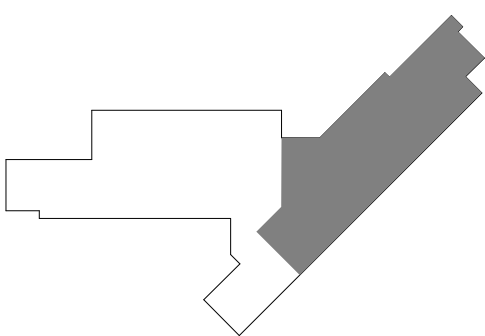
- TOP OF FOOTING ELEVATION (-3'-6") UNO.
- TOP OF FOUNDATION WALL ELEVATION (+0'-0") UNO.
- TOP OF PIER ELEVATION (-1'-0") UNO.
- BP# INDICATES BASE PLATE. REFER TO S2.01 FOR ANCHOR RODS AND BASE PLATE DETAILS.
- PF# INDICATES CONCRETE PIER. REFERENCE S2.01 FOR DETAILS.
- SF# AND CF# INDICATES SPREAD AND CONTINUOUS FOOTINGS. REFERENCE S1.11 FOR SCHEDULES.
- REFER TO 1, 2 AND 3/S2.00 FOR TYPICAL SLAB ON GRADE CONSTRUCTION DETAILS.
- SLEEVE UTILITIES THROUGH FOUNDATION PER 12/S2.01. COORDINATE SIZE AND LOCATION WITH MECHANICAL AND PLUMBING CONTRACTORS.
- REFER TO 9/S2.00 FOR TYPICAL STEP IN FOUNDATION WALL DETAIL.

KEYNOTES:

- PROVIDE #5 BARS AT 8" OC, EACH WAY, EACH FACE. PROVIDE #5 @ 48" OC IN MASONRY KNEE WALLS. DOWEL REINFORCING MINIMUM 2'-0" INTO FOUNDATION WALL.
- STOOP NOT REQUIRED AS PART OF ALTERNATIVE BID#1.
- PROVIDE U-BARS FOR HORIZONTAL REINFORCING AT END OF WALL. SIZE AND SPACING OF REINFORCING TO MATCH TYPICAL WALL REINFORCING.
- PLATE BOTH SIDES OF COLUMN. REFER TO 8/S3.02.
- PROVIDE AESS STEEL. REFER TO SPECIFICATIONS FOR AESS CATEGORY.
- COORDINATE STOOP SIZE WITH SITE PAVING DRAWINGS.



KEY PLAN:



SHEET STATUS: 9/21/15

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NO.	DESCRIPTION:	DATE:
1	AS-001	08/25/15

SHEET TITLE:
**FOUNDATION PLAN -
 EAST**

SHEET NUMBER:

S1.12

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SECOND FLOOR FRAMING PLAN - WEST

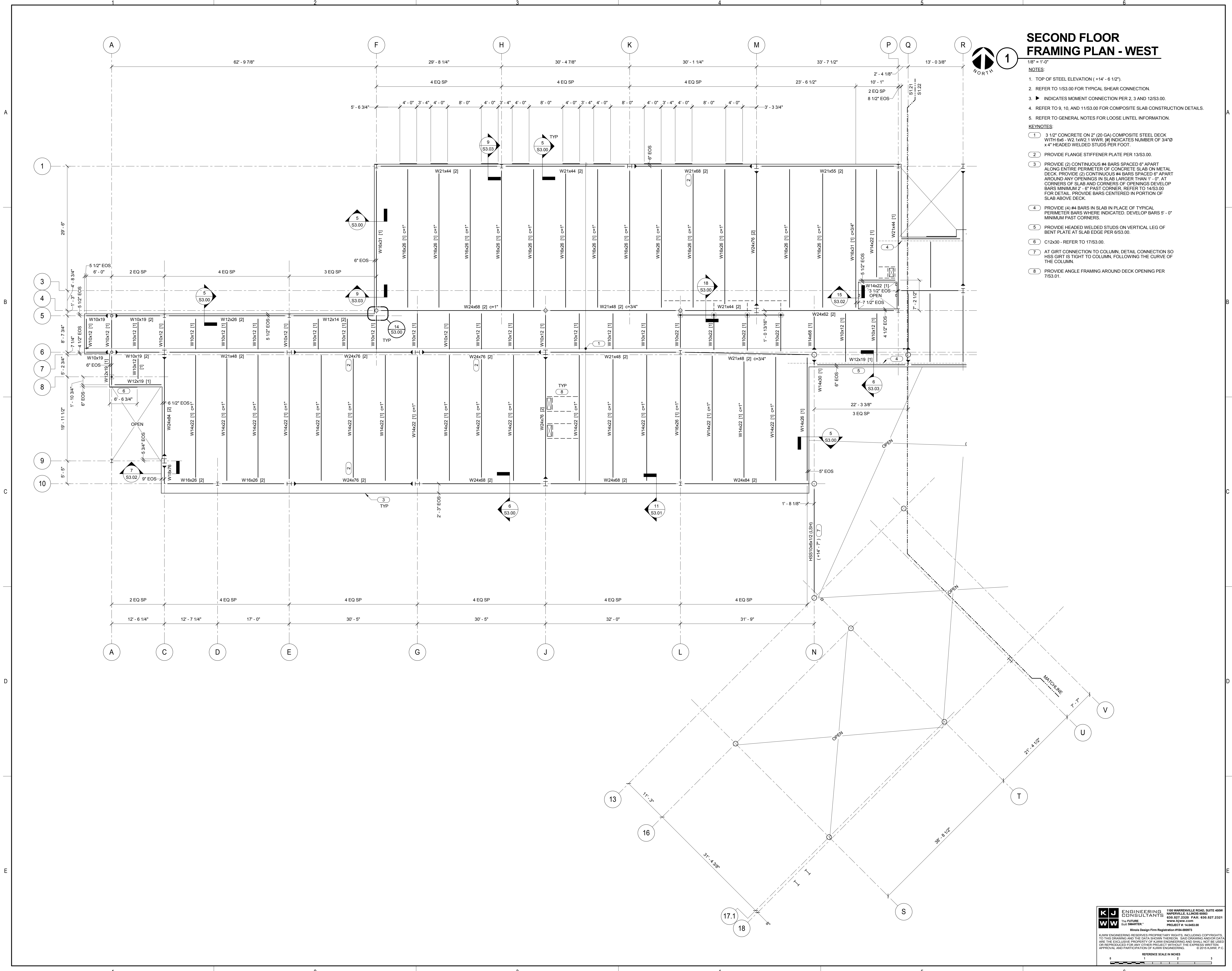
1/8" = 1'-0"

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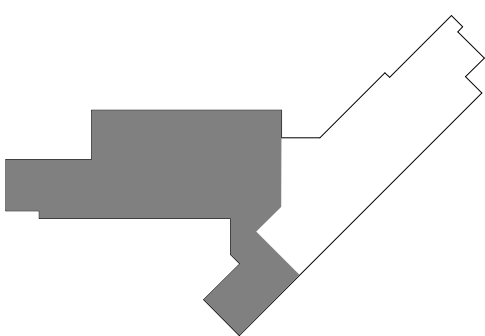
- TOP OF STEEL ELEVATION (+14'-6 1/2").
- REFER TO 1/S3.00 FOR TYPICAL SHEAR CONNECTION.
- INDICATES MOMENT CONNECTION PER 2, 3 AND 12/S3.00.
- REFER TO 9, 10, AND 11/S3.00 FOR COMPOSITE SLAB CONSTRUCTION DETAILS.
- REFER TO GENERAL NOTES FOR LOOSE INTEL INFORMATION.

KEYNOTES:

- 3 1/2" CONCRETE ON 2" (20 GA) COMPOSITE STEEL DECK WITH 6# - W2.1XW2.1 WWR. #9 INDICATES NUMBER OF 3/4" x 4" HEADED WELDED STUDS PER FOOT.
- PROVIDE FLANGE STIFFENER PLATE PER 13/S3.00.
- PROVIDE (2) CONTINUOUS #4 BARS SPACED 6" APART ALONG ENTIRE PERIMETER OF CONCRETE SLAB ON METAL DECK. PROVIDE (2) CONTINUOUS #4 BARS SPACED 6" APART AROUND ANY OPENINGS IN SLAB LARGER THAN 1'-0". AT CORNERS OF SLAB AND CORNERS OF OPENINGS DEVELOP BARS MINIMUM 2'-6" PAST CORNER. REFER TO 14/S3.00 FOR DETAIL. PROVIDE BARS CENTERED IN PORTION OF SLAB ABOVE DECK.
- PROVIDE (4) #4 BARS IN SLAB IN PLACE OF TYPICAL PERIMETER BARS WHERE INDICATED. DEVELOP BARS 5'-0" MINIMUM PAST CORNERS.
- PROVIDE HEADED WELDED STUDS ON VERTICAL LEG OF BENT PLATE AT SLAB EDGE PER 6/S3.00.
- C12x30 - REFER TO 17/S3.00.
- AT GIRT CONNECTION TO COLUMN, DETAIL CONNECTION SO HSS GIRT IS TIGHT TO COLUMN, FOLLOWING THE CURVE OF THE COLUMN.
- PROVIDE ANGLE FRAMING AROUND DECK OPENING PER 7/S3.01.



KEY PLAN:



SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO. DESCRIPTION: DATE:

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

SECOND FLOOR FRAMING PLAN - WEST

SHEET NUMBER:

S1.21

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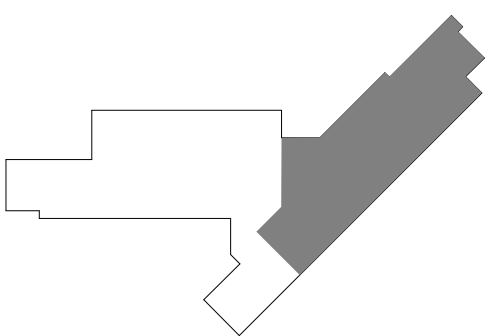


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KEY PLAN:



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SHEET TITLE:
SECOND FLOOR FRAMING PLAN - EAST

SHEET NUMBER:

S1.22

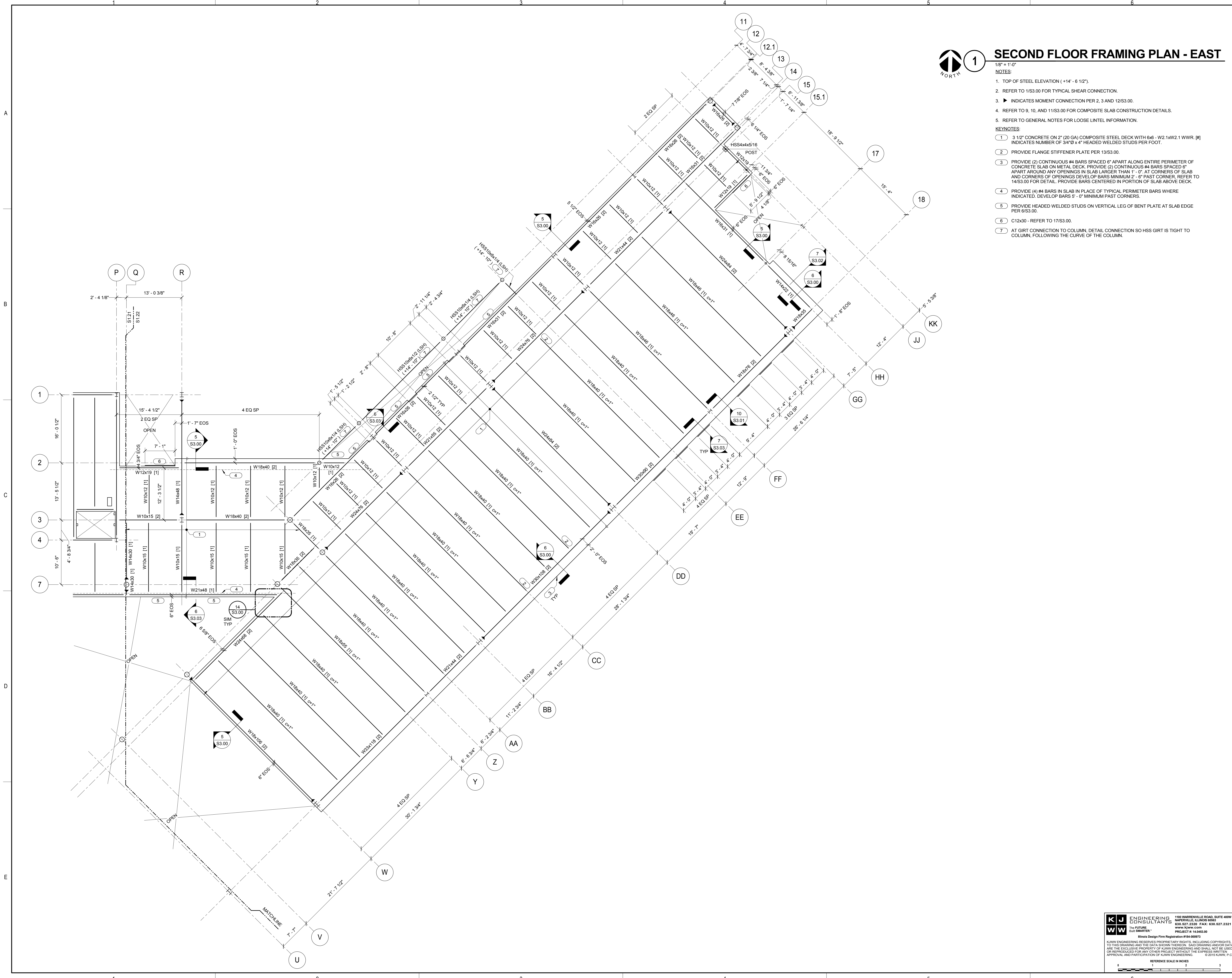


1 SECOND FLOOR FRAMING PLAN - EAST

1/8" = 1'-0"

- NOTES:
- TOP OF STEEL ELEVATION (+14' - 6 1/2").
 - REFER TO 1/S3.00 FOR TYPICAL SHEAR CONNECTION.
 - INDICATES MOMENT CONNECTION PER 2, 3 AND 12/S3.00.
 - REFER TO 9, 10, AND 11/S3.00 FOR COMPOSITE SLAB CONSTRUCTION DETAILS.
 - REFER TO GENERAL NOTES FOR LOOSE LINTEL INFORMATION.

- KEYNOTES:
- 3 1/2" CONCRETE ON 2" (20 GA) COMPOSITE STEEL DECK WITH 6x6 - W2.1XW2.1 WWR. #1 INDICATES NUMBER OF 3/4" X 4" HEADED WELDED STUDS PER FOOT.
 - PROVIDE FLANGE STIFFENER PLATE PER 13/S3.00.
 - PROVIDE (2) CONTINUOUS #4 BARS SPACED 6" APART ALONG ENTIRE PERIMETER OF CONCRETE SLAB ON METAL DECK. PROVIDE (2) CONTINUOUS #4 BARS SPACED 6" APART AROUND ANY OPENINGS IN SLAB LARGER THAN 1'-0". AT CORNERS OF SLAB AND CORNERS OF OPENINGS DEVELOP BARS MINIMUM 2' - 6" PAST CORNER. REFER TO 14/S3.00 FOR DETAIL. PROVIDE BARS CENTERED IN PORTION OF SLAB ABOVE DECK.
 - PROVIDE (4) #4 BARS IN SLAB IN PLACE OF TYPICAL PERIMETER BARS WHERE INDICATED. DEVELOP BARS 5' - 0" MINIMUM PAST CORNERS.
 - PROVIDE HEADED WELDED STUDS ON VERTICAL LEG OF BENT PLATE AT SLAB EDGE PER 6/S3.00.
 - C12x30 - REFER TO 17/S3.00.
 - AT GIRT CONNECTION TO COLUMN. DETAIL CONNECTION SO HSS GIRT IS TIGHT TO COLUMN, FOLLOWING THE CURVE OF THE COLUMN.



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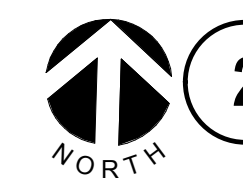
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
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 DKA PROJECT NO: 14-005



1 SECOND/LOW ROOF FRAMING PLAN

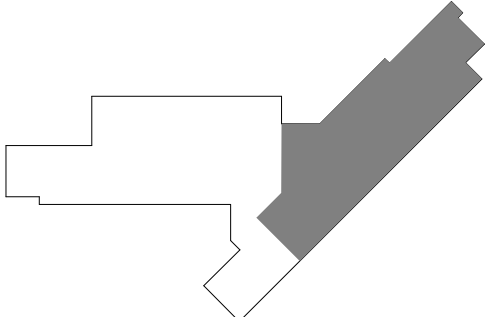
- 1/8" = 1'-0"
 NOTES:
 1. TOP OF STEEL ELEVATION (+18'-4") UNO. DECK BEARING ELEVATION (REF PLAN).
 2. REFER TO 1/S3.00 FOR TYPICAL SHEAR CONNECTION.
 3. ► INDICATES MOMENT CONNECTION PER 2, 3 AND 12/S3.00.
 4. REFER TO 9, 10, AND 11/S3.00 FOR COMPOSITE SLAB CONSTRUCTION DETAILS.
 5. REFER TO GENERAL NOTES FOR LOOSE LINTEL INFORMATION.
- KEYNOTES:
 1. 3 1/2" CONCRETE ON 2" (20 GA) COMPOSITE STEEL DECK WITH 6x6 - W2.1xW2.1 WWR. (N) INDICATES NUMBER OF 3/4"Ø x 4" HEADED WELDED STUDS PER FOOT.
 2. 1 1/2" (20 GA) STEEL DECK, 2 SPAN MINIMUM. PROVIDE 3/8" DECK FASTENING PATTERN WITH (2) #10 TEK SCREW SIDELAPS PER SPAN.
 3. PROVIDE SLIP CRITICAL SHEAR CONNECTION AT BOTH ENDS OF BEAM. REFER TO 1/S3.00 FOR TYPICAL CONNECTION INFORMATION.
 4. PROVIDE FLANGE STIFFENER PLATE PER 13/S3.00.
 5. PROVIDE (1) CONTINUOUS #4 BAR ALONG ENTIRE PERIMETER OF CONCRETE SLAB ON METAL DECK. PROVIDE (1) CONTINUOUS #4 BAR AROUND ANY OPENINGS IN SLAB LARGER THAN 1'-0" AT CORNERS OF SLAB AND CORNERS OF OPENINGS DEVELOP BARS MINIMUM 2'-6" PAST CORNER. REFER TO 14/S3.00 FOR DETAIL. PROVIDE BAR CENTERED IN PORTION OF SLAB ABOVE DECK.
 6. PROVIDE THERMAL BREAK IN COLUMN AND PROVIDED KICKER PER DETAIL 15/S3.00. GALVANIZE TOP PORTION OF COLUMN ABOVE THERMAL BREAK.
 7. PROVIDE CONNECTION FOR BASE OF POST TO BEAM SIMILAR TO 15/S3.00 SECTION C-C (NO THERMAL SHIM). LONG SIDE OF PLATE TO RUN PARALLEL TO BEAM.
 8. PROVIDE THERMAL BREAK CONNECTION IN COLUMN PER 15/S3.00 SECTION C-C. KICKER NOT REQUIRED.
 9. PLATE BEAM. REFER TO 9/S3.02. BEAM IS TO BE AESS. REFER TO SPECIFICATIONS FOR AESS CATEGORY.
 10. DESIGN RTU WEIGHT OF 35,000 LBS. COORDINATE ACTUAL SIZE, LOCATIONS AND WEIGHT WITH MECHANICAL CONTRACTOR.
 11. DESIGN RTU WEIGHT OF 12,000 LBS. COORDINATE ACTUAL SIZE, LOCATIONS AND WEIGHT WITH MECHANICAL CONTRACTOR.
 12. PROVIDE ANGLE FRAMING AROUND OPENING PER 7/S3.01.
 13. PROVIDE TC BOLTS FOR BASE CONNECTION OF POST.



2 CANOPY FRAMING PLAN

- 1/8" = 1'-0"
 NOTES:
 1. TOP OF STEEL ELEVATION (+21'-8") UNO.
 2. ► INDICATES MOMENT CONNECTION. REFER TO KEYNOTES BELOW FOR WELD INFORMATION.
- KEYNOTES:
 1. HSS8x8x5/16 (LSV) GALV. PROVIDE 3/8" FILLET WELD (OR EQUIVALENT) ALL AROUND FOR MOMENT CONNECTIONS.
 2. HSS8x8x5/16 - PROVIDE 1/4" FILLET WELD (OR EQUIVALENT) ALL AROUND FOR MOMENT CONNECTIONS.
 3. HSS6x4x5/16 (LSH) EL (+22'-0").
 4. HSS8x4x5/16 (LSV). PROVIDE 1/4" FILLET WELD (OR EQUIVALENT) ALL AROUND FOR MOMENT CONNECTIONS.
 5. HSS8x8x3/8 (LSV) EL (+30'-7").
 6. PROVIDE CONTINUOUS MEMBER OR FIELD SPLICE TOGETHER WITH 3/8" PLATE EACH SIDE AND (2) 3/4"Ø THROUGH BOLTS AT LOCATION INDICATED ON PLAN.

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

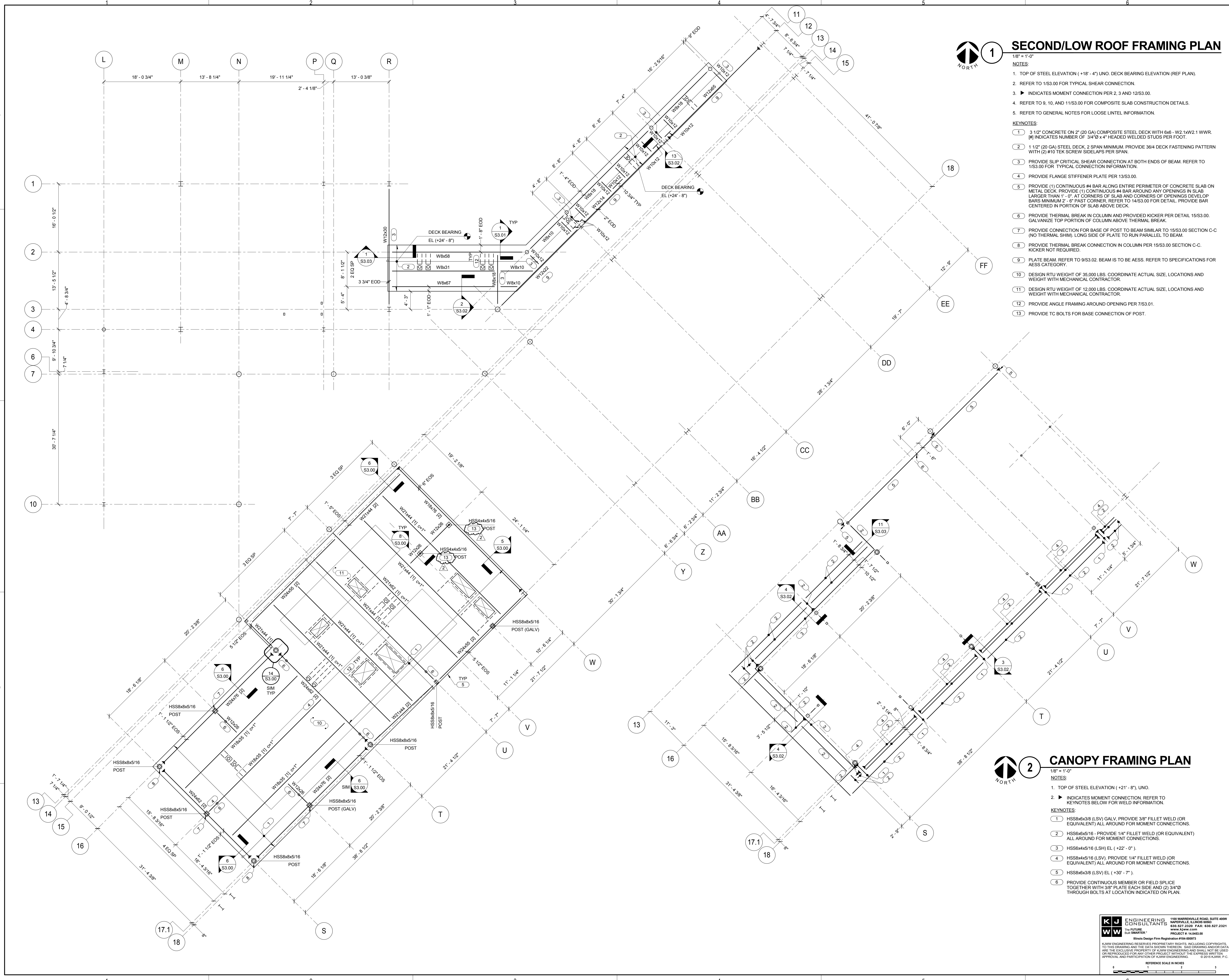
NO.	DESCRIPTION:	DATE:
2	REVISION PLACE HOLDER	###/###/###

SHEET TITLE:
SECOND/LOW ROOF FRAMING PLAN

SHEET NUMBER:

S1.23

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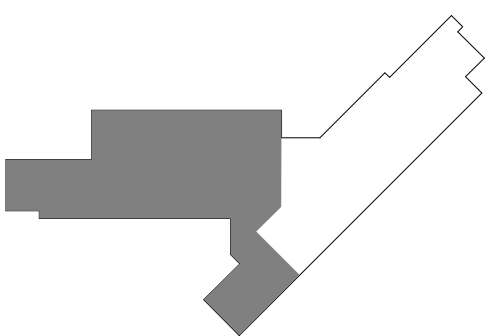


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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135TH ST. ROMEORVILLE, JOLIET, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15

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NO. DESCRIPTION: DATE:

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ROOF FRAMING PLAN - WEST

SHEET NUMBER:

S1.31

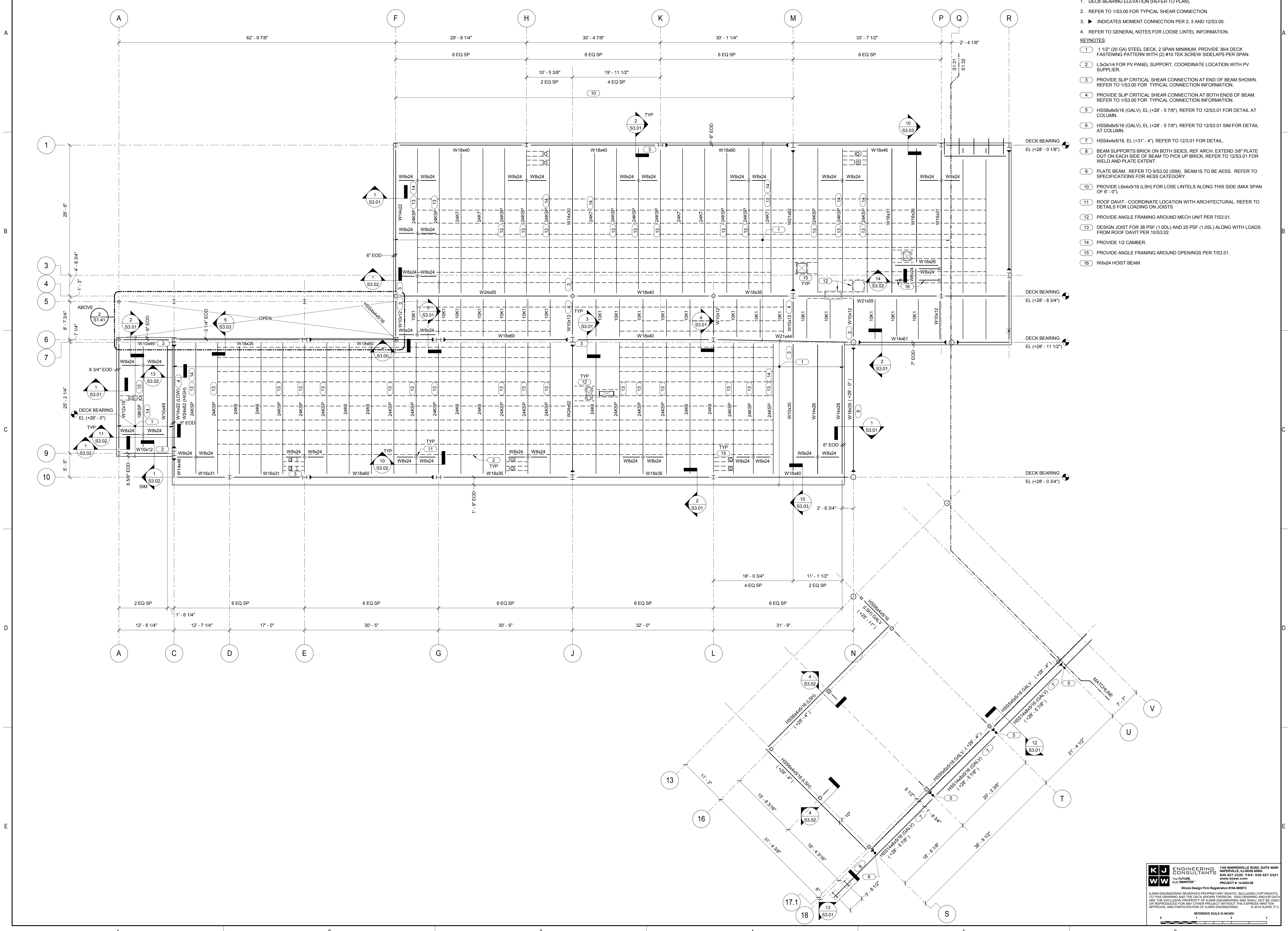
1 ROOF FRAMING PLAN - WEST



1/8" = 1'-0"

NOTES:

- DECK BEARING ELEVATION (REFER TO PLAN).
 - REFER TO 1/S3.00 FOR TYPICAL SHEAR CONNECTION.
 - INDICATES MOMENT CONNECTION PER 2, 3 AND 12/S3.00.
 - REFER TO GENERAL NOTES FOR LOOSE LINTEL INFORMATION.
- KEYNOTES:
- 1 1/2" (20 GA) STEEL DECK, 2 SPAN MINIMUM. PROVIDE 3/8" DECK FASTENING PATTERN WITH (2) #10 TEK SCREW SIDELAPS PER SPAN.
 - L3x3x1/4 FOR PV PANEL SUPPORT. COORDINATE LOCATION WITH PV SUPPLIER.
 - PROVIDE SLIP CRITICAL SHEAR CONNECTION AT END OF BEAM SHOWN. REFER TO 1/S3.00 FOR TYPICAL CONNECTION INFORMATION.
 - PROVIDE SLIP CRITICAL SHEAR CONNECTION AT BOTH ENDS OF BEAM. REFER TO 1/S3.00 FOR TYPICAL CONNECTION INFORMATION.
 - HSS8x8x5/16 (GALV), EL (+28' - 5'7/8"). REFER TO 12/S3.01 FOR DETAIL AT COLUMN.
 - HSS8x8x5/16 (GALV), EL (+28' - 5'7/8"). REFER TO 12/S3.01 SIM FOR DETAIL AT COLUMN.
 - HSS4x4x5/16, EL (+31' - 4"). REFER TO 12/3.01 FOR DETAIL.
 - BEAM SUPPORTS BRICK ON BOTH SIDES. REF ARCH. EXTEND 3/8" PLATE OUT ON EACH SIDE OF BEAM TO PICK UP BRICK. REFER TO 12/S3.01 FOR WELD AND PLATE EXTENT.
 - PLATE BEAM. REFER TO 9/S3.02 (SIM). BEAM IS TO BE AESS. REFER TO SPECIFICATIONS FOR AESS CATEGORY.
 - PROVIDE L6x4x5/16 (LSH) FOR LOSE LINTELS ALONG THIS SIDE (MAX SPAN OF 6' - 0").
 - ROOF DAVIT - COORDINATE LOCATION WITH ARCHITECTURAL. REFER TO DETAILS FOR LOADING ON JOISTS.
 - PROVIDE ANGLE FRAMING AROUND MECH UNIT PER 7/S3.01.
 - DESIGN JOIST FOR 38 PSF (1.0DL) AND 25 PSF (1.0SL) ALONG WITH LOADS FROM ROOF DAVIT PER 10/S3.02.
 - PROVIDE 1/2 CAMBER.
 - PROVIDE ANGLE FRAMING AROUND OPENINGS PER 7/S3.01.
 - W8x24 HOIST BEAM.



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1 ROOF FRAMING PLAN - EAST

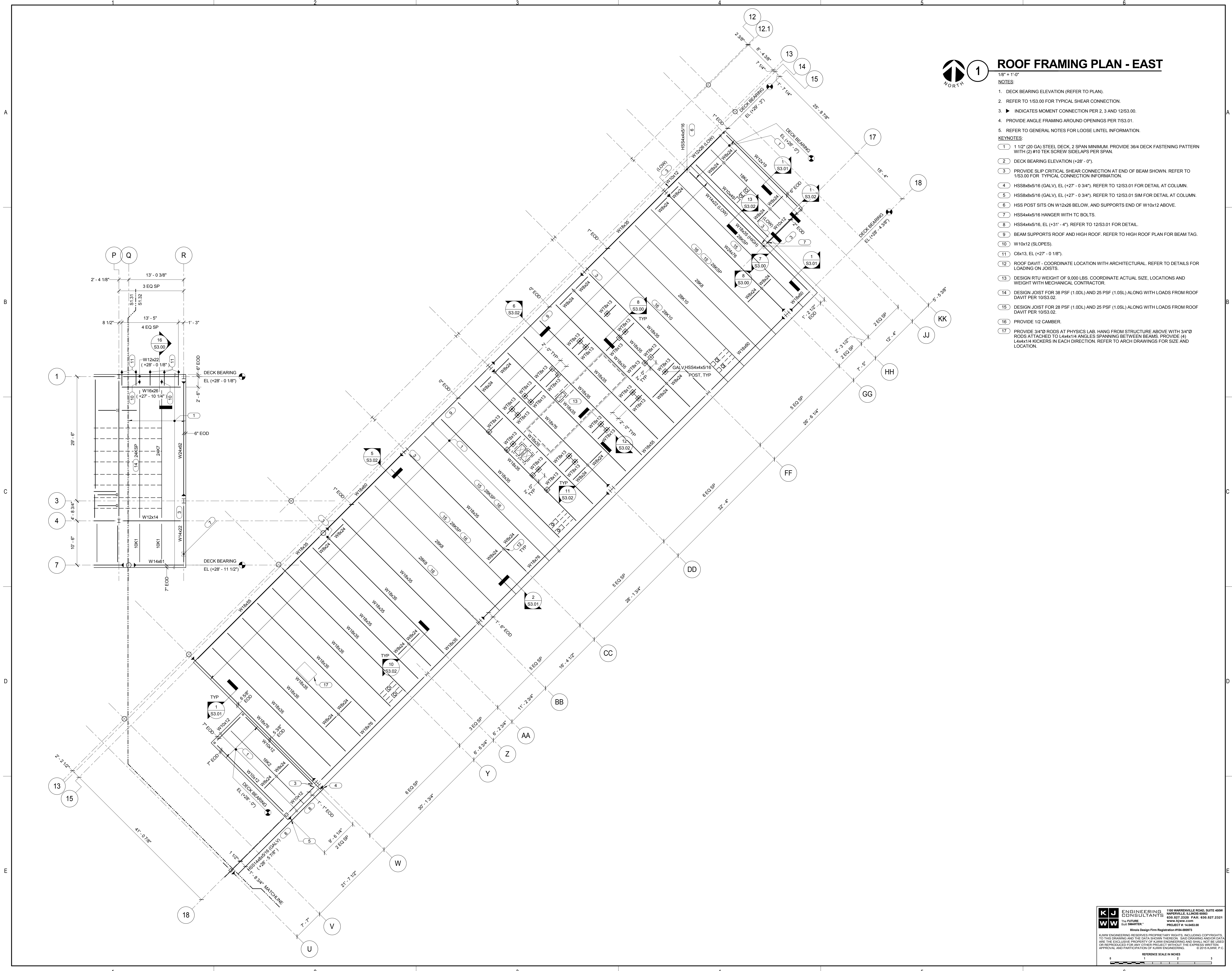
1/8" = 1'-0"

NOTES:

- DECK BEARING ELEVATION (REFER TO PLAN).
- REFER TO 1S3.00 FOR TYPICAL SHEAR CONNECTION.
- ▶ INDICATES MOMENT CONNECTION PER 2, 3 AND 12S3.00.
- PROVIDE ANGLE FRAMING AROUND OPENINGS PER 7S3.01.
- REFER TO GENERAL NOTES FOR LOOSE LINTEL INFORMATION.

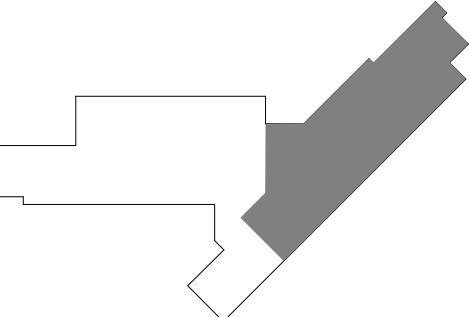
KEYNOTES:

- 1 1/2" (20 GA) STEEL DECK, 2 SPAN MINIMUM. PROVIDE 364 DECK FASTENING PATTERN WITH (2) #10 TEK SCREW SIDELAPS PER SPAN.
- DECK BEARING ELEVATION (+28'-0").
- PROVIDE SLIP CRITICAL SHEAR CONNECTION AT END OF BEAM SHOWN. REFER TO 1S3.00 FOR TYPICAL CONNECTION INFORMATION.
- HSS8x8x5/16 (GALV), EL (+27'-0 3/4"), REFER TO 12S3.01 FOR DETAIL AT COLUMN.
- HSS8x8x5/16 (GALV), EL (+27'-0 3/4"), REFER TO 12S3.01 FOR DETAIL AT COLUMN.
- HSS POST SITS ON W12x26 BELOW, AND SUPPORTS END OF W10x12 ABOVE.
- HSS4x4x2/16 HANGER WITH TC BOLTS.
- HSS4x4x5/16, EL (+31'-4"). REFER TO 12S3.01 FOR DETAIL.
- BEAM SUPPORTS ROOF AND HIGH ROOF. REFER TO HIGH ROOF PLAN FOR BEAM TAG.
- W10x12 (SLOPES).
- C6x13, EL (+27'-0 1/8").
- ROOF DAVIT - COORDINATE LOCATION WITH ARCHITECTURAL. REFER TO DETAILS FOR LOADING ON JOISTS.
- DESIGN RTU WEIGHT OF 9,000 LBS. COORDINATE ACTUAL SIZE, LOCATIONS AND WEIGHT WITH MECHANICAL CONTRACTOR.
- DESIGN JOIST FOR 38 PSF (1.0DL) AND 25 PSF (1.0SL) ALONG WITH LOADS FROM ROOF DAVIT PER 10S3.02.
- DESIGN JOIST FOR 28 PSF (1.0DL) AND 25 PSF (1.0SL) ALONG WITH LOADS FROM ROOF DAVIT PER 10S3.02.
- PROVIDE 1/2 CAMBER.
- PROVIDE 3/4" RODS AT PHYSICS LAB. HANG FROM STRUCTURE ABOVE WITH 3/4" RODS ATTACHED TO L4x4x1/4 ANGLES SPANNING BETWEEN BEAMS. PROVIDE (4) L4x4x1/4 KICKERS IN EACH DIRECTION. REFER TO ARCH DRAWINGS FOR SIZE AND LOCATION.



JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
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 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ROOF FRAMING PLAN - EAST

SHEET NUMBER:

S1.32

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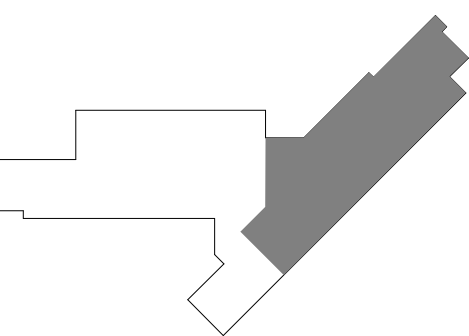


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 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15

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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
HIGH ROOF FRAMING PLAN

SHEET NUMBER:

S1.41



1 HIGH ROOF FRAMING PLAN

1/8" = 1'-0"

- NOTES:
- DECK BEARING ELEVATION (REFER TO PLAN).
 - REFER TO 1/S3.00 FOR TYPICAL SHEAR CONNECTION.
 - INDICATES MOMENT CONNECTION PER 2, 3 AND 12/S3.00.
 - PROVIDE ANGLE FRAMING AROUND OPENING PER 7/S3.01.
 - REFER TO GENERAL NOTES FOR LOOSE LINTEL INFORMATION.
 - COORDINATE SCREEN WALL LOCATION WITH ACTUAL MECHANICAL UNIT SELECTED.
 - REFER TO 4/S3.00 FOR SKEWED BEAM SHEAR CONNECTION.

KEYNOTES:

- 1 1/2" (20 GA) STEEL DECK, 2 SPAN MINIMUM. PROVIDE 36/4 DECK FASTENING PATTERN WITH (2) #10 TEK SCREW SIDELAPS PER SPAN.
- 2 GALV HSS4x4x5/16, TYP
- 3 HSS2 1/2x1 1/2x1/4 (LSH) WITHIN EACH DECK FLUTE. REFER TO 9/S3.01 FOR DETAIL.
- 4 PROVIDE SLIP CRITICAL SHEAR CONNECTION AT BOTH ENDS OF BEAM. REFER TO 1/S3.00 FOR TYPICAL CONNECTION INFORMATION.
- 5 ROOF DAVIT - COORDINATE LOCATION WITH ARCHITECTURAL. REFER TO DETAILS FOR LOADING ON JOISTS.
- 6 PROVIDE SLIP CRITICAL SHEAR CONNECTION AT THIS END OF BEAM. REFER TO 1/3.00 FOR TYPICAL SHEAR CONNECTION.
- 7 PROVIDE DOUBLE ANGLE SLIP CRITICAL SHEAR CONNECTION AT THIS END OF BEAM. REFER TO 1/3.00 FOR TYPICAL SHEAR CONNECTION.
- 8 DESIGN JOIST FOR 28 PSF (1.0DL) AND 30 PSF (1.0SL) ALONG WITH LOADS FROM ROOF DAVIT PER 10/S3.02.
- 9 PROVIDE 3/8" CAP PLATE AT HIGH TRIANGULAR ROOF. WHERE COLUMNS ARE MOMENT CONNECTED TO BEAM PROVIDE CAP PLATE PER 12/S3.00.



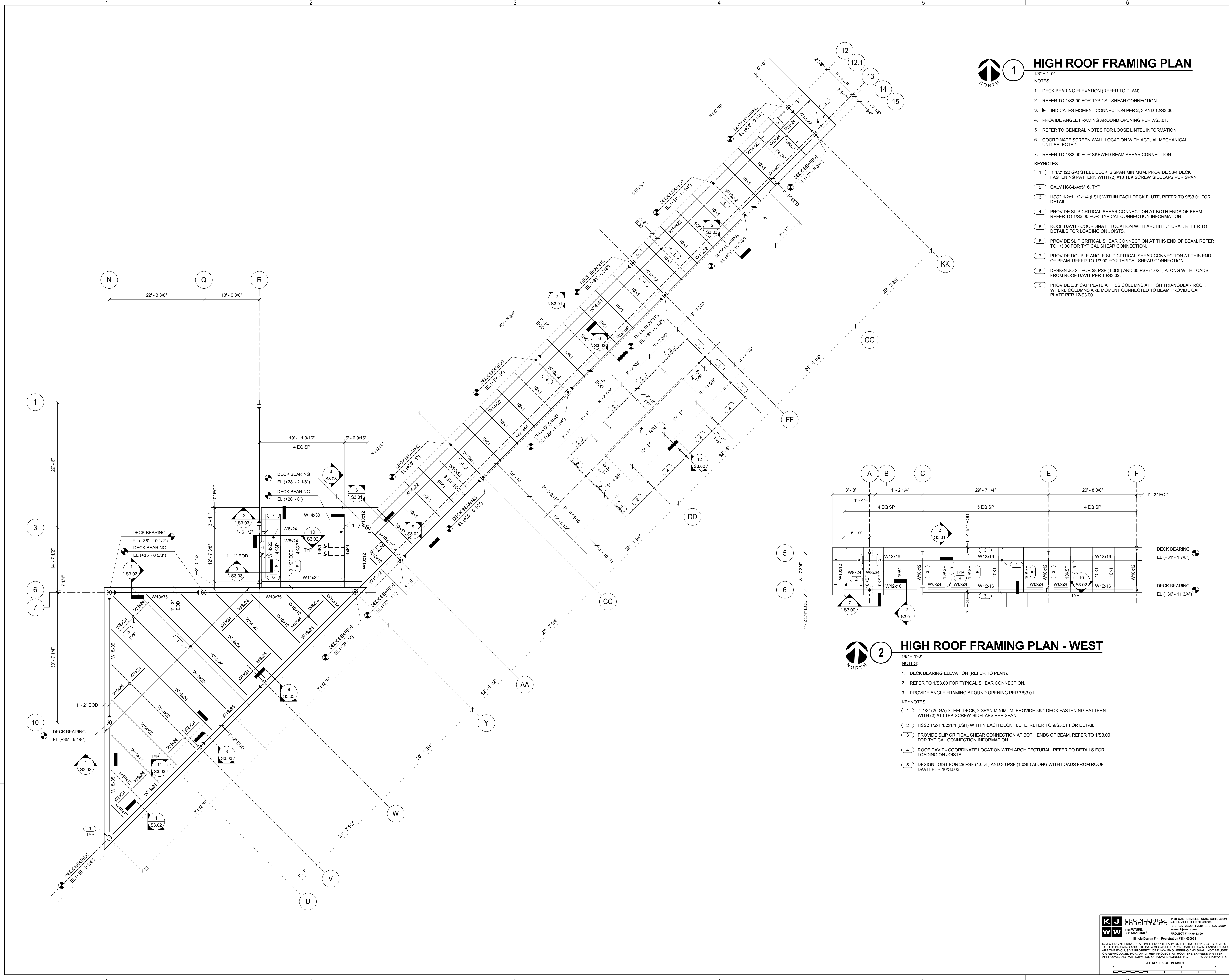
2 HIGH ROOF FRAMING PLAN - WEST

1/8" = 1'-0"

- NOTES:
- DECK BEARING ELEVATION (REFER TO PLAN).
 - REFER TO 1/S3.00 FOR TYPICAL SHEAR CONNECTION.
 - PROVIDE ANGLE FRAMING AROUND OPENING PER 7/S3.01.

KEYNOTES:

- 1 1/2" (20 GA) STEEL DECK, 2 SPAN MINIMUM. PROVIDE 36/4 DECK FASTENING PATTERN WITH (2) #10 TEK SCREW SIDELAPS PER SPAN.
- HSS2 1/2x1 1/2x1/4 (LSH) WITHIN EACH DECK FLUTE. REFER TO 9/S3.01 FOR DETAIL.
- PROVIDE SLIP CRITICAL SHEAR CONNECTION AT BOTH ENDS OF BEAM. REFER TO 1/S3.00 FOR TYPICAL CONNECTION INFORMATION.
- ROOF DAVIT - COORDINATE LOCATION WITH ARCHITECTURAL. REFER TO DETAILS FOR LOADING ON JOISTS.
- DESIGN JOIST FOR 28 PSF (1.0DL) AND 30 PSF (1.0SL) ALONG WITH LOADS FROM ROOF DAVIT PER 10/S3.02.



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KEY PLAN:

SHEET STATUS: 9/21/15

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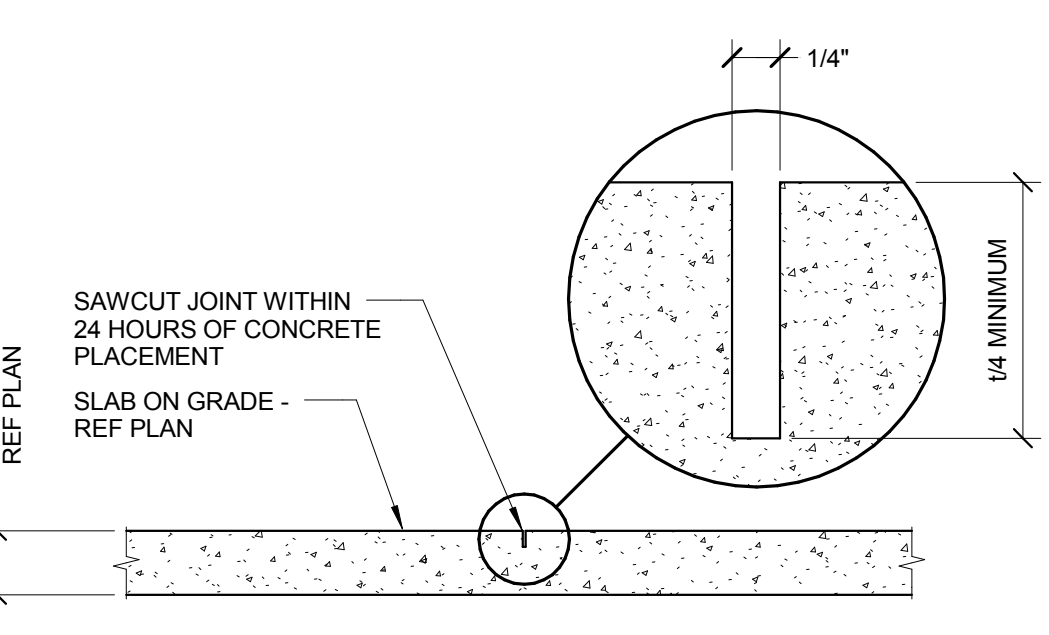
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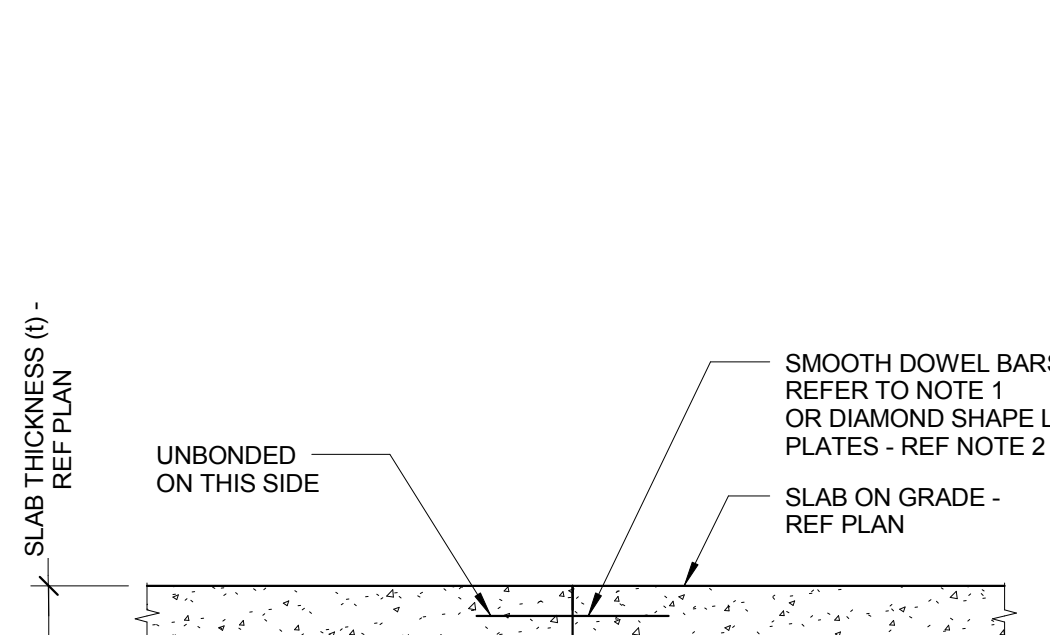
FOUNDATION DETAILS

SHEET NUMBER:

S2.00

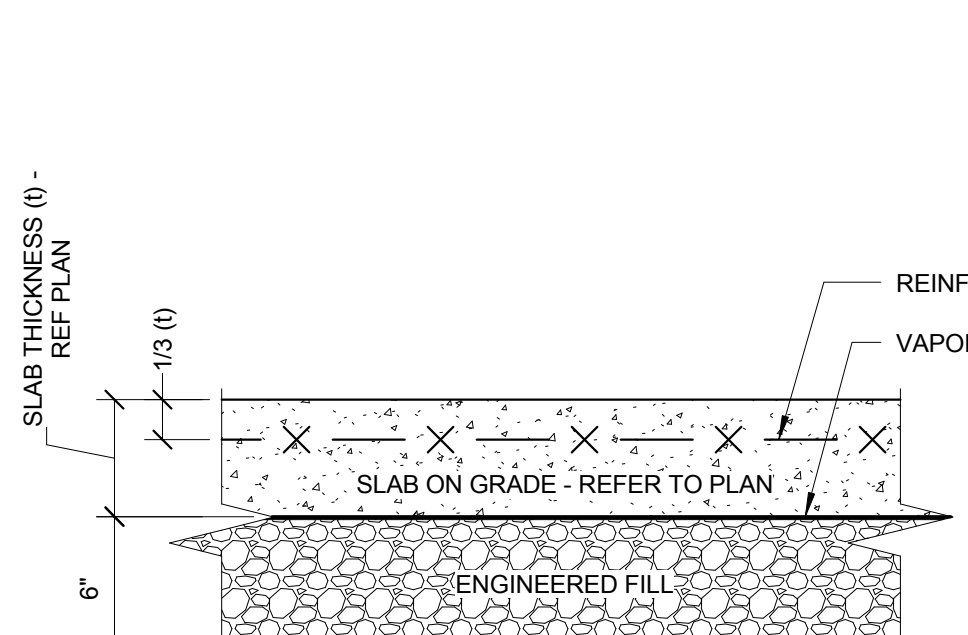


1 TYPICAL SLAB ON GRADE CONTROL JOINT
 1" = 1'-0"



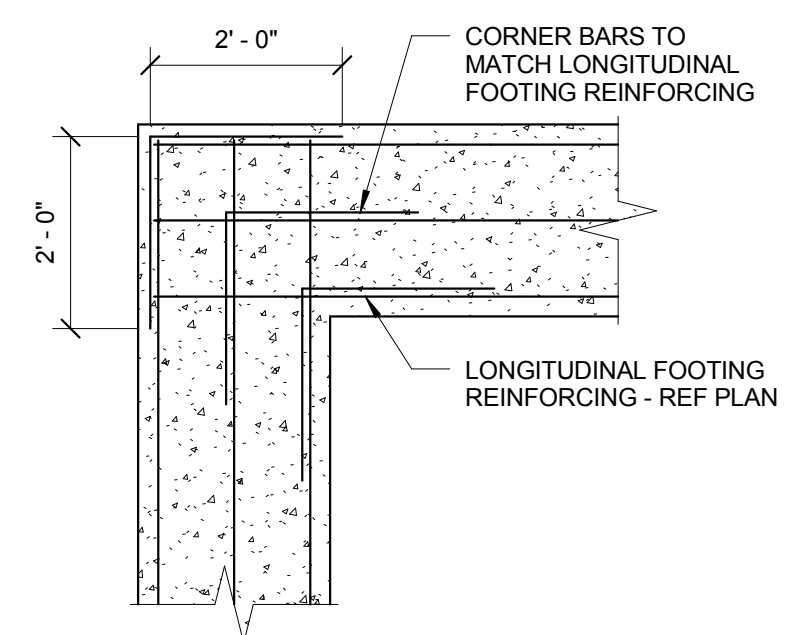
2 TYPICAL SLAB CONSTRUCTION JOINT
 3/4" = 1'-0"

- NOTES:
 1. USE 1/2"Ø x 1'-4" SMOOTH DOWEL BARS AT 18" OC.
 2. USE 1/4"x4 1/2"x4 1/2" DIAMOND LOAD PLATES AT 18" OC.

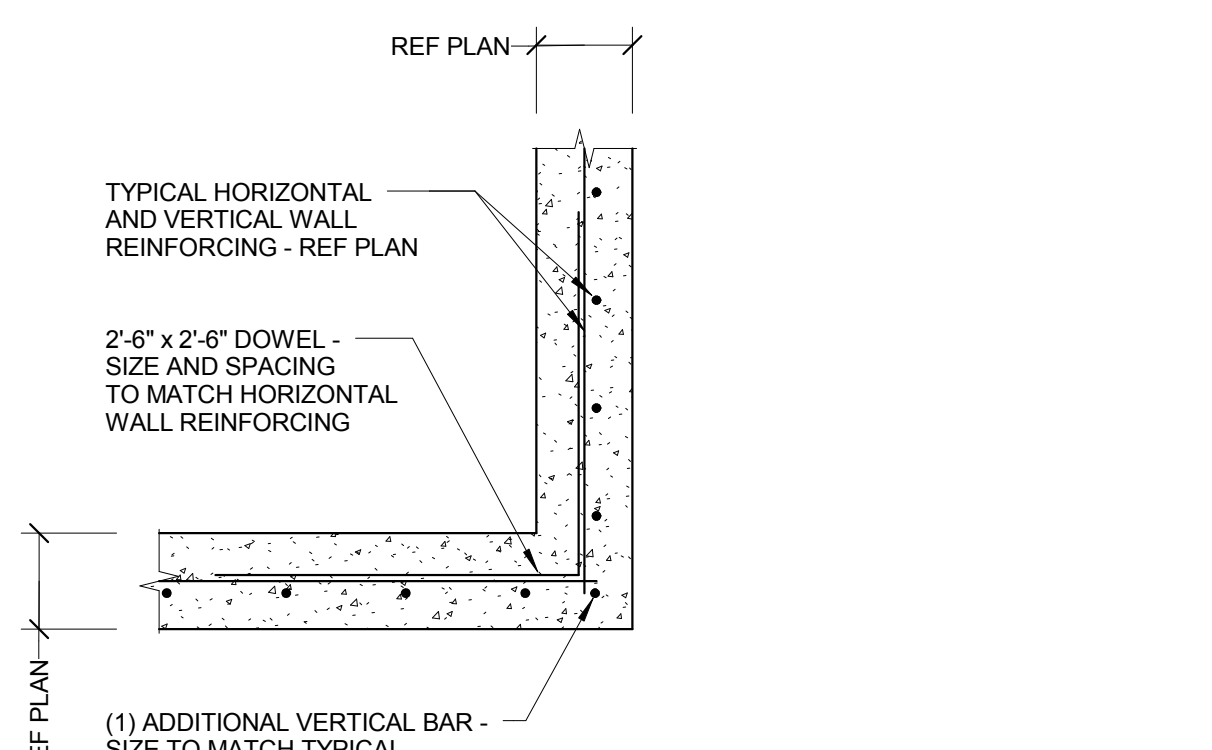


3 TYPICAL SLAB ON GRADE SECTION
 1 1/2" = 1'-0"

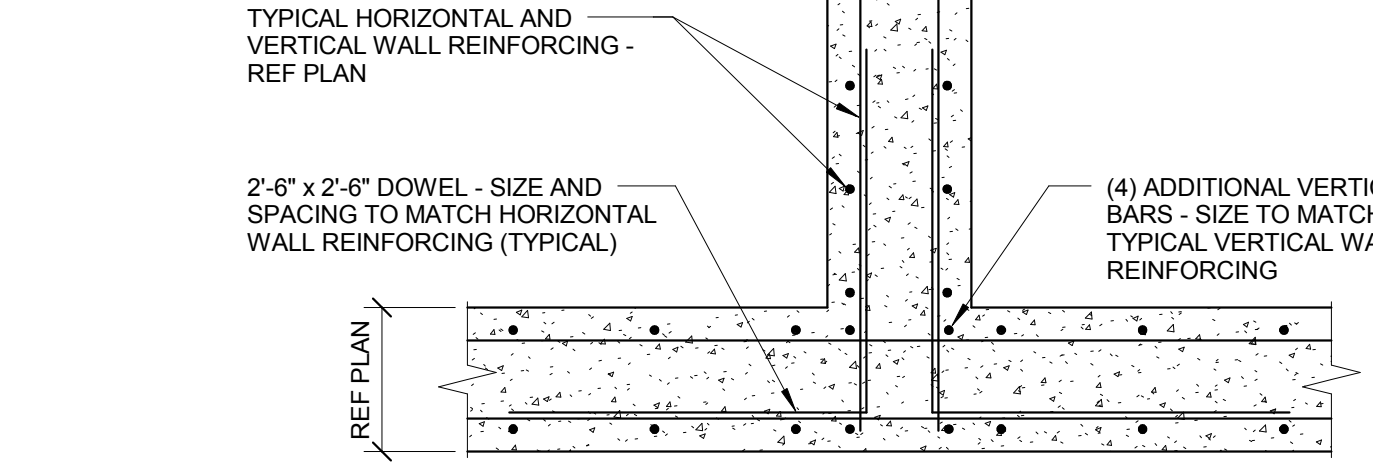
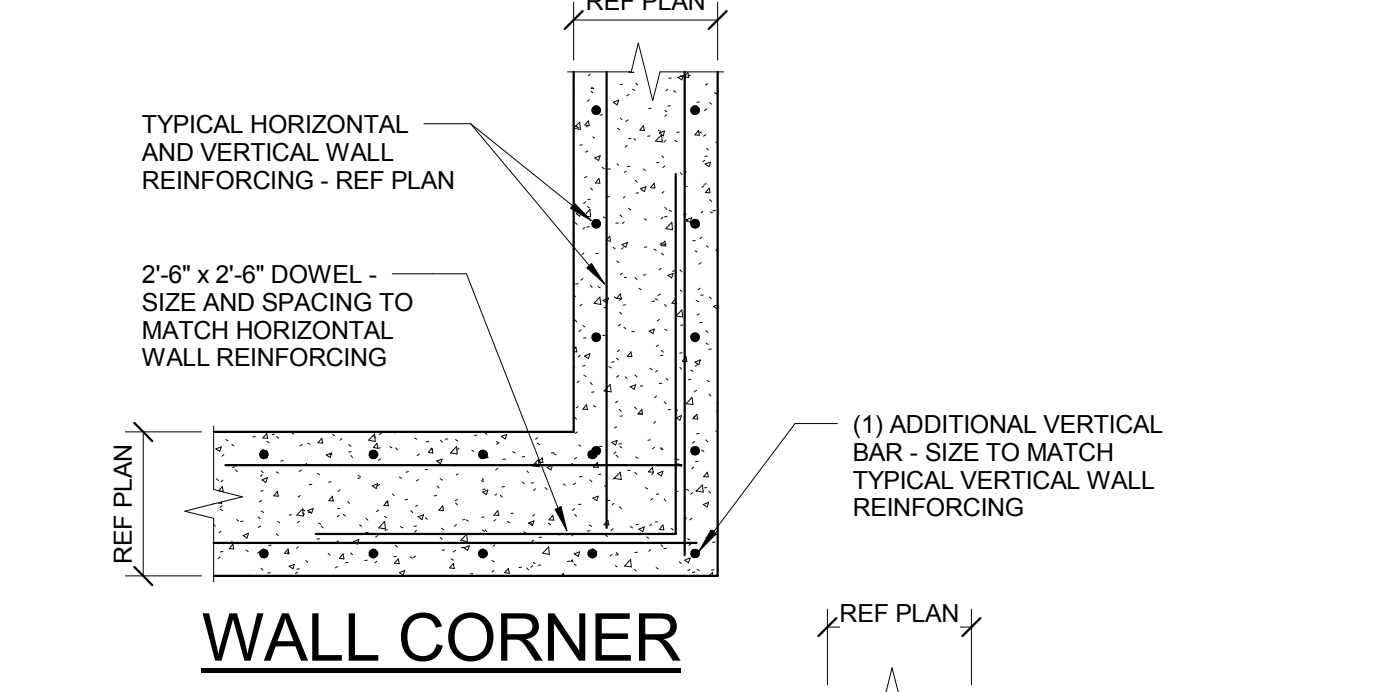
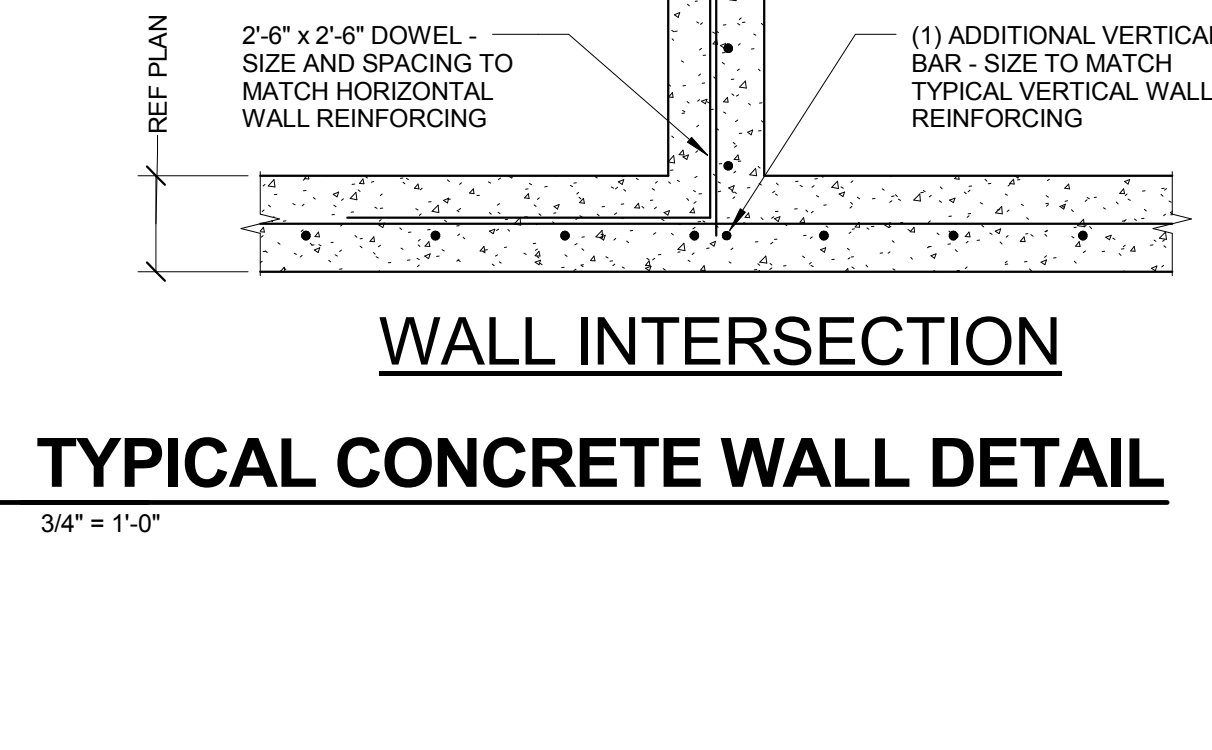
- NOTES:
 1. REFERENCE SPECIFICATIONS FOR MATERIAL AND COMPACTION REQUIREMENTS.



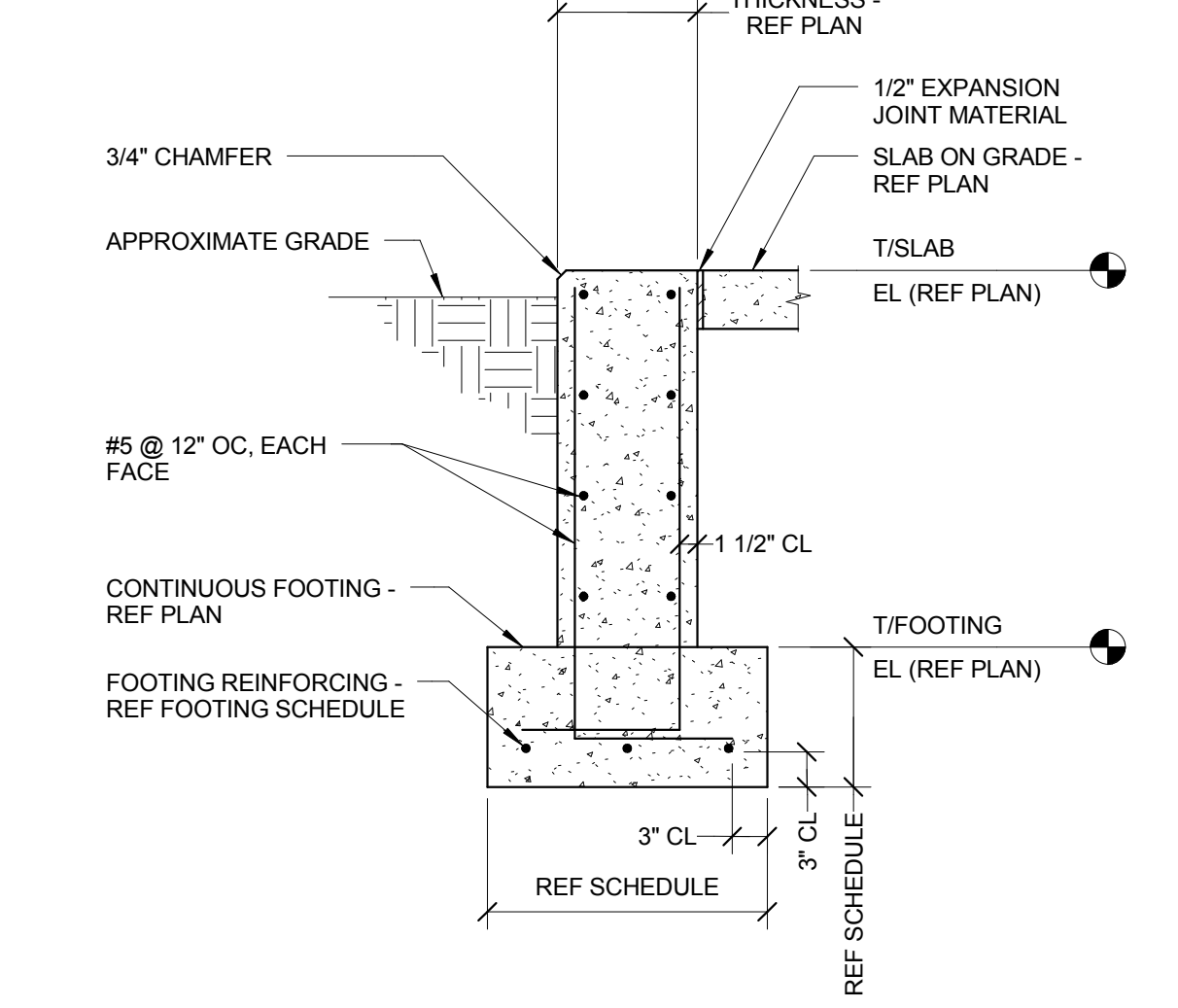
4 TYPICAL FOOTING CORNER BARS
 1/2" = 1'-0"



5 TYPICAL CONCRETE WALL DETAIL
 3/4" = 1'-0"

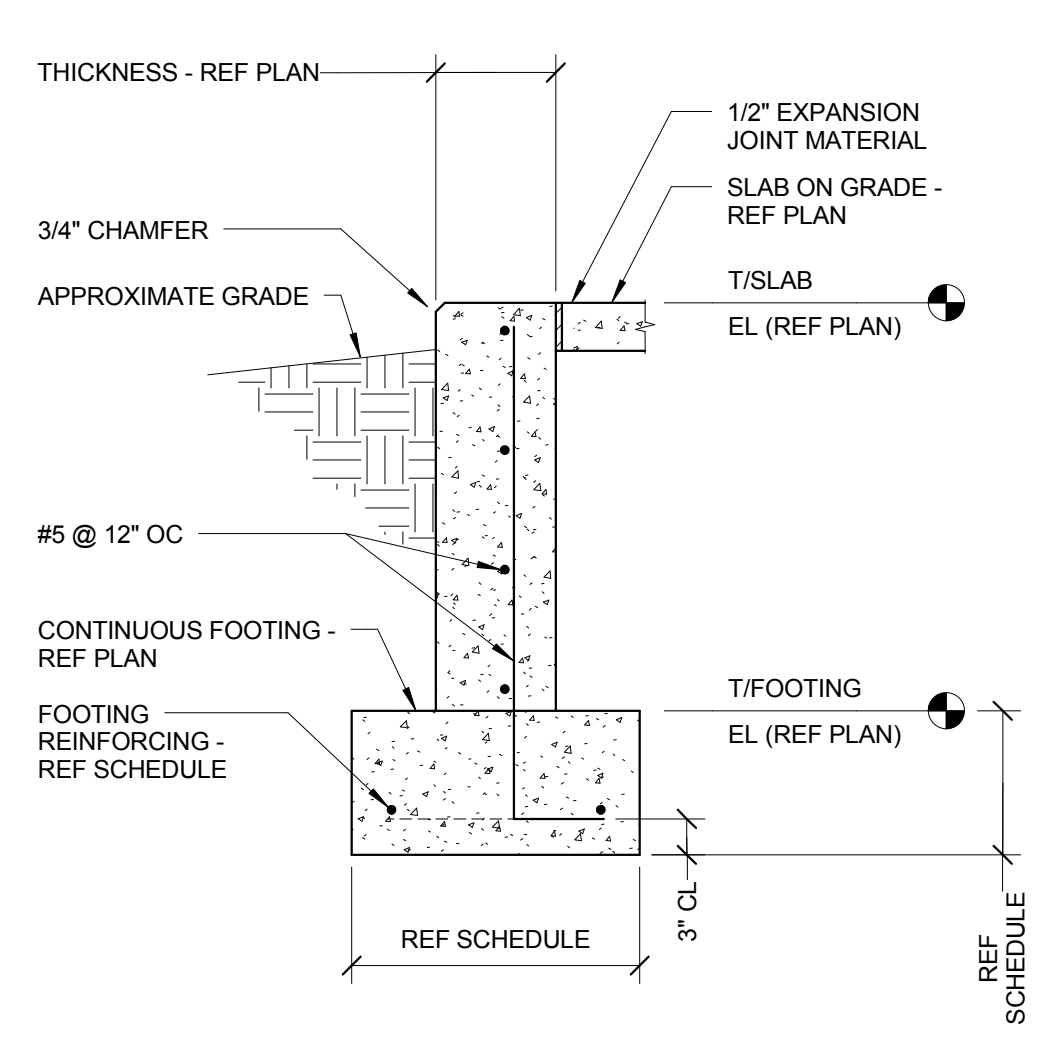


6 TYPICAL CONCRETE WALL DETAIL
 3/4" = 1'-0"

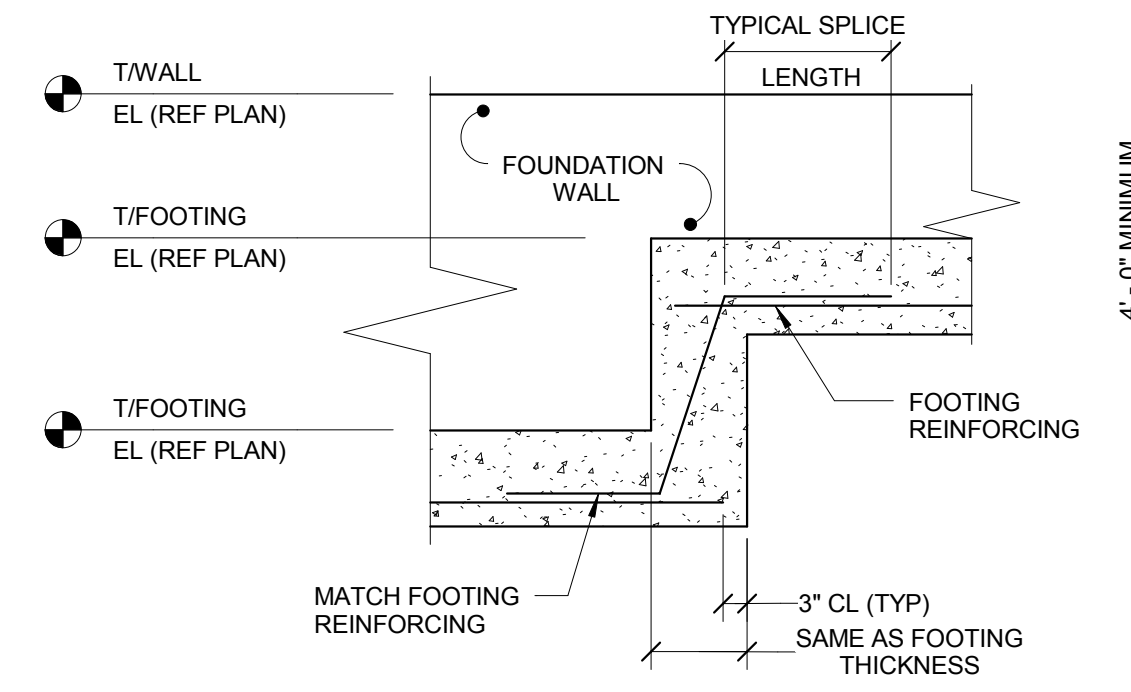


7 TYPICAL FOUNDATION WALL
 3/4" = 1'-0"

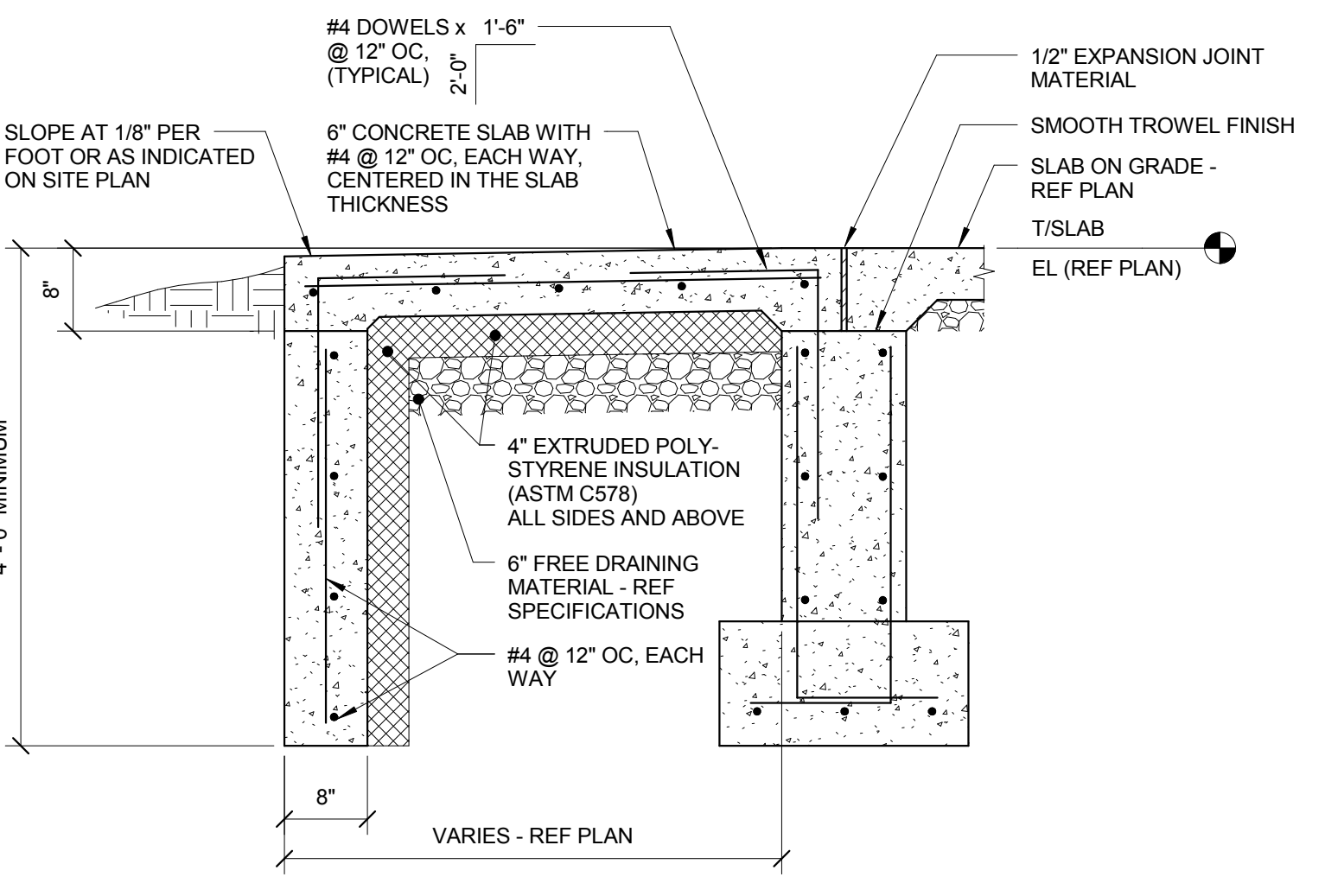
- NOTES:
 1. AT SIM SLAB ON GRADE IS AT BOTH SIDES OF FOUNDATION WALL, DO NOT PROVIDE 3/4" CHAMFER.



8 TYPICAL FOUNDATION WALL
 3/4" = 1'-0"

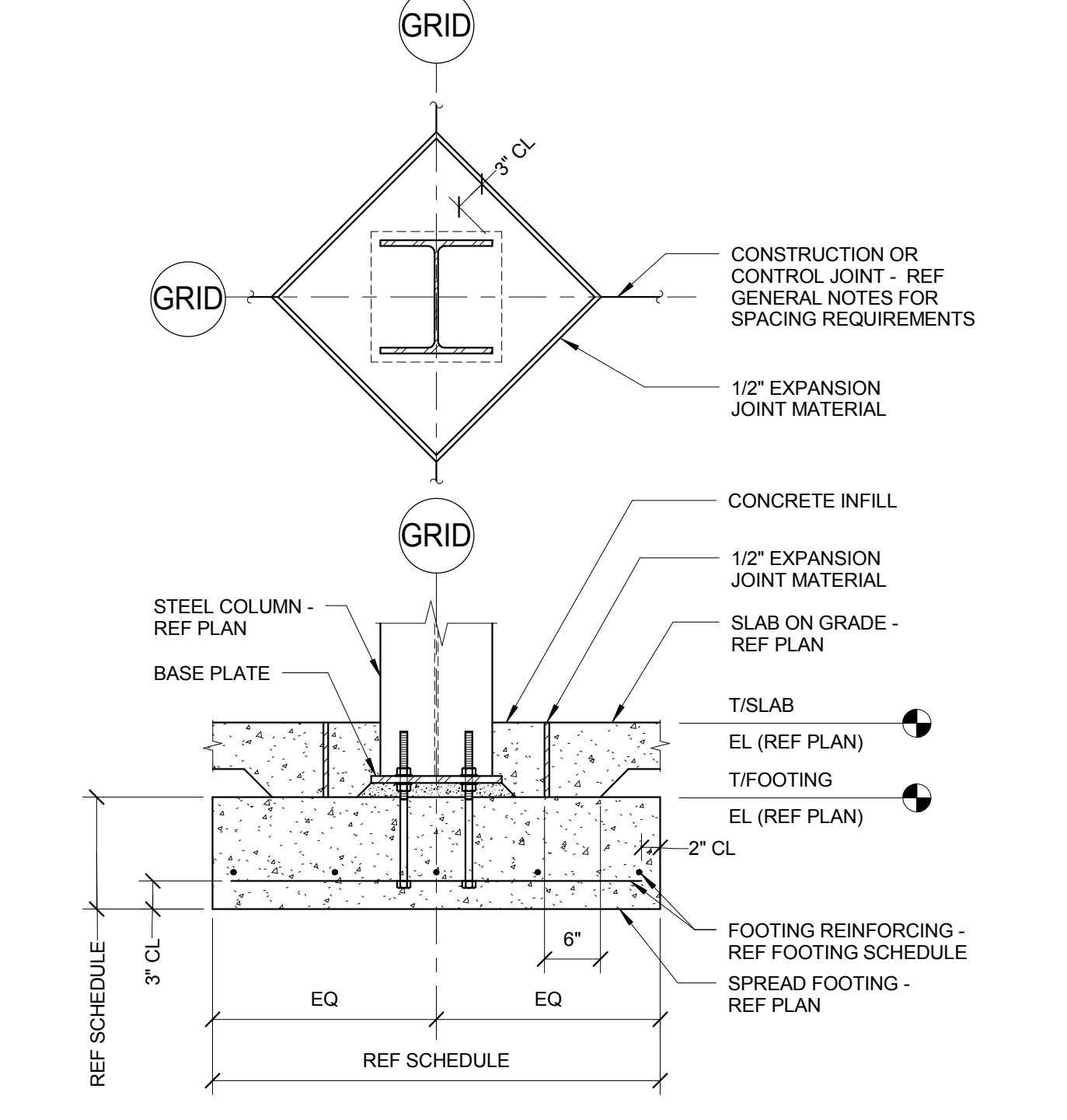


9 TYPICAL FOOTING STEP
 1/2" = 1'-0"

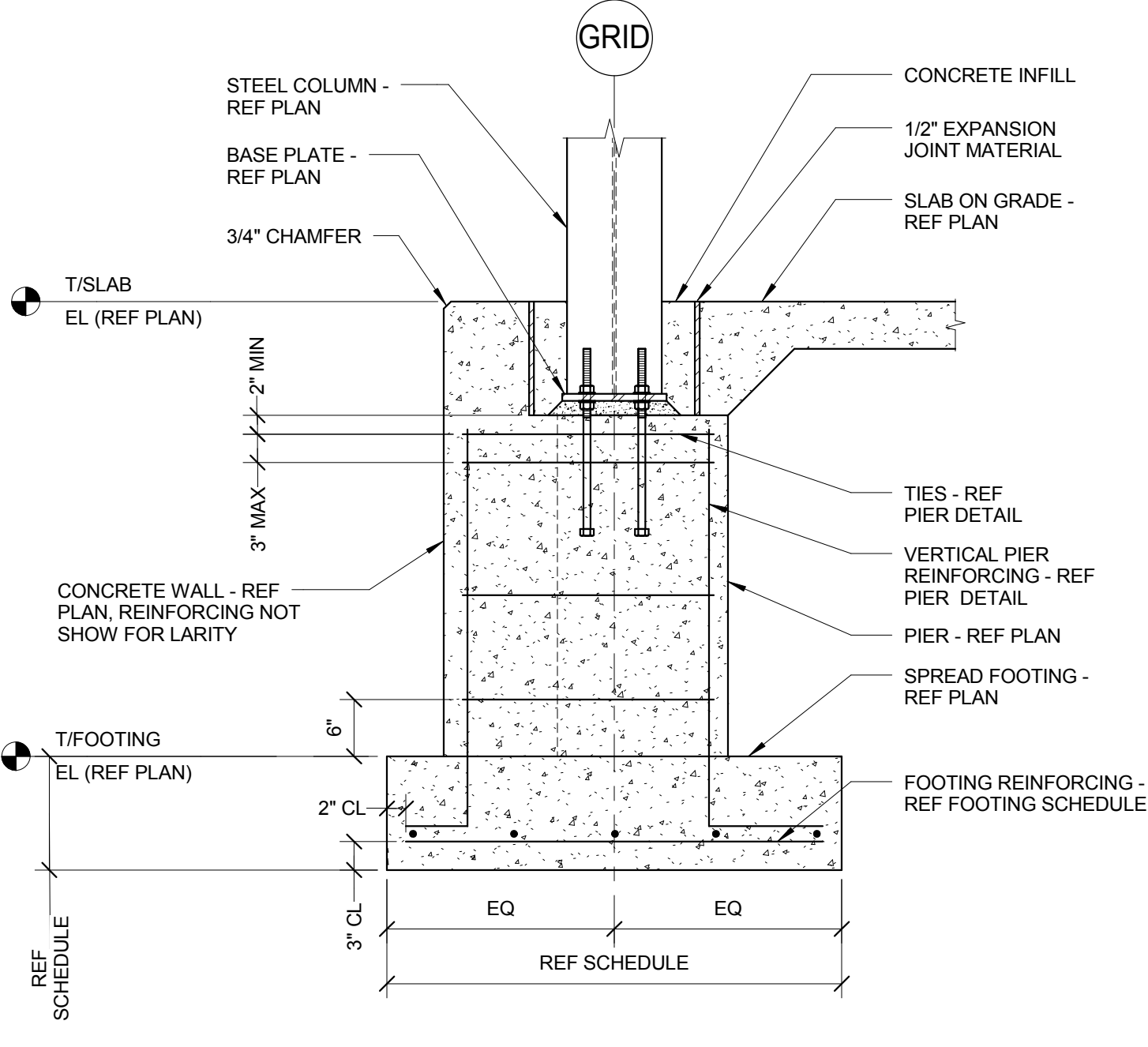


10 TYPICAL STOOP SECTION
 3/4" = 1'-0"

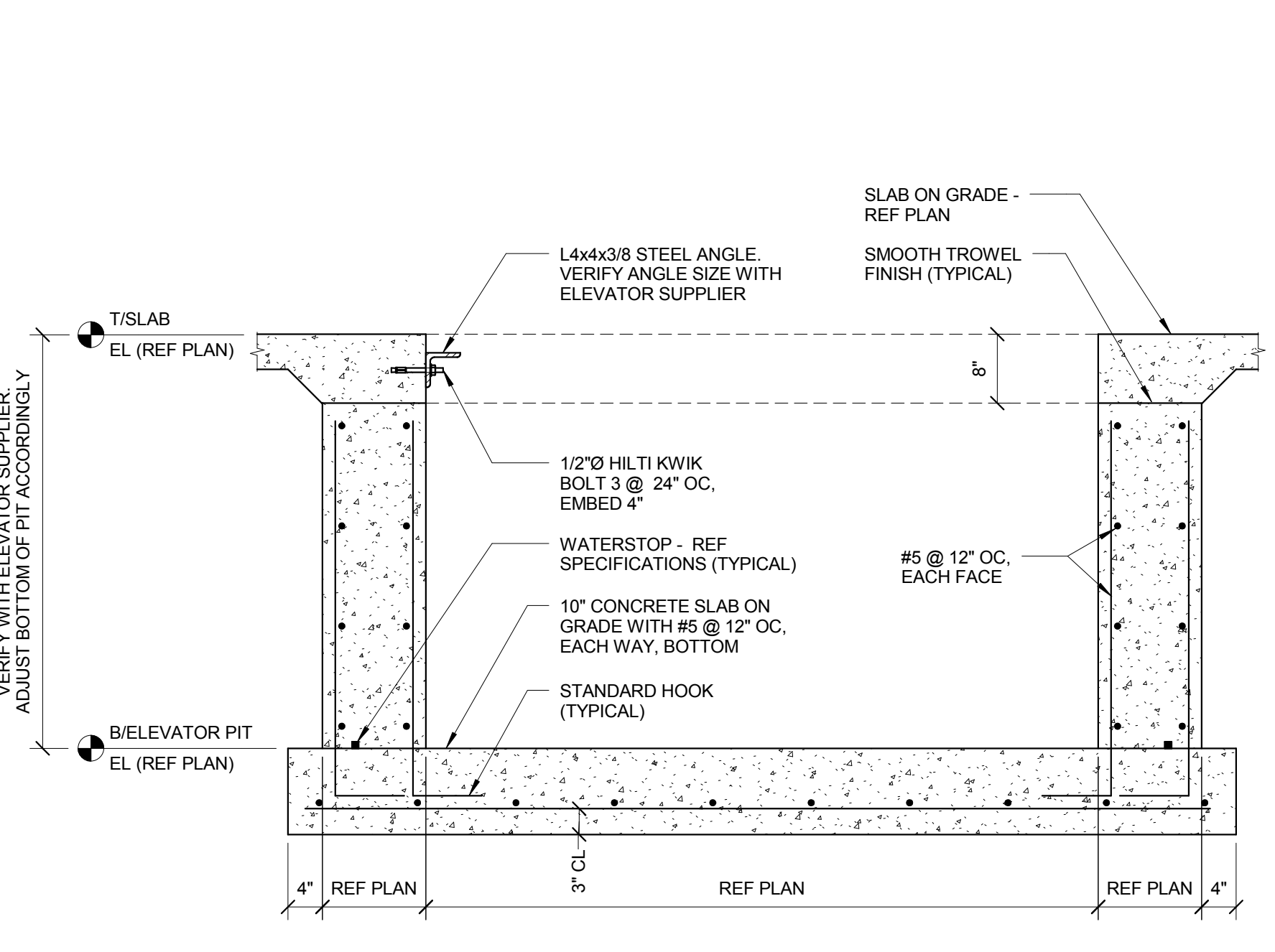
- NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT STOOP LAYOUT AND LOCATIONS.
 2. REFER TO TYPICAL FOUNDATION WALL DETAIL FOR INFORMATION NOT SHOWN.



11 TYPICAL SPREAD FOOTING
 3/4" = 1'-0"

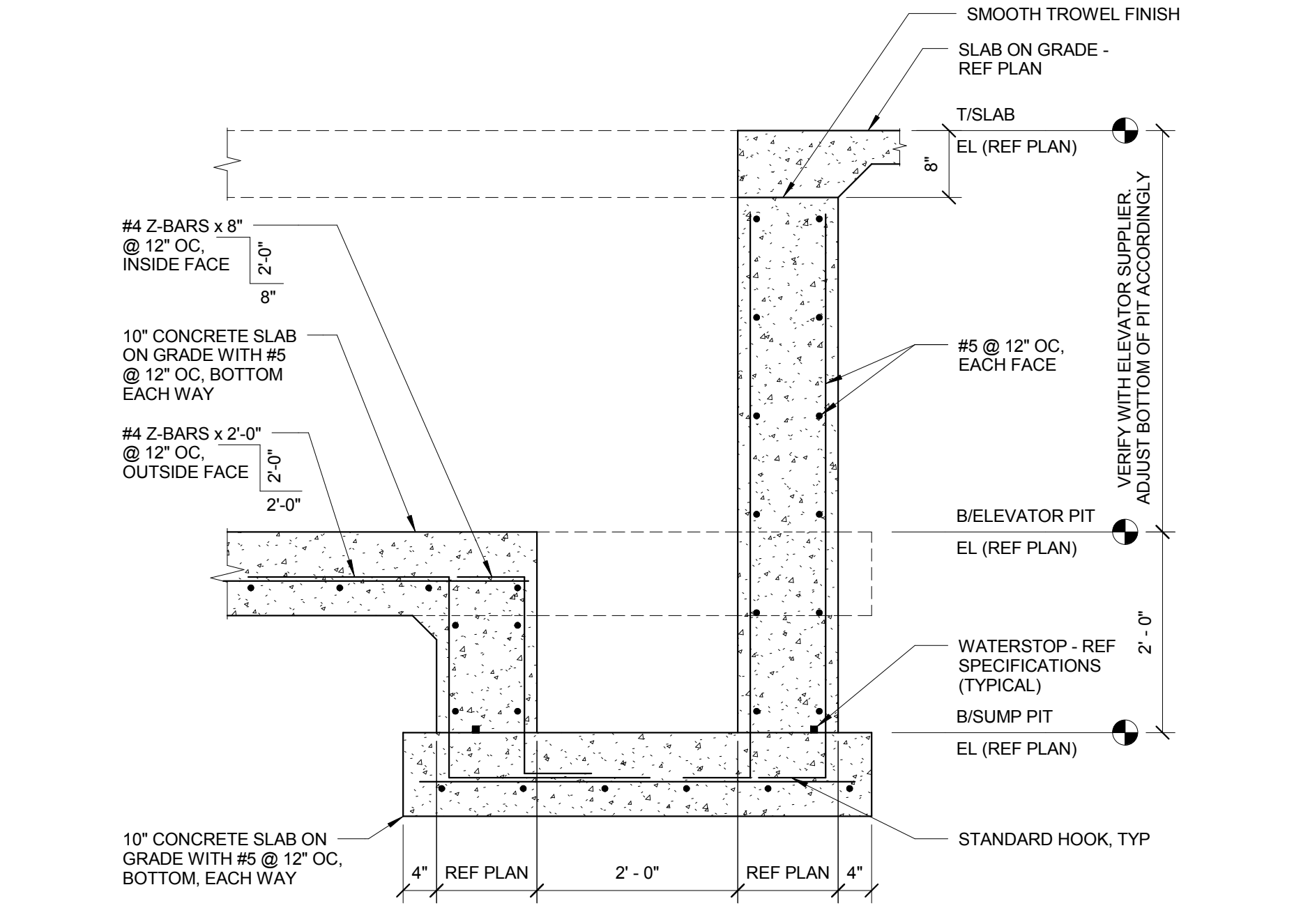


12 TYPICAL SPREAD FOOTING WITH PIER
 3/4" = 1'-0"



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

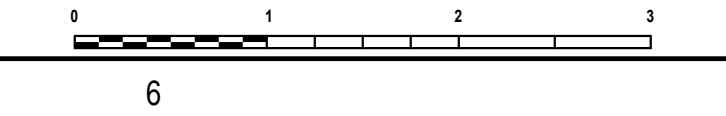
- NOTES:
 1. REFER TO ARCHITECTURAL DRAWINGS FOR PIT LADDER.



14 SUMP PIT SECTION
 3/4" = 1'-0"

- NOTES:
 1. COORDINATE LOCATION OF SUMP WITH ELEVATOR SUPPLIER TO AVOID ELEVATOR COMPONENTS AND ACCESS AREA.

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KEY PLAN:

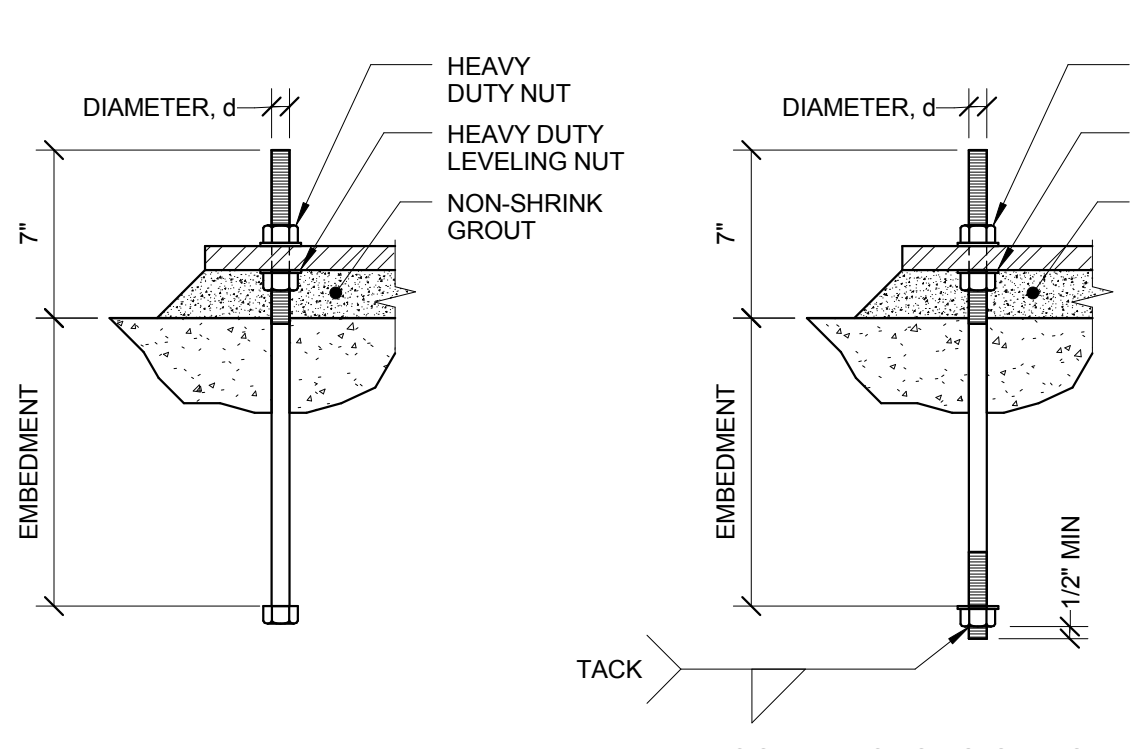
SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
FOUNDATION DETAILS

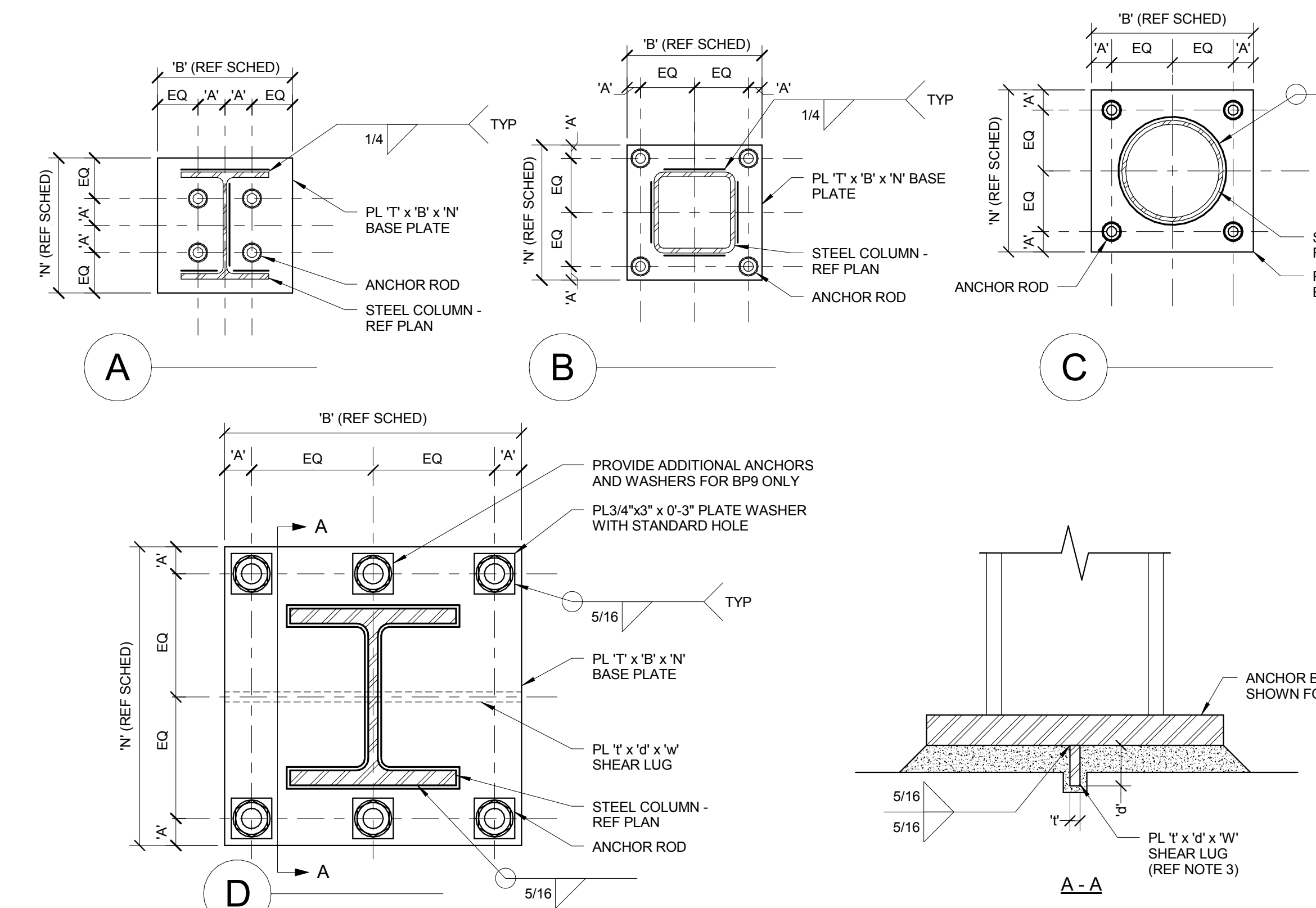
SHEET NUMBER:

S2.01



1 TYPICAL ANCHOR ROD
 1 1/2" = 1'-0"

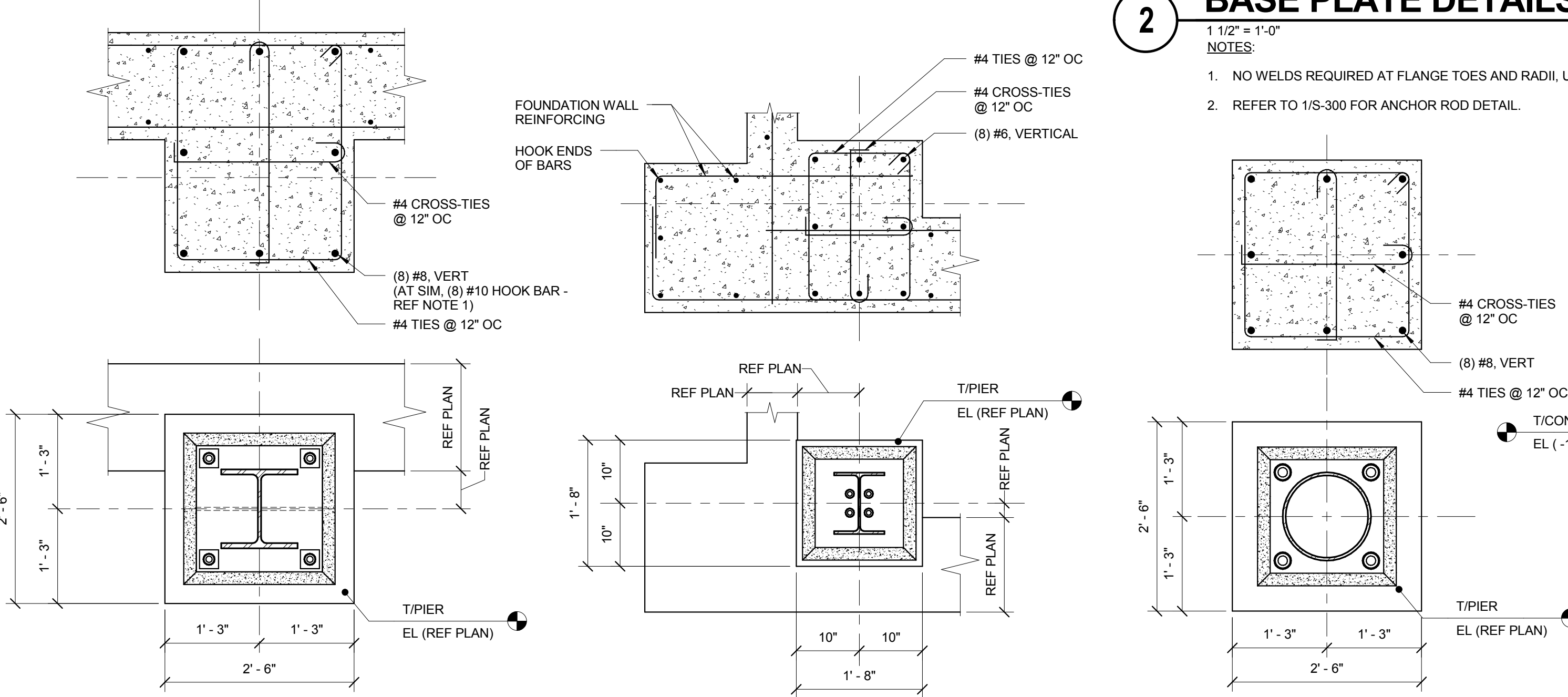
- NOTES:
- REFERENCE BASE PLATE DETAILS FOR DIAMETER AND EMBEDMENT.
 - REFERENCE GENERAL NOTES FOR MATERIAL REQUIREMENTS.
 - ANCHOR RODS SHALL BE SET PRIOR TO PLACEMENT OF CONCRETE.
 - PROTECT ANCHOR RODS FROM DAMAGE.
 - ANCHOR SHALL BE SET SO AS NOT TO VARY FROM THE DIMENSIONS SHOWN ON THE ERECTION DRAWINGS BY MORE THAN THE FOLLOWING:
 A. 1/8" CENTER TO CENTER OF ANY TWO RODS WITHIN AN ANCHOR ROD GROUP.
 B. 1/4" CENTER TO CENTER OF ADJACENT ANCHOR ROD GROUPS.
 C. ELEVATION OF THE TOP OF ANCHOR RODS ± 1/2".
 D. MAXIMUM ACCUMULATION OF 1/4" PER HUNDRED FEET ALONG THE ESTABLISHED COLUMN LINE.
 E. 1/4" FROM THE CENTER OF ANY ANCHOR ROD GROUP TO THE ESTABLISHED COLUMN LINE THROUGH THAT GROUP.
 F. REFERENCE AISC CODE OF STANDARD PRACTICE FOR ADDITIONAL INFORMATION.
 - SET ANCHOR RODS PERPENDICULAR TO BEARING SURFACE, UNLESS NOTED OTHERWISE.
 - PROVIDE 2" NON-SHRINK GROUT AT ALL BASE PLATES.



BASE PLATE SCHEDULE								
MARK	'B'	'N'	'T'	'A'	ANCHOR RODS	SHEAR LUG PL 't' x 'd' x 'w'	DETAIL	REMARKS
BP1	1'-2"	1'-2"	3/4"	1 1/2"	(4) 3/4"Ø WITH 9" EMBEDMENT	-	A	-
BP2	1'-2"	1'-2"	1"	1 1/2"	(4) 3/4"Ø WITH 9" EMBEDMENT	-	A	-
BP3	1'-0"	1'-0"	3/4"	1 1/2"	(4) 3/4"Ø WITH 9" EMBEDMENT	-	C	-
BP4	1'-4"	1'-4"	3/4"	1 1/2"	(4) 3/4"Ø WITH 9" EMBEDMENT	-	C	-
BP5	1'-0"	1'-0"	3/4"	1 1/2"	(4) 3/4"Ø WITH 9" EMBEDMENT	-	B	-
BP6	1'-6"	1'-6"	1 1/2"	2"	(4) 1 1/2"Ø WITH 12" EMBEDMENT	-	C	-
BP7	1'-8"	1'-8"	2"	2"	(4) 1 1/2"Ø WITH 18" EMBEDMENT	-	D	-
BP8	2'-2"	2'-2"	2 3/4"	2"	(6) 2"Ø WITH 18" EMBEDMENT	-	D	-
BP9	2'-2"	2'-2"	2 3/4"	2"	(4) 1 1/2"Ø WITH 18" EMBEDMENT	PL 1"x2 1/2"x2'-2"	D	-
BP11	2'-2"	2'-0"	1 1/2"	2"	(4) 1 1/2"Ø WITH 18" EMBEDMENT	-	D	-

2 BASE PLATE DETAILS
 1 1/2" = 1'-0"

- NOTES:
- NO WELDS REQUIRED AT FLANGE TOES AND RADII, UNLESS NOTED OTHERWISE.
 - REFER TO 1/S-300 FOR ANCHOR ROD DETAIL.



6 PIER (P4 AND P4 SIM) DETAIL
 3/4" = 1'-0"

- NOTES:
- PROVIDE 90 DEGREE HOOK AT TOP OF BARS AND EXTEND HOOK TO BE WITHIN 2" OF CENTER OF BASE PLATE.

7 PIER (P5) DETAIL
 3/4" = 1'-0"

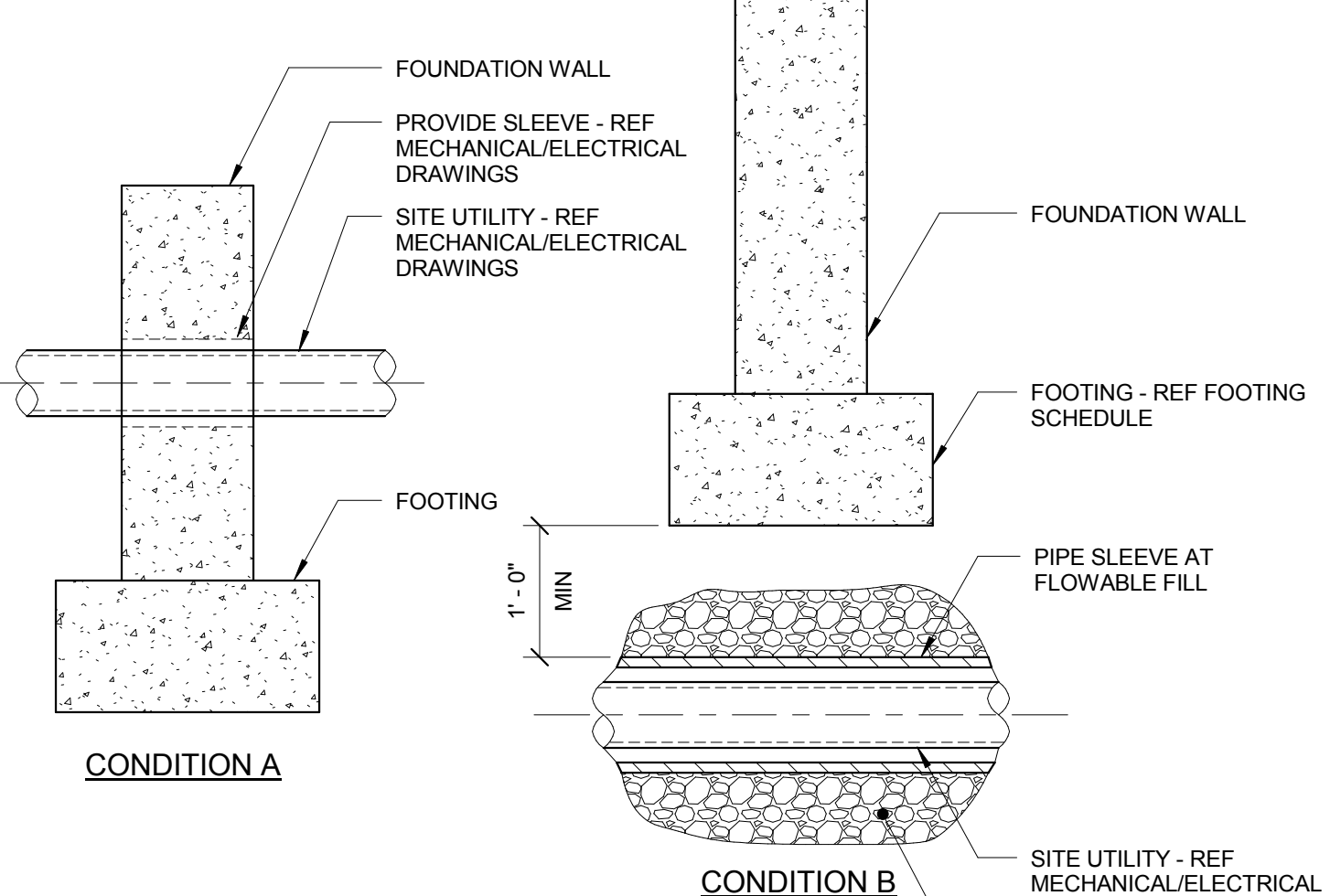
8 PIER (P6) DETAIL
 3/4" = 1'-0"

- NOTES:
- AT SIM COLUMN IS WIDE FLANGE.

9 PIER (P7) DETAIL
 3/4" = 1'-0"

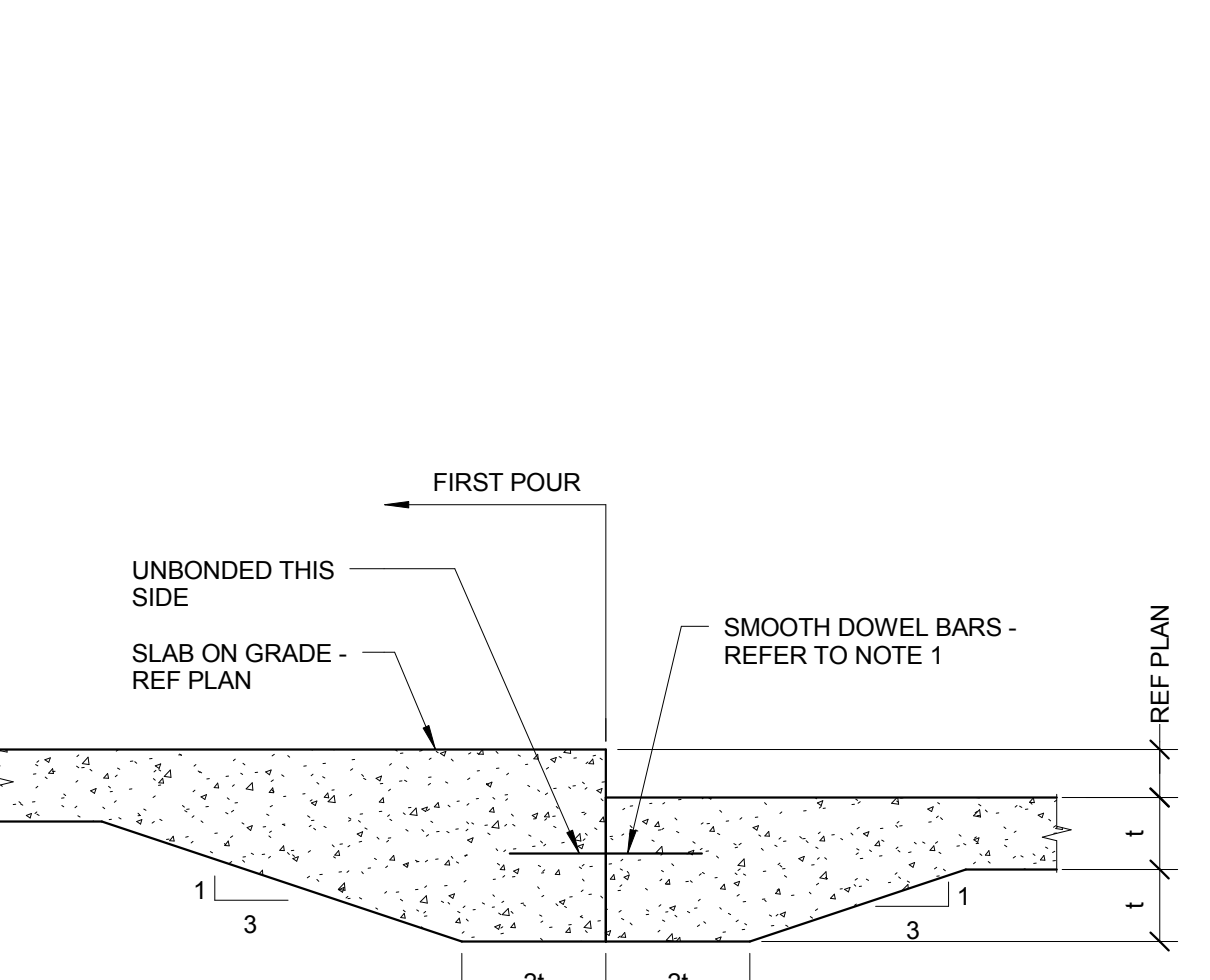
10 PIER (P8) DETAIL
 3/4" = 1'-0"

11 PIER (P9) DETAIL
 3/4" = 1'-0"



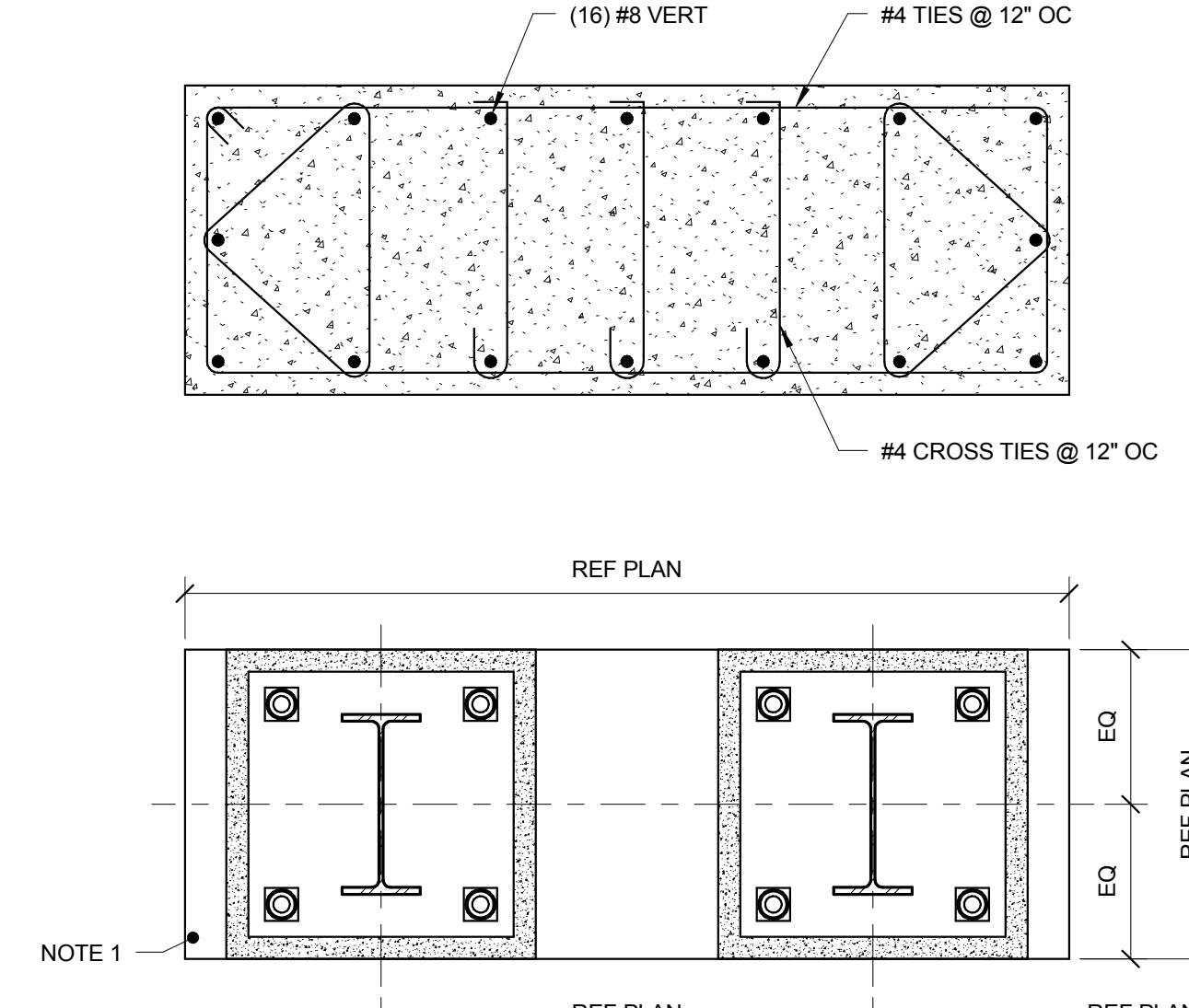
12 TYPICAL FOUNDATION DETAILS AT SITE UTILITIES
 3/4" = 1'-0"

- NOTES:
- REFERENCE MECHANICAL AND ELECTRICAL DRAWINGS FOR ALL LOCATIONS, ELEVATIONS, ETC., OF SITE UTILITIES.
 - DETAIL REQUIRED AT ALL UTILITIES HAVING A PLAN WIDTH UP TO 3'-0" FOR WIDTHS GREATER THAN 3'-0", REFERENCE PLAN FOR REQUIRED DETAIL.
 - CONDITION B DOES NOT APPLY AT SPREAD FOOTING SITUATIONS. GENERAL CONTRACTOR SHALL NOTIFY ENGINEER SHOULD SUCH A CONDITION ARISE AND AWAIT FURTHER INSTRUCTIONS.



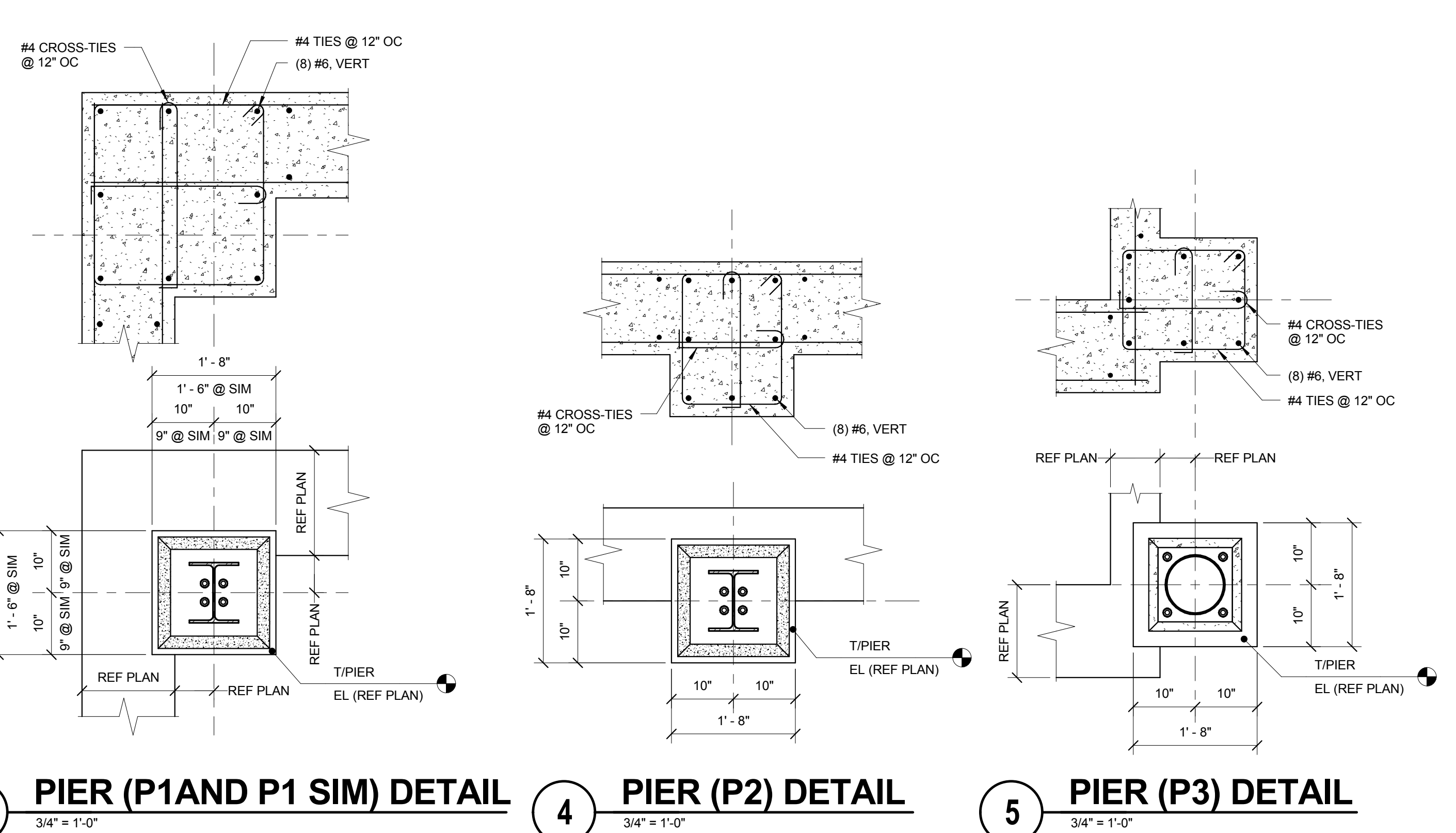
13 DEPRESSED SLAB DETAIL
 3/4" = 1'-0"

- NOTES:
- 1/2"Ø x 1'-4" SMOOTH DOWEL BARS AT 18" OC.



14 PIER (P11) DETAIL
 3/4" = 1'-0"

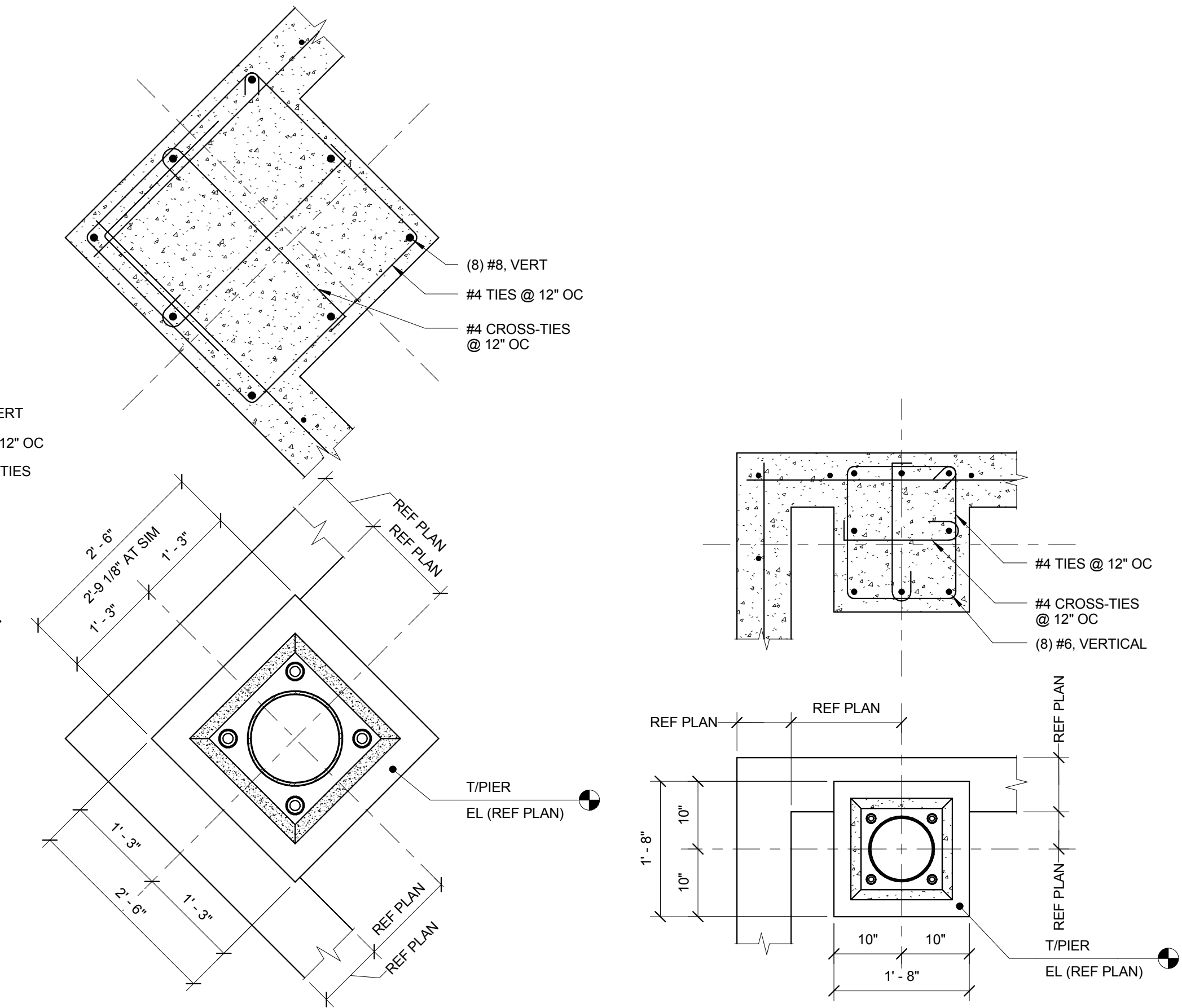
- NOTES:
- PROVIDE 3/4" CHAMFER AROUND ENTIRE EDGE OF PIER SIMILAR TO 7/S2.00.



3 PIER (P1 AND P1 SIM) DETAIL
 3/4" = 1'-0"

4 PIER (P2) DETAIL
 3/4" = 1'-0"

5 PIER (P3) DETAIL
 3/4" = 1'-0"



10 PIER (P8) DETAIL
 3/4" = 1'-0"

11 PIER (P9) DETAIL
 3/4" = 1'-0"

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REFERENCE SCALE IN INCHES
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 DKA PROJECT NO: 14-005

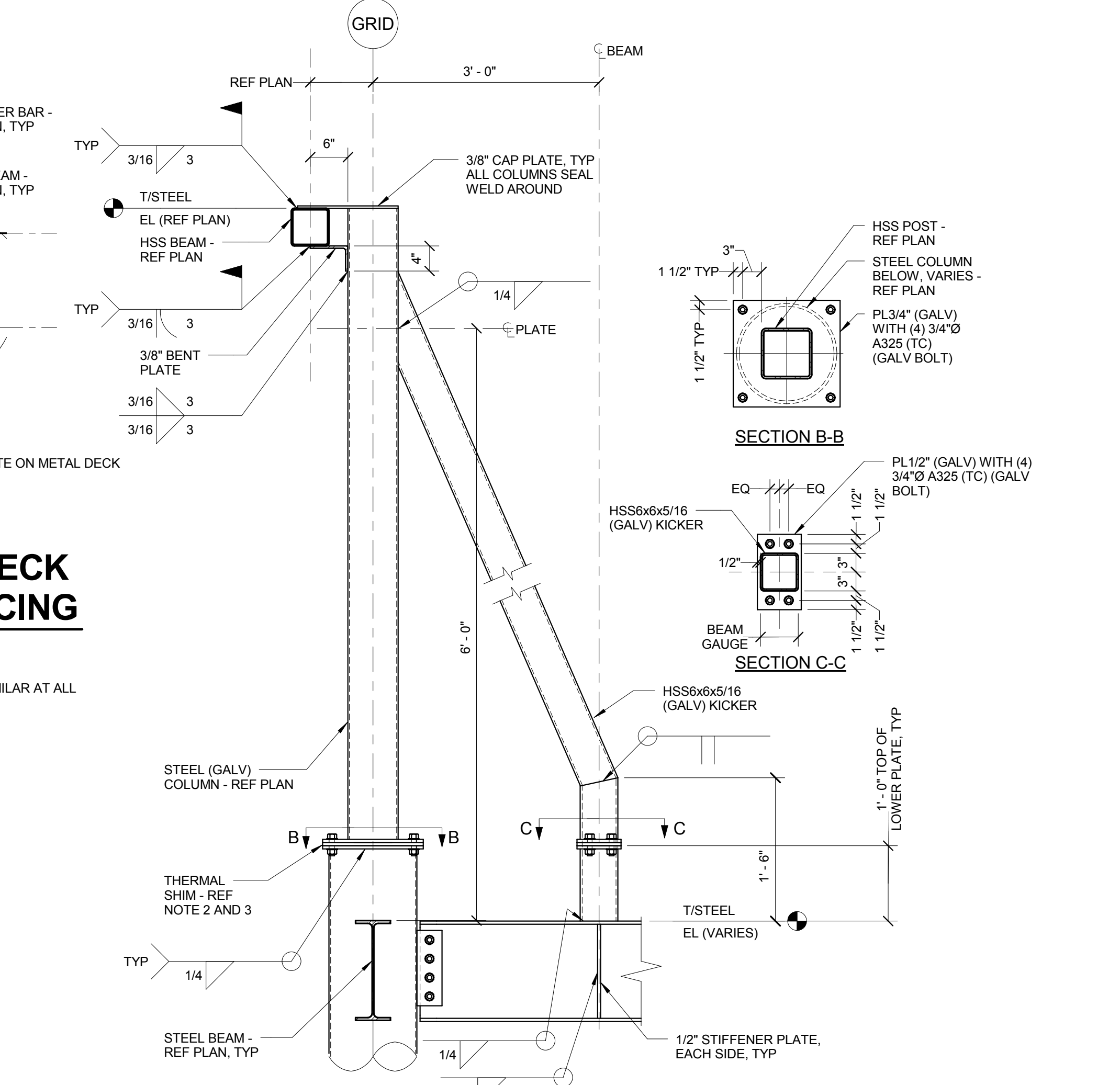
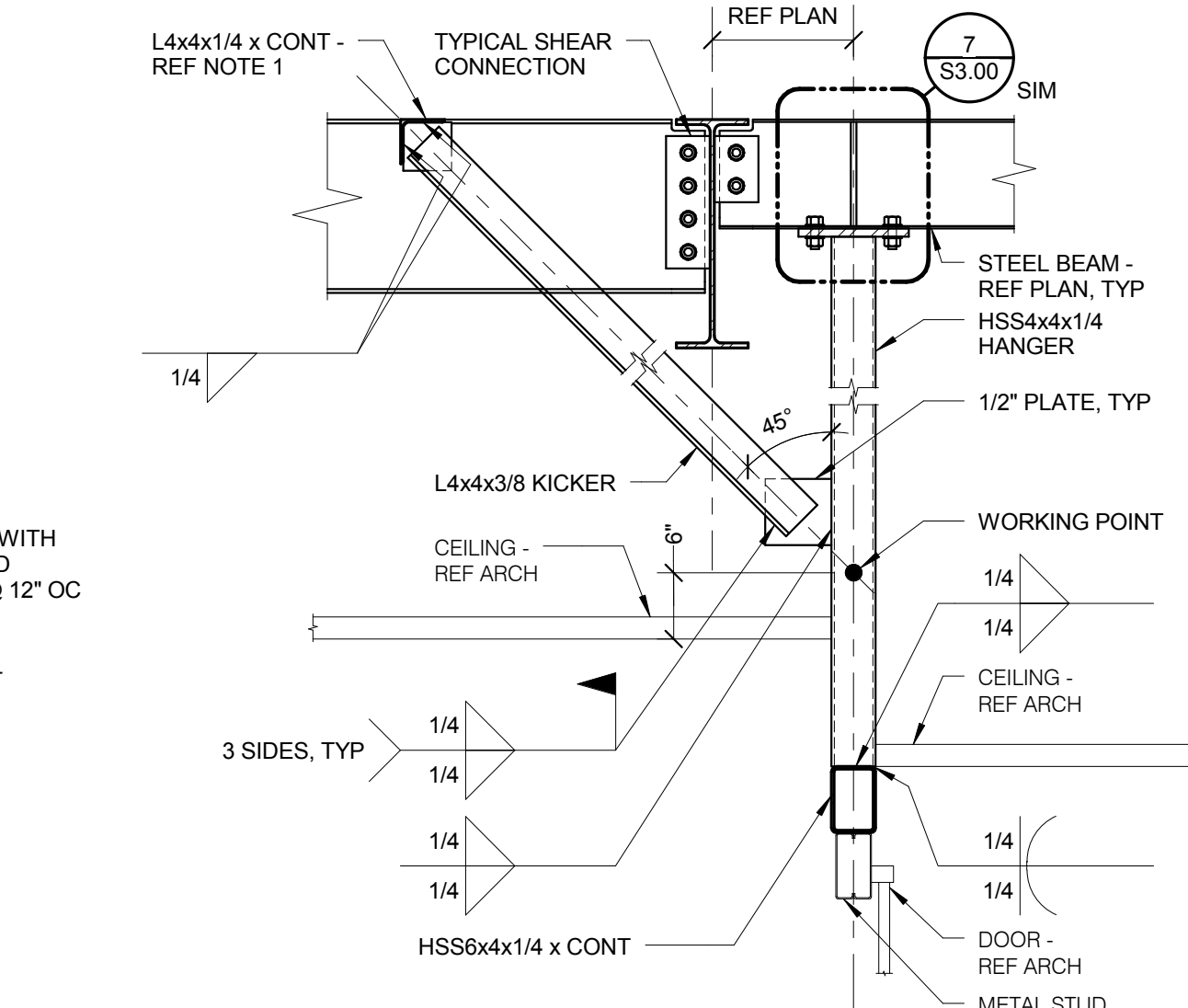
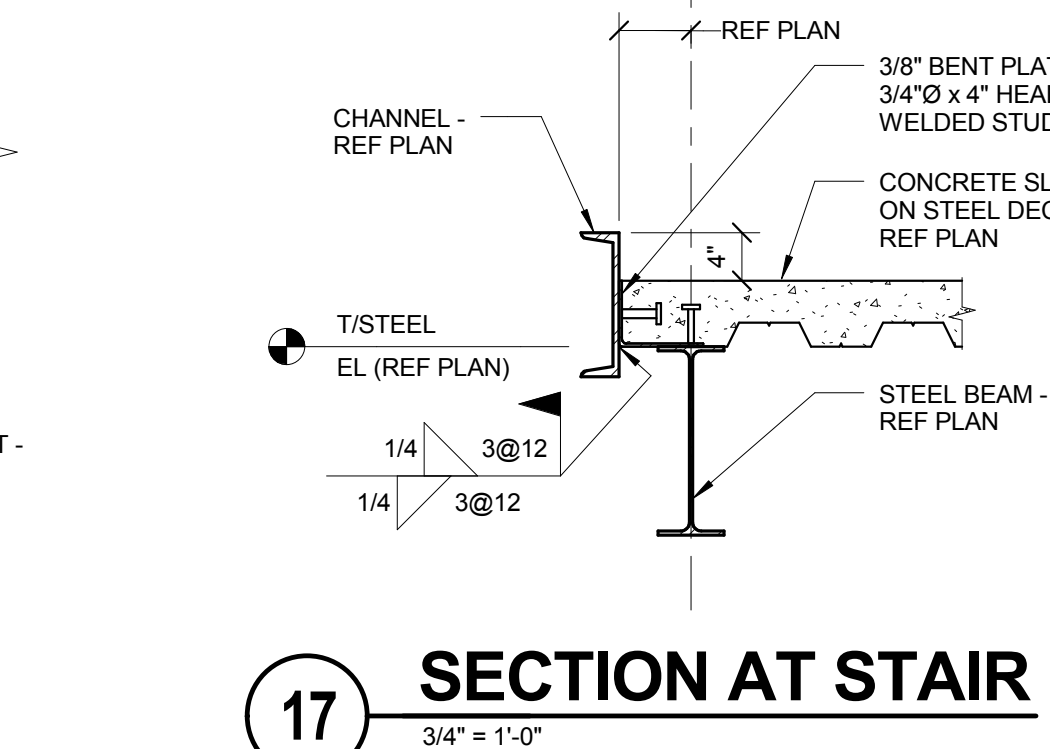
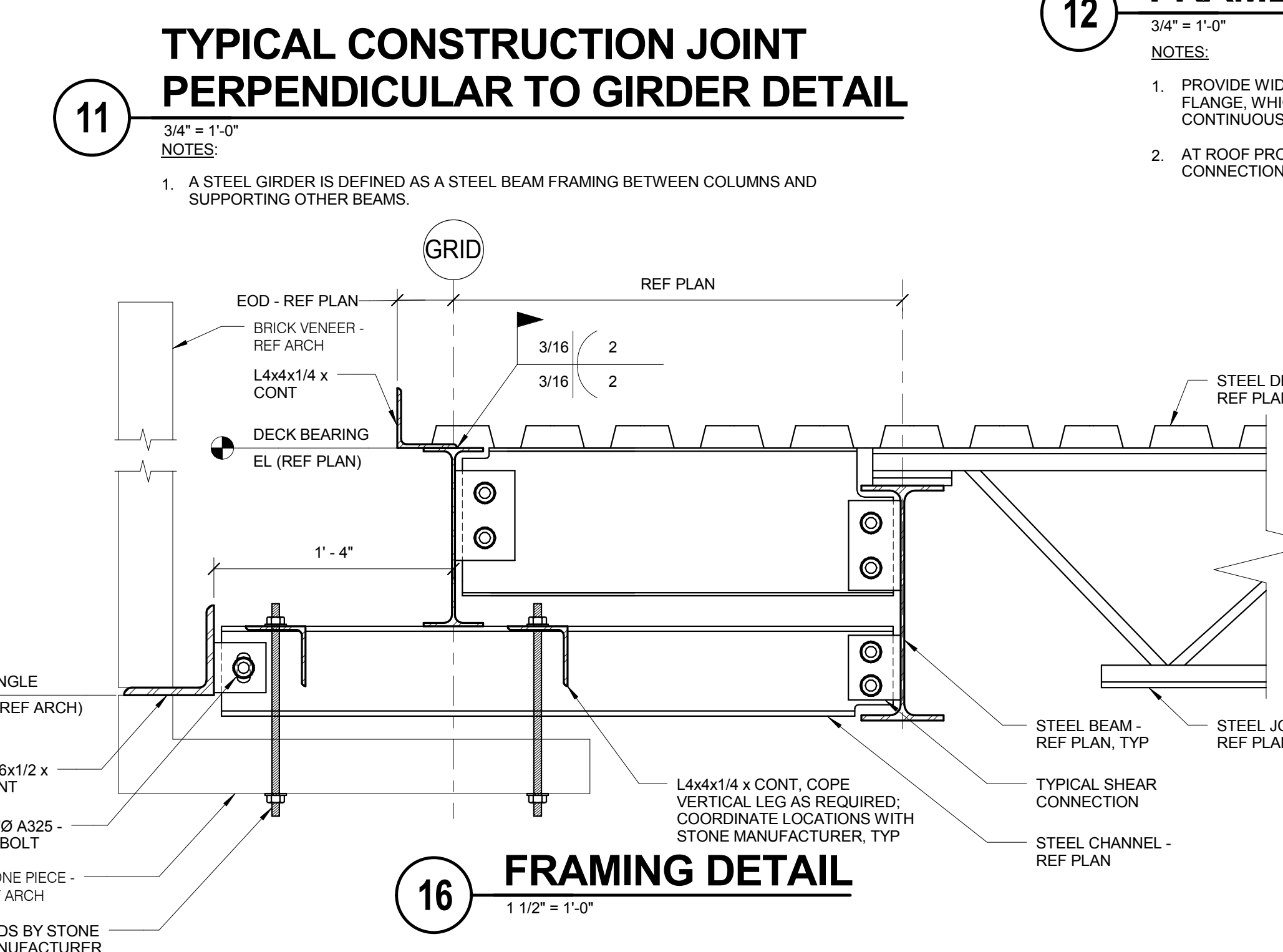
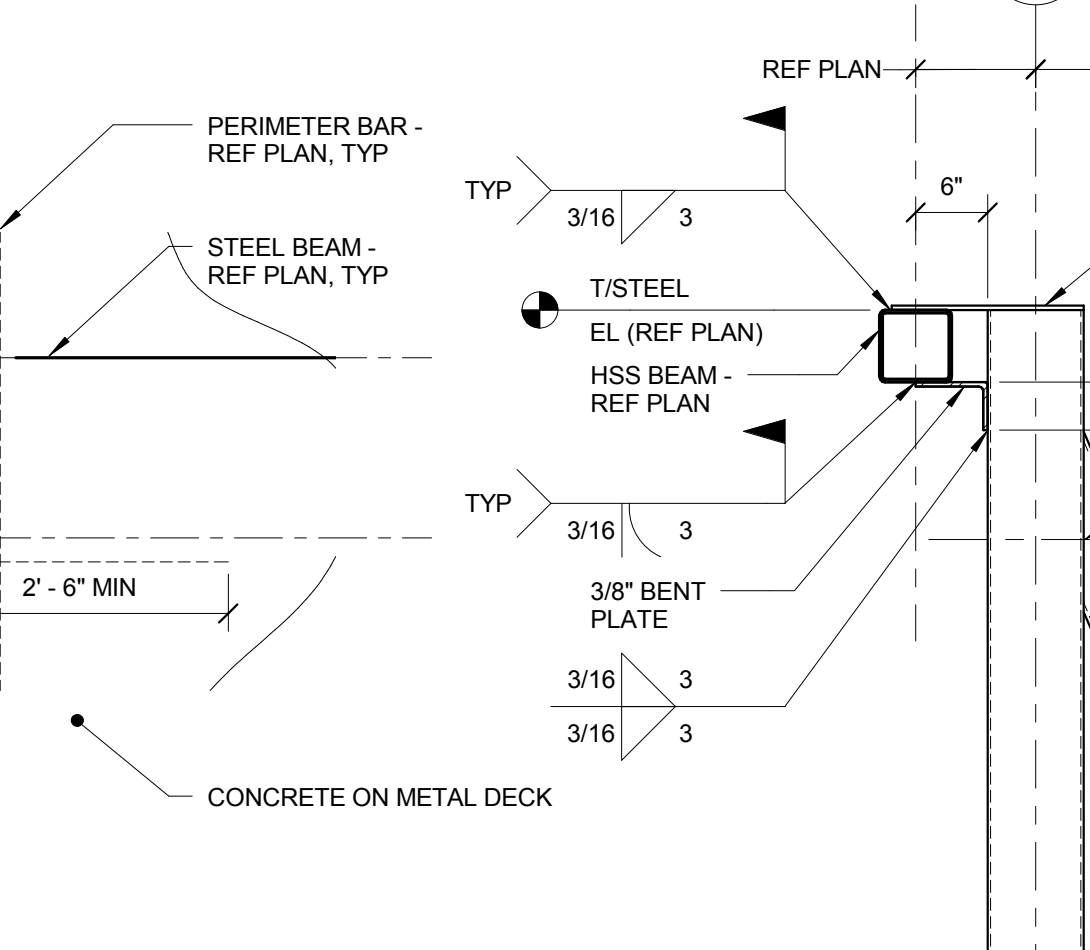
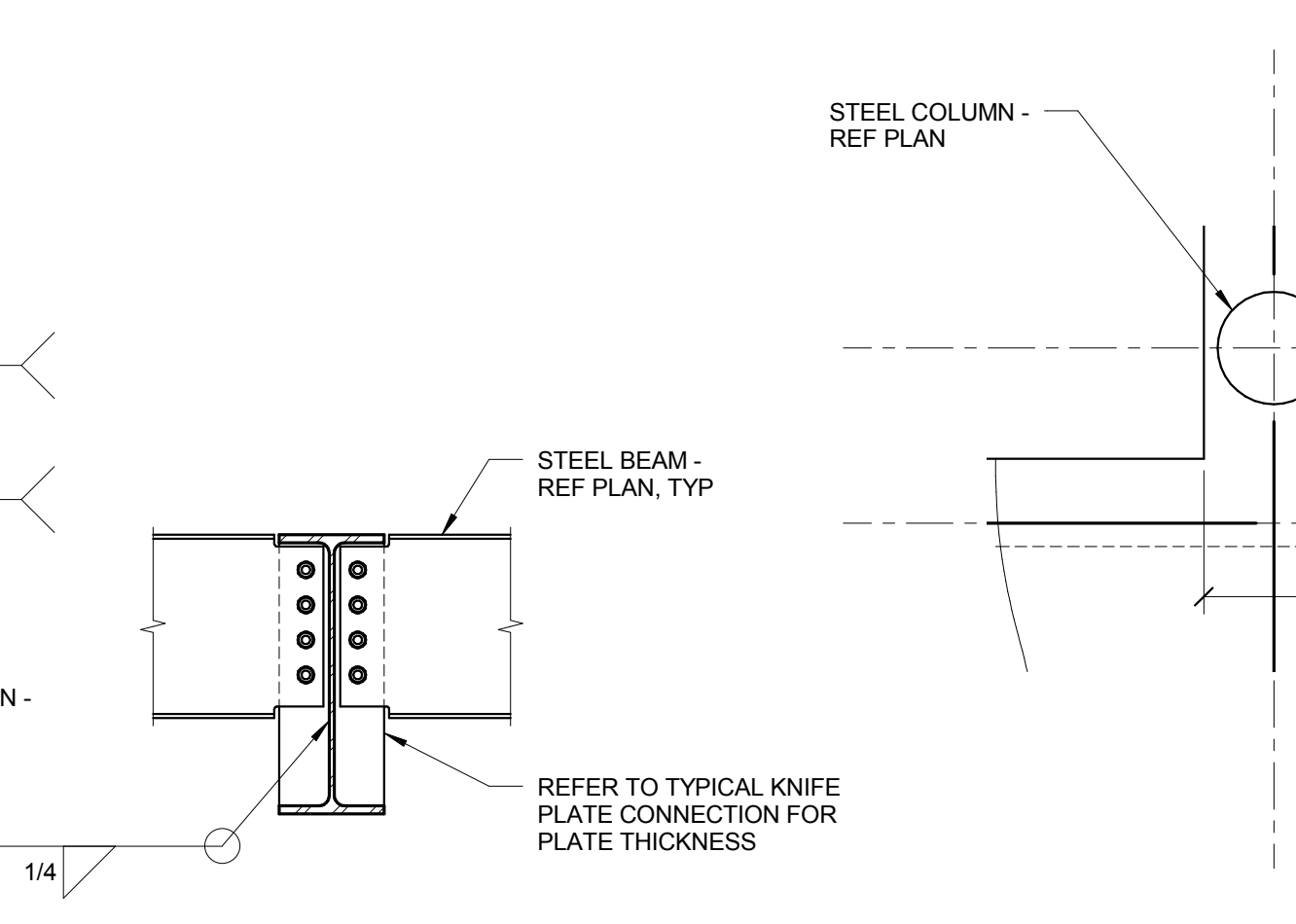
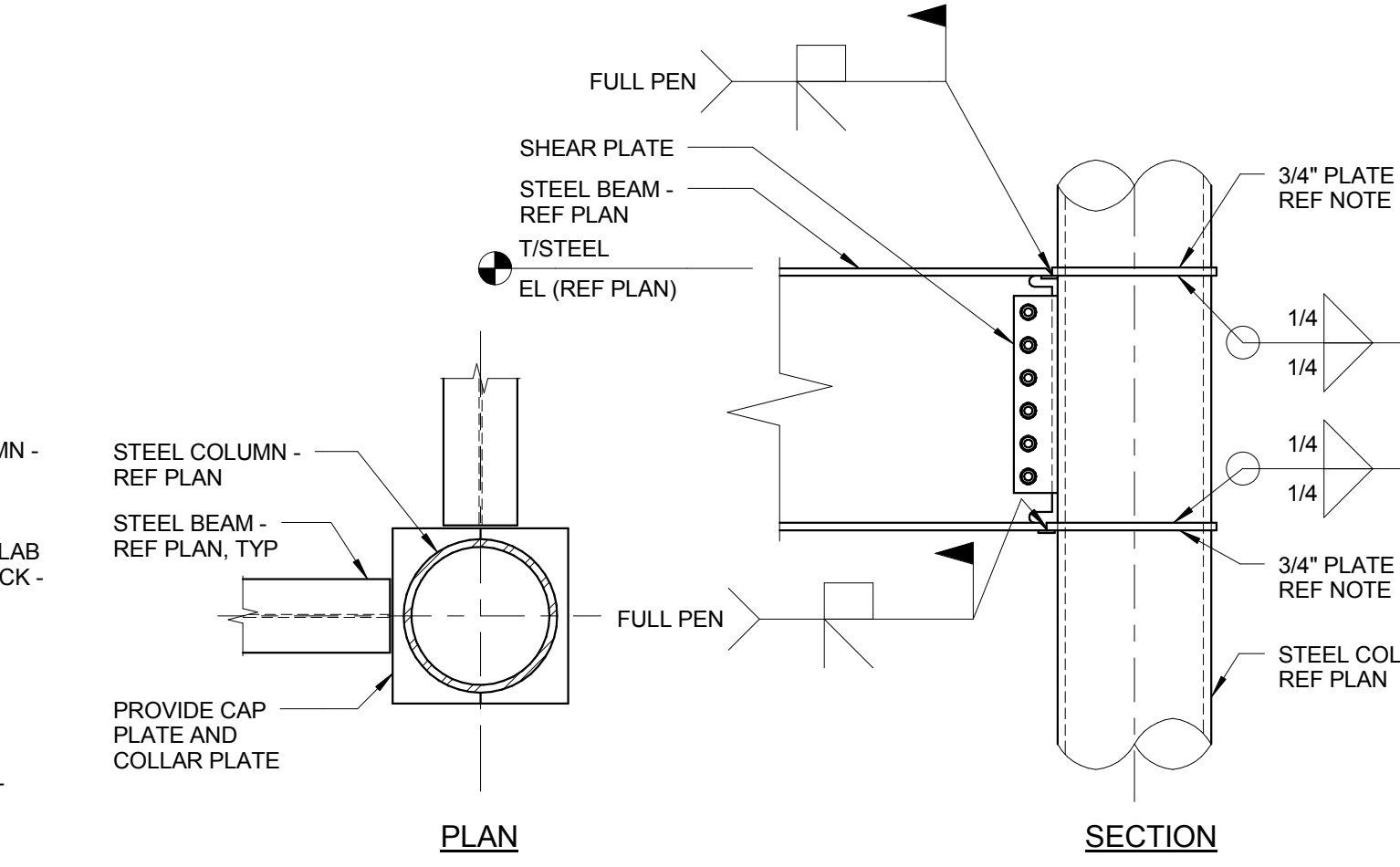
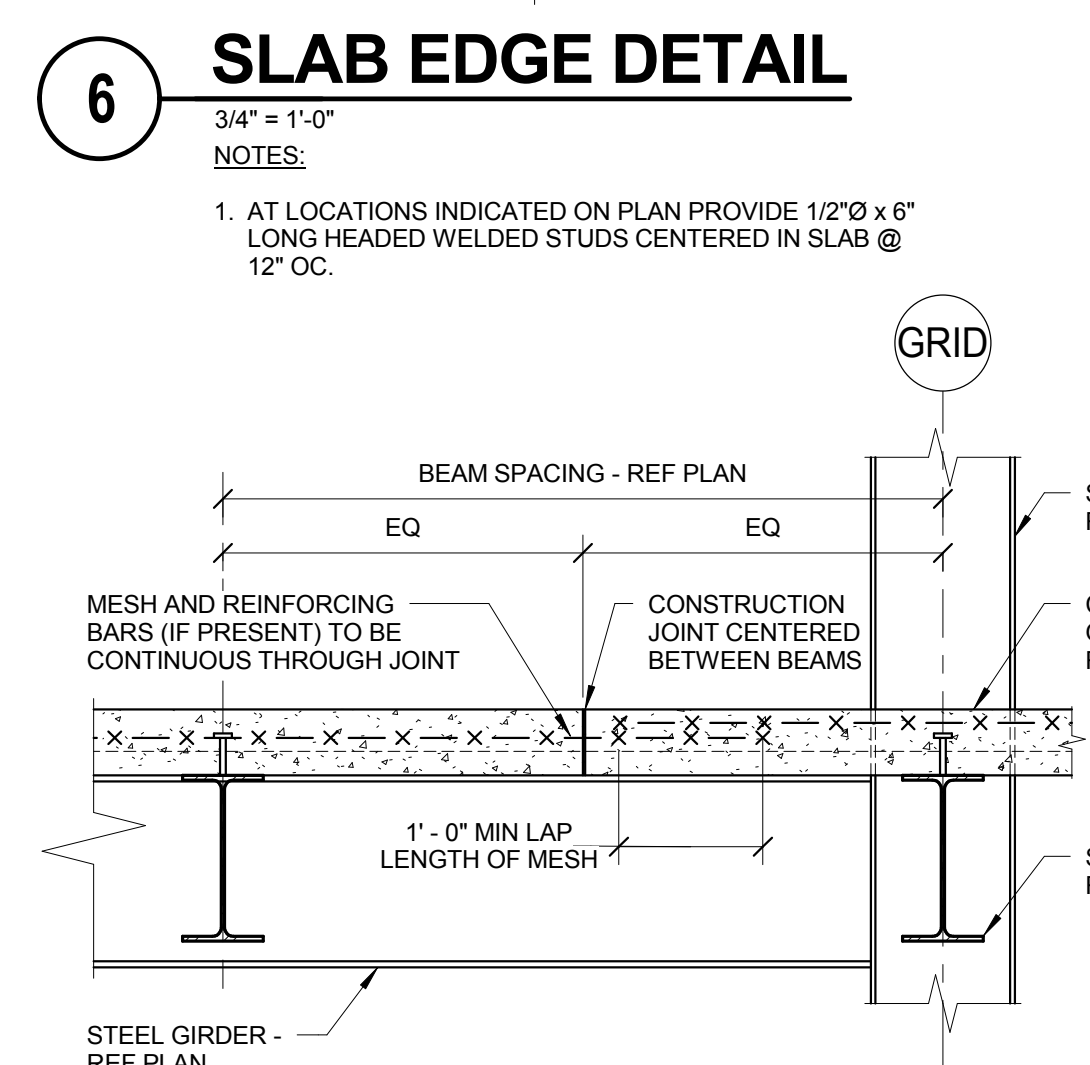
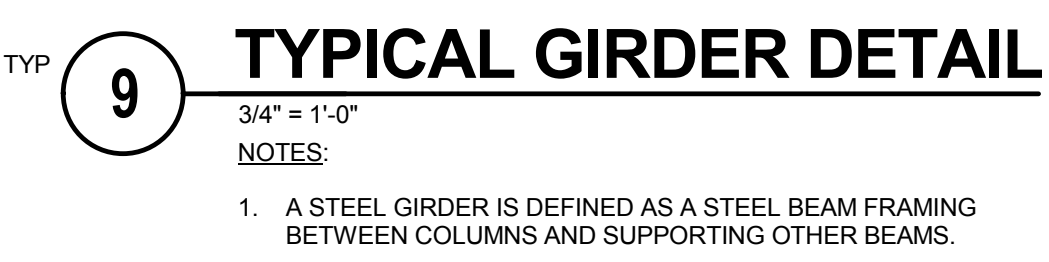
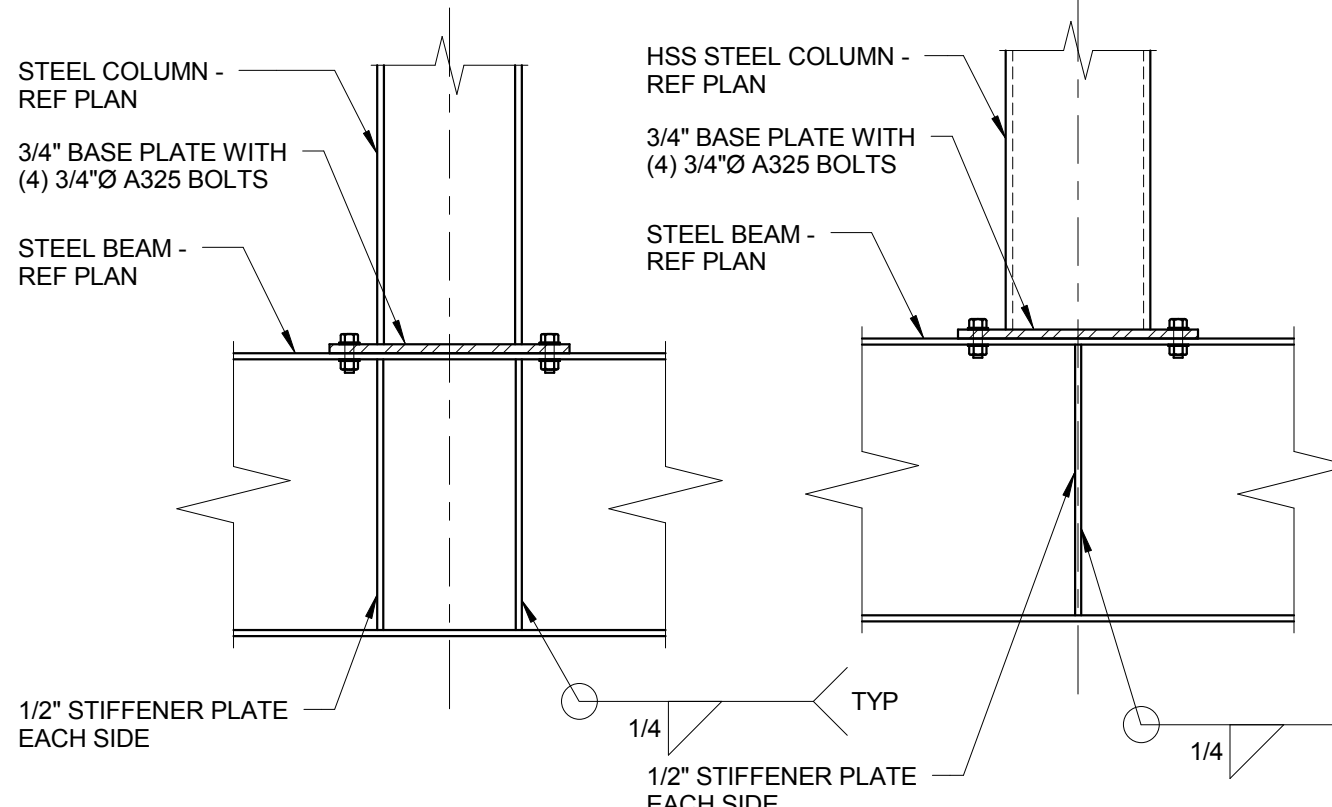
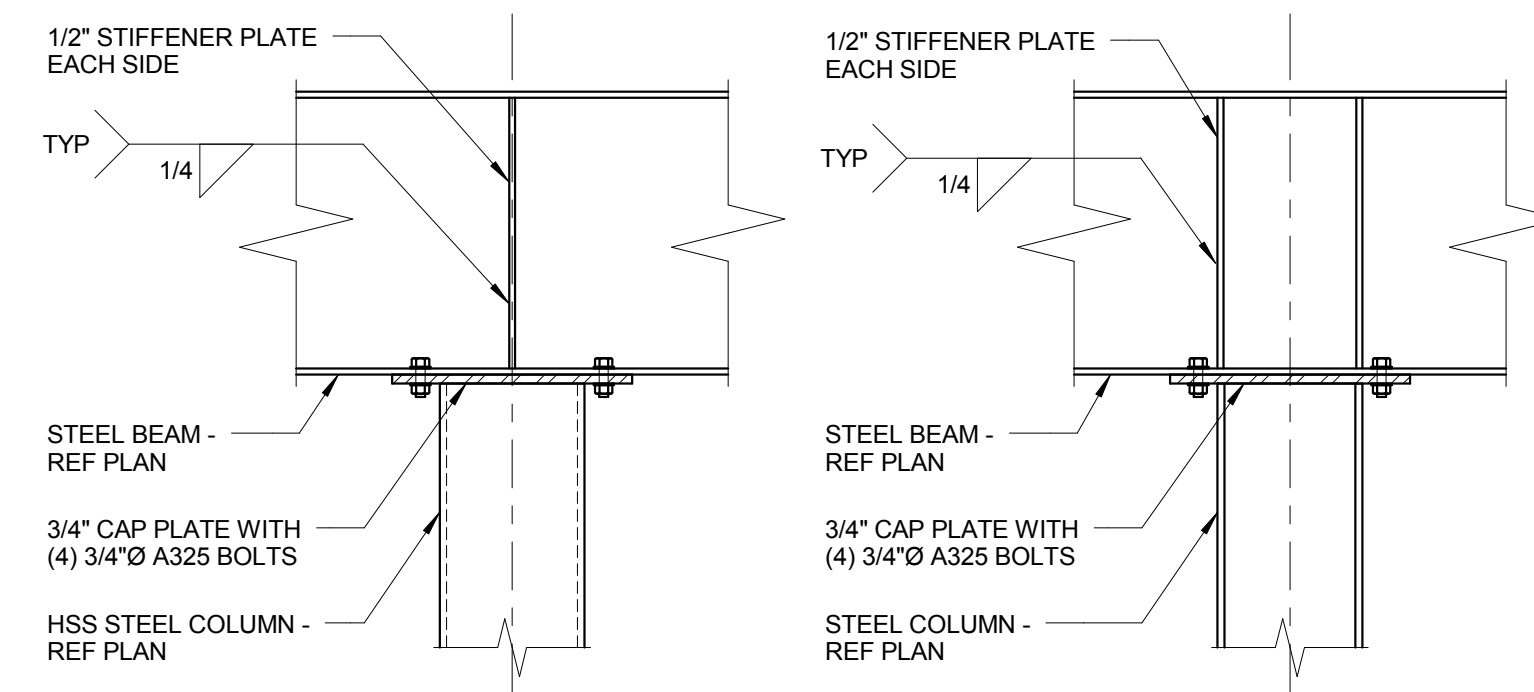
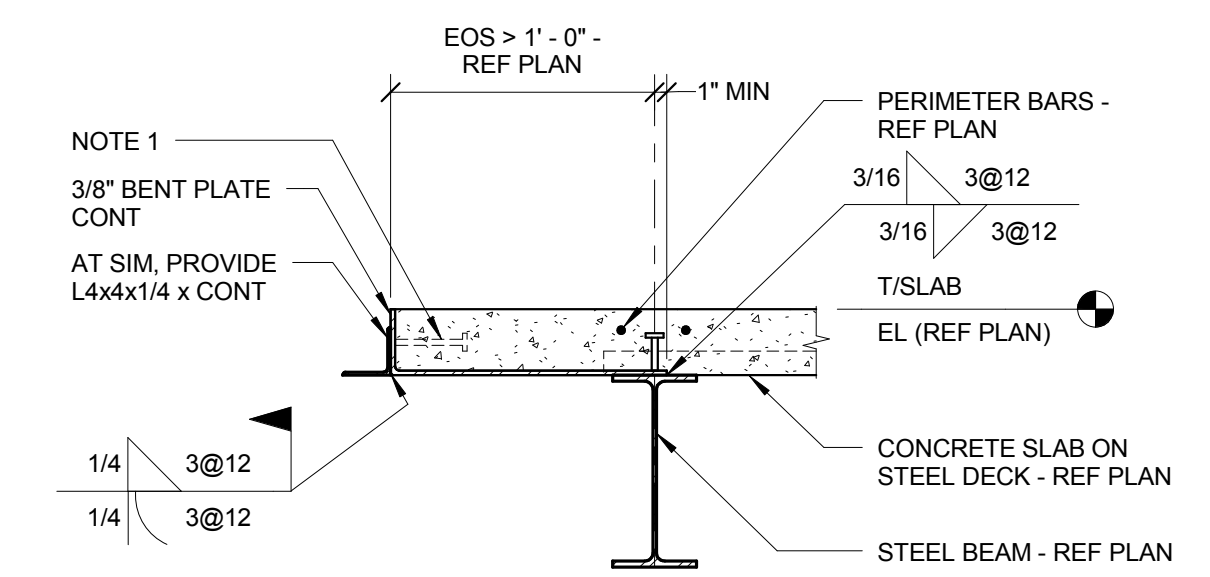
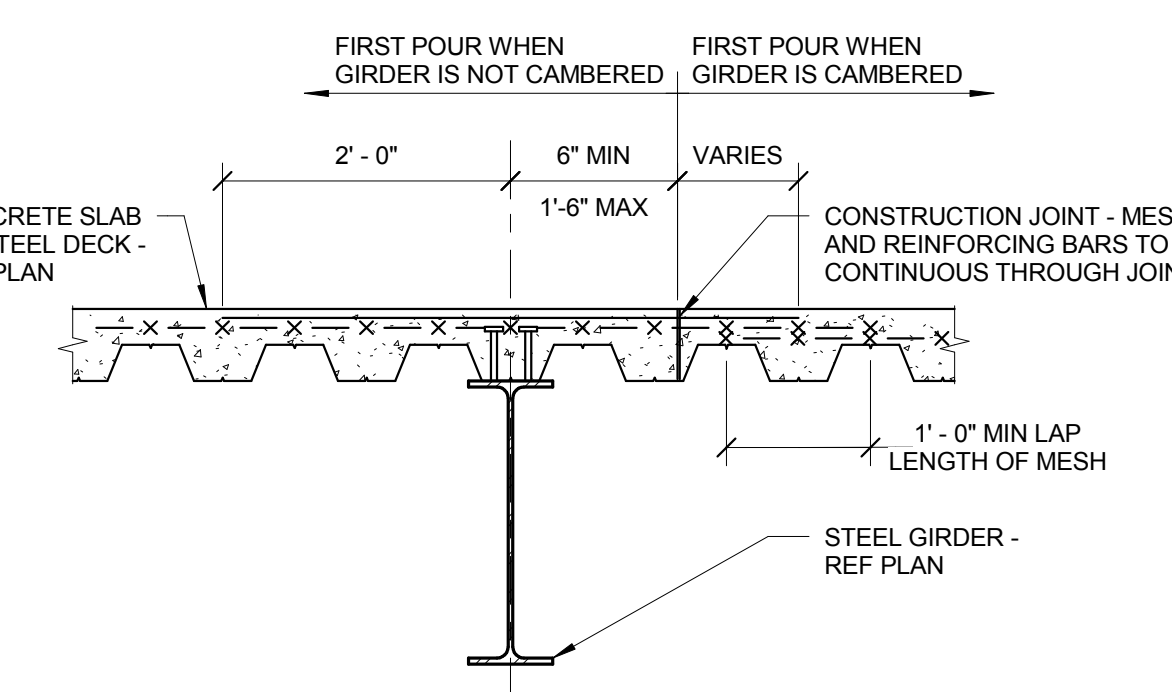
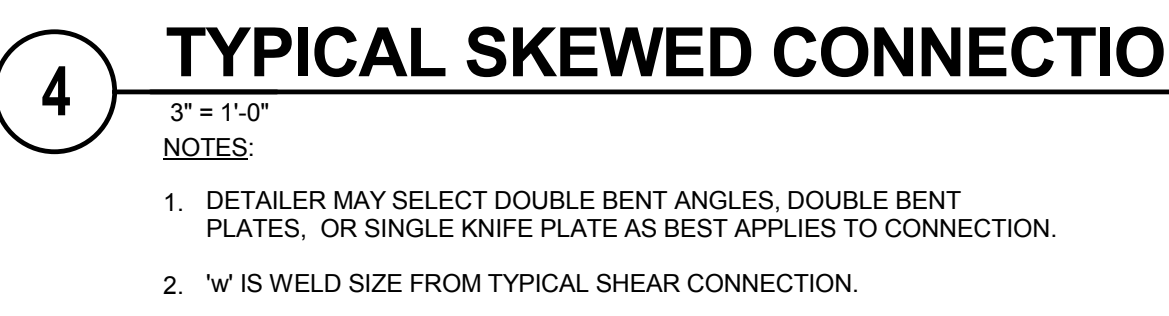
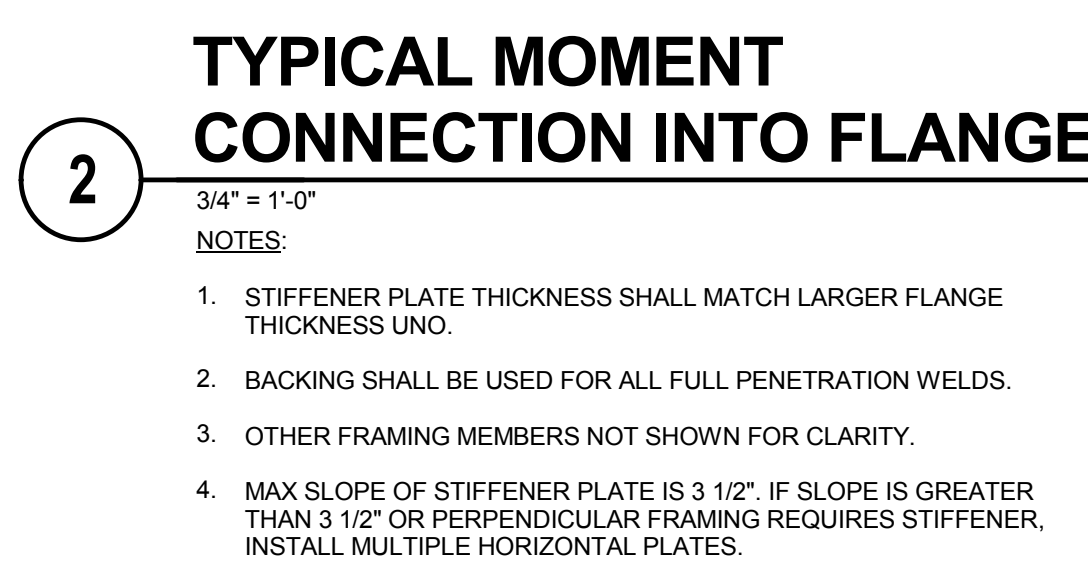
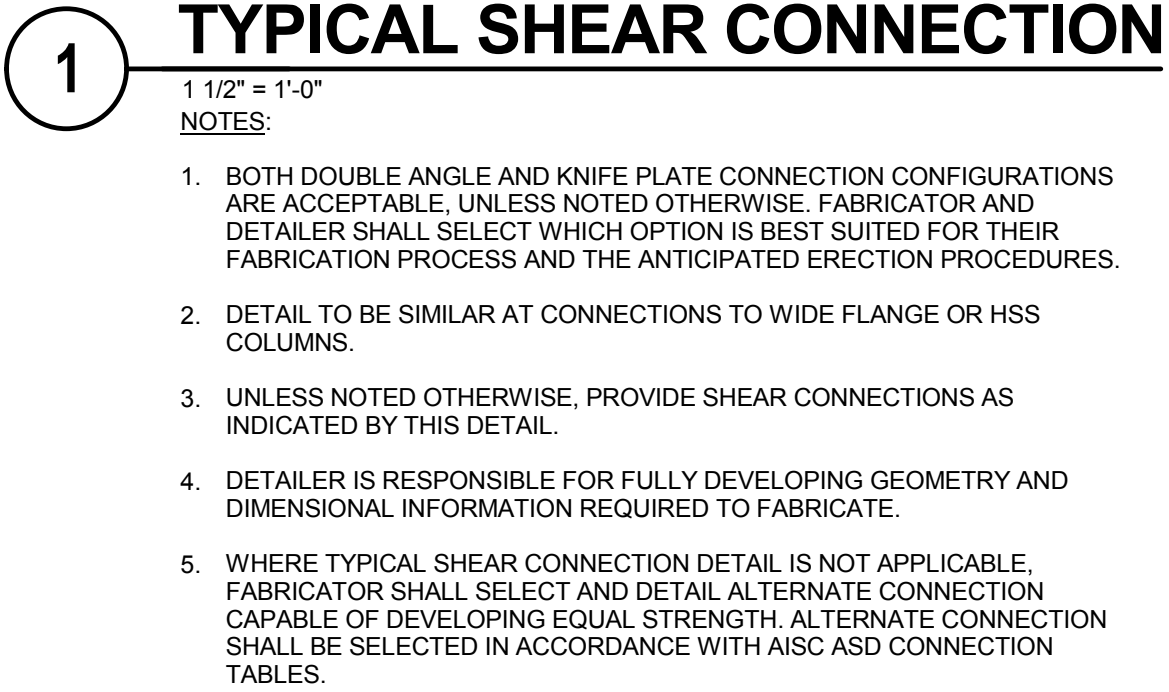
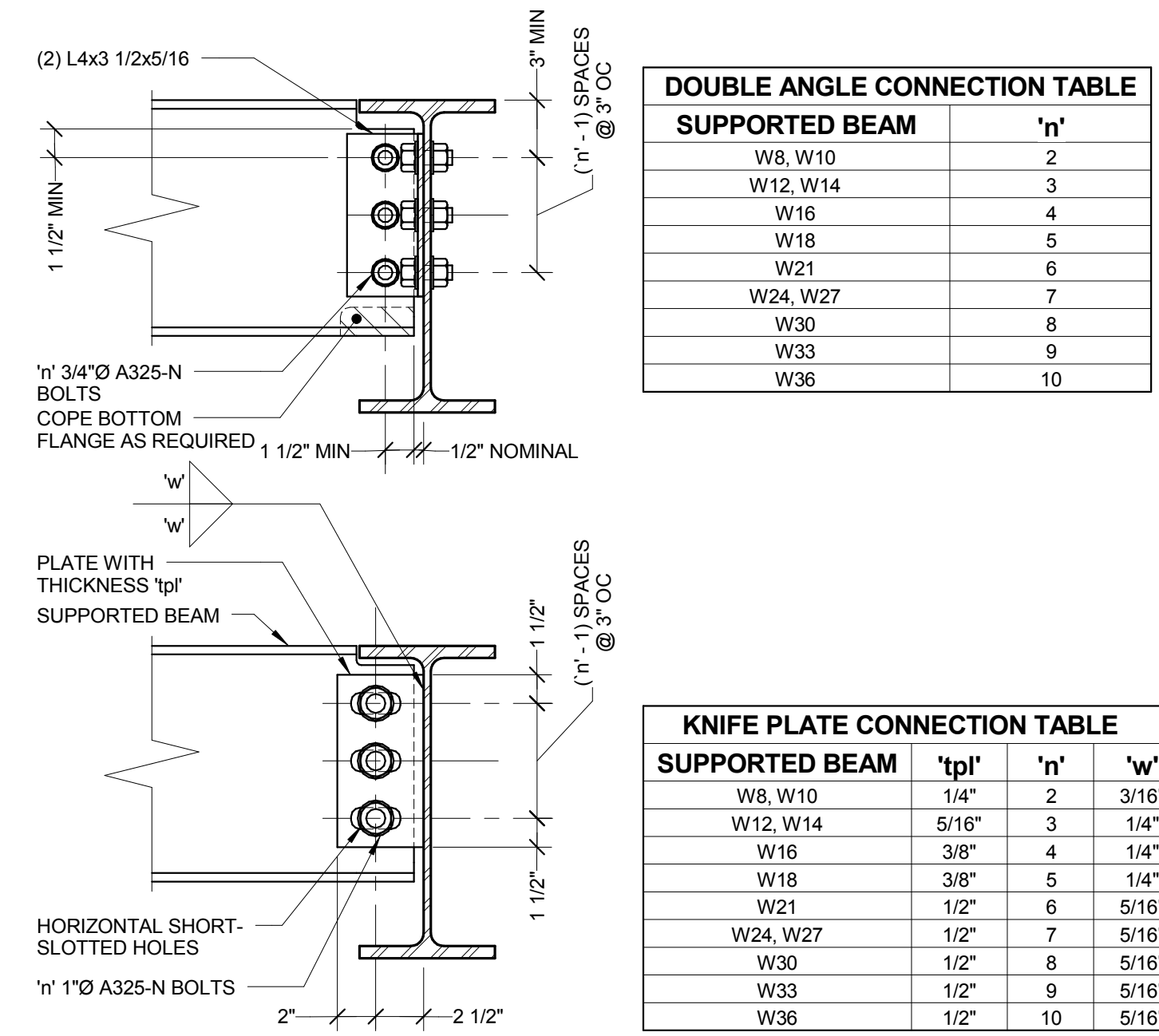
KEY PLAN:

SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION	DATE

SHEET TITLE:
STEEL DETAILS

SHEET NUMBER:
S3.00



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5 TYPICAL STEEL JOIST AT COLUMN
 3/4" = 1'-0"

- NOTES:
- GIRDER NOT SHOWN FOR CLARITY.
 - DECK NOT SHOWN FOR CLARITY.
 - CONNECTION SHOWN IS BASED ON STEEL JOIST INSTITUTE REQUIREMENTS FOR K-SERIES BAR JOISTS.

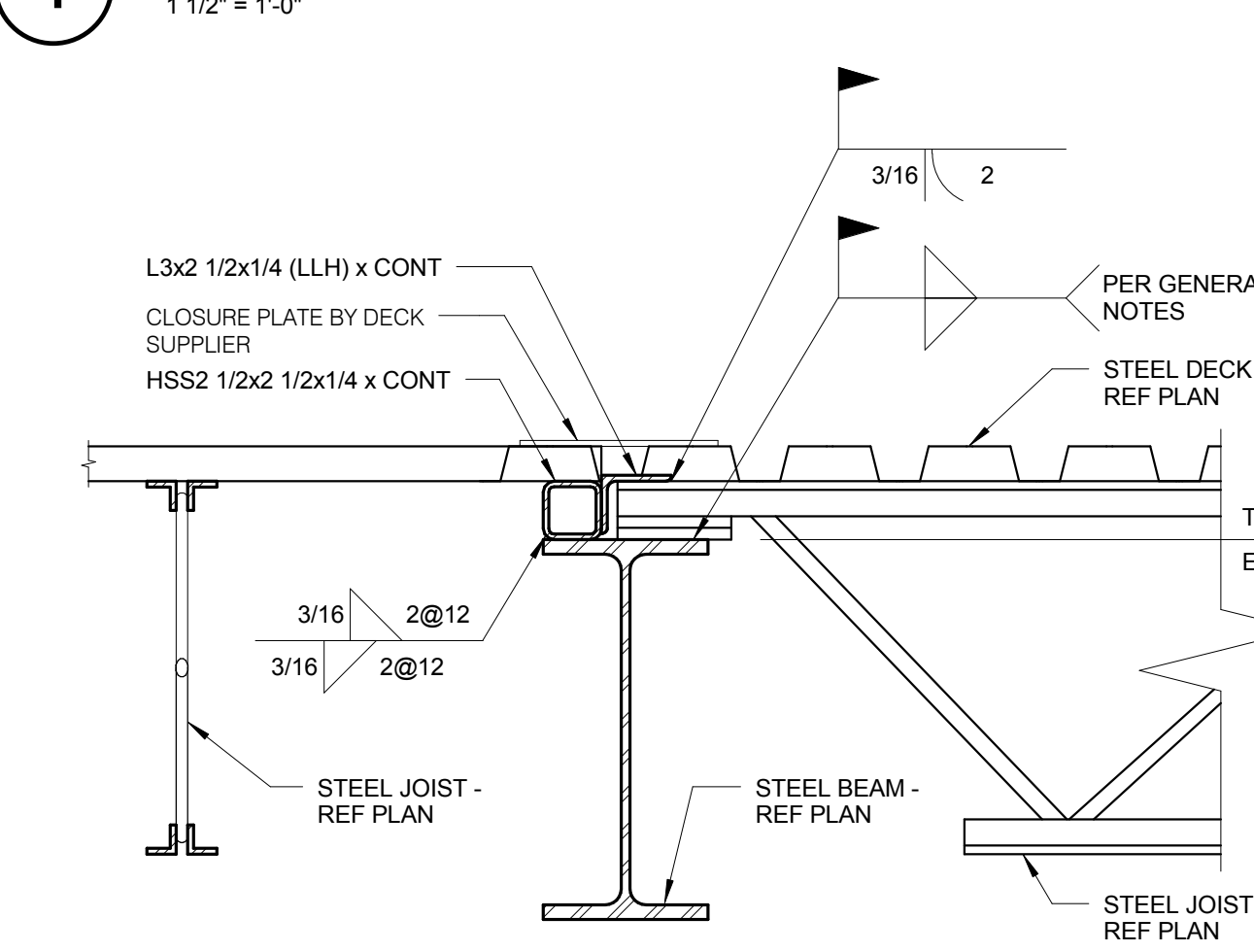
4 SECTION AT ROOF GIRDER
 1 1/2" = 1'-0"

3 TYPICAL JOIST BEARING DETAIL
 1 1/2" = 1'-0"

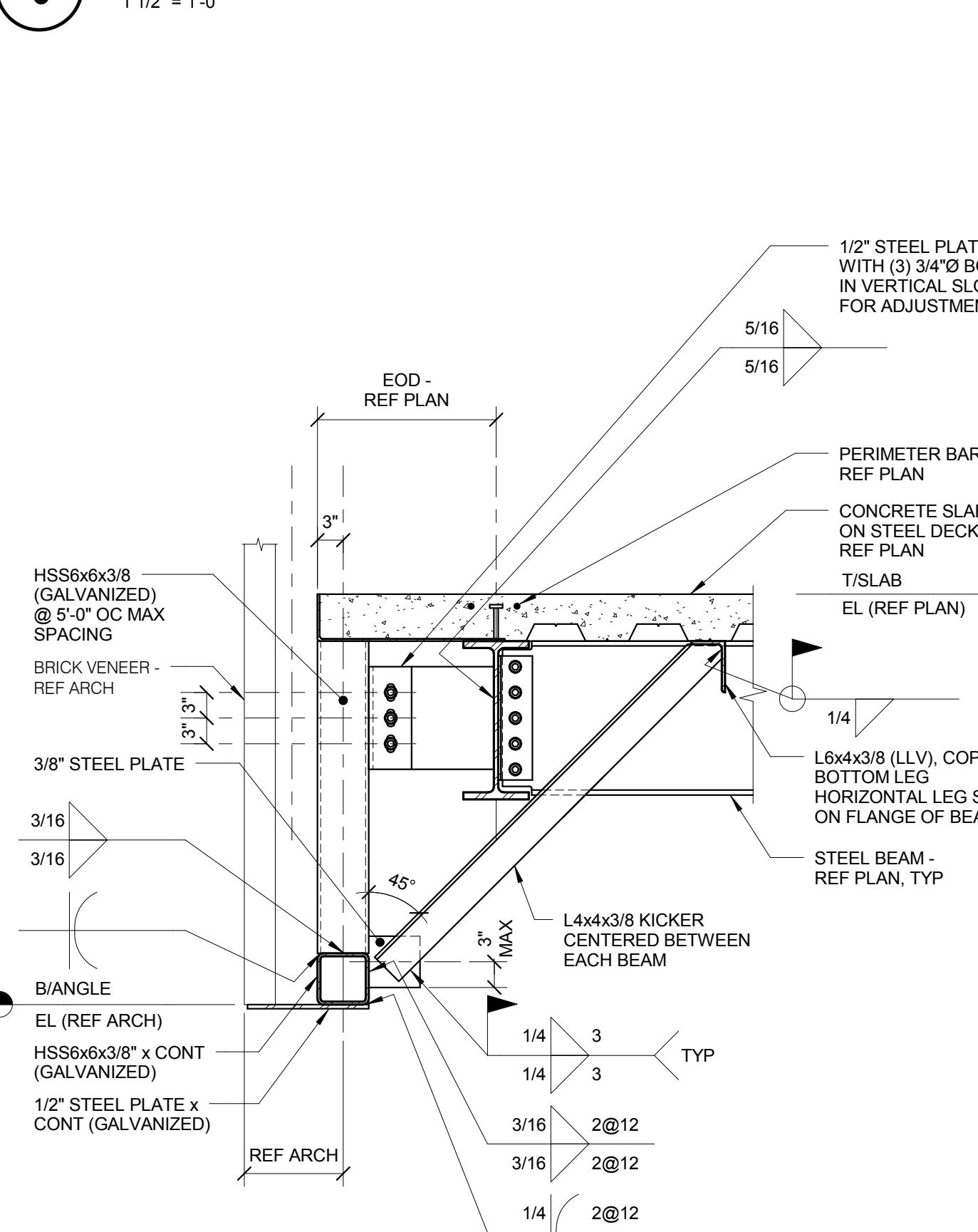
- NOTES:
- JOISTS AT OR IMMEDIATELY ADJACENT TO COLUMNS SHALL BE BOLTED WITH (2) BOLTS ON BEAM GAGE. REFER TO GENERAL NOTES FOR BOLT DIAMETER.

2 TYPICAL ROOF EDGE DETAIL
 1 1/2" = 1'-0"

1 TYPICAL CLOSURE PLATE DETAIL
 1 1/2" = 1'-0"

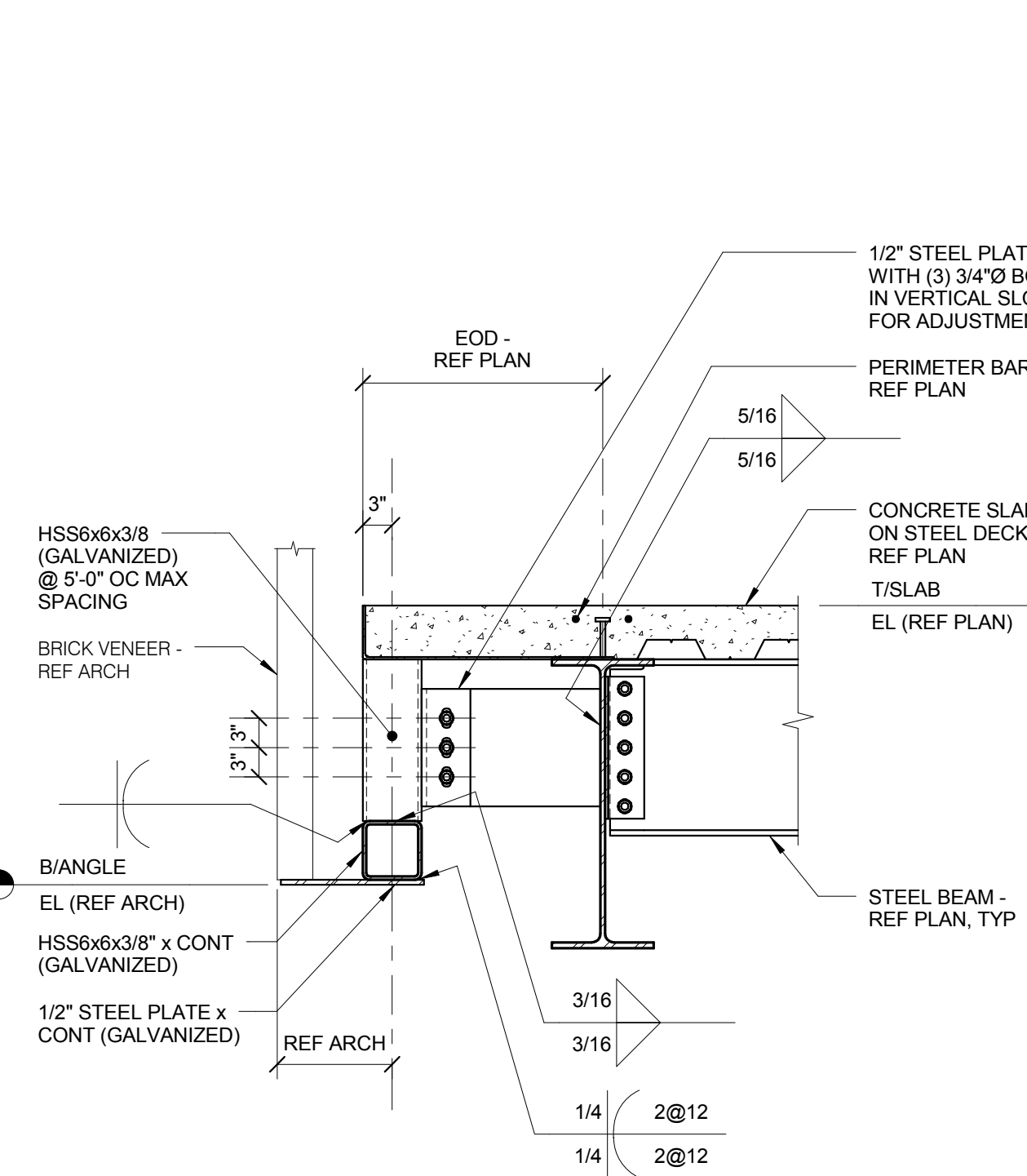


6 TYPICAL DECK DIRECTION CHANGE
 1 1/2" = 1'-0"



7 DECK OPENING FRAMING DETAIL
 3/4" = 1'-0"

- NOTES:
- USE ABOVE FRAMING AT ALL OPENINGS EXCEEDING 1'-0" UNO.
 - REFERENCE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF ALL OPENINGS.
 - ROOF OPENING FRAMING NOT REQUIRED AT SIDE DISCHARGE ROOF DRAINS. COORDINATE WITH MECHANICAL CONTRACTOR.

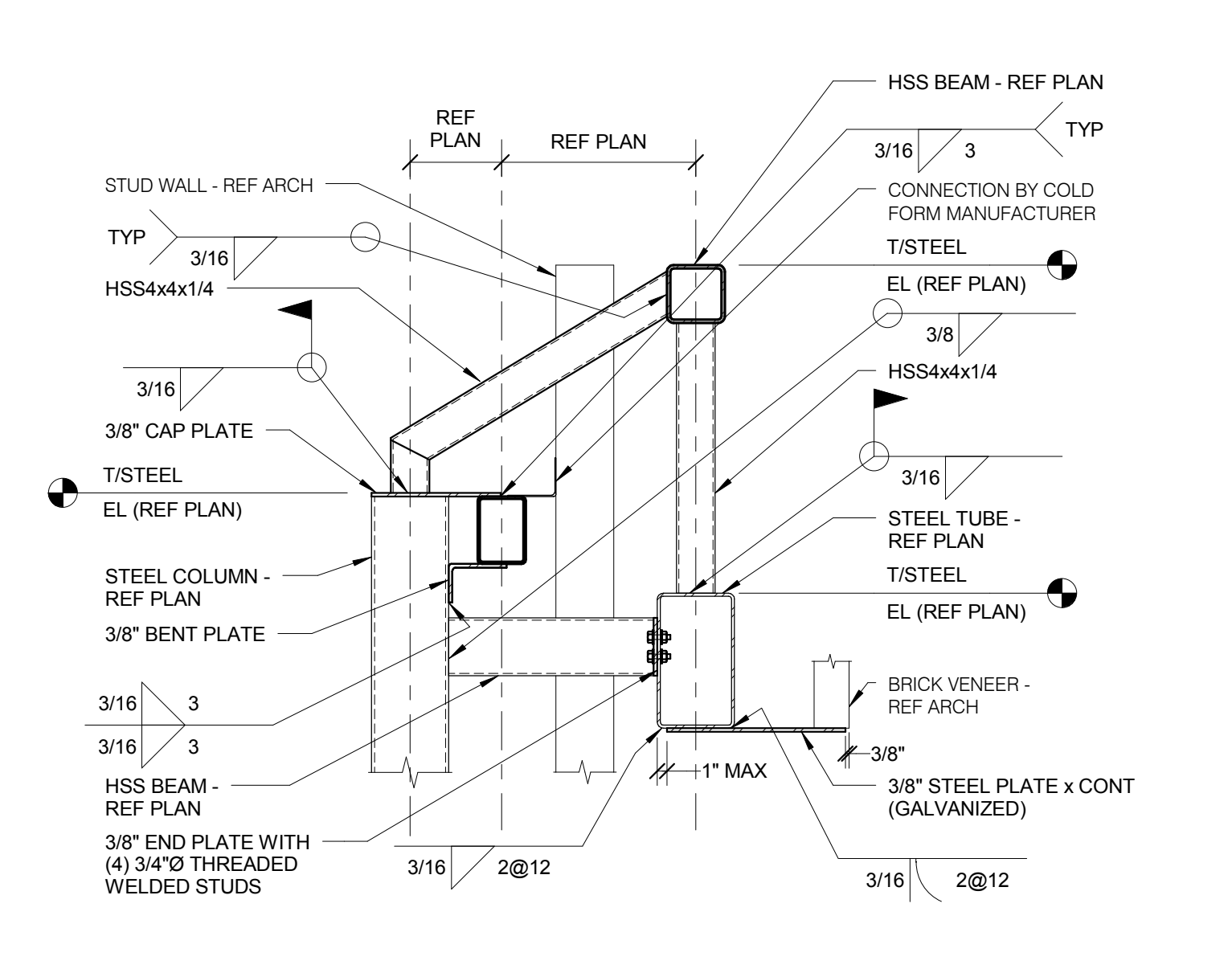


11 SUSPENDED LINTEL DETAIL
 3/4" = 1'-0"

- NOTES:
- REFER TO 6/S3-00 FOR INFO NOT SHOWN.

8 JOIST MODIFICATION DETAIL
 1 1/2" = 1'-0"

- NOTES:
- FOR ATTACHMENTS TO JOISTS THAT ARE CONCENTRICALLY LOADED ON THE JOIST, A MAXIMUM OF 100 POUNDS MAY BE ATTACHED TO THE JOIST WITHIN A CHORD PANEL WITHOUT AN ADDITIONAL ANGLE. FOR ATTACHMENTS TO JOIST THAT ARE ECCENTRICALLY LOADED, A MAXIMUM OF 25 POUNDS MAY BE ATTACHED TO THE JOIST WITHIN A CHORD PANEL WITHOUT AN ADDITIONAL ANGLE. MULTIPLE ATTACHMENTS ARE ALLOWED IN EACH CHORD PANEL AS LONG AS THE SUM OF THE LOADS DO NOT EXCEED THE MAXIMUM LOAD INDICATED.
 - FOR LOADS BETWEEN 100 POUNDS AND 200 POUNDS, ADDITIONAL ANGLES ARE REQUIRED AND JOIST MUST BE CONCENTRICALLY LOADED.
 - FOR LOADING CONDITIONS IN NOTES 1 AND 2 ABOVE, TOTAL SUM OF LOADS SHALL NOT EXCEED 200 LBS FOR AN 8 FOOT SEGMENT OF JOIST. FOR LOADS GREATER THAN 200 POUNDS AND NOT NOTED ON THE DRAWINGS, CONTACT ENGINEER PRIOR TO INSTALLATION.
 - NO LOADS SHALL BE SUPPORTED FROM JOIST BRIDGING.

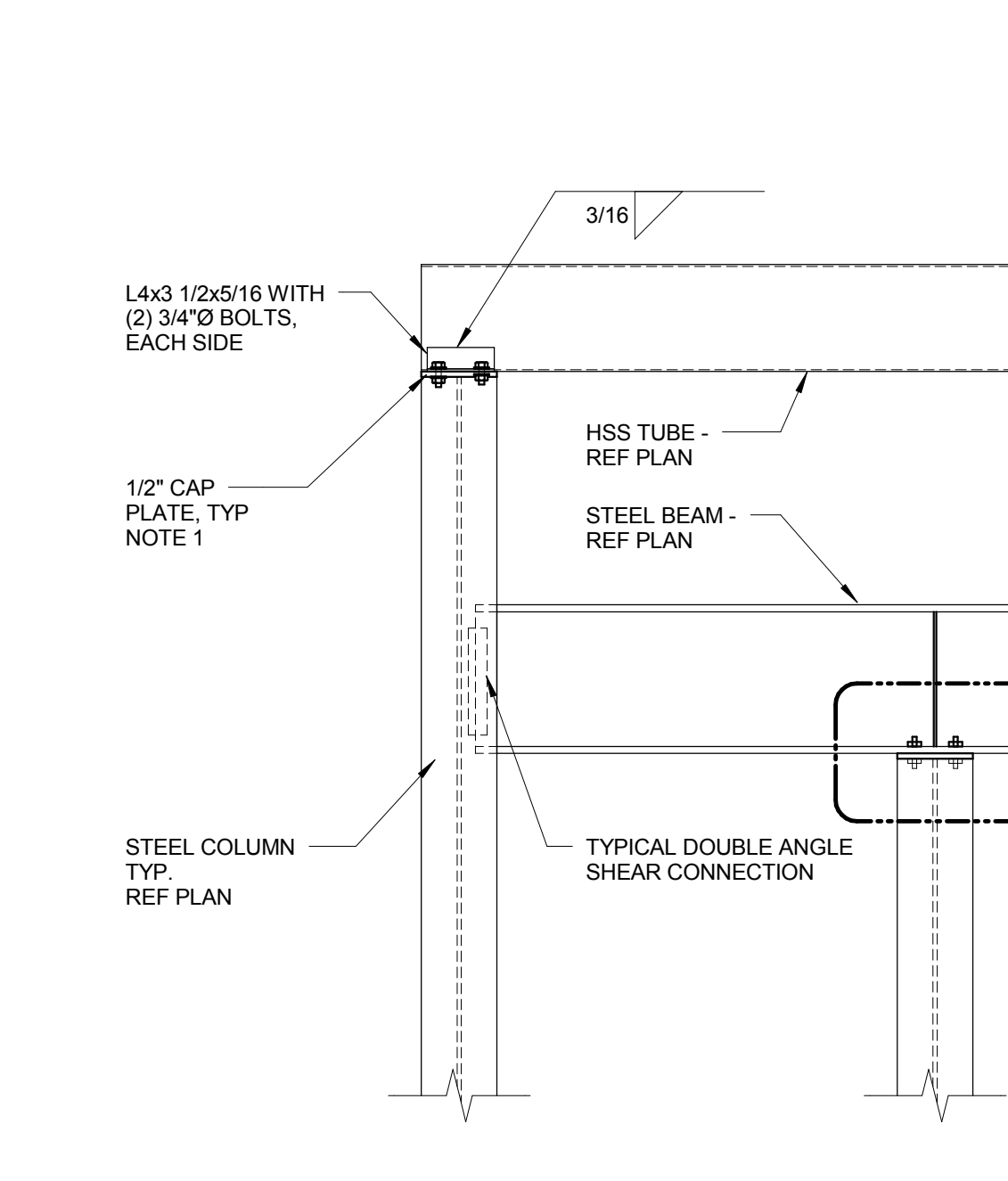


12 HSS SCREEN WALL SUPPORT AT COLUMN
 3/4" = 1'-0"

- NOTES:
- AT SIM BEAM RUNS CONTINUOUS PAST HSS CANTILEVER. PROVIDE TYPICAL DOUBLE ANGLE CONNECTION OFF OF HSS CANTILEVER TO PICK UP BEAM.

9 ROOF OVERHANG SUPPORT
 3/4" = 1'-0"

- NOTES:
- PROVIDE WELD AT EVERY OTHER HSS.
 - COORDINATE TUBE LOCATIONS WITH FLUTES OF STEEL DECK.



13 HSS SCREEN WALL SUPPORT AT COLUMN
 3/4" = 1'-0"

- NOTES:
- CAP PLATE TO EXTEND OUT PAST COLUMN FLANGE AS NEEDED TO PICK UP TUBE AND BEAM.





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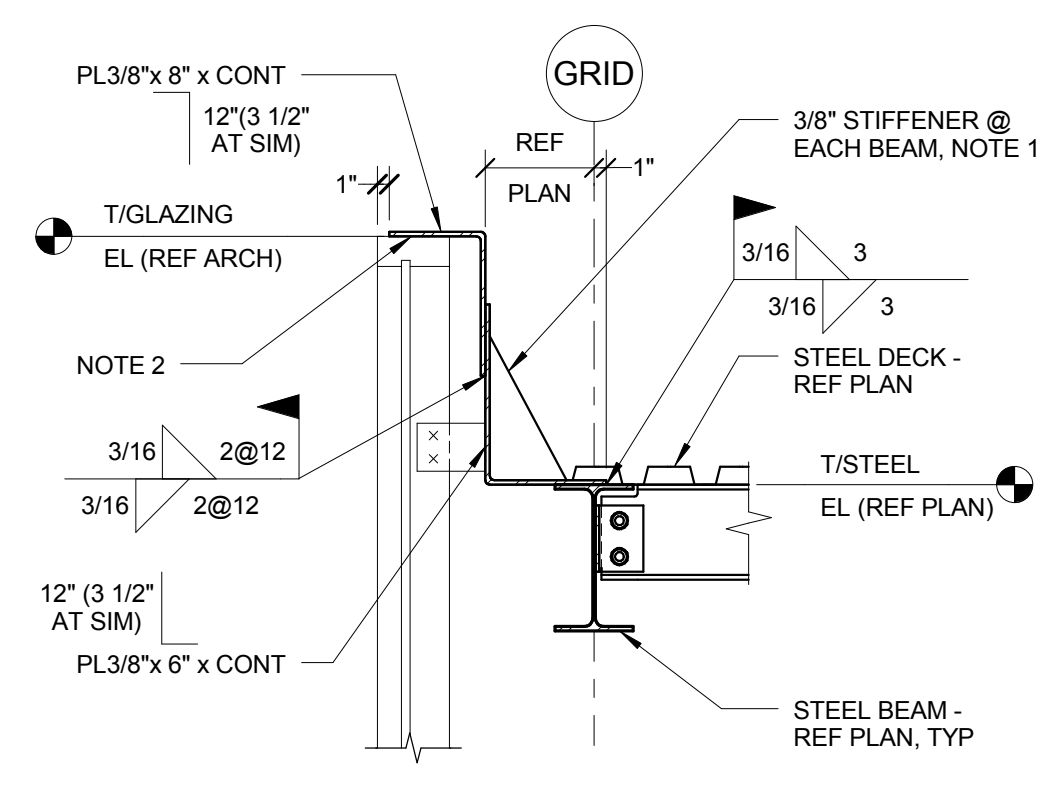
KEY PLAN:

SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

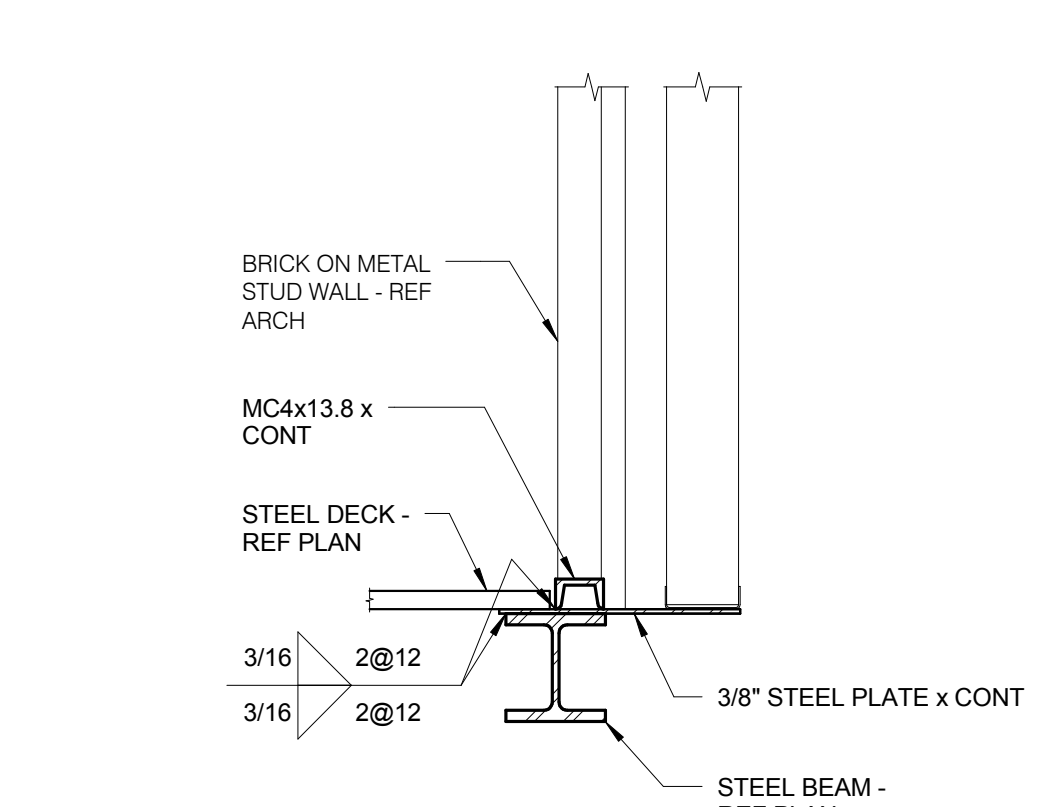
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
STEEL DETAILS

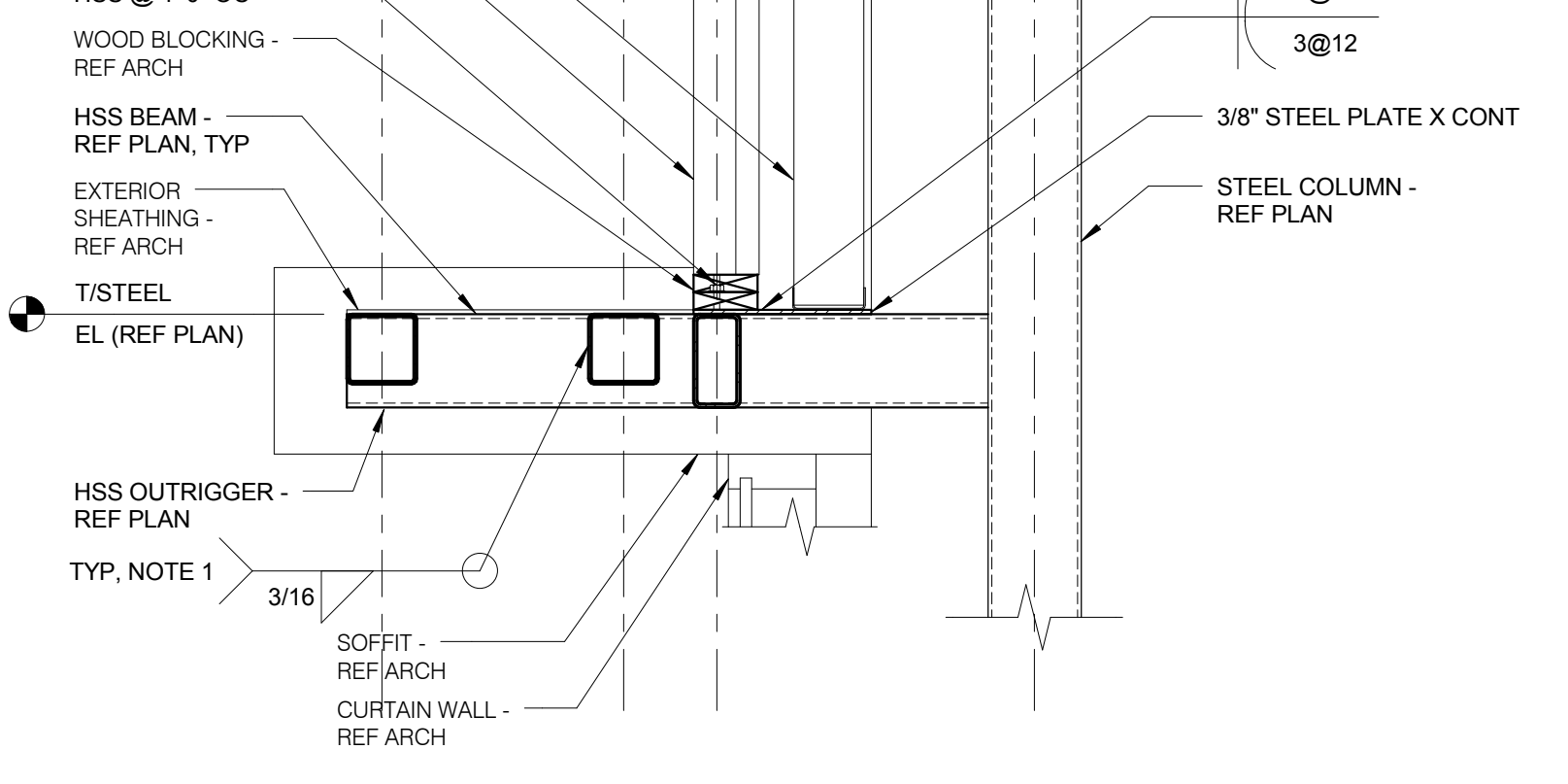
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S3.02



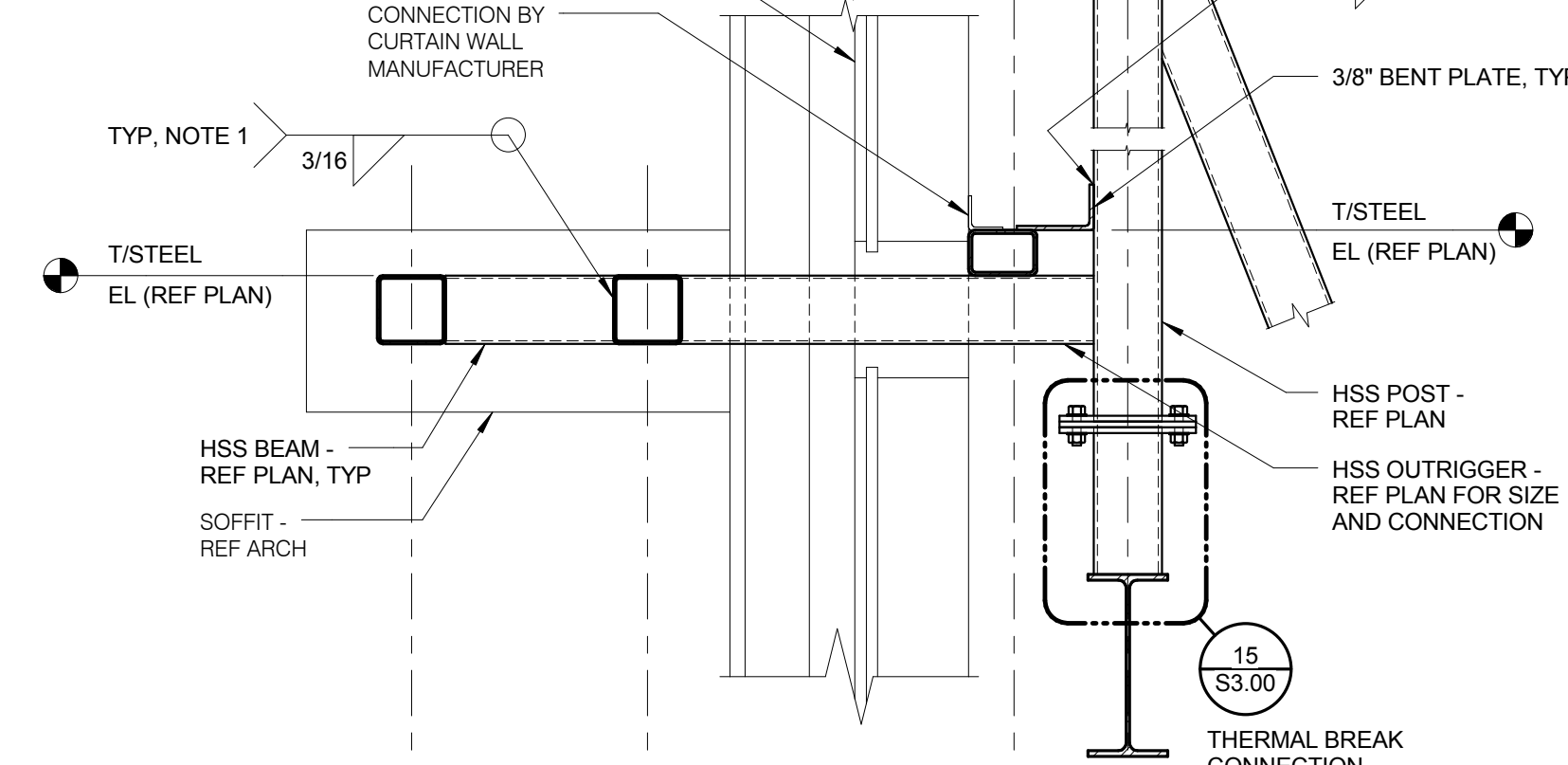
1 SECTION AT GLAZING
 3/4" = 1'-0"
 NOTES:
 1. WHERE BEAMS RUN PARALLEL TO BENT PLAT PROVIDE STIFFENERS @ 0'-0" OC.
 2. GLAZING MANUFACTURER TO ALLOW FOR L360 LL DEFLECTION OF STEEL BEAM.



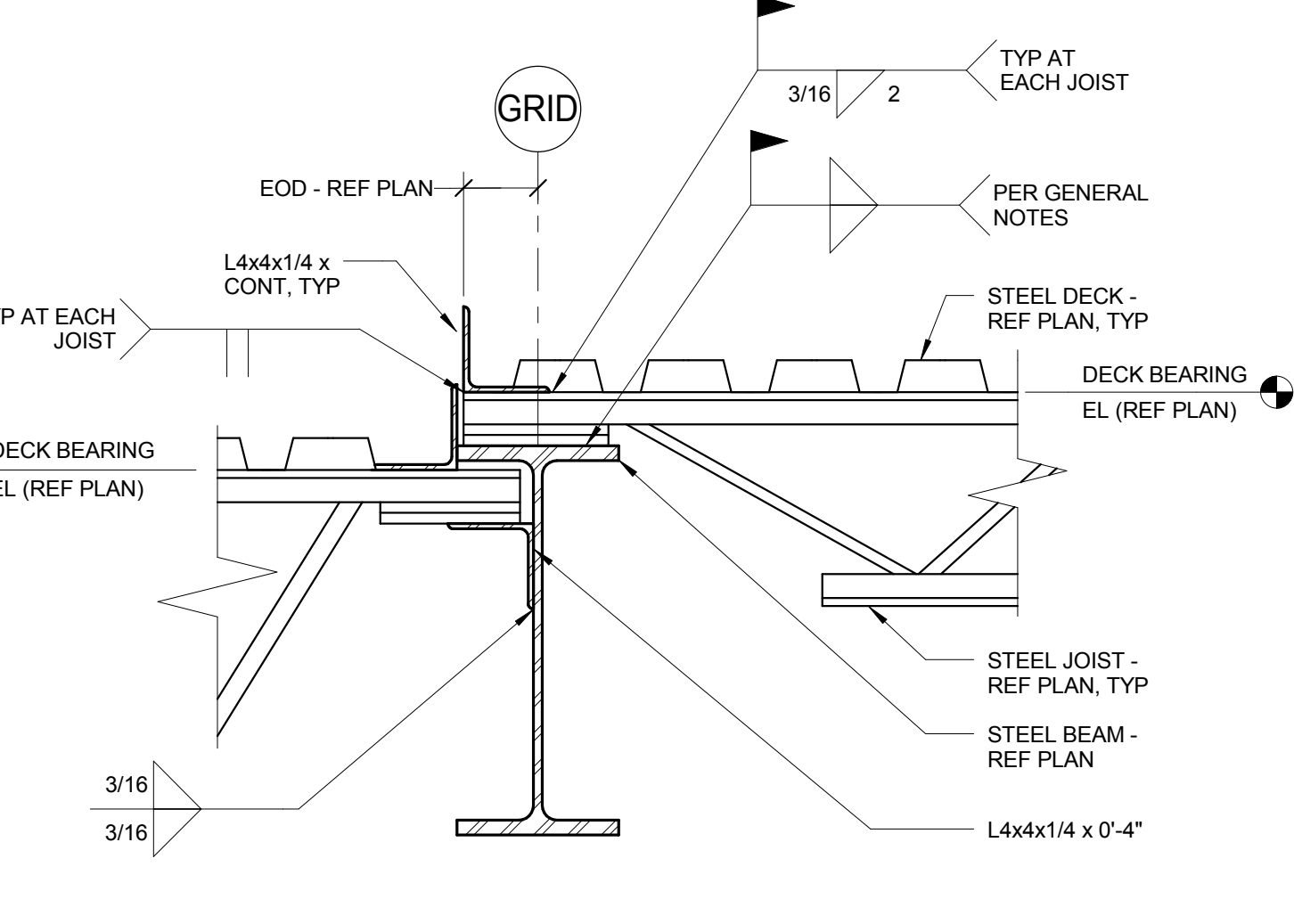
2 BRICK SUPPORT AT LOW ROOF
 3/4" = 1'-0"



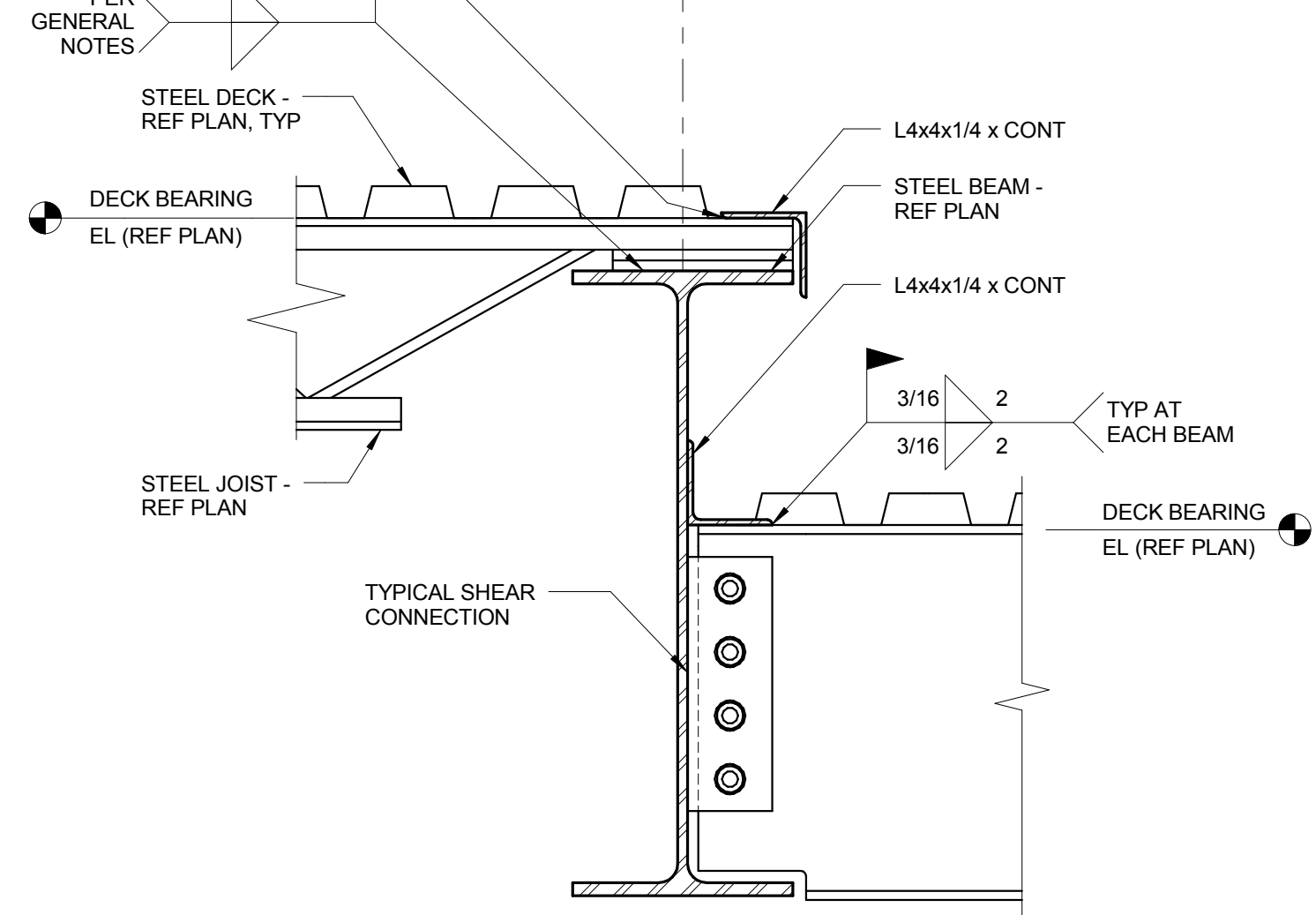
3 STONE SUPPORT AT CANOPY
 3/4" = 1'-0"
 NOTES:
 1. REFER TO PLAN FOR LOCATIONS OF HSS TUBE MOMENT CONNECTIONS AND CORRESPONDING WELD REQUIREMENTS.



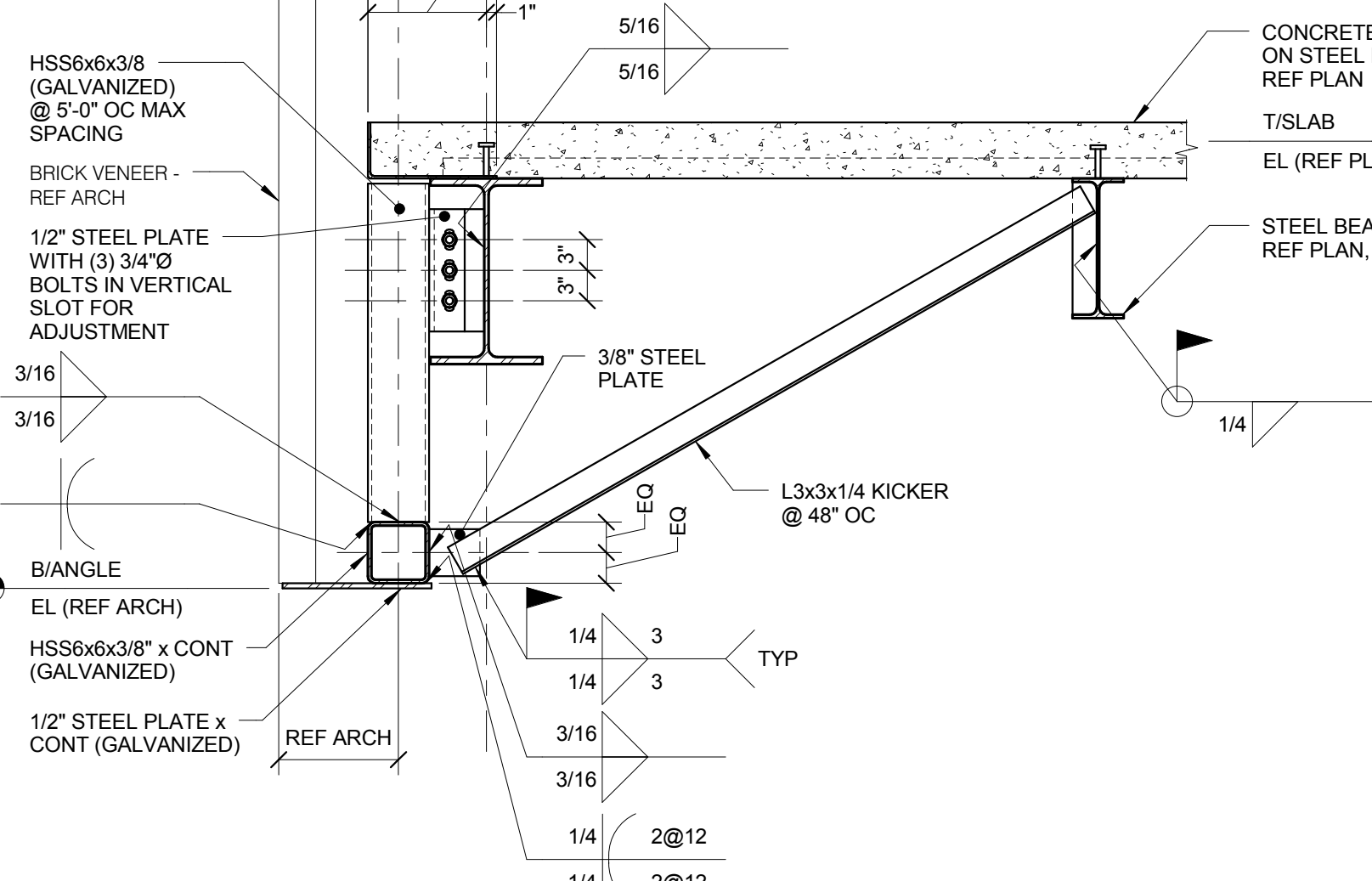
4 CANOPY DETAIL
 3/4" = 1'-0"
 NOTES:
 1. REFER TO PLAN FOR LOCATIONS OF HSS TUBE MOMENT CONNECTIONS AND CORRESPONDING WELD REQUIREMENTS.



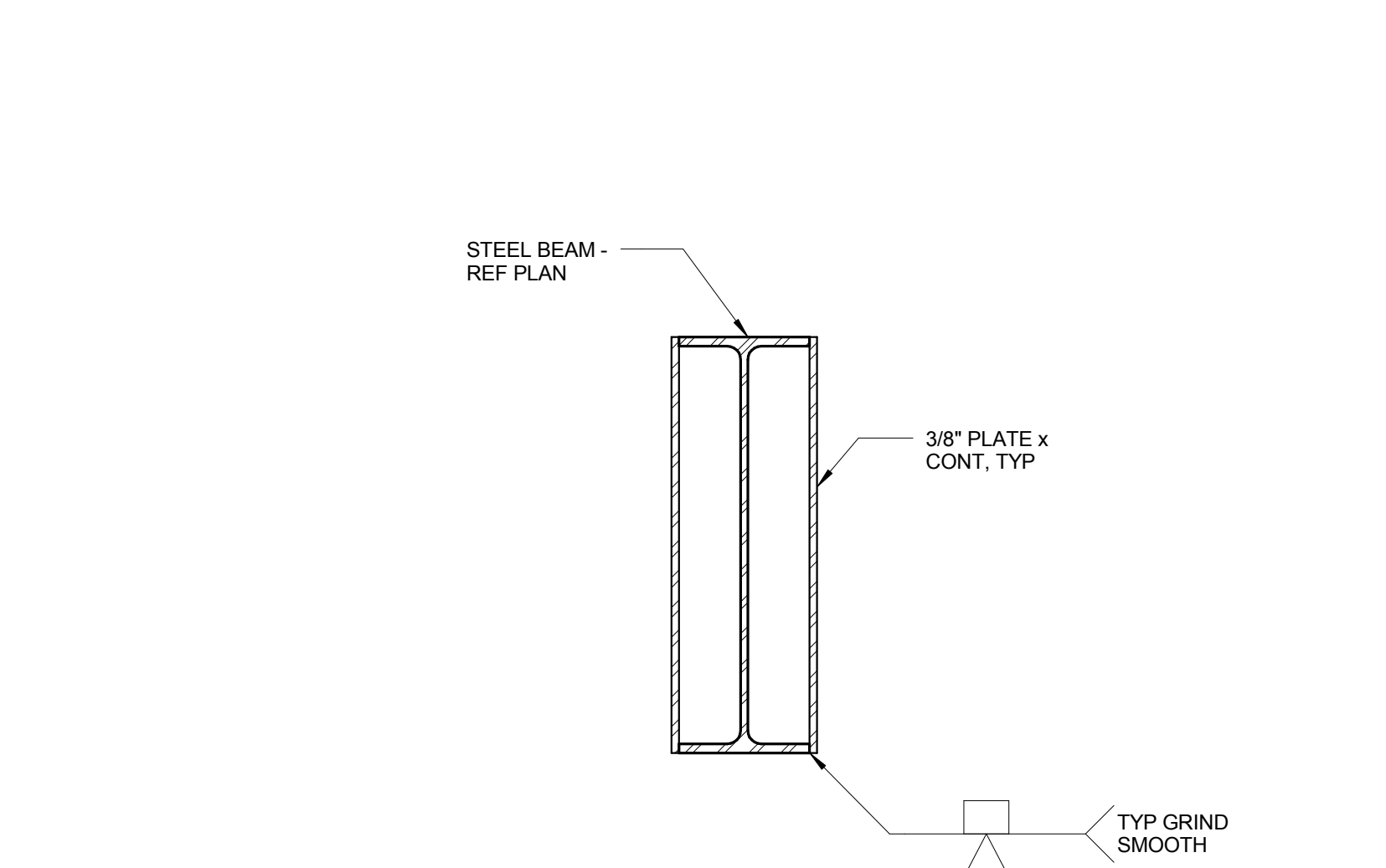
5 GIRDER AT ROOF AND HIGH ROOF
 1 1/2" = 1'-0"



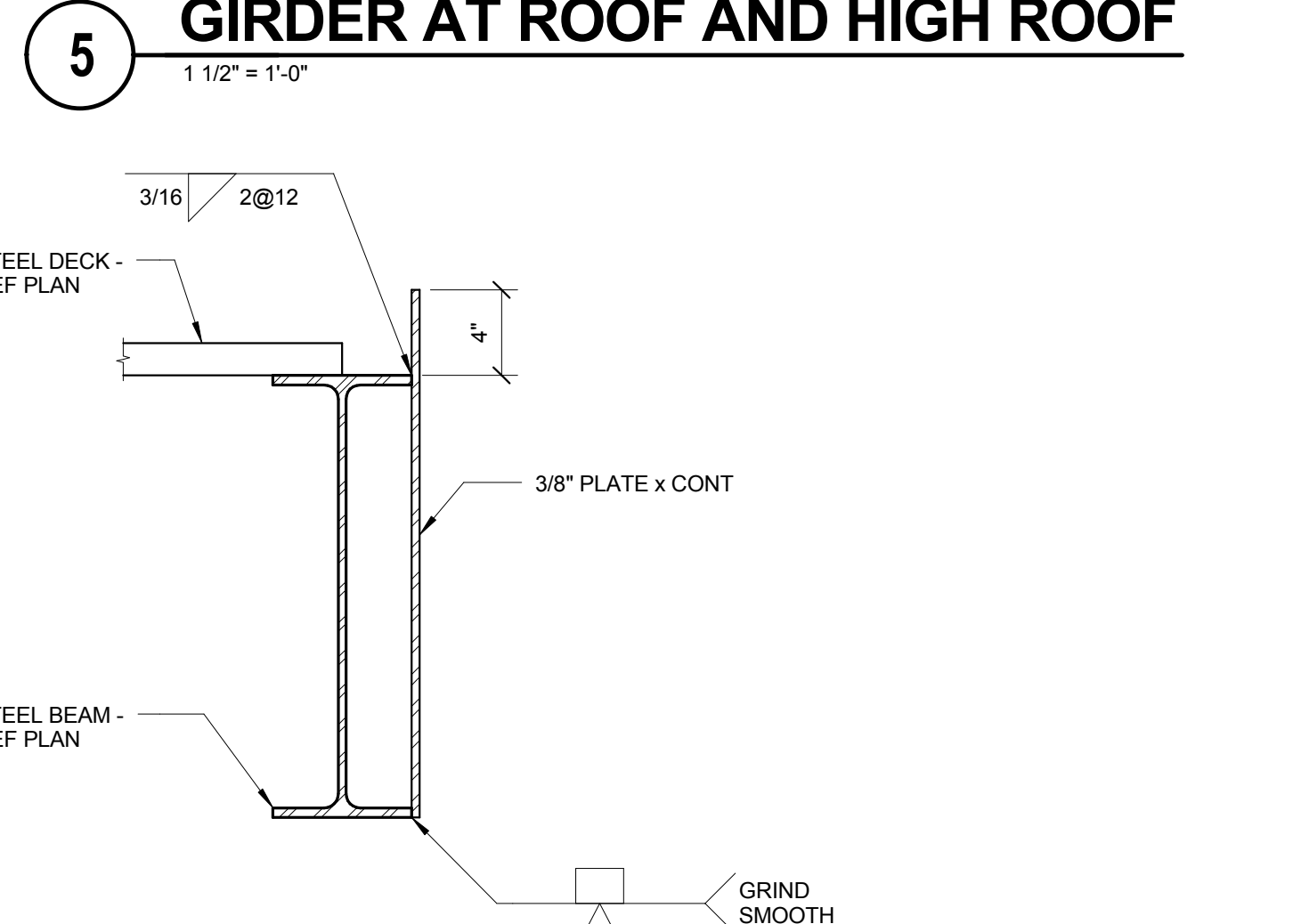
6 GIRDER AT ROOF AND HIGH ROOF
 1 1/2" = 1'-0"



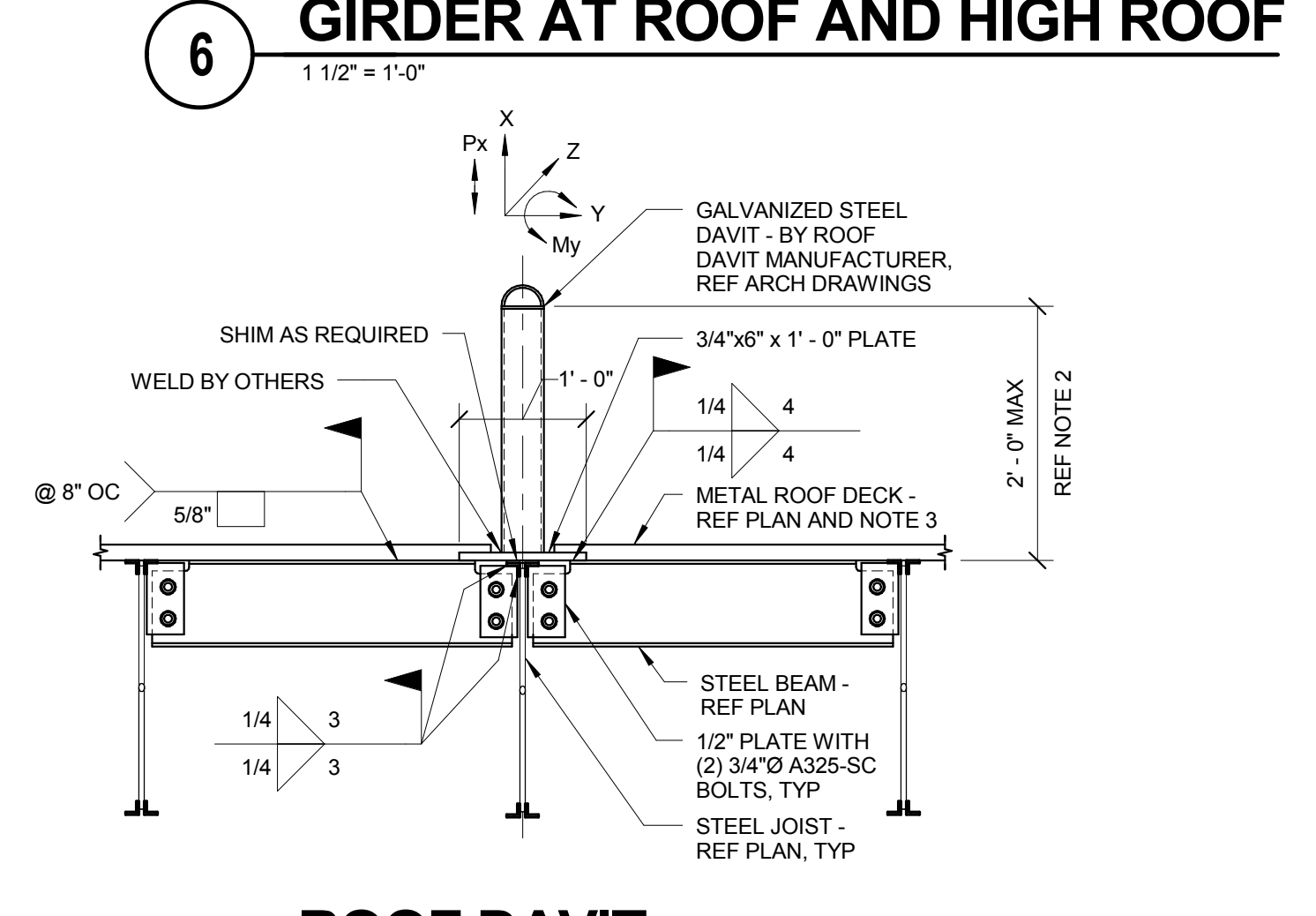
7 CLADDING SUPPORT DETAIL
 3/4" = 1'-0"



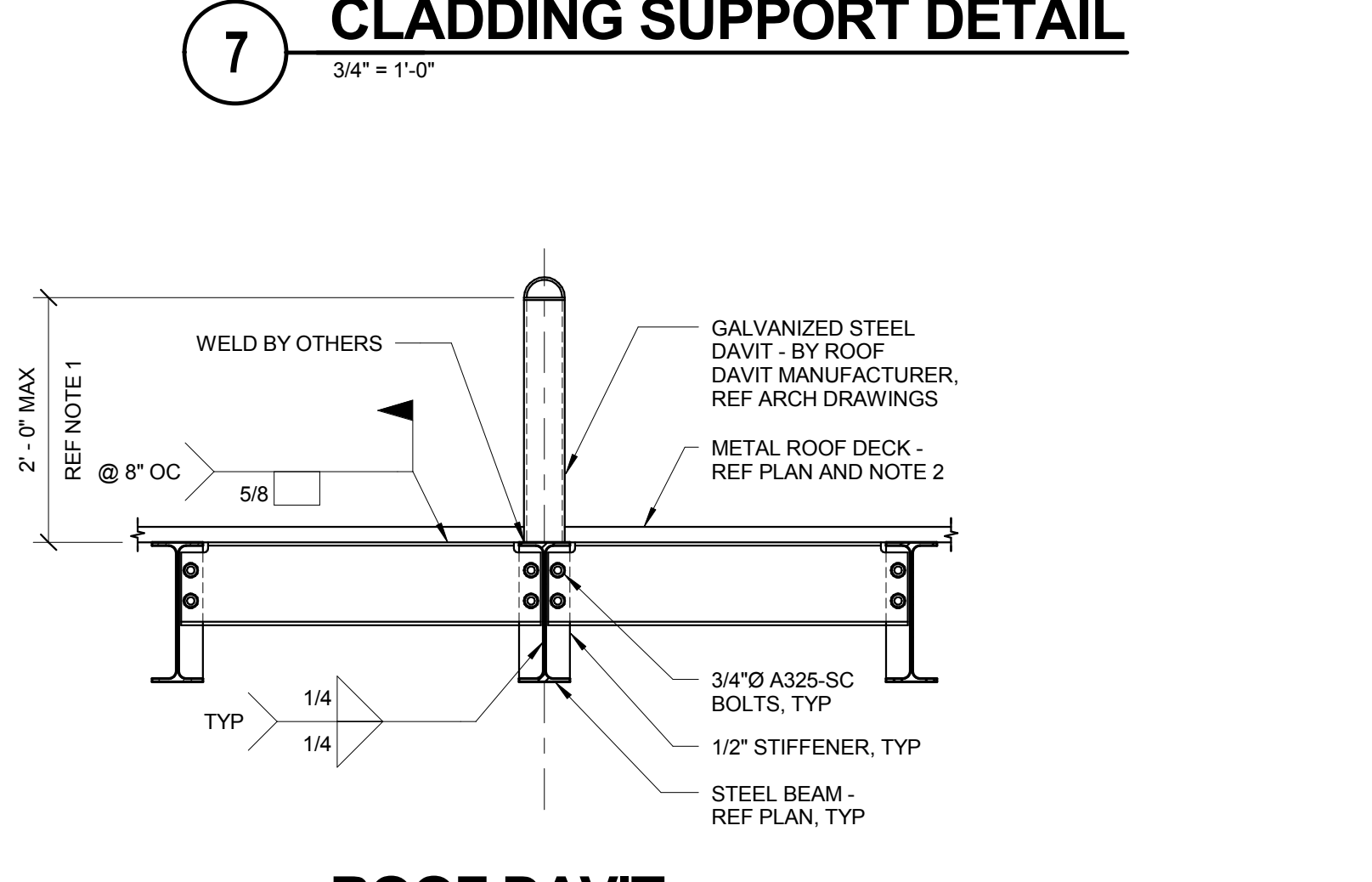
8 STEEL DETAIL
 1 1/2" = 1'-0"
 NOTES:
 1. AT COLUMNS, PLATES ARE TO BE SHOP FABRICATED ALONG THE LENGTH OF THE COLUMN FROM 2" BELOW FINISHED FLOOR ELEVATION TO 2" ABOVE CEILING. COORDINATE ELEVATIONS WITH ARCHITECTURAL DRAWINGS.



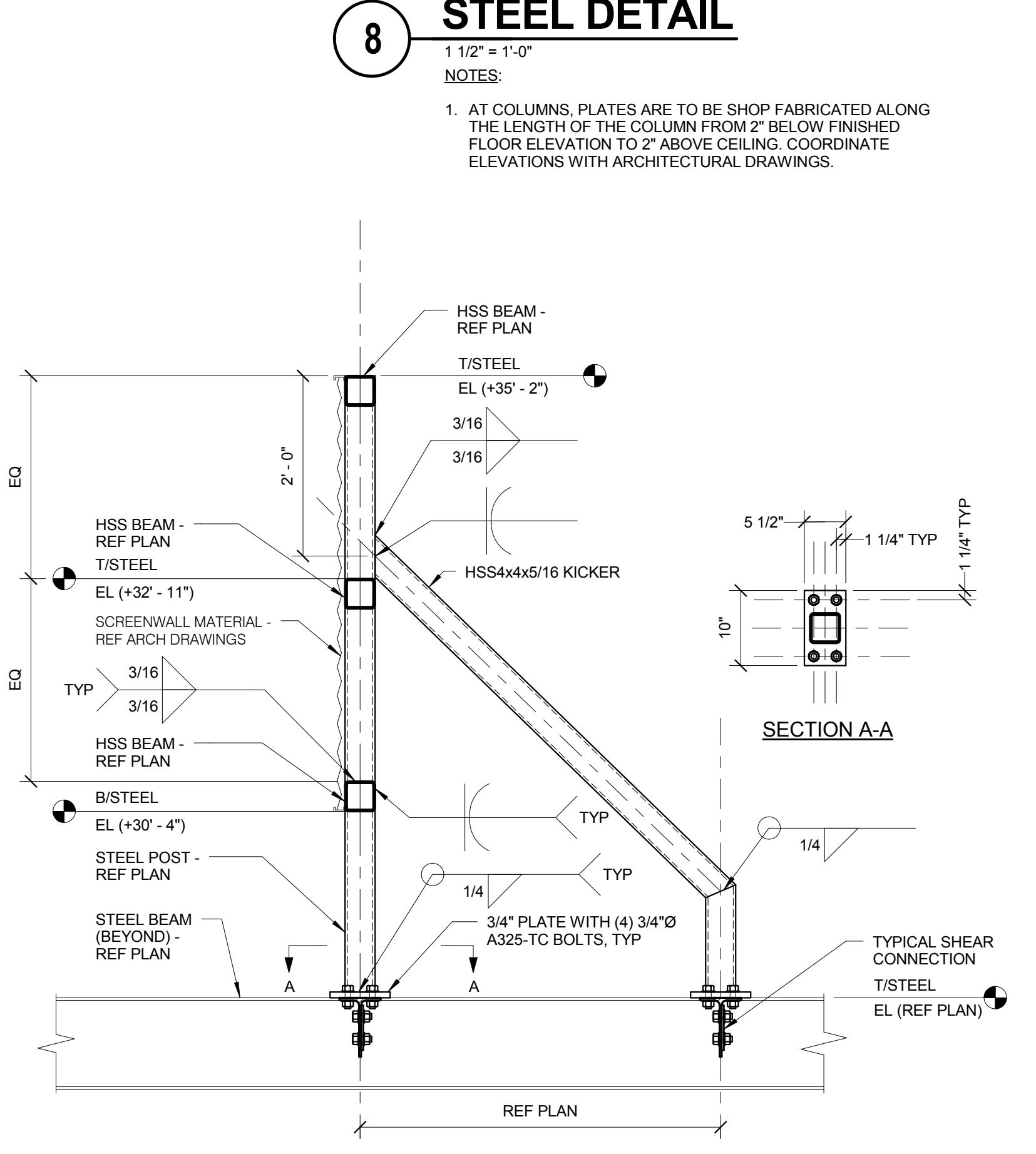
9 STEEL DETAIL
 1 1/2" = 1'-0"
 NOTES:
 1. PLATE IS TO BE SHOP FABRICATED ALONG THE LENGTH OF THE LEAVING 1'-0" AT EACH END OF THE BEAM FOR THE CONNECTION. AFTER THE BEAM IS IN PLACE, PLATES ARE TO BE FIELD WELDED AND THE WELDS GRIND SMOOTH.
 2. AT SIM, PLATE DOES NOT EXTEND UP 4" ABOVE TOP FLANGE AND THERE IS NO DECK.



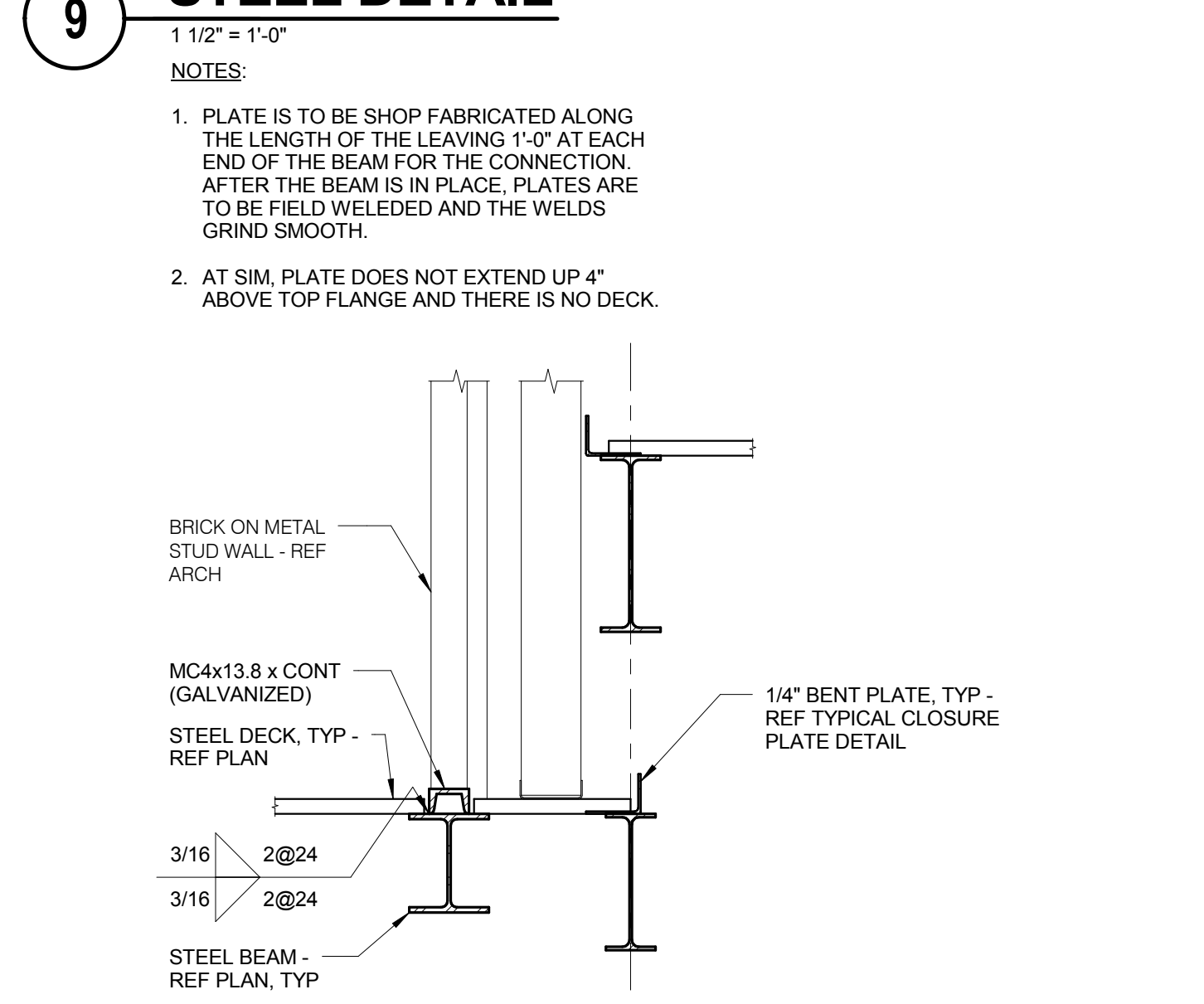
10 ROOF DAVIT DETAIL AT JOISTS
 3/4" = 1'-0"
 NOTES:
 1. DESIGN JOISTS FOR THE ADDITIONAL LIVE LOADS AT THE ROOF ANCHOR LOCATIONS. P = 5000 LBS. M = 10,000 LBS.-FT. MOMENT IS ALONG STRONG AXIS OF JOIST.
 2. IF HEIGHT OF THE BACK EXCEEDS DIMENSION SHOWN, CONTACT STRUCTURAL ENGINEER AND JOIST MANUFACTURER.
 3. DECK MANUFACTURER TO LAY OUT ROOF DECK SO BOTTOM OF FLUTE ALIGNS WITH W8 STEEL BEAM TO INSURE PUDDLE WELD CONNECTION BETWEEN BEAM AND DECK.



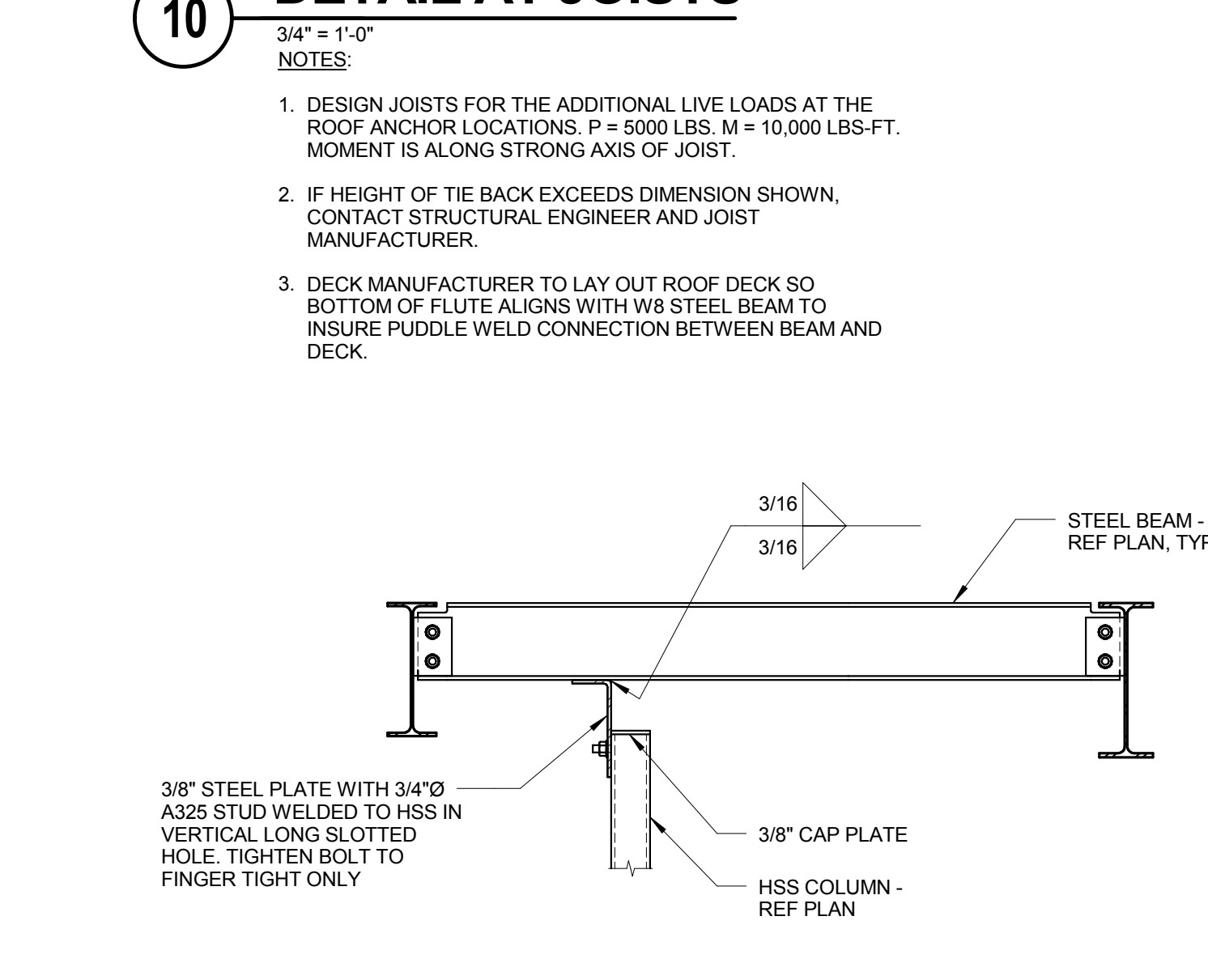
11 ROOF DAVIT DETAIL AT BEAM
 3/4" = 1'-0"
 NOTES:
 1. IF HEIGHT OF THE BACK EXCEEDS DIMENSION SHOWN, CONTACT STRUCTURAL ENGINEER AND JOIST MANUFACTURER.
 2. DECK MANUFACTURER TO LAY OUT ROOF DECK SO BOTTOM OF FLUTE ALIGNS WITH W8 STEEL BEAM TO INSURE PUDDLE WELD CONNECTION BETWEEN BEAM AND DECK.



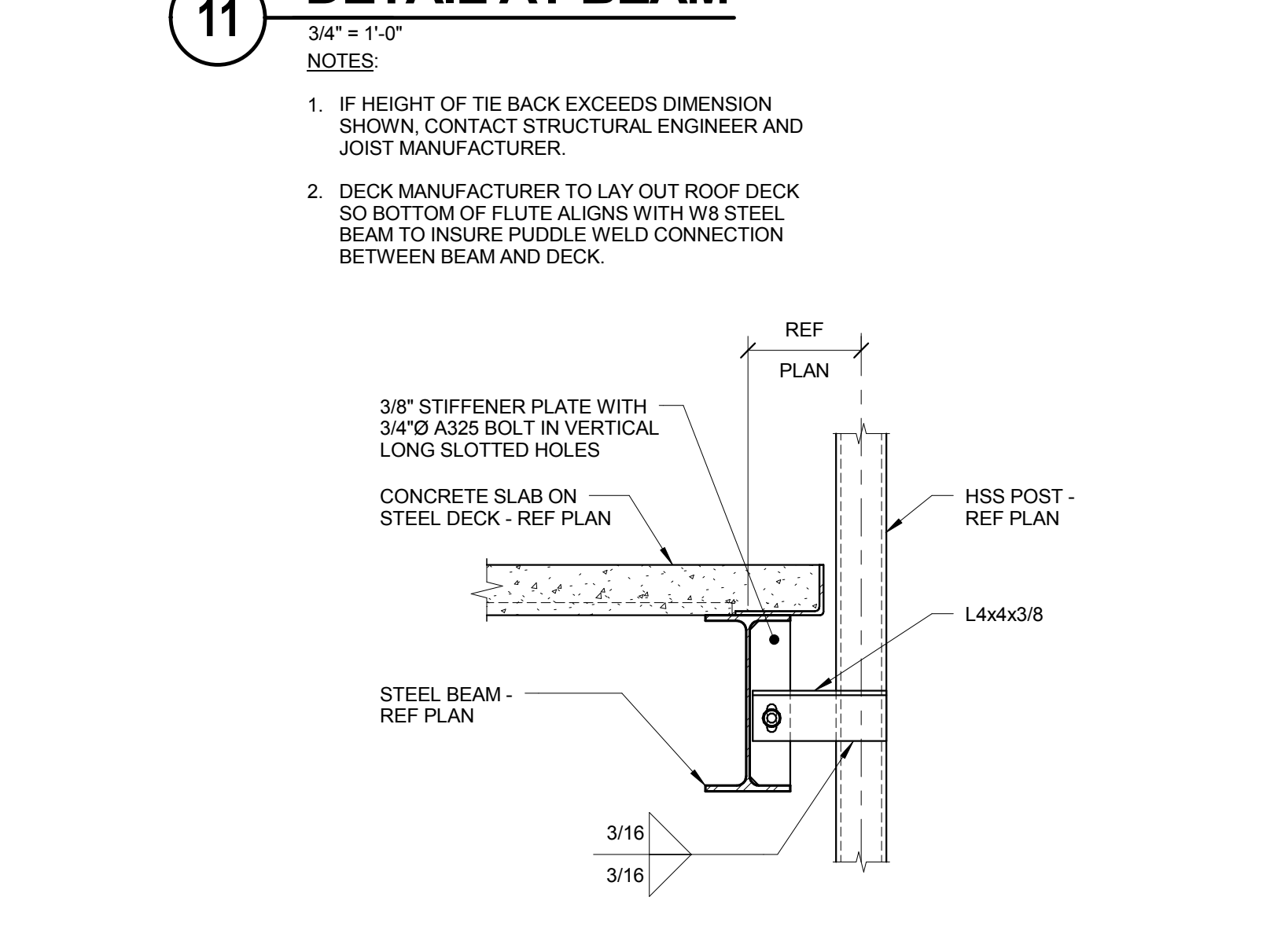
12 SCREEN WALL DETAIL
 3/4" = 1'-0"
 NOTES:
 1. ALL SCREEN WALL STEEL TO BE GALVANIZED.



13 BRICK SUPPORT AT ROOF
 3/4" = 1'-0"



14 ELEVATOR RAIL SUPPORT DETAIL
 3/4" = 1'-0"



15 ELEVATOR RAIL SUPPORT DETAIL
 1" = 1'-0"

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PROJECT # 14-005-00
 BRICK DESIGN FIRM REGISTRATION #184-08973

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KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

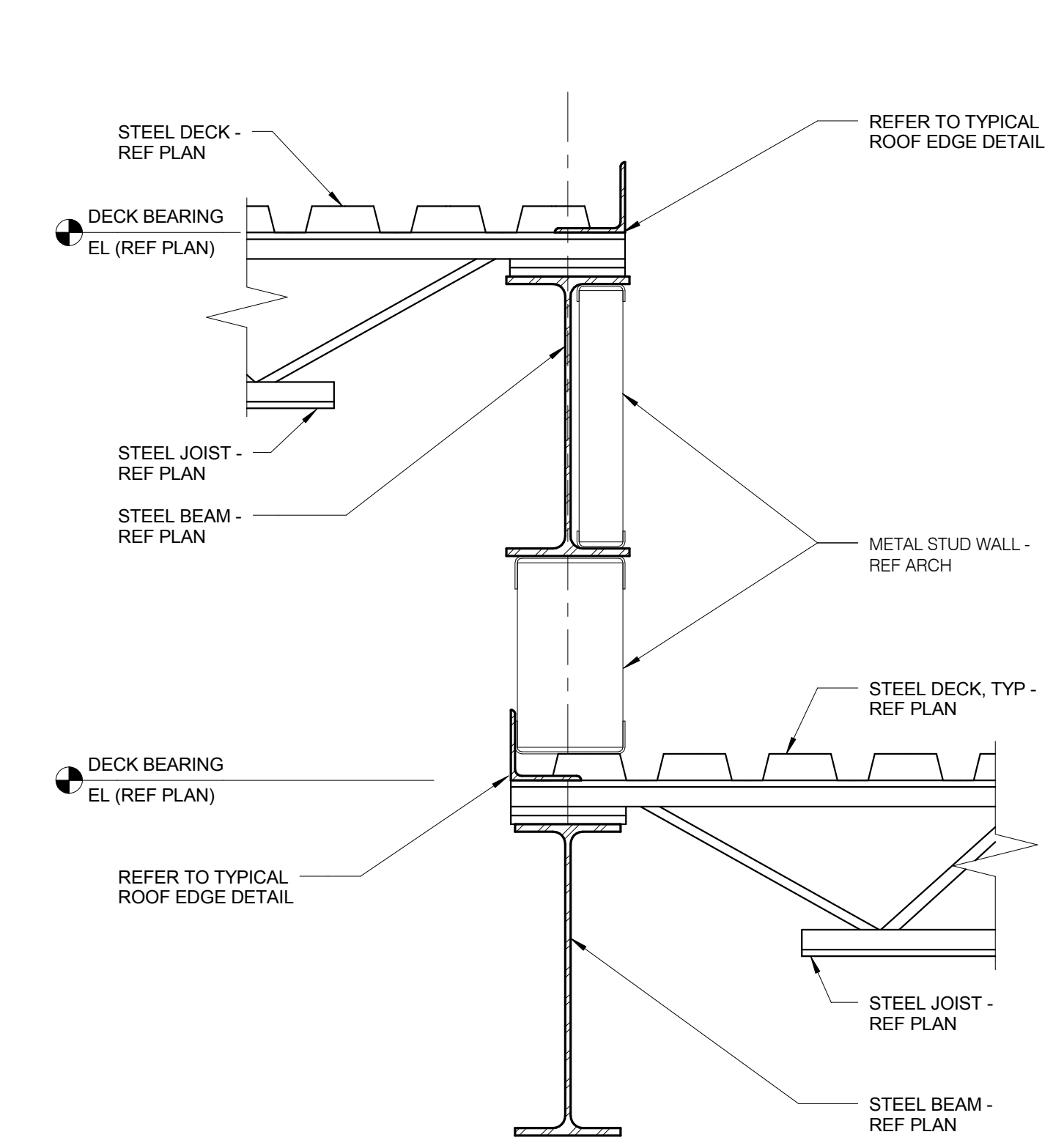
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SHEET TITLE:

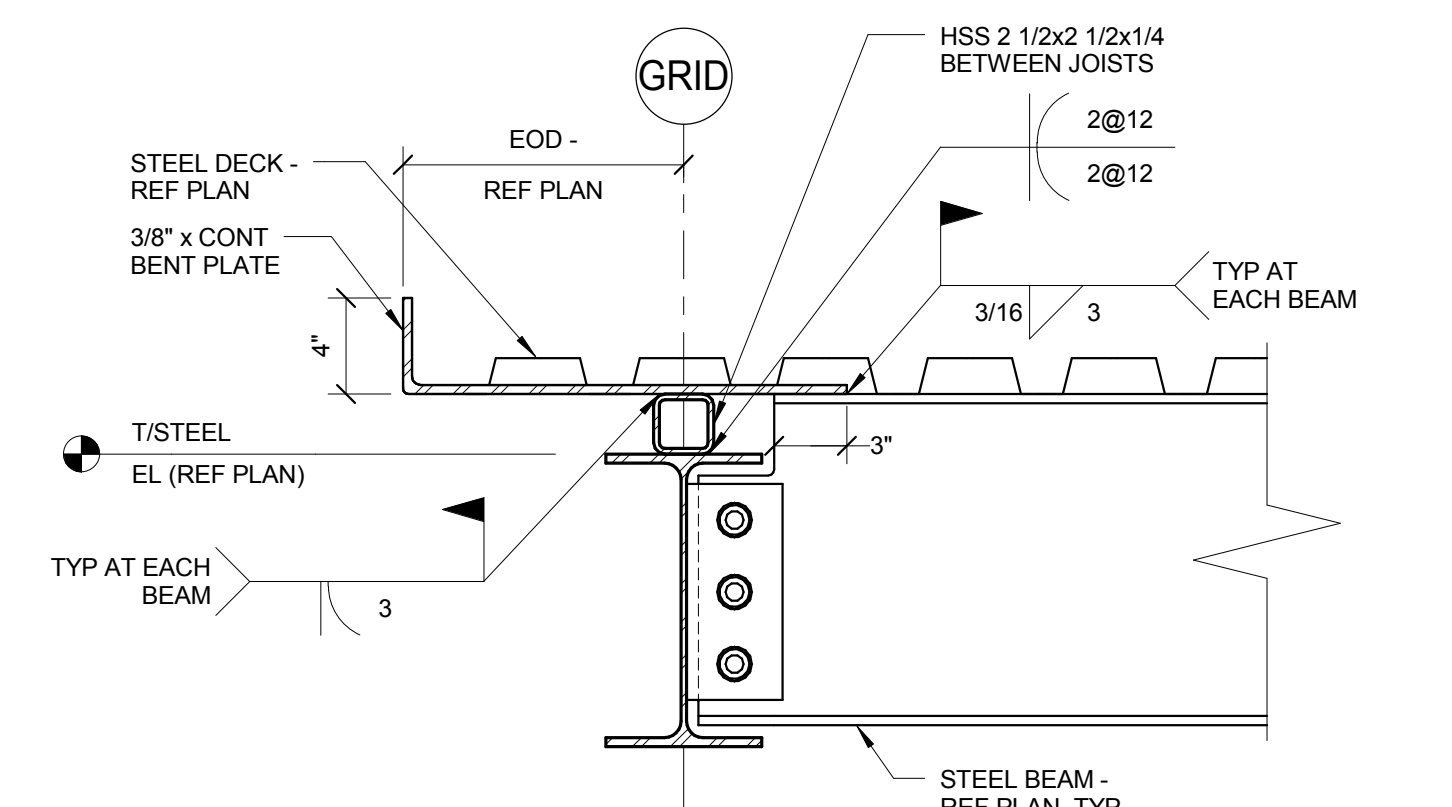
STEEL DETAILS

SHEET NUMBER:

S3.03



4 **EDGE OF ROOF DECK DETAIL**
 1 1/2" = 1'-0"



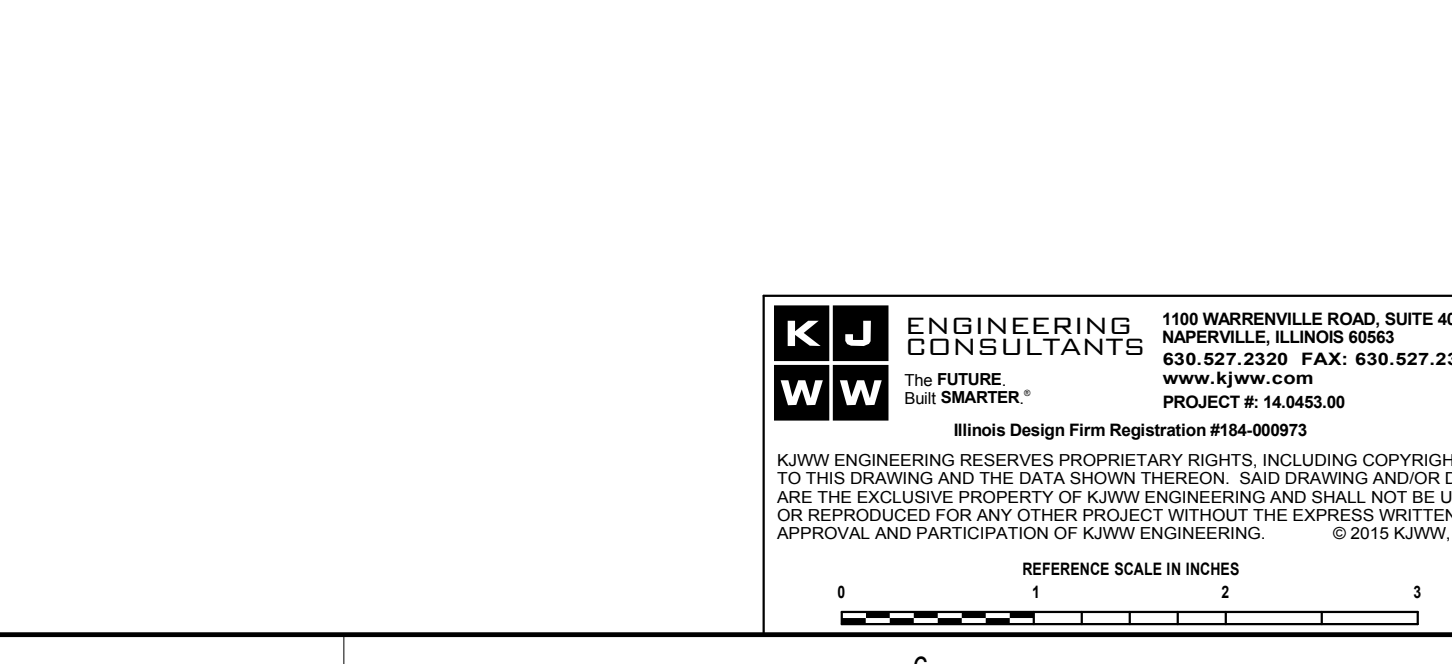
5 **FRAMING DETAIL**
 1 1/2" = 1'-0"



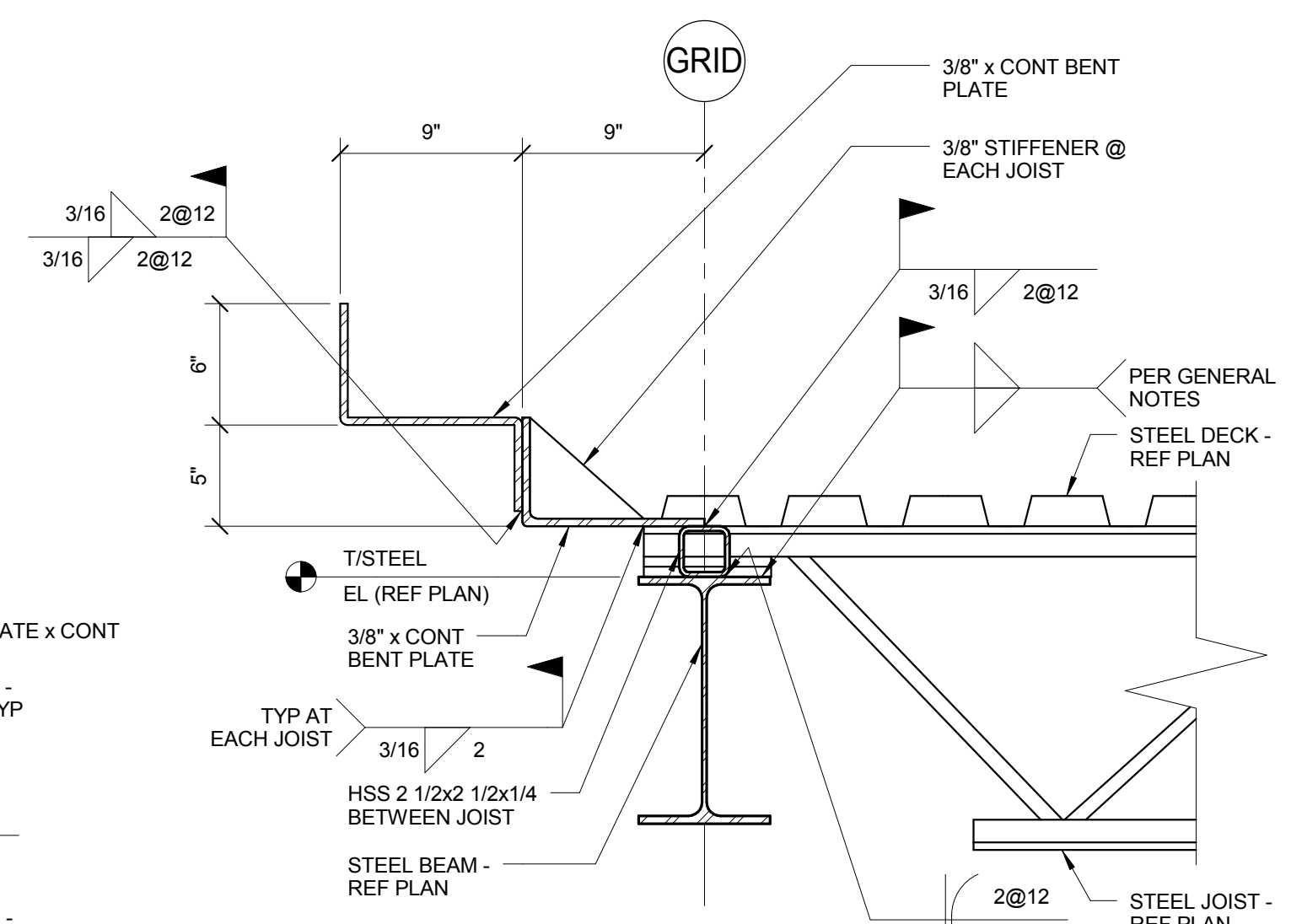
6 **HANDRAIL DETAIL**
 3/4" = 1'-0"



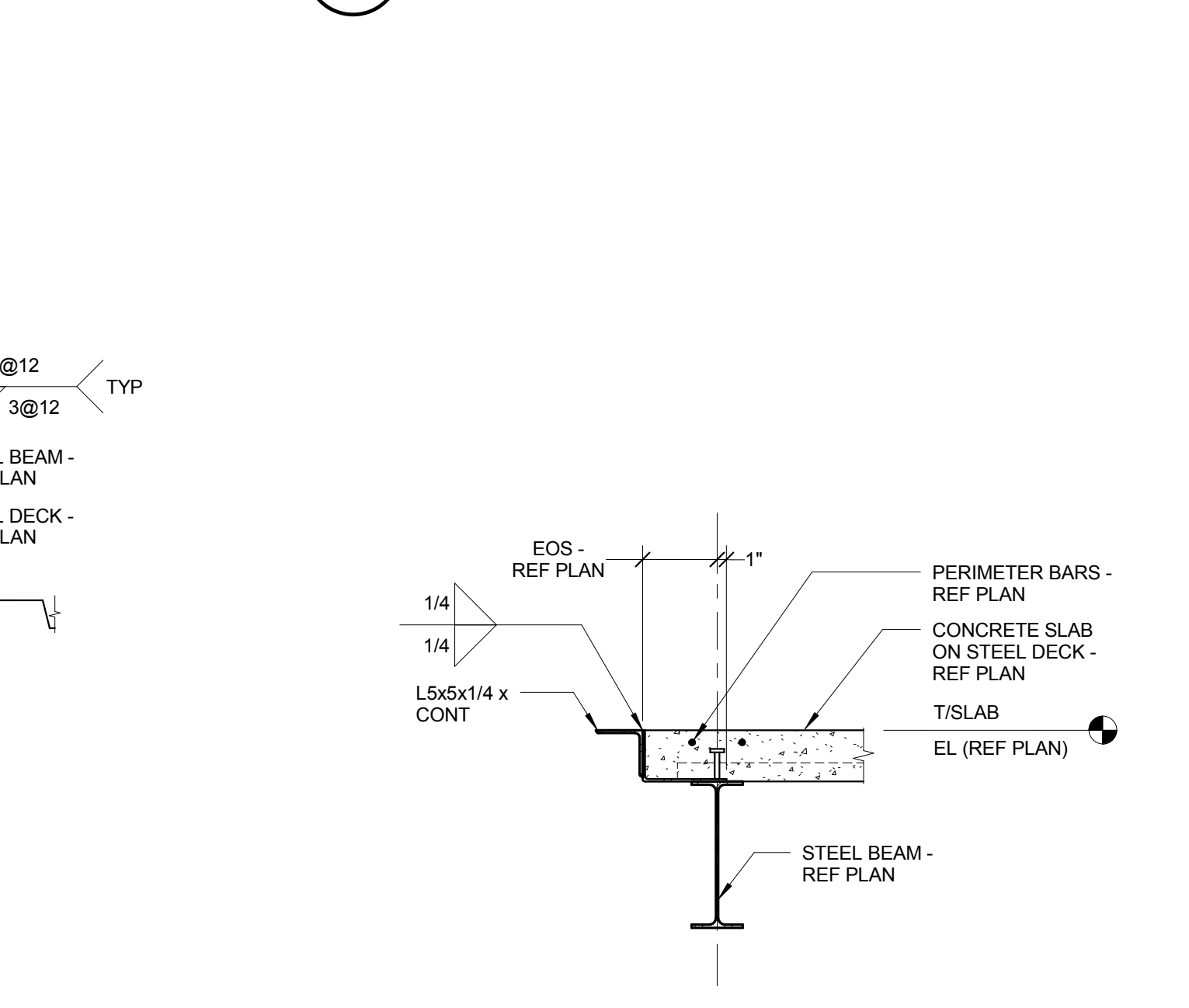
7 **CURTAIN WALL DETAIL**
 3/4" = 1'-0"



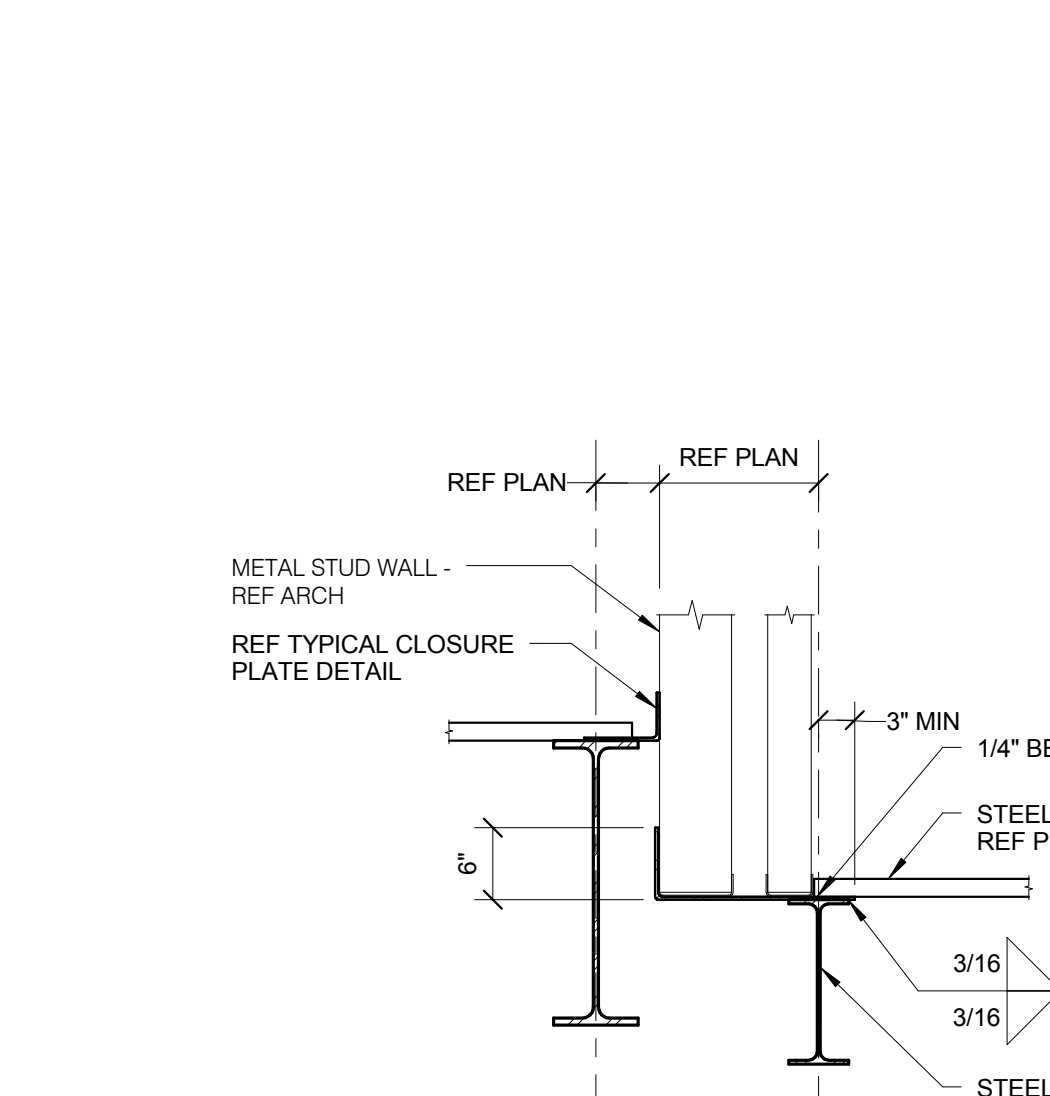
8 **CLOSURE PLATE DETAIL AT SCUPPER**
 1 1/2" = 1'-0"



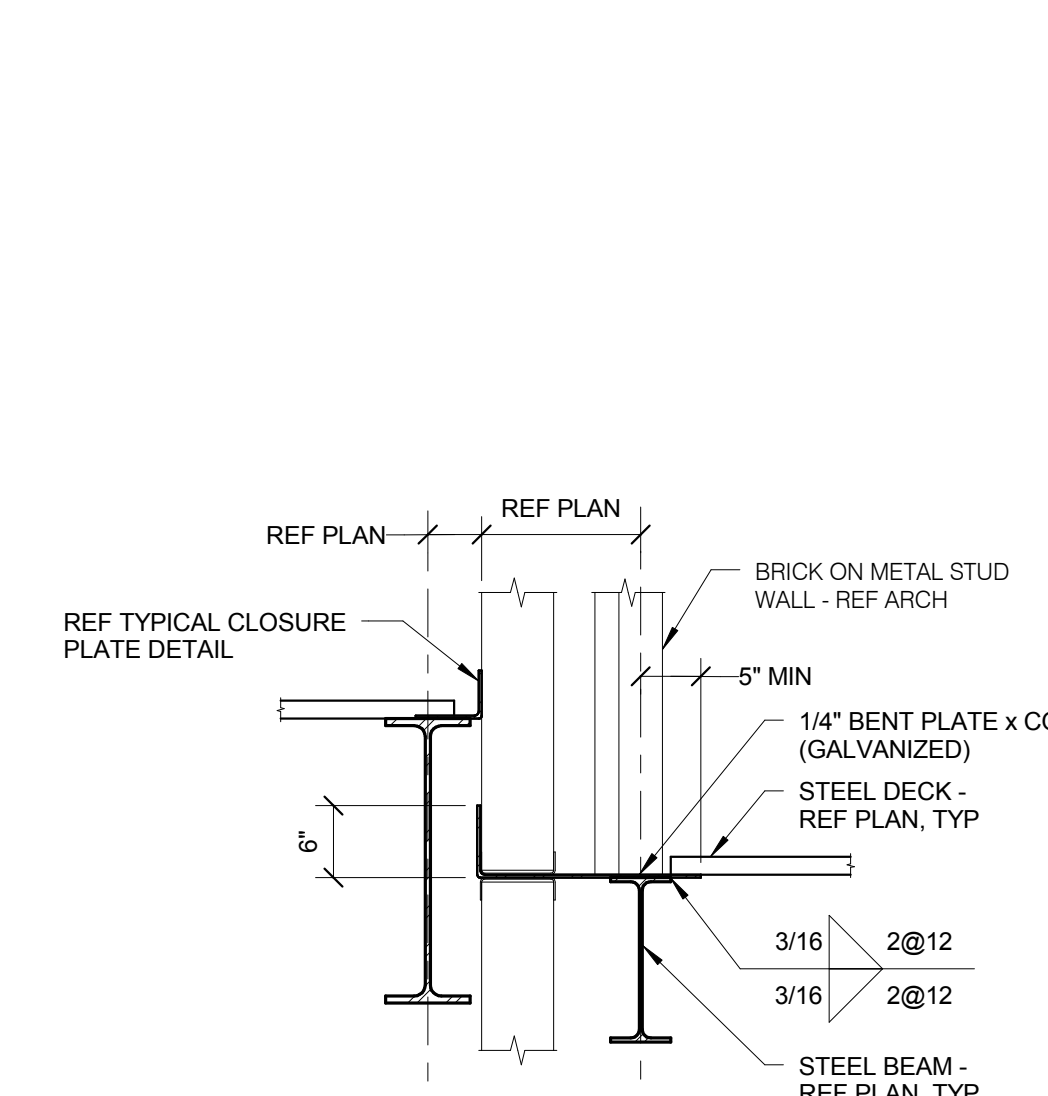
9 **CLOSURE PLATE DETAIL**
 3/4" = 1'-0"



10 **ROOF EDGE DETAIL**
 1 1/2" = 1'-0"



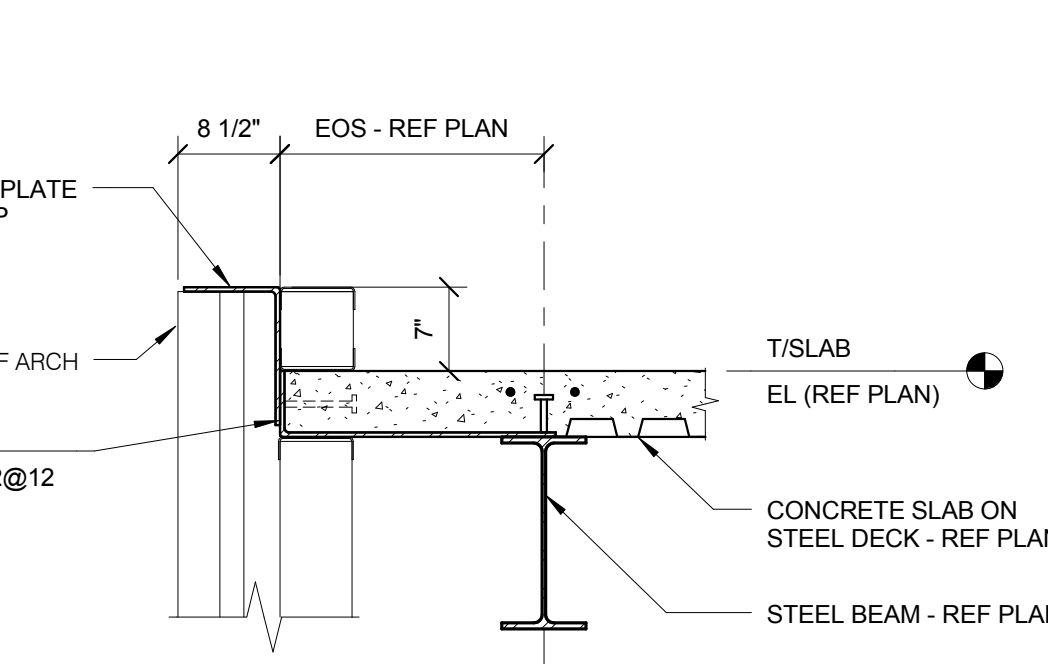
11 **BRICK SUPPORT AT CANOPY**
 3/4" = 1'-0"



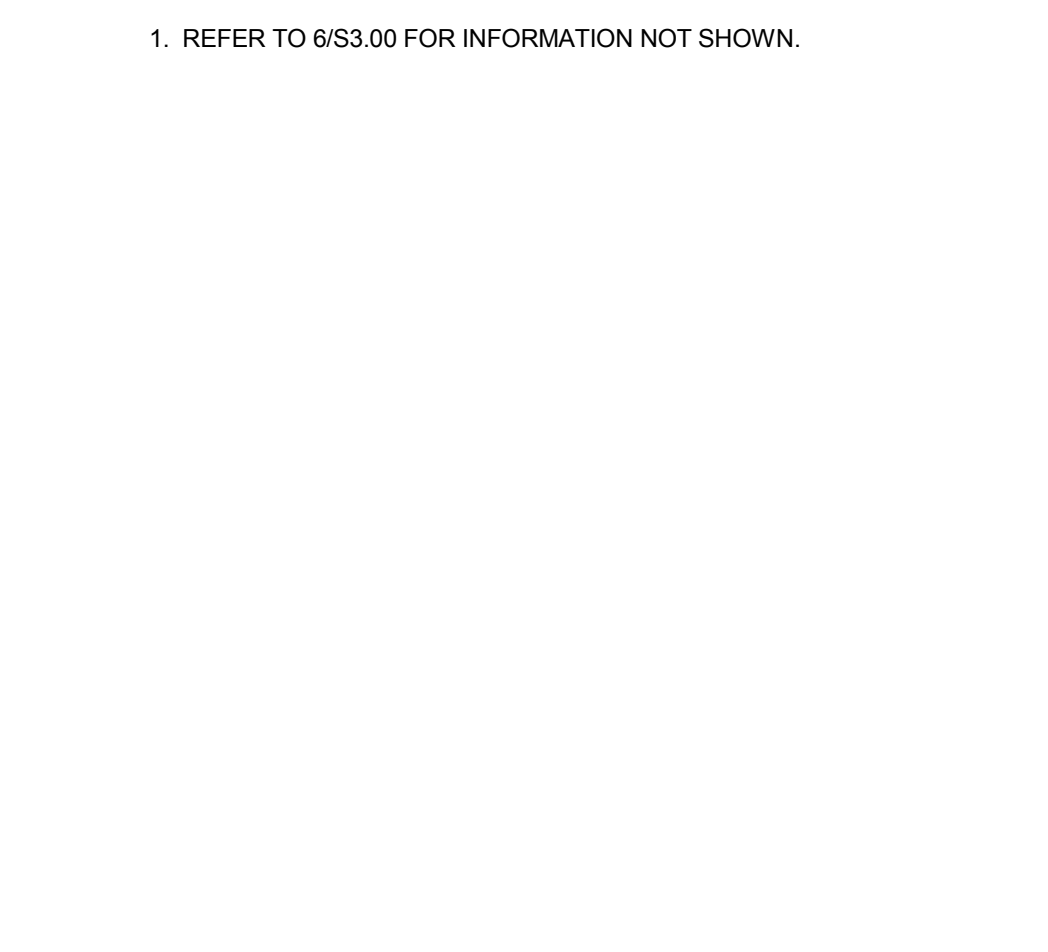
1 **BRICK SUPPORT AT LOW ROOF**
 1" = 1'-0"



2 **BRICK SUPPORT AT LOW ROOF**
 3/4" = 1'-0"



3 **FACADE SUPPORT AT LOW ROOF**
 3/4" = 1'-0"



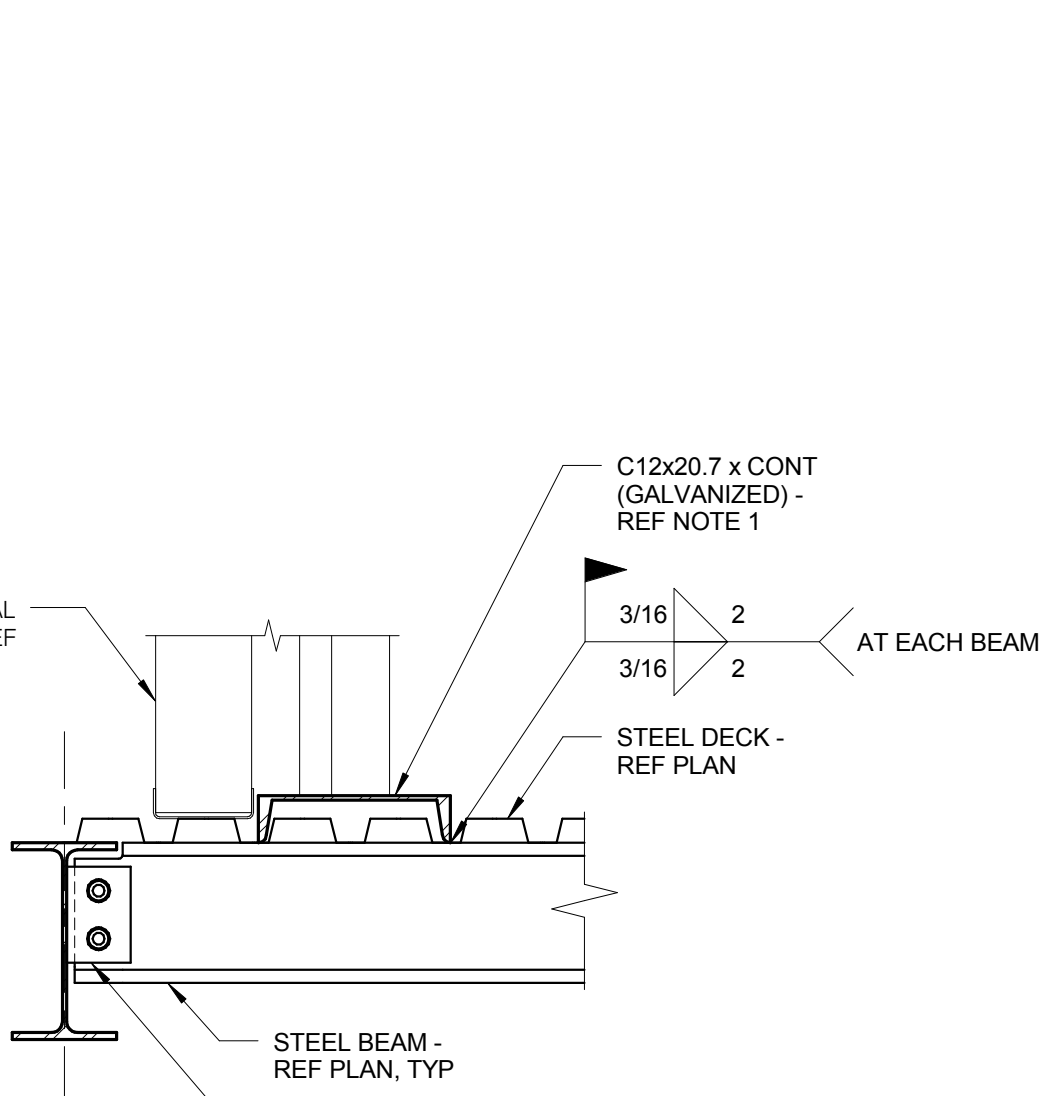
4 **EDGE OF ROOF DECK DETAIL**
 1 1/2" = 1'-0"



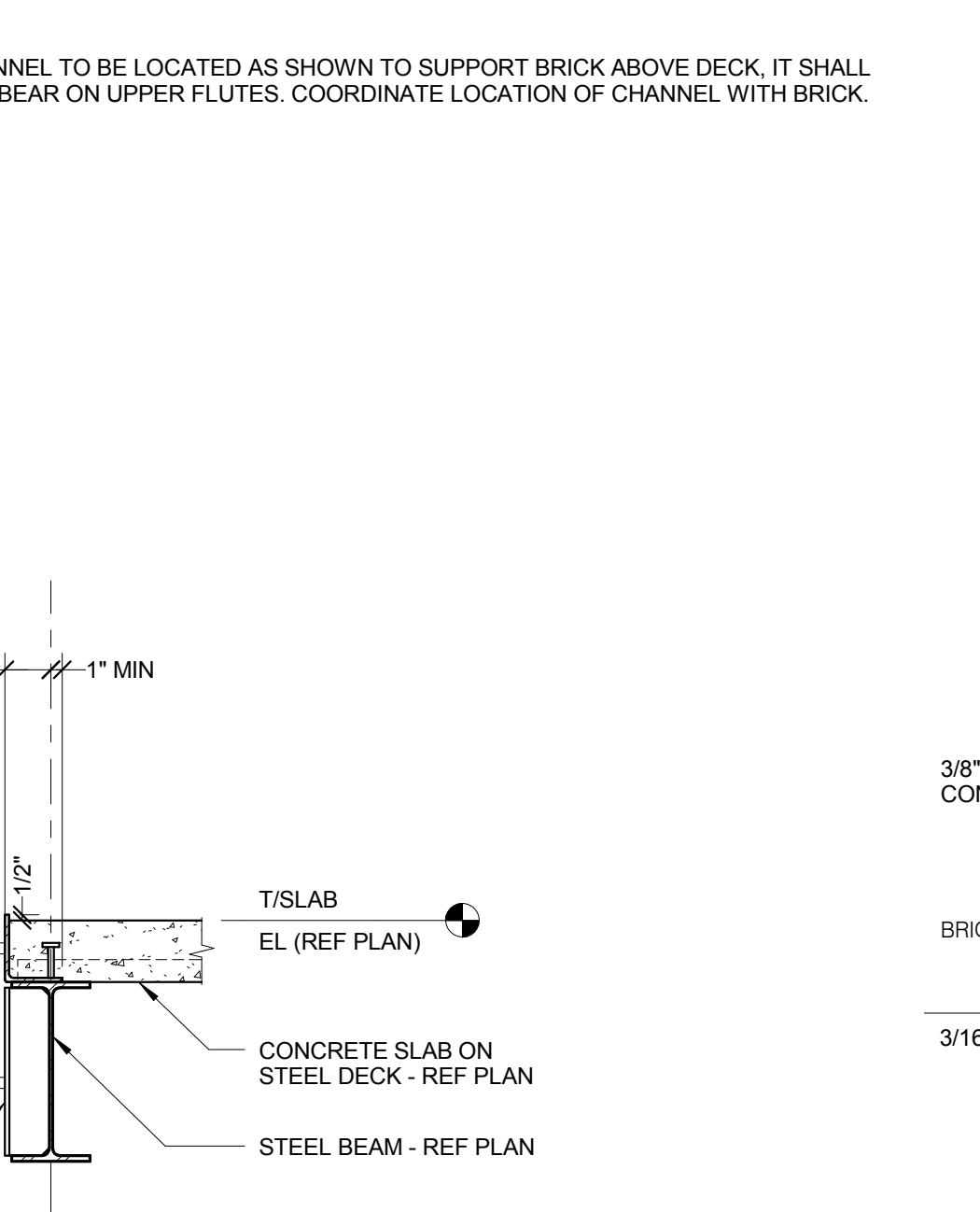
5 **FRAMING DETAIL**
 1 1/2" = 1'-0"



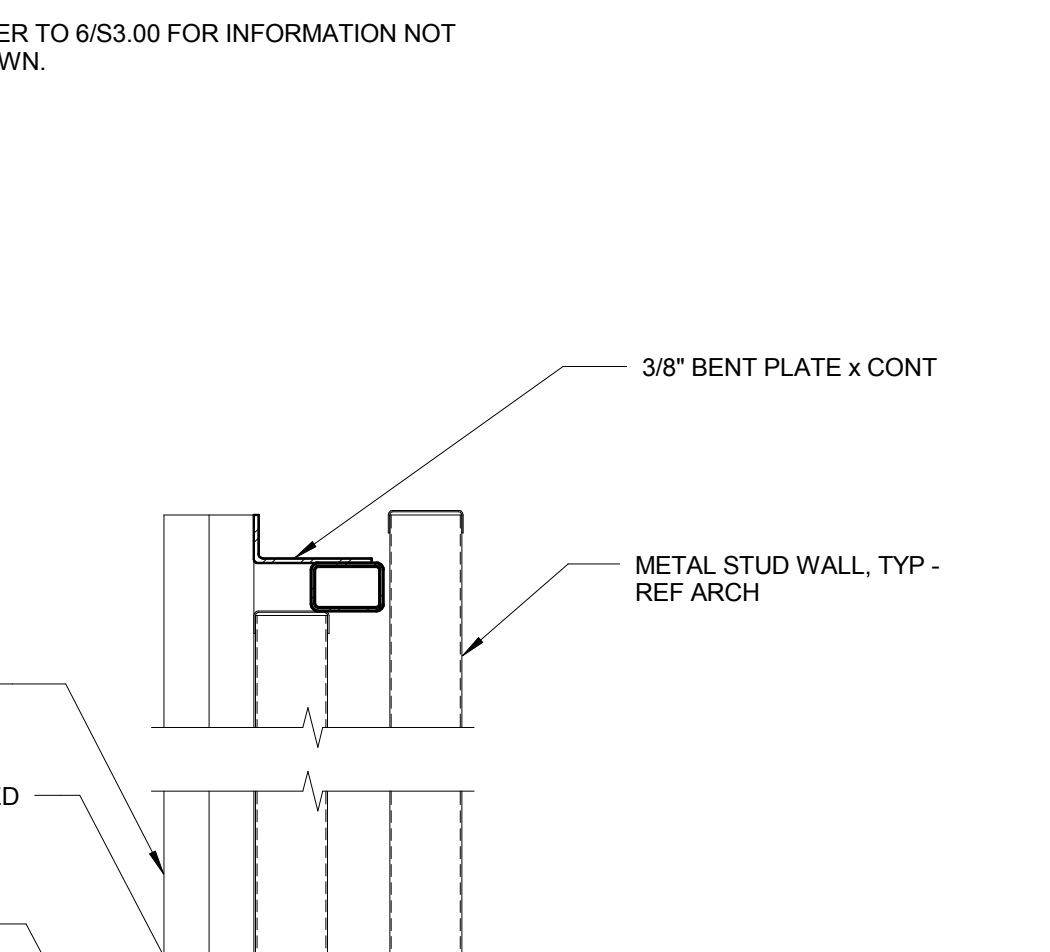
6 **HANDRAIL DETAIL**
 3/4" = 1'-0"



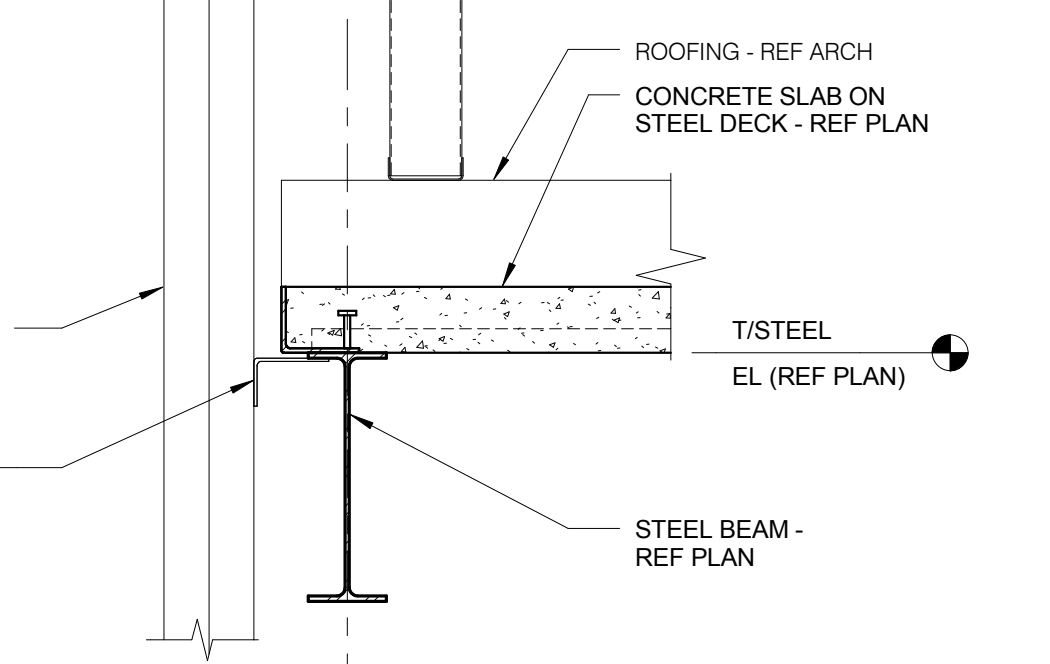
7 **CURTAIN WALL DETAIL**
 3/4" = 1'-0"



8 **CLOSURE PLATE DETAIL AT SCUPPER**
 1 1/2" = 1'-0"



9 **CLOSURE PLATE DETAIL**
 3/4" = 1'-0"



10 **ROOF EDGE DETAIL**
 1 1/2" = 1'-0"



11 **BRICK SUPPORT AT CANOPY**
 3/4" = 1'-0"

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 BRICK DESIGN FIRM REGISTRATION #18-08973

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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
MECHANICAL COVER SHEET

SHEET NUMBER:

MO.00

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	BRANDON FORTIER
MECHANICAL ENGINEER	BLAIR HAWN

MECHANICAL GENERAL NOTES:

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, DUCTWORK, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF DUCTWORK, PIPING, EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
- ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
- REFER TO ARCHITECTURAL, REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIOVISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
- SEAL ALL FLOOR, WALL AND ROOF PENETRATIONS AIRTIGHT WHERE CONDUITS, PIPING, AND DUCTS PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES AND DUCTS ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATER TIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY BETWEEN DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN MINIMUM 3'-6" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTERS, SWITCHES, AND DISCONNECTS.
- PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
- DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

MECHANICAL ABBREVIATION KEY

ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
DPG (0-2')	DIFFERENTIAL PRESSURE GAUGE (RANGE)
DPS	DIFFERENTIAL PRESSURE SWITCH
EA	EXHAUST/RELIEF AIR
FD	FIRE DAMPER
MA	MIXED AIR
OA	OUTSIDE AIR
RA	RETURN AIR
SA	SUPPLY AIR
TAB	TERMINAL AIR BOX
TD	TRANSFER DUCT
TYP	TYPICAL

LINE TYPE KEY:

- NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
- - - NEW WORK UNDERFLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)
- NEW WORK BY OTHERS (LIGHT SOLID LINE)

FIRE BARRIER DESIGNATIONS

THE SYMBOLS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

ALL FLOOR, FLOOR CEILING, AND ROOF CEILING ASSEMBLIES SHALL BE DESIGNATED AS 1 HOUR FIRE BARRIERS, UNLESS NOTED OTHERWISE ON THE PLANS. RATINGS WERE ACQUIRED FROM THE ARCHITECTURAL PLANS DATED 08/12/2015.

1 HOUR FIRE BARRIER	-----
---------------------	-------

MECHANICAL SHEET INDEX

M0.00	MECHANICAL COVER SHEET
M1.11	LEVEL 1 PLAN - WEST - VENTILATION
M1.12	LEVEL 1 PLAN - EAST - VENTILATION
M1.21	LEVEL 2 PLAN - WEST - VENTILATION
M1.22	LEVEL 2 PLAN - EAST - VENTILATION
M1.31	ROOF PLAN - WEST - VENTILATION
M1.32	ROOF PLAN - EAST - VENTILATION
M2.11	LEVEL 1 PLAN - WEST - PIPING
M2.12	LEVEL 1 PLAN - EAST - PIPING
M2.21	LEVEL 2 PLAN - WEST - PIPING
M2.22	LEVEL 2 PLAN - EAST - PIPING
M2.31	ROOF PLAN - WEST - PIPING
M2.32	ROOF PLAN - EAST - PIPING
M3.00	ENLARGED PLANS MECHANICAL
M4.00	MECHANICAL DETAILS
M4.01	MECHANICAL DETAILS
M4.02	MECHANICAL DETAILS
M4.03	MECHANICAL DETAILS
M5.00	MECHANICAL SCHEDULES
M5.01	MECHANICAL SCHEDULES
M5.02	MECHANICAL SCHEDULES
M6.00	HEATING WATER FLOW DIAGRAM
M7.00	CONTROL DIAGRAMS
M7.01	CONTROL DIAGRAMS
M7.02	CONTROL DIAGRAMS
M7.03	CONTROL DIAGRAMS

VENTILATION SYMBOL LIST

SYMBOL:	DESCRIPTION:
	DIRECTION OF AIR FLOW
	FLEXIBLE DUCT
	MANUAL VOLUME DAMPER
	RISE IN DIRECTION OF AIR FLOW
	DROP IN DIRECTION OF AIR FLOW
	DUCT CAP
	DUCT DOWN
	DUCT UP
	SUPPLY/OUTSIDE AIR DUCT SECTION
	RETURN AIR DUCT SECTION
	EXHAUST/RELIEF AIR DUCT SECTION
	4-WAY DIFFUSER WITH BLANKOFF IN ONE DIRECTION
	AIR TERMINAL PROPERTIES SYMBOL NECK SIZE/CFM
	TERMINAL AIR BOX (REFER TO SCHEDULE)
	TERMINAL AIR BOX w/REHEAT COIL (REFER TO SCHEDULE)
	OPPOSED BLADE DAMPER (REFER TO SCHEDULE)
	PARALLEL BLADE DAMPER (REFER TO SCHEDULE)
	DIFFERENTIAL PRESSURE SENSOR

PIPING SYMBOL LIST

SYMBOL:	DESCRIPTION:
	DRAIN
	NATURAL GAS
	GAS REGULATOR VENT
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	REFRIGERANT LIQUID
	REFRIGERANT SUCTION
	LAB VACUUM
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	DIELECTRIC CONNECTION
	UNION/FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	SOLENOID VALVE
	BALANCING VALVE (NUMBER INDICATES GPM)
	CONTROL VALVE (THREE-WAY)
	CONTROL VALVE (TWO-WAY)
	CHECK VALVE
	SOLENOID VALVE
	SAFETY/RELIEF VALVE
	PRESSURE REDUCING VALVE (LIQUID/GAS)
	TRIPLE DUTY VALVE (IN-LINE TYPE)
	"WYE" - STRAINER
	"WYE" - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP
	FLEXIBLE CONNECTION
	PRESSURE/TEMPERATURE TEST PLUG
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOOT/FOB
	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	SUCTION DIFFUSER WITH SUPPORT FOOT
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	DRAIN VALVE WITH HOSE CONNECTION AND CAP
	TEMPERATURE SENSOR WITH WELL
	THERMOMETER WITH WELL (DIAL TYPE)
	THERMOMETER WITH WELL (FILLED TYPE)
	FLOW METER
	METER
	THERMOSTAT/SENSOR
	THERMOSTAT/SENSOR w/HEAVY DUTY ENCLOSURE
	CARBON DIOXIDE SENSOR

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Block Design Firm Registration #184-08073
 PROJECT # 14-003.00

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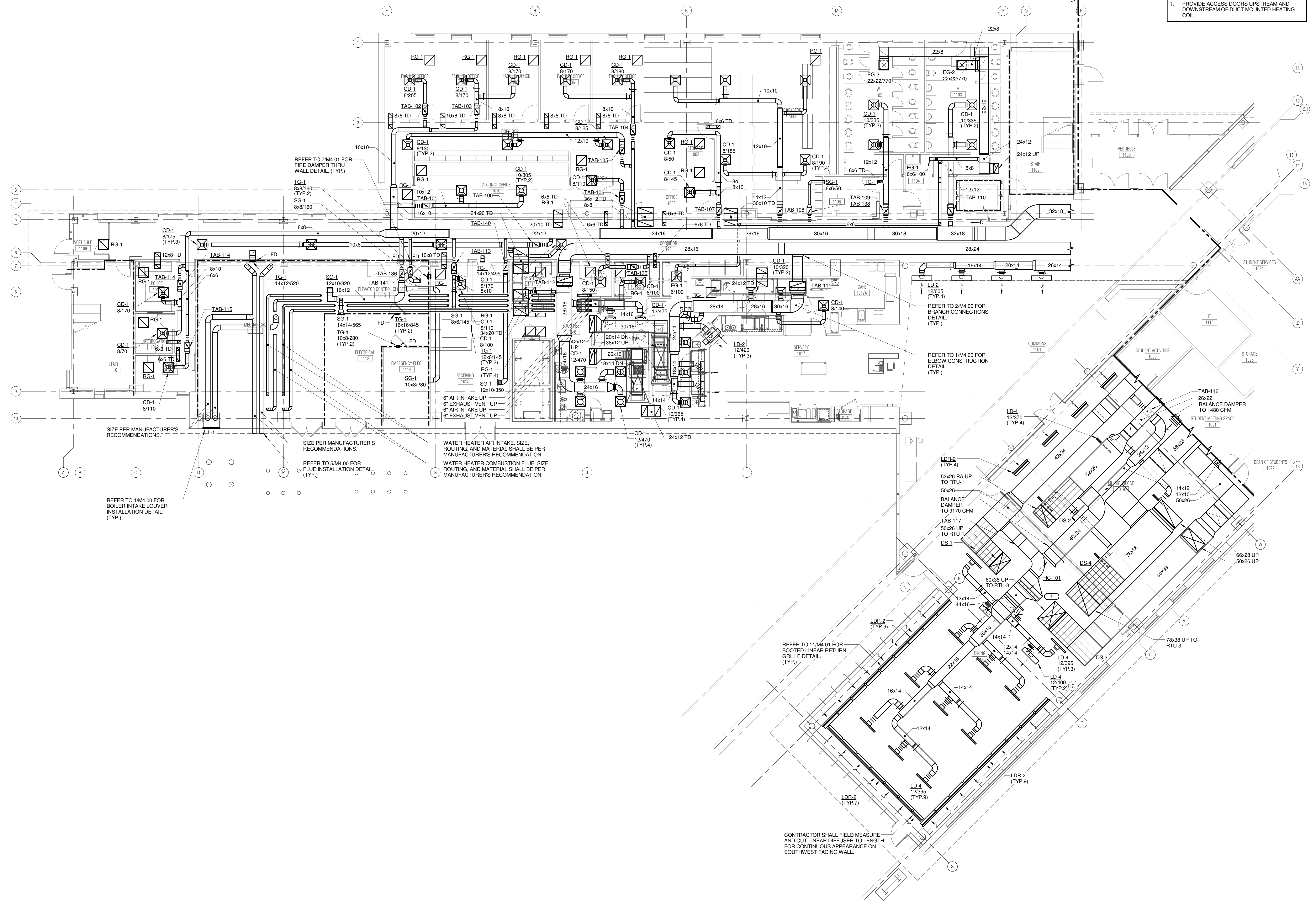
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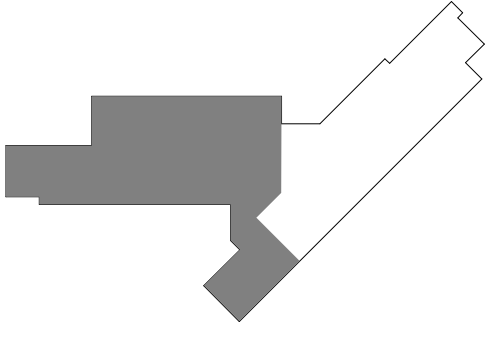
**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

- GENERAL VENTILATION NOTES:**
1. THE SIZE OF EACH BRANCH DUCT TO A TERMINAL AIR BOX (TAB) SHALL MATCH THE TAB'S INLET SIZE UNLESS THE BRANCH IS GREATER THAN 6 FEET IN LENGTH, THEN THE BRANCH SHOULD BE INCREASED ONE DUCT SIZE, OR AS NOTED OTHERWISE. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AND INSTALLED FOR ALL DUCT CONNECTIONS TO ROOFTOP UNITS.
 2. PROVIDE ACCESS DOORS UPSTREAM AND DOWNSTREAM OF DUCT MOUNTED HEATING COIL.
- KEYNOTES:**
1. PROVIDE ACCESS DOORS UPSTREAM AND DOWNSTREAM OF DUCT MOUNTED HEATING COIL.



1 LEVEL 1 PLAN - WEST - VENTILATION
 1/8" = 1'-0"

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - WEST - VENTILATION

SHEET NUMBER:

M1.11

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PROJECT # 14-005

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 P: 630.527.2320

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 200 E. HOWARD AVE., SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

GENERAL VENTILATION NOTES:
 1. THE SIZE OF EACH BRANCH DUCT TO A TERMINAL AIR BOX (TAB) SHALL MATCH THE TAB'S INLET SIZE UNLESS THE BRANCH IS GREATER THAN 6 FEET IN LENGTH, THEN THE BRANCH SHOULD BE INCREASED ONE DUCT SIZE, OR AS NOTED OTHERWISE.

KEYNOTES: #
 1. REFER TO 2.M1.12 FOR ALTERNATE BID #1 SCOPE.

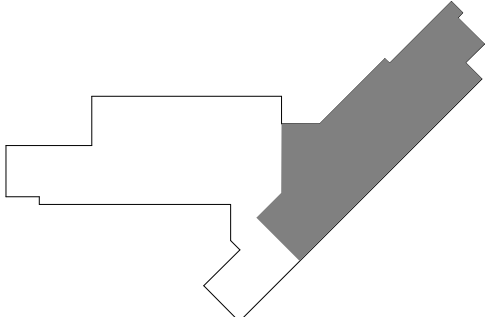


LEVEL 1 PLAN - ALT. BID 1 - VENTILATION
 1/8" = 1'-0"
 NOTES:
 1. ALTERNATE BID 1 IS NOT IN THE CONTRACT.

LEVEL 1 PLAN - EAST - VENTILATION
 1/8" = 1'-0"

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
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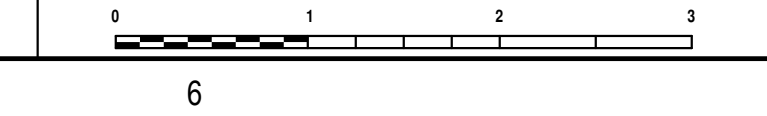
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SHEET TITLE:
LEVEL 1 PLAN - EAST - VENTILATION

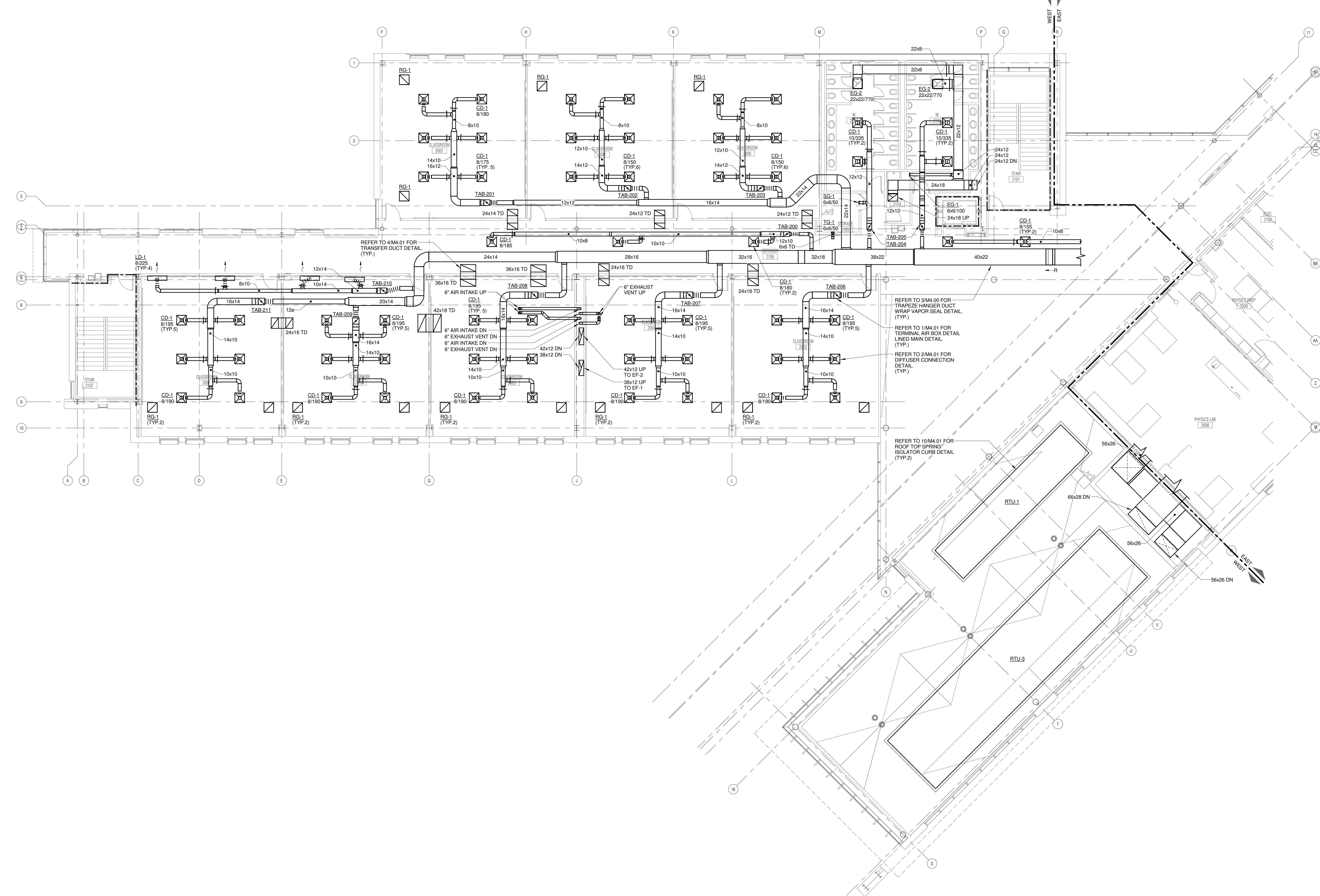
SHEET NUMBER:

M1.12

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 1. THE SIZE OF EACH BRANCH DUCT TO A TERMINAL AIR BOX (TAB) SHALL MATCH THE TAB'S INLET SIZE UNLESS THE BRANCH IS GREATER THAN 6 FEET IN LENGTH, THEN THE BRANCH SHOULD BE INCREASED ONE DUCT SIZE, OR AS NOTED OTHERWISE.



1 LEVEL 2 PLAN - WEST - VENTILATION
 1/8" = 1'-0"

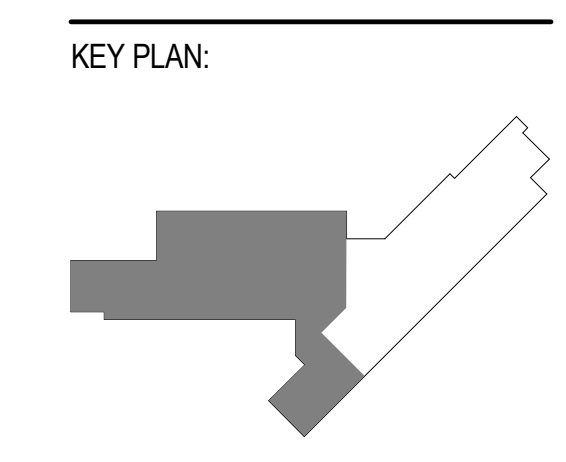


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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005



SHEET STATUS: 9/21/15
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SHEET TITLE:
LEVEL 2 PLAN - WEST - VENTILATION

SHEET NUMBER:
M1.21

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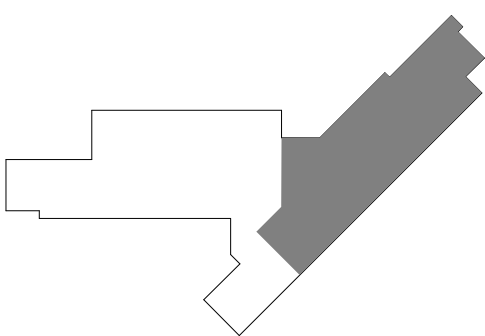
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

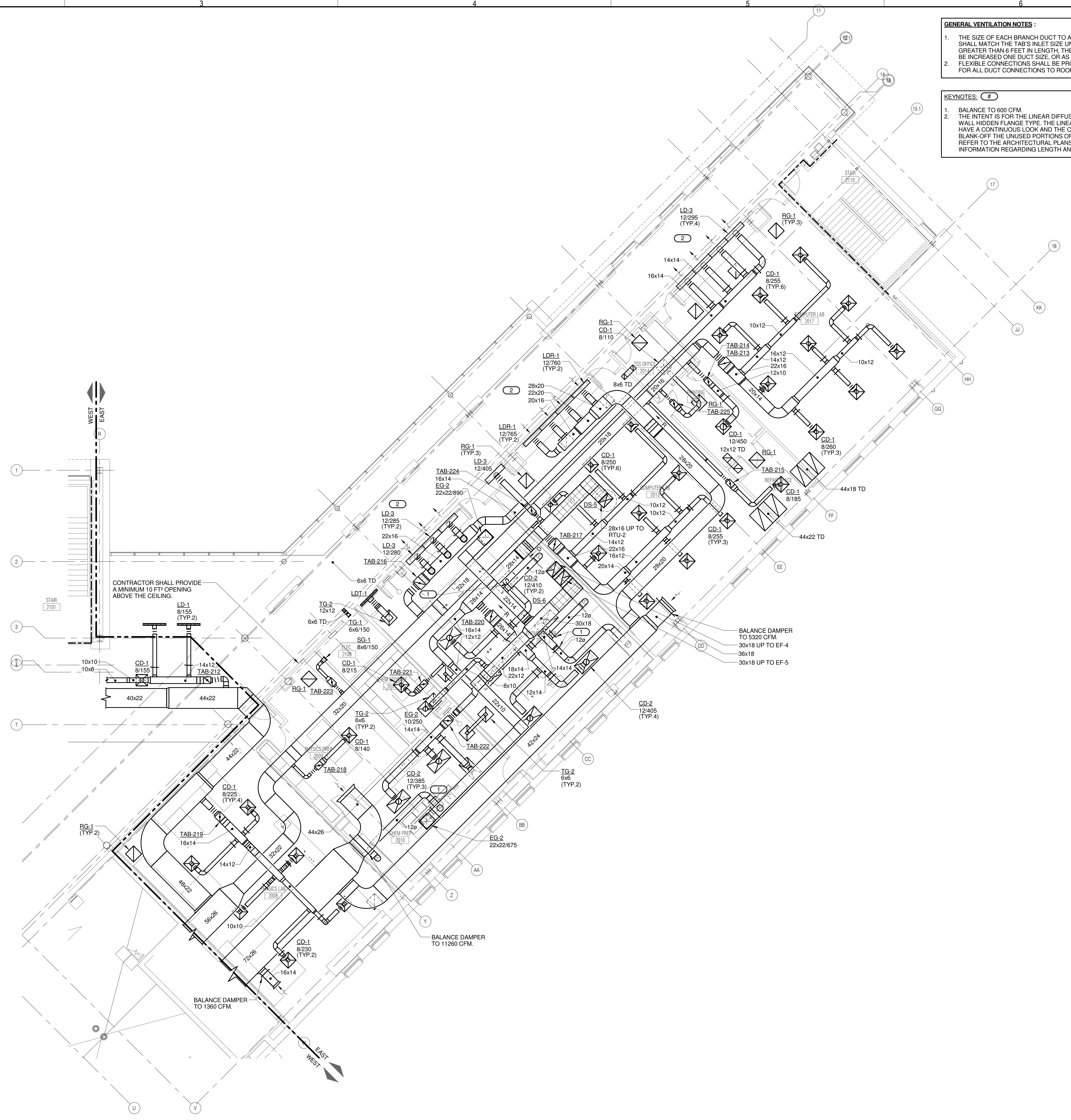
SHEET TITLE:
**LEVEL 2 PLAN - EAST
 - VENTILATION**

SHEET NUMBER:

M1.22

- GENERAL VENTILATION NOTES:**
1. THE SIZE OF EACH BRANCH DUCT TO A TERMINAL AIR BOX (TAB) SHALL MATCH THE TAB'S INLET SIZE UNLESS THE BRANCH IS GREATER THAN 6 FEET IN LENGTH. THEN THE BRANCH SHOULD BE INCREASED ONE DUCT SIZE, OR AS NOTED OTHERWISE. FLEXIBLE CONNECTIONS SHALL BE PROVIDED AND INSTALLED FOR ALL DUCT CONNECTIONS TO ROOFTOP UNITS.
 - 2.

- KEYNOTES:** (C)
1. BALANCE TO 600 CFM
 2. THE INTENT IS FOR THE LINEAR DIFFUSER TO BE THE SIDE-WALL HIDDEN FLANGE TYPE. THE LINEAR DIFFUSER IS TO HAVE A CONTINUOUS LOOK AND THE CONTRACTOR IS TO BLANK-OFF THE UNUSED PORTIONS OF THE LINEAR DIFFUSER. REFER TO THE ARCHITECTURAL PLANS FOR MORE INFORMATION REGARDING LENGTH AND ELEVATION.



LEVEL 2 PLAN - EAST - VENTILATION
 1/8" = 1'-0"

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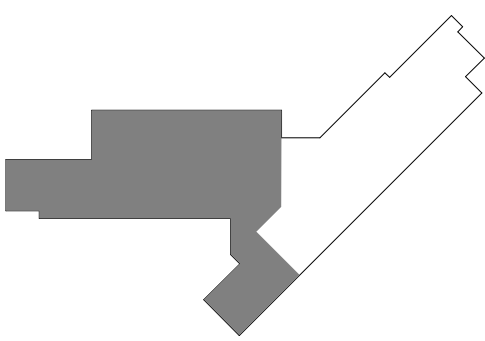
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**JOLIET JUNIOR COLLEGE
 ROMEVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

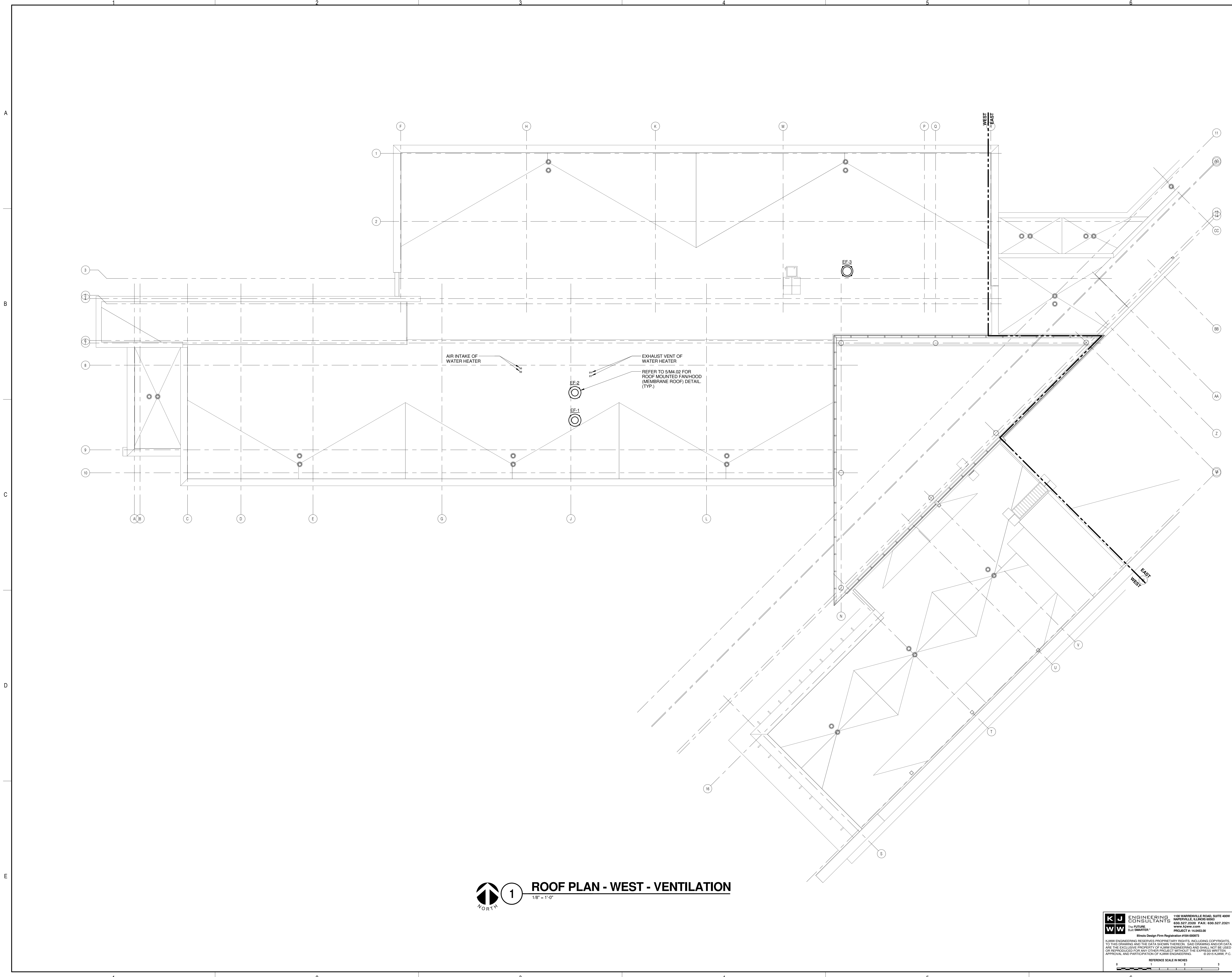


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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**ROOF PLAN - WEST -
 VENTILATION**

SHEET NUMBER:
M1.31



1 ROOF PLAN - WEST - VENTILATION
 1/8" = 1'-0"

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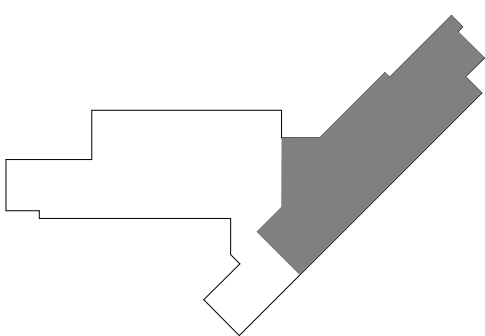
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



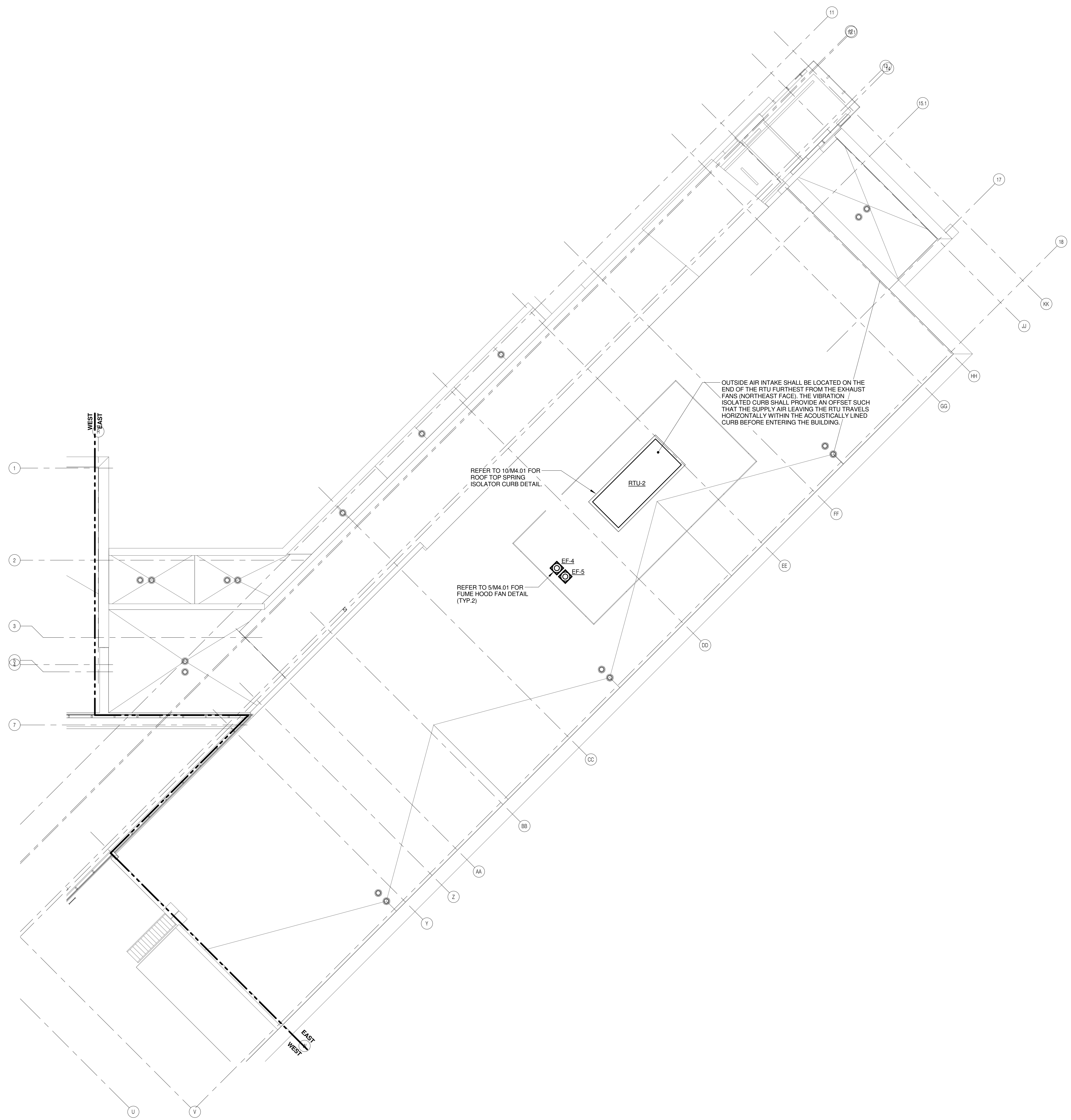
SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**ROOF PLAN - EAST -
 VENTILATION**

SHEET NUMBER:

M1.32



1

ROOF PLAN - EAST - VENTILATION

1/8" = 1'-0"

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PROJECT # 14-005.00
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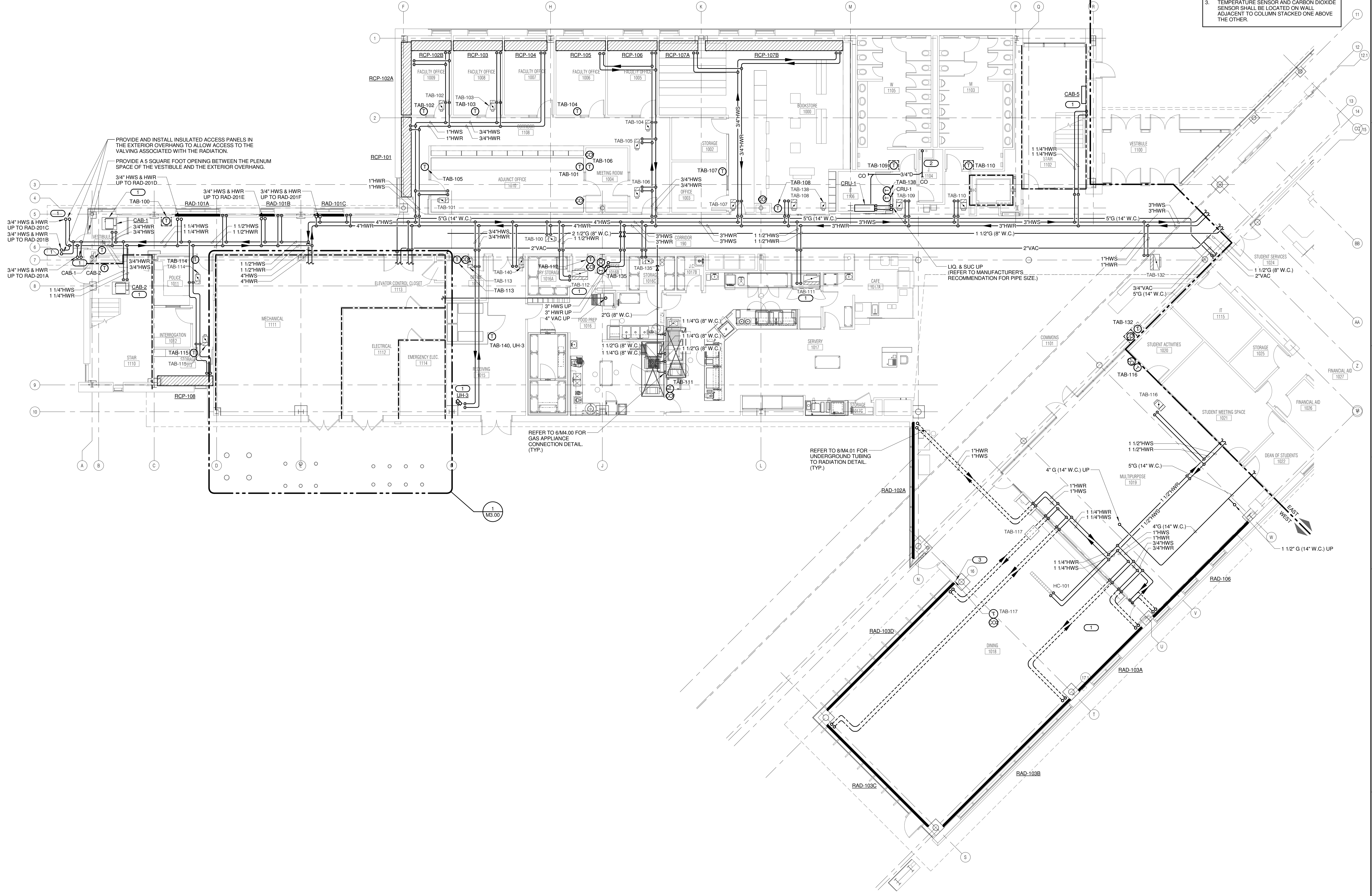
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 DES PLAINES, IL 60018
 P: 847.298.0088

GENERAL HEATING NOTES :

1. THE SIZE OF BRANCH PIPING TO TERMINAL HEATING DEVICES AND COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
2. INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING AND SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.

KEYNOTES:

1. LOCATION OF HWS/HWR 3-WAY CONTROL VALVE REFER TO M6.00 FOR MORE INFORMATION.
2. ROUTE 3/4"D TO MOP BASIN AND TERMINATE 6" ABOVE RIM.
3. TEMPERATURE SENSOR AND CARBON DIOXIDE SENSOR SHALL BE LOCATED ON WALL ADJACENT TO COLUMN STACKED ONE ABOVE THE OTHER.



PROVIDE AND INSTALL INSULATED ACCESS PANELS IN THE EXTERIOR OVERHANG TO ALLOW ACCESS TO THE VALVING ASSOCIATED WITH THE RADIATION.
 PROVIDE A 5 SQUARE FOOT OPENING BETWEEN THE PLENUM SPACE OF THE VESTIBULE AND THE EXTERIOR OVERHANG.

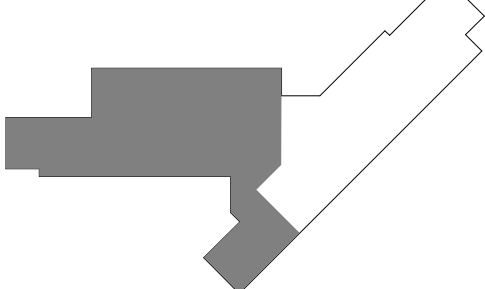
REFER TO 6M4.00 FOR GAS APPLIANCE CONNECTION DETAIL (TYP.)

REFER TO 6M4.01 FOR UNDERGROUND TUBING TO RADIATION DETAIL (TYP.)

LEVEL 1 PLAN - WEST - PIPING
 1/8" = 1'-0"

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - WEST - PIPING

SHEET NUMBER:
M2.11

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 NAPERVILLE, IL 60563
 630.527.2320 FAX: 630.527.2321
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 PROJECT # 14-005.00

KJWW ENGINEERING PRESIDENT: JAMES W. WELLS
 VICE PRESIDENT: JAMES W. WELLS
 ENGINEER: JAMES W. WELLS
 DESIGNER: JAMES W. WELLS
 1100 WARRENVILLE ROAD, SUITE 400W
 NAPERVILLE, IL 60563
 630.527.2320 FAX: 630.527.2321
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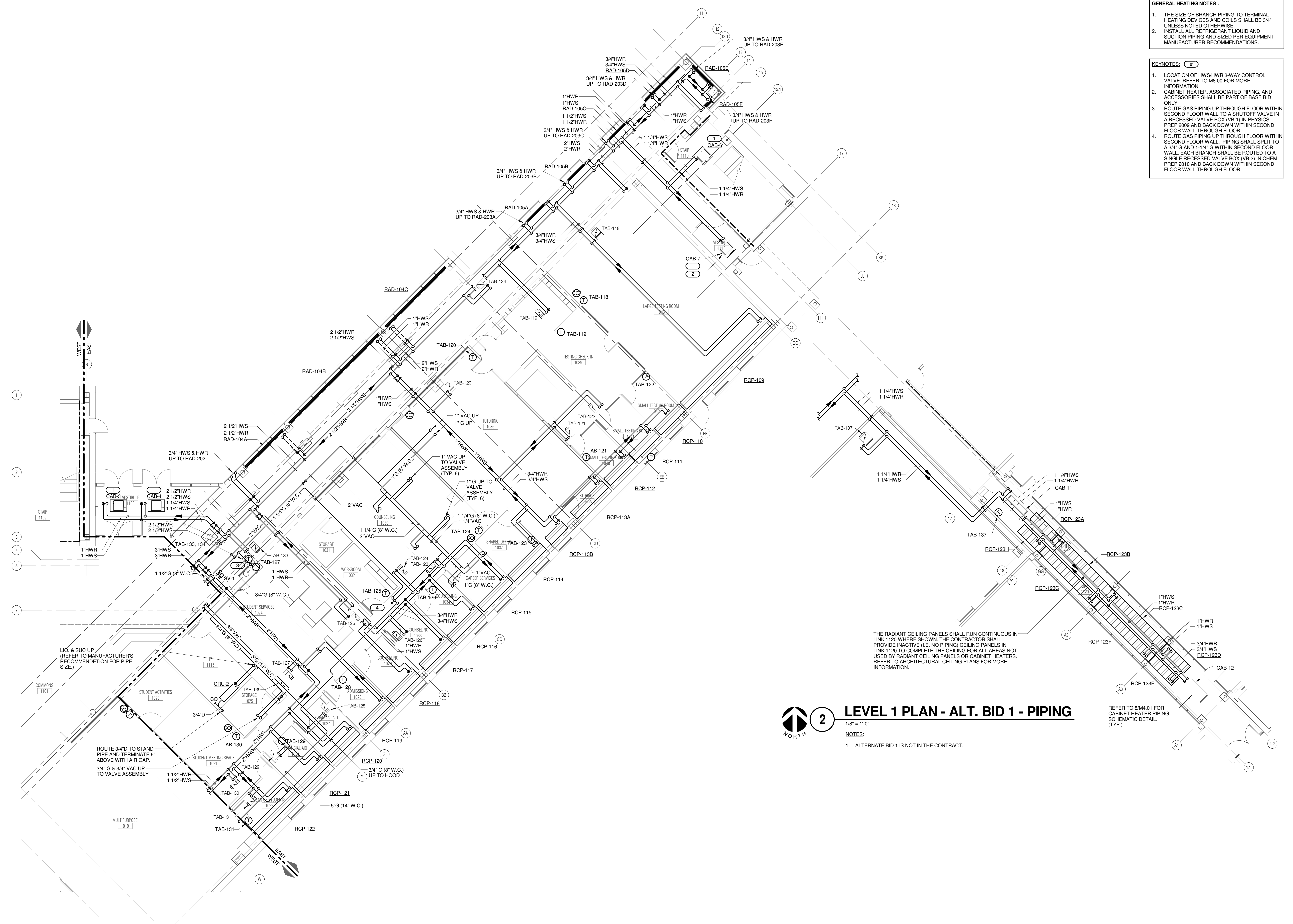
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 P: 847.238.0068

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

- GENERAL HEATING NOTES :**
1. THE SIZE OF BRANCH PIPING TO TERMINAL HEATING DEVICES AND COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
 2. INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING AND SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.
- KEYNOTES: (#)**
1. LOCATION OF HWS/HWR 3-WAY CONTROL VALVE. REFER TO M8.00 FOR MORE INFORMATION.
 2. CABINET HEATER, ASSOCIATED PIPING, AND ACCESSORIES SHALL BE PART OF BASE BID ONLY.
 3. ROUTE GAS PIPING UP THROUGH FLOOR WITHIN SECOND FLOOR WALL TO A SHUTOFF VALVE IN A RECESSED VALVE BOX (VB-1) IN PHYSICS PREP 2009 AND BACK DOWN WITHIN SECOND FLOOR WALL THROUGH FLOOR.
 4. ROUTE GAS PIPING UP THROUGH FLOOR WITHIN SECOND FLOOR WALL. PIPING SHALL SPLIT TO A 3/4" G AND 1-1/4" G WITHIN SECOND FLOOR WALL. EACH BRANCH SHALL BE ROUTED TO A SINGLE RECESSED VALVE BOX (VB-2) IN CHEM PREP 2010 AND BACK DOWN WITHIN SECOND FLOOR WALL THROUGH FLOOR.

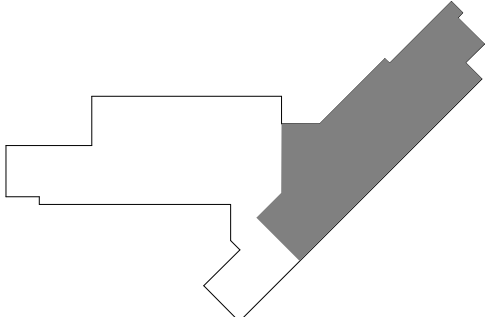


THE RADIANT CEILING PANELS SHALL RUN CONTINUOUS IN-LINK 1120 WHERE SHOWN. THE CONTRACTOR SHALL PROVIDE INACTIVE (I.E. NO PIPING) CEILING PANELS IN LINK 1120 TO COMPLETE THE CEILING FOR ALL AREAS NOT USED BY RADIANT CEILING PANELS OR CABINET HEATERS. REFER TO ARCHITECTURAL CEILING PLANS FOR MORE INFORMATION.

2 LEVEL 1 PLAN - ALT. BID 1 - PIPING
 1/8" = 1'-0"
 NOTES:
 1. ALTERNATE BID 1 IS NOT IN THE CONTRACT.

1 LEVEL 1 PLAN - EAST - PIPING
 1/8" = 1'-0"

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - EAST - PIPING

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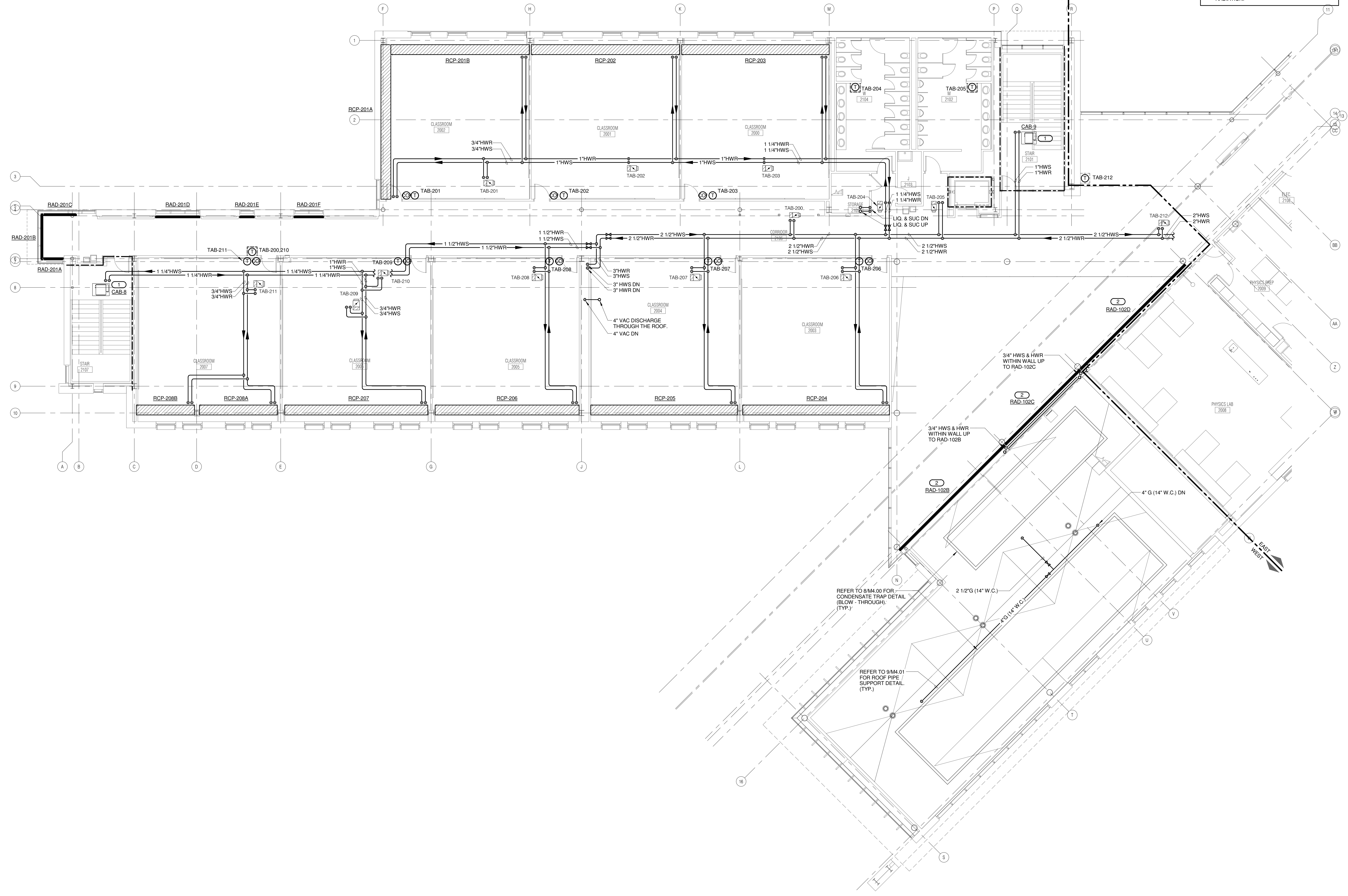


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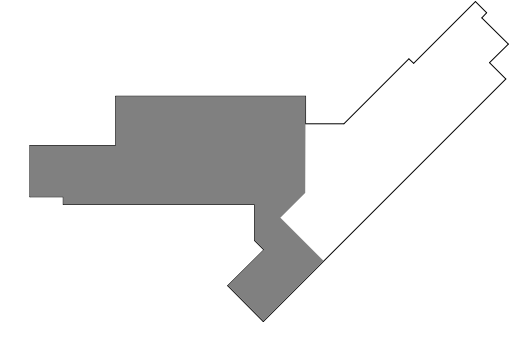
- GENERAL HEATING NOTES:**
1. THE SIZE OF BRANCH PIPING TO TERMINAL HEATING DEVICES AND COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
 2. INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING AND SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.
- KEYNOTES: #**
1. LOCATION OF HW/SHWR 3-WAY CONTROL VALVE REFER TO M2.00 FOR MORE INFORMATION.
 2. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION/ELEVATION OF PANEL RADIATION.



1 LEVEL 2 PLAN - WEST - PIPING
 1/8" = 1'-0"

JOLIET JUNIOR COLLEGE
ROMEOWILLE CAMPUS EXPANSION
 1125 135th ST. ROMEOWILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 2 PLAN - WEST - PIPING

SHEET NUMBER:

M2.21

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THE REGISTERED PROFESSIONAL ENGINEER
 PROJECT # 14-0433-00
 Illinois Design Firm Registration #14-00077

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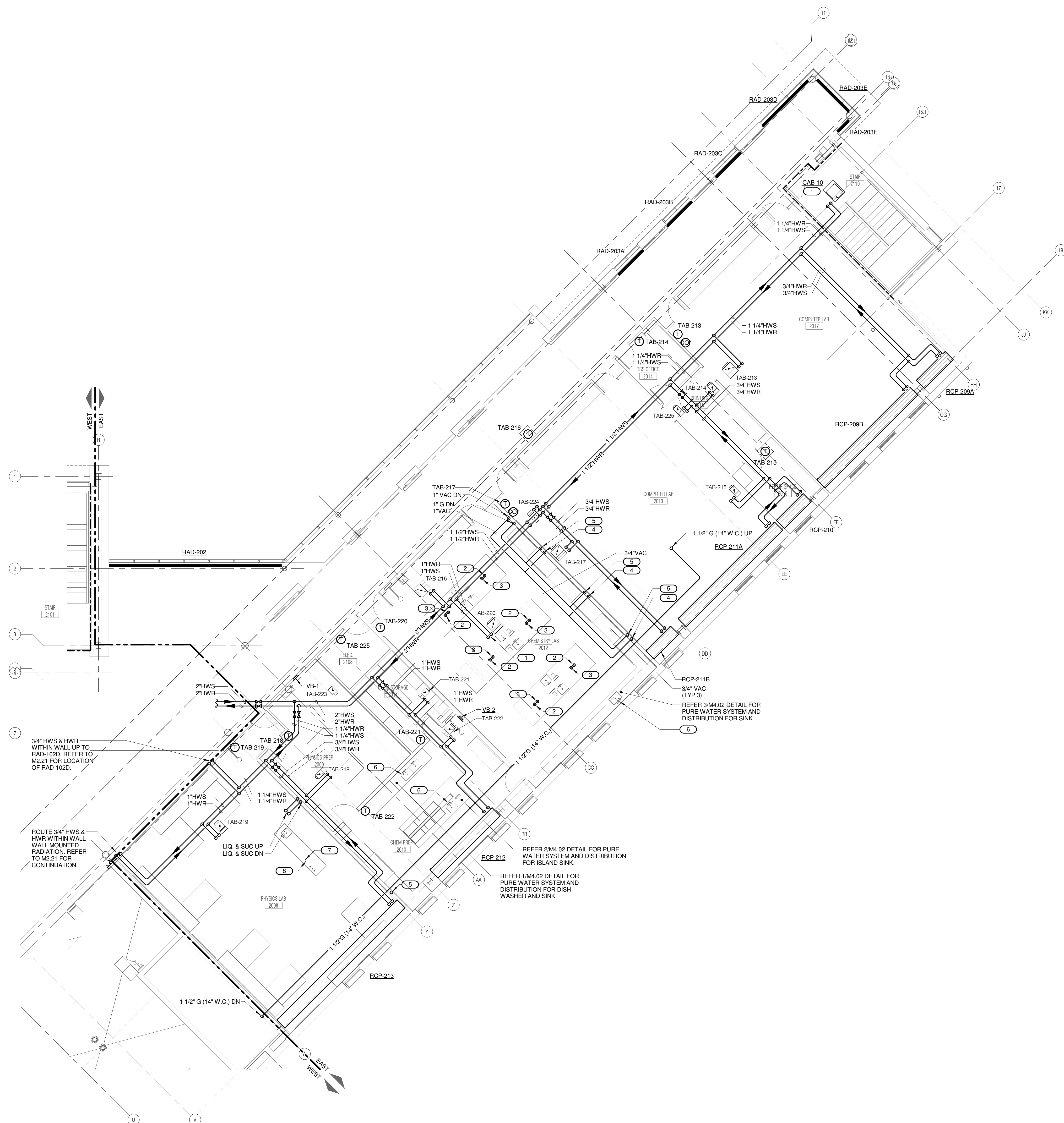
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GENERAL HEATING NOTES:

1. THE SIZE OF BRANCH PIPING TO TERMINAL HEATING DEVICES AND COILS SHALL BE 3/4" UNLESS NOTED OTHERWISE.
2. INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING AND SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS. CONTRACTOR SHALL PROVIDE AND INSTALL ALL PIPING REQUIRED TO CONNECT TO FUME HOOD FIXTURE INLET/OUTLET INCLUDING PIPING WITHIN FUME HOOD.

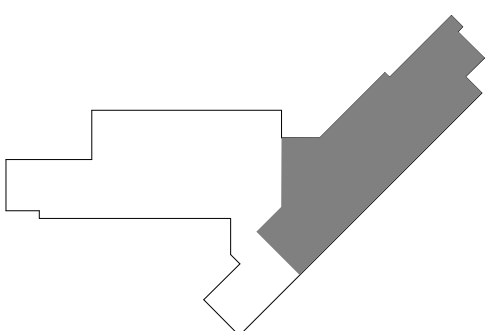
KEYNOTES:

1. LOCATION OF HWS/HWR 3-WAY CONTROL VALVE. REFER TO M6.00 FOR MORE INFORMATION.
2. ROUTE 1" VAC PIPING AND MAKE FINAL CONNECTION TO VACUUM INLET FIXTURE (PROVIDED AND INSTALLED BY OTHERS).
3. ROUTE 1" G PIPING AND MAKE FINAL CONNECTION TO GAS OUTLET FIXTURE (PROVIDED AND INSTALLED BY OTHERS).
4. ROUTE 3/4" VAC PIPING AND MAKE FINAL CONNECTION TO FUME HOOD (PROVIDED AND INSTALLED BY OTHERS).
5. ROUTE 3/4" G PIPING AND MAKE FINAL CONNECTION TO FUME HOOD (PROVIDED AND INSTALLED BY OTHERS).
6. CONTRACTOR SHALL PROVIDE FINAL CONNECTION TO PURE WATER OUTLET. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.
7. ROUTE 3/4" VAC PIPING AND MAKE FINAL CONNECTION TO VACUUM INLET FIXTURE (PROVIDED AND INSTALLED BY OTHERS).
8. ROUTE 3/4" G PIPING AND MAKE FINAL CONNECTION TO GAS OUTLET FIXTURE (PROVIDED AND INSTALLED BY OTHERS).



JOLIET JUNIOR COLLEGE
ROMEOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

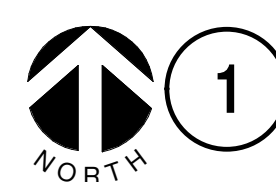


SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 2 PLAN - EAST - PIPING

SHEET NUMBER:
M2.22



LEVEL 2 PLAN - EAST - PIPING

1/8" = 1'-0"

KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE ROAD, SUITE 400W
 NAPERVILLE, IL 60563
 630.527.2320 FAX: 630.527.2321
 WWW.KJWW.COM

THE REGISTERED PROFESSIONAL ENGINEER
 PROJECT # 14-005-00
 Illinois Design Firm Registration #18-00077

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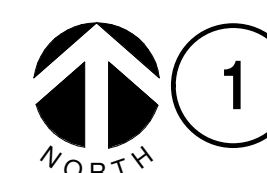
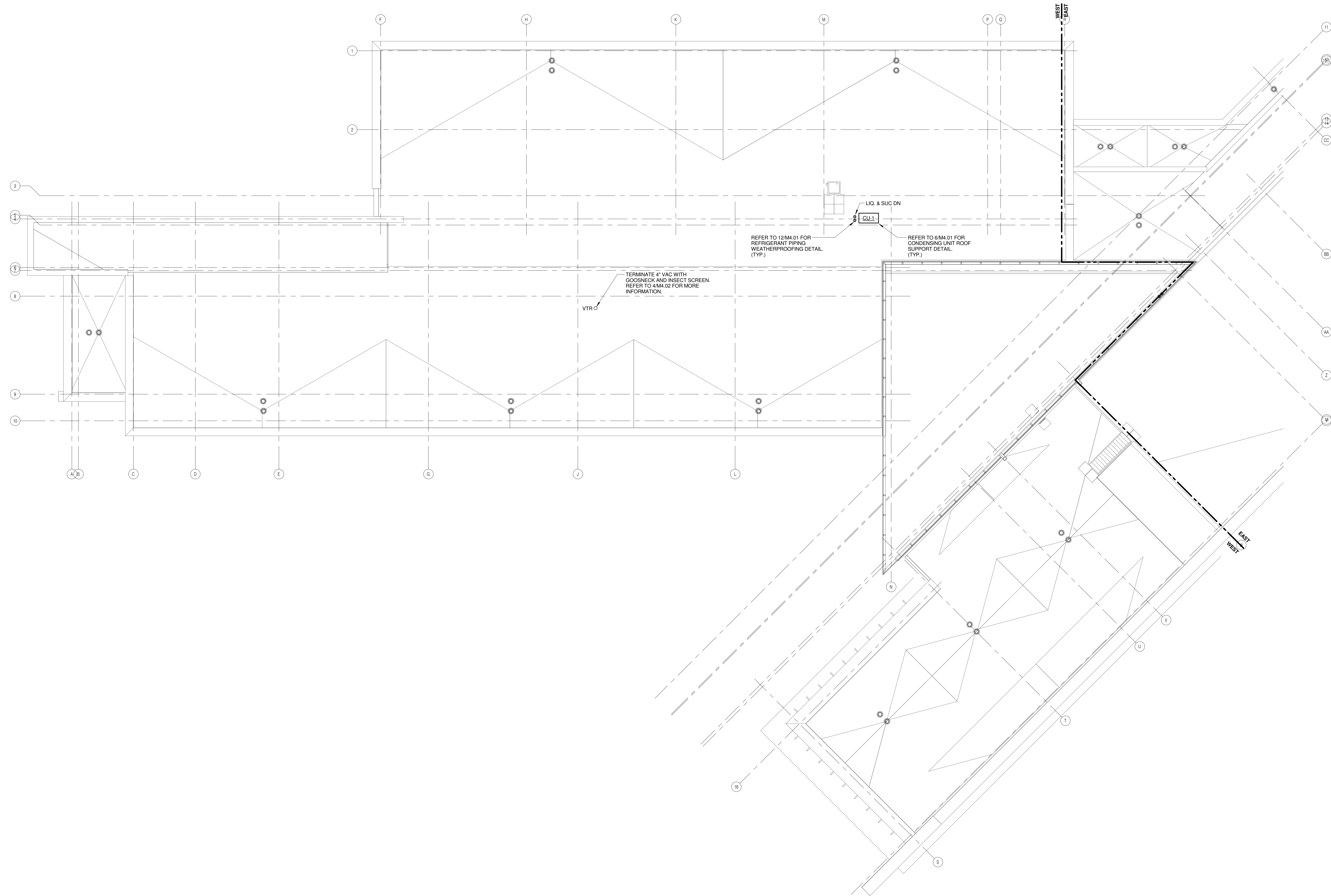
ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD., SUITE 400W
 NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE., SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

**JOLIET JUNIOR COLLEGE
 ROMEVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEVILLE, IL 60446
 DKA PROJECT NO: 14-005

GENERAL HEATING NOTES:
 1. INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING AND SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.



1 ROOF PLAN - WEST - PIPING

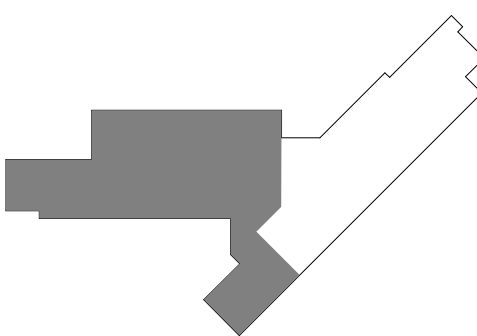
1/8" = 1'-0"

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 1100 WARRENVILLE ROAD, SUITE 400W
 NAPERVILLE, IL 60563
 630.527.2320 FAX: 630.527.2321
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 PROJECT # 14-005-00
 Illinois Design Firm Registration #14-005-0073

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REFERENCE SCALE IN INCHES
 0 1 2 3

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ROOF PLAN - WEST - PIPING

SHEET NUMBER:
M2.31

GENERAL HEATING NOTES:
 1. INSTALL ALL REFRIGERANT LIQUID AND SUCTION PIPING AND SIZED PER EQUIPMENT MANUFACTURER RECOMMENDATIONS.



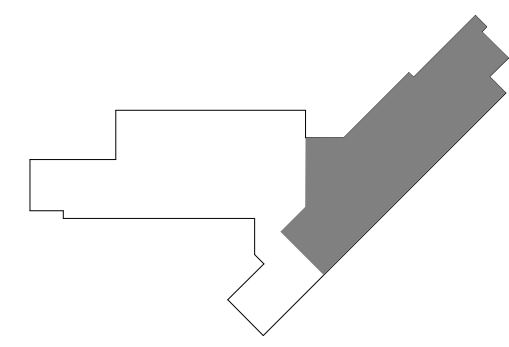
ARCHITECT OF RECORD
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



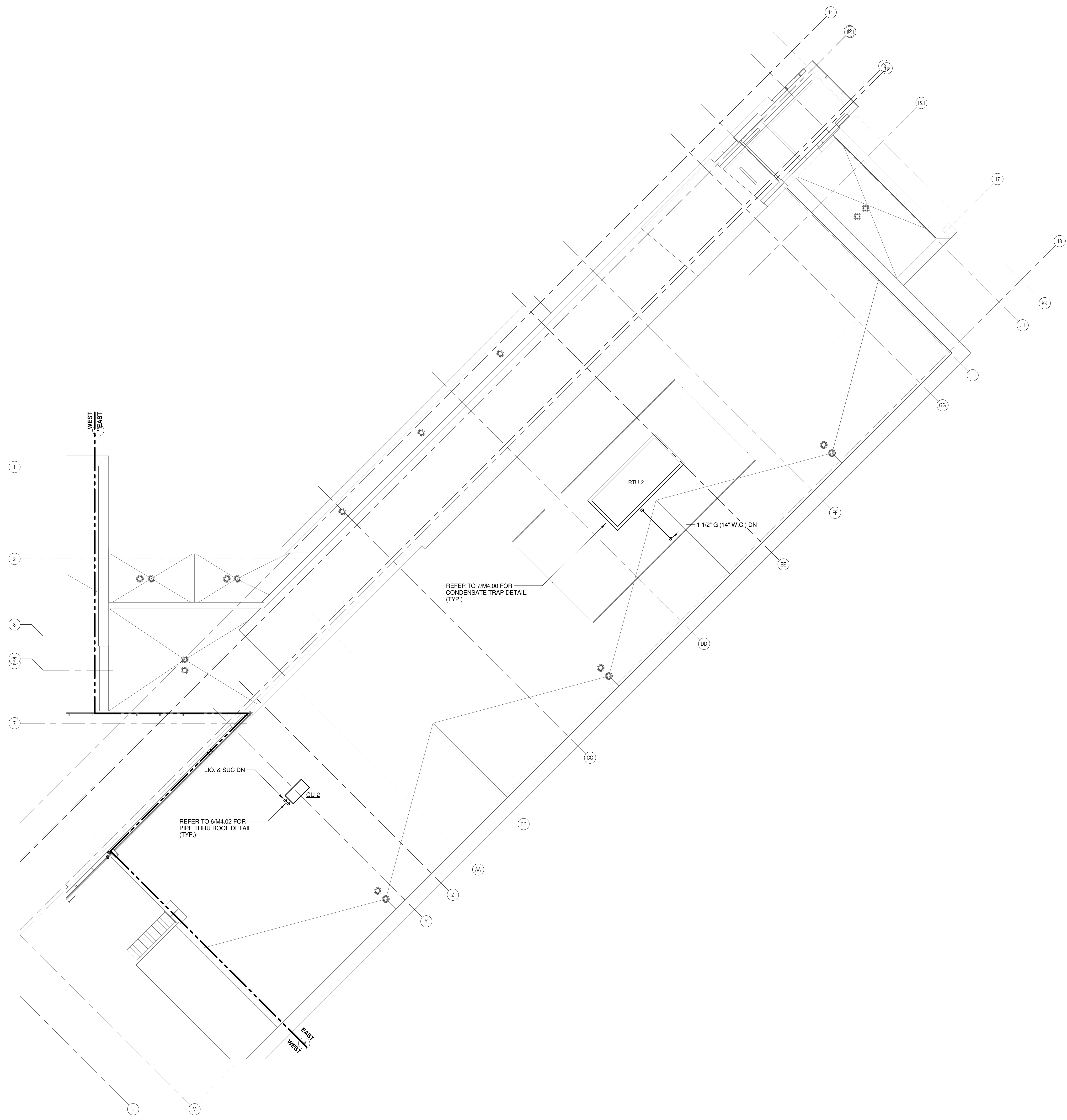
SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**ROOF PLAN - EAST -
 PIPING**

SHEET NUMBER:

M2.32



1 ROOF PLAN - EAST - PIPING
 1/8" = 1'-0"

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 PROJECT # 14-005.00
 DESIGNER: [Signature]
 CHECKER: [Signature]
 DATE: 9/21/15

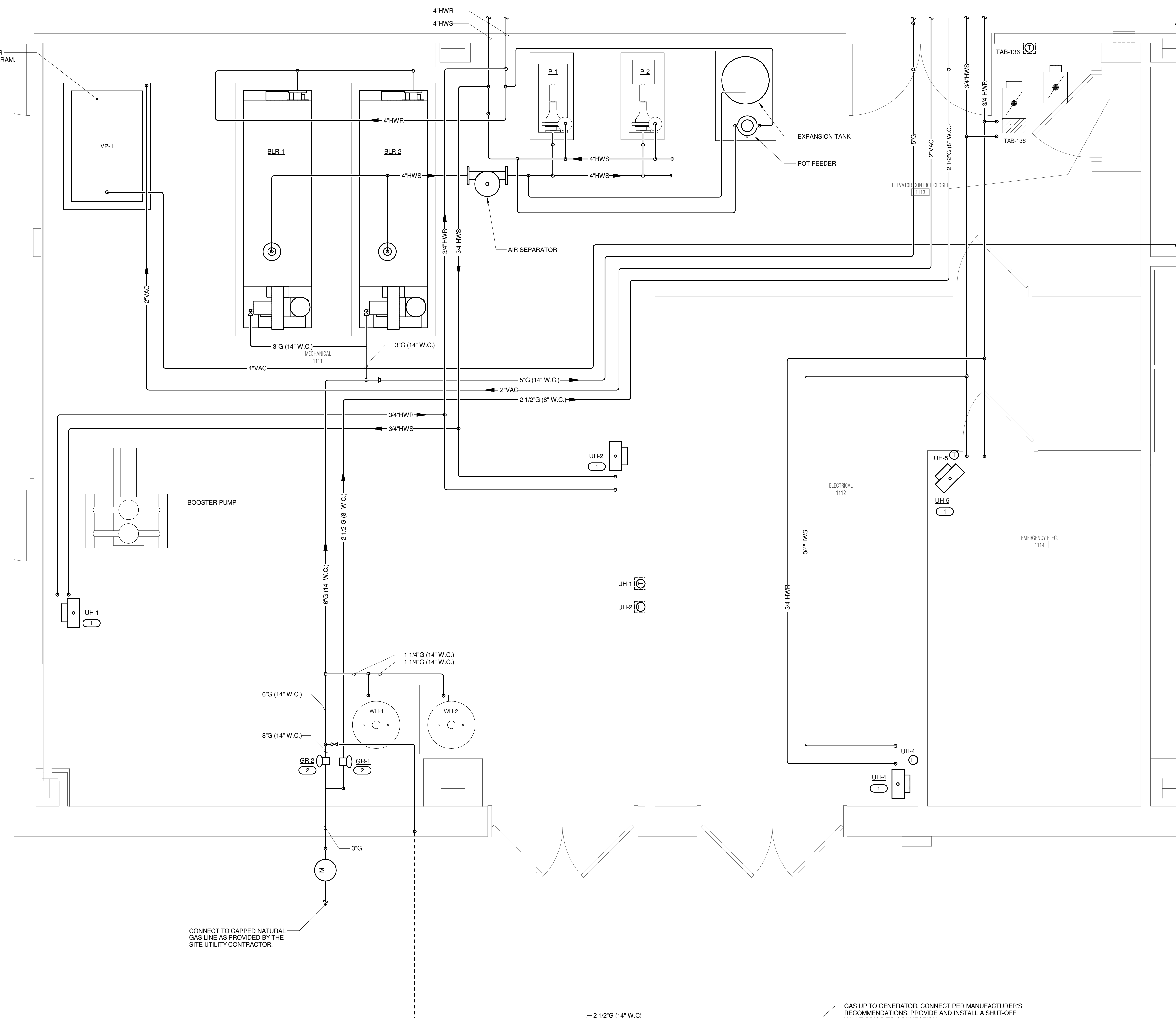
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KEYNOTES:

1. LOCATION OF HWS/HWR 3-WAY CONTROL VALVE. REFER TO 1142.00 FOR MORE INFORMATION.
2. ROUTE RELIEF VENT FROM GAS REGULATOR TO THE ROOF PER MANUFACTURER'S RECOMMENDATIONS.

REFER TO 414.02 FOR VACUUM FLOW DIAGRAM.



CONNECT TO CAPPED NATURAL GAS LINE AS PROVIDED BY THE SITE UTILITY CONTRACTOR.

GAS UP TO GENERATOR. CONNECT PER MANUFACTURER'S RECOMMENDATIONS. PROVIDE AND INSTALL A SHUT-OFF VALVE PRIOR TO CONNECTION.



1 ENLARGED MECHANICAL PLAN - MECHANICAL ROOM

1/2" = 1'-0"

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JOLIET JUNIOR COLLEGE
ROMEONVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEONVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

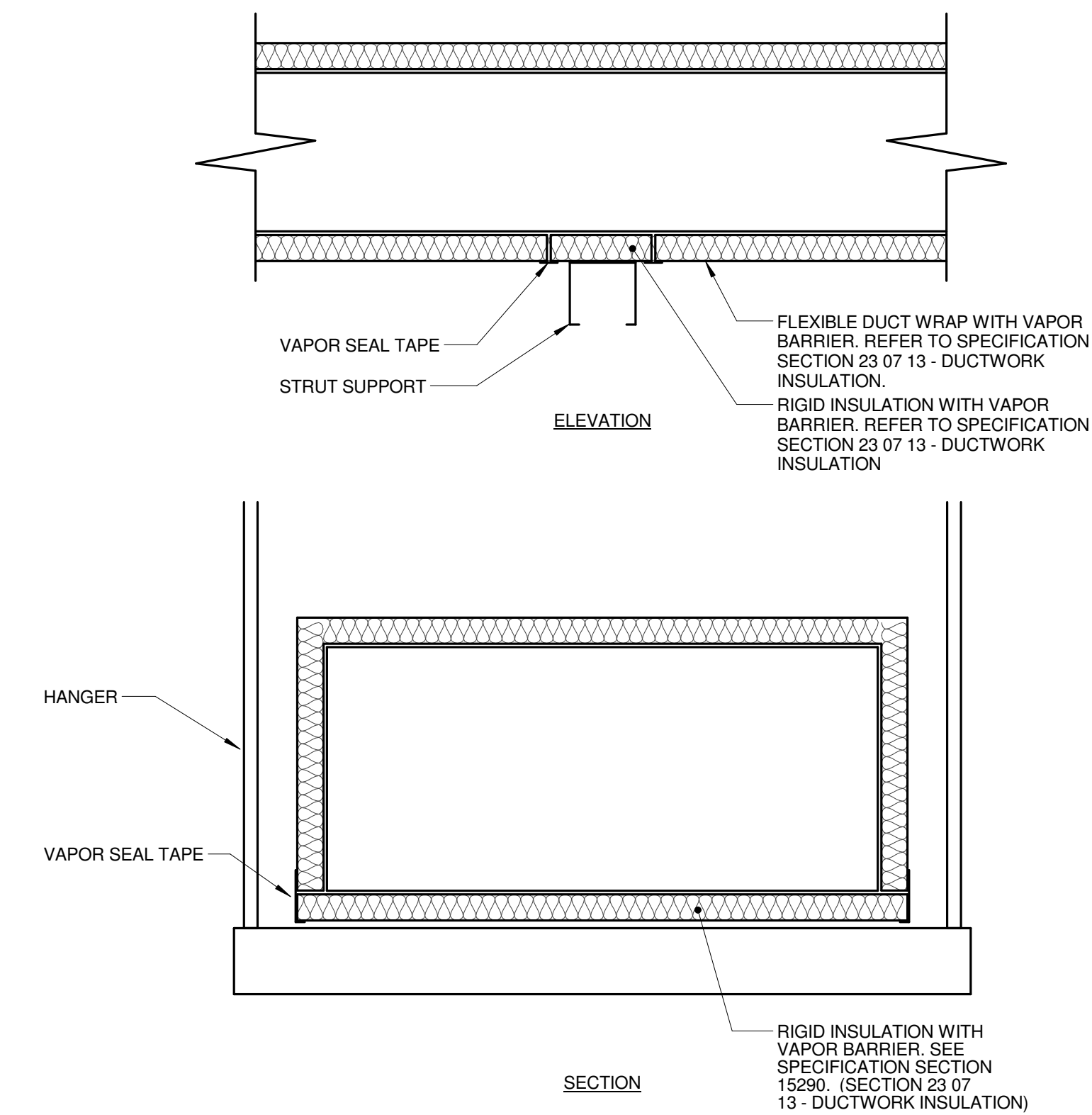
NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ENLARGED PLANS
MECHANICAL

SHEET NUMBER:

M3.00

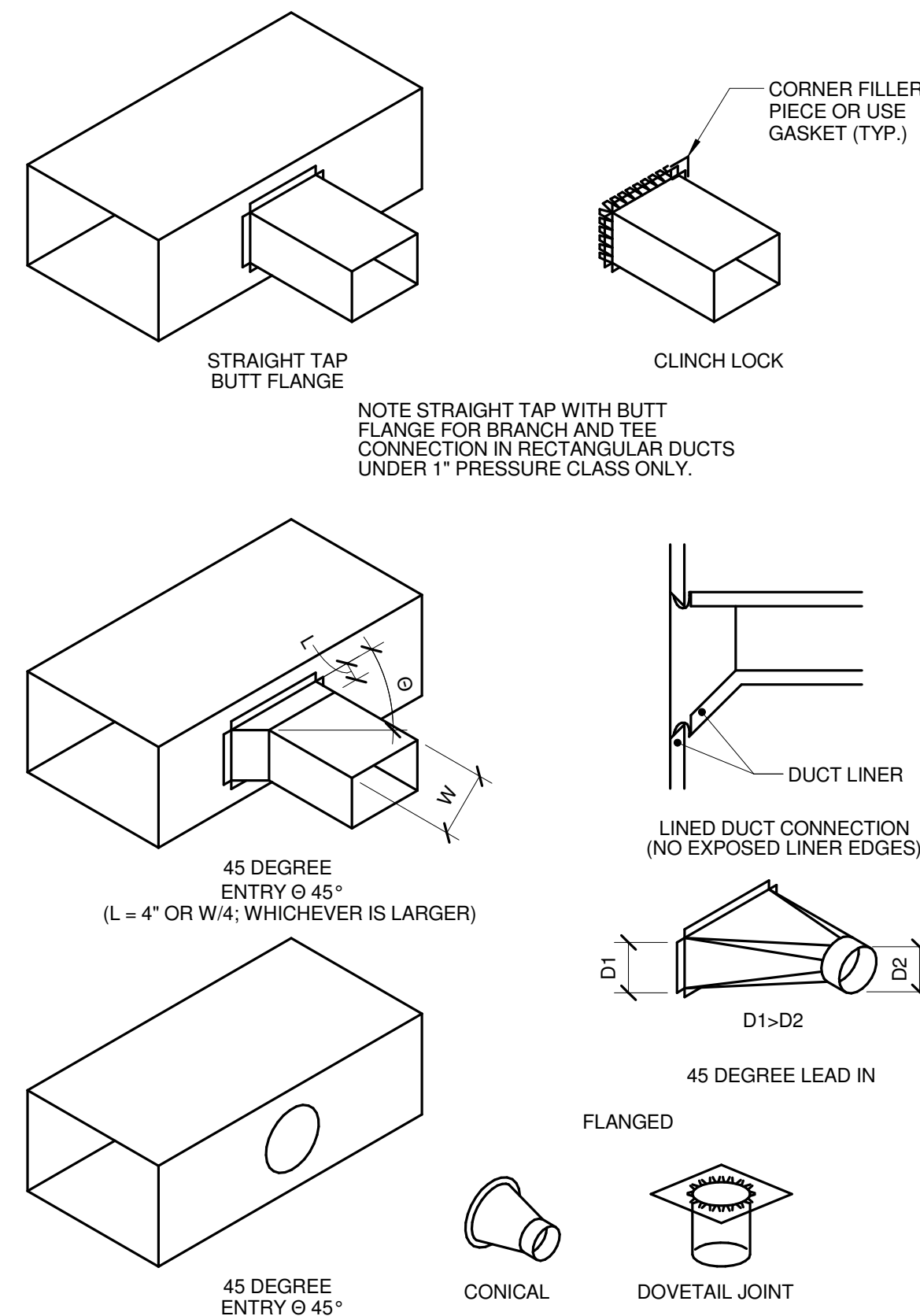
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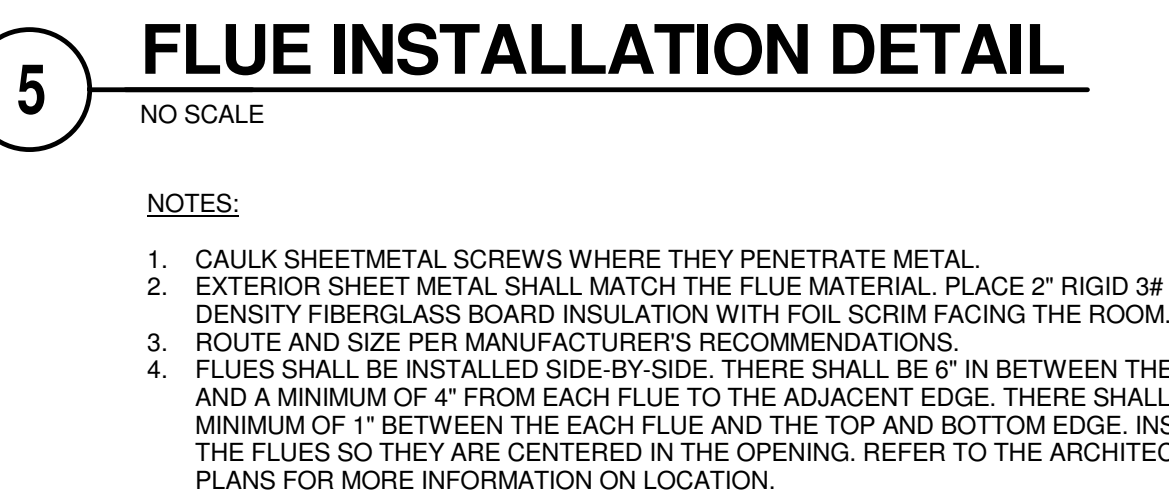
3 TRAPEZE HANGER DUCT WRAP VAPOR SEAL
 NO SCALE



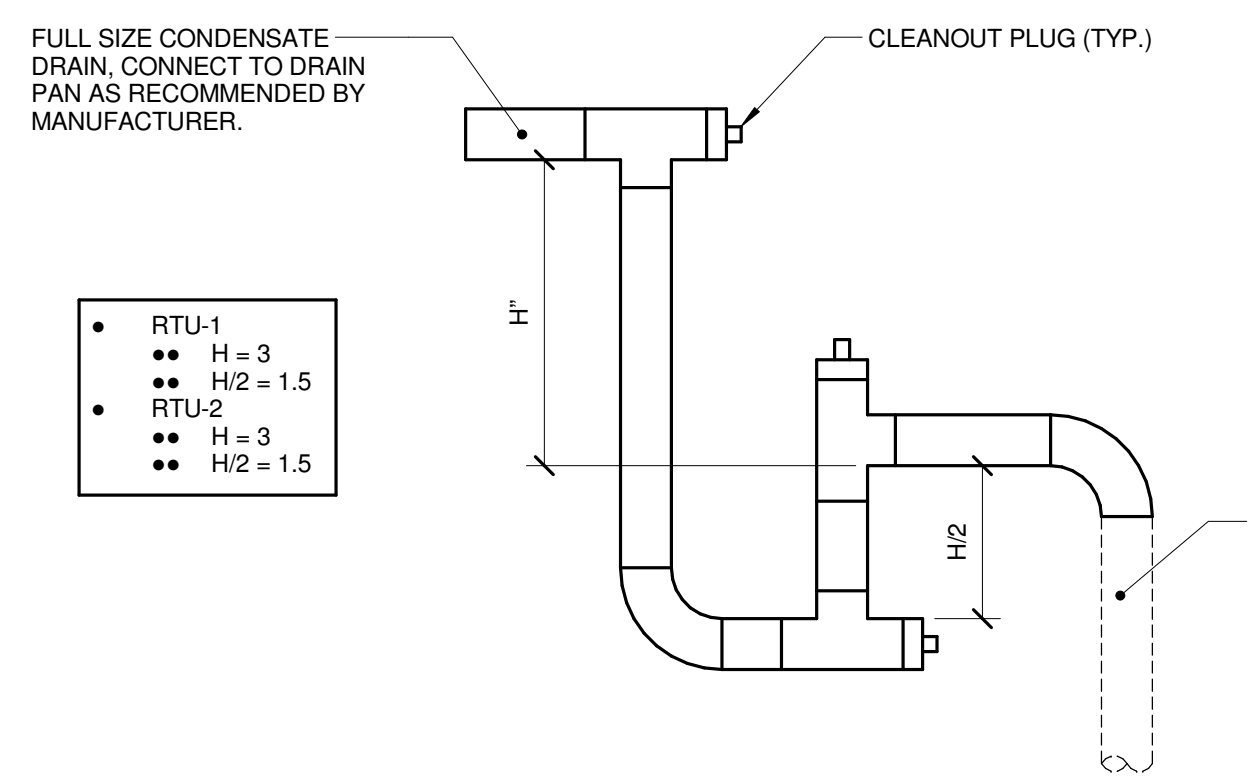
6 GAS APPLIANCE CONNECTION DETAIL
 NO SCALE



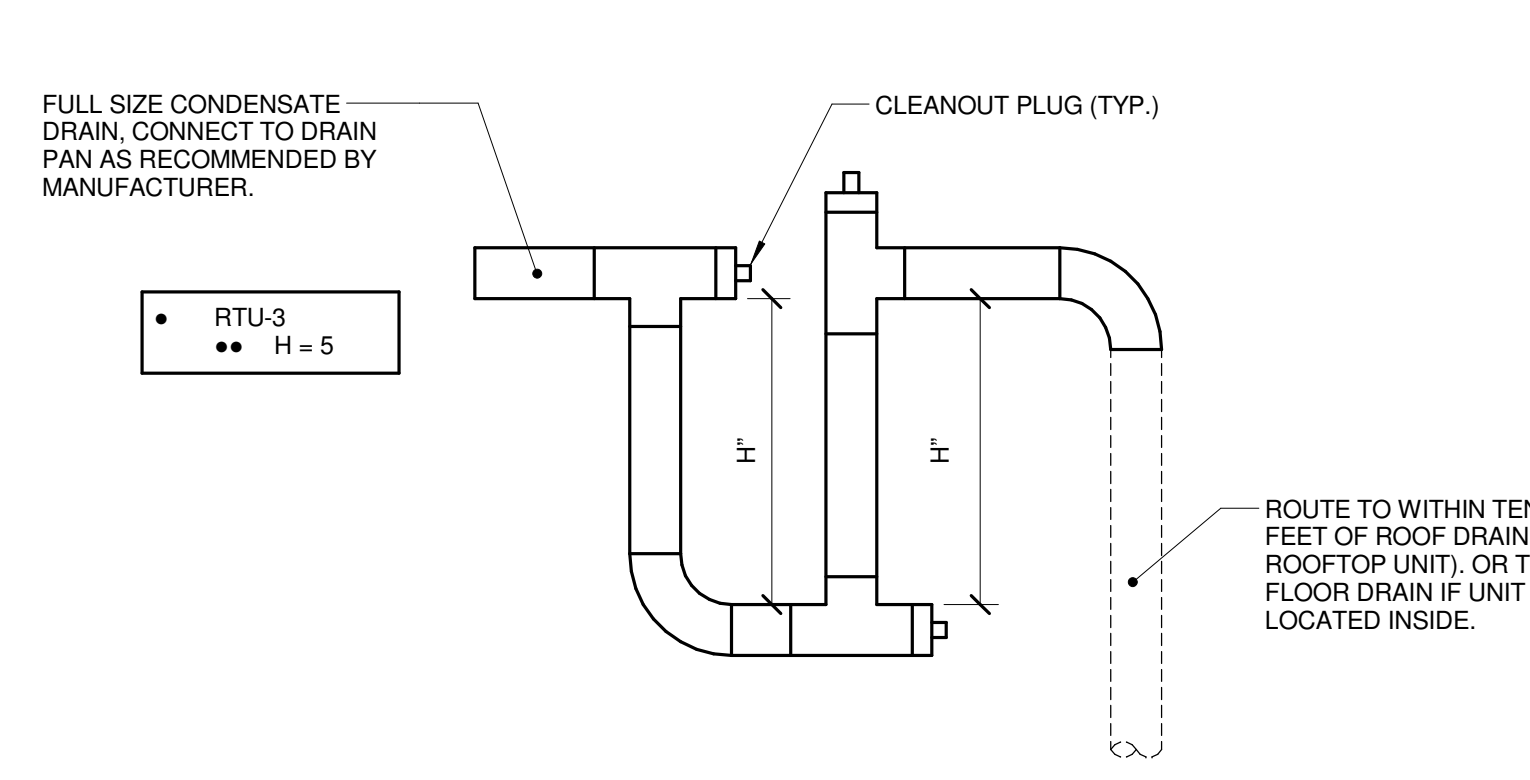
2 BRANCH CONNECTIONS
 NO SCALE



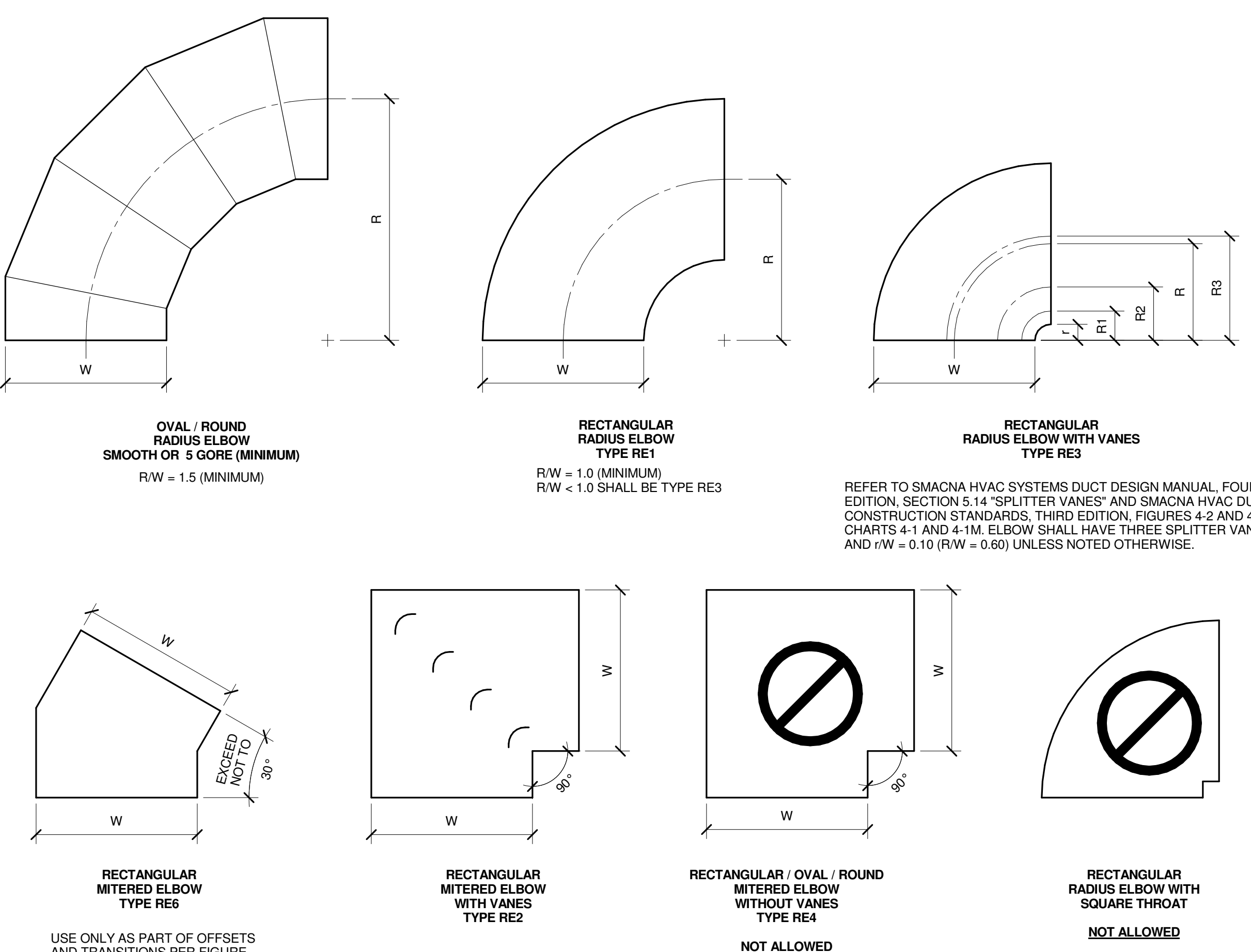
5 FLUE INSTALLATION DETAIL
 NO SCALE



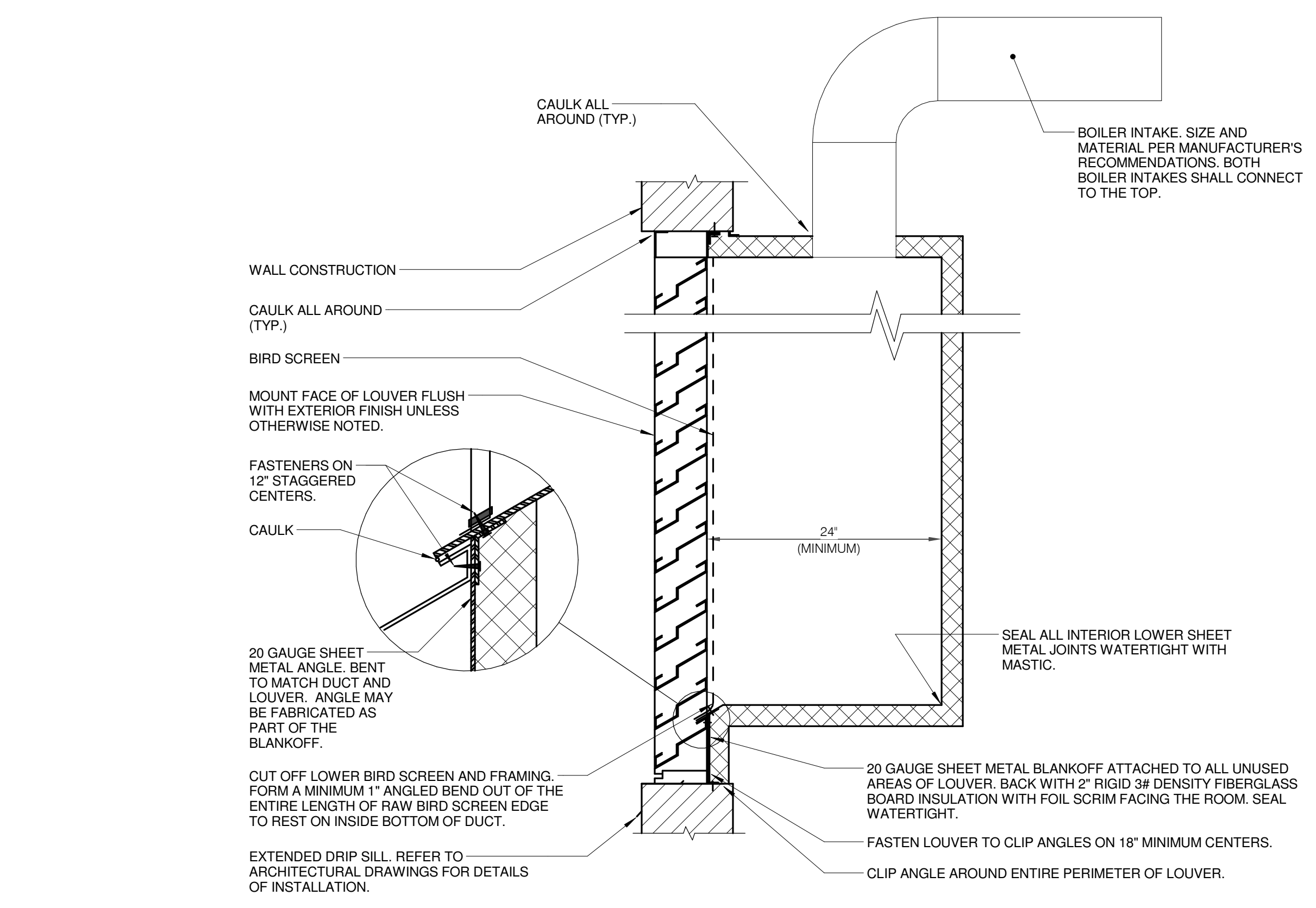
7 CONDENSATE TRAP DETAIL (DRAW-THROUGH)
 NO SCALE



8 CONDENSATE TRAP DETAIL (BLOW-THROUGH)
 NO SCALE



1 ELBOW CONSTRUCTION
 NO SCALE

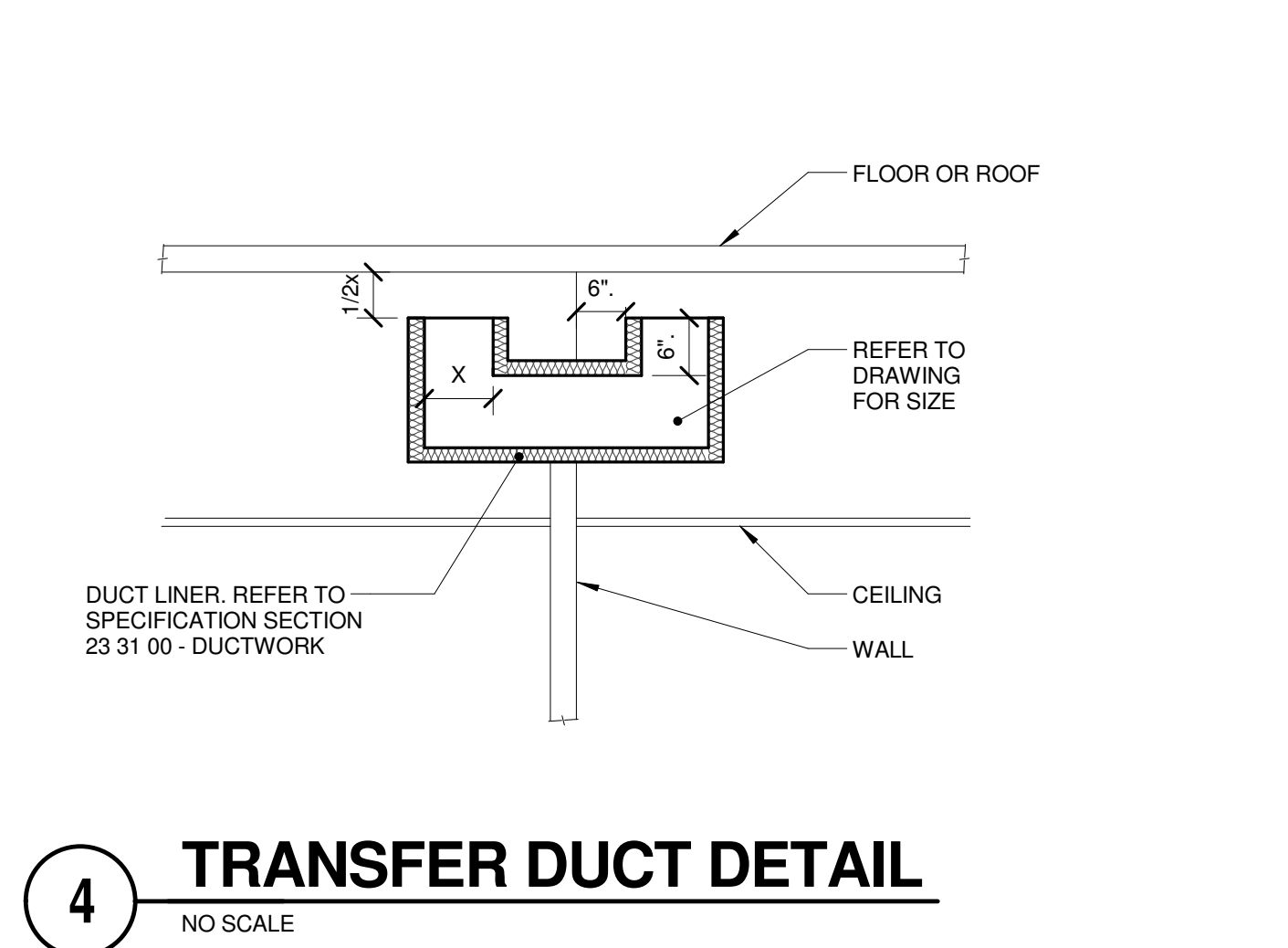


4 BOILER INTAKE LOUVER INSTALLATION DETAIL
 NO SCALE

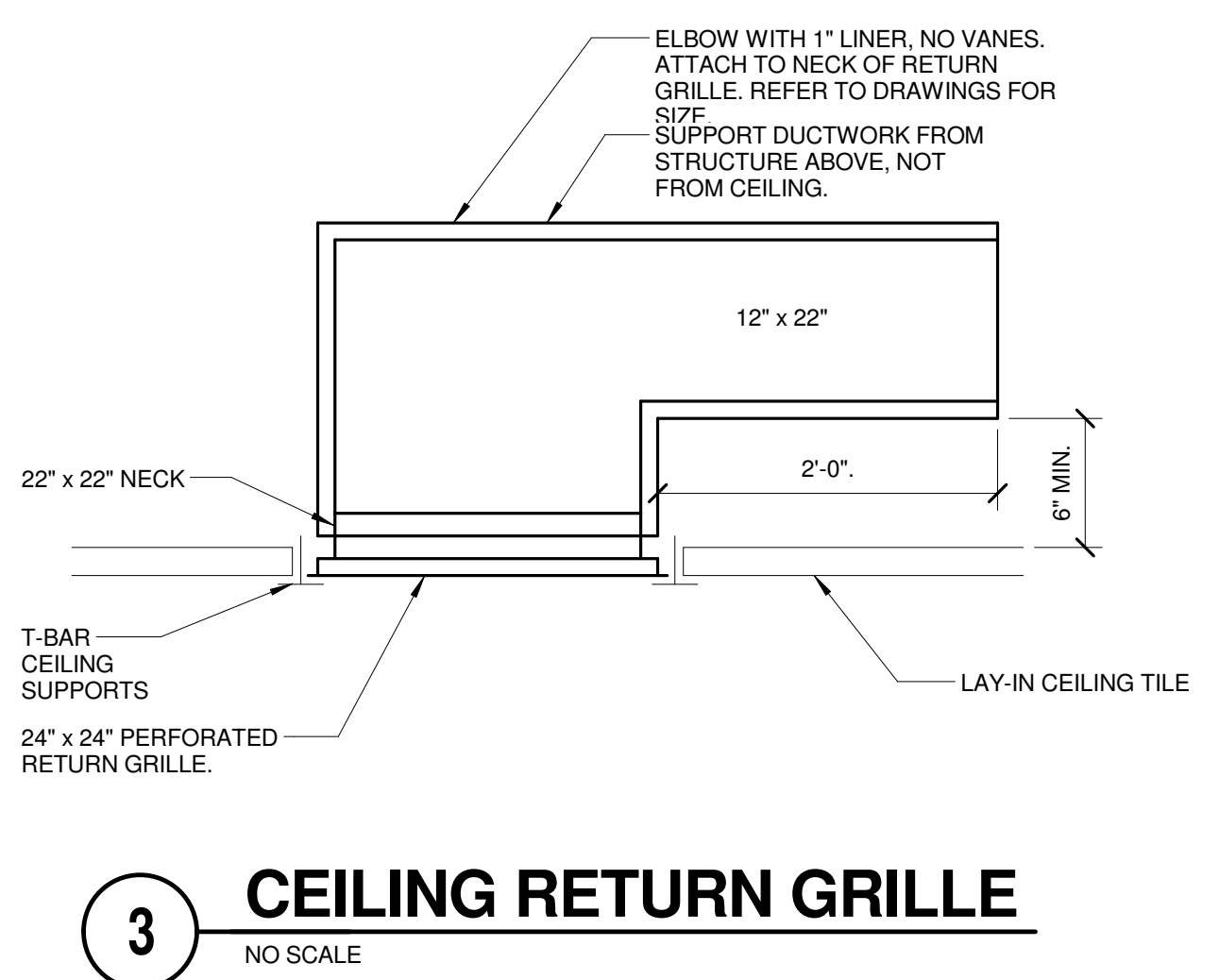


4 BOILER INTAKE LOUVER INSTALLATION DETAIL
 NO SCALE

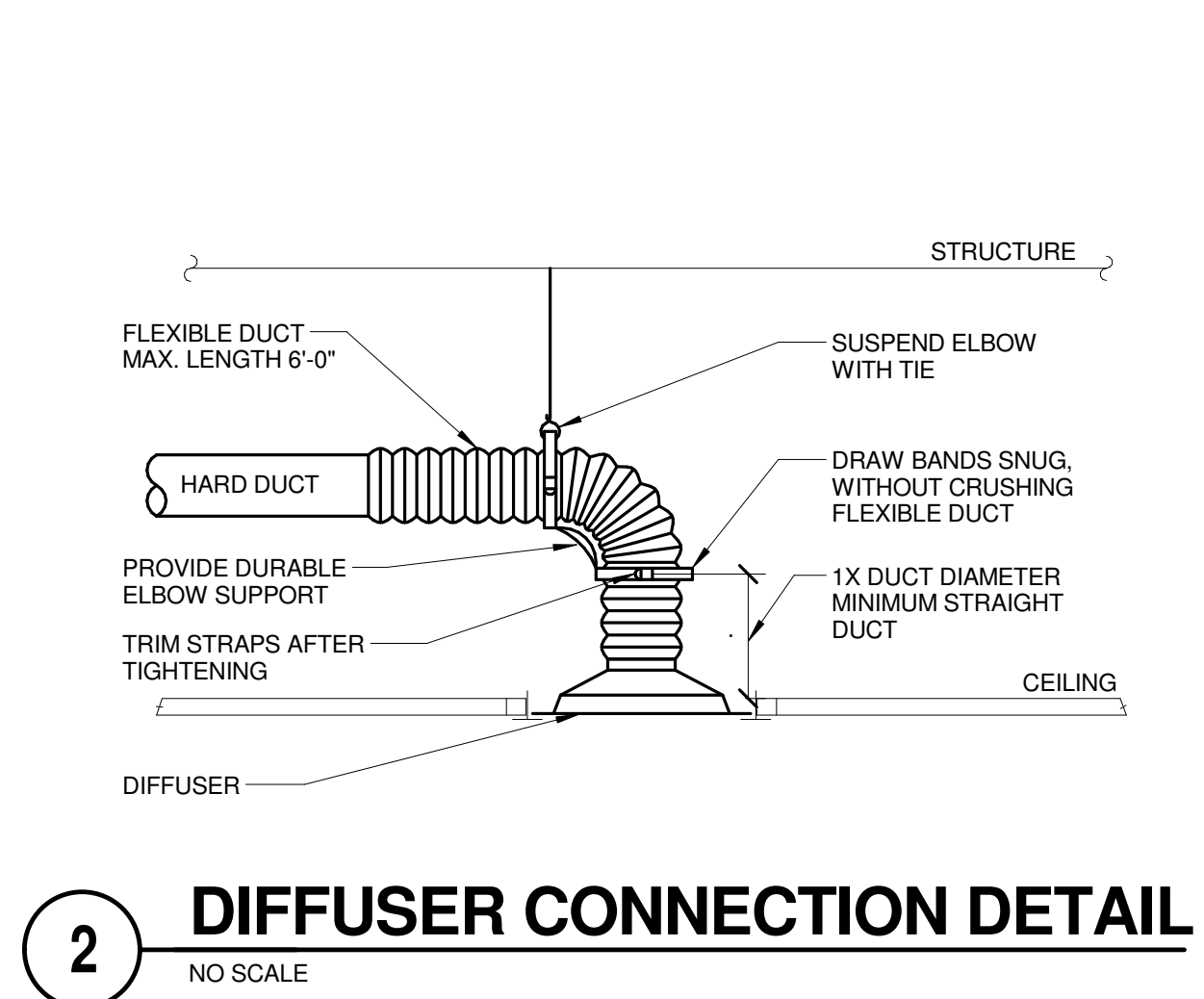
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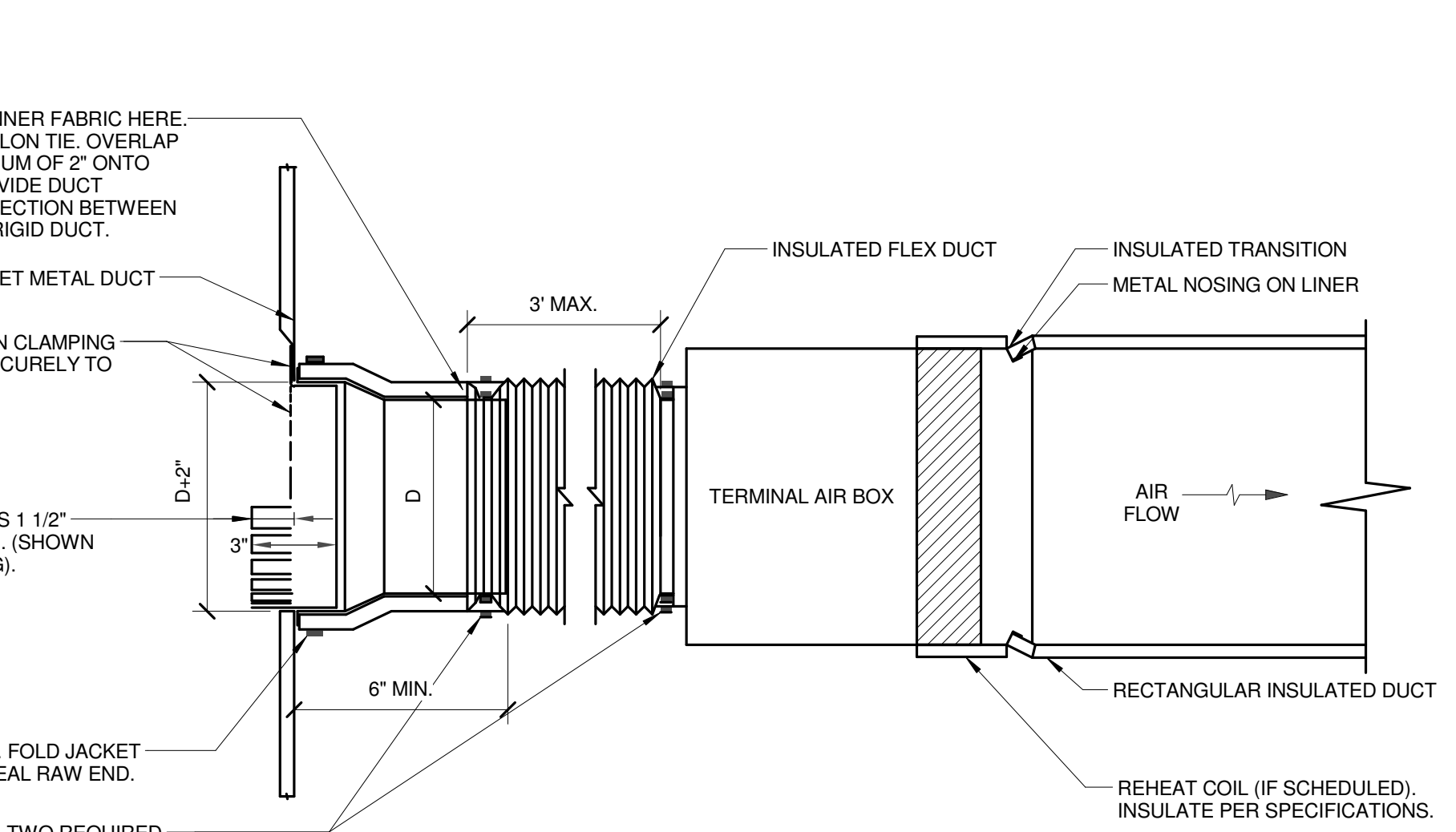
4 TRANSFER DUCT DETAIL
 NO SCALE



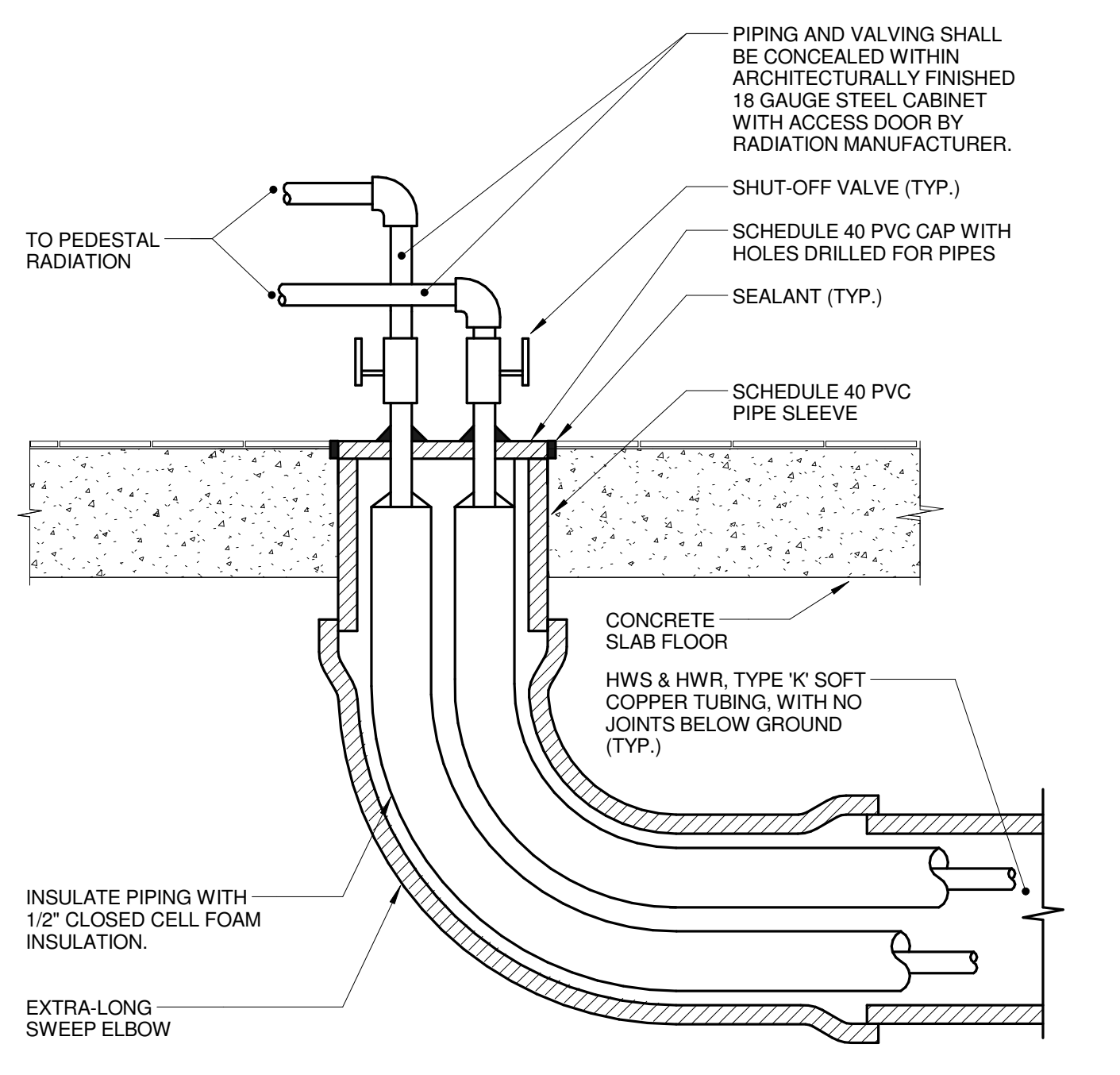
3 CEILING RETURN GRILLE
 NO SCALE



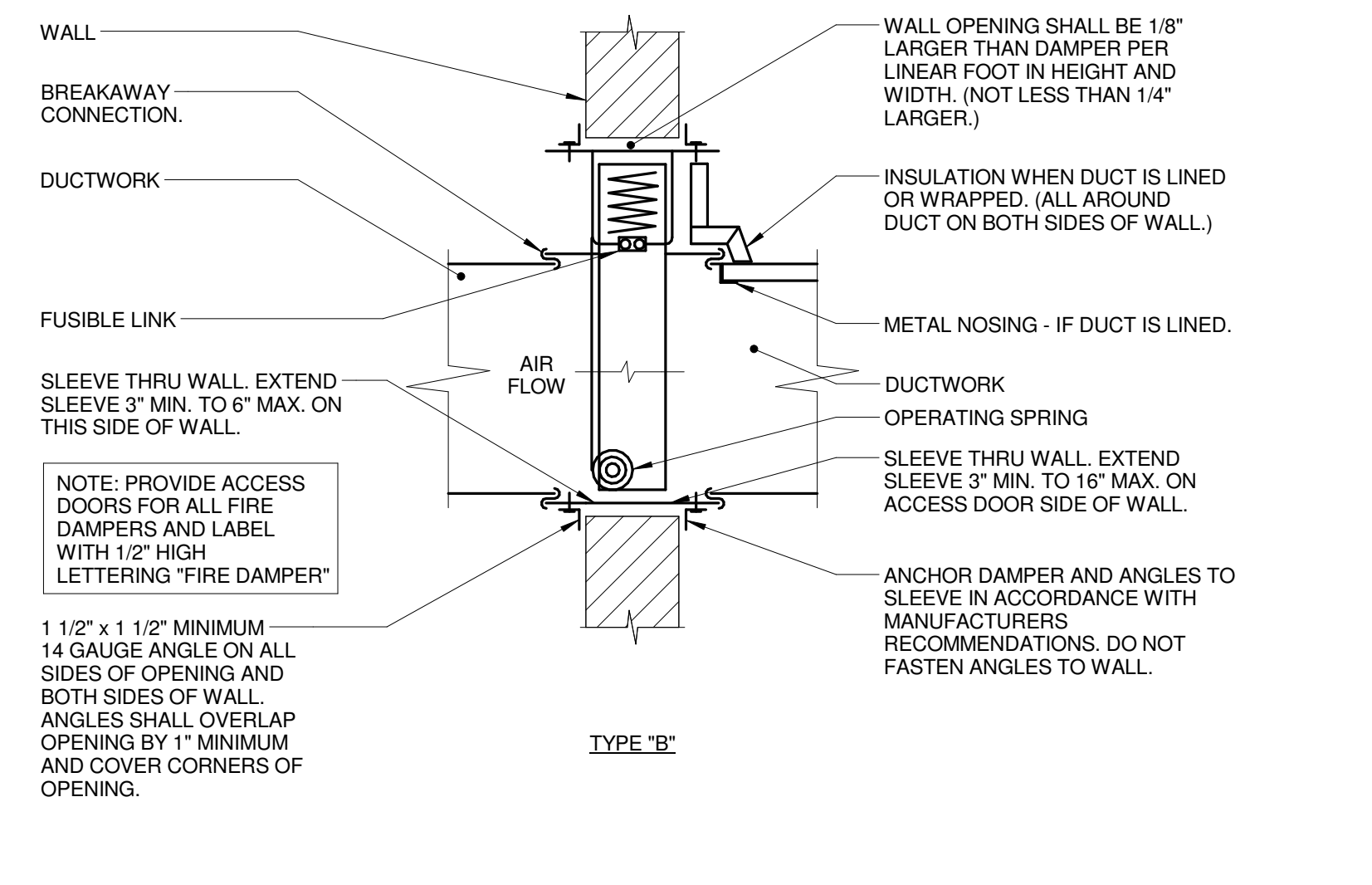
2 DIFFUSER CONNECTION DETAIL
 NO SCALE



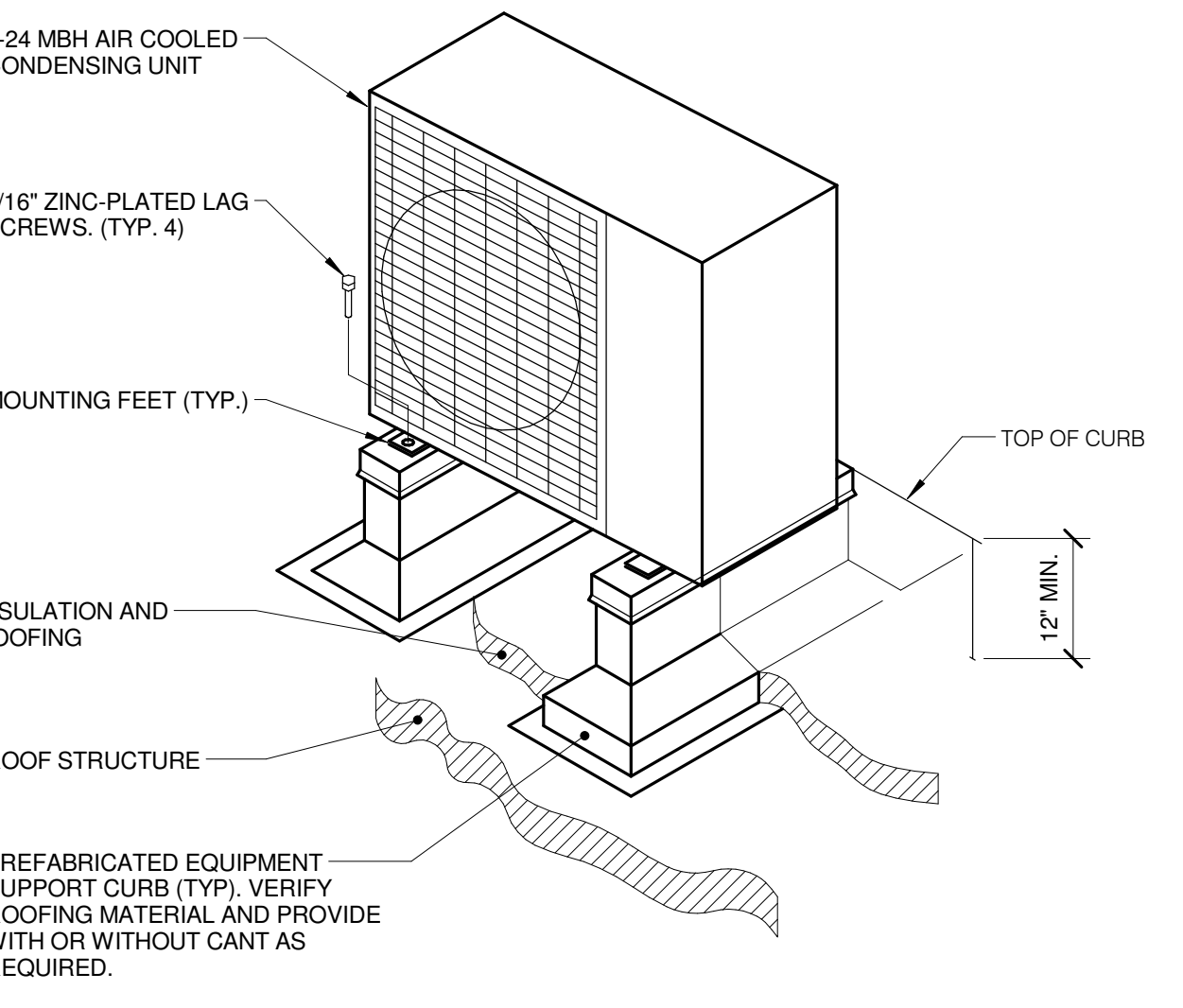
1 TERMINAL AIR BOX DETAIL LINED MAIN
 NO SCALE



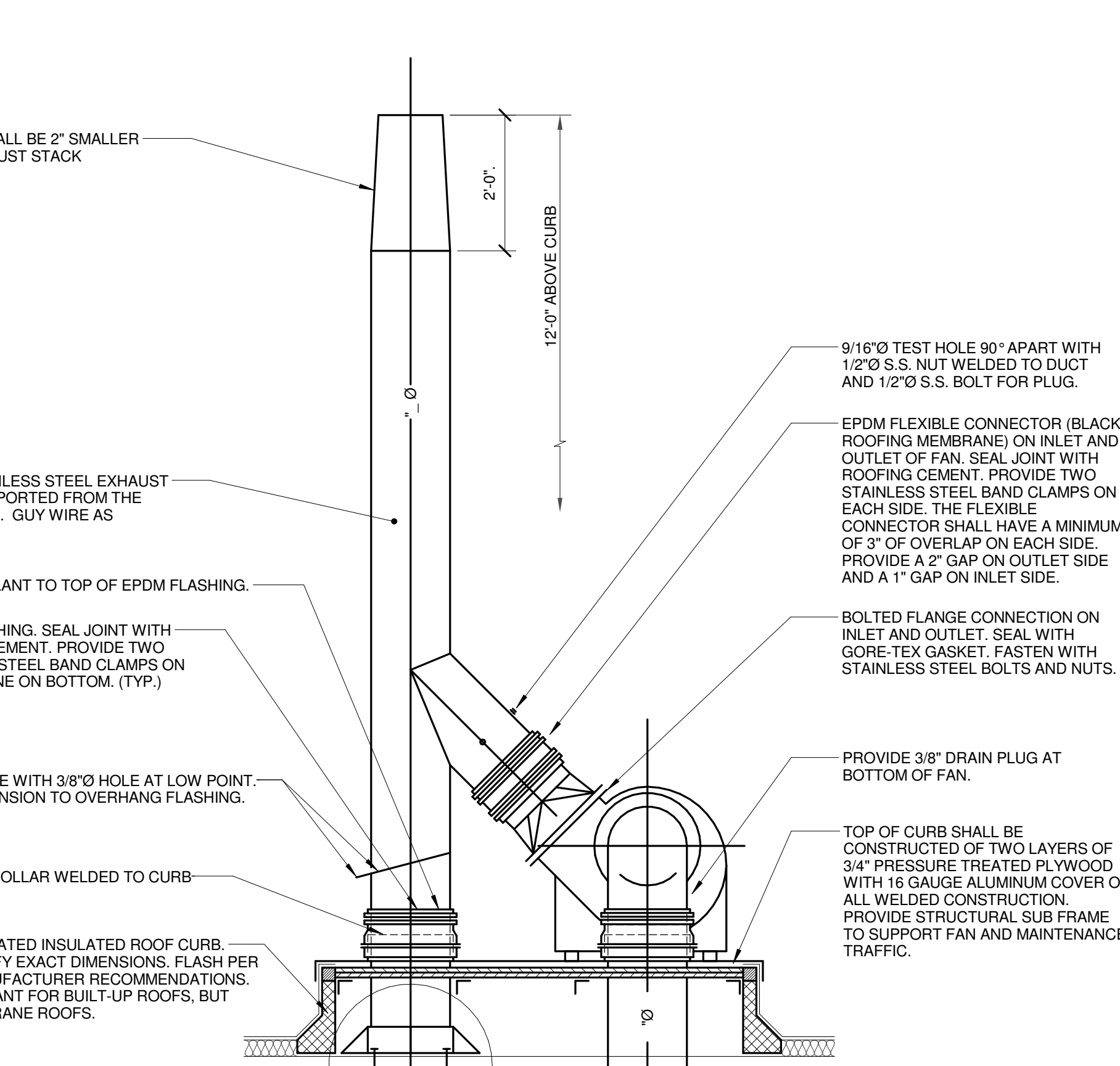
8 UNDERGROUND TUBING TO RADIATION
 NO SCALE



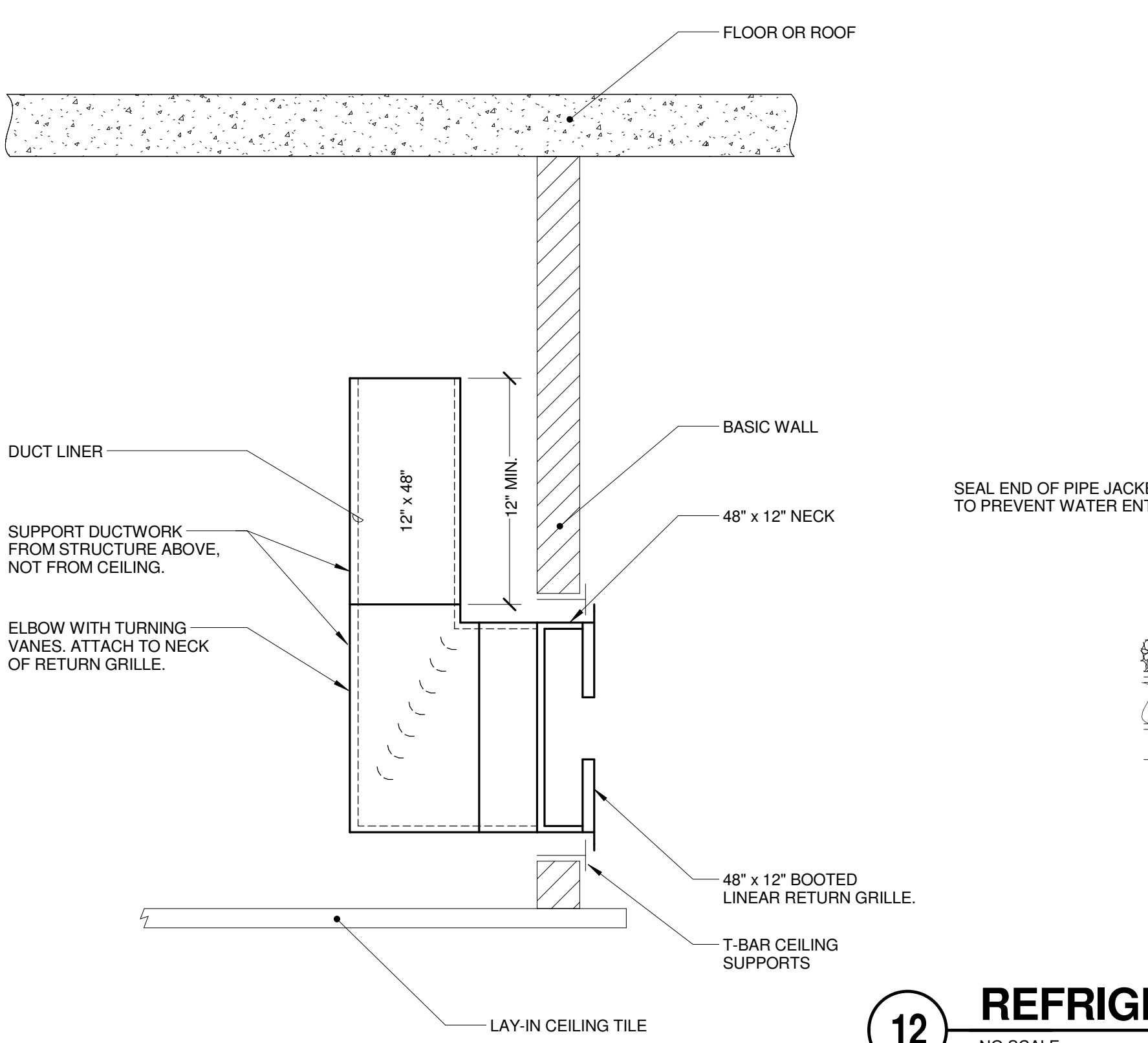
7 FIRE DAMPER THRU WALL DETAIL
 NO SCALE



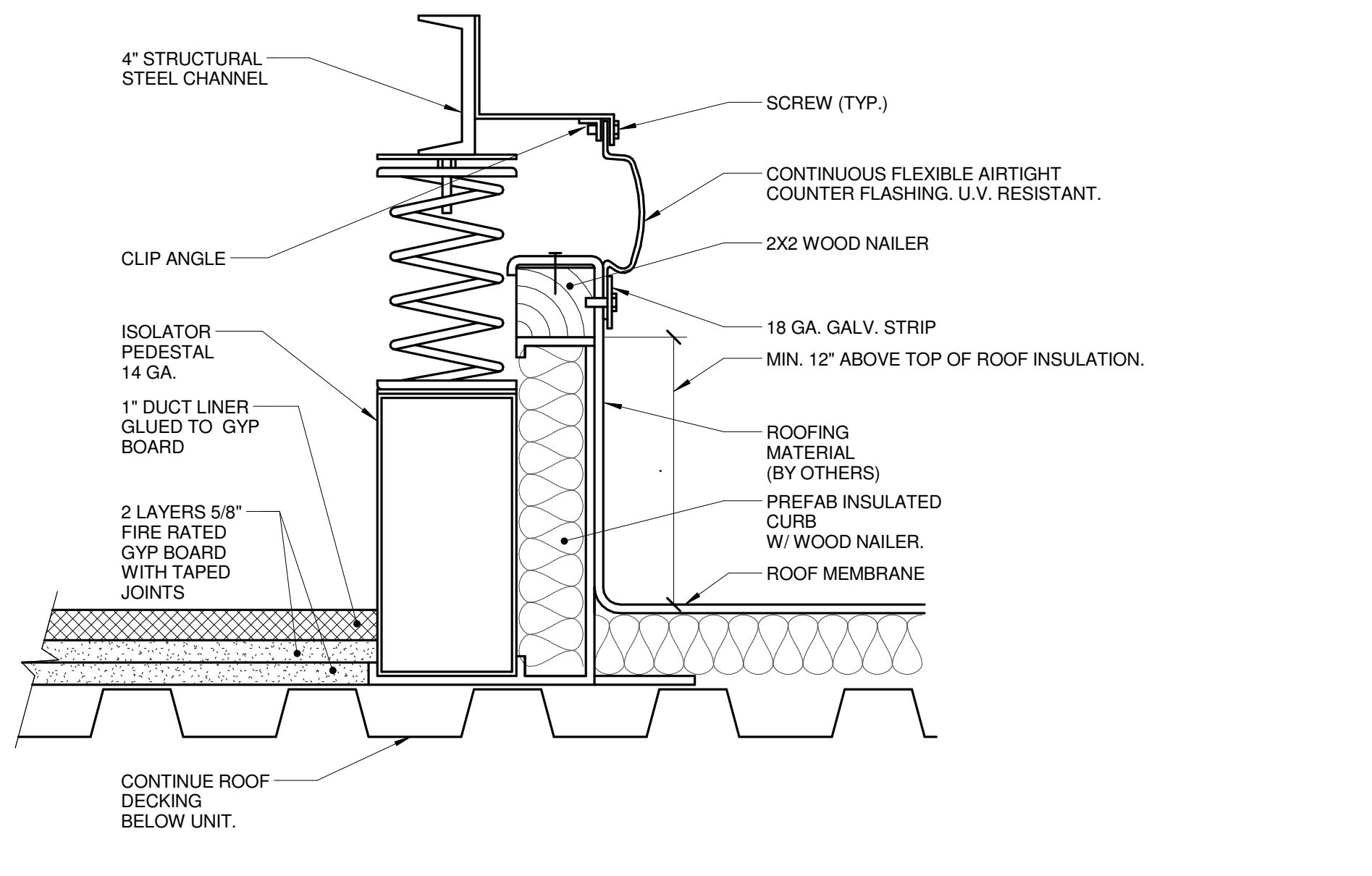
6 CONDENSING UNIT ROOF SUPPORT
 NO SCALE



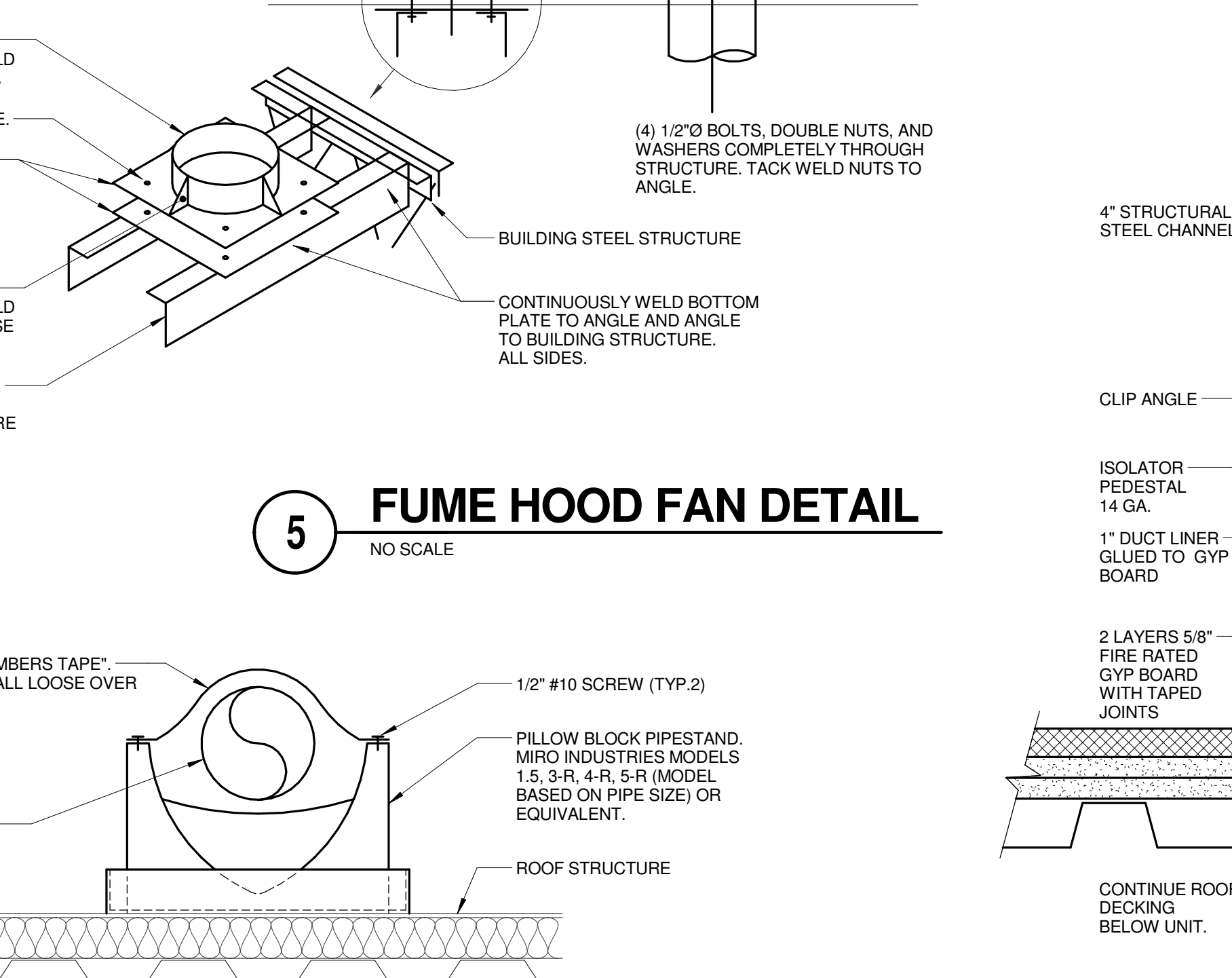
5 FUME HOOD FAN DETAIL
 NO SCALE



12 REFRIGERANT PIPING WEATHERPROOFING DETAIL
 NO SCALE



10 ROOF TOP SPRING ISOLATOR CURB DETAIL
 NO SCALE



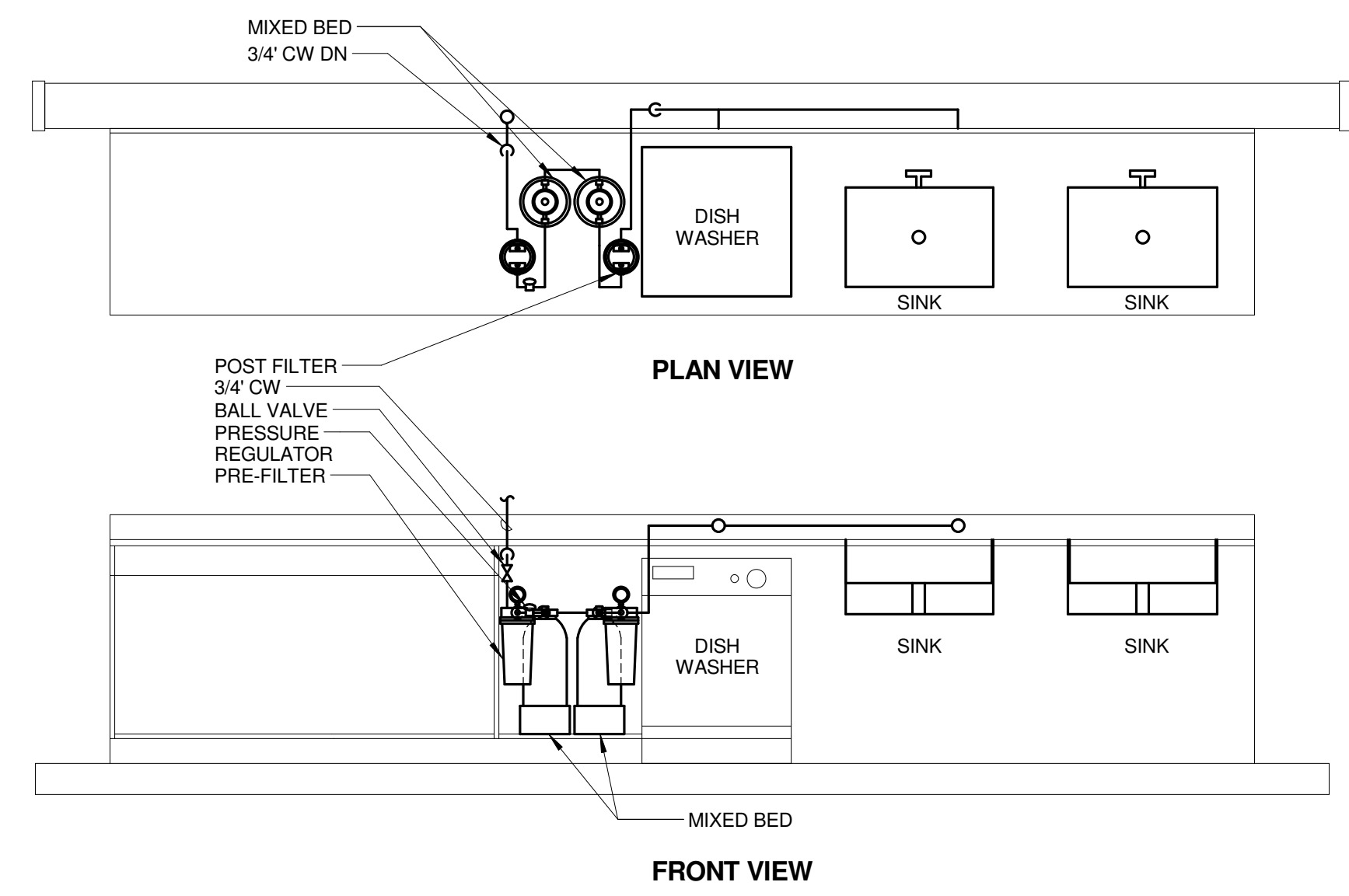
9 PIPE ROOF SUPPORT DETAIL
 NO SCALE

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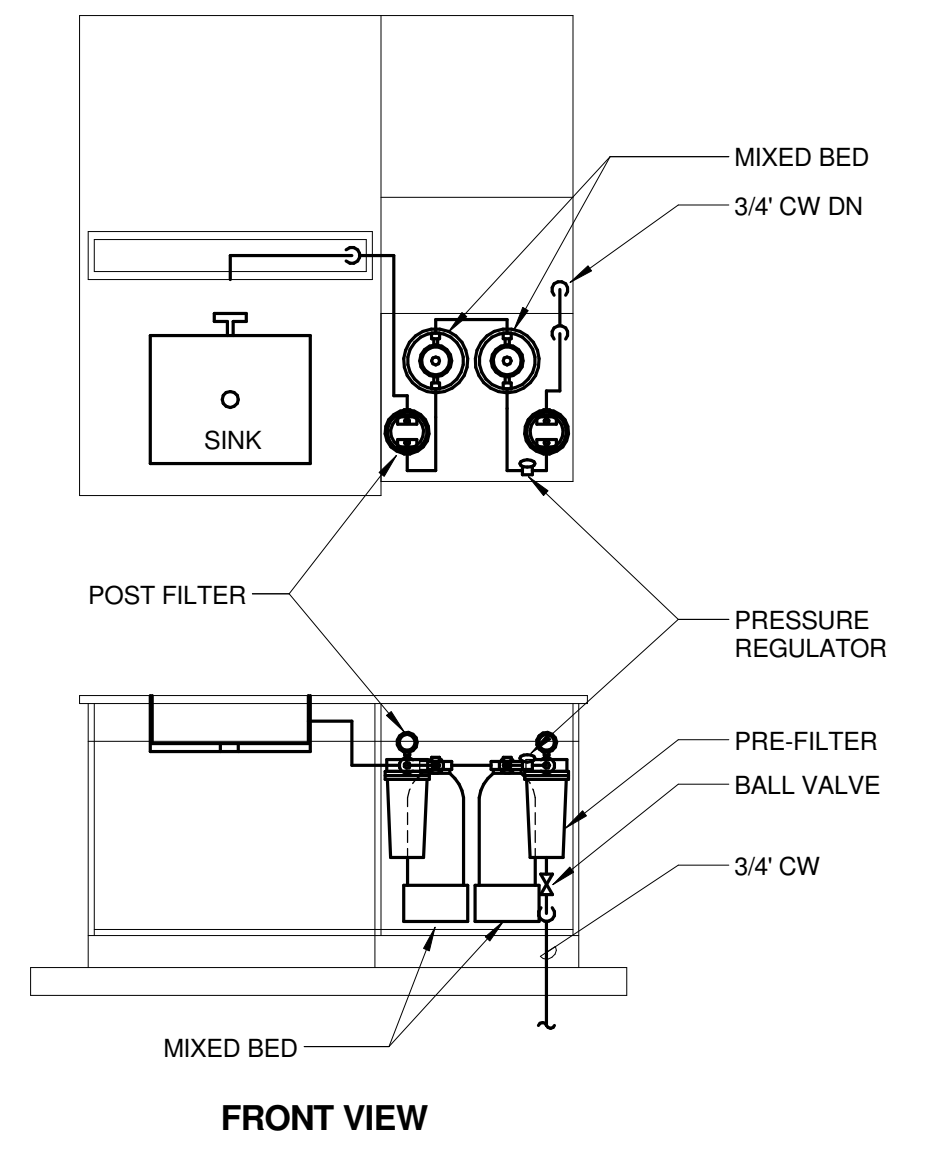
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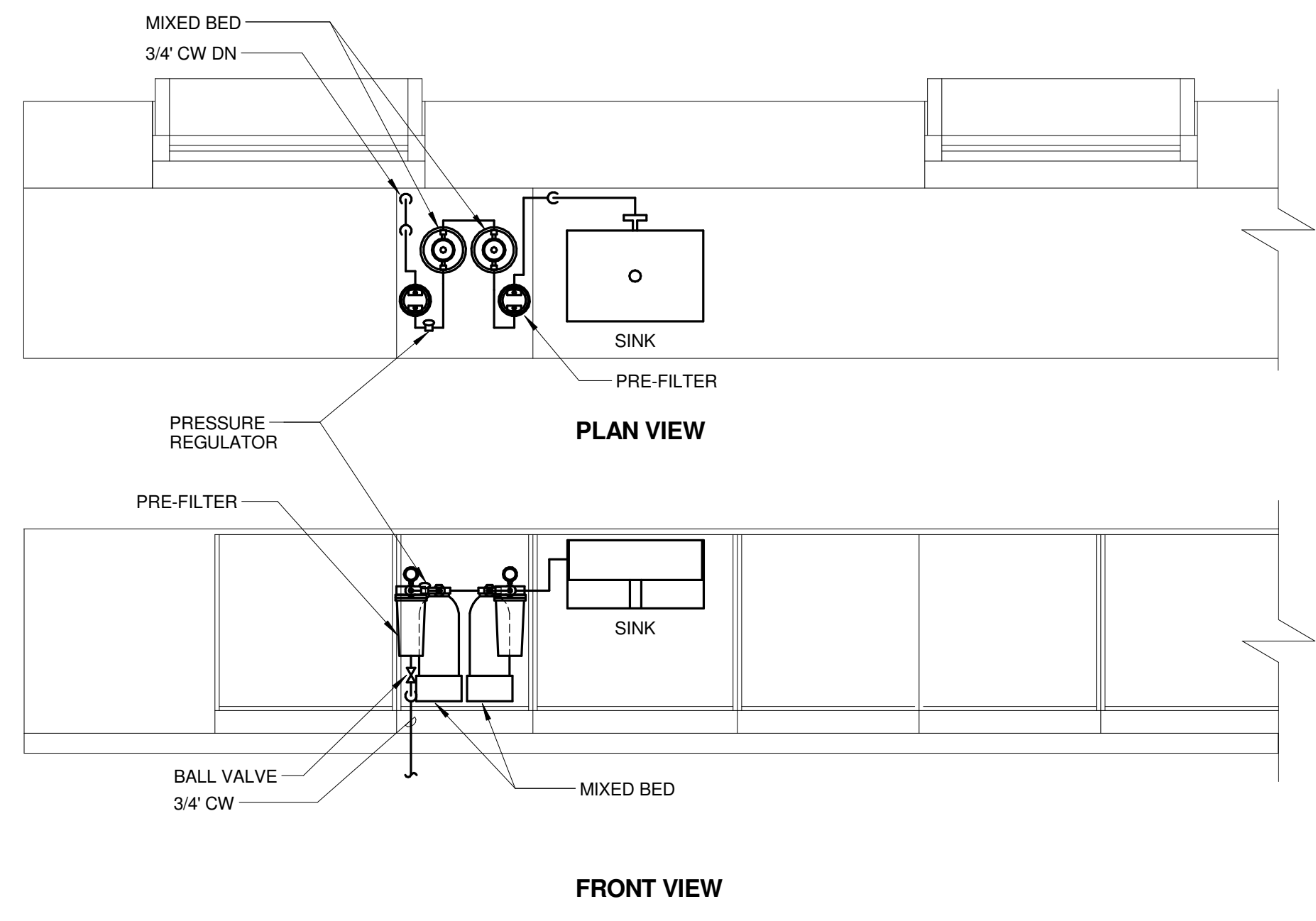
REFERENCE SCALE IN INCHES
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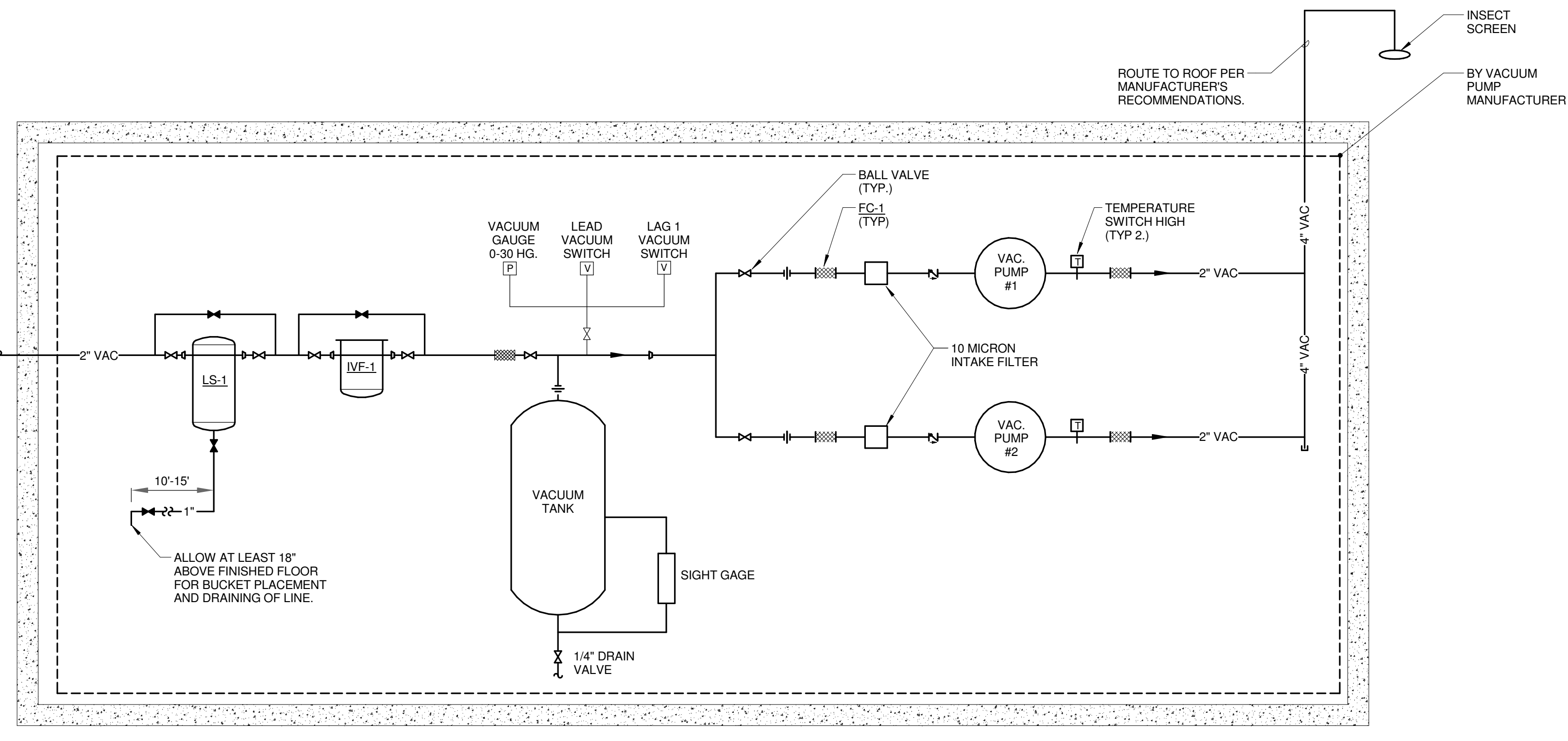
1 PURE WATER SYSTEM AND DISTRIBUTION - CHEM PREP 2010
 NO SCALE



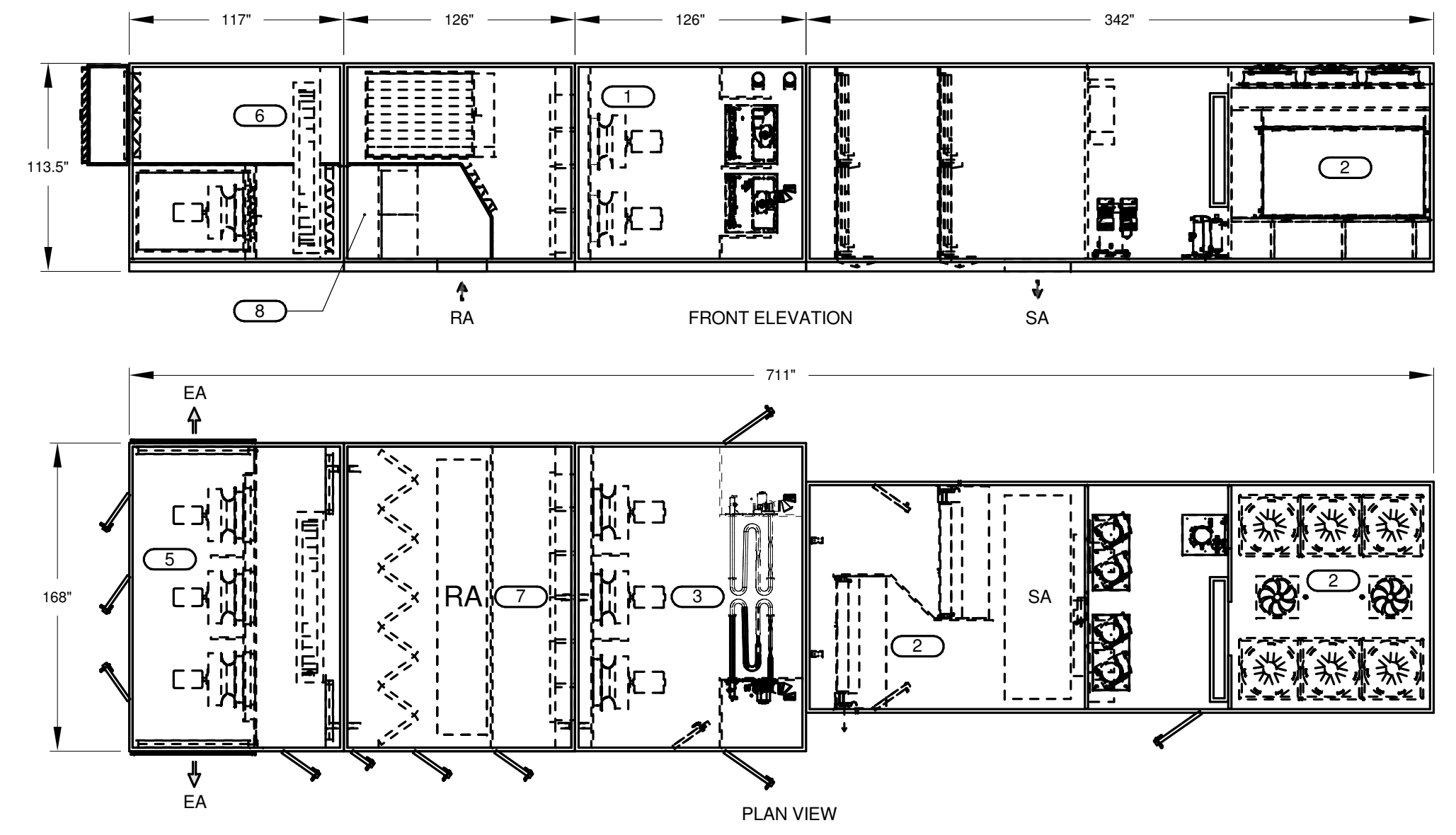
2 PURE WATER SYSTEM AND DISTRIBUTION - CHEM PREP 2010
 NO SCALE



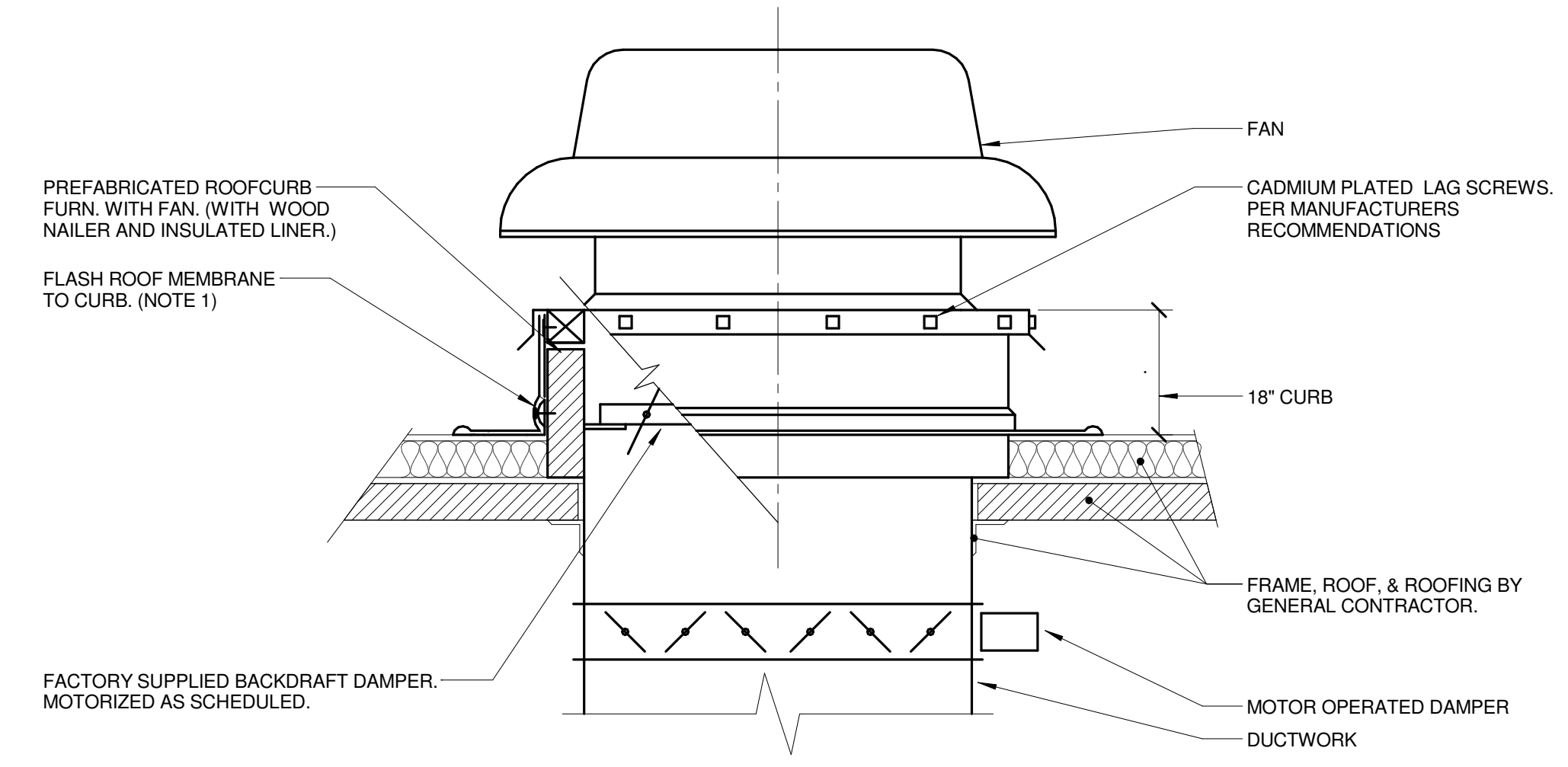
3 PURE WATER SYSTEM AND DISTRIBUTION - CHEMISTRY LAB 2012
 NO SCALE



4 VACUUM FLOW DIAGRAM
 NO SCALE

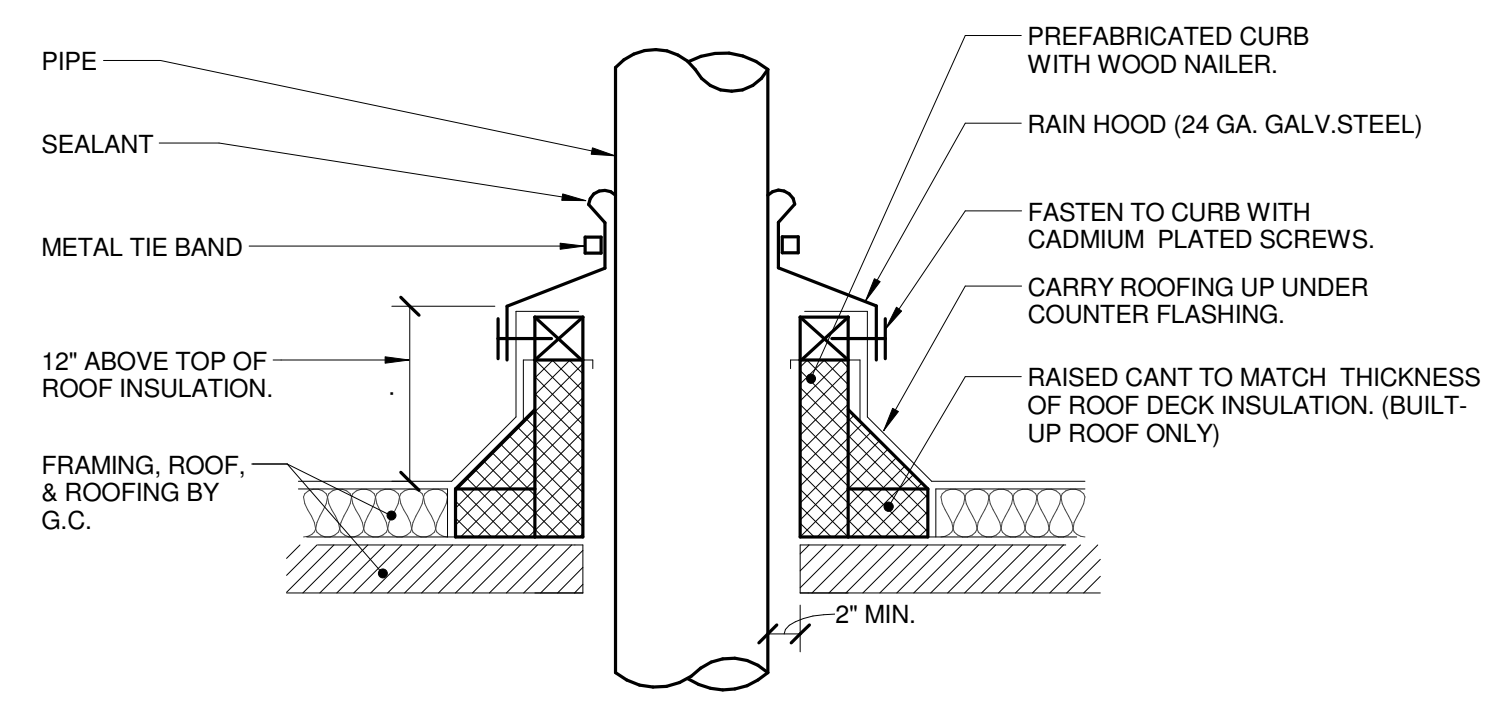


7 RTU-3 DETAIL
 NO SCALE



5 ROOF MOUNTED FAN (MEMBRANE ROOF)
 NO SCALE

NOTES:
 1. ALL ROOF FLASHING SHALL BE PER ROOFING MANUFACTURERS RECOMMENDATIONS.



6 PIPE THRU ROOF
 NO SCALE

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MECHANICAL
 PROJECT # 14-005-00
 SHEET # 14-005-00

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ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
MECHANICAL DETAILS

SHEET NUMBER:
M4.02

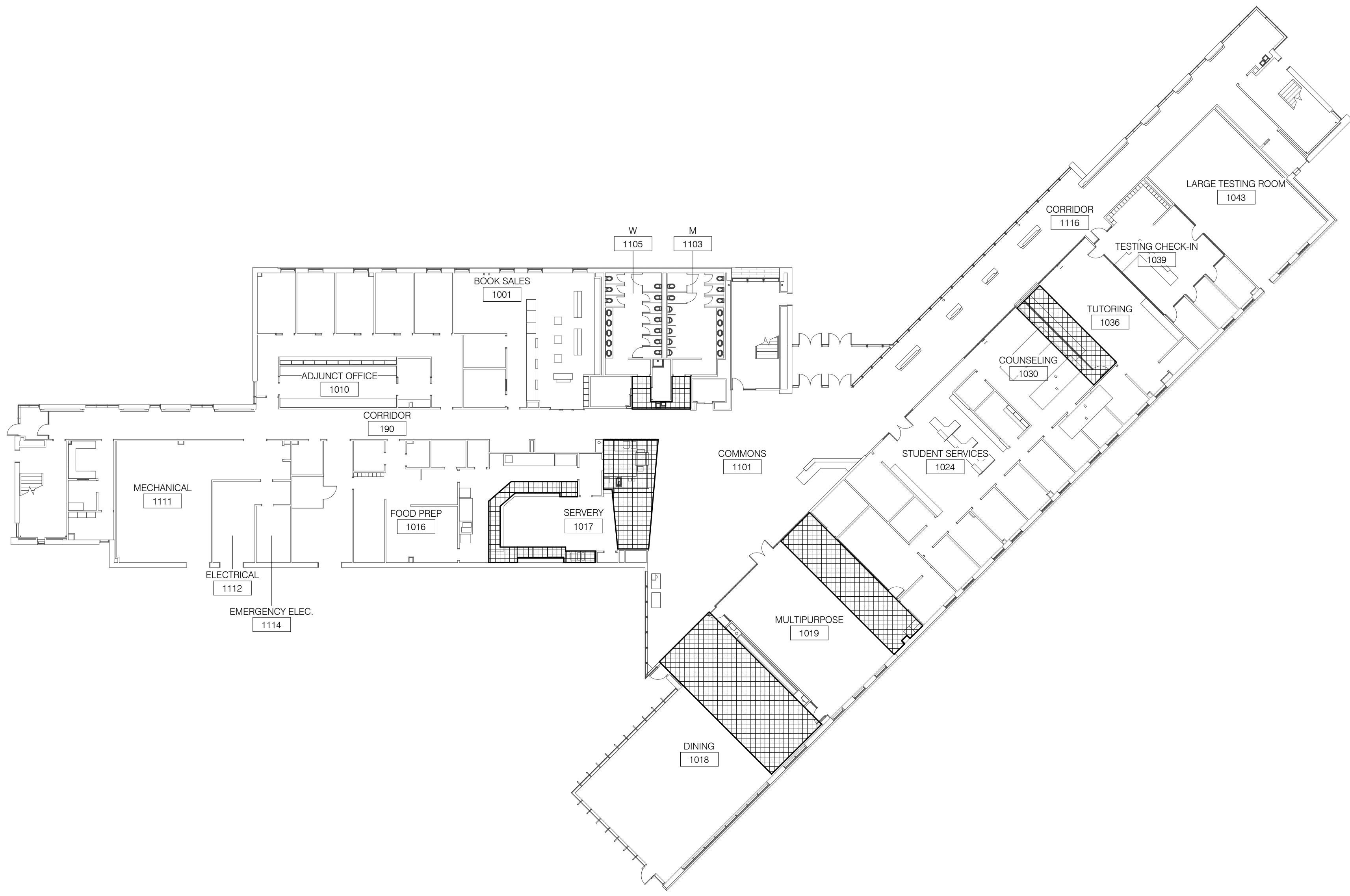


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 CHICAGO, IL 60661
 P: 312.496.0000

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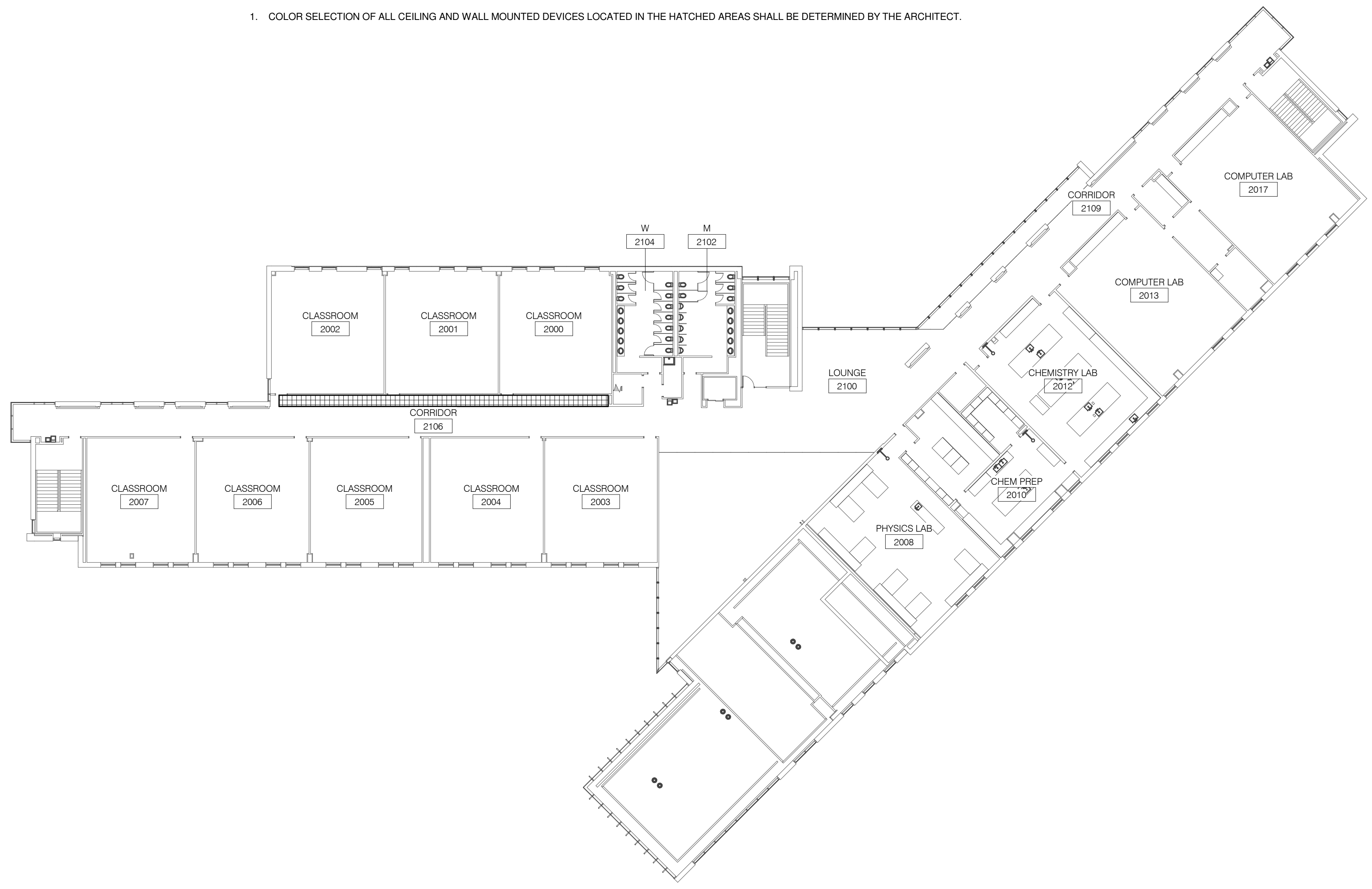
FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE., SUITE 212
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 P: 847.298.0088

**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005



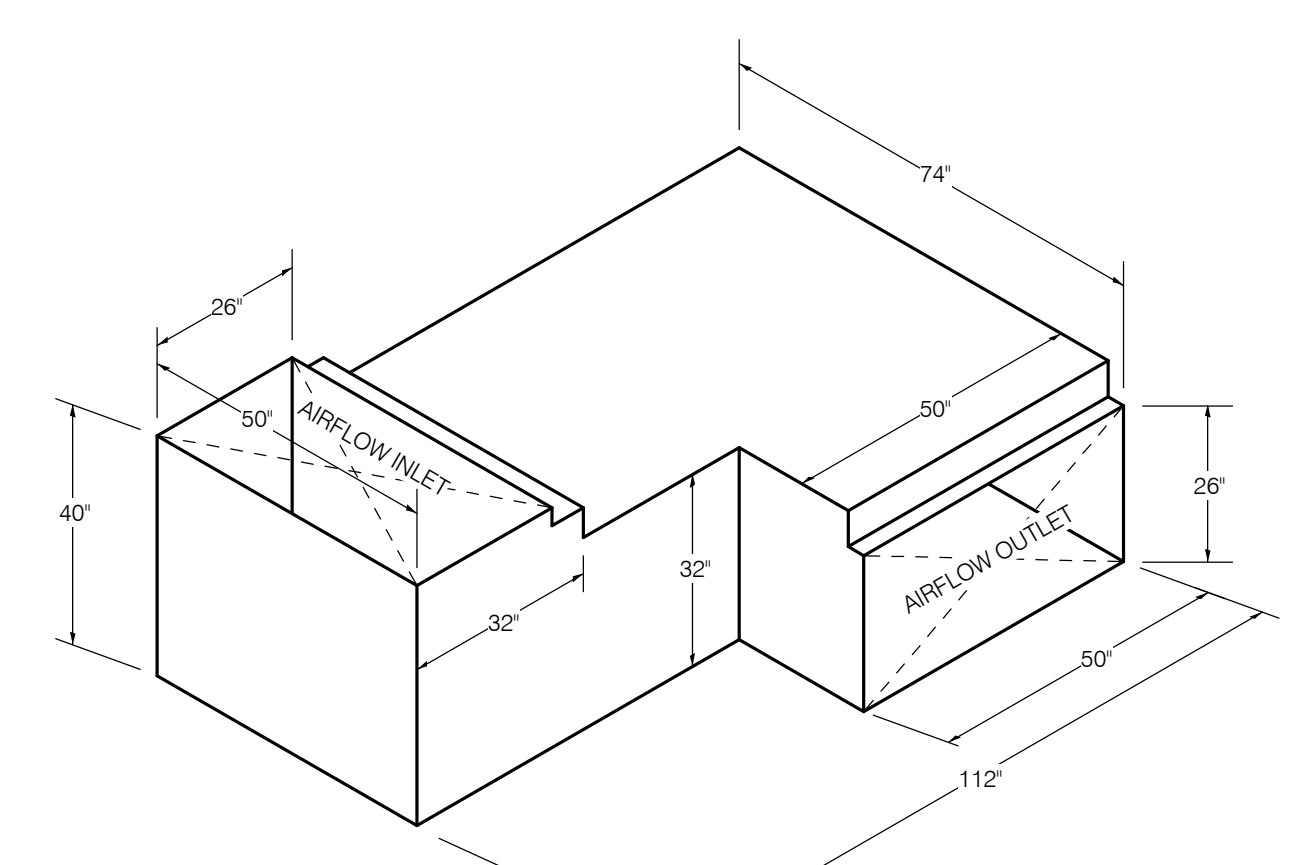
1 LEVEL 1 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

NO SCALE
 NOTES:
 1. COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.

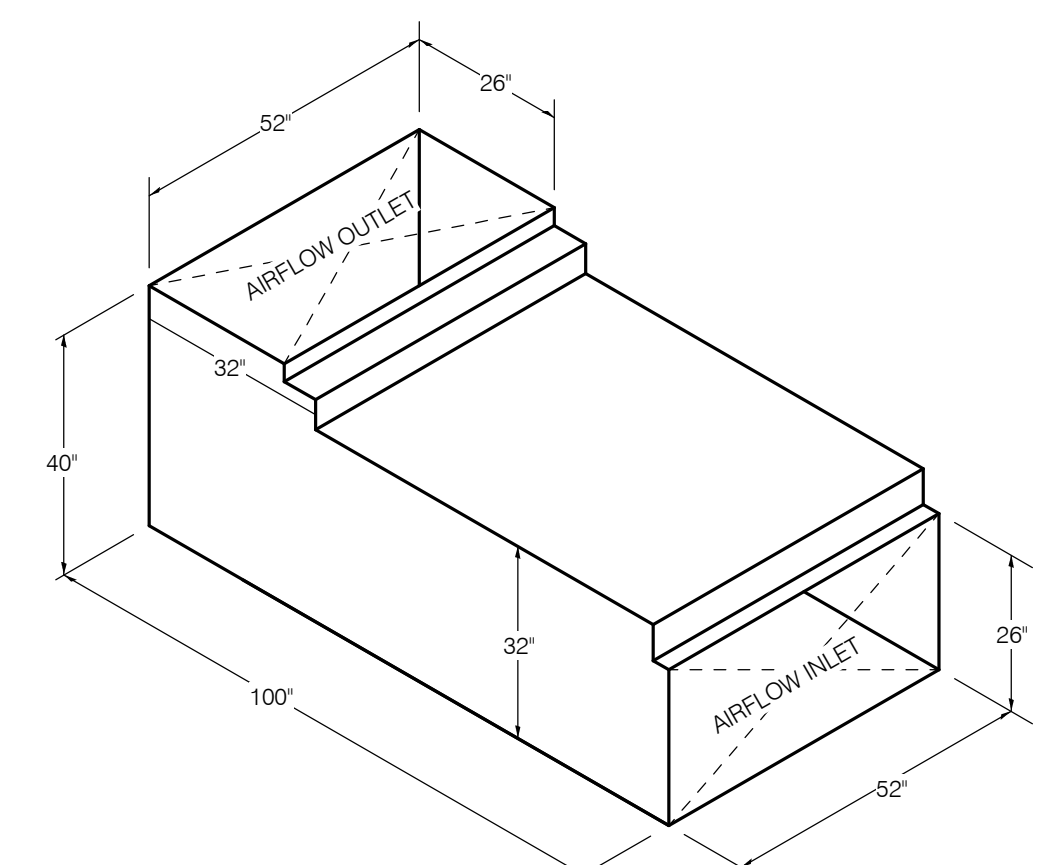


2 LEVEL 2 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

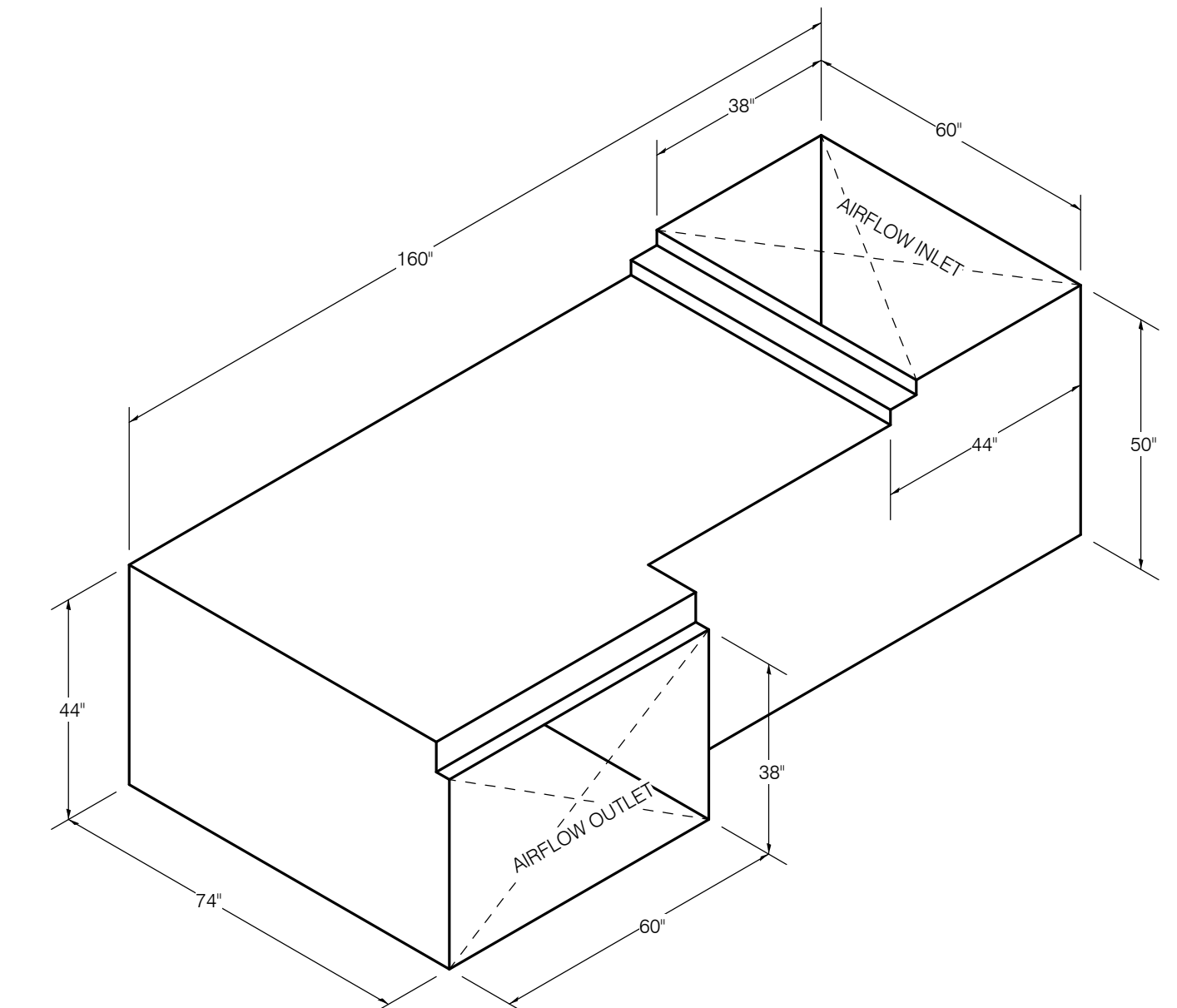
NO SCALE
 NOTES:
 1. COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.



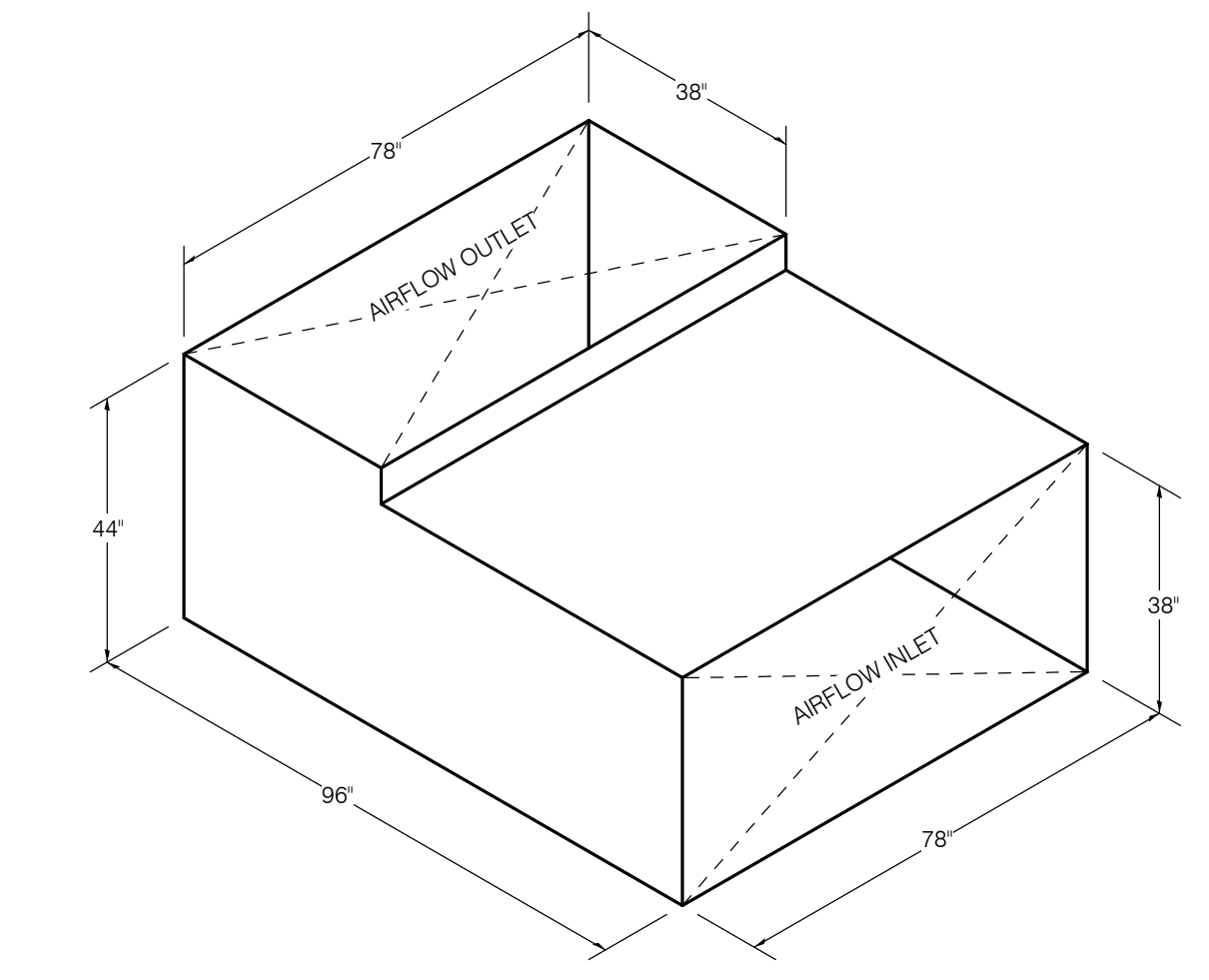
DS-1



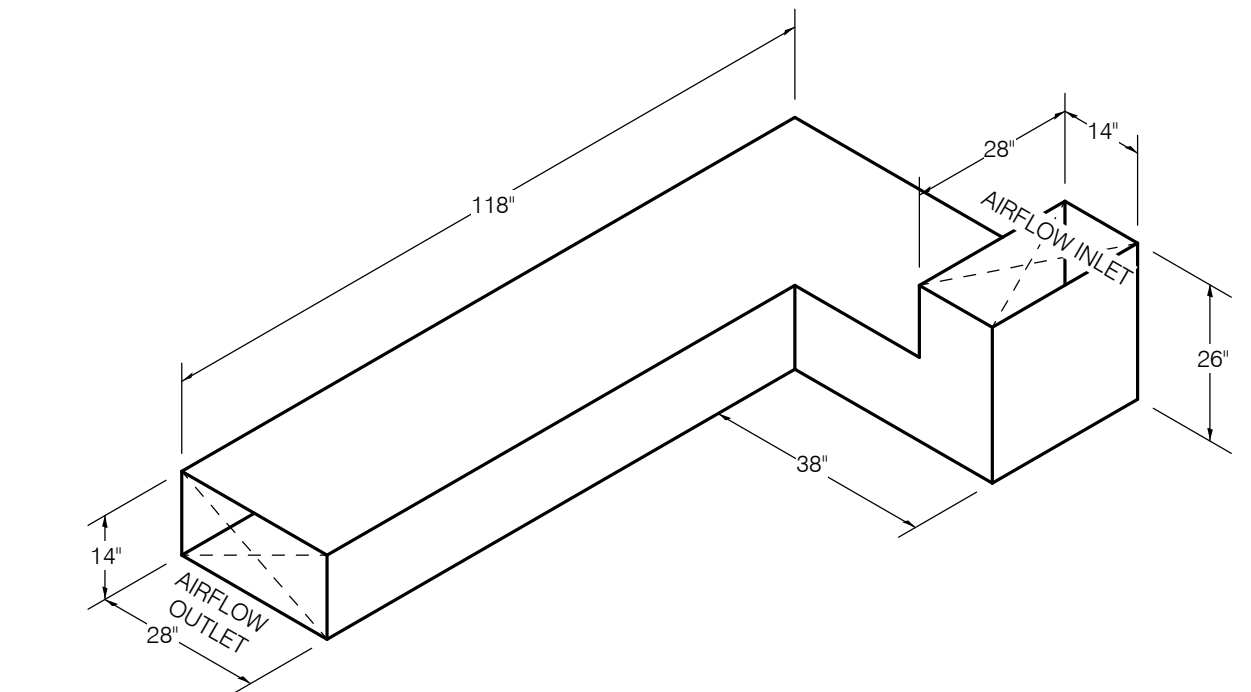
DS-2



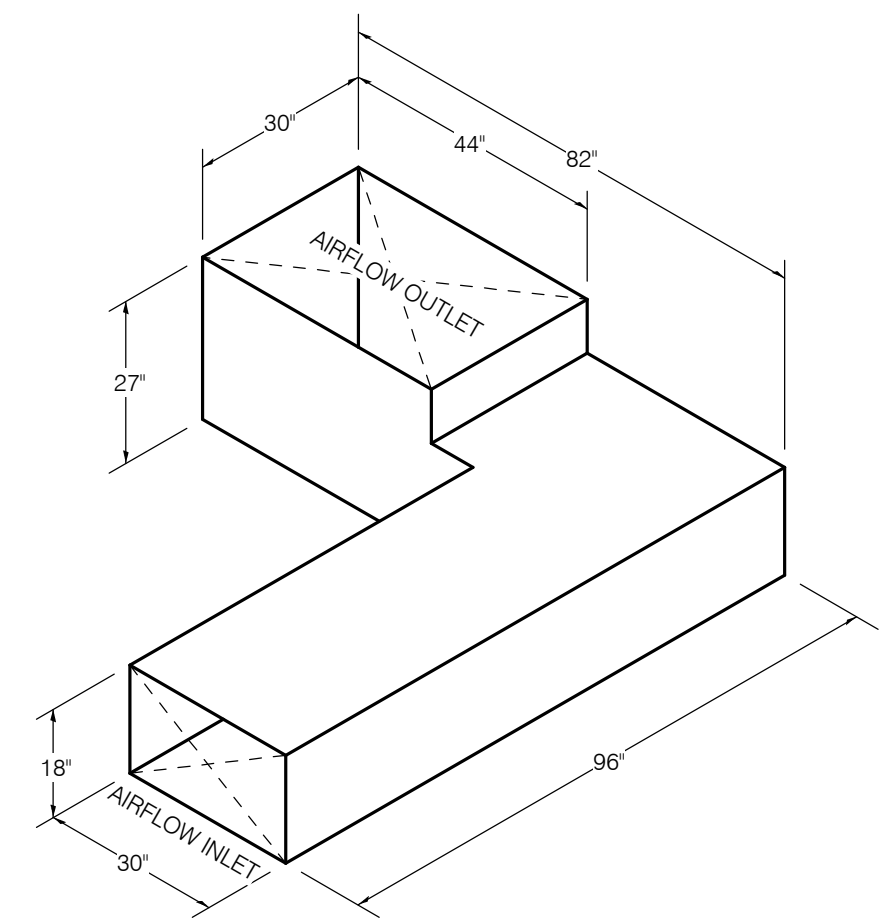
DS-3



DS-4



DS-5



DS-6

3 DUCT SILENCER DETAIL

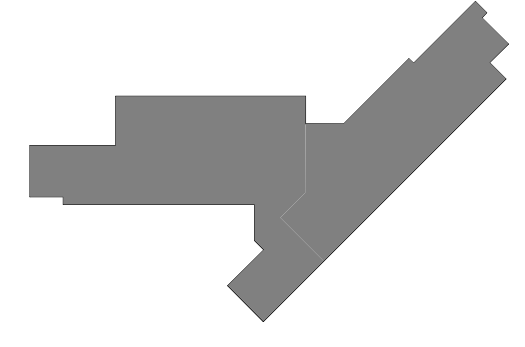
NO SCALE

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 PROJECT # 14-005-00
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KEY PLAN:



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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
MECHANICAL DETAILS

SHEET NUMBER:

M4.03



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FOOD SERVICE CONSULTANT
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
1125 135th ST. ROMEORVILLE, IL 60446
DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO. DESCRIPTION DATE

SHEET TITLE:
MECHANICAL SCHEDULES

SHEET NUMBER:

M5.00

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- SCHEDULE GENERAL NOTES:**
- DISCONNECT AND CONTROLLER STARTER FURNISHED AND INSTALLED BY:
MFR = MANUFACTURER
EC = ELECTRICAL CONTRACTOR.
 - DISCONNECT TYPE:
F = FUSED
NF = NON-FUSED
VFD = VARIABLE FREQUENCY DRIVE
 - CONTROLLER STARTER TYPE:
FV = FULL VOLTAGE
VFD = VARIABLE FREQUENCY DRIVE
 - FAN RPM SHALL NOT EXCEED 110% OF SCHEDULED VALUE WITH THE SCHEDULED WHEEL TYPE. SUBSTITUTION OF BI OR BIA FANS FOR FC IS ACCEPTABLE IF EFFICIENCY IS NOT LOWER.
 - NO EQUIPMENT SHALL BE SELECTED ABOVE 90% OF MOTOR NAME PLATE RATING.
 - MUST BE WITHIN +/- 10% OF SCHEDULED RPM.
 - CURB TYPE:
MFR = STANDARD CURB BY MANUFACTURER
SAC = SOUND ATTENUATOR CURB

ROOFTOP AIR HANDLING UNIT SCHEDULE

SYMBOL	RTU-1			RTU-2			RTU-3		
	SERVICE	KITCHEN	CHEMISTRY	CLASS ROOMS					
SUPPLY FAN									
	CFM	17,325	4,215	41,170					
EXTERNAL STATIC PRESSURE	2.1" WC	1.5" WC	3.8" WC						
TYPE	AF DWDF	SWSI AF	DD Plenum						
FAN RPM (NOTE D)	1,047	1,102	1,931						
BHP (NOTE E)	15.24	2.31	(6) @ 13.89						
MHP (NOTE E)	20	3	(6) @ 20						
RETURN / OUTSIDE / EXHAUST FAN									
	CFM	13,555		40,570					
EXTERNAL STATIC PRESSURE	1.00		1.60						
TYPE	SWSI AF		DD Plenum						
FAN RPM (NOTE D)	551	NA	1,948						
BHP (NOTE E)	3.61		(3) @ 14.28						
MHP (NOTE E)	5		(3) @ 20						
MINIMUM OUTSIDE AIR CFM	3125 (NOTE 6)	3,810	13,015						
HEATING COIL - GAS									
EAT °F	-10	-10	-10						
LAT °F	55	90	55						
TOTAL MBH	500.0	600.0	1,075.0						
COOLING COIL - DX									
EAT °F DB	82.4	95	76.8						
EAT °F WB	66.8	78	65						
MAX. LAT °F DB	54.3	55	55						
LAT °F WB	53.6	55	54						
TOTAL MBH	820.0	345.0	1,355.0						
ENTHALPY RECOVERY WHEEL									
SUMMER OA EAT °F DB/WB	NA	NA	95/75						
SUMMER RA EAT °F DB/WB	NA	NA	75/63.5						
SUMMER LAT °F DB/WB	NA	NA	80.3/67.7						
WINTER OA EAT °F DB/WB	NA	NA	-10/-11						
WINTER RA EAT °F DB/WB	NA	NA	70/52.8						
WINTER LAT °F DB/WB	NA	NA	37.6/33.5						
SUMMER EFFECTIVENESS	NA	NA	0.66						
WINTER EFFECTIVENESS	NA	NA	0.60						
MAX. COMBINED A.P.D. IN W.C. (SUPPLY/EXHAUST) WHEEL MOTOR	NA	NA	0.73/0.73						
DISCONNECT BY (NOTE A)			MFR						
DISCONNECT TYPE (NOTE B)			VFD						
CONTROLLER/STARTER BY (NOTE A)			MFR						
CONTROLLER/STARTER TYPE (NOTE C)			VFD						
FILTER									
TYPE - PRE	2"-30%	2"-30%	2"-30%						
TYPE - FINAL	12"-MERV14	4"-MERV13	12"-MERV13						
VELOCITY (FPM)	433.1	156.1	210						
A.P.D. IN W.C. FILTER CLEAN/DIRTY	0.76	0.12	0.1						
ROOF CURB (NOTE G)									
	SAC BY MFR	SAC BY MFR	SAC BY MFR						
ELECTRICAL									
VOLT-PHASE	460-3	460-3	460-3						
FLA	162	50	395						
MCA	175	57	404.00						
MOCIP AMPS	200	70	450						
DISCONNECT BY (NOTE A)	MFR	MFR	MFR						
DISCONNECT TYPE (NOTE B)	VFD	VFD	VFD						
CONTROLLER/STARTER BY (NOTE A)	MFR	MFR	MFR						
CONTROLLER/STARTER TYPE (NOTE C)	VFD	VFD	VFD						
MINIMUM SCOR									
	10 kAIC	10 kAIC	10 kAIC						
EERIEER	9.7/14.7	9.9/17.5	11.3/17.63						
MANUFACTURER	DAIKIN	DAIKIN	ANNEX AIR						
MODEL NUMBER	RPS074D	DPS028A	ERP						
REMARKS	NOTE 1,2,3,4,7	NOTE 1,2,3,5,7	NOTE 1,2,3,4,7						

- NOTES:**
- LAT LISTED IS AT DISCHARGE OF RTU.
 - PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13.
 - THE CONDENSATE DRAIN ASSOCIATED WITH THE COOLING COIL AND GAS FURNACE SHALL BE HEAT TRACED.
 - COORDINATE WITH THE ELECTRICAL CONTRACTOR.
 - REFER TO M7.00 FOR ASSOCIATED CONTROL DIAGRAMS.
 - REFER TO M7.01 FOR ASSOCIATED CONTROL DIAGRAMS.
 - THE RTU SHALL BE CAPABLE OF ACCOMMODATING THE OA CFM ASSOCIATED WITH THE KITCHEN EXHAUST FANS (6,525 CFM).
 - UNITS SHALL UTILIZE INVERTER COMPRESSOR TECHNOLOGY

HOT WATER BOILER SCHEDULE

SYMBOL	NOMINAL BHP	FUEL	INLET FUEL PRESSURE	TURNDOWN RATIO	INPUT MBH	OUTPUT MBH	EWT °F	LWT °F	OPERATING PRESSURE	ELECTRICAL				MANUFACTURER	MODEL	REMARKS	
										DISCONNECT		CONTROLLER/STARTER					
										BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	TYPE (NOTE C)				
BLR-1	51	NG	2 PSI	5:1	3,000	2,700	120	140	14"	6.5	480-3	E.C.	NF	MFR	FULTON	VANTAGE	NOTE 1
BLR-2	51	NG	2 PSI	5:1	3,000	2,700	120	140	14"	6.5	480-3	E.C.	NF	MFR	FULTON	VANTAGE	NOTE 1

- NOTES:**
- REFER TO M7.03 FOR CONTROL DIAGRAM.

CABINET HEATER SCHEDULE - HOT WATER

SYMBOL	SERVICE	TYPE	NOMINAL CFM	MBH	GPM	EWT °F	LWT °F	MAX. W.P.D. FT. HEAD	CONTROL	CABINET			ELECTRICAL					MANUFACTURER	MODEL/ SIZE-COIL	REMARKS			
										L	W	H	MOTOR 1		MOTOR 2		VOLT PHASE/WIRE				DISCONNECT		CONTROLLER/STARTER BY (NOTE A)
													HP	RPM	HP	RPM					BY (NOTE A)	TYPE (NOTE B)	
										BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	TYPE (NOTE C)										
CAB-1	VESTIBULE 1109	HORIZONTAL RECESSED	305	26.36	2.63	180	160	7.75	TCC	47"	30"	11"	0.220	619	-	-	115-1	MFR	NF	MFR	TRANE	FFEB06 / 060-2HC	NOTE 1,2,5
CAB-2	STAIR 1110	HORIZONTAL RECESSED	673	76.16	7.61	180	160	9.55	TCC	75"	30"	11"	0.130	819	0.220	819	115-1	MFR	NF	MFR	TRANE	FFEB12 / 120-4HC	NOTE 1,2,5
CAB-3	VESTIBULE 1100	HORIZONTAL RECESSED	543	47.24	4.72	180	160	8.02	TCC	75"	30"	11"	0.130	606	0.220	690	115-1	MFR	NF	MFR	TRANE	FFEB10 / 100-2HC	NOTE 1,2,5
CAB-4	VESTIBULE 1100	HORIZONTAL RECESSED	543	47.24	4.72	180	160	8.02	TCC	75"	30"	11"	0.130	606	0.220	690	115-1	MFR	NF	MFR	TRANE	FFEB10 / 100-2HC	NOTE 1,2,5
CAB-5	STAIR 1102	VERTICAL WALL HUNG	673	76.16	7.61	180	160	9.55	TCC	75"	30"	11"	0.130	819	0.220	819	115-1	MFR	NF	MFR	TRANE	FFEB12 / 120-4HC	NOTE 1,2,6
CAB-6	STAIR 1119	HORIZONTAL RECESSED	673	76.16	7.61	180	160	9.55	TCC	75"	30"	11"	0.130	819	0.220	819	115-1	MFR	NF	MFR	TRANE	FFEB12 / 120-4HC	NOTE 1,2,5
CAB-7	VESTIBULE 1118	HORIZONTAL RECESSED	305	26.36	2.63	180	160	7.75	TCC	47"	30"	11"	0.220	619	-	-	115-1	MFR	NF	MFR	TRANE	FFEB06 / 060-2HC	NOTE 1,2,4,5
CAB-8	STAIR 2107	HORIZONTAL RECESSED	673	76.16	7.61	180	160	9.55	TCC	75"	30"	11"	0.130	819	0.220	819	115-1	MFR	NF	MFR	TRANE	FFEB12 / 120-4HC	NOTE 1,2,5
CAB-9	STAIR 2101	HORIZONTAL RECESSED	495	56.81	5.67	180	160	5.42	TCC	75"	30"	11"	0.130	832	0.220	625	115-1	MFR	NF	MFR	TRANE	FFEB10 / 100-4HC	NOTE 1,2,5
CAB-10	STAIR 2110	HORIZONTAL RECESSED	673	76.16	7.61	180	160	9.55	TCC	75"	30"	11"	0.130	819	0.220	819	115-1	MFR	NF	MFR	TRANE	FFEB12 / 120-4HC	NOTE 1,2,5
CAB-11	LINK 1120	HORIZONTAL RECESSED	203	20.30	2.03	180	160	4.78	TCC	33"	30"	11"	0.130	833	-	-	115-1	MFR	NF	MFR	TRANE	FFEB03 / 030-3HC	NOTE 1,2,3,5
CAB-12	LINK 1120	HORIZONTAL RECESSED	203	20.30	2.03	180	160	4.78	TCC	33"	30"	11"	0.130	833	-	-	115-1	MFR	NF	MFR	TRANE	FFEB03 / 030-3HC	NOTE 1,2,3,5

- NOTES:**
- COORDINATE COLOR SELECTION WITH ARCHITECT.
 - REFER TO M FOR CABINET HEATER CONTROL.
 - CABINET HEATER PART OF ALTERNATE BID # SCOPE ONLY.
 - CABINET HEATER PART OF BASE BID SCOPE ONLY.
 - BOTTOM STAMPED LOUVER INLET & OUTLET.
 - BOTTOM & FRONT STAMPED LOUVER INLET, TOP BAR GRILLE OUTLET.

GRILLES REGISTERS & DIFFUSERS SCHEDULE

SYMBOL	MAT'L	TYPE	MARGIN (NOTE 1)	INLET SIZE (INCH)	FACE SIZE (INCH)	VOLUME DAMPER REQ'D	FINISH	MANUFACTURER	MODEL	REMARKS
CD-1	STEEL	PANEL FACE	LAY-IN	SEE DWG.	24x24	NO	NOTE 4	TITUS	OMNI	FLUSH FACE PANEL
CD-2	ALUMINUM	PERFORATED FACE	LAY-IN	SEE DWG.	24x48	NO	NOTE 4	PRICE	RFD	RADIAL FLOW DIFFUSER
SG-1	STEEL	DOUBLE DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	NOTE 4	TITUS	300R	FRONT BLADES VERTICAL UNLESS NOTED OTHERWISE
RG-1	STEEL	PERFORATED FACE	LAY-IN	N/A	24x24	NO	NOTE 4	TITUS	PXP	FACE ONLY - NON DUCTED
RG-2	STEEL	PERFORATED FACE	LAY-IN	SEE DWG.	24x24	NO	NOTE 4	TITUS	PAR	DUCTED RETURN
RG-3	STEEL	PERFORATED FACE	LAY-IN	N/A	24x12	NO	NOTE 4	TITUS	PXP	FACE ONLY - NON DUCTED
EG-1	STEEL	35° DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	NOTE 4	TITUS	350R	
EG-2	STEEL	PERFORATED FACE	LAY-IN	SEE DWG.	24X24	NO	NOTE 4	TITUS	PAR	DUCTED EXHAUST
TG-1	STEEL	35° DEFLECTION	1 1/4"	SEE DWG.	INLET +2	NO	NOTE 4	TITUS	350R	
TG-2	STEEL	PERFORATED FACE	LAY-IN	SEE DWG.	24X24	NO	NOTE 4	TITUS	PAR	

- NOTES:**
- CONTRACTOR SHALL DETERMINE PROPER MARGIN STYLE TO MATCH CEILING CONSTRUCTION.
 - ALL RUN OUT DUCTWORK TO DIFFUSERS SHALL BE NECK SIZE UNLESS OTHERWISE NOTED.
 - ALL ALUMINUM CONSTRUCTION FOR MFR USE. NON FERROUS FASTENERS ARE REQUIRED.
 - FINAL COLOR SELECTION SHALL BE DETERMINED BY ARCHITECT. VARIOUS COLORS MAY BE USED IN DIFFERENT LOCATIONS.

PUMP SCHEDULE

SYMBOL	SERVICE	GPM	PUMP FT. HEAD AT DESIGN	MINIMUM PUMP EFFICIENCY	INLET/MPSEL. SIZE IN.	ELECTRICAL				MANUFACTURER	MODEL	REMARKS			
						HP (NOTE E)	RPM	VOLT-PHASE	DISCONNECT						
									BY (NOTE A)				TYPE (NOTE B)		
P-1	BUILDING	275	60	74.88	3 / 8.5	7.5	1,750	480-3	EC	VFD	EC	VFD	BELL & GOSSETT	E-1510 2.58B	NOTE 1
P-2	BUILDING	275	60	74.88	3 / 8.5	7.5	1,750	480-3	EC	VFD	EC	VFD	BELL & GOSSETT	E-1510 2.58B	NOTE 1

- NOTES:**
- PROVIDE SHAFT GROUNDING AS REQUIRED IN THE MOTOR SPECIFICATION 23 05 13.

FAN SCHEDULE

SYMBOL	SERVICE	CFM	S.P. IN. W.C.	WHEEL DIA. INCHES	FAN RPM (NOTE F)	DRIVE	MAX. AMCA SCORES	BACKDRAFT DAMPER	CURB TYPE (NOTE G)	ELECTRICAL					MANUFACTURER	MODEL	REMARKS		
										BHP (NOTE E)	MHP (NOTE E)	VOLT-PHASE	DISCONNECT					CONTROLLER/STARTER	
													BY (NOTE A)	TYPE (NOTE B)				BY (NOTE A)	TYPE (NOTE C)
										BY (NOTE A)	TYPE (NOTE B)	BY (NOTE A)	TYPE (NOTE C)						
EF-1	FOOD PREP	3,025	0.75	18.5	1,067	DIRECT	14.8	ELECTRIC	MFR	0.72	2.0	208-1	MFR	NF	TCC	FV	GREENHECK	CUE-180-VG	NOTE 3
EF-2	SERVERY	3,500	0.75	18.5	1,160	DIRECT	15.8	ELECTRIC	MFR	0.92	2.0	208-1	MFR	NF	TCC	FV	GREENHECK	CUE-180-VG	NOTE 3
EF-3	RESTROOM	3,380	0.75	18.5	1,067	DIRECT	13.8	ELECTRIC	MFR	0.82	2.0	208-1	MFR	NF	TCC	FV	GREENHECK	G-183-VG	NOTE 4
EF-4	CHEMISTRY LAB	4,215	1.389	24.0	834	BELT	12.9	ELECTRIC	MFR	1.36	1.5	208-1	MFR	NF	TCC	FV	GREENHECK	USF-324-10-BH-15	NOTE 1, 2, 5
EF-5	CHEMISTRY LAB	4,215	1.389	24.0	834	BELT	12.9	ELECTRIC	MFR	1.36	1.5	208-1	MFR	NF	TCC	FV	GREENHECK	USF-324-10-BH-15	NOTE 1, 2, 5

- NOTES:**
- ALL EXHAUST AIRFLOW CONTACT SURFACES SHALL BE EPOXY COATED.
 - REFER TO M4.01 FOR FUME HOOD FAN DETAIL.
 - REFER TO M7.02 FOR KITCHEN FAN CONTROL DIAGRAM.
 - REFER TO M7.03 FOR EXHAUST FAN CONTROL - AHU INTERLOCK CONTROL DIAGRAM.
 - REFER TO M7.01 LAB EXHAUST FAN CONTROL DIAGRAM.

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ROMEIOVILLE CAMPUS EXPANSION
1125 135th ST. ROMEIOVILLE, IL 60446
DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR
CONSTRUCTION

NO: DESCRIPTION: DATE:

SHEET TITLE:
MECHANICAL
SCHEDULES

SHEET NUMBER:

M5.01

TERMINAL AIR BOX SCHEDULE - SINGLE DUCT REHEAT (FIRST FLOOR)

SYMBOL TAB -	AREA SERVED	CFM			HEATING COIL (NOTES 5 & 6)			MIN. INLET SIZE (IN)	CONTROL TYPE (NOTE 3)	SENSOR TYPE (NOTE 4)	MANUFACTURER	MODEL	REMARKS	
		COOLING MAX.	HEATING MAX.	MIN.	EAT °F	LAT °F	EWT °F							MAX. GPM
100	CORRIDOR 190	695	695	230	55	95	140	2.9	10	B	1	TITUS	DESX	NOTES 1, 2
101	ADJUNCT OFFICE 1010	610	145	145	55	75	110	1.1	8	A	2	TITUS	DESX	NOTES 1, 2
102	FACULTY OFFICE 1009	205	115	80	55	95	140	0.8	6	B	2	TITUS	DESX	NOTES 1, 2
103	FACULTY OFFICE 1007 & 1008	340	160	80	55	95	140	0.8	6	B	2	TITUS	DESX	NOTES 1, 2
104	FACULTY OFFICE 1005 & 1006	350	150	80	55	95	140	0.8	6	B	2	TITUS	DESX	NOTES 1, 2
105	CORRIDOR 1108	385	225	80	55	95	140	0.8	6	B	1	TITUS	DESX	NOTES 1, 2
106	MEETING ROOM 1004	110	80	80	55	75	110	0.6	6	A	2	TITUS	DESX	NOTES 1, 2
107	OFFICE 1003 & STORAGE 1002	195	85	80	55	75	110	0.6	6	A	2	TITUS	DESX	NOTES 1, 2
108	BOOKSTORE 1000	945	430	145	55	95	140	1.7	10	B	1	TITUS	DESX	NOTES 1, 2
109	WOMEN 1105	670	670	670	55	95	140	2.9	8	A	1	TITUS	DESX	NOTES 1, 2
110	MEN 1103	670	670	670	55	95	140	2.9	8	A	1	TITUS	DESX	NOTES 1, 2
111	SERVERY 1017	3,500	3,500	1,400	55	95	140	15.1	24X16	C	1	TITUS	DESX	NOTES 1, 2
112	FOOD PREP 1016	3,025	3,025	1,400	55	95	140	13.1	24X16	C	1	TITUS	DESX	NOTES 1, 2
113	OFFICE 1014 & RECEIVING 1015	255	205	80	55	75	110	1.1	6	A	1	TITUS	DESX	NOTES 1, 2
114	POLICE 1011 & INTERROGATION 1012	240	85	80	55	75	110	0.6	6	A	1	TITUS	DESX	NOTES 1, 2
115	STORAGE 1013	110	80	80	55	95	140	0.8	6	B	1	TITUS	DESX	NOTES 1, 2
116	MULTIPURPOSE 1019	1,480	595	450	55	95	140	2.1	14	B	1	TITUS	DESX	NOTES 1, 2
117	DINING 1018	5,540	1,665	1,535	-	-	-	-	30X20	B	1	TITUS	DQCV	NOTES 1, 2
118	LARGE TESTING ROOM 1043	1,690	630	630	55	95	140	2.3	14	B	1	TITUS	DESX	NOTES 1, 2
119	TESTING CHECK-IN 1039	380	245	80	55	75	110	1.1	6	A	1	TITUS	DESX	NOTES 1, 2
120	TUTORING 1036	1,050	365	230	55	95	140	1.3	12	B	1	TITUS	DESX	NOTES 1, 2
121	SMALL TESTING ROOM 1040	110	80	80	55	95	140	0.8	6	B	1	TITUS	DESX	NOTES 1, 2
122	SMALL TESTING ROOM 1041 & 1042	330	100	80	55	95	140	0.8	6	B	1	TITUS	DESX	NOTES 1, 2
123	CAREER SERVICE 1035 & SHARED OFFICE 1037	350	105	80	55	95	140	0.8	6	B	2	TITUS	DESX	NOTES 1, 2
124	COUNSELLING 1030	625	255	145	55	75	110	1.1	8	A	1	TITUS	DESX	NOTES 1, 2
125	WORKROOM 1032 & STORAGE 1031	285	95	80	55	75	110	0.6	6	A	1	TITUS	DESX	NOTES 1, 2
126	COUNSELLING 1033 & 1034	350	105	80	55	95	140	0.8	6	B	2	TITUS	DESX	NOTES 1, 2
127	STUDENT SERVICES 1024	475	350	145	55	75	110	1.7	8	A	1	TITUS	DESX	NOTES 1, 2
128	ADMISSION 1028 & COUNSELLING 1029	350	110	80	55	95	140	0.8	6	B	2	TITUS	DESX	NOTES 1, 2
129	FINANCIAL 1026 & 1027	350	110	80	55	95	140	0.8	6	B	2	TITUS	DESX	NOTES 1, 2
130	STUDENT MEETING SPACE 1021 & OFFICE SPACE 1020	500	165	145	55	75	110	1.1	8	A	2	TITUS	DESX	NOTES 1, 2
131	STUDENT ACTIVITY 1022	185	80	80	55	95	140	0.8	6	A	2	TITUS	DESX	NOTES 1, 2
132	COMMONS 1101	3,630	1,400	1,400	55	95	140	6	24X16	B	1	TITUS	DQSV	NOTES 1, 2
133	CORRIDOR LEVEL 1-2 (EAST)	1,695	505	325	55	95	140	1.7	14	B	1	TITUS	DESX	NOTES 1, 2
134	CORRIDOR (EAST)	1,420	900	325	55	95	140	2.1	14	B	1	TITUS	DESX	NOTES 1, 2
135	OFFICE	150	80	80	55	95	140	0.8	6	A	1	TITUS	DESX	NOTES 1, 2
136	MECHANICAL 1111	1,165	585	325	55	95	140	2.5	12	A	1	TITUS	DESX	NOTES 1, 2
137	LINK 1120	2,340	705	145	55	95	140	2.8	16	B	1	TITUS	DESX	NOTES 1, 2
138	IT 1106	50	-	50	55	55	-	-	6	D	1	TITUS	DESX	NOTES 1, 2
139	IT 1115	50	-	50	55	55	-	-	6	D	1	TITUS	DESX	NOTES 1, 2
140	RECEIVING 1015	350	50	50	55	95	140	0.5	6	A	1	TITUS	DESX	NOTES 1, 2
141	ELEVATOR CONTROL CLOSET 1113	160	-	0	55	55	-	-	6	D	1	TITUS	DESX	NOTES 1, 2

- NOTES:
1. NEITHER RADIATED NOR DISCHARGE SOUND LEVELS SHALL EXCEED NC 35 AT 1.5" INLET STATIC PRESSURE WHEN TESTED PER AHSI STANDARD 885-2008 USING 5/8" 20-LB DENSITY MINERAL FIBER CEILING TILE.
2. TOTAL AIR PRESSURE DROP OF TAB AND REHEAT COIL SHALL NOT EXCEED 0.50" WC.
3. SEE SPECIFICATION SECTION 23 09 00 AND 4/M7.03, 5/M7.03, 6/M7.03 & 7/M7.03 FOR DESCRIPTION OF CONTROL TYPES.
4. SENSOR TYPES: 1 - SENSOR ONLY, 2 - SENSOR WITH ADJUSTMENT
5. HEATING COILS IS BASED ON HEATING AIR FLOW. WATER PRESSURE DROP OF REHEAT COILS SHALL NOT EXCEED 5'. PROVIDE REHEAT COILS SEPARATE FROM BOXES IF REQUIRED TO MEET WATER PRESSURE DROP REQUIREMENTS.
6. HEATING COIL SELECTION SHALL BE BASED ON A FIXED LEAVING AIR TEMPERATURE AND VARIABLE FLOW (GPM). PROVIDE FINAL MAXIMUM FLOW RATE (GPM) TO TEST AND BALANCE & TEMPERATURE CONTROLS CONTRACTORS.

UNIT HEATER SCHEDULE - HOT WATER

SYMBOL	SERVICE	TYPE	CFM	MBH	GPM	EWT °F	LWT °F	W.P.D. FT. HEAD	ELECTRICAL				CONTROL	MANUFACTURER	MODEL	REMARKS		
									HP	RPM	VOLT-PHASE	DISCONNECT BY (NOTE A) / CONTROLLER/STARTER BY (NOTE B)						
UH-1	MECHANICAL 1111	HORIZONTAL	395	7.45	0.8	140	120	0.010	0.02145	1,550	120-1	E.C.	NF	E.C.	TCC	VULCAN	HV-18	NOTE 1
UH-2	MECHANICAL 1111	HORIZONTAL	395	7.45	0.8	140	120	0.010	0.02145	1,550	120-1	E.C.	NF	E.C.	TCC	VULCAN	HV-18	NOTE 1
UH-3	RECEIVING 1015	HORIZONTAL	380	7.8	0.8	140	120	0.014	0.02145	1,350	120-1	E.C.	NF	E.C.	TCC	VULCAN	HV-24	NOTE 1
UH-4	ELECTRICAL 1112	HORIZONTAL	395	7.45	0.8	140	120	0.010	0.02145	1,550	120-1	E.C.	NF	E.C.	TCC	VULCAN	HV-18	NOTE 1
UH-5	EMERGENCY ELEC 1114	HORIZONTAL	395	7.45	0.8	140	120	0.010	0.02145	1,550	120-1	E.C.	NF	E.C.	TCC	VULCAN	HV-18	NOTE 1

- NOTES:
1. REFER TO 9/M7.01 FOR CONTROL DIAGRAM.
2. WALL MOUNTED.
3. INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD-SUPPLIED INTERCONNECTED WIRING.

COMPUTER ROOM UNIT SCHEDULE - DIRECT EXPANSION

SYMBOL	SERVICE	CFM	REFRIGERANT COOLING COIL				FILTERS	ELECTRICAL					MANUFACTURER	MODEL	REMARKS	
			EAT °F	FWB	TOTAL	SENSIBLE		TYPE	VOLT-PHASE	FLA/FLA	MCA	DISCONNECT BY (NOTE A) / CONTROLLER/STARTER BY (NOTE A)				
CRU-1	IT 1106	399	R410A	80	67	9.0	7.38	MERV 8	208-1	0.76	1.0	MFR	MFR	MITSUBISHI	MSV-GE09NA	NOTE 1, 2
CRU-2	IT 1115	533	R410A	80	67	14.0	11.2	MERV 8	208-1	0.76	1.0	MFR	MFR	MITSUBISHI	MSV-GE15NA	NOTE 1, 2

- NOTES:
1. REFER TO 4/M7.01 FOR CONTROL DIAGRAM.
2. WALL MOUNTED.
3. INDOOR UNITS RECEIVE POWER FROM OUTDOOR UNITS THROUGH FIELD-SUPPLIED INTERCONNECTED WIRING.

CONDENSING UNIT SCHEDULE

SYMBOL	SERVICE	NOMINAL DESIGN TONS	REFRIGERANT	AMBIENT TEMP. °F	VOLT-PHASE	HP	FLA	ELECTRICAL		CONTROLLER/STARTER BY	MANUFACTURER	MODEL	REMARKS
								DISCONNECT BY (NOTE A) / TYPE (NOTE B)	BY				
CU-1	IT 1106	0.75	R410A	95	208-1	0.885	0.50	MFR	MFR	NOTE 1	MITSUBISHI	MUY-GE09NA	NOTE 1, 2
CU-2	IT 1115	1.5	R410A	95	208-1	1.448	0.50	MFR	MFR	NOTE 1	MITSUBISHI	MUY-GE15NA	NOTE 1, 2

- NOTES:
1. REFER TO 1/M7.02 AND SPECIFICATION SECTION 15785 FOR MORE INFORMATION.
2. PROVIDE WITH LOW AMBIENT KIT.

TERMINAL AIR BOX SCHEDULE - SINGLE DUCT REHEAT (SECOND FLOOR)

SYMBOL TAB -	AREA SERVED	CFM			HEATING COIL (NOTES 5 & 6)			MIN. INLET SIZE (IN)	CONTROL TYPE (NOTE 3)	SENSOR TYPE (NOTE 4)	MANUFACTURER	MODEL	REMARKS	
		COOLING MAX.	HEATING MAX.	MIN.	EAT °F	LAT °F	EWT °F							MAX. GPM
200	CORRIDOR 2106 (WEST)	545	405	230	55	75	110	1.7	8	B	1	TITUS	DESX	NOTES 1, 2
201	CLASSROOM 2002	1,055	390	325	55	95	140	1.4	12	B	1	TITUS	DESX	NOTES 1, 2
202	CLASSROOM 2001	900	390	230	55	95	140	1.7	10	B	1	TITUS	DESX	NOTES 1, 2
203	CLASSROOM 2000	900	390	230	55	95	140	1.7	10	B	1	TITUS	DESX	NOTES 1, 2
204	WOMEN 2104	720	720	720	55	95	140	3.1	10	A	1	TITUS	DESX	NOTES 1, 2
205	MEN 2102	670	670	670	55	95	140	2.9	10	A	1	TITUS	DESX	NOTES 1, 2
206	CLASSROOM 2004	1,165	400	325	55	95	140	1.5	12	B	1	TITUS	DESX	NOTES 1, 2
207	CLASSROOM 2003	1,165	400	325	55	95	140	1.5	12	B	1	TITUS	DESX	NOTES 1, 2
208	CLASSROOM 2005	1,165	400	325	55	95	140	1.5	12	B	1	TITUS	DESX	NOTES 1, 2
209	CLASSROOM 2006	1,165	400	325	55	95	140	1.5	12	B	1	TITUS	DESX	NOTES 1, 2
210	CORRIDOR 2106 (WEST)	900	405	230	55	95	140	1.7	10	B	1	TITUS	DESX	NOTES 1, 2
211	CLASSROOM 2007	1,165	400	325	55	95	140	1.5	12	B	1	TITUS	DESX	NOTES 1, 2
212	CORRIDOR 2106 (LOUNGE)	775	535	230	55	95	140	1.7	10	B	1	TITUS	DESX	NOTES 1, 2
213	COMPUTER LAB 2017	2,310	695	580	55	95	140	2.7	16	B	1	TITUS	DESX	NOTES 1, 2
214	TSS OFFICE 2014 & PRINTING 2015	450	140	95	55	75	110	0.60	8	A	1	TITUS	DESX	NOTES 1, 2
215	REPAIR SPACE 2016	185	80	80	55	95	140	0.8	6	B	1	TITUS	DESX	NOTES 1, 2
216	CORRIDOR 2106 (EAST)	2,030	730	580	55	95	140	3	16	B	1	TITUS	DESX	NOTES 1, 2
217	COMPUTER LAB 2013	2,265	695	580	55	95	140	2.6	16	B	1	TITUS	DESX	NOTES 1, 2
218	PHYSICS PREP 2009	140	140	80	55	75	110	1.1	6	A	1	TITUS	DESX	NOTES 1, 2
219	PHYSICS LAB 2008	1,360	530	325	55	95	140	1.8	14	B	1	TITUS	DESX	NOTES 1, 2
220	CHEMISTRY LAB 2012	2,440	2,440	2,440	55	95	140	7	16	A	1	TITUS	DESX	NOTES 1, 2
221	CHEM STORAGE 2011	215	215	215	55	95	140	0.8	6	A	1	TITUS	DESX	NOTES 1, 2
222	CHEM PREP 2010	1,155	1,155	1,155	55	95	140	3.2	14	B	1	TITUS	DESX	NOTES 1, 2
223	ELEC 2108	150	-	50	55	55	-	-	6	D	1	TITUS	DESX	NOTES 1, 2
224	CORRIDOR 2106 (EAST)	405	405	405	55	95	140	1.75	14	B	1	TITUS	DESX	NOTES 1, 2
225	TSS OFFICE 2014	110												



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JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
MECHANICAL SCHEDULES

SHEET NUMBER:

M5.02

HOT WATER COIL SCHEDULE

SYMBOL	SERVICE	SIZE L x H (IN.)	COOLING CFM	HEATING CFM	FACE VELOCITY (FPM)	EAT	LAT	TOTAL MBH	A.P.D. IN. W.C. (NOTE 3)	EWT °F	LWT °F	GPM	W.P.D. FT. HEAD	CONTROL TYPE (NOTE 1)	SENSOR TYPE (NOTE 2)	REMARKS
						FDB	FDB									
HC-101	DINING 101B	58 x 30	5540	1665	500	55	95	71.9	0.5	140	120	2.9	10	B	1	NOTE 1, 2, 3

- NOTES:**
 1. REFER TO 5M7.02 FOR CONDENSING HOT WATER BOILER CONTROL DIAGRAM.
 2. SENSOR TYPE 1 - SENSOR ONLY.
 3. THE SCHEDULED AIR PRESSURE DROP LIMIT IS BASED ON COOLING CFM.

RADIATION SCHEDULE

SYMBOL	SERVICE	MBH	GPM	FACE VELOCITY (FPM)	EAT	LAT	TOTAL MBH	A.P.D. IN. W.C. (NOTE 3)	EWT °F	LWT °F	GPM	W.P.D. FT. HEAD	CONTROL TYPE (NOTE 1)	SENSOR TYPE (NOTE 2)	REMARKS
		LENGTH (FT)	HEIGHT (IN)	DEPTH (IN)											
RAD-101A	CORRIDOR (WEST) FIRST FLOOR	6.9	0.7	812	9'	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5			
RAD-101B	CORRIDOR (WEST) FIRST FLOOR	3.1	0.5	1258	3'	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			
RAD-101C	CORRIDOR (WEST) FIRST FLOOR	4.5	0.5	812	6'	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5			
RAD-102A	COMMONS 1101	38	3.8	1607	24'	8.6	4.8	PEDESTAL	170	RUNTAL	R3F-3	NOTE 1,2,3,5			
RAD-102B	COMMONS 1101	23	2.3	780	29.5'	5.7	4.8	WALL	170	RUNTAL	R2F-2	NOTE 1,3			
RAD-102C	COMMONS 1101	16	1.6	762	21.5'	5.7	4.8	WALL	170	RUNTAL	R2F-2	NOTE 1,3			
RAD-102D	COMMONS 1101	23	2.3	780	29.5'	11.5	1.6	WALL	170	RUNTAL	UFLT-4	NOTE 1,3			
RAD-103A	DINING 101B	14.0	1.5	812	17'11"	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5			
RAD-103B	DINING 1017	29.4	3.0	812	36'10"	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5,7			
RAD-103C	DINING 101B	19.3	2.0	812	27'	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5			
RAD-103D	DINING 101B	28.0	2.9	812	35'	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5,7			
RAD-104A	CORRIDOR (EAST) FIRST FLOOR	13.8	1.4	1258	11'8"	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			
RAD-104B	CORRIDOR (EAST) FIRST FLOOR	32.6	3.3	1258	26'5"	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			
RAD-104C	CORRIDOR (EAST) FIRST FLOOR	14.1	1.5	812	17'11"	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5			
RAD-105A	CORRIDOR (EAST) FIRST FLOOR	2.8	0.5	812	4'	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5			
RAD-105B	CORRIDOR (EAST) FIRST FLOOR	2.8	0.5	812	4'	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5			
RAD-105C	CORRIDOR (EAST) FIRST FLOOR	4.4	0.5	1258	4'	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			
RAD-105D	CORRIDOR (EAST) FIRST FLOOR	12.8	1.3	1258	10'8"	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			
RAD-105E	CORRIDOR (EAST) FIRST FLOOR	7.4	0.8	1258	6'5"	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			
RAD-105F	CORRIDOR (EAST) FIRST FLOOR	1.5	0.5	812	2'5"	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3			
RAD-106	MULTIPURPOSE 1019	14.6	1.5	542	27'3"	5.7	1.6	PEDESTAL	170	RUNTAL	UFLT-2	NOTE 1,2,3			
RAD-201A	CORRIDOR (WEST) SECOND FLOOR	2.8	0.5	812	4'	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,4,5			
RAD-201B	CORRIDOR (WEST) SECOND FLOOR	7.3	0.8	812	9'9"	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,4,5			
RAD-201C	CORRIDOR (WEST) SECOND FLOOR	5.0	0.6	812	6'10"	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,4,5			
RAD-201D	CORRIDOR (WEST) SECOND FLOOR	6.9	0.7	812	9'	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5			
RAD-201E	CORRIDOR (WEST) SECOND FLOOR	2.0	0.5	812	3'	2.8	4.8	PEDESTAL	170	RUNTAL	R3F-1	NOTE 1,2,3,5			
RAD-201F	CORRIDOR (WEST) SECOND FLOOR	6.9	0.7	1258	6'	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			
RAD-202	CORRIDOR SECOND FLOOR (LOUNGE)	10.1	1.1	340	29.5'	2.8	1.6	PEDESTAL	170	RUNTAL	UFLT-1	NOTE 1,2,3			
RAD-203A	CORRIDOR SECOND FLOOR (EAST)	8.8	0.9	1607	6'	8.6	4.8	PEDESTAL	170	RUNTAL	R3F-3	NOTE 1,2,3,5			
RAD-203B	CORRIDOR SECOND FLOOR (EAST)	8.8	0.9	1607	6'	8.6	4.8	PEDESTAL	170	RUNTAL	R3F-3	NOTE 1,2,3,5			
RAD-203C	CORRIDOR SECOND FLOOR (EAST)	8.8	0.9	1607	6'	8.6	4.8	PEDESTAL	170	RUNTAL	R3F-3	NOTE 1,2,3,5			
RAD-203D	CORRIDOR SECOND FLOOR (EAST)	13.2	1.4	1258	11'2"	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			
RAD-203E	CORRIDOR SECOND FLOOR (EAST)	9.3	1.0	1258	7'10"	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			
RAD-203F	CORRIDOR SECOND FLOOR (EAST)	3.1	0.5	1258	3'	5.7	4.8	PEDESTAL	170	RUNTAL	R3F-2	NOTE 1,2,3,5			

- NOTES:**
 1. REFER TO SPECIFICATION SECTION 23 09 00 AND 5M7.03 FOR DESCRIPTION OF CONTROL TYPE/SENSOR.
 2. HEIGHT DOES NOT INCLUDE PEDESTAL. PEDESTAL SHALL BE 3" TALL.
 3. COLOR SELECTION SHALL BE BY ARCHITECT.
 4. PROVIDE AND INSTALL TRIM PIECES BY MANUFACTURER FOR A SEAMLESS LOOK AT CONNECTIONS BETWEEN MULTIPLE RADIATION PANELS.
 5. PROVIDE MODEL R3F TYPE RADIATORS WITH WELDED ON FALSE BACK WITH IDENTICAL APPEARANCE AS FRONT OF RADIATOR (BY MANUFACTURER).
 6. ALL RADIATORS ARE TO BE PROVIDED AS ONE CONTINUOUS PIECE AS SCHEDULED EXCEPT WHERE NOTED OTHERWISE.
 7. RADIATOR SHALL BE MADE UP OF TWO CONTINUOUS PIECES OF EQUAL LENGTH CONNECTED BY A CENTER TRIM.

DUCT SILENCER SCHEDULE

SYMBOL	SERVICE	FACE DIM. WxH (IN.)	CENTERLINE LENGTH (IN.)	TYPE	CFM	VELOCITY	MAX. S.P. DROP IN. W.C. (NOTE 1)	ACOUSTICAL PERFORMANCE AT +1000 FPM																MANUFACTURER	MODEL	REMARKS
								MINIMUM DYNAMIC INSERTION LOSS IN DB								MAXIMUM ALLOWABLE GENERATED NOISE IN DB RE 10 ⁻¹² WATTS										
								OCTAVE BAND CENTER FREQUENCY								OCTAVE BAND CENTER FREQUENCY										
						63	125	250	500	1000	2000	4000	8000	63	125	250	500	1000	2000	4000	8000					
DS-1	RTU-1 SUPPLY	50 x 26	144	NOTE 3	18,070	2,002	0.23	12	23	28	38	47	29	23	24	60	51	42	40	42	45	28	31	VIBROACOUSTICS	CUSTOM	NOTE 2, 4
DS-2	RTU-1 RETURN	52 x 26	108	NOTE 3	18,070	1,925	0.15	8	15	30	34	38	28	27	18	57	50	49	47	46	46	39	36	VIBROACOUSTICS	EXRED-XV-FX	NOTE 2, 4
DS-3	RTU-3 SUPPLY	60 x 38	180	NOTE 3	38,125	2,408	0.26	12	29	30	43	49	36	23	21	66	59	50	49	50	53	46	40	VIBROACOUSTICS	CUSTOM	NOTE 2, 4
DS-4	RTU-3 RETURN	78 x 38	102	NOTE 3	38,125	1,852	0.17	8	15	28	32	39	29	26	17	67	58	55	53	53	52	49	45	VIBROACOUSTICS	RED-XV-FX	NOTE 2, 4
DS-5	RTU-2 SUPPLY	28 x 14	168	NOTE 3	3,845	1,412	0.21	12	26	31	49	50	32	23	18	57	41	32	30	32	33	15	21	VIBROACOUSTICS	CUSTOM	NOTE 2, 4
DS-6	EF-4 & 5	30 x 18	144	NOTE 3	4,215	1,124	0.10	14	21	34	30	20	18	16	15	49	33	30	27	37	28	<10	<10	VIBROACOUSTICS	CUSTOM	NOTE 2, 5

- NOTES:**
 1. PRESSURE DROP VALUES LISTED ARE PER ASTM E477-99 TEST PROCEDURE AND DO NOT INCLUDE SYSTEM EFFECTS. MAXIMUM PRESSURE DROP INCLUDING SYSTEM EFFECTS BASED ON LESS THAN IDEAL INLET AND OUTLET FLOW CONDITIONS SHALL BE 0.35.
 2. SILENCERS SHALL BE CONSTRUCTED TO OBTAIN A MAXIMUM MECHANICAL BACKGROUND NOISE OF NC50 WITHIN EACH SPACE.
 3. REFER TO 3M4.03 DUCT SILENCER DETAIL FOR MORE INFORMATION REGARDING DUCT SILENCER GEOMETRY AND DIMENSIONS.
 4. FIBERGLASS CLOTH SEPARATING MEDIA FROM AIRSTREAM.
 5. NO MEDIA "PACKLESS SILENCER."

CEILING PANEL RADIATION SCHEDULE (FIRST FLOOR)

SYMBOL	SERVICE	MBH	GPM	LENGTH (FT) (NOTE 2)	HEIGHT (IN)	WIDTH (IN)	BTU/FT (NOTE 5)	AVERAGE WATER TEMP. °F	MANUFACTURER	MODEL	REMARKS
RCP-102A	FACULTY OFFICE 1009	5.8	0.6	15	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-102B	FACULTY OFFICE 1009	3.1	0.5	8	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-103	FACULTY OFFICE 1008	3.9	0.5	10	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-104	FACULTY OFFICE 1007	3.5	0.5	9	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-105	FACULTY OFFICE 1006	3.9	0.5	10	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-106	FACULTY OFFICE 1005	3.9	0.5	10	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-107A	BOOKSTORE 1000	3.1	0.5	8	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-107B	BOOKSTORE 1000	11.5	1.2	29.5	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-108	STORAGE 1013	4.0	0.5	10.33	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-109	LARGE TESTING ROOM 1043	9.7	1.0	25	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-110	SMALL TESTING ROOM 1042	1.9	0.5	5	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-111	SMALL TESTING ROOM 1041	2.7	0.5	7	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-112	SMALL TESTING ROOM 1040	2.7	0.5	7	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-113A	TUTORING 1036	4.1	0.5	10.5	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-113B	TUTORING 1036	2.3	0.5	6	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-114	SHARED OFFICE 1037	3.7	0.5	9.5	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-115	CARRIER SERVICES 1035	3.3	0.5	8.5	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-116	COUNSELLING 1034	3.3	0.5	8.5	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-117	COUNSELLING 1033	3.1	0.5	8	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-118	COUNSELLING 1029	3.1	0.5	8	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-119	ADMISSION 1028	3.1	0.5	8	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-120	FINANCIAL AID 1027	3.1	0.5	8	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-121	FINANCIAL AID 1026	3.3	0.5	8.5	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-122	STUDENT ACTIVITY 1022	4.7	0.5	12	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4
RCP-123A	LINK 1120	2.1	0.5	5.5	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4, 6
RCP-123B	LINK 1120	5.5	0.6	14.25	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4, 6
RCP-123C	LINK 1120	5.5	0.6	14.25	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4, 6
RCP-123D	LINK 1120	2.3	0.5	6	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4, 6
RCP-123E	LINK 1120	2.3	0.5	6	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4, 6
RCP-123F	LINK 1120	5.5	0.6	14.25	5	24	389	170	AIRTEX	HEF-2	NOTE 1, 3, 4, 6



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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
HEATING WATER FLOW DIAGRAM

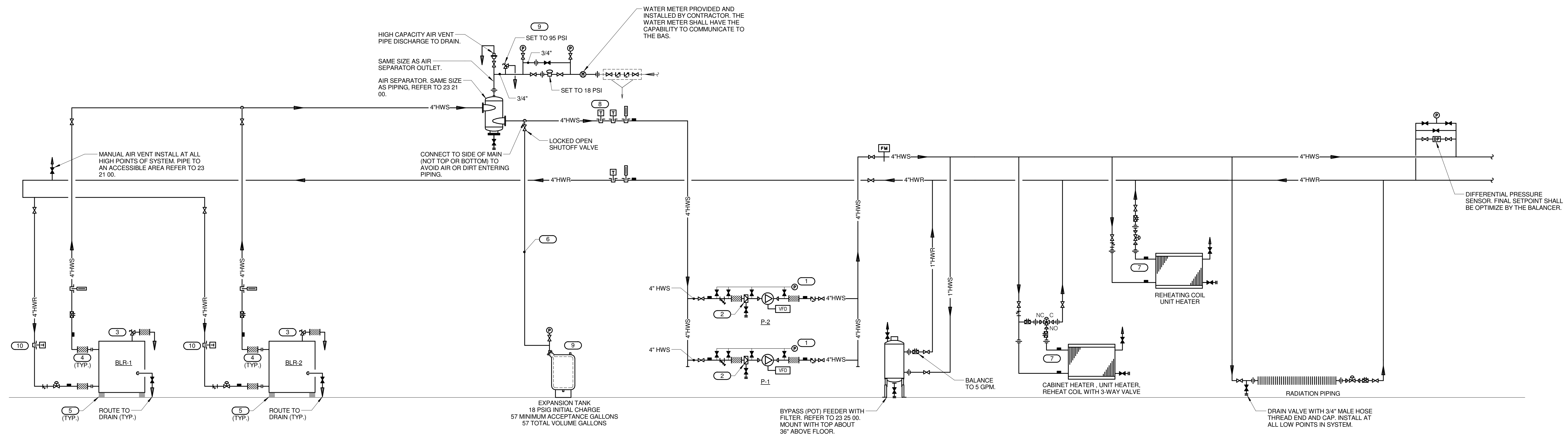
SHEET NUMBER:
M6.00

HEATING WATER FLOW DIAGRAM SYMBOL LIST

SYMBOL:	DESCRIPTION:
	HEATING WATER RETURN
	HEATING WATER SUPPLY
	COLD WATER - POTABLE
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	FLEXIBLE CONNECTION
	PRESSURE/TEMPERATURE TEST PLUG
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT/FOB
	METER
	SUCTION DIFFUSER (FURNISHED WITH BALL VALVE)
	AUTOMATIC AIR VENT
	MANUAL AIR VENT
	DRAIN VALVE WITH HOSE CONNECTION AND CAP
	TEMPERATURE SENSOR WITH WELL
	THERMOMETER WITH WELL (FILLED TYPE)
	UNION/FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	BALANCING VALVE
	CONTROL VALVE (TWO-WAY)
	CONTROL VALVE (THREE-WAY)
	CHECK VALVE
	SAFETY/RELIEF VALVE
	PRESSURE REDUCING VALVE (LIQUID/GAS)
	'WYE' - STRAINER
	'WYE' - STRAINER W/SHUTOFF VALVE AND HOSE CONNECTION WITH CAP

KEYNOTES

- PRESSURE GAUGE WITH SNUBBER PER SECTION 23 09 13. INSTALL WITH MOUNTING ON WALL, STAND, OR VIBRATION-FREE PIPE ABOVE BRACKET PUMP FLEXIBLE CONNECTOR. INSTALL FLEXIBLE COPPER TUBING TO PIPING CONNECTIONS TO AVOID VIBRATION DAMAGE TO THE GAUGE. PREFERRED CONNECTION LOCATIONS ARE:
 (a) JUST UPSTREAM OF STRAINER
 (b) GAUGE PORT ON SUCTION DIFFUSER OR BETWEEN STRAINER AND PUMP INLET
 (c) GAUGE TAPPING ON PUMP INLET FLANGE
 (d) GAUGE TAPPING ON PUMP OUTLET FLANGE
- REMOVE & RETAIN TEMPORARY STRAINER FROM SUCTION DIFFUSER AT END OF CONSTRUCTION. PROVIDE SUPPORT LEG AS REQUIRED BY MANUFACTURER.
- INSTALL SAFETY RELIEF VALVE PROVIDED BY BOILER MANUFACTURER. PIPE TO DRAIN. SUPPORT SOLIDLY AND INSTALL F02 TO AVOID STRAIN ON THE RELIEF VALVE.
- INSTALL FLEXIBLE CONNECTOR PROVIDED BY BOILER MANUFACTURER. (IF RECOMMENDED BY BOILER MANUFACTURER).
- INSTALL VIBRATION ISOLATORS PROVIDED BY BOILER MANUFACTURER. (IF RECOMMENDED BY MANUFACTURER) TO TANK.
- SIZE PER BLADDER TANK MANUFACTURERS RECOMMENDATIONS BUT NOT SMALLER THAN CONNECTION TO TANK.
- ARRANGE PIPING SO COILS CAN BE REMOVED WITHOUT REMOVING PIPING ABOVE THE UNIONS OR FLANGES.
- TEMPERATURE SENSOR PROVIDED BY BOILER MANUFACTURER, WIRED TO BOILER/BOILER CONTROL PANEL.
- EXPANSION TANK AND RELIEF VALVE ARE SIZED BASED ON THE LOWEST MAX OPERATING PRESSURE OF THE ACCEPTABLE BOILER MANUFACTURERS. IF THE BASIS OF DESIGN BOILER IS SELECTED, COORDINATE THE REVISED SIZING WITH THE ENGINEER.
- PROVIDED BY THE BOILER MANUFACTURER, INSTALLED BY THE CONTRACTOR.



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REFERENCE SCALE IN INCHES
 0 1 2 3

PACKAGE ROOFTOP UNIT SYSTEM DESCRIPTION:

SEQUENCE OF OPERATION:
 THE TCC SHALL EXTEND THE BUILDING AUTOMATION SYSTEM (BAS) NETWORK TO THE RTU UNITARY CONTROLLER PER THE PROTOCOL SPECIFIED IN SECTION 23 09 00. THE TCC SHALL PROVIDE ALL ADDITIONAL CONTROL COMPONENTS REQUIRED TO ACCOMPLISH THE SEQUENCE OF OPERATION LISTED BELOW.

WHEN RTU IS INDEXED TO RUN, THE FOLLOWING SHALL OCCUR:

- SMOKE DAMPERS SHALL OPEN.
- AFTER A 30 SECOND DELAY TO ALLOW FOR THE SMOKE DAMPERS OPEN, THE SUPPLY FAN SHALL BE ENABLED TO RUN.
- WHEN THE SUPPLY FAN HAS STARTED THE RETURN/EXHAUST FAN SHALL START.

BUILDING OCCUPANCY SCHEDULING:
 BAS SHALL BE PROGRAMMED WITH THE FOLLOWING ADJUSTABLE OCCUPANCY SCHEDULE:

- MORNING START-UP MODE:**
 MONDAY THROUGH FRIDAY 7:00AM-8:00AM (ADJ.)
 SATURDAY 7:01AM-8:00AM (ADJ.)
- OCCUPIED MODE:**
 MONDAY THROUGH FRIDAY 8:01AM-9:00PM (ADJ.)
 SATURDAY 8:01AM-12:00PM (ADJ.)
- UNOCCUPIED MODE:**
 MONDAY THROUGH FRIDAY 9:01PM-5:00AM (ADJ.)
 SATURDAY 12:01PM-7:00AM (ADJ.)
 SUNDAY 12:00AM-12:00PM (ADJ.)

SUPPLY FAN CONTROL:
 RTU CONTROLLER SHALL MODULATE THE SIGNAL TO THE SUPPLY FAN VFD AS REQUIRED TO MAINTAIN DUCT STATIC PRESSURE AS MEASURED BY STATIC PRESSURE TRANSMITTER. RESET SUPPLY DUCT STATIC PRESSURE SETPOINT AS REQUIRED TO MAINTAIN SUPPLY TAB DAMPER 95% (ADJ.) OPEN. BAS SHALL UTILIZE COMMAND TO ALL SUPPLY TERMINAL AIR BOX POSITIONS TO RESET THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE.

RETURN/EXHAUST FAN CONTROL:
 RETURN/EXHAUST FAN SHALL BE INDEXED TO RUN WHENEVER THE SUPPLY FAN IS INDEXED TO RUN. THE RTU/BAS SHALL TRACK THE SUPPLY FAN CFM VIA THE AIRFLOW MEASURING STATION. THE RTU CONTROLLER SHALL MODULATE THE SIGNAL TO RETURN FAN VFD TO MAINTAIN THE APPROPRIATE OFFSET BETWEEN SUPPLY AND RETURN AIRFLOW. THE APPROPRIATE OFFSET SHALL BE:
 • EQUAL TO THE FINAL TEST AND BALANCE CFM OF THE JANITORS CLOSET IN THE SERVERY WHEN EF-1 AND EF-2 ARE OFF.
 • EQUAL TO THE FINAL TEST AND BALANCE CFM OF THE JANITORS CLOSET IN THE SERVERY PLUS EF-1 AND EF-2 WHEN THEY ARE IN OPERATION.

DISCHARGE AIR TEMPERATURE CONTROL:
 DISCHARGE AIR TEMPERATURE (DAT) SHALL BE 55°F (ADJ.). IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 5°F (ADJ.) ABOVE OR BELOW THE SETPOINT, AND ALARM SHALL BE SENT TO THE OPERATOR INTERFACE.

VENTILATION AIR CONTROL:
 AN ACCEPTABLE CO2 LEVEL SHALL BE DEFINED AS THE CONDITION WHEN ALL OF THE INDIVIDUAL SPACE CO2 SENSORS INDICATE THEIR CO2 LEVELS ARE NO MORE THAN 700 PPM (ADJ.) ABOVE THE OUTSIDE REFERENCE LEVEL.

DURING ECONOMIZER MODE: THE RETURN AIR DAMPER SHALL BE 100% CLOSED AND THE OUTSIDE AIR DAMPER SHALL BE 100% OPEN.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS ABOVE SETPOINT AND THE OUTSIDE AIR TEMPERATURE IS ABOVE THE DAT AND BELOW THE RETURN AIR TEMPERATURE, THE FOLLOWING SHALL OCCUR IN SEQUENCE:

- THE RETURN AIR DAMPER SHALL REMAIN 100% CLOSED AND THE OUTSIDE AIR DAMPER SHALL REMAIN 100% OPEN.
- THE RTU SHALL ENABLE THE COMPRESSORS AND CYCLE THE COOLING TO MAINTAIN THE DISCHARGE AIR SETPOINT.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS ABOVE SETPOINT AND THE OUTSIDE AIR TEMPERATURE IS ABOVE THE RETURN AIR TEMPERATURE, THE FOLLOWING SHALL OCCUR IN SEQUENCE:

- THE OA DAMPER AND RETURN AIR DAMPER SHALL MODULATE TO THE SCHEDULED OUTSIDE AIR CFM AS DETERMINED BY THE AIRFLOW MEASURING STATION.
- ONCE THE OUTSIDE AIR DAMPER AND RETURN AIR DAMPER ARE IN POSITION, THE RTU SHALL ENABLE THE COMPRESSORS AND CYCLE THE COOLING TO MAINTAIN THE DISCHARGE AIR SETPOINT.
- AFTER THE UNIT HAS RUN IN THIS MODE FOR ONE HOUR (ADJ.) THE BAS SHALL EVALUATE ALL OF THE SPACE CO2 LEVELS. IF ALL SPACE CO2 LEVELS ARE ACCEPTABLE, THE OA DAMPER SHALL MODULATE CLOSED AND THE RETURN AIR DAMPER SHALL MODULATE OPEN UNTIL THE WORST CASE CO2 SENSOR IS 550 PPM ABOVE THE OUTSIDE REFERENCE POINT FOR 10 CONSECUTIVE MINUTES (ADJ.). ONCE THE WORST CASE CO2 LEVEL IS 650 PPM (ADJ.) ABOVE THE OUTSIDE REFERENCE POINT FOR 45 MINUTES (ADJ.), THE ASSOCIATED TABS SHALL MODULATE OPEN. IF THE TABS REMAIN OPEN TO THEIR MAX POSITION AND THE CO2 LEVEL IS STILL UNACCEPTABLE, THE OA DAMPER AND THE RETURN AIR DAMPER SHALL MODULATE TO THE SCHEDULED OUTSIDE AIR CFM AS DETERMINED BY THE AIRFLOW MEASURING STATION. THE DAMPERS SHALL CONTINUE TO CONTROL TO THE SCHEDULED OA CFM FOR 45 MINUTES (ADJ.) AFTER WHICH THE BAS SHALL REEVALUATE ALL OF THE SPACE CO2 LEVELS. IF EACH SPACE CO2 LEVEL IS ACCEPTABLE, REPEAT THE SEQUENCE DESCRIBED ABOVE. IF THE SPACE CO2 LEVELS ARE NOT ACCEPTABLE, THEN THE DAMPERS SHALL CONTINUE TO CONTROL TO THE SCHEDULED OA CFM FOR 45 MINUTES (ADJ.) AFTER WHICH THE BAS SHALL REEVALUATE ALL OF THE SPACE CO2 LEVELS.
- EF-1 AND EF-2 EACH SERVE A KITCHEN EXHAUST HOOD. THE BAS SHALL MONITOR THE OPERATION OF THESE FANS. IF AT ANY TIME ONE OR BOTH OF THESE EXHAUST FANS ARE OPERATING, THE RTU SHALL CONTROL THE OUTSIDE AIR LEVEL SO THAT IT IS EQUAL TO OR ABOVE THE CFM OF THESE EXHAUST FANS. THE EXHAUST FAN CFM SHALL BE THAT DETERMINED BY THE FINAL TEST AND BALANCE REPORT AND NOT THE SCHEDULED CFM.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS BELOW SETPOINT, THE FOLLOWING SHALL OCCUR IN SEQUENCE:

- THE OA DAMPER SHALL MODULATE CLOSED AND THE RETURN AIR DAMPER SHALL MODULATE OPEN TO MAINTAIN DAT OR UNTIL THE OA REACHES THE SCHEDULED OUTSIDE AIR CFM AS DETERMINED BY THE AIRFLOW MEASURING STATION.
- IF THE LEVEL REACHES THE SCHEDULED OA CFM AND THE DAT IS BELOW SETPOINT THE RTU SHALL ENABLE THE GAS HEATING SYSTEM TO MAINTAIN SETPOINT.
- AFTER THE UNIT HAS BEGUN TO USE THE GAS HEATING TO MAINTAIN DAT FOR ONE HOUR (ADJ.) THE BAS SHALL EVALUATE ALL OF THE SPACE CO2 LEVELS. IF ALL SPACE CO2 LEVELS ARE ACCEPTABLE, THE OA DAMPER SHALL MODULATE CLOSED AND THE RETURN AIR DAMPER SHALL MODULATE OPEN UNTIL THE WORST CASE CO2 SENSOR IS 550 PPM ABOVE THE OUTSIDE REFERENCE LEVEL. ONCE THE WORST CASE CO2 LEVEL IS 650 PPM (ADJ.) ABOVE THE OUTSIDE REFERENCE POINT FOR 10 CONSECUTIVE MINUTES (ADJ.), THE ASSOCIATED TABS SHALL MODULATE OPEN. IF THE TABS REMAIN OPEN TO THEIR MAX POSITION AND THE CO2 LEVEL IS STILL UNACCEPTABLE, THE OA DAMPER AND THE RETURN AIR DAMPER SHALL MODULATE TO THE SCHEDULED OUTSIDE AIR CFM AS DETERMINED BY THE AIRFLOW MEASURING STATION. THE DAMPERS SHALL CONTINUE TO CONTROL TO THE SCHEDULED OA CFM FOR 45 MINUTES (ADJ.) AFTER WHICH THE BAS SHALL REEVALUATE ALL OF THE SPACE CO2 LEVELS. IF EACH SPACE CO2 LEVEL IS ACCEPTABLE, REPEAT THE SEQUENCE DESCRIBED ABOVE. IF THE SPACE CO2 LEVELS ARE NOT ACCEPTABLE, THEN THE DAMPERS SHALL CONTINUE TO CONTROL TO THE SCHEDULED OA CFM FOR 45 MINUTES (ADJ.) AFTER WHICH THE BAS SHALL REEVALUATE ALL OF THE SPACE CO2 LEVELS.
- EF-1 AND EF-2 EACH SERVE A KITCHEN EXHAUST HOOD. THE BAS SHALL MONITOR THE OPERATION OF THESE FANS. IF AT ANY TIME ONE OR BOTH OF THESE EXHAUST FANS ARE OPERATING, THE RTU SHALL CONTROL THE OUTSIDE AIR LEVEL SO THAT IT IS EQUAL TO OR ABOVE THE CFM OF THESE EXHAUST FANS. THE EXHAUST FAN CFM SHALL BE THAT DETERMINED BY THE FINAL TEST AND BALANCE REPORT AND NOT THE SCHEDULED CFM.

ALARMS, INTERLOCKS AND SAFETIES:

- THE FOLLOWING SAFETIES SHALL BE INSTALLED BY THE TCC IN THE FIELD.
- HIGH STATIC SWITCH (WIRED TO SUPPLY FAN).
- LOW STATIC SWITCH (WIRED TO RETURN/EXHAUST FAN).
- FIRE ALARM RELAY (WIRED TO ALL FANS).
- RETURN DUCT SMOKE DETECTOR.
- SUPPLY DUCT SMOKE DETECTOR.

SEND AN ALARM TO THE BAS FOR THE FOLLOWING:

- SUPPLY FAN VFD FAULT.
- RETURN/EXHAUST FAN VFD FAULT.
- DIRTY FILTERS (WHEN FILTER PRESSURE DROP EXCEEDS 0.6" W.C. (ADJ.)).
- IF DISCHARGE AIR TEMPERATURE IS MORE THAN 5°F (ADJ.) ABOVE OR BELOW SETPOINT.
- IF THE OUTSIDE AIRFLOW FALLS 10% BELOW THE SCHEDULED VALUE.
- IF THE FIRE ALARM SYSTEM IS ACTIVATED.
- EMERGENCY STOP.
- IF THE ANSUL FIRE PROTECTION SYSTEM IS ACTIVATED THE BAS SHALL SEND AN ALARM TO THE OPERATOR INTERFACE AND SHALL SHUTDOWN.

WHENEVER RTU IS SHUTDOWN THE BAS SHALL COMMAND THE FOLLOWING TO OCCUR:

- SUPPLY FAN AND RETURN/EXHAUST FAN SHALL STOP.
- OUTSIDE AIR, SUPPLY AIR, RETURN/EXHAUST, AND EXHAUST AIR DAMPERS SHALL FULLY CLOSE. THE RETURN AIR DAMPER SHALL FULLY OPEN.
- HEATING AND COOLING SHALL BE DISABLED.

MORNING START-UP OPERATION:

- THE BAS SHALL MEASURE EACH OF THE SPACE TEMPERATURES AND OUTSIDE AIR TEMPERATURE TO DETERMINE THE MINIMUM RUNTIME TO WARM THE SPACES TO THEIR SETPOINT.
- WHEN THE COMPUTED START TIME IS REACHED THE BAS SHALL ENABLE THE RTU.
- WHEN THE COMPUTED START TIME IS REACHED THE BAS SHALL ENABLE THE RTU.
- RESET ALL SPACE TEMP SETPOINTS TO OCCUPIED SPACE TEMPERATURE SETPOINTS.
- THE RETURN AIR DAMPER SHALL BE OPEN AND THE OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL REMAIN CLOSED. THE RTU SHALL OPERATE IN RECIRCULATION MODE UNTIL THE OCCUPIED SPACE TEMPERATURE IS ACHIEVED. ONCE THE SETPOINT IS ACHIEVED, THE RTU SHALL OPERATE IN OCCUPIED MODE.

UNOCCUPIED MODE OPERATION:

- RTU SHALL BE DISABLED. THE BAS SHALL CHANGE ALL OF THE SPACE SETPOINTS TO THE UNOCCUPIED SETPOINTS INDICATED BELOW, AND THE SUPPLY FAN AND RETURN/EXHAUST FAN SHALL BE ENABLED TO OPERATE INTERMITTENTLY TO MAINTAIN UNOCCUPIED SETPOINTS.
- WHEN OA TEMP IS 55°F (ADJ.) SETPOINT SHALL BE 55°F (ADJ.).
- WHEN OA TEMP IS 55°F (ADJ.) OR BELOW, THE SETPOINT SHALL BE 55°F (ADJ.).
- OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL REMAIN CLOSED. RETURN AIR DAMPER SHALL BE 100% OPEN.

PACKAGE ROOFTOP UNIT SYSTEM DESCRIPTION:

SEQUENCE OF OPERATION:
 THE TCC SHALL EXTEND THE BUILDING AUTOMATION SYSTEM (BAS) NETWORK TO THE RTU UNITARY CONTROLLER PER THE PROTOCOL SPECIFIED IN SECTION 23 09 00. THE TCC SHALL PROVIDE ALL ADDITIONAL CONTROL COMPONENTS REQUIRED TO ACCOMPLISH THE SEQUENCE OF OPERATION LISTED BELOW.

WHEN RTU IS INDEXED TO RUN, THE FOLLOWING SHALL OCCUR:

- SMOKE DAMPERS SHALL OPEN.
- AFTER A 30 SECOND DELAY TO ALLOW FOR THE SMOKE DAMPERS OPEN, THE SUPPLY FAN SHALL BE ENABLED TO RUN.
- WHEN THE SUPPLY FAN HAS STARTED THE RETURN/EXHAUST FAN AND INTERLOCKED SPACE EXHAUST FANS SHALL START AS SHOWN IN THE FAN INTERLOCK SCHEDULE.

BUILDING OCCUPANCY SCHEDULING:
 BAS SHALL BE PROGRAMMED WITH THE FOLLOWING ADJUSTABLE OCCUPANCY SCHEDULE:

- MORNING START-UP MODE:**
 MONDAY THROUGH FRIDAY 5:01AM-6:00AM (ADJ.)
 SATURDAY 5:01AM-6:00AM (ADJ.)
- OCCUPIED MODE:**
 MONDAY THROUGH FRIDAY 6:01AM-9:00PM (ADJ.)
 SATURDAY 6:01AM-12:00PM (ADJ.)
- UNOCCUPIED MODE:**
 MONDAY THROUGH FRIDAY 9:01PM-5:00AM (ADJ.)
 SATURDAY 12:01PM-7:00AM (ADJ.)
 SUNDAY 12:00AM-12:00PM (ADJ.)

SUPPLY FAN CONTROL:
 RTU CONTROLLER SHALL MODULATE THE SIGNAL TO THE SUPPLY FAN VFD AS REQUIRED TO MAINTAIN DUCT STATIC PRESSURE AS MEASURED BY THE STATIC PRESSURE TRANSMITTER. RESET SUPPLY DUCT STATIC PRESSURE SETPOINT AS REQUIRED TO MAINTAIN AT LEAST ONE SUPPLY TAB DAMPER 95% (ADJ.) OPEN. BAS SHALL UTILIZE COMMAND TO ALL SUPPLY TERMINAL AIR BOX POSITIONS TO RESET THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE.

RETURN/EXHAUST FAN CONTROL:
 RETURN/EXHAUST FAN SHALL BE INDEXED TO RUN WHENEVER THE SUPPLY FAN IS INDEXED TO RUN. THE TCC SHALL PROVIDE AND INSTALL 1/4" TUBING FROM THE RTU DIFFERENTIAL PRESSURE TRANSMITTER TO CORRIDOR CEILING ON THE 1ST LEVEL. TUBING SHALL BE POLY TUBING IN CONDUIT OR HARD DRAWN COPPER. LOCATION TO BE DETERMINED PER MANUFACTURER'S RECOMMENDATIONS AND THE ARCHITECT/ENGINEER'S APPROVAL. THE BAS SHALL MODULATE THE SIGNAL TO THE RETURN/EXHAUST FAN VFD AS REQUIRED TO MAINTAIN THE CORRIDOR PRESSURE OF 0.05" W.C. (ADJ.) RELATIVE TO THE OUTDOORS.

DISCHARGE AIR TEMPERATURE CONTROL:
 DISCHARGE AIR TEMPERATURE (DAT) SHALL BE 55°F (ADJ.). IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 5°F (ADJ.) ABOVE OR BELOW THE SETPOINT, AND ALARM SHALL BE SENT TO THE OPERATOR INTERFACE.

DURING ECONOMIZER MODE: THE RETURN AIR DAMPER SHALL BE 100% CLOSED, THE OUTSIDE AIR DAMPER SHALL BE 100% OPEN, THE ENERGY RECOVERY WHEEL BYPASS DAMPERS SHALL BE 100% OPEN, AND THE ENERGY RECOVERY WHEEL SHALL BE DISABLED.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS ABOVE SETPOINT AND THE OUTSIDE AIR TEMPERATURE IS ABOVE THE DAT AND BELOW THE RETURN AIR TEMPERATURE, THE FOLLOWING SHALL OCCUR IN SEQUENCE:

- THE ENERGY RECOVERY WHEEL SHALL BE DISABLED AND THE ENERGY RECOVERY WHEEL BYPASS DAMPERS SHALL BE 100% OPEN.
- THE RETURN AIR DAMPER SHALL REMAIN 100% CLOSED AND THE OUTSIDE AIR DAMPER SHALL REMAIN 100% OPEN.
- THE RTU SHALL ENABLE THE COMPRESSORS AND CYCLE THE COOLING TO MAINTAIN THE DISCHARGE AIR SETPOINT.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS ABOVE SETPOINT AND THE OUTSIDE AIR TEMPERATURE IS ABOVE THE RETURN AIR TEMPERATURE, THE FOLLOWING SHALL OCCUR IN SEQUENCE:

- THE OA DAMPER AND RETURN AIR DAMPER SHALL MODULATE TO MAINTAIN THE SCHEDULED OUTSIDE AIR CFM AS DETERMINED BY THE AIRFLOW MEASURING STATION.
- THE ENERGY RECOVERY WHEEL SHALL BE ENABLED AND THE ENERGY RECOVERY WHEEL BYPASS DAMPERS SHALL MODULATE CLOSED UNTIL SETPOINT IS ACHIEVED.
- ONCE THE OUTSIDE AIR DAMPER AND RETURN AIR DAMPER ARE IN POSITION, THE RTU SHALL ENABLE THE COMPRESSORS AND CYCLE THE COOLING TO MAINTAIN THE DISCHARGE AIR SETPOINT.

WHENEVER THE OUTSIDE AIR IS BELOW THE DISCHARGE AIR TEMPERATURE SETPOINT, THE FOLLOWING SHALL OCCUR IN SEQUENCE:

- THE OA DAMPER SHALL MODULATE CLOSED AND THE RETURN AIR DAMPER SHALL MODULATE OPEN TO MAINTAIN DAT OR UNTIL THE OA REACHES THE SCHEDULED OUTSIDE AIR CFM AS DETERMINED BY THE AIRFLOW MEASURING STATION.
- IF THE OA REACHES THE SCHEDULED OUTSIDE AIR CFM, THE ENERGY RECOVERY WHEEL SHALL BE ENABLED AND THE ENERGY RECOVERY WHEEL BYPASS DAMPERS SHALL MODULATE CLOSED UNTIL SETPOINT IS ACHIEVED.
- IF THE BYPASS DAMPERS ARE FULLY CLOSED AND THE DISCHARGE AIR TEMPERATURE IS BELOW SETPOINT, THE RTU SHALL ENABLE THE GAS HEATING SYSTEM TO MAINTAIN SETPOINT.

ENERGY RECOVERY WHEEL/FROST PREVENTION CONTROL:
 WHENEVER THE EXHAUST AIR TEMPERATURE DOWNSTREAM OF THE ENERGY RECOVERY WHEEL DROPS BELOW 38°F (ADJ.), THE FOLLOWING SHALL OCCUR:

- THE ENERGY RECOVERY WHEEL SHALL MODULATE WITH CAPACITY CONTROL.
- THE ENERGY RECOVERY WHEEL BYPASS DAMPERS SHALL BE FULLY CLOSED.
- THE OA DAMPER AND RETURN AIR DAMPER SHALL CONTINUE TO MAINTAIN THE SCHEDULED OUTSIDE AIR CFM AS DETERMINED BY THE AIRFLOW MEASURING STATION.

ALARMS, INTERLOCKS AND SAFETIES:

- THE FOLLOWING SAFETIES SHALL BE INSTALLED IN THE FIELD.
- HIGH STATIC SWITCH (WIRED TO SUPPLY FAN).
- LOW STATIC SWITCH (WIRED TO RETURN/EXHAUST FAN).
- FIRE ALARM RELAY (WIRED TO ALL FANS).
- RETURN DUCT SMOKE DETECTOR.
- SUPPLY DUCT SMOKE DETECTOR.

SEND AN ALARM TO THE BAS FOR THE FOLLOWING:

- SUPPLY FAN VFD FAULT.
- RETURN/EXHAUST FAN VFD FAULT.
- DIRTY FILTERS (WHEN FILTER PRESSURE DROP EXCEEDS 0.6" W.C. (ADJ.)).
- IF DISCHARGE AIR TEMPERATURE IS MORE THAN 5°F (ADJ.) ABOVE OR BELOW SETPOINT.
- IF THE OUTSIDE AIRFLOW FALLS 10% BELOW THE SCHEDULED VALUE.
- IF THE FIRE ALARM SYSTEM IS ACTIVATED.
- EMERGENCY STOP.
- IF THE RTU ENERGIZES THE ENERGY RECOVERY WHEEL AND THE RTU CONTROLLER DOESN'T SENSE PROPER POWER DRAW OR THE RTU CONTROLLER DOESN'T SENSE PROPER WHEEL RPM.

WHENEVER RTU IS SHUTDOWN THE BAS SHALL COMMAND THE FOLLOWING TO OCCUR:

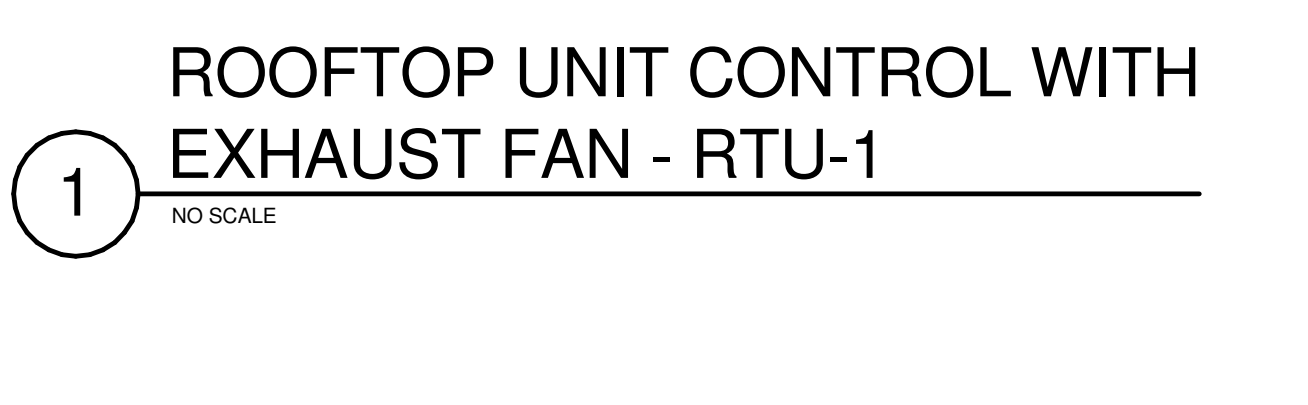
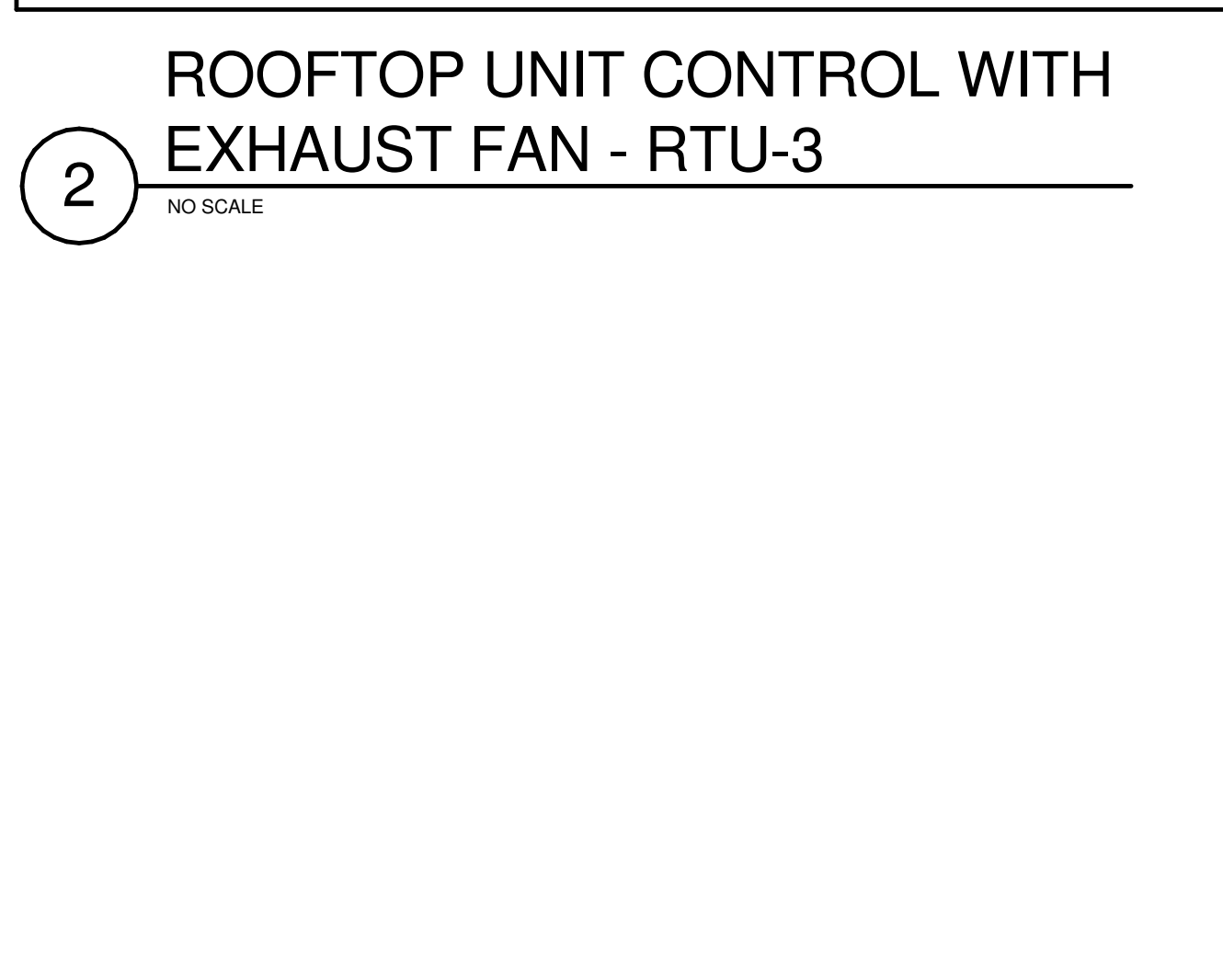
- SUPPLY FAN AND RETURN/EXHAUST FAN SHALL STOP.
- OUTSIDE AIR, SUPPLY AIR, RETURN/EXHAUST AIR, AND EXHAUST AIR DAMPERS SHALL FULLY CLOSE. THE RETURN AIR DAMPER SHALL FULLY OPEN.
- HEATING AND COOLING SHALL BE DISABLED.
- THE ENERGY RECOVERY WHEEL SHALL BE DISABLED.

MORNING START-UP OPERATION:

- THE BAS SHALL MEASURE EACH OF THE SPACE TEMPERATURES AND OUTSIDE AIR TEMPERATURE TO DETERMINE THE MINIMUM RUNTIME TO WARM THE SPACES TO THEIR SETPOINT.
- WHEN THE COMPUTED START TIME IS REACHED THE BAS SHALL ENABLE THE RTU.
- WHEN THE COMPUTED START TIME IS REACHED THE BAS SHALL ENABLE THE RTU.
- RESET ALL SPACE TEMP SETPOINTS TO OCCUPIED SPACE TEMPERATURE SETPOINTS.
- THE RETURN AIR DAMPER SHALL BE OPEN AND THE OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL REMAIN CLOSED. THE RTU SHALL OPERATE IN RECIRCULATION MODE UNTIL THE OCCUPIED SPACE TEMPERATURE IS ACHIEVED. ONCE THE SETPOINT IS ACHIEVED, THE RTU SHALL OPERATE IN OCCUPIED MODE.

UNOCCUPIED MODE OPERATION:

- RTU SHALL BE DISABLED. THE BAS SHALL CHANGE ALL OF THE SPACE SETPOINTS TO THE UNOCCUPIED SETPOINTS INDICATED BELOW, AND THE SUPPLY FAN AND RETURN/EXHAUST FAN SHALL BE ENABLED TO OPERATE INTERMITTENTLY TO MAINTAIN UNOCCUPIED SETPOINTS.
- WHEN OA TEMP IS 55°F (ADJ.) SETPOINT SHALL BE 55°F (ADJ.).
- WHEN OA TEMP IS 55°F (ADJ.) OR BELOW, THE SETPOINT SHALL BE 55°F (ADJ.).
- OUTSIDE AIR AND EXHAUST AIR DAMPERS SHALL REMAIN CLOSED. RETURN AIR DAMPER SHALL BE 100% OPEN.



DDC SHALL COMMUNICATE THE FOLLOWING TO THE RTU CONTROLLER:

- DIFFERENTIAL STATIC PRESSURE SETPOINT (SUPPLY) (W.C.)
- DISCHARGE AIR TEMPERATURE SETPOINT (°F)
- BUILDING OCCUPANCY SCHEDULE
- OUTSIDE AIR TEMPERATURE (°F)
- OUTSIDE AIR HUMIDITY (%RH)
- DIRTY FILTER SETPOINT (W.C.)
- SPACE CO2 LEVEL (ACCEPTABLE/UNACCEPTABLE) (RTU-1)

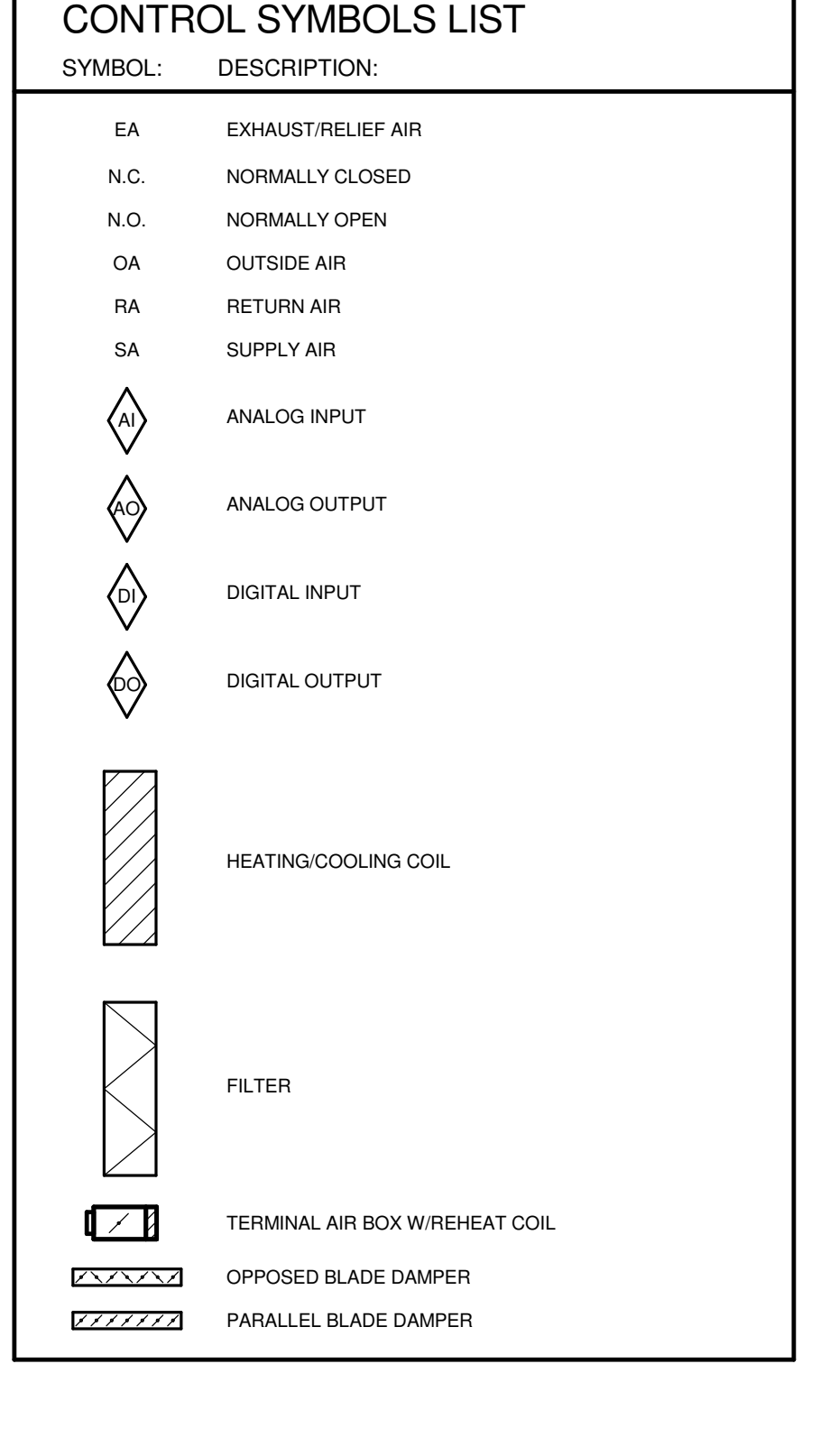
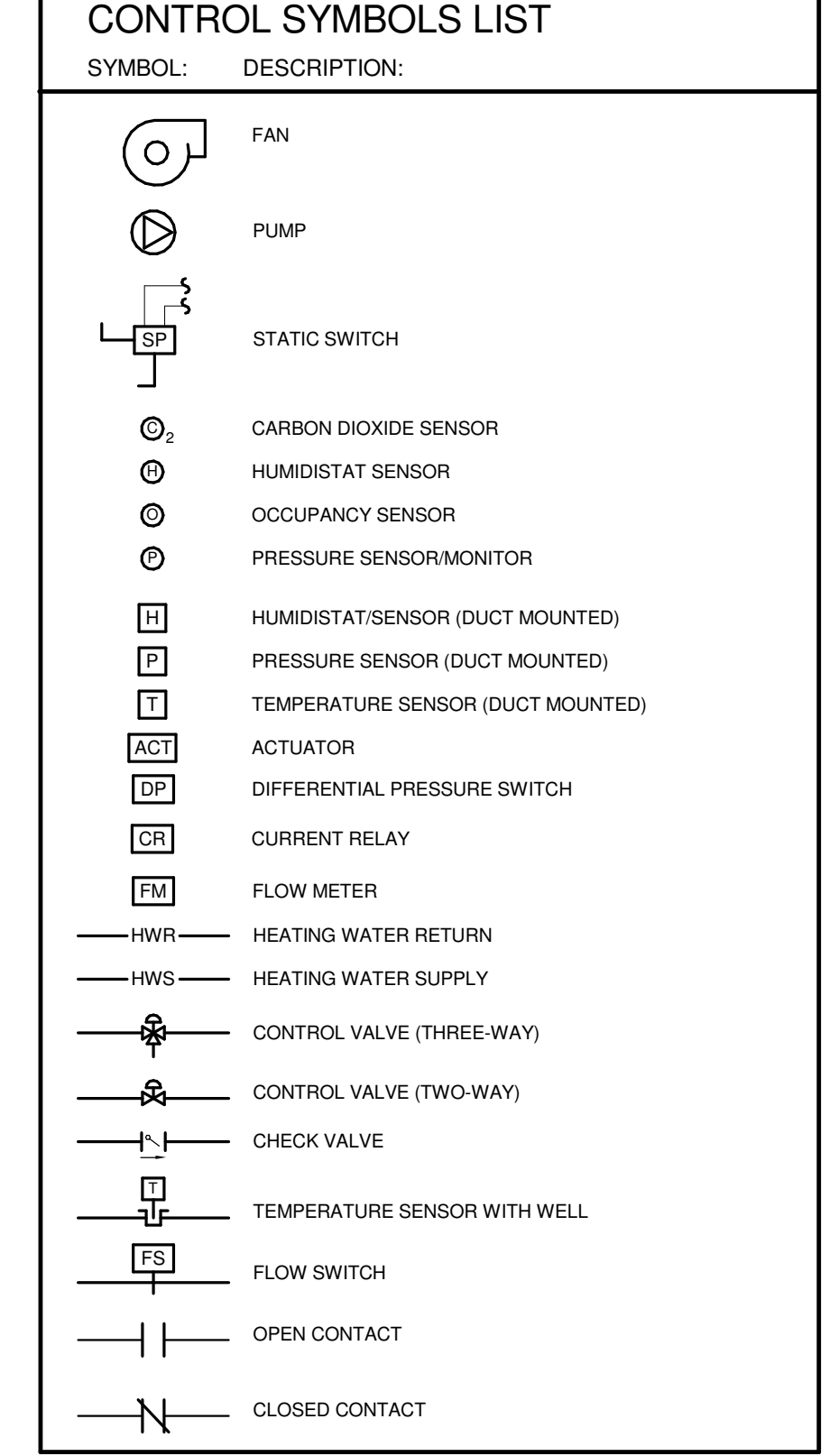
RTU CONTROLLER SHALL COMMUNICATE THE FOLLOWING TO THE DDC:

- MIXED AIR TEMPERATURE (°F)
- DISCHARGE AIR TEMPERATURE (°F)
- SUPPLY FAN STATUS
- SUPPLY FAN VFD OUTPUT (%)
- EXHAUST RETURN FAN STATUS
- EXHAUST RETURN FAN VFD OUTPUT (%)
- ENERGY RECOVERY WHEEL STATUS (ON/OFF) (RTU-3)
- SUPPLY AIRFLOW (CFM)
- EXHAUST AIRFLOW (CFM)
- OUTSIDE AIRFLOW (CFM)
- DIRTY FILTER
- COMPRESSOR STATUS (ON/OFF FOR EACH COMPRESSOR)
- COMPRESSOR RUNTIME (HRS)
- GAS FIRING RATE (%)
- GENERAL ALARM

FAN INTERLOCK SCHEDULE

SYSTEM	INTERLOCKED EXHAUST FANS	REMARKS
RTU-1	NONE	NOTE 1
RTU-2	EF-4, EF-5	NOTE 1
RTU-3	EF-3	NOTE 1

NOTES:
 1. INTERLOCK EXHAUST FAN OPERATION THROUGH THE BAS WITH RESPECTIVE RTU IN ACCORDANCE WITH RTU SEQUENCE OF OPERATION.



GENERAL CONTROL NOTES

- EACH D, D.O., AI AND A.O. POINT SHOWN FOR ALL CONTROL DIAGRAMS SHALL BE DISCRETE FROM ALL OTHER POINTS EXCEPT AS SPECIFICALLY NOTED.
- ALL ACTUATORS SHALL BE OF THE ELECTRICAL TYPE FOR THIS PROJECT (NO PNEUMATIC ACTUATORS ALLOWED).
- ALL MODULATING DAMPER AND VALVE ACTUATORS SERVING TABS AND HYDRONIC CONTROL VALVES SHALL HAVE POSITION FEEDBACK TO THE BUILDING AUTOMATION SYSTEM (BAS). VALVE POSITION SHALL BE DISPLAYED ON GRAPHICAL SCREEN ADJACENT TO THE DAMPER/VALVE COMMAND SIGNAL.
- MODULATING SIGNALS SHALL BE DISPLAYED AS % OPEN (SIGNALS DISPLAYED AS % CLOSED ARE NOT ACCEPTABLE).
- ALL CONTROL COMPONENTS SUCH AS RELAYS, SWITCHES, DDC CONTROLLERS, ETC. SHALL BE MOUNTED IN STEEL ENCLOSURES WITH STEEL MOUNTING BACKPLATES PER SPECIFICATION 23 09 00.
- EACH CONTROL PANEL SHALL HAVE A LAMINATED COPY OF THE APPLICABLE SEQUENCE OF OPERATION AND CONTROL DIAGRAM INDICATING THE POINTS, COMPONENTS AND OPERATION OF EQUIPMENT ASSOCIATED WITH EACH PANEL. REFER TO SECTION 23 09 00 FOR ADDITIONAL REQUIREMENTS.
- CONTROL DIAGRAMS ARE SCHEMATIC IN NATURE AND DO NOT SHOW ALL REQUIRED CONTROL DEVICES AND COMPONENTS. REFER TO PNEUMATIC AND PIPING DIAGRAMS AND DETAILS FOR ADDITIONAL REQUIREMENTS.
- ALL TEMPERATURE CONTROL WIRING SHALL BE ROUTED IN BLUE CONDUIT.

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ROMEONVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEONVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

ISSUED FOR CONSTRUCTION

NO. DESCRIPTION: DATE:

SHEET TITLE: CONTROL DIAGRAMS

SHEET STATUS: 9/21/15

SHEET NUMBER: M7.00

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Issue Design Firm Registration No: 0615-0897

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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
CONTROL DIAGRAMS

SHEET NUMBER:
M7.01

SYSTEM	INTERLOCKED EXHAUST FANS	REMARKS
RTU-1	NONE	NOTE 1
RTU-2	EF-4, EF-5	NOTE 1
RTU-3	EF-3	NOTE 1

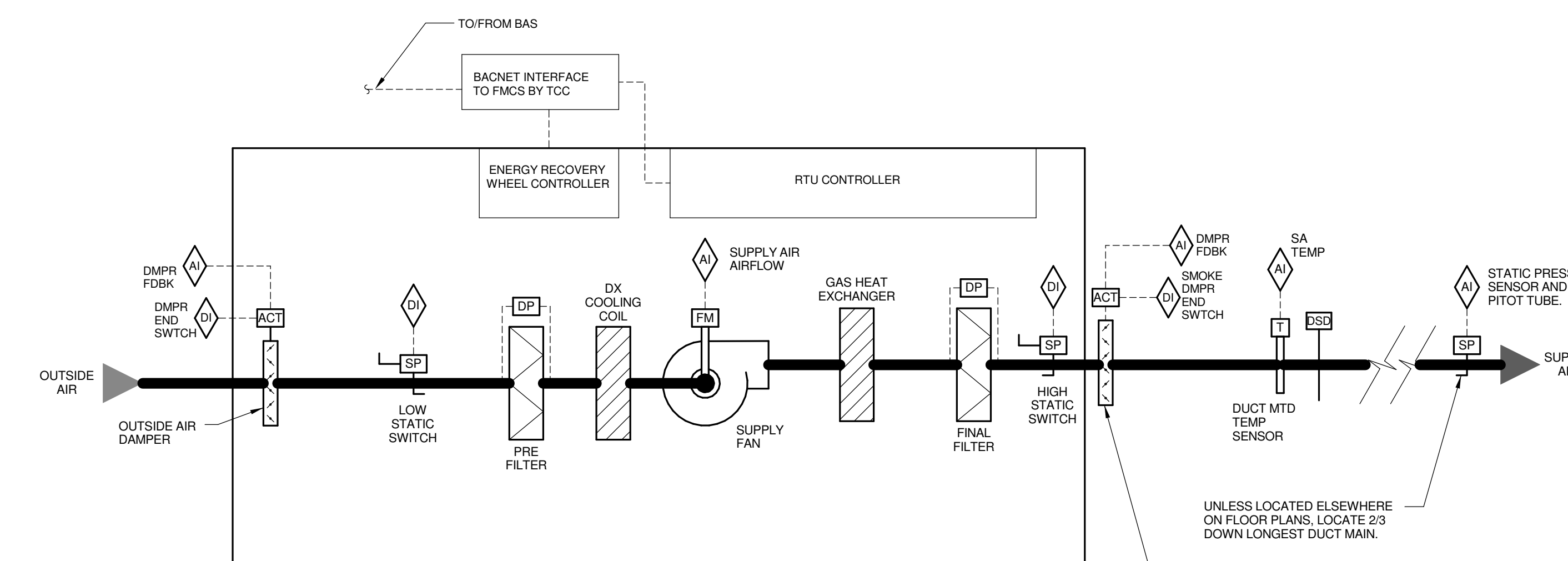
DDC SHALL COMMUNICATE THE FOLLOWING TO THE RTU CONTROLLER:

- DIFFERENTIAL STATIC PRESSURE SETPOINT (SUPPLY) (W.C.)
- DISCHARGE AIR TEMPERATURE SETPOINT (°F)
- BUILDING OCCUPANCY SCHEDULE
- OUTSIDE AIR TEMPERATURE (°F)
- OUTSIDE AIR HUMIDITY (%RH)
- DIRTY FILTER SETPOINT (W.C.)

RTU CONTROLLER SHALL COMMUNICATE THE FOLLOWING TO THE DDC:

- DISCHARGE AIR TEMPERATURE (°F)
- SUPPLY FAN STATUS
- SUPPLY FAN VFD OUTPUT (%)
- SUPPLY AIRFLOW (CFM)
- DIRTY FILTER
- COMPRESSOR STATUS (ON/OFF FOR EACH COMPRESSOR)
- COMPRESSOR RUN TIME (HRS)
- GAS FIRING RATE (%)
- GENERAL ALARM

NOTES:
 1. INTERLOCK EXHAUST FAN OPERATION THROUGH THE BAS WITH RESPECTIVE RTU IN ACCORDANCE WITH RTU SEQUENCE OF OPERATION.



PACKAGE ROOFTOP UNIT SYSTEM DESCRIPTION:

SEQUENCE OF OPERATION:
 THE TCC SHALL EXTEND THE BUILDING AUTOMATION SYSTEM (BAS) NETWORK TO THE RTU UNITARY CONTROLLER PER THE PROTOCOL SPECIFIED IN SECTION 23 09 00. THE TCC SHALL PROVIDE ALL ADDITIONAL CONTROL COMPONENTS REQUIRED TO ACCOMPLISH THE SEQUENCE OF OPERATION LISTED BELOW.

WHEN RTU IS INJECTED TO RUN THE FOLLOWING SHALL OCCUR:

- SMOKE DAMPERS SHALL OPEN.
- AFTER A 30 SECOND DELAY TO ALLOW FOR THE SMOKE DAMPERS OPEN, THE SUPPLY FAN SHALL BE ENABLED TO RUN.
- WHEN THE SUPPLY FAN HAS STARTED THE INTERLOCKED FUME EXHAUST FAN SHALL START AS SHOWN IN THE FAN INTERLOCK SCHEDULE.

BUILDING OCCUPANCY SCHEDULING:
 BAS SHALL BE PROGRAMMED WITH THE FOLLOWING ADJUSTABLE OCCUPANCY SCHEDULE:

MORNING START-UP MODE:	MONDAY THROUGH FRIDAY	5:01AM-6:00AM (ADJ.)
	SATURDAY	7:01AM-8:00AM (ADJ.)
OCCUPIED MODE:	MONDAY THROUGH FRIDAY	6:01AM-9:00PM (ADJ.)
	SATURDAY	8:01AM-12:00PM (ADJ.)
UNOCCUPIED MODE:	MONDAY THROUGH FRIDAY	9:01PM-5:00AM (ADJ.)
	SATURDAY	12:01PM-7:00AM (ADJ.)
	SUNDAY	12:00AM-12:00PM (ADJ.)

SUPPLY FAN CONTROL:
 RTU CONTROLLER SHALL MODULATE THE SIGNAL TO THE SUPPLY FAN VFD AS REQUIRED TO MAINTAIN DUCT STATIC PRESSURE AS MEASURED BY THE STATIC PRESSURE TRANSDUCER. RESET SUPPLY DUCT STATIC PRESSURE SETPOINT AS REQUIRED TO MAINTAIN AT LEAST ONE SUPPLY FAN DAMPER 85% (ADJ.) OPEN. BAS SHALL UTILIZE COMMAND TO ALL SUPPLY TERMINAL AIR BOX POSITIONS TO RESET THE SUPPLY DUCT DIFFERENTIAL STATIC PRESSURE.

DISCHARGE AIR TEMPERATURE CONTROL:
 DISCHARGE AIR TEMPERATURE SHALL BE 55°F (ADJ.). IF THE DISCHARGE AIR TEMPERATURE IS MORE THAN 5°F (ADJ.) ABOVE OR BELOW THE SETPOINT, AND ALARM SHALL BE SENT TO THE OPERATOR INTERFACE.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS ABOVE SETPOINT, THE RTU SHALL ENABLE THE COMPRESSORS AND CYCLE THE COOLING TO MAINTAIN THE DISCHARGE AIR SETPOINT.

WHENEVER THE DISCHARGE AIR TEMPERATURE IS BELOW SETPOINT, THE RTU SHALL ENABLE THE GAS HEATING SYSTEM TO MAINTAIN SETPOINT.

ALARMS, INTERLOCKS AND SAFETIES:
 THE FOLLOWING SAFETIES SHALL BE INSTALLED IN THE FIELD.

- HIGH STATIC SWITCH (WIRED TO SUPPLY FAN)
- LOW STATIC SWITCH (WIRED TO SUPPLY FAN)
- FIRE ALARM RELAY (WIRED TO ALL FANS)
- SUPPLY DUCT SMOKE DETECTOR

SEND AN ALARM TO THE BAS FOR THE FOLLOWING:

- SUPPLY FAN VFD FAULT
- DIRTY FILTERS (WHEN FILTER PRESSURE DROP EXCEEDS 0.6" W.C. (ADJ.))
- IF DISCHARGE AIR TEMPERATURE IS MORE THAN 5°F (ADJ.) ABOVE OR BELOW SETPOINT.
- IF THE OUTSIDE AIRFLOW FALLS 10% BELOW THE SCHEDULED VALUE.
- IF THE FIRE ALARM SYSTEM IS ACTIVATED
- EMERGENCY STOP

WHENEVER RTU IS SHUTDOWN THE BAS SHALL COMMAND THE FOLLOWING TO OCCUR:

- SUPPLY FAN SHALL STOP
- OUTSIDE AIR AND SUPPLY AIR DAMPERS SHALL FULLY CLOSE.
- HEATING AND COOLING SHALL BE DISABLED.

MORNING START-UP OPERATION:

- THE BAS SHALL MEASURE EACH OF THE SPACE TEMPERATURES AND OUTSIDE AIR TEMPERATURE TO DETERMINE THE MINIMUM RUNTIME TO WARM THE SPACES TO THEIR SETPOINT.
- WHEN THE COMPUTED START TIME IS REACHED THE BAS SHALL ENABLE THE RTU.
- RESET ALL SPACE TEMP SETPOINTS TO OCCUPIED SPACE TEMPERATURE SETPOINTS.
- THE RTU SHALL BE DISABLED TO MAINTAIN OCCUPIED SETPOINTS AS DESCRIBED ABOVE.

UNOCCUPIED MODE OPERATION:

- RTU SHALL BE DISABLED. THE BAS SHALL CHANGE ALL OF THE SPACE SETPOINTS TO THE UNOCCUPIED SETPOINTS INDICATED BELOW, AND THE SUPPLY FAN SHALL BE ENABLED TO OPERATE INTERMITTENTLY TO MAINTAIN UNOCCUPIED SETPOINTS.
- WHEN OA TEMP IS >55°F (ADJ.), SETPOINT SHALL BE 85°F (ADJ.)
- WHEN OA TEMP IS ≤55°F (ADJ.) OR BELOW, THE SETPOINT SHALL BE 55°F (ADJ.)

AIR/REPORT GENERATION:
 DDC FMCS SHALL MONITOR THE FOLLOWING POINTS ON 10 MINUTE (ADJ.) INTERVALS WITHIN A SINGLE TREND. THE TREND SHALL RUN FOR A 14 DAY (ADJ.) DURATION AT WHICH POINT THE NEWEST VALUES SHALL AUTOMATICALLY OVERWRITE THE OLDEST VALUES:

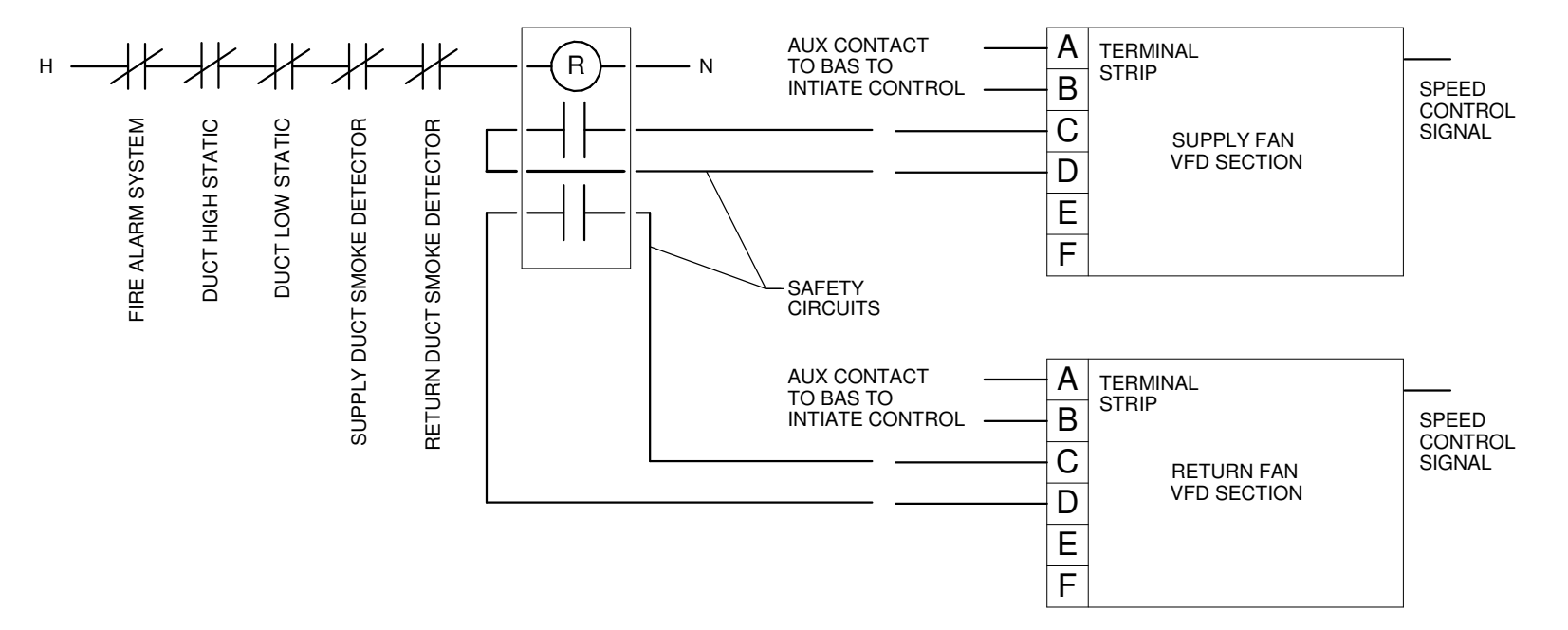
- DATE
- TIME
- GLOBAL OUTSIDE AIR TEMP (°F)
- GLOBAL OUTSIDE AIR DEWPOINT (°F)
- GLOBAL OUTSIDE AIR HUMIDITY (%RH)
- SUPPLY AIRFLOW (CFM)
- SUPPLY AIR TEMP (°F)
- SUPPLY AIR RELATIVE HUMIDITY (%RH)
- FILTER LOADING (INCHES W.C.)
- SUPPLY FAN VFD OUTPUT (% FULL SPEED)
- OUTSIDE AIR DAMPER POSITION (% OPEN)
- COMPRESSOR RUN TIME (EACH) (HRS)

THIS INFORMATION SHALL BE ACCESSIBLE TO VIEW IN EITHER TABULAR OR GRAPHICAL FORM ON THE FMCS OPERATOR WORKSTATION.

ONCE PER MONTH, THE DDC FMCS SHALL RECORD THE LARGEST RTU AIRFLOW WHICH OCCURRED DURING THAT MONTH. THE DATE, TIME, OUTSIDE AIR TEMP (AND ALL OTHER VALUES LISTED ABOVE) THAT COINCIDED WITH THAT EVENT SHALL ALSO BE RECORDED. THIS INFORMATION SHALL BE STORED TO A MEMORY LOCATION ON THE FMCS OPERATOR WORKSTATION THAT IS MAINTAINED (NOT AUTOMATICALLY OVERRITTEN).

1 ROOFTOP UNIT CONTROL - RTU-2
 NO SCALE

2 ROOFTOP UNIT REPORT GENERATION
 TYPICAL FOR AHU-1



3 SUPPLY & RETURN/EXHAUST FAN VFD CONTROL
 NO SCALE

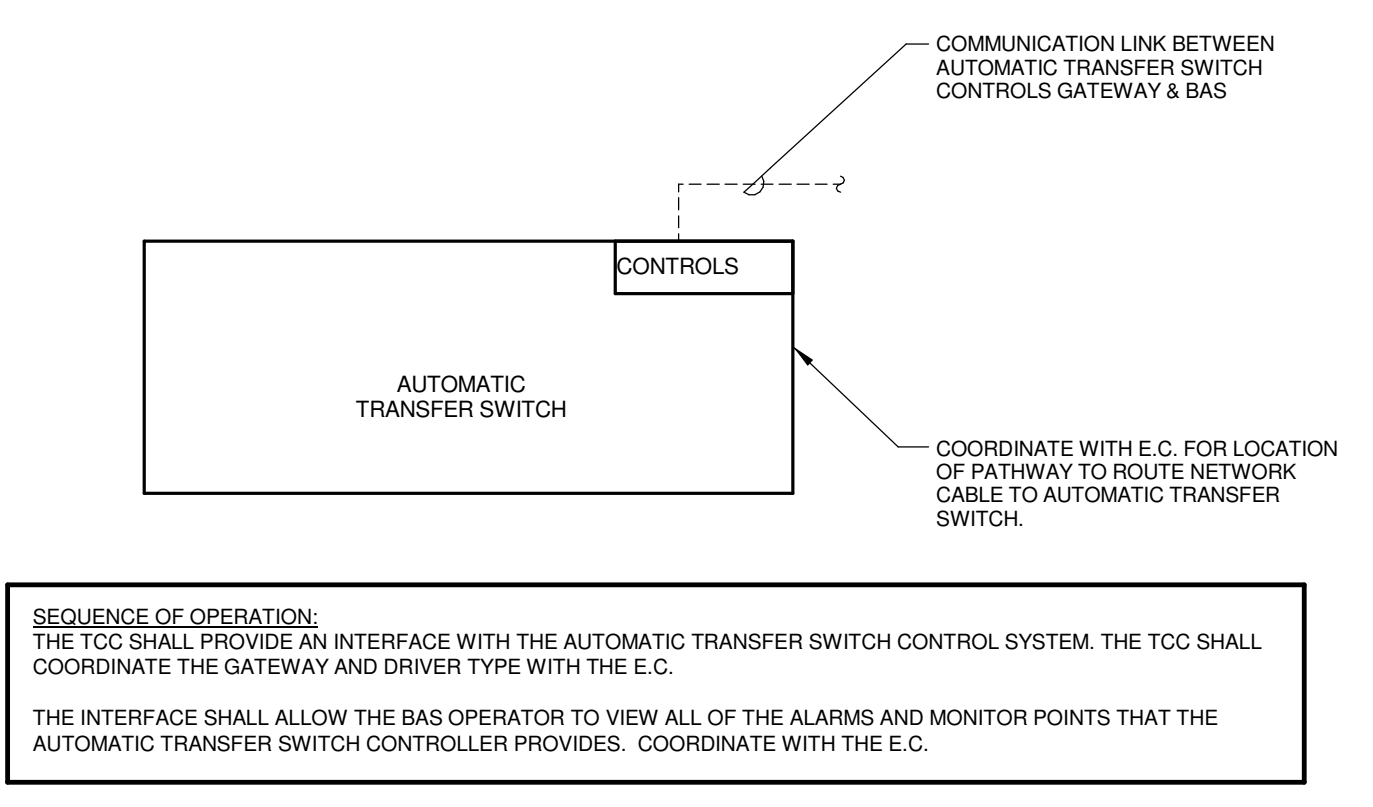
4 LAB EXHAUST FAN CONTROL
 NO SCALE

LAB EXHAUST FAN OPERATION:
 THERE ARE TWO EXHAUST FANS EACH CAPABLE OF 100% OF THE REQUIRED EXHAUST FLOW. ONE FAN IS TO OPERATE AT A TIME, AND THE OTHER FAN IS FOR REDUNDANCY.

WHEN THE BUILDING IS OCCUPIED PER THE OCCUPANCY SCHEDULE FOR RTU-2, THE BAS SHALL OPEN THE DAMPER ASSOCIATED WITH THE LEAD FAN AND START THE LEAD FAN. WHEN THE BUILDING IS UNOCCUPIED PER THE OCCUPANCY SCHEDULE FOR RTU-2, THE BAS SHALL TURN OFF THE LEAD FAN AND CLOSE THE ASSOCIATED DAMPER.

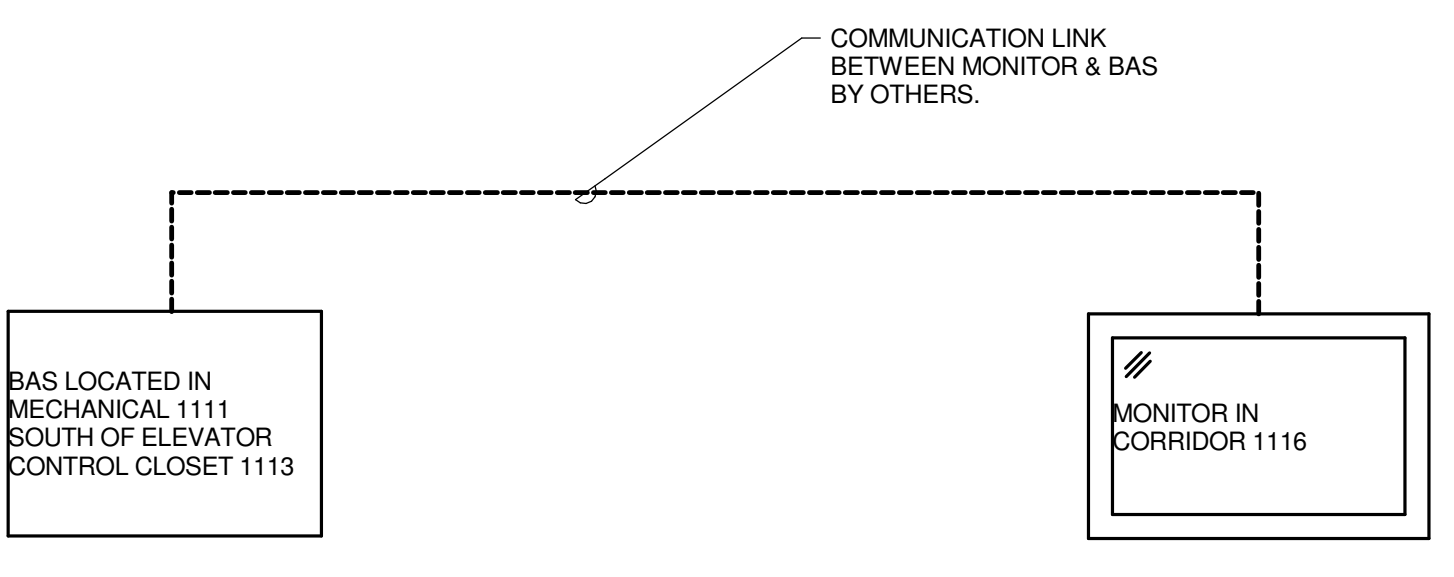
CURRENT STATUS SWITCH: INSTALL A CURRENT STATUS SWITCH TO PROVE FAN OPERATION. IF THE CURRENT STATUS SWITCH DOES NOT PROVE OPERATION WHEN THE BAS HAS COMMANDED THE FAN TO OPERATE, THE FAN SHALL SHUT DOWN AND SEND AN ALARM TO THE OPERATOR INTERFACE, AND THE BAS SHALL START THE LAG FAN.

LEAD/LAG SEQUENCING:
 THE BAS SHALL ROTATE THE LEAD/LAG ASSIGNMENT OF THE FANS ON THE SECOND SUNDAY OF EVERY MONTH (ADJ.). THE ASSIGNMENT SHALL BE ROTATED ONLY DURING UNOCCUPIED TIMES.



7 AUTOMATIC TRANSFER SWITCH INTERFACE
 NO SCALE

5 SUSTAINABILITY ON DISPLAY
 NO SCALE



THE CONTRACTOR SHALL OUTPUT THE INFORMATION SHOWN BELOW (REFER #7/M7.02 METER MONITORING FOR MORE INFORMATION) SO THAT IT CAN BE SHOWN ON THE DISPLAYS IN CORRIDOR 1116. COORDINATE LOCATION OF THE MONITORS WITH THE ARCHITECTURAL PLANS. COORDINATE ALL MONITOR GRAPHICS WITH OWNER.

THE FOLLOWING ITEMS SHALL BE DISPLAYED AS REAL-TIME VALUES :

- TOTAL WATER USE (GAL): SUM ALL WATER METERS
- ELECTRICAL: ELECTRICAL UTILITY METER
 - CURRENT (A)
 - VOLTAGE (V)
 - DEMAND (KW)
 - CONSUMPTION (KWH)
- PHOTOVOLTAIC SYSTEM:
 - POWER (KW)
 - TOTAL KWH (KWH)
 - KWH TO UTILITY TODAY (KWH)
 - TOTAL KWH TO UTILITY (KWH)
- TOTAL GAS CONSUMPTION (THERMS):
 - TOTAL GAS CONSUMPTION (MBH)
 - BTU METER
- TOTAL ENERGY RECOVERED (MBH)

THIS SHALL BE DISPLAYED FOR RTU-3.

THE CONTRACTOR SHALL USE THE AIRFLOW AS DETERMINED FROM THE AIRFLOW MEASURING STATION, TEMPERATURE DIFFERENCE ACROSS THE ENERGY RECOVERY DEVICE, AND ENTHALPY DIFFERENCE ACROSS THE ENERGY RECOVERY DEVICE TO DETERMINE THE RECOVERED ENERGY.

THE BAS SHALL DISPLAY THE MONTHLY CONSUMPTION FOR THE ITEMS LISTED BELOW. THE DISPLAY SHALL SHOW THE PREVIOUS 12 MONTH (ADJ.) CONSUMPTION VALUES.

- TOTAL WATER USE (GAL): SUM ALL WATER METERS
- ELECTRICAL: ELECTRICAL UTILITY METER
 - CONSUMPTION (KWH)
 - POWER (KW)
 - TOTAL KWH (KWH)
 - TOTAL KWH TO UTILITY (KWH)
- TOTAL GAS CONSUMPTION (THERMS):
 - TOTAL GAS CONSUMPTION (MBH)
 - BTU METER
- TOTAL ENERGY RECOVERED (MBH)

6 PHOTOVOLTAIC SYSTEM MONITORING
 TYPICAL FOR AHU-1

PHOTOVOLTAIC SYSTEM REPORT GENERATION:
 DDC FMCS SHALL MONITOR THE FOLLOWING POINTS ON 10 MINUTE (ADJ.) INTERVALS WITHIN A SINGLE TREND. THE TREND SHALL RUN FOR A 14 DAY (ADJ.) DURATION AT WHICH POINT THE NEWEST VALUES SHALL AUTOMATICALLY OVERRWRITE THE OLDEST VALUES:

- DATE
- TIME
- POWER (KW)
- KWH TODAY (KWH)
- TOTAL KWH (KWH)
- KWH TO UTILITY TODAY (KWH)
- TOTAL KWH TO UTILITY (KWH)

THIS INFORMATION SHALL BE ACCESSIBLE TO VIEW IN EITHER TABULAR OR GRAPHICAL FORM ON THE FMCS OPERATOR WORKSTATION.

ONCE PER MONTH, THE DDC FMCS SHALL RECORD THE LARGEST KWH TODAY WHICH OCCURRED DURING THAT MONTH. THE DATE AND TIME THAT COINCIDED WITH THAT EVENT SHALL ALSO BE RECORDED. THIS INFORMATION SHALL BE STORED TO A MEMORY LOCATION ON THE FMCS OPERATOR WORKSTATION THAT IS MAINTAINED (NOT AUTOMATICALLY OVERRITTEN).

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 PROJECT # 14-003.00

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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

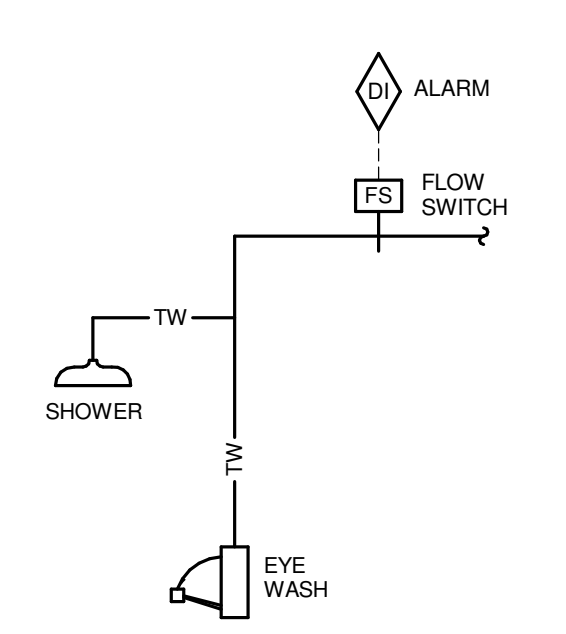
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CONTROL DIAGRAMS

SHEET NUMBER:

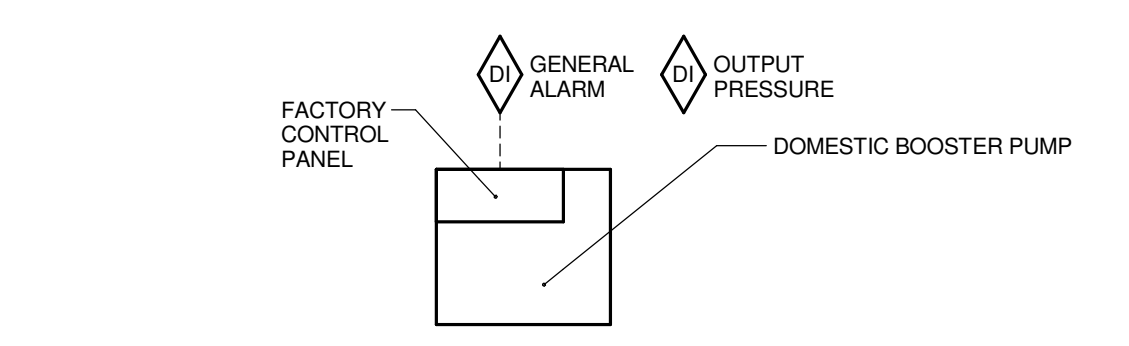
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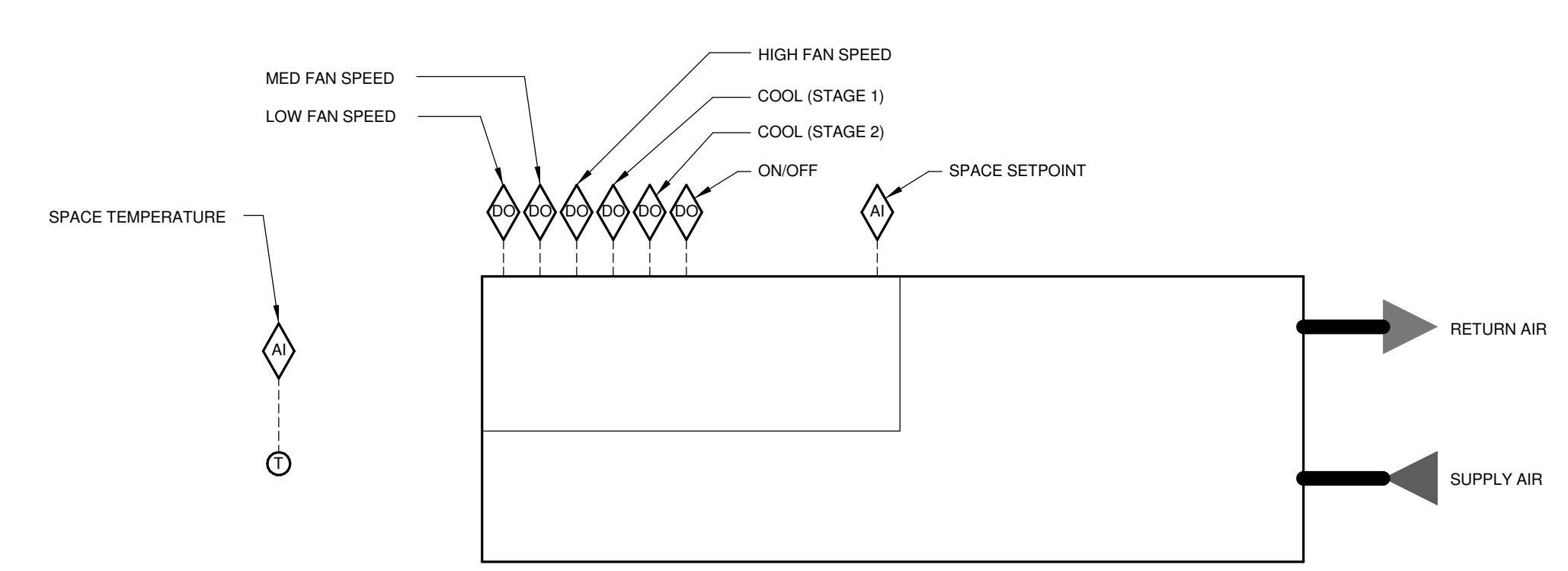
3 EMERGENCY SHOWER/EYEWASH MONITORING
 NO SCALE

ALARMS, INTERLOCKS & SAFETIES:
 BAS SHALL INDICATE AN ALARM TO THE BAS OPERATOR WORKSTATION IN THE EVENT THE FLOW SWITCH DETECTS FLOW TO THE SHOWER AND EYEWASH STATION.
 BAS SHALL MONITOR AND RECORD EACH OPERATION.
 REFER TO DRAWINGS FOR QUANTITY.



2 DOMESTIC WATER BOOSTER PUMP MONITORING
 NO SCALE

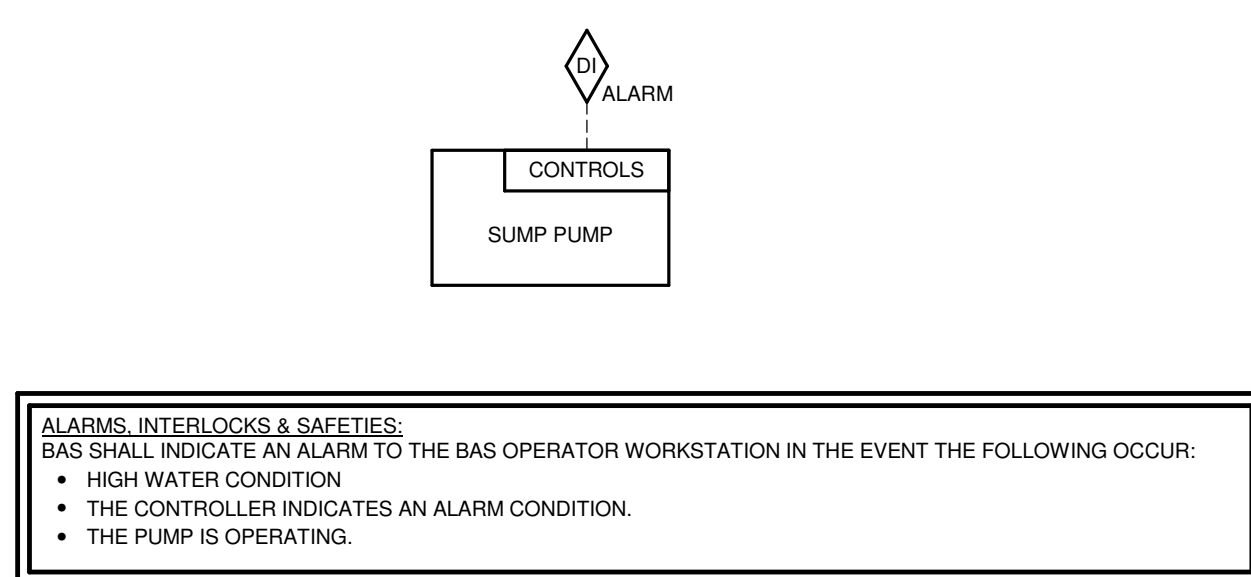
SEQUENCE OF OPERATION:
 BAS SHALL MONITOR THE OUTPUT PRESSURE OF THE DOMESTIC WATER BOOSTER PUMPS.
 BAS SHALL MONITOR AND RECORD THE FOLLOWING INFORMATION FROM THE DOMESTIC WATER BOOSTER PUMP:
 - DISPLAY THE PRESSURE ONCE EVERY 5 MINUTE (ADJ.) TIME INTERVAL AND RECORD IN A TREND THAT MAINTAINS DATA FOR A 7 DAY (ADJ.) PERIOD. AT THE END OF THE 7 DAY (ADJ.) PERIOD THE TREND SHALL AUTOMATICALLY OVERWRITE THE EARLIEST RECORDED DATA. TREND DATA SHALL INCLUDE DATE AND TIME STAMPS. THIS INFORMATION SHALL BE ACCESSIBLE TO VIEW IN EITHER TABULAR OR GRAPHICAL FORM ON THE BAS OPERATOR WORKSTATION.
 - ONCE PER MONTH, THE BAS SHALL RECORD THE FOLLOWING INFORMATION TO A MEMORY LOCATION ON THE BAS OPERATOR WORKSTATION THAT IS MAINTAINED (NOT AUTOMATICALLY OVERRITTEN):
 - HIGHEST OUTPUT PRESSURE
 - LOWEST OUTPUT PRESSURE
ALARMS, INTERLOCKS & SAFETIES:
 BAS SHALL INDICATE AN ALARM TO THE BAS OPERATOR WORKSTATION IN THE EVENT THE FOLLOWING OCCUR:
 - THE CONTROLLER INDICATES AN ALARM CONDITION.



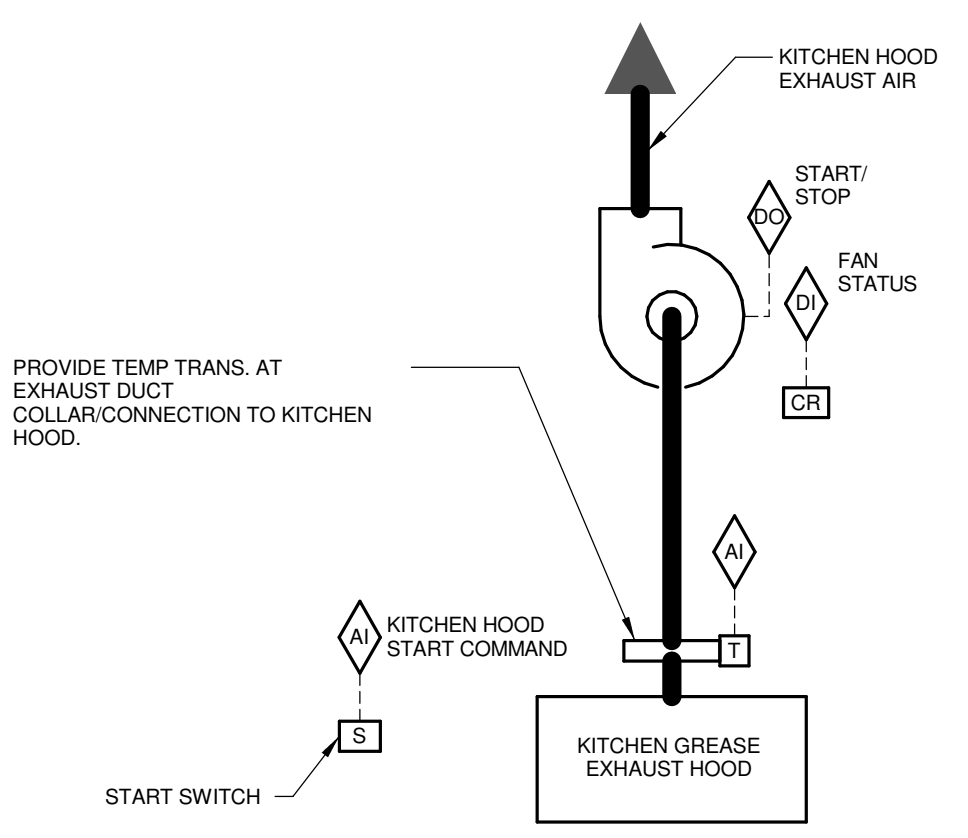
1 COMPUTER ROOM UNIT CONTROL
 NO SCALE

CRU SEQUENCE OF OPERATION GENERAL: (CONTROLS PROVIDED WITH UNIT)
 THE CRU SHALL BE PROVIDED WITH A CONTROL ACCESSORY TO ALLOW THE BAS TO CONTROL THE CRU AS DESCRIBED BELOW.
 THE BAS SHALL SEND THE CRU THE SPACE SETPOINT OF 75°F (ADJ.). THE CRU CONTROLS SHALL MODULATE ITS COOLING STAGES AS REQUIRED TO MAINTAIN THIS SETPOINT.
ALARMS, INTERLOCKS, AND SAFETIES:
 ACTIVATE AN ALARM AT THE OPERATOR WORKSTATION UPON THE OCCURRENCE OF ANY OF THE FOLLOWING CONDITIONS:
 - HIGH TEMPERATURE (80°F (ADJ.))
 - LOW TEMPERATURE (65°F (ADJ.))

4 SUMP PUMP MONITORING - ELEVATOR
 NO SCALE



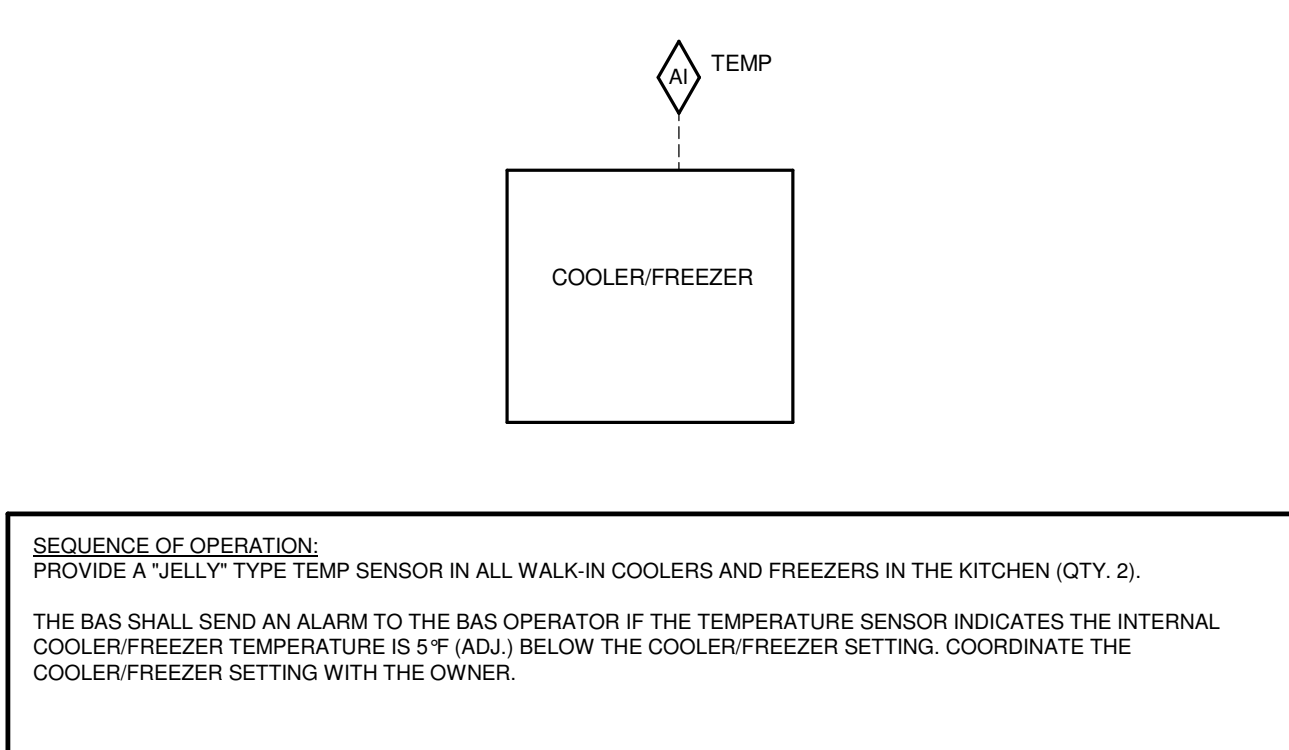
ALARMS, INTERLOCKS & SAFETIES:
 BAS SHALL INDICATE AN ALARM TO THE BAS OPERATOR WORKSTATION IN THE EVENT THE FOLLOWING OCCUR:
 - HIGH WATER CONDITION
 - THE CONTROLLER INDICATES AN ALARM CONDITION.
 - THE PUMP IS OPERATING.



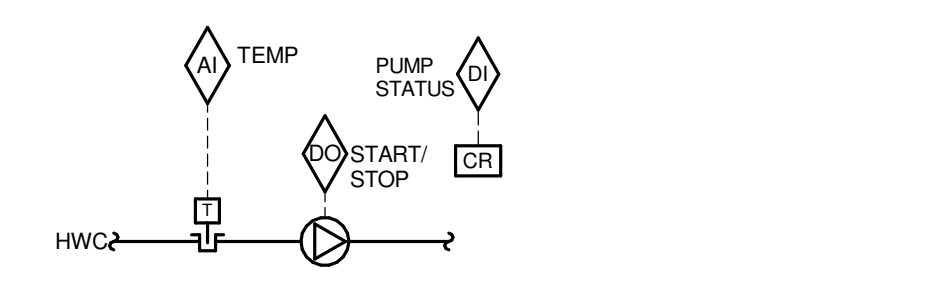
5 KITCHEN FAN CONTROL
 NO SCALE

KITCHEN HOOD EXHAUST FAN OPERATION:
 KITCHEN HOOD EXHAUST FAN SHALL START FROM EITHER OF THE TWO FOLLOWING INPUTS:
 - SWITCH ON KITCHEN HOOD TURNED TO ON POSITION.
 - EXHAUST DUCT MOUNTED TEMP TRANSMITTER DETECTS AIR ABOVE SETPOINT (100°F ADJ.).
 ONCE THE EXHAUST FAN IS ENERGIZED, RTU 1 SHALL MODULATE THE SIGNAL TO THE RETURN FAN TO ACCOUNT FOR THE OPERATING KITCHEN EXHAUST FAN. REFER TO RTU 1 CONTROL DIAGRAM.
 ONCE THE KITCHEN HOOD EXHAUST FAN IS ENERGIZED, VIA ANY INPUT, THE EXHAUST FAN SHALL CONTINUE TO OPERATE FOR A MIN. 20 MINUTE (ADJ.) TIME DURATION TO PREVENT SHORT CYCLING.
ALARMS, INTERLOCKS AND SAFETIES:
 THE BAS SHALL MONITOR THE WALL SWITCH AND GENERATE AN ALARM AT THE BAS OPERATOR WORKSTATION IN THE EVENT THE SWITCH COMMANDS THE EXHAUST FAN TO OPERATE AND THE CURRENT SENSING RELAY DETECTS INSUFFICIENT CURRENT DRAW.
 THE BAS SHALL GENERATE AN ALARM AT THE BAS OPERATOR WORKSTATION IN THE EVENT THE TEMP TRANSMITTER COMMANDS THE EXHAUST FAN TO OPERATE AND THE CURRENT SENSING RELAY DETECTS INSUFFICIENT CURRENT DRAW.

6 COOLER/FREEZER MONITOR
 NO SCALE

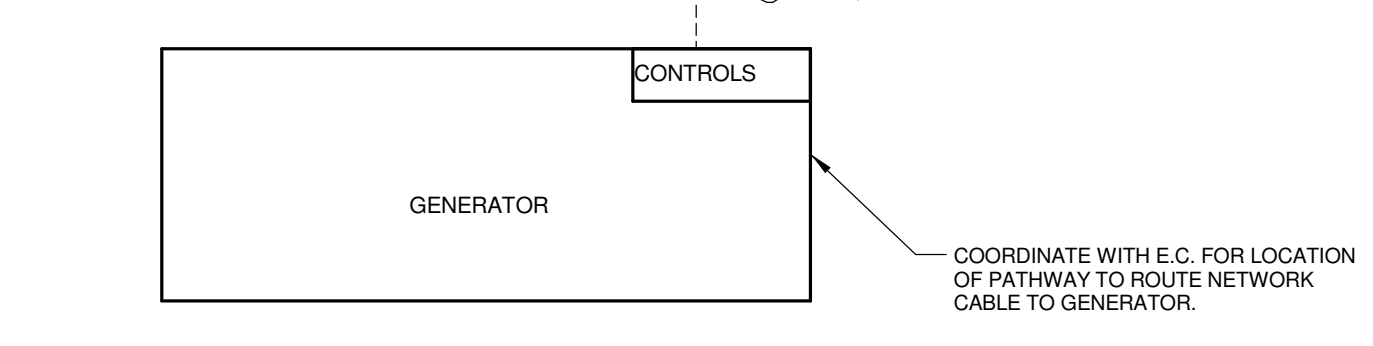


SEQUENCE OF OPERATION:
 PROVIDE A JELLY TYPE TEMP SENSOR IN ALL WALK-IN COOLERS AND FREEZERS IN THE KITCHEN (QTY. 2).
 THE BAS SHALL SEND AN ALARM TO THE BAS OPERATOR IF THE TEMPERATURE SENSOR INDICATES THE INTERNAL COOLER/FREEZER TEMPERATURE IS 5°F (ADJ.) BELOW THE COOLER/FREEZER SETTING. COORDINATE THE COOLER/FREEZER SETTING WITH THE OWNER.



10 DOMESTIC HOT WATER CIRCULATION PUMP CONTROL (QTY. 2)
 NO SCALE

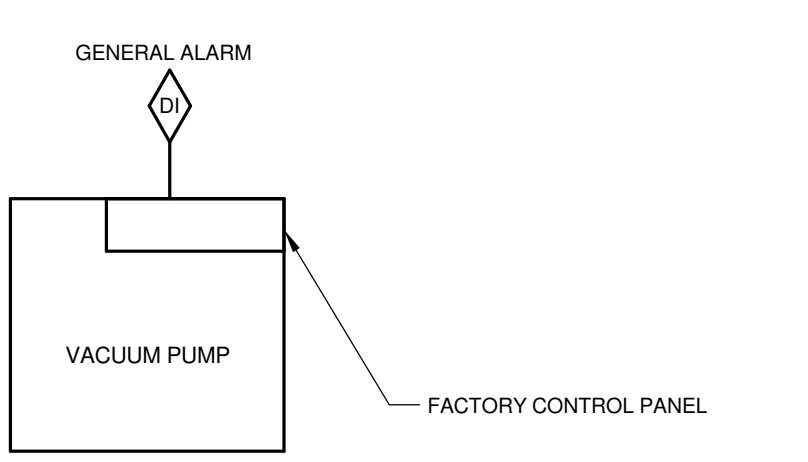
SEQUENCE OF OPERATION:
 BAS SHALL MONITOR THE TEMPERATURE AT THE CIRCULATION PUMP. THE BAS SHALL TURN THE CIRCULATION PUMP ON WHEN THE TEMPERATURE FALLS BELOW 8°F (ADJ.) THE HOT WATER SETPOINT AND SHALL TURN OFF WHEN THE TEMPERATURE EQUALS THE HOT WATER SETPOINT.
 BAS SHALL MONITOR AND RECORD THE FOLLOWING INFORMATION FROM THE CIRCULATION PUMPS:
 - TOTAL RUN TIME ON EACH PUMP SHOWN IN THE DIAGRAM. COORDINATE FINAL RECORDING, DISPLAY, AND ARCHIVING REQUIREMENTS WITH THE OWNER.
 OPERATOR WORKSTATION SHALL DISPLAY PUMP CURRENT STATUS AND ALLOW OPERATOR TO ENABLE/DISABLE THE CIRCULATION PUMP FOR EACH SYSTEM.
ALARMS, INTERLOCKS, AND SAFETIES:
 AN ALARM SHALL BE GENERATED AT THE OPERATOR WORKSTATION IN THE EVENT THE BAS COMMANDS A CIRCULATION PUMP TO OPERATE AND THE CURRENT SENSING RELAY DETECTS INSUFFICIENT CURRENT DRAW.



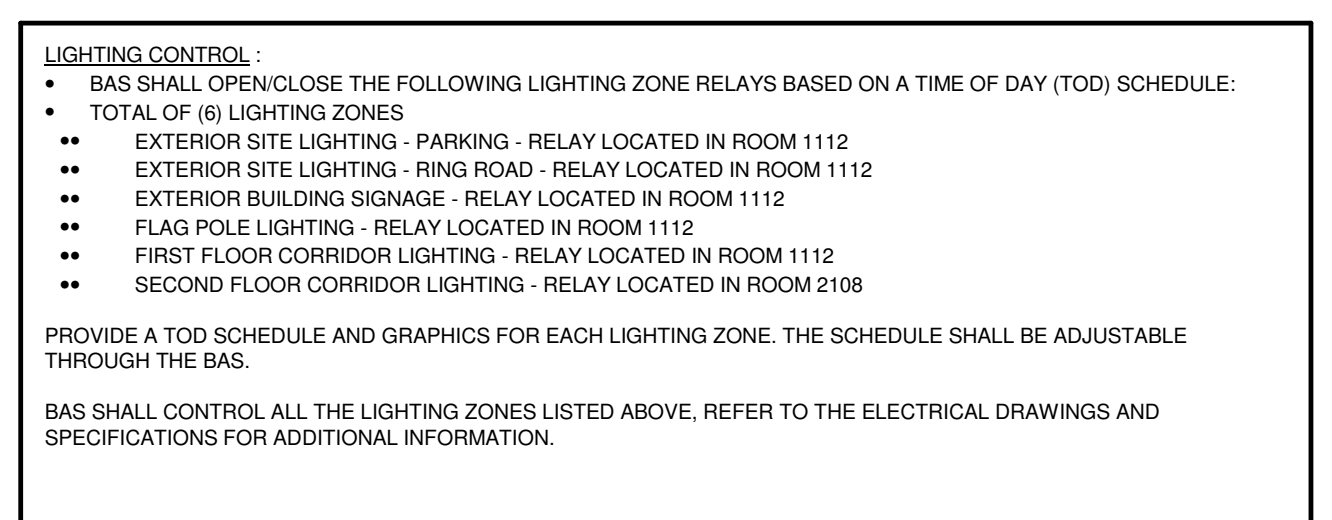
9 GENERATOR INTERFACE
 NO SCALE

SEQUENCE OF OPERATION:
 THE TCC SHALL PROVIDE AN INTERFACE WITH THE GENERATOR CONTROL SYSTEM. THE TCC SHALL COORDINATE THE GATEWAY AND DRIVER TYPE WITH THE E.C.
 THE INTERFACE SHALL ALLOW THE BAS OPERATOR TO VIEW ALL OF THE ALARMS AND MONITOR POINTS THAT THE GENERATOR CONTROLLER PROVIDES. COORDINATE WITH THE E.C.

8 VACUUM PUMP CONTROL DIAGRAM
 NO SCALE



SEQUENCE OF OPERATION:
 THE VACUUM PUMP CONTROLLER SHALL OPERATE THE SYSTEM TO MAINTAIN THE SPECIFIED PRESSURE.
ALARMS, INTERLOCKS, AND SAFETIES:
 SEND AN ALARM TO THE BAS OPERATOR INTERFACE IF THE VACUUM PUMP CONTROLLER INDICATES AN ALARM.

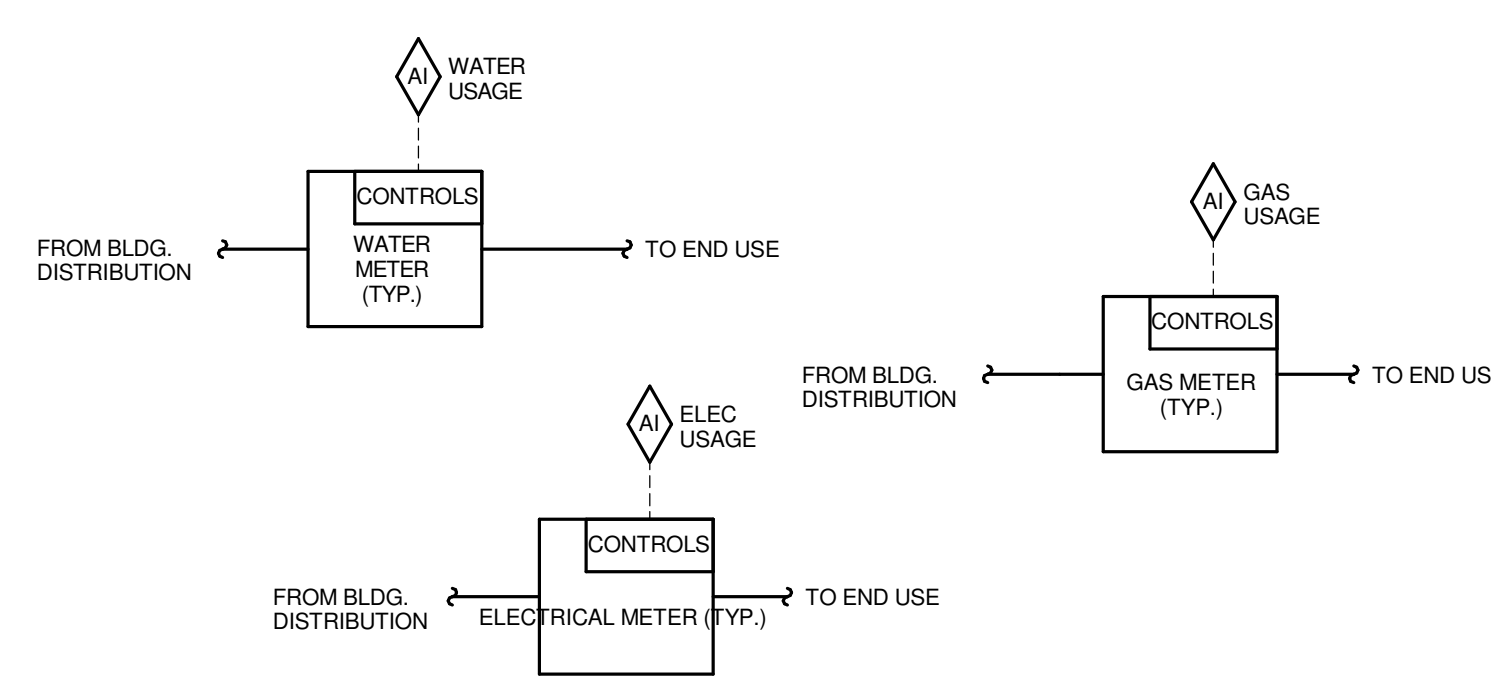


11 LIGHTING CONTROLS
 NO SCALE

LIGHTING CONTROL:
 - BAS SHALL OPEN/CLOSE THE FOLLOWING LIGHTING ZONE RELAYS BASED ON A TIME OF DAY (TOD) SCHEDULE:
 - TOTAL OF (6) LIGHTING ZONES
 - EXTERIOR SITE LIGHTING - PARKING - RELAY LOCATED IN ROOM 1112
 - EXTERIOR SITE LIGHTING - RING ROAD - RELAY LOCATED IN ROOM 1112
 - EXTERIOR BUILDING SIGNAGE - RELAY LOCATED IN ROOM 1112
 - FLAG POLE LIGHTING - RELAY LOCATED IN ROOM 1112
 - FIRST FLOOR CORRIDOR LIGHTING - RELAY LOCATED IN ROOM 1112
 - SECOND FLOOR CORRIDOR LIGHTING - RELAY LOCATED IN ROOM 2108
 PROVIDE A TOD SCHEDULE AND GRAPHICS FOR EACH LIGHTING ZONE. THE SCHEDULE SHALL BE ADJUSTABLE THROUGH THE BAS.
 BAS SHALL CONTROL ALL THE LIGHTING ZONES LISTED ABOVE. REFER TO THE ELECTRICAL DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.

12 MAKE-UP METER MONITORING
 NO SCALE

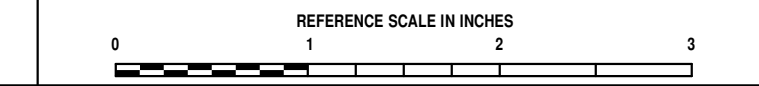
MAKE-UP WATER METER:
 - THE METER LOCATED ON THE MAKE-UP WATER SYSTEM SHALL BE CONNECTED TO THE BAS. THE METER SHALL REPORT WATER USAGE IN GALLONS, AND THE OPERATOR SHALL BE CAPABLE OF ZEROING OUT THE VALUE.
 - AN ALARM SHALL BE SENT TO THE OPERATOR WORKSTATION IN THE EVENT THAT THE METER TOTALS 5 GALLONS (ADJ.) SINCE THE PREVIOUS ALARM ACKNOWLEDGEMENT OR THE PREVIOUS ZEROING OUT.



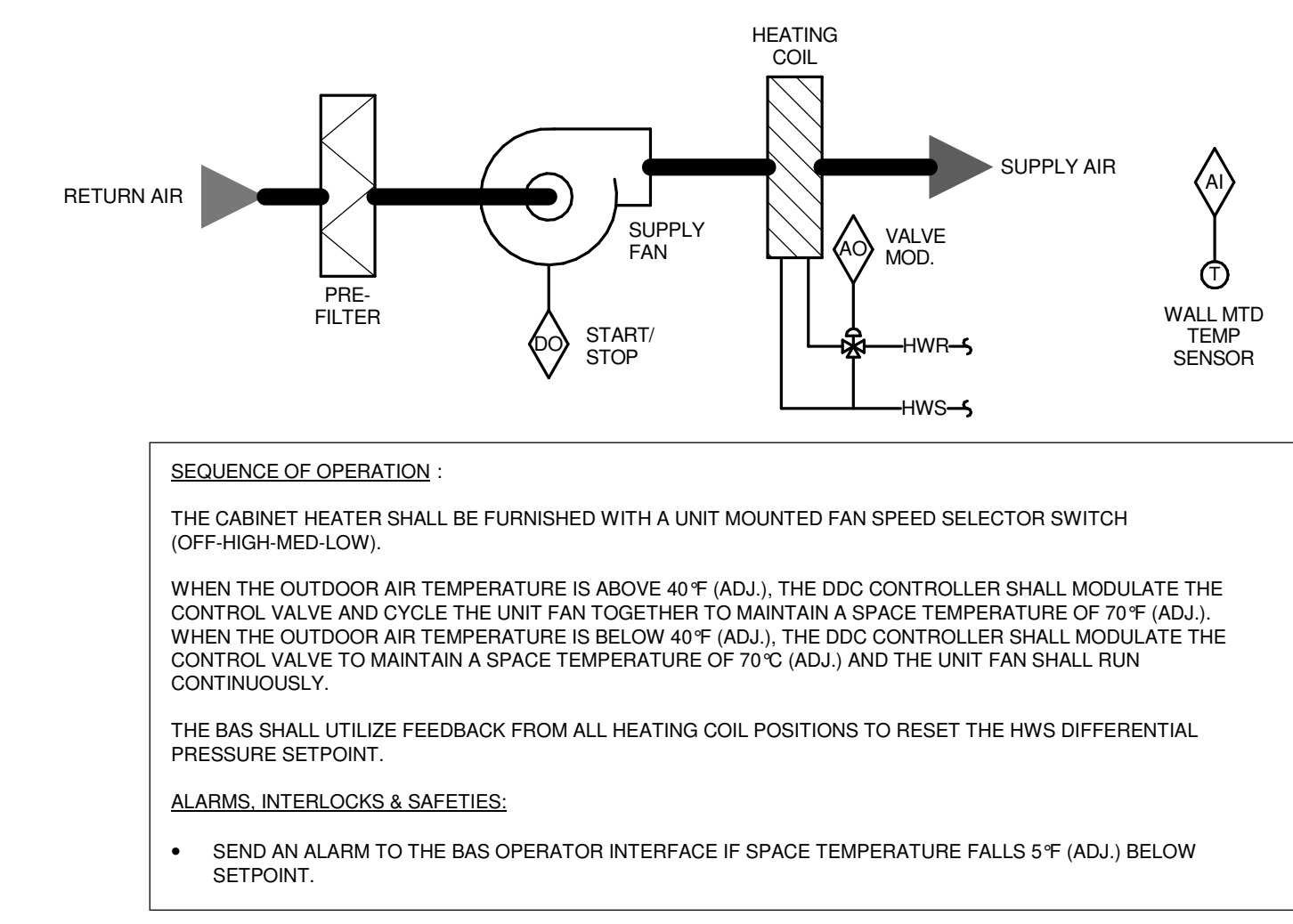
7 METER MONITORING
 NO SCALE

CONNECT TO, MONITOR, AND GENERATE REPORTS FOR THE FOLLOWING METERS. (REFER TO DRAWINGS FOR METER LOCATIONS AND QUANTITY)
 - GAS MAIN SERVICE (THERMS)
 - WATER MAIN SERVICE (GAL)
 - ELECTRICAL (REFER TO ELECTRICAL DRAWINGS FOR METER LOCATIONS AND QUANTITY)
 - MAIN SERVICE (KWH)
REPORT GENERATION:
 THE DDC SYSTEM SHALL MONITOR THE METERS LISTED ABOVE ON 15 MIN (ADJ.) INTERVALS WITHIN A SINGLE TREND. THE TREND SHALL RUN FOR A 14 DAY (ADJ.) DURATION AT WHICH POINT THE NEWEST VALUES SHALL OVERRWRITE THE OLDEST VALUES. ONCE PER DAY (ADJ.), THE DDC SYSTEM SHALL SUM THE TOTAL CONSUMPTION OF EACH METER FOR THE PREVIOUS 24 HOUR PERIOD AND RECORD IT IN A MEMORY LOCATION ON THE DDC SERVER THAT IS MAINTAINED (NOT AUTOMATICALLY OVERRITTEN).
 ONCE PER MONTH (1ST DAY OF EACH MONTH (ADJ.)) THE DDC SYSTEM SHALL UTILIZE THE STORED DAILY INFORMATION TO GENERATE A MONTHLY REPORT THAT SUMS CONSUMPTION INFORMATION INTO THE BELOW CATEGORIES. THE REPORT SHALL INCLUDE A GRAPHICAL REPRESENTATION (BAR CHART OR OTHER) INDICATING THE RELATIVE CONSUMPTION OF ENERGY BY EACH END USE. THE DATA AND REPORT SHALL BE RECORDED IN A MEMORY LOCATION ON THE DDC SERVER THAT IS MAINTAINED (NOT AUTOMATICALLY OVERRITTEN).
 - TOTAL WATER USE (GAL): SUM ALL WATER METERS
 - TOTAL ELECTRICITY CONSUMPTION (KWH): MAIN ELECTRICAL UTILITY METER
 - TOTAL NATURAL GAS CONSUMPTION (THERMS): MAIN GAS UTILITY METER
 ONCE PER YEAR (1ST DAY OF EACH CALENDAR YEAR (ADJ.)) THE DDC SYSTEM SHALL SUM THE STORED MONTHLY INFORMATION TO GENERATE A YEARLY REPORT THAT SUMS THE CONSUMPTION INFORMATION FOR ALL CATEGORIES LISTED IN THE MONTHLY REPORT. THE REPORT SHALL INCLUDE A GRAPHICAL REPRESENTATION (BAR CHART OR OTHER) INDICATING THE RELATIVE CONSUMPTION OF ENERGY BY EACH END USE. THE DATA AND REPORT SHALL BE RECORDED IN A MEMORY LOCATION ON THE DDC SERVER THAT IS MAINTAINED (NOT AUTOMATICALLY OVERRITTEN).

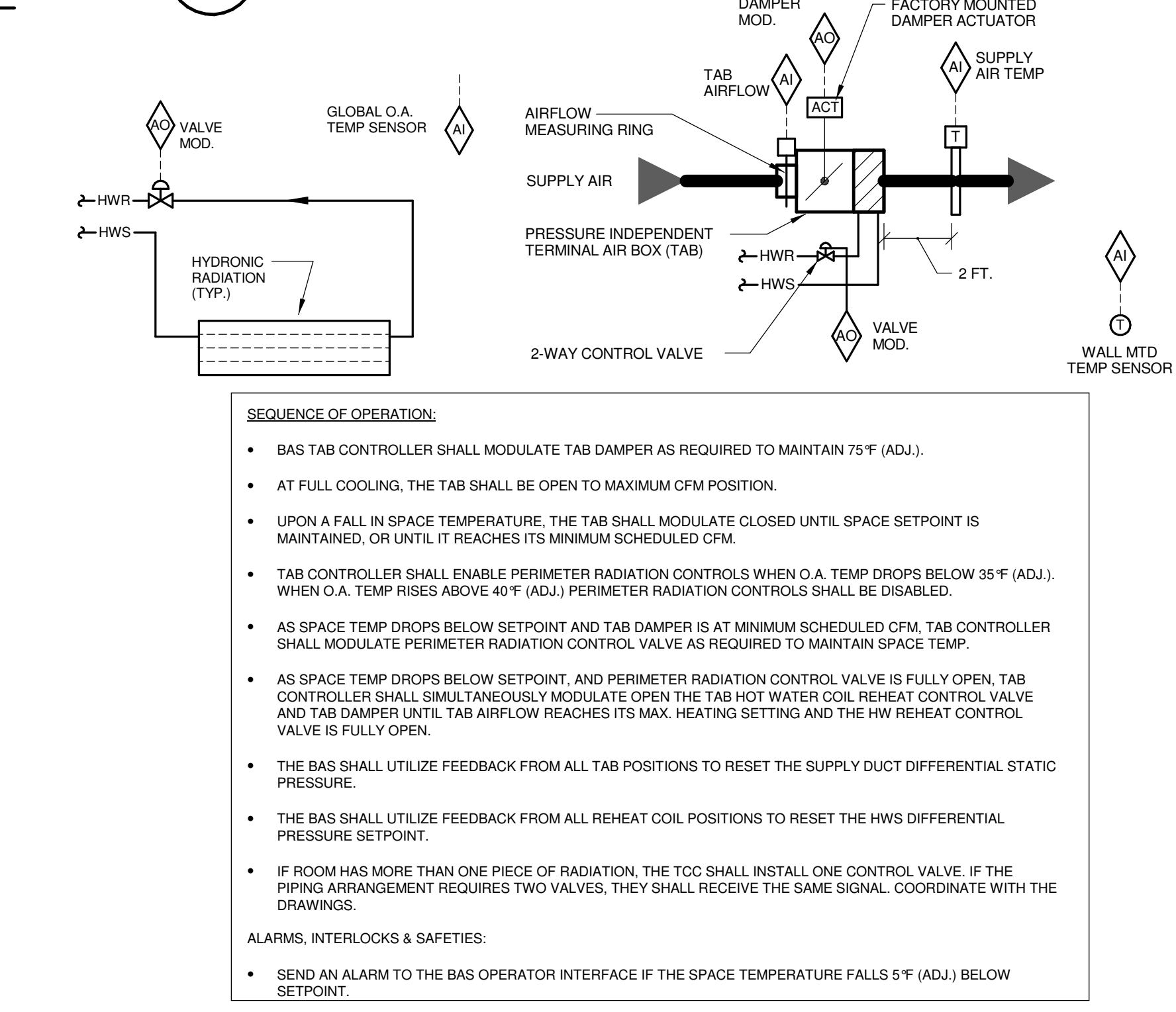
NOTES:
 1. METERS SHOWN AS TYPICAL TO DETERMINE METER QUANTITIES AND LOCATION. REFER TO DRAWINGS FOR EACH TRADE.



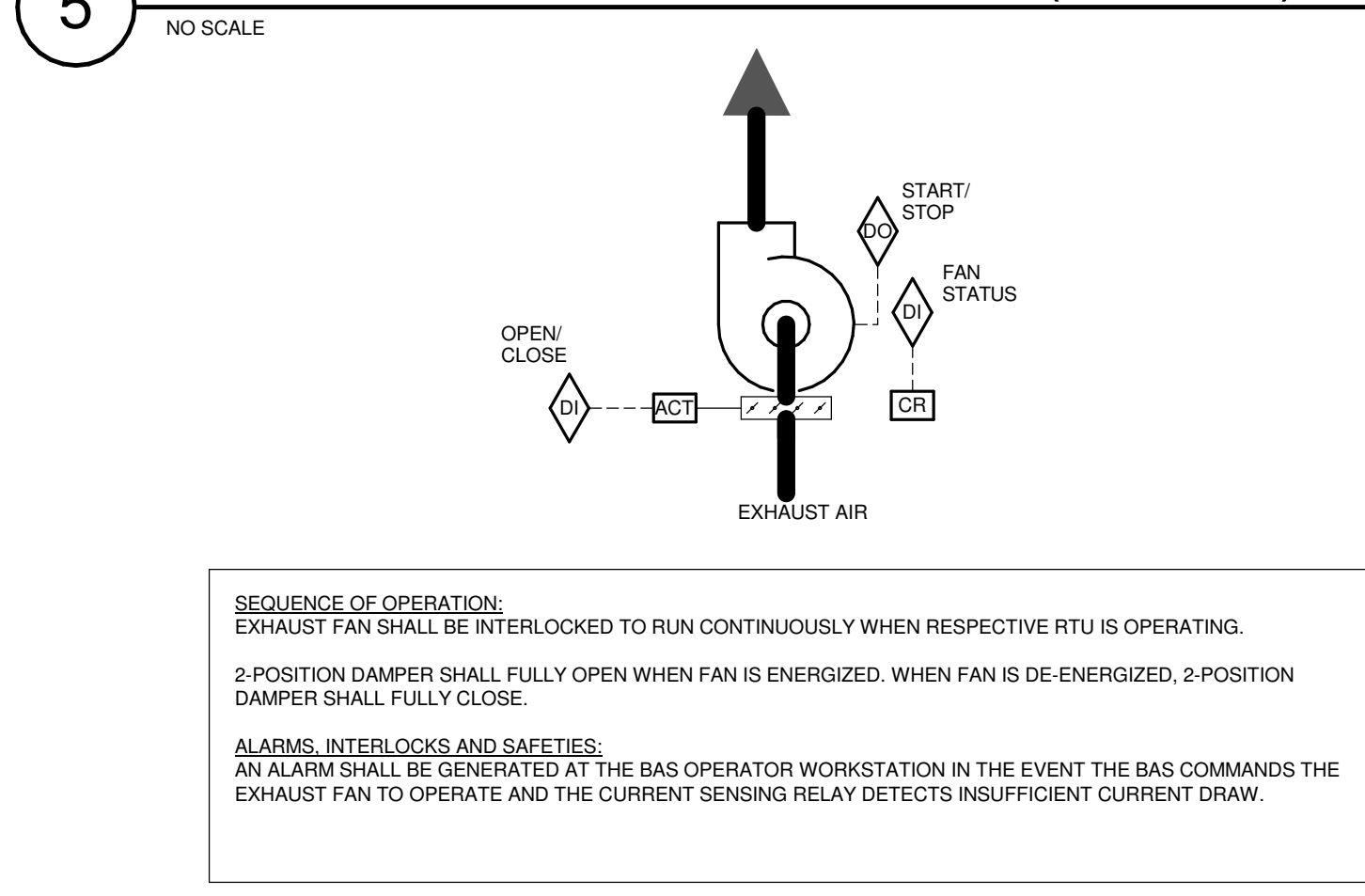
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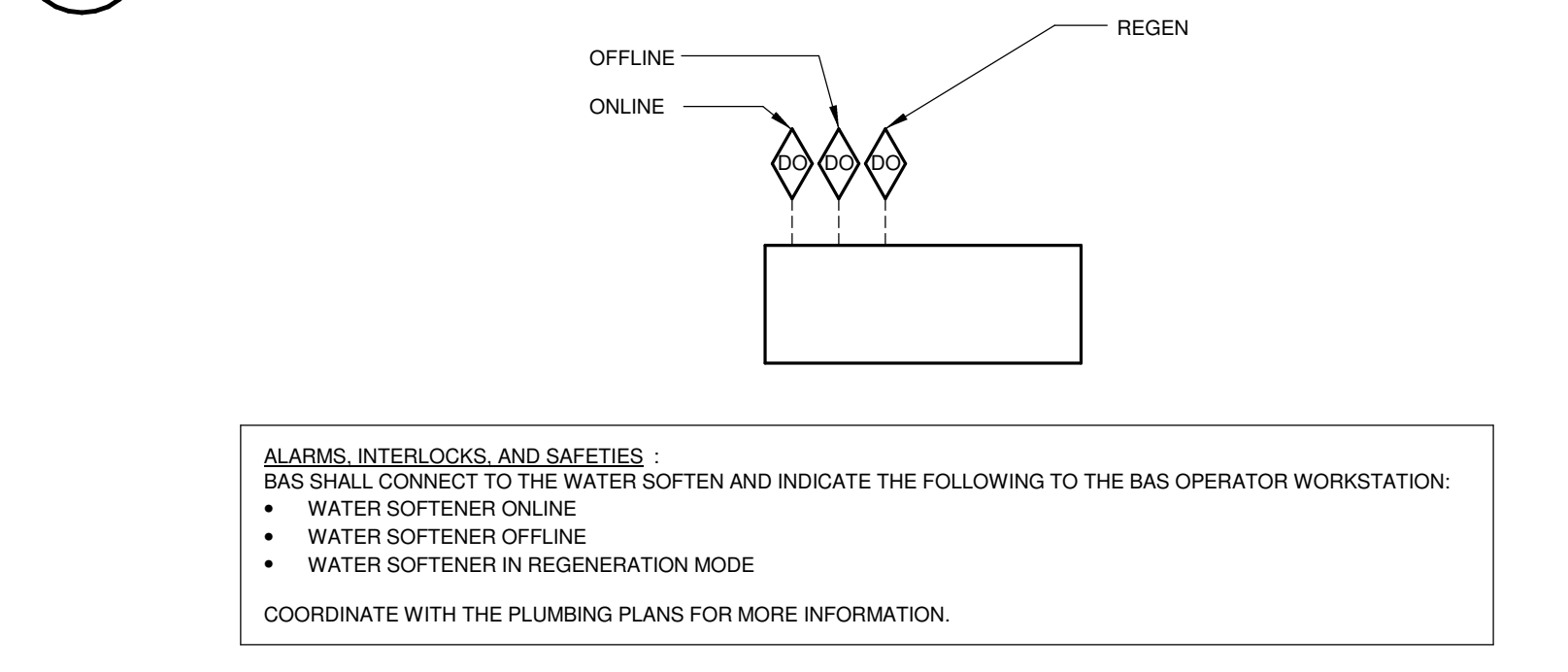
3 CABINET HEATER CONTROL
 NO SCALE



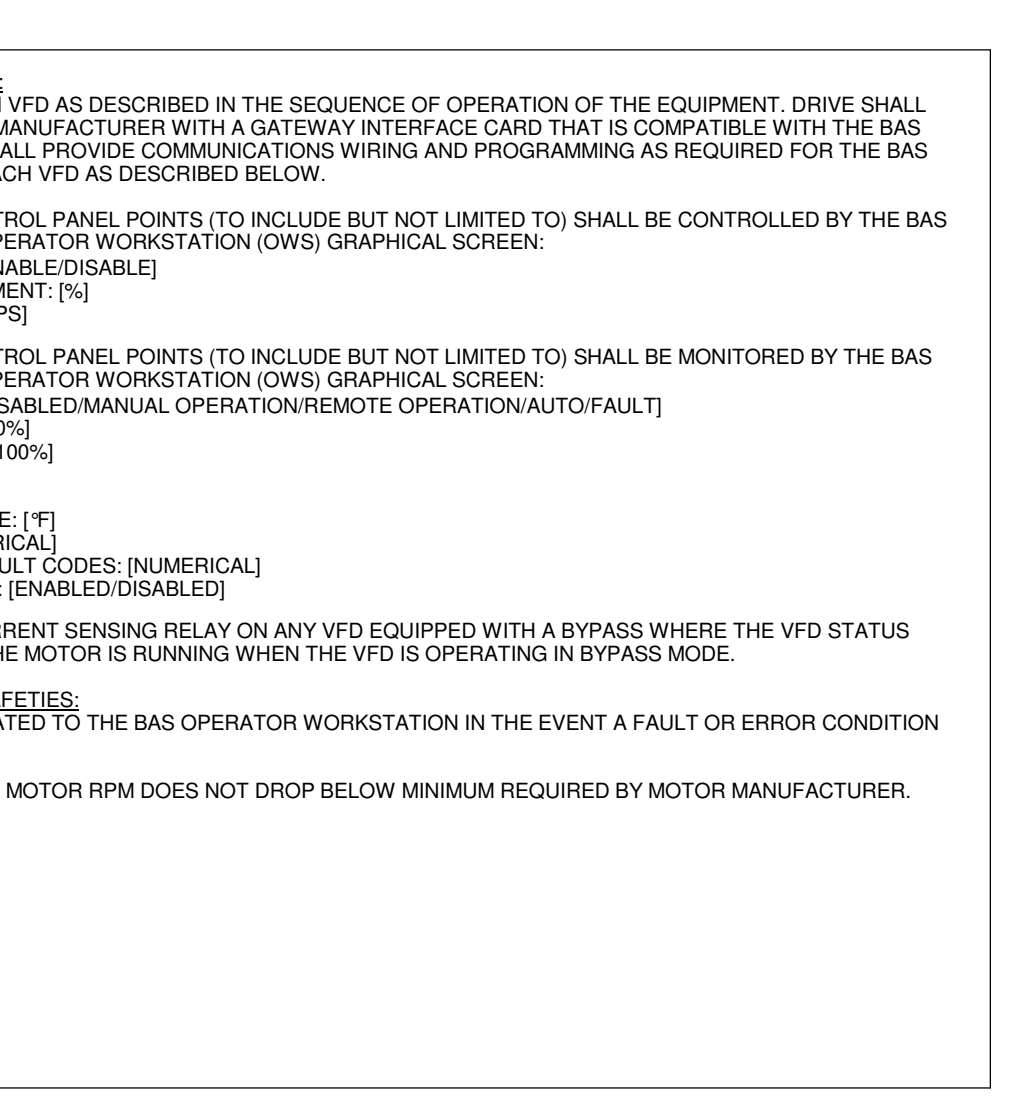
5 TAB CONTROL W/ HOT WATER REHEAT AND PERIMETER RADIATION (TYPE B)
 NO SCALE



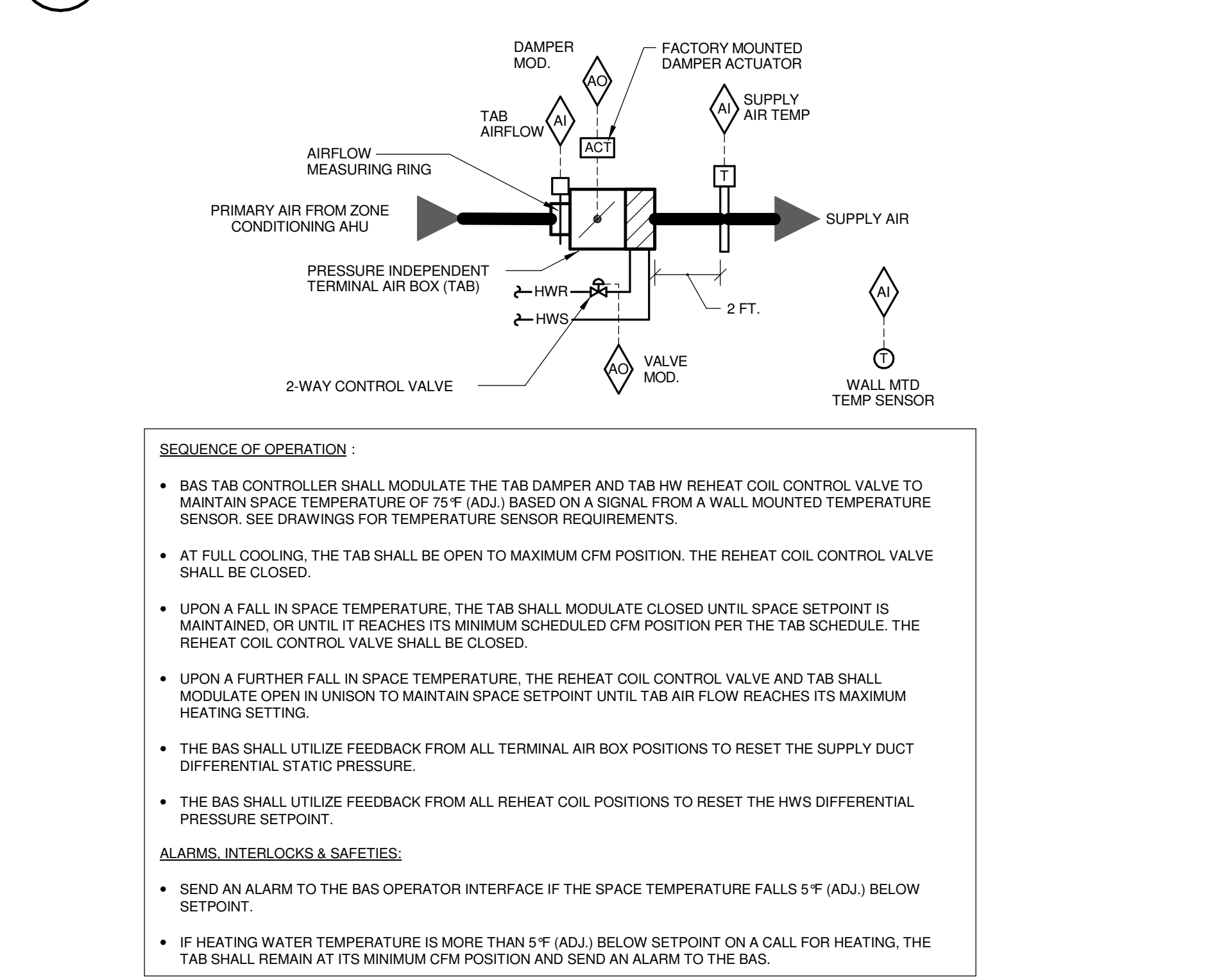
10 EXHAUST FAN CONTROL - AHU INTERLOCK
 NO SCALE



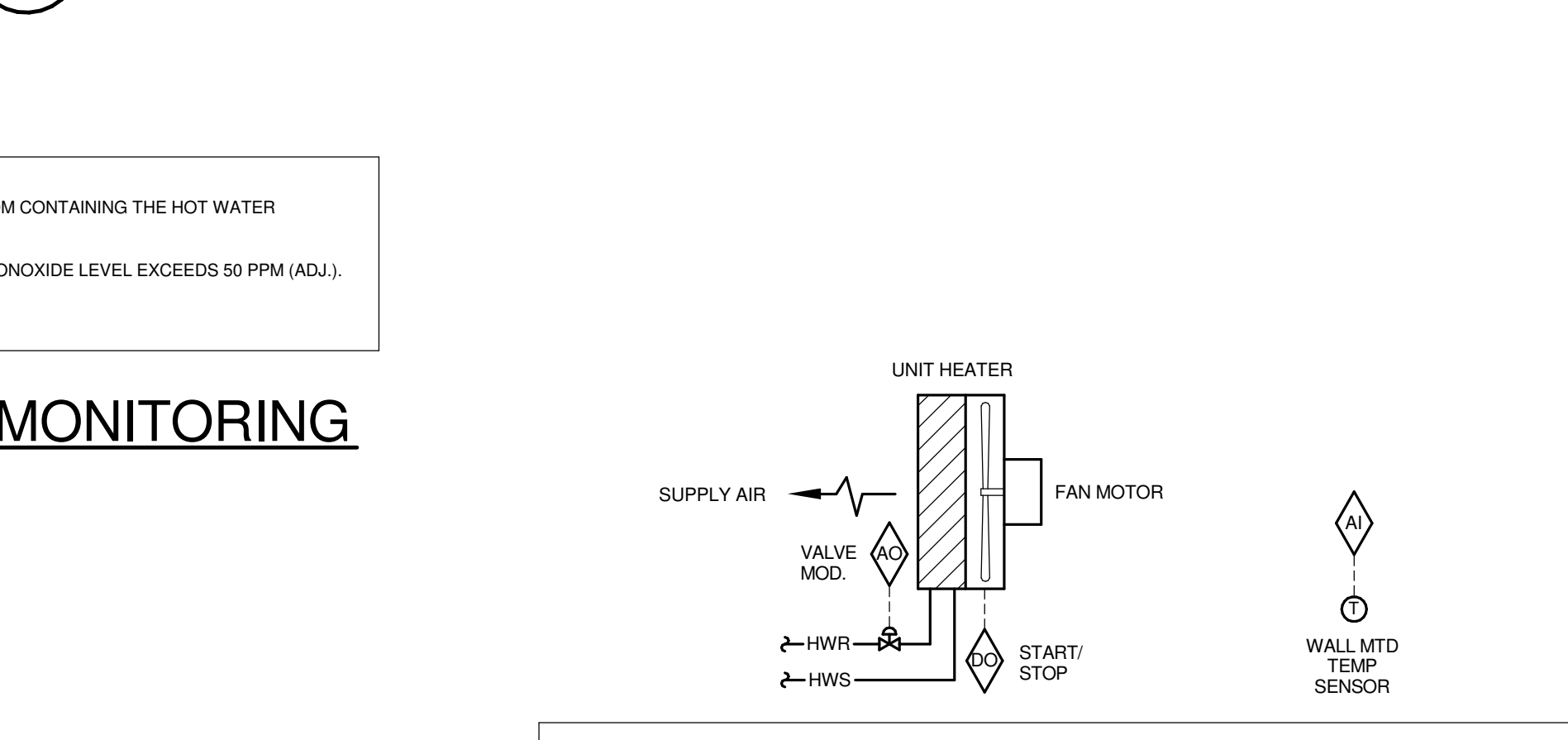
12 WATER SOFTENER MONITORING
 NO SCALE



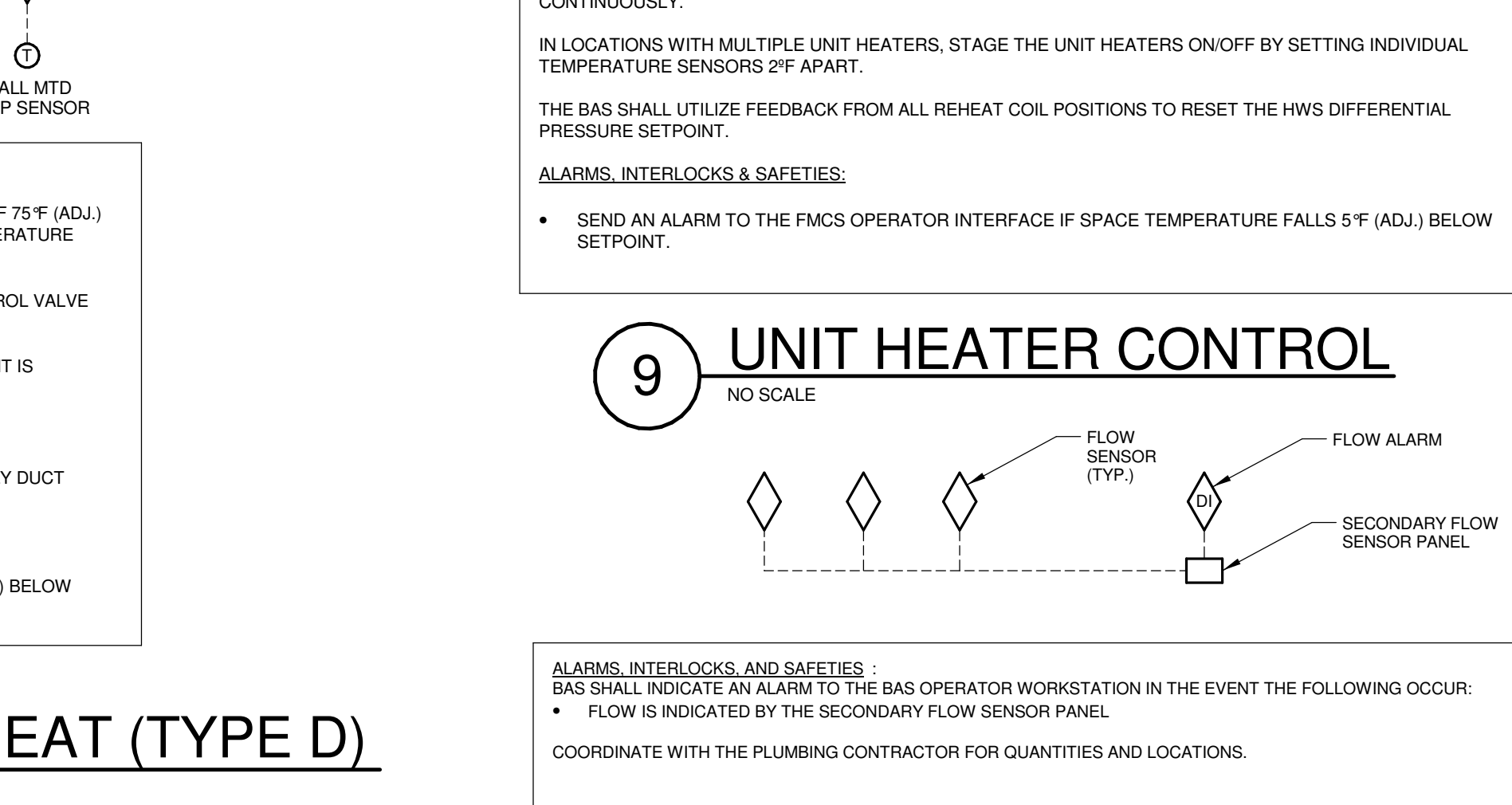
2 VARIABLE FREQUENCY DRIVE CONTROL - P-1 & P-2
 NO SCALE



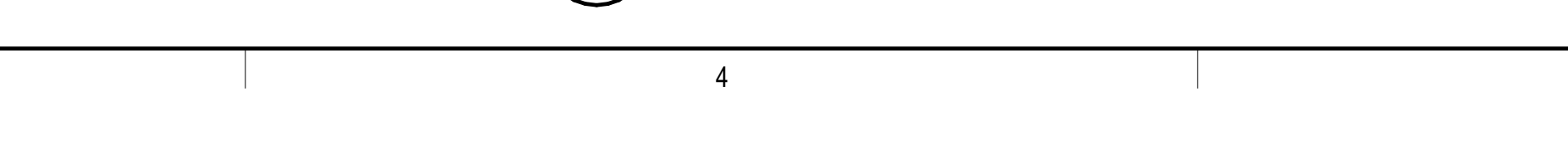
4 TAB CONTROL W/ HOT WATER REHEAT (TYPE A)
 NO SCALE



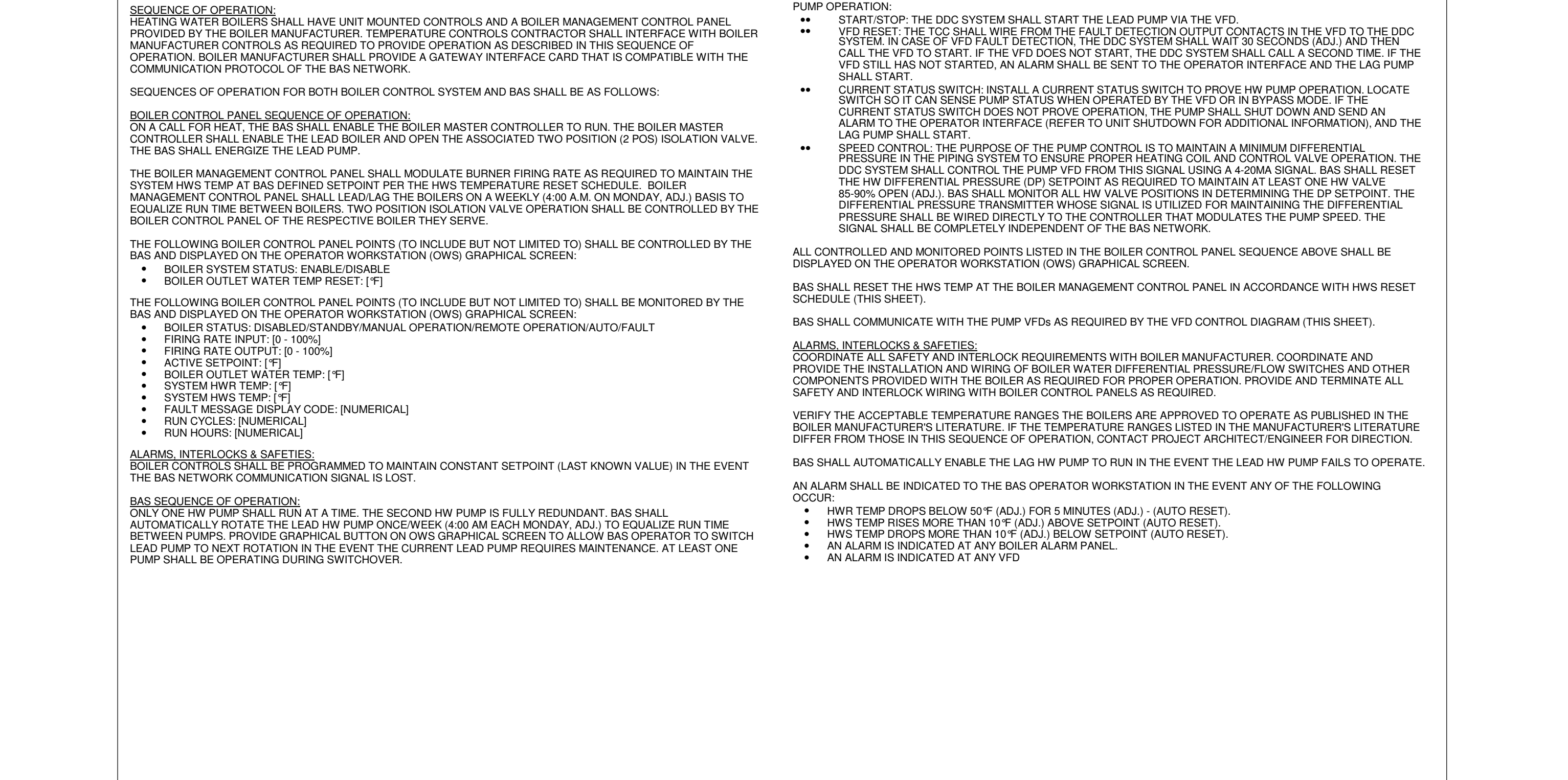
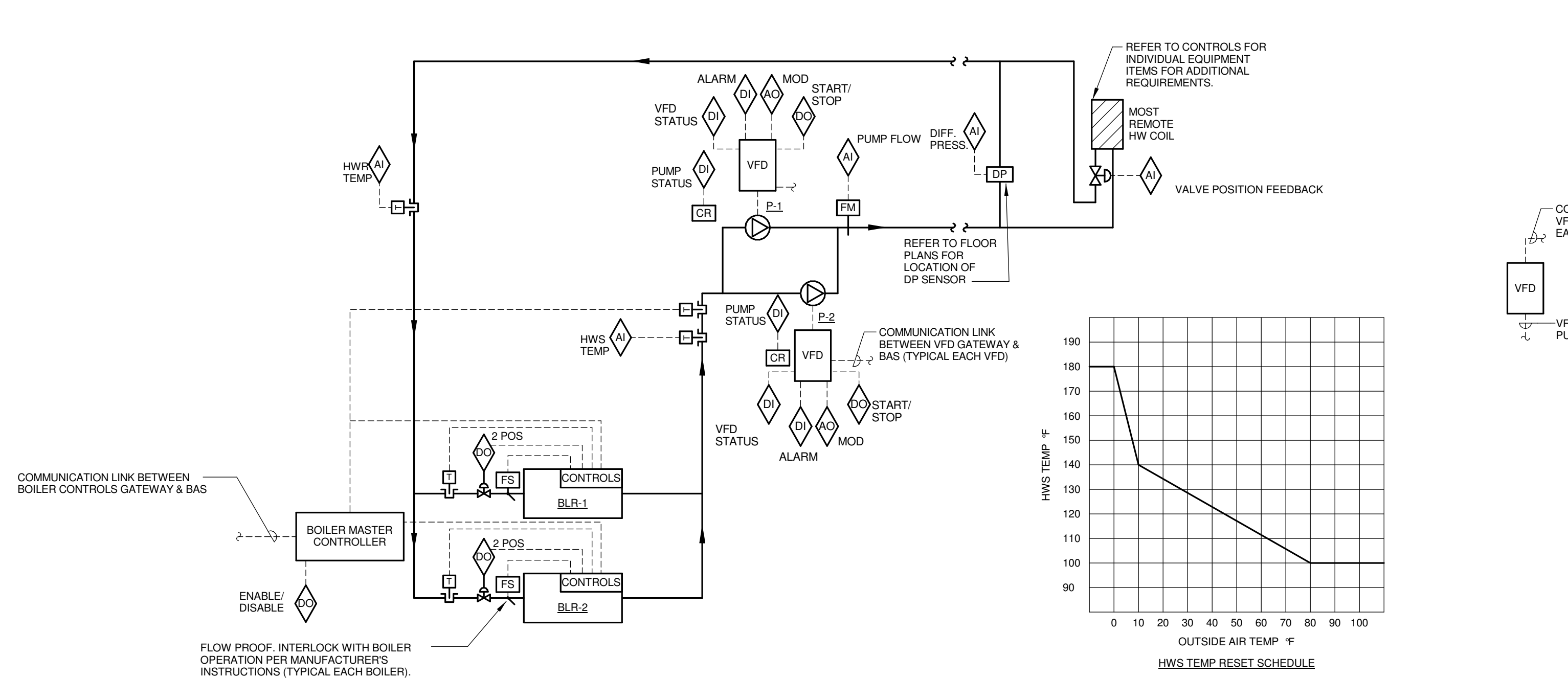
8 CARBON MONOXIDE MONITORING
 NO SCALE



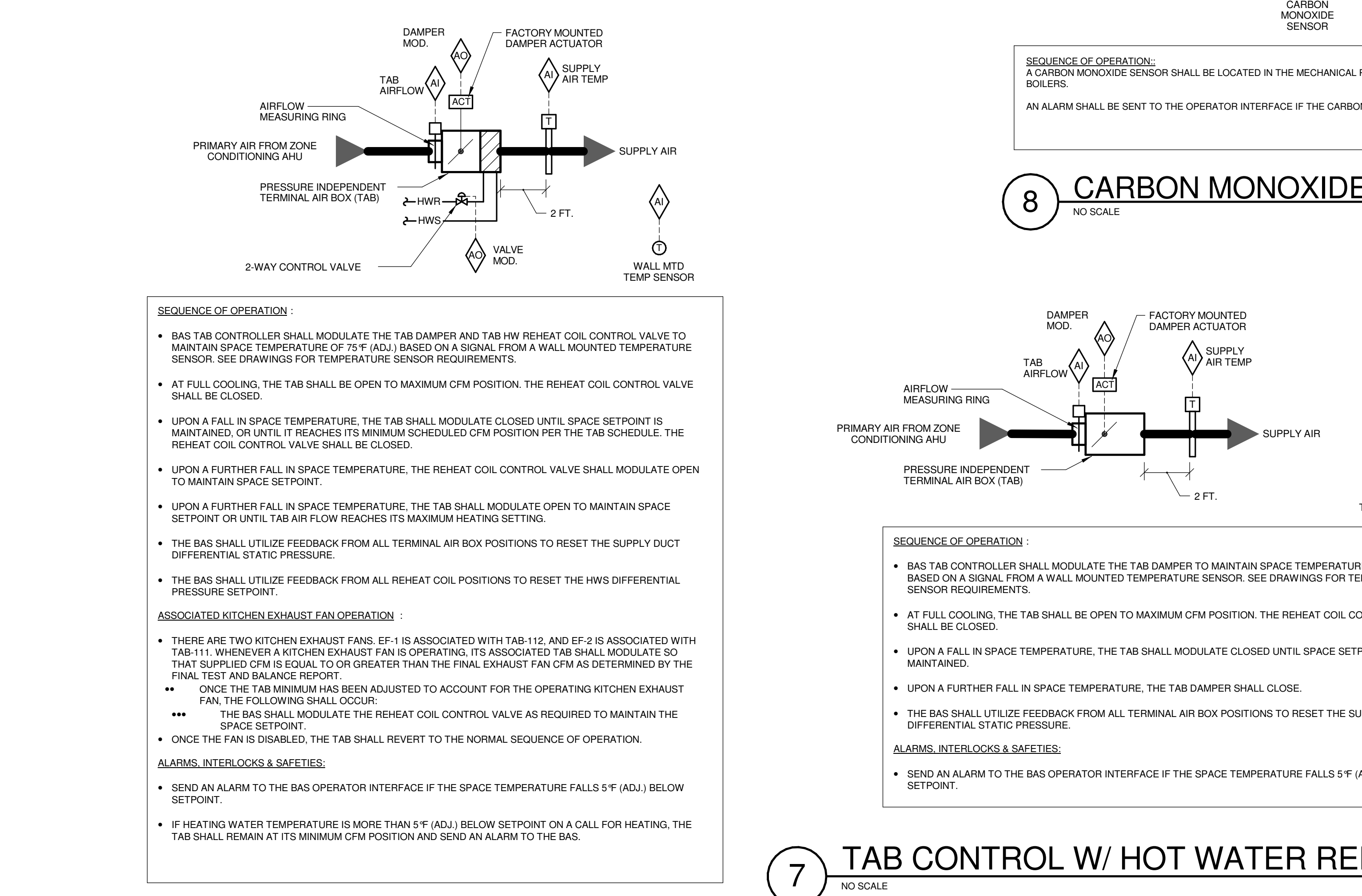
9 UNIT HEATER CONTROL
 NO SCALE



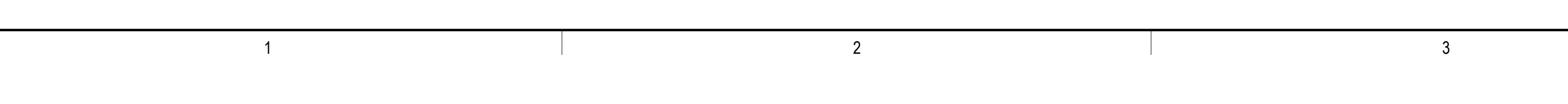
11 SECONDARY STORM MONITORING
 NO SCALE



1 CONDENSING HOT WATER BOILER CONTROL
 NO SCALE



7 TAB CONTROL W/ HOT WATER REHEAT (TYPE D)
 NO SCALE



6 TAB CONTROL W/ HOT WATER REHEAT (TYPE C)
 NO SCALE

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 PROJECT # 14-005-00
 SHEET DESIGN FROM REGISTRATION #18-08973

PLUMBING FIXTURE ROUGH-IN SCHEDULE					
FIXTURE DESCRIPTION	DOMESTIC CW (NOTE 3)	DOMESTIC HW (NOTE 3)	SANITARY (NOTE 3)	VENT (NOTE 3)	NOTES
WATER CLOSET	1"	-	4"	2"	(FLUSH VALVE)
URINAL	3/4"	-	2"	1 1/2"	(FLUSH VALVE - WASHDOWN)
LAVATORY	1/2"	1/2"	1 1/4"	1 1/4"	NOTE 1 & 2
KITCHEN SINK	3/4"	3/4"	1 1/2"	1 1/2"	NOTE 1 (COMMERCIAL KITCHEN)
MOP BASIN	3/4"	3/4"	3"	1 1/2"	-
DRINKING FOUNTAIN	1/2"	-	1 1/2"	1 1/4"	NOTE 1 & 2
FLOOR DRAIN/FLOOR SINK	-	-	4"	2"	-
HOSE BIBB	3/4"	-	-	-	-

- NOTES:
- SANITARY RISER UP IN WALL TO FIXTURE SHALL BE A MINIMUM OF 2".
 - 1/2" CW AND HW APPLIES TO THE FINAL VERTICAL RISE/DROP TO EACH FIXTURE. BRANCH PIPING TO VERTICAL RISE/DROP SHALL BE A MINIMUM OF 3/4" UNLESS NOTED OTHERWISE.
 - SIZES SHOWN ARE MINIMUMS. SIZES SHOWN ON THE DRAWING THAT ARE LARGER THAN THE SIZES LISTED IN THE SCHEDULE SHALL DICTATE THE ROUGH-IN SIZE.

CONTACT PERSONS:	
DESCRIPTION:	PERSON:
PROJECT MANAGER	BRANDON FORTIER
MECHANICAL ENGINEER	BLAIR HAWN

- PLUMBING GENERAL NOTES:**
- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT AND PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF PIPING AND EQUIPMENT, ETC., AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT.
 - DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES, BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
 - COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
 - REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS.
 - ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
 - EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN.
 - REFER TO ARCHITECTURAL REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIOVISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES.
 - IN AREAS WITH DRYWALL, CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, DUCTWORK ACCESSORIES, DAMPERS, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
 - SEAL ALL FLOOR, WALL, AND ROOF PENETRATIONS AIRTIGHT WHERE PIPING PENETRATES. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
 - CAULK ALL PIPE AND DUCT PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
 - WHERE PIPES ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
 - EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY BETWEEN DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
 - DO NOT BLOCK EQUIPMENT SERVICE CLEARANCES.
 - MAINTAIN MINIMUM 3" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTERS, SWITCHES, AND DISCONNECTS.
 - PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
 - DO NOT SUPPORT EQUIPMENT, PIPING, OR DUCTWORK FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.
 - VERIFY UNDERGROUND PIPE INVERT ELEVATIONS AND LOCATIONS PRIOR TO BEGINNING ANY WORK.
 - REFER TO THE PLUMBING ROUGH-IN SCHEDULE FOR THE SIZES OF BRANCH PIPES TO PLUMBING FIXTURES. ALL OTHER PIPING SHALL BE 3/4" UNLESS OTHERWISE NOTED.
 - FOR CLARITY, NOT ALL VALVES HAVE BEEN SHOWN. PROVIDE SHUTOFF VALVES IN DOMESTIC WATER PIPING SERVING EACH ROOM WITH FIXTURES. ANGLE STOPS SHALL NOT BE CONSIDERED SHUTOFF VALVES.

PLUMBING SYMBOL LIST	
SYMBOL:	DESCRIPTION:
	COLD WATER - POTABLE
	SANITARY DRAINAGE (GREASE LADEN)
	HOT WATER - POTABLE
	HOT WATER CIRCULATING - POTABLE
	HOT WATER - POTABLE NUMBER INDICATES TEMP
	HOT WATER CIRC. - POTABLE NUMBER INDICATES TEMP
	PUMPED DISCHARGE
	SANITARY DRAINAGE
	STORM DRAINAGE (ROOF SQUARE FOOTAGE)
	STORM DRAINAGE (SECONDARY)
	VENT
	SERVICE WATER - POTABLE
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
	PIPE SERVING FIXTURE ON FLOOR ABOVE (EXAMPLE: FD = FLOOR DRAIN)
	UNDERFLOOR PIPING (LONG DASHES)
	PITCH PIPE IN DIRECTION
	DIRECTION OF FLOW IN PIPE
	ROOF DRAIN PROPERTIES SYMBOL SIZE (ROOF SQ. FT.)
	NEW
	DIELECTRIC CONNECTION
	UNION/FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	BALANCING VALVE (NUMBER INDICATES GPM)
	CHECK VALVE
	REDUCER - REFERENCE SPECIFICATION FOR CONCENTRIC/ECCENTRIC AND FOT:FOB
	FLOW SENSOR FOR SECONDARY STORM
	METER

PLUMBING ABBREVIATION KEY	
ABBR:	DESCRIPTION:
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
BFP	BACKFLOW PREVENTER
CO	CLEANOUT
DF	DRINKING FOUNTAIN
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FFD	FUNNEL FLOOR DRAIN
FS	FLOOR SINK
GI	GREASE INTERCEPTOR
HB	HOSE BIBB
I.E.	INVERT ELEVATION (FOR REFERENCE ONLY)
LAV	LAVATORY
MB	MOP BASIN
MV	MIXING VALVE
RD	ROOF DRAIN
SCW	SOFT COLD WATER
SK	SINK
UR	URINAL
VTR	VENT THROUGH ROOF
WC	WATER CLOSET
WCO	WALL CLEANOUT
WH	WATER HEATER
WHA	WATER HAMMER ARRESTOR
YCO	YARD CLEANOUT

FIRE BARRIER DESIGNATIONS

THE SYMBOLS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

ALL FLOOR, FLOOR CEILING, AND ROOF CEILING ASSEMBLIES SHALL BE DESIGNATED AS 1 HOUR FIRE BARRIERS, UNLESS NOTED OTHERWISE ON THE PLANS. RATINGS WERE ACQUIRED FROM THE ARCHITECTURAL PLANS DATED 08/12/2015.

1 HOUR FIRE BARRIER

VIEW KEY

LINE TYPE KEY:

- NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
- NEW WORK UNDERFLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)
- NEW WORK BY OTHERS AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)
- EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK SHORT DASHED LINE)

PLUMBING SHEET INDEX

P0.00	PLUMBING COVER SHEET
P1.01	UNDER FLOOR PLAN - WEST - PLUMBING
P1.02	UNDER FLOOR PLAN - EAST - PLUMBING
P1.11	LEVEL 1 PLAN - WEST - PLUMBING
P1.12	LEVEL 1 PLAN - EAST - PLUMBING
P1.21	LEVEL 2 PLAN - WEST - PLUMBING
P1.22	LEVEL 2 PLAN - EAST - PLUMBING
P1.31	ROOF PLAN - WEST - PLUMBING
P1.32	ROOF PLAN - EAST - PLUMBING
P3.00	ENLARGED PLANS - PLUMBING
P3.01	ENLARGED PLANS - PLUMBING
P3.02	ENLARGED PLANS - PLUMBING
P3.03	ENLARGED PLANS - PLUMBING
P4.00	PLUMBING DETAILS
P4.01	PLUMBING DETAILS
P4.02	PLUMBING DETAILS
P5.00	PLUMBING MATERIAL LIST

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Blair Hawn
Professional Engineer
Ill. No. 081787

Block Design Firm Registration #18-08073

PROJECT # 14-043.00

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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
1125 135th ST. ROMEORVILLE, IL 60446
DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
PLUMBING COVER SHEET

SHEET NUMBER:

P0.00

KEYNOTES: **#**
 1. PROVIDE MAN-HOLE AT 5' OUTSIDE OF THE BUILDING. REFER TO SPECIFICATION 22.10.30 FOR MORE INFORMATION.



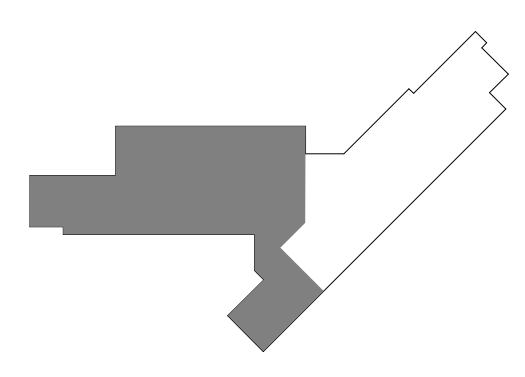
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 1125 135th ST. ROMEORVILLE, IL 60446
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KEY PLAN:



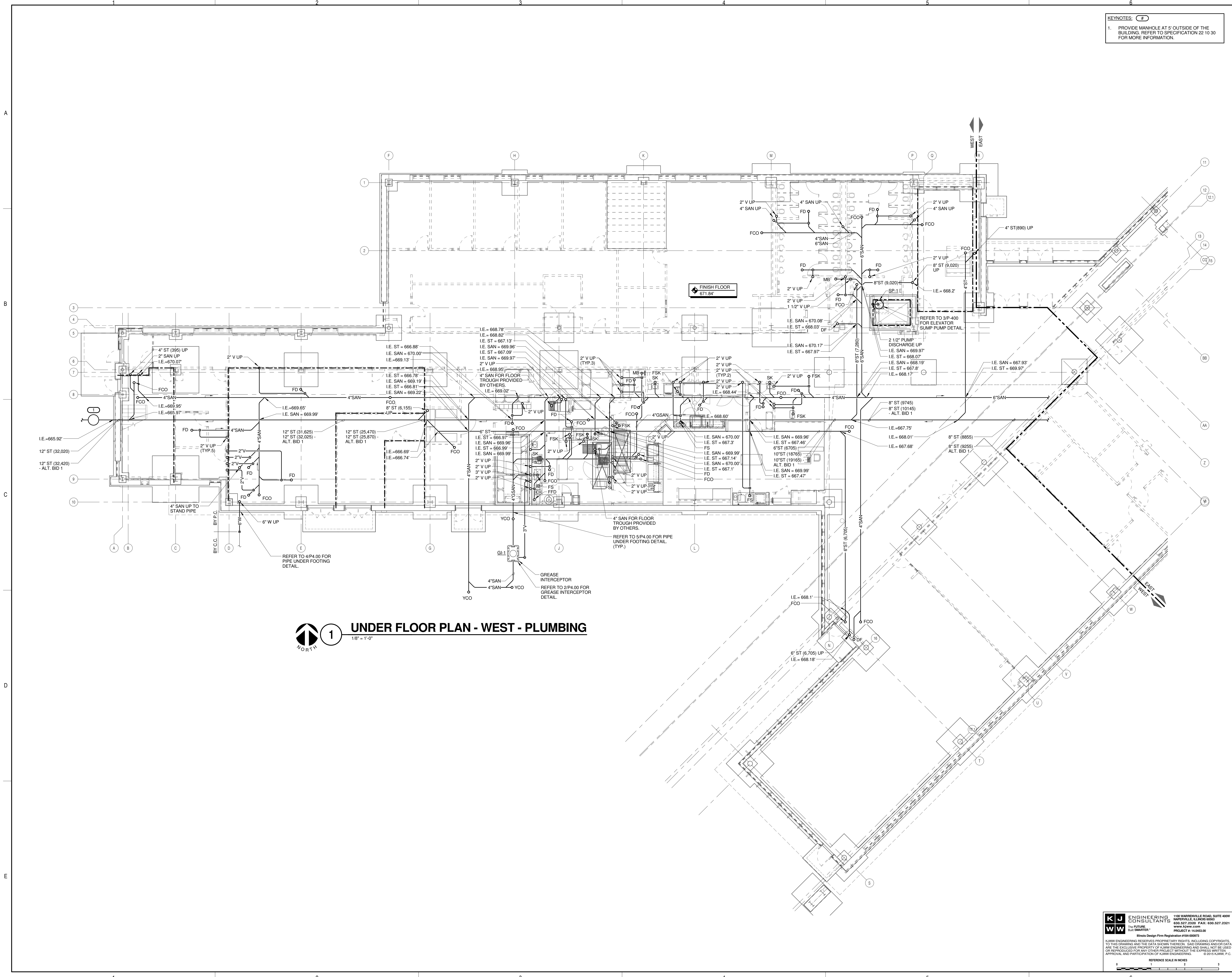
SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
UNDER FLOOR PLAN - WEST - PLUMBING

SHEET NUMBER:

P1.01



1 UNDER FLOOR PLAN - WEST - PLUMBING
 1/8" = 1'-0"

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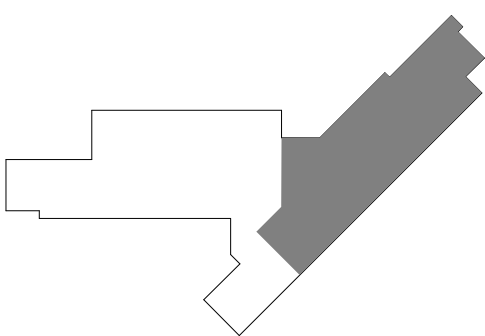
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 DKA PROJECT NO: 14-005

KEY PLAN:



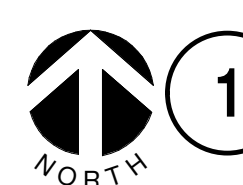
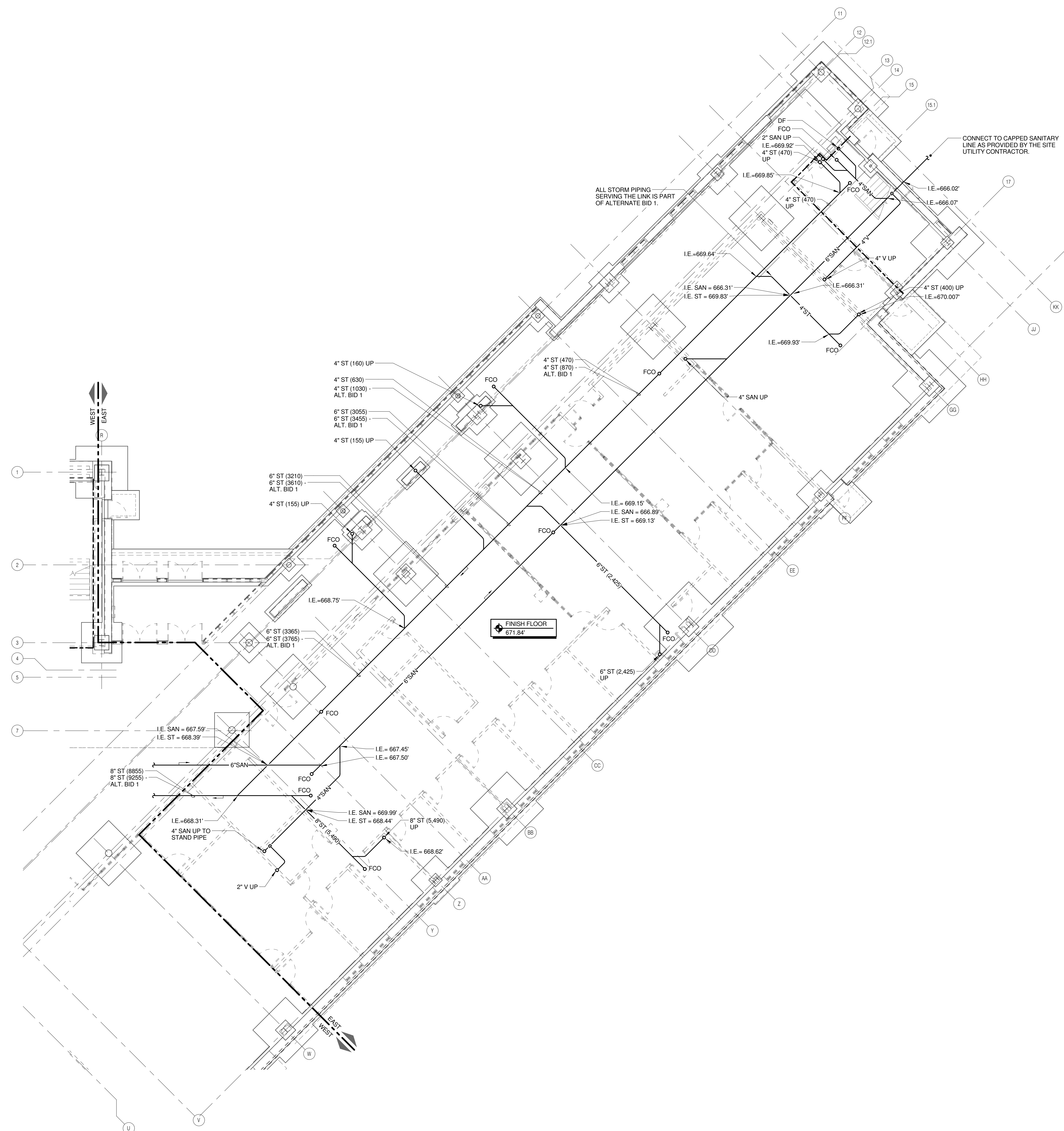
SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**UNDER FLOOR PLAN
 - EAST - PLUMBING**

SHEET NUMBER:

P1.02



1 UNDER FLOOR PLAN - EAST - PLUMBING
 1/8" = 1'-0"

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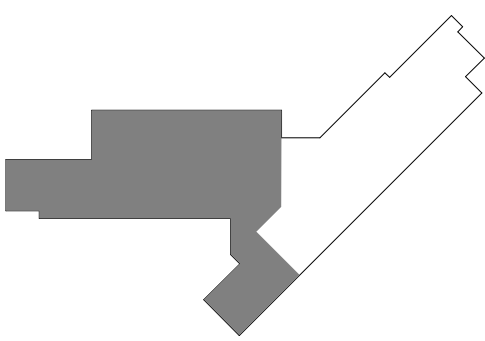
ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE RD., SUITE 400W
 NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE., SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

JOLIET JUNIOR COLLEGE
ROMEOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



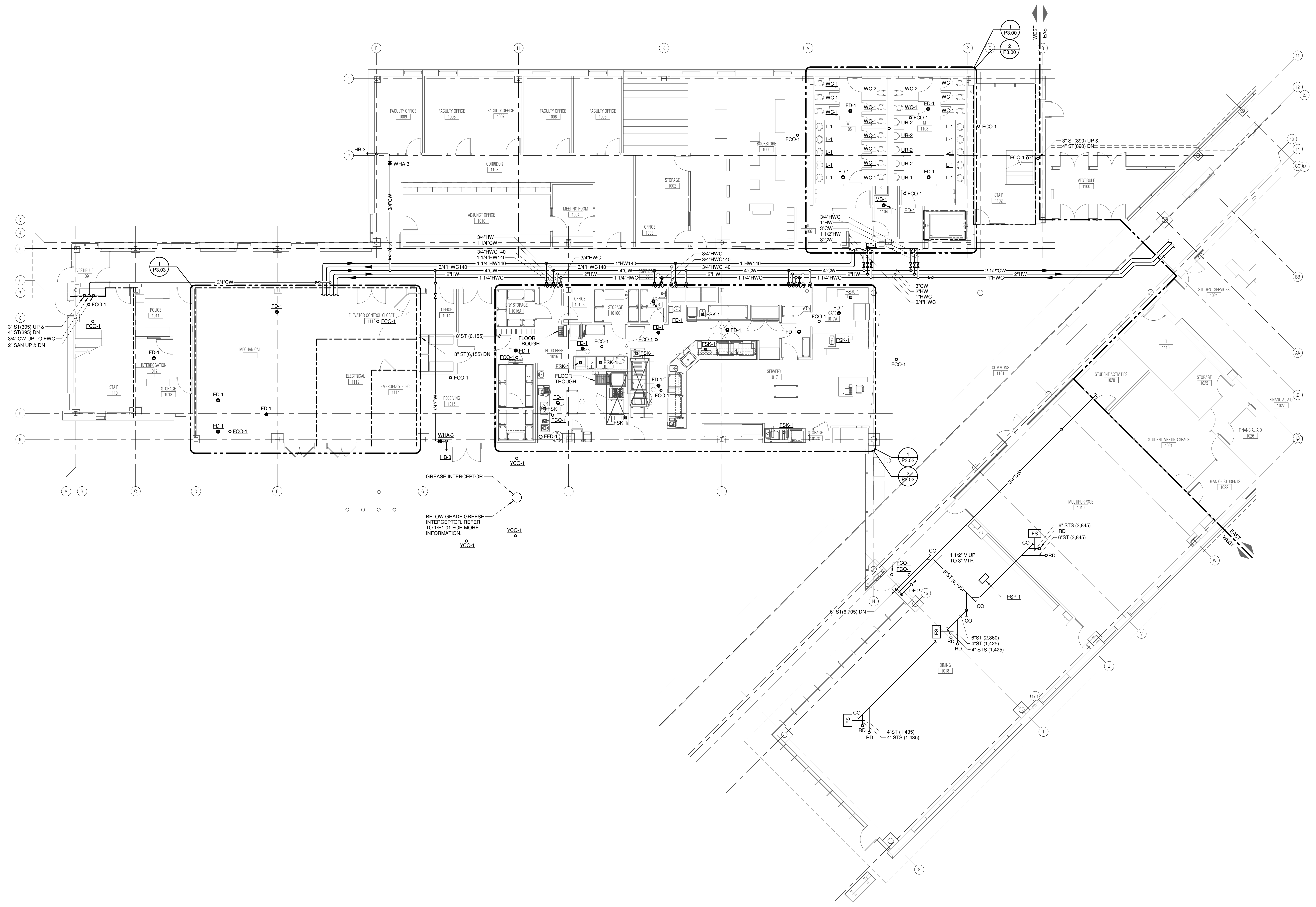
SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - WEST - PLUMBING

SHEET NUMBER:

P1.11



1 LEVEL 1 PLAN - WEST - PLUMBING
 1/8" = 1'-0"

KJWW ENGINEERING CONSULTANTS
 1100 WARRENVILLE ROAD, SUITE 400W
 NAPERVILLE, IL 60563
 630.527.2320 FAX: 630.527.2321
 WWW.KJWW.COM
 PROJECT # 14-005

DESIGN FIRM REGISTRATION #14-005-0075

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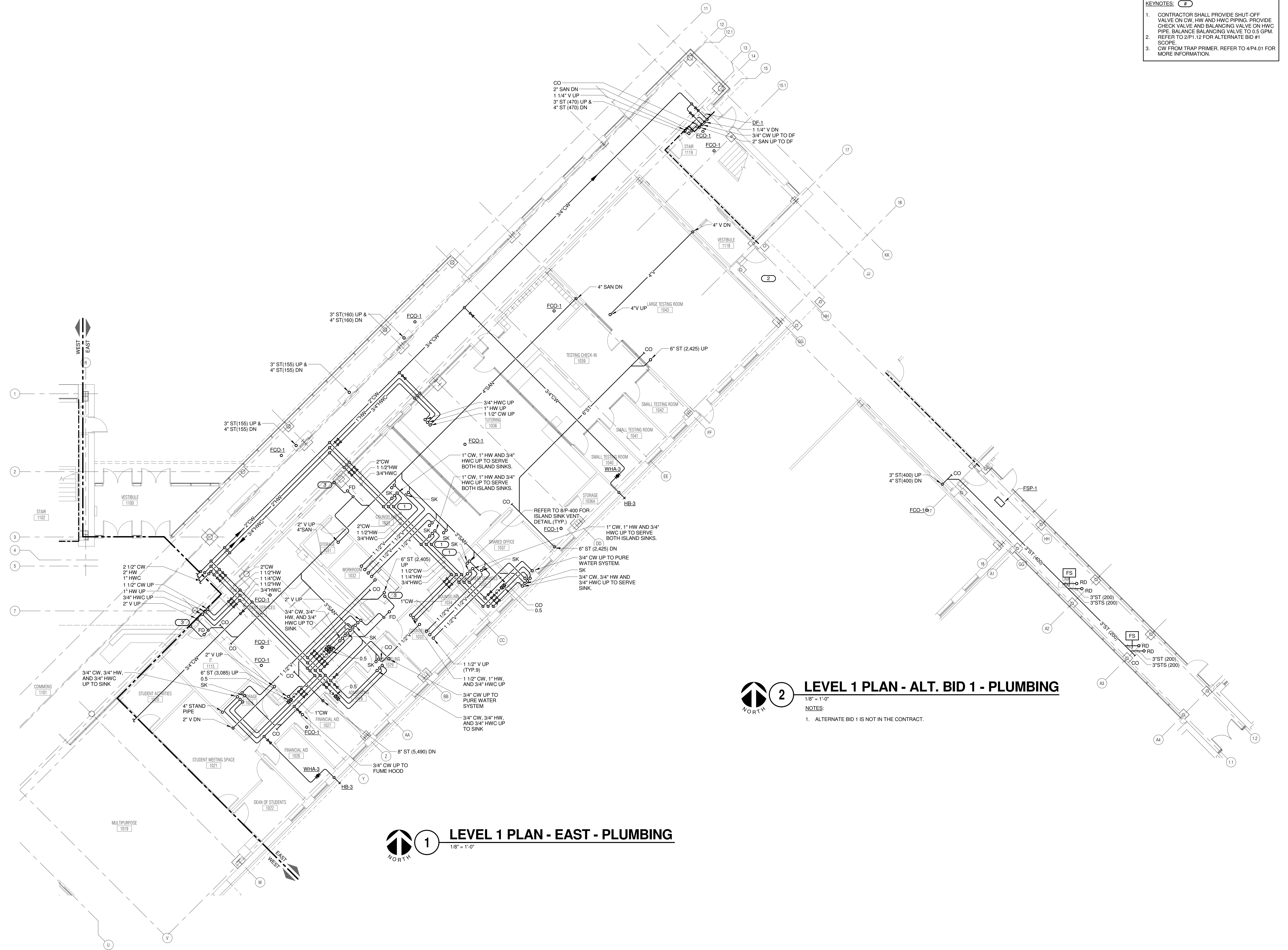


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 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
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 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE., SUITE 212
 DES PLAINES, IL 60018
 P: 847.238.0088

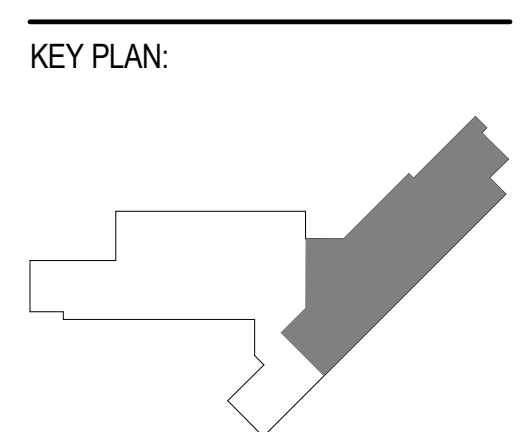
- KEYNOTES:**
- CONTRACTOR SHALL PROVIDE SHUT-OFF VALVE ON CW, HW AND HWC PIPING. PROVIDE CHECK VALVE AND BALANCING VALVE ON HWC PIPE. BALANCE BALANCING VALVE TO 0.5 GPM. REFER TO 2/P1.12 FOR ALTERNATE BID #1 SCOPE.
 - CW FROM TRAP PRIMER. REFER TO 4/P4.01 FOR MORE INFORMATION.



1 LEVEL 1 PLAN - EAST - PLUMBING
 1/8" = 1'-0"

2 LEVEL 1 PLAN - ALT. BID 1 - PLUMBING
 1/8" = 1'-0"
 NOTES:
 1. ALTERNATE BID 1 IS NOT IN THE CONTRACT.

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - EAST - PLUMBING

SHEET NUMBER:
P1.12

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 NAPERVILLE, IL 60563
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 PROJECT # 14-005-00
 DESIGNER: [Signature]
 CHECKER: [Signature]
 DATE: 9/21/15

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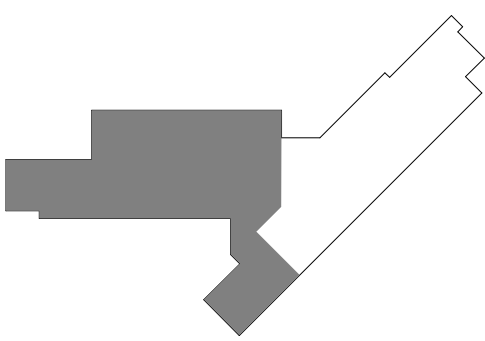
ARCHITECT OF RECORD
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 CHICAGO, IL 60661
 P: 312.496.0000

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 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
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 P: 847.288.0088

JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



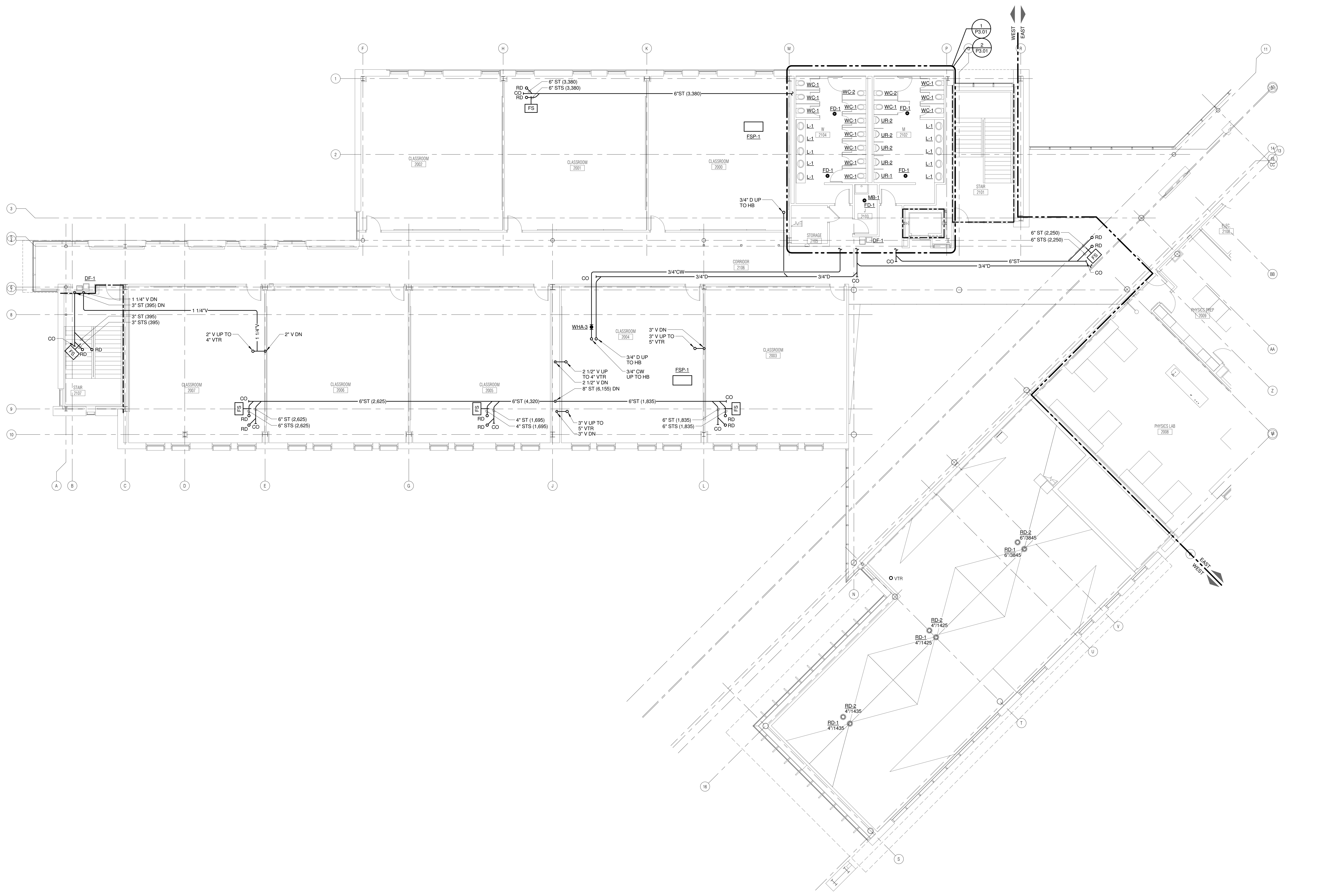
SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 2 PLAN - WEST - PLUMBING

SHEET NUMBER:

P1.21



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

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 1100 WARRENVILLE ROAD, SUITE 400W
 NAPERVILLE, IL 60563
 630.527.2320 FAX: 630.527.2321
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THE REGISTERED PROFESSIONAL ENGINEER
 PROJECT # 14-005-00

Illinois Design Firm Registration #18-000773

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REFERENCE SCALE IN INCHES
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- KEYNOTES:**
- CONTRACTOR SHALL PROVIDE SHUT-OFF VALVE ON CW, HW AND HWC PIPING. PROVIDE CHECK VALVE AND BALANCING VALVE ON HWC PIPE. BALANCE BALANCING VALVE TO 0.5 GPM. PROVIDE AND INSTALL KEYNOTE
 - NEUTRALIZATION TANK NT-1. PROVIDE ACID WASTE PIPE BETWEEN DRAIN AND NEUTRALIZATION TANK. REFER TO 22 10 00 FOR ACID WASTE PIPE REQUIREMENTS
 - ROUTE 3/4" CW PIPING AND MAKE FINAL CONNECTION TO FUME HOOD (PROVIDED AND INSTALLED BY OTHERS).

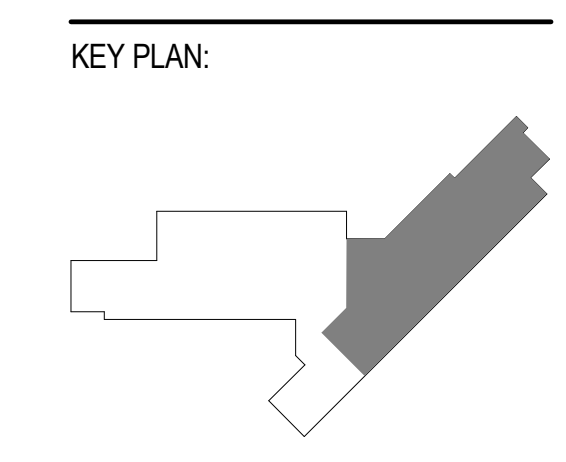


ARCHITECT OF RECORD
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 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
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 1100 WARRENVILLE RD., SUITE 400W
 NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
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 P: 847.298.0088

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

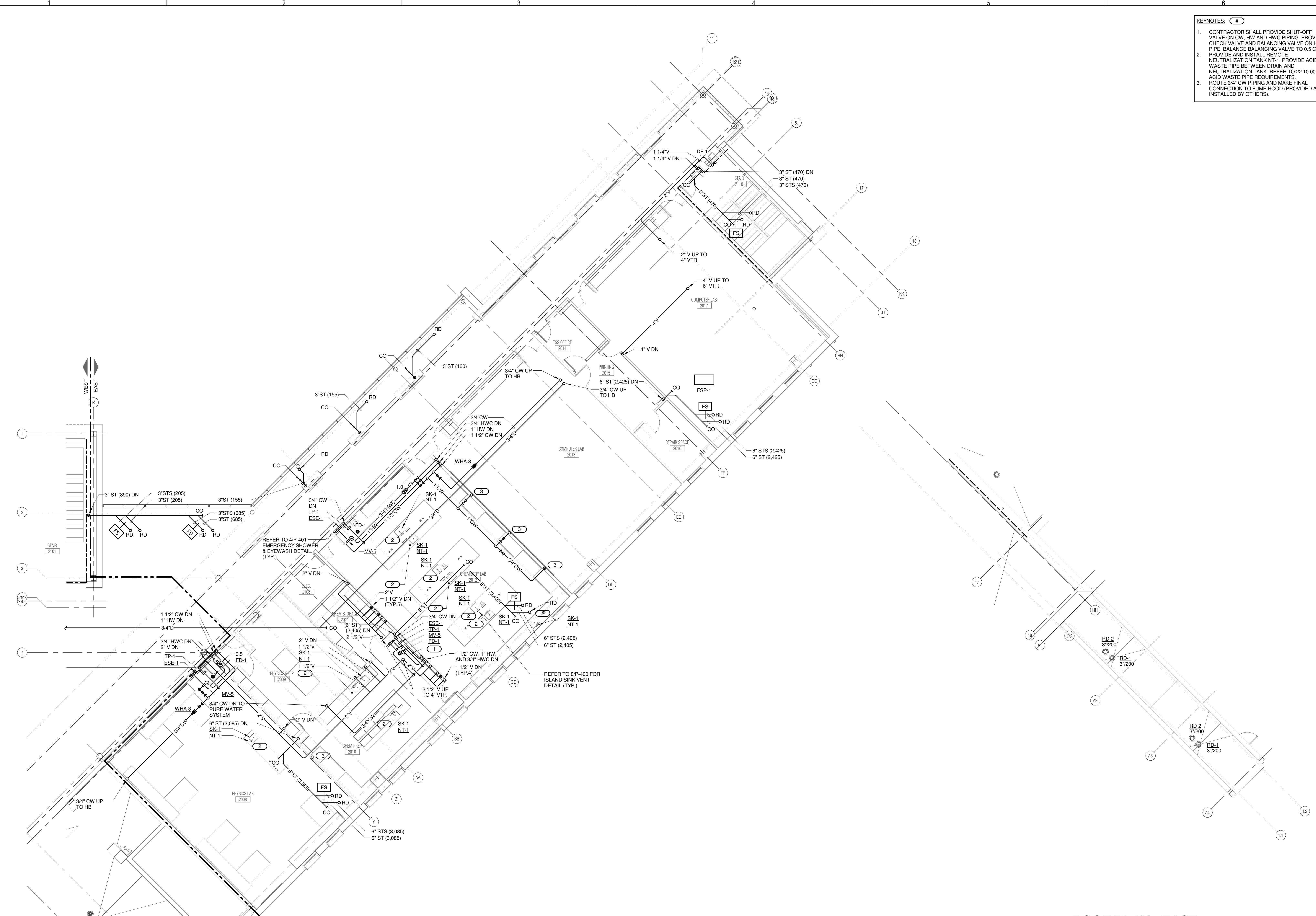


SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION	DATE
3	ADDENDUM 3	09/03/15

SHEET TITLE:
LEVEL 2 PLAN - EAST - PLUMBING

SHEET NUMBER:
P1.22



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

2 ROOF PLAN - EAST - PLUMBING - ALT BID 1
 1/8" = 1'-0"

ROOF PLAN - EAST - PLUMBING - ALT BID 1

- NOTES:
 1. ALTERNATE BID 1 IS NOT IN THE CONTRACT.

KJWW ENGINEERING CONSULTANTS
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Project # 14-005-00
 Design Firm Registration #14-005-00

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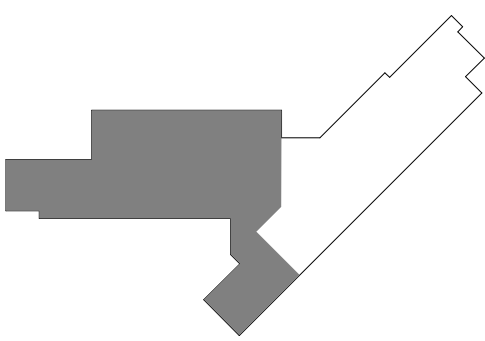
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 125 N. HALSTED STREET, SUITE 301
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 P: 312.496.0000

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KJWW ENGINEERING CONSULTANTS
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CINI LITTLE INTERNATIONAL, INC.
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 DES PLAINES, IL 60018
 P: 847.288.0088

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

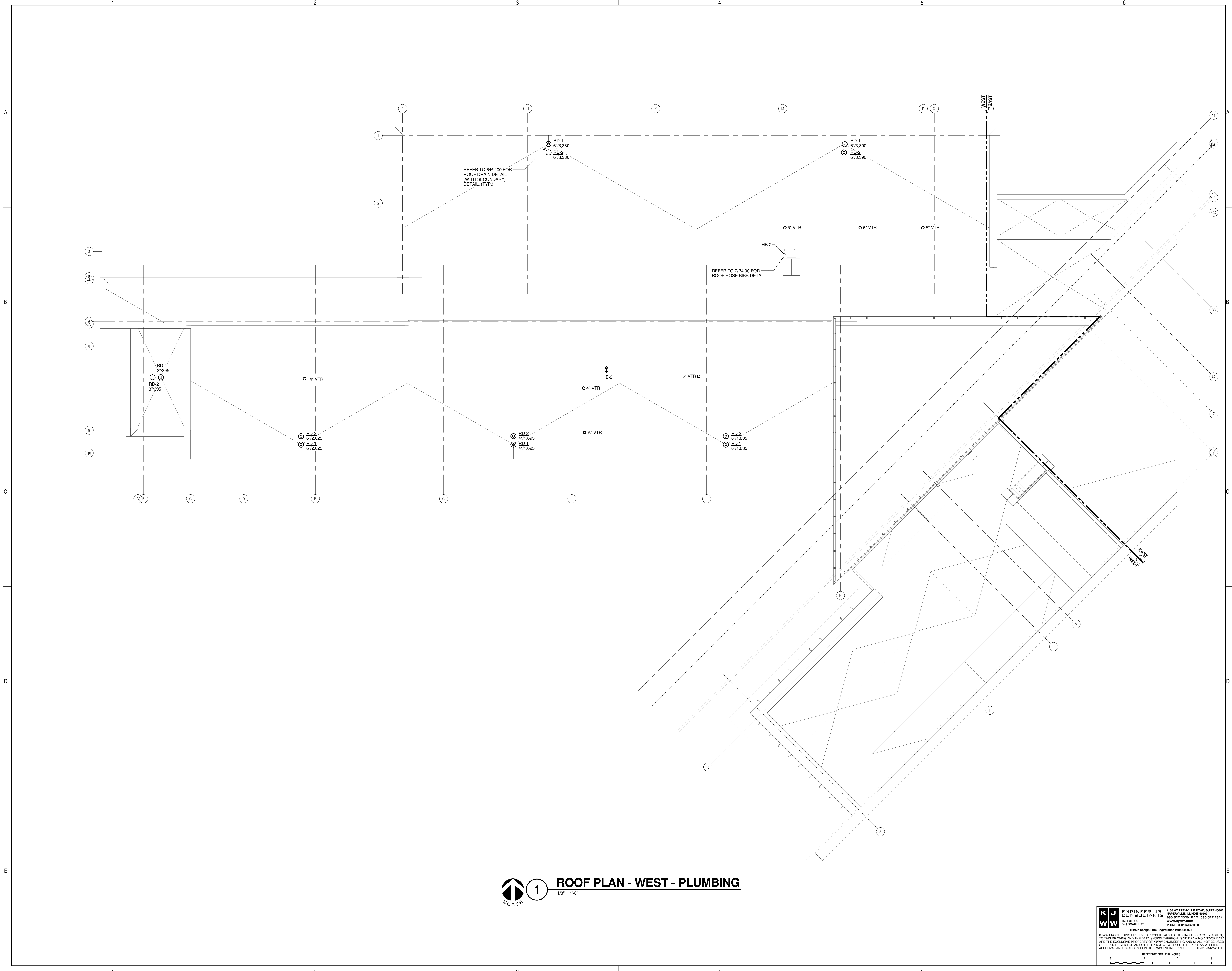


SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ROOF PLAN - WEST - PLUMBING

SHEET NUMBER:
P1.31



1 ROOF PLAN - WEST - PLUMBING
 1/8" = 1'-0"

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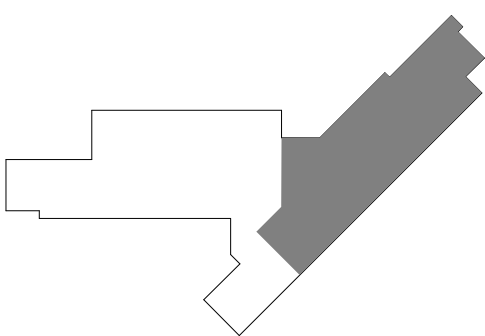
ARCHITECT OF RECORD
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 P: 312.496.0000

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 NAPERVILLE, IL 60563
 P: 630.527.2320

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CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE., SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

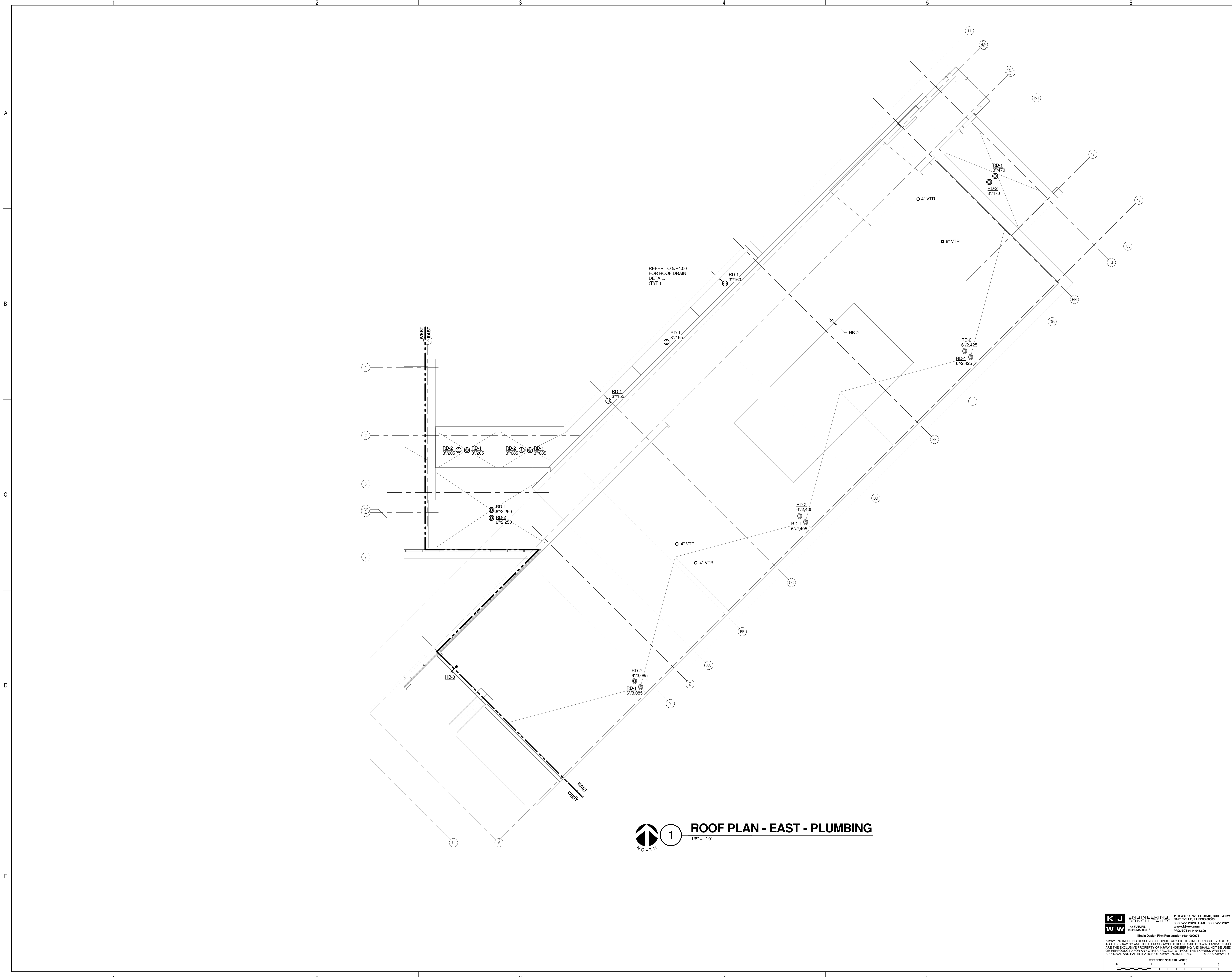


SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ROOF PLAN - EAST - PLUMBING

SHEET NUMBER:
P1.32



1 ROOF PLAN - EAST - PLUMBING
 1/8" = 1'-0"

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 1100 WARRENVILLE ROAD, SUITE 400W
 NAPERVILLE, IL 60563
 630.527.2320 FAX: 630.527.2321
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 PROJECT # 14-005-00

W W ENGINEERING CONSULTANTS
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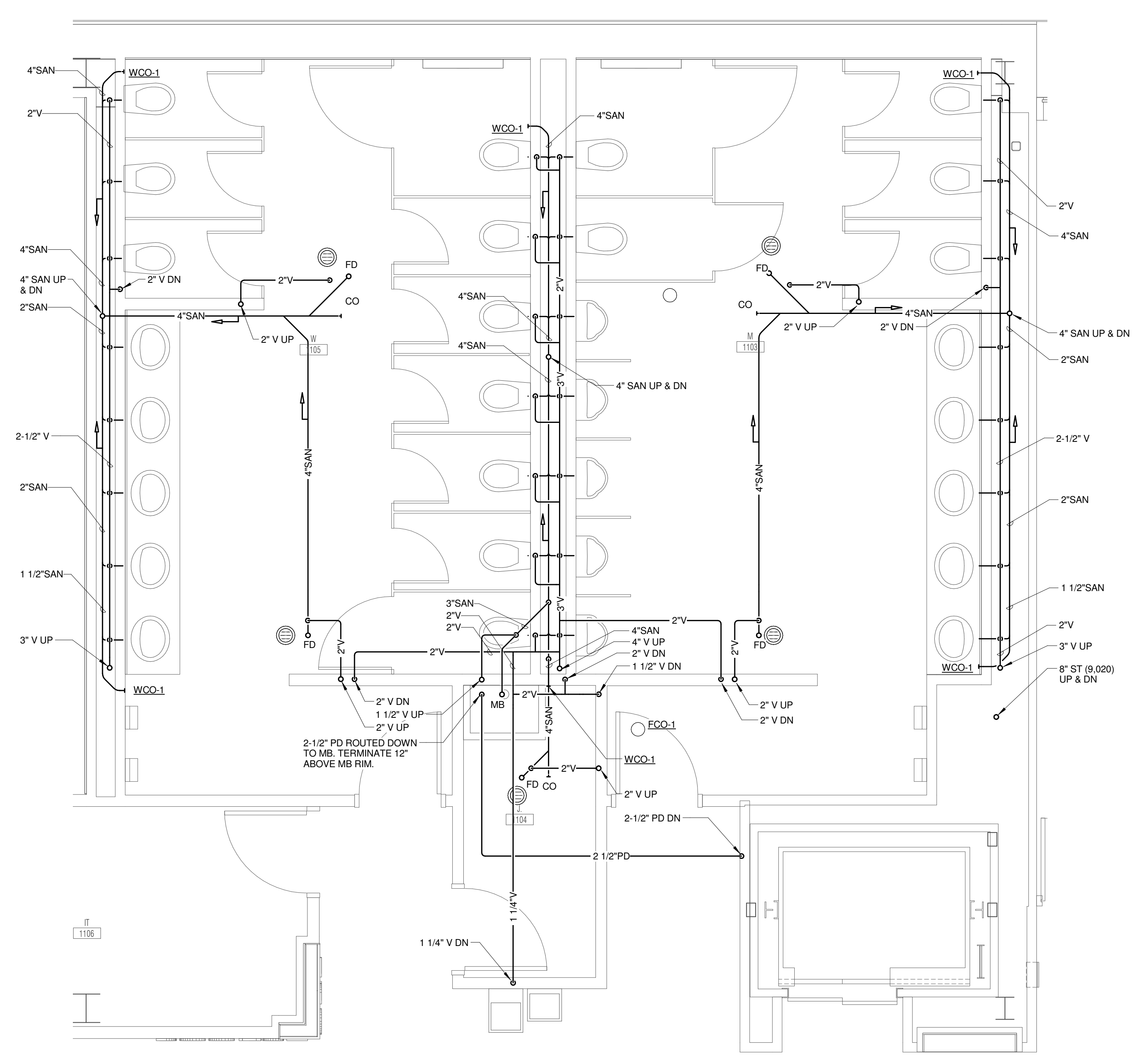
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 P: 312.496.0000

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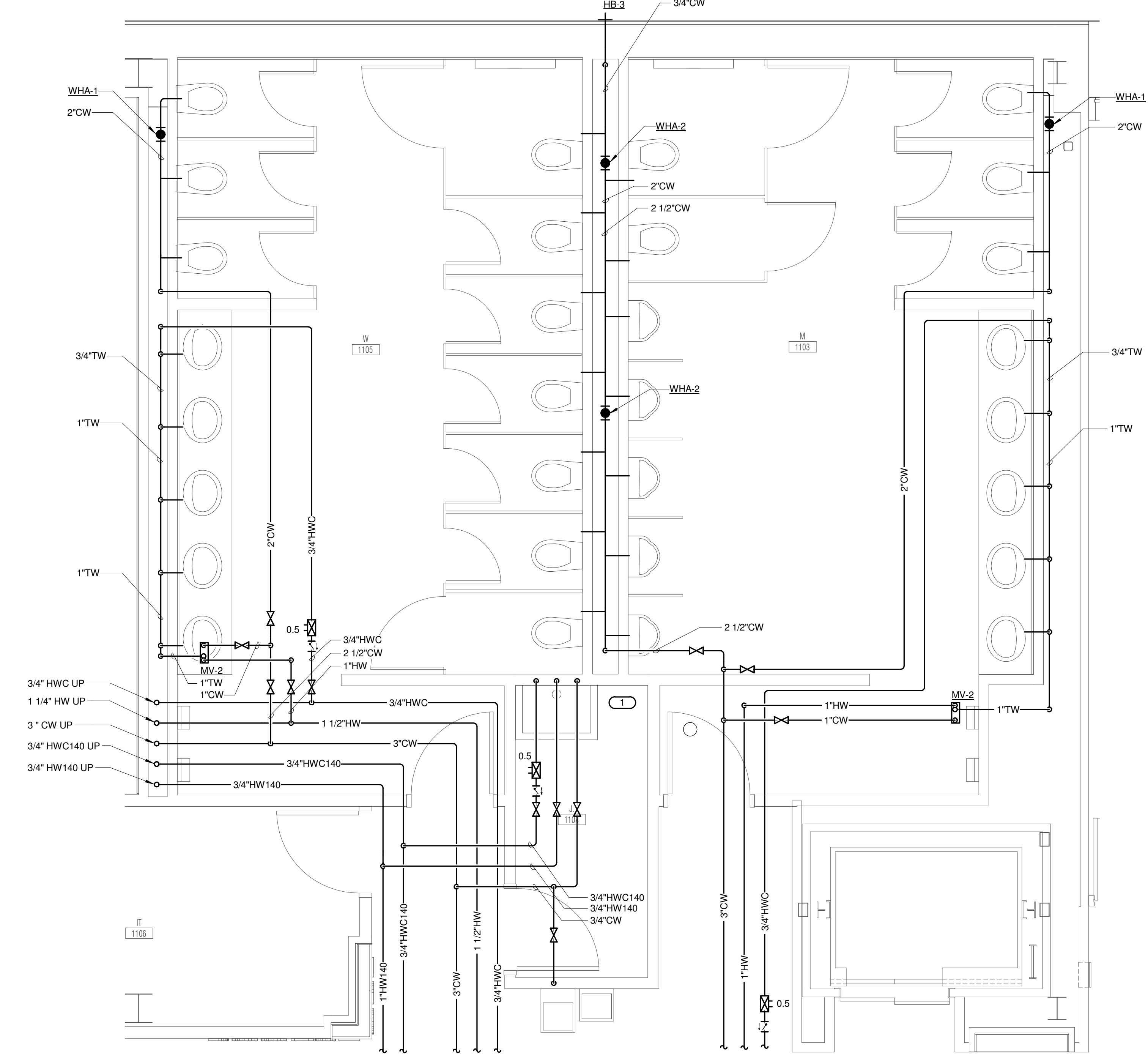
FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE., SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

KEYNOTES:

1. EXTEND 3/4" CW & 3/4" HW140 PIPING TO SERVE MV-3. CONNECT 3/4" HWC140 TO HW140 PIPING WITHIN 3 FT OF THE MIXING VALVE. PROVIDE MANUAL BALANCING VALVE SET TO 0.5 GPM ON HWC140 BRANCH. EXTEND TW PIPING FROM MIXING VALVE TO BEP-1. DRAIN PIPING FROM BFP SHALL BE ROUTED TO MOP BASIN AND TERMINATE 6" ABOVE RIM. ROUTE TW FROM BFP TO BEP-1 FOR FUTURE CONNECTION TO CHEMICAL MIXING STATION (PROVIDED BY OTHERS). MV-3, BEP-1 AND BEP-1 SHALL ALL BE LOCATED ON THE WALL ADJACENT TO THE MOP BASIN IN AN ACCESSIBLE LOCATION (5'-0" AFF MAX). COORDINATE EXACT LOCATION WITH FUTURE CHEMICAL MIXING STATION.



1 ENLARGED PLUMBING PLAN - M 1103, W 1105 - SAN/VENT
 3/8" = 1'-0"



2 ENLARGED PLUMBING PLAN - M 1103, W 1105 - DOMESTIC
 3/8" = 1'-0"

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 1100 WARRENVILLE ROAD, SUITE 400W
 NAPERVILLE, ILLINOIS 60563
 630.527.2320 FAX: 630.527.2321
 WWW.KJWW.COM
 PROJECT # 14-043.00
 Illinois Design Firm Registration #14-00073

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REFERENCE SCALE IN INCHES
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ENLARGED PLANS - PLUMBING

SHEET NUMBER:
P3.00



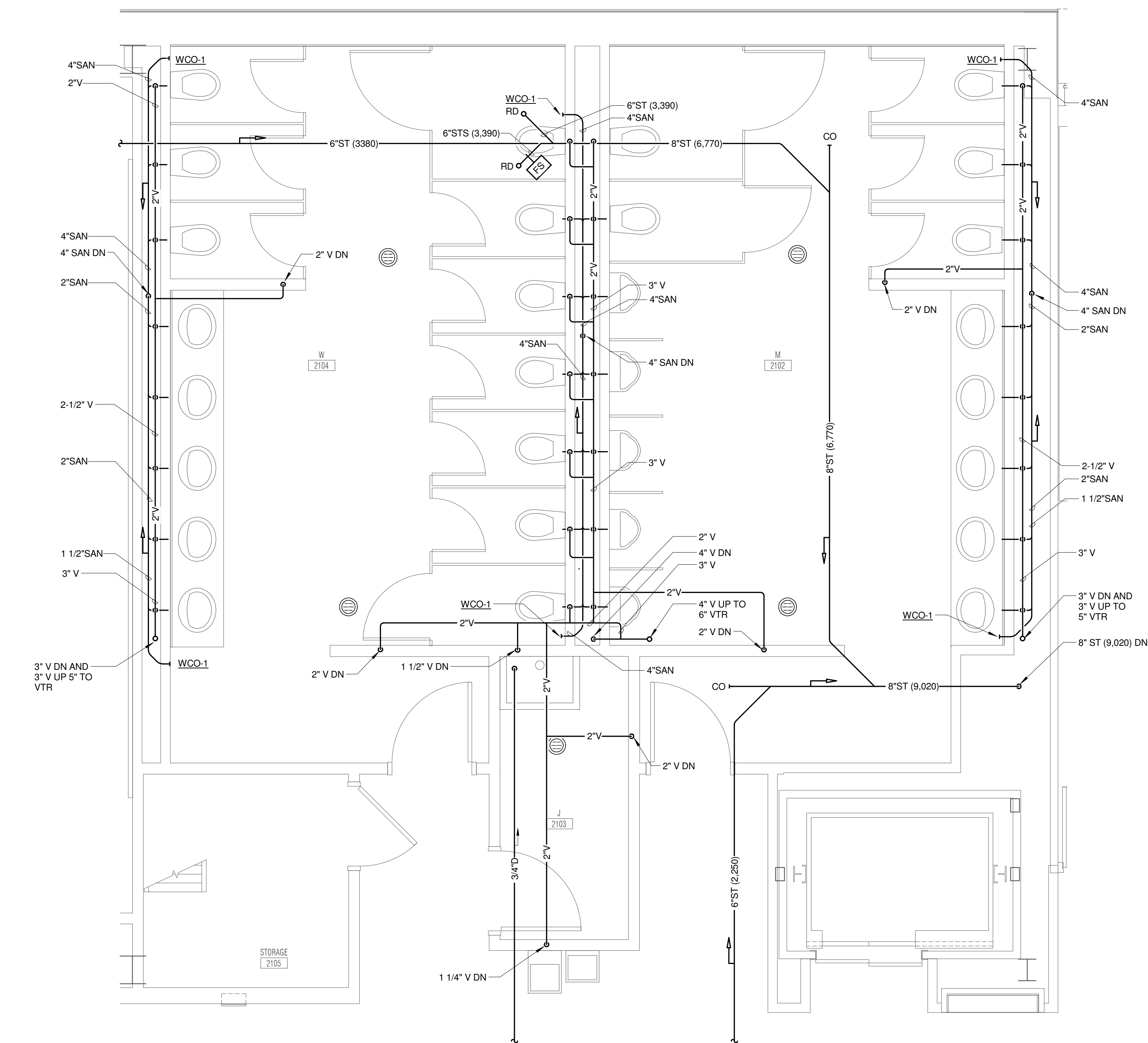
ARCHITECT OF RECORD
DEMONICA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
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STRUCTURAL AND MEP/FP ENGINEERING
KJWW ENGINEERING CONSULTANTS
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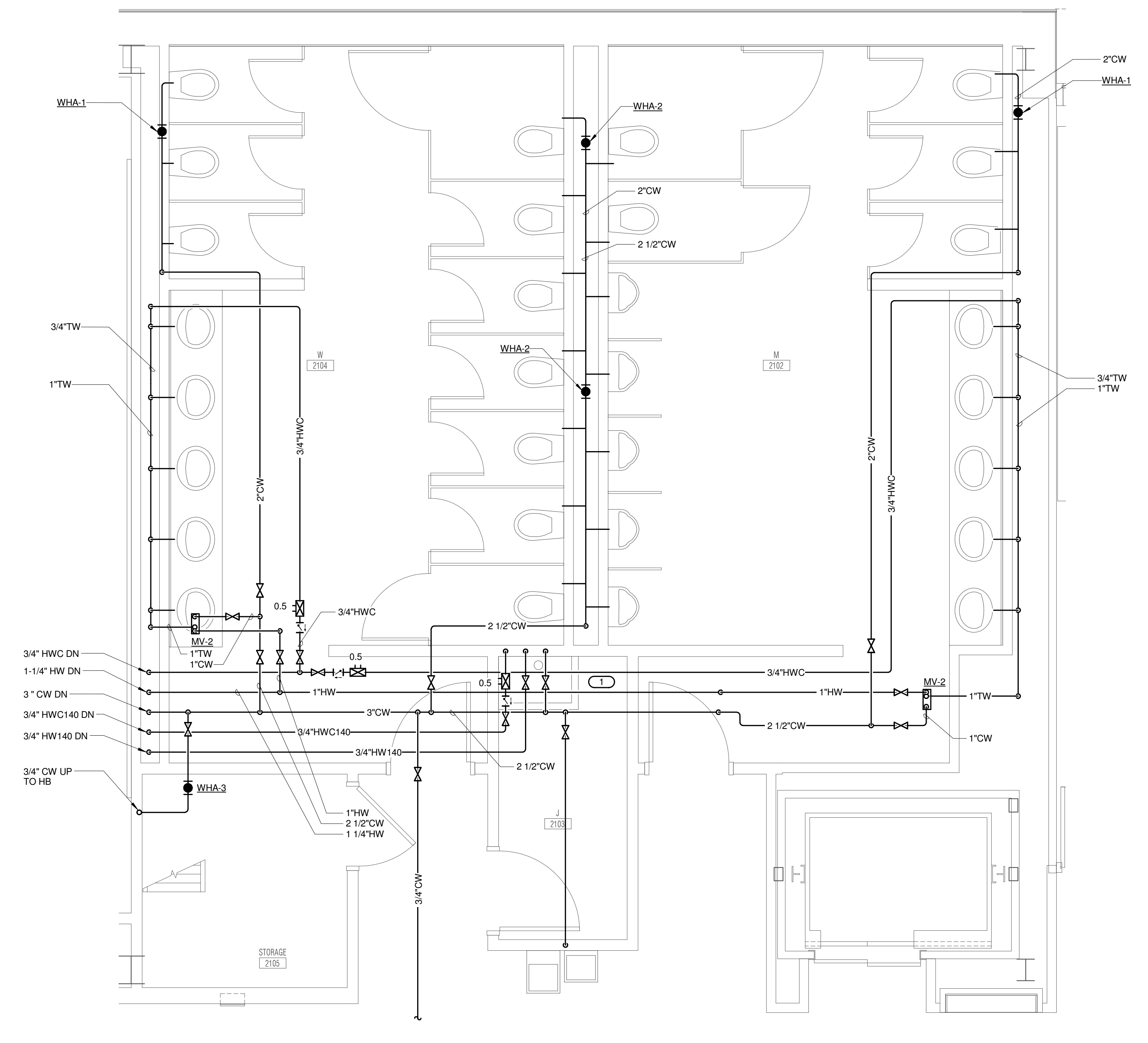
FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE., SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

KEYNOTES: **#**

1. EXTEND 3/4" CW & 3/4" HW140 PIPING TO SERVE MV-3. CONNECT 3/4" HWC140 TO HW140 PIPING WITHIN 8 FT OF THE MIXING VALVE. PROVIDE MANUAL BALANCING VALVE SET TO 0.5 GPM ON HWC140 BRANCH. EXTEND TW PIPING FROM MIXING VALVE TO BEP-1. DRAIN PIPING FROM BEP SHALL BE ROUTED TO MOP BASIN AND TERMINATE 6" ABOVE RIM. ROUTE TW FROM BEP TO HB-1 FOR FUTURE CONNECTION TO CHEMICAL MIXING STATION (PROVIDED BY OTHERS). MV-3, BEP-1 AND HB-1 SHALL ALL BE LOCATED ON THE WALL ADJACENT TO THE MOP BASIN IN AN ACCESSIBLE LOCATION (5'-0" AFE MAX). COORDINATE EXACT LOCATION WITH FUTURE CHEMICAL MIXING STATION.



1 ENLARGED PLUMBING PLAN - M 2102, W 2104 - SAN/VENT
 3/8" = 1'-0"



2 ENLARGED PLUMBING PLAN - M 2102, W 2104 - DOMESTIC
 3/8" = 1'-0"

JOLIET JUNIOR COLLEGE
ROMEDEVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEDEVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ENLARGED PLANS - PLUMBING

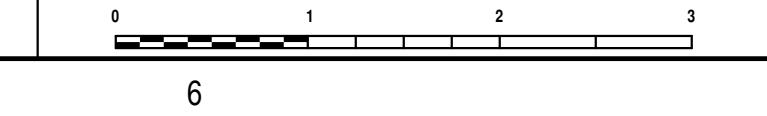
SHEET NUMBER:

P3.01

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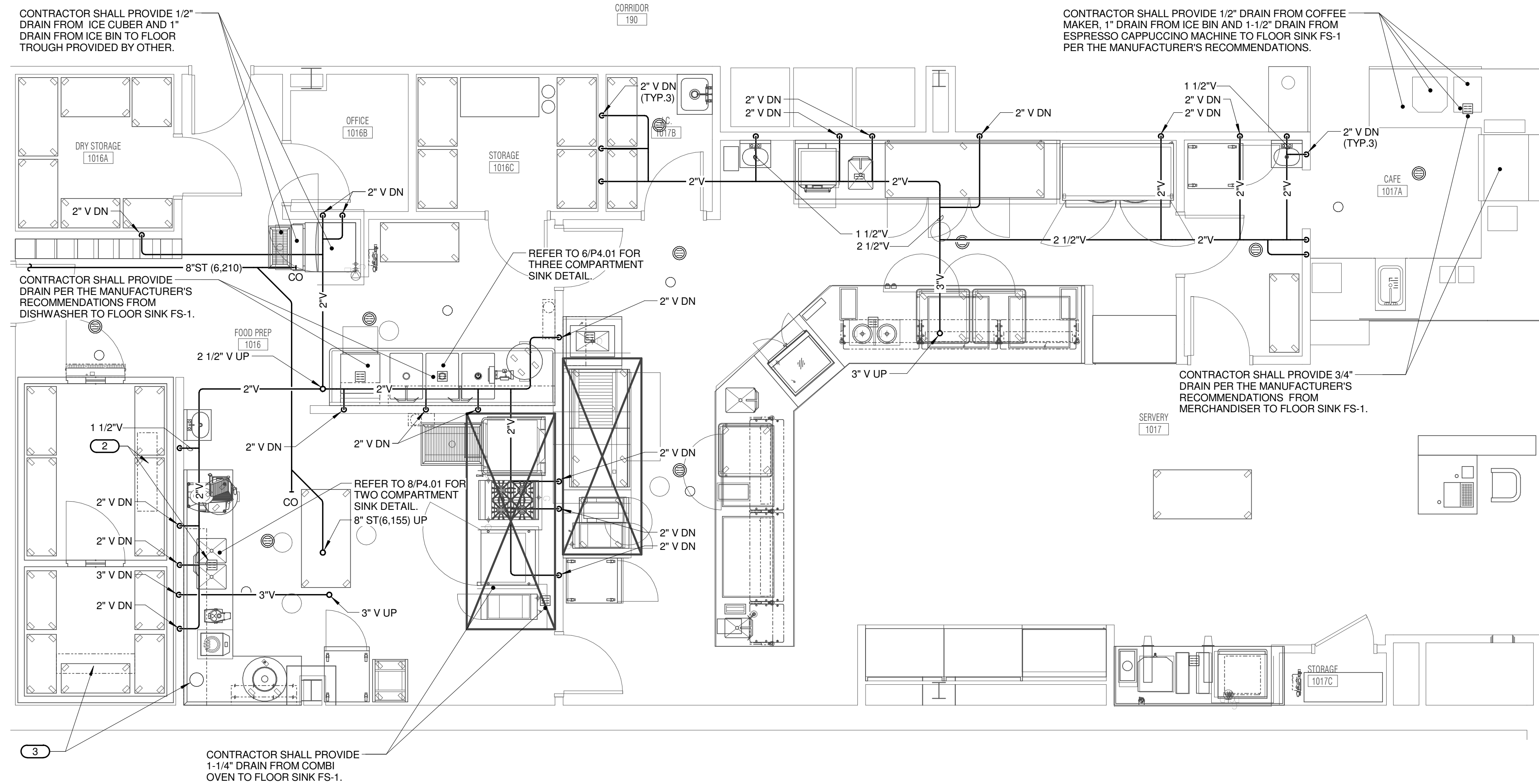


ARCHITECT OF RECORD
DEMIONA KEMPER ARCHITECTS
 125 N. HALSTED STREET, SUITE 301
 CHICAGO, IL 60661
 P: 312.496.0000

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KJWW ENGINEERING CONSULTANTS
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 NAPERVILLE, IL 60563
 P: 630.527.2320

FOOD SERVICE CONSULTANT
CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE., SUITE 212
 DES PLAINES, IL 60018
 P: 847.298.0088

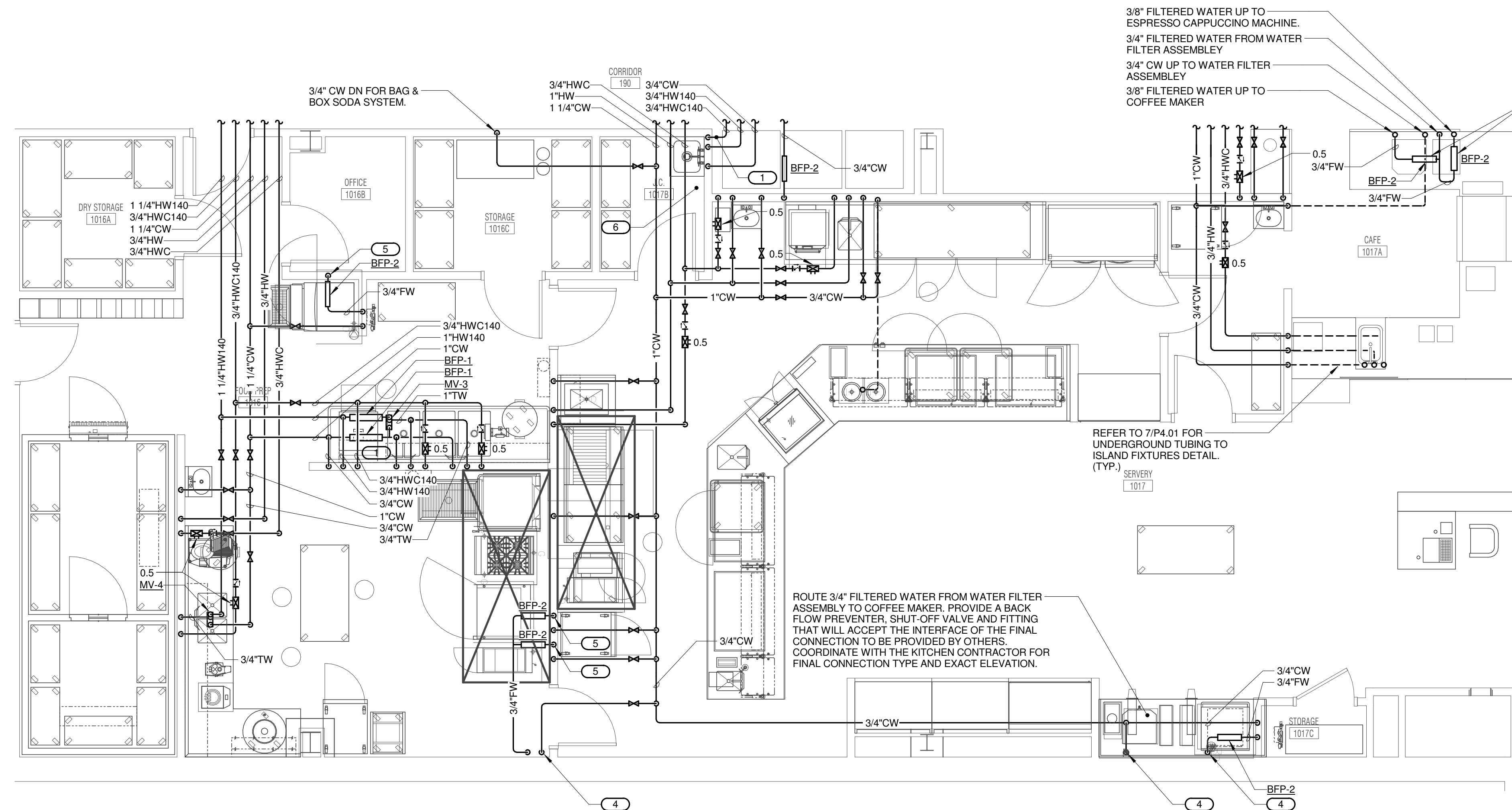
- KEYNOTES:**
- CONTRACTOR SHALL PROVIDE SHUT-OFF VALVE ON CW, HW AND HWC PIPING. PROVIDE CHECK VALVE AND BALANCING VALVE ON HWC PIPE. BALANCE BALANCING VALVE TO 0.5 GPM.
 - CONTRACTOR SHALL ROUTE 1/2" DRAIN LINE FROM EVAPORATED AND TERMINATE WITH AN INDIRECT CONNECTION AT THE FLOOR SINK LOCATED HERE. THE CONTRACTOR SHALL SEAL THE WALL PENETRATION PER THE MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR SHALL ROUTE 1/2" DRAIN LINE FROM EVAPORATED AND TERMINATE WITH AN INDIRECT CONNECTION AT THE FUNNEL FLOOR DRAIN LOCATED HERE. THE CONTRACTOR SHALL SEAL THE WALL PENETRATION PER THE MANUFACTURER'S RECOMMENDATIONS.
 - ROUTE EXPOSED 3/4" CW DOWN WALL AND CONNECT TO WATER FILTER PROVIDED BY OTHERS.
 - ROUTE 3/4" FILTERED WATER DOWN WITHIN WALL. PENETRATE WALL AND PROVIDE A SHUT-OFF VALVE AND FITTING THAT WILL ACCEPT THE INTERFACE OF THE FINAL CONNECTION TO BE PROVIDED BY OTHERS. COORDINATE WITH THE KITCHEN CONTRACTOR FOR FINAL CONNECTION TYPE AND EXACT ELEVATION.
 - EXTEND 1/2" CW & 3/4" HW/140 PIPING TO SERVE MV-3. CONNECT 1/2" HWC140 TO HW140 PIPING WITHIN 3 FT OF THE MIXING VALVE. PROVIDE MANUAL BALANCING VALVE SET TO 0.5 GPM ON HWC140 BRANCH. EXTEND TW PIPING FROM MIXING VALVE TO BEP-1. DRAIN PIPING FROM BEP SHALL BE ROUTED TO MOP BASIN AND TERMINATE 6" ABOVE RIM. ROUTE TW FROM BEP TO HBI-1 FOR FUTURE CONNECTION TO CHEMICAL MIXING STATION (PROVIDED BY OTHERS). MV-3, BEP-1 AND HBI-1 SHALL ALL BE LOCATED ON THE WALL ADJACENT TO THE MOP BASIN IN AN ACCESSIBLE LOCATION (5'-0" AFF MAX). COORDINATE EXACT LOCATION WITH FUTURE CHEMICAL MIXING STATION.



1

ENLARGED PLUMBING PLAN - FOOD PREP/SERVERY - SAN/VENT

1/4" = 1'-0"



2

ENLARGED PLUMBING PLAN - FOOD PREP/SERVERY - DOMESTIC

1/4" = 1'-0"

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 1100 WARRENVILLE ROAD, SUITE 400W
 NAPERVILLE, ILLINOIS 60563
 630.527.2320 FAX: 630.527.2321
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 PROJECT # 14-043-00
 Block Design Firm Registration #18-08073

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REFERENCE SCALE IN INCHES
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JOLIET JUNIOR COLLEGE
ROMEONVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEONVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ENLARGED PLANS - PLUMBING

SHEET NUMBER:

P3.02

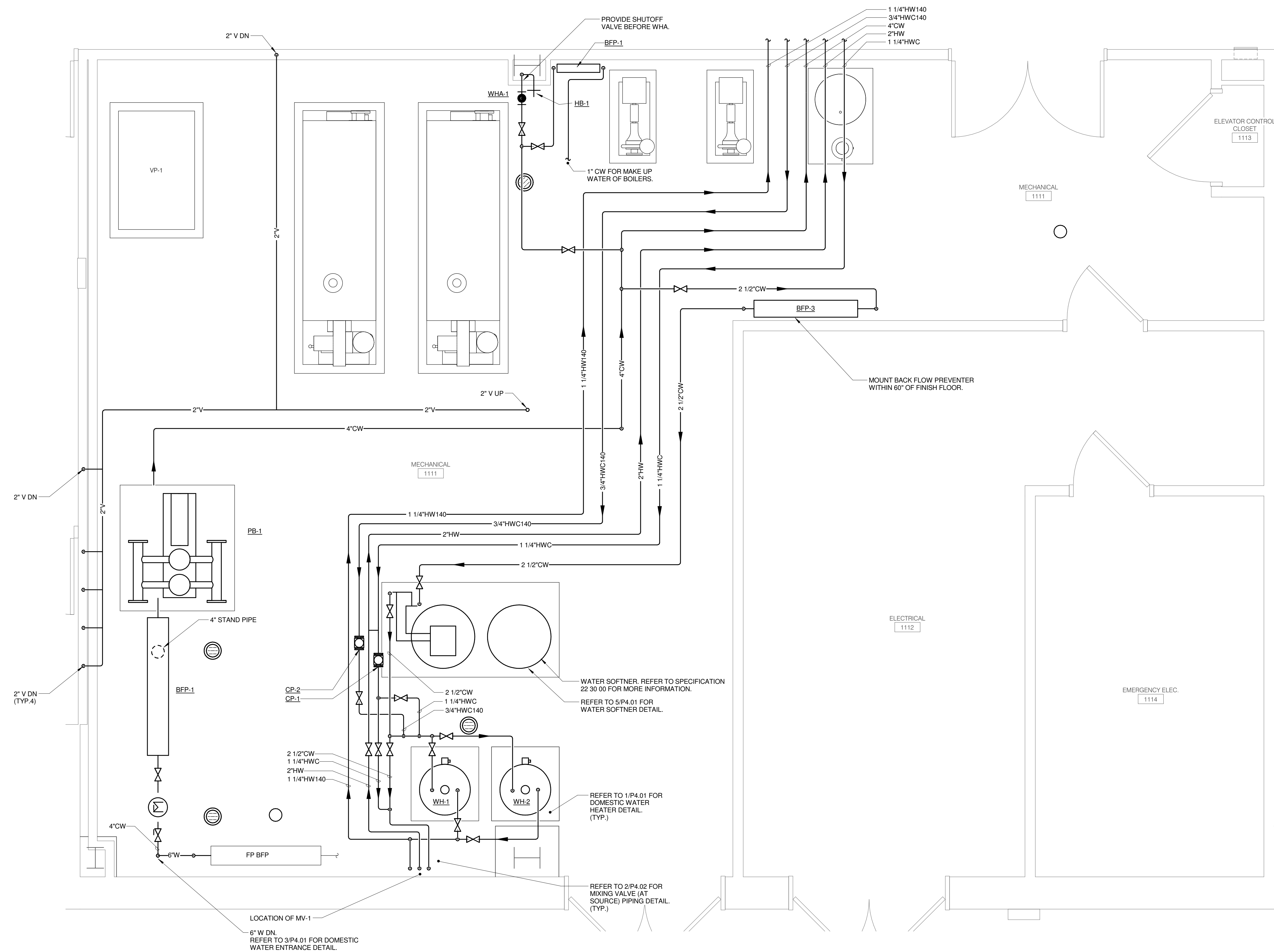


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 CHICAGO, IL 60661
 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
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 NAPERVILLE, IL 60563
 P: 630.527.2320

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 DES PLAINES, IL 60018
 P: 847.298.0088

**JOLIET JUNIOR COLLEGE
 ROMEVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEVILLE, IL 60446
 DKA PROJECT NO: 14-005



1 ENLARGED PLUMBING PLAN - MECHANICAL ROOM
 1/2" = 1'-0"

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 NAPERVILLE, ILLINOIS 60563
 630.527.2320 FAX: 630.527.2321
 WWW.KJWW.COM
 PROJECT # 14-005-00
 DESIGN FIRM REGISTRATION #14-005-0073

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SHEET TITLE:
ENLARGED PLANS - PLUMBING

SHEET NUMBER:
P3.03



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JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

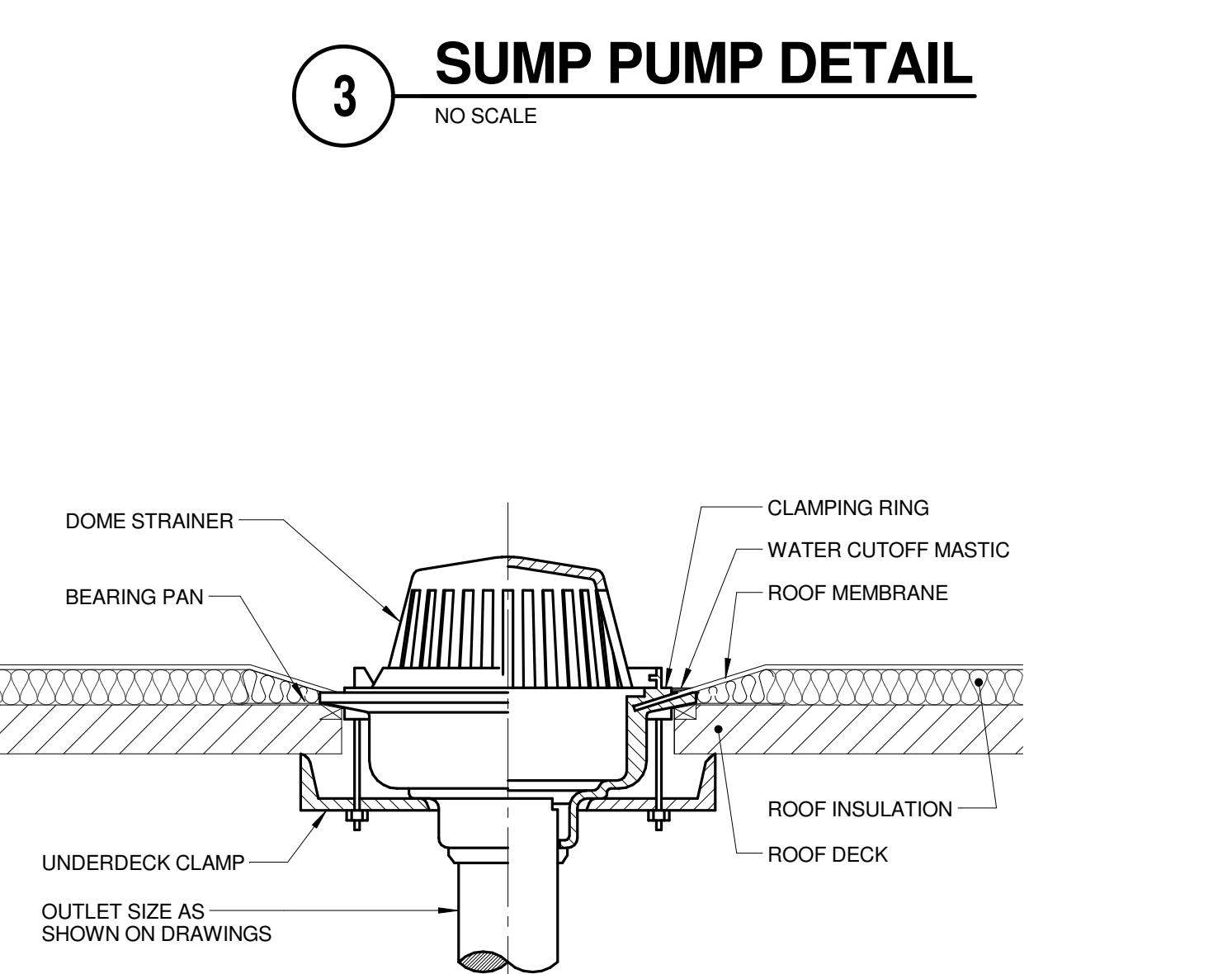
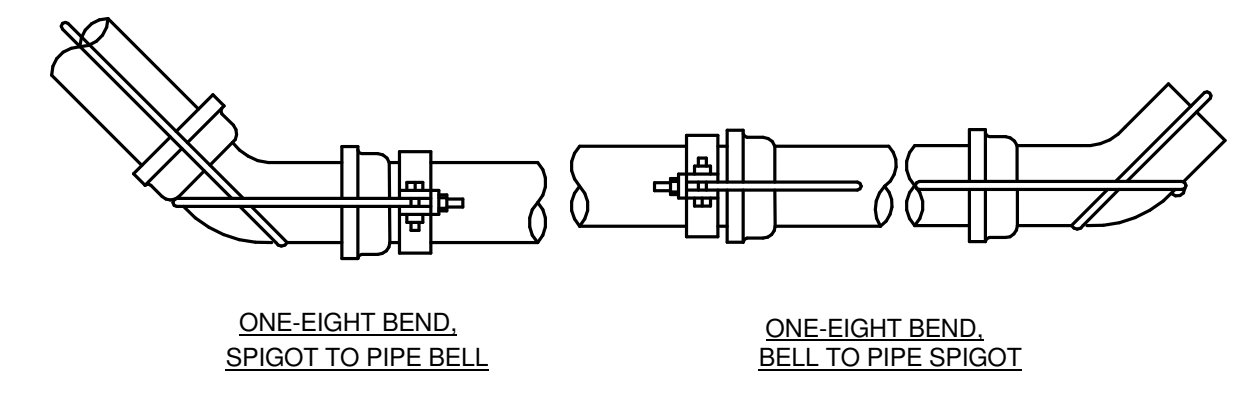
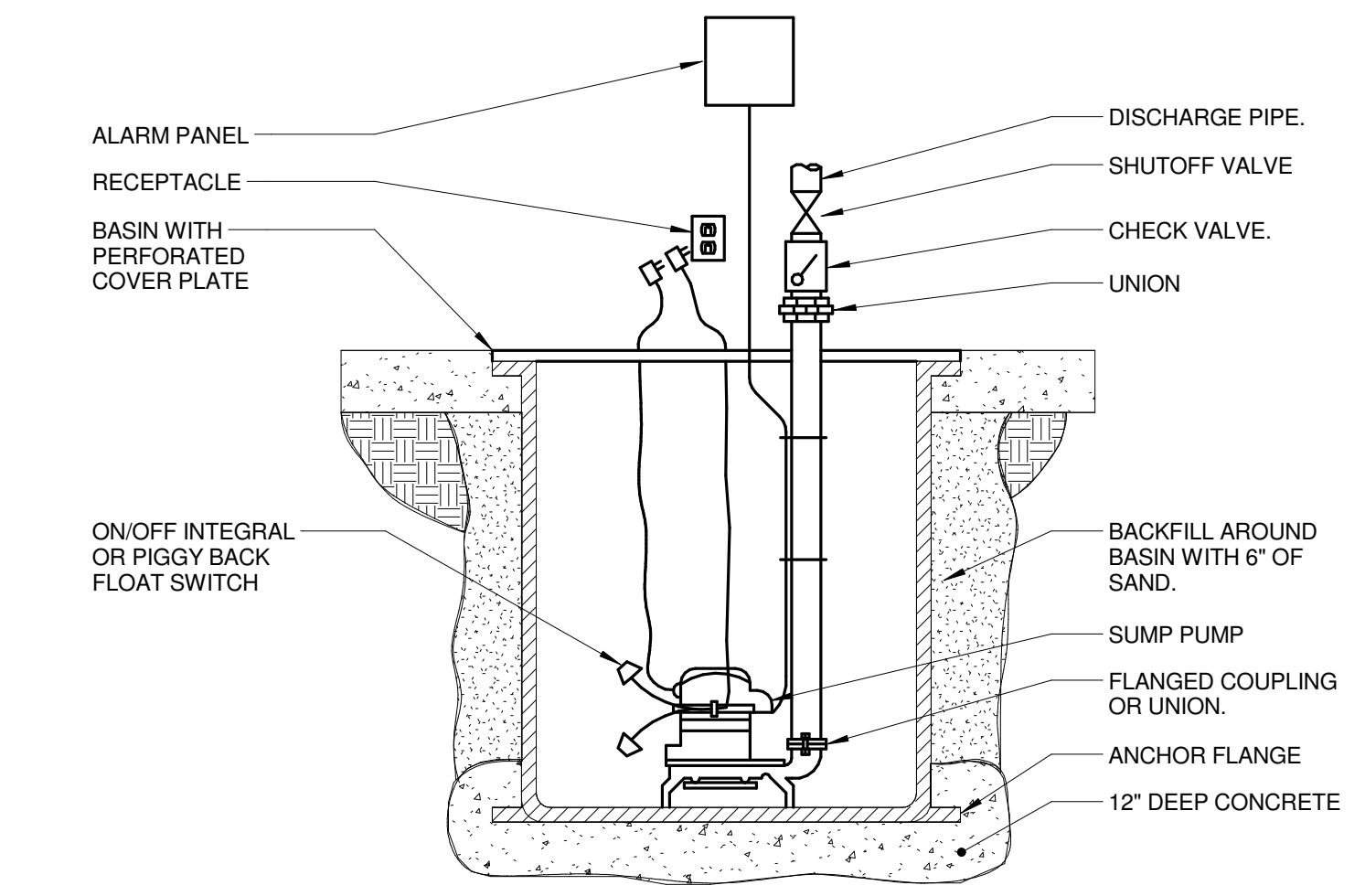
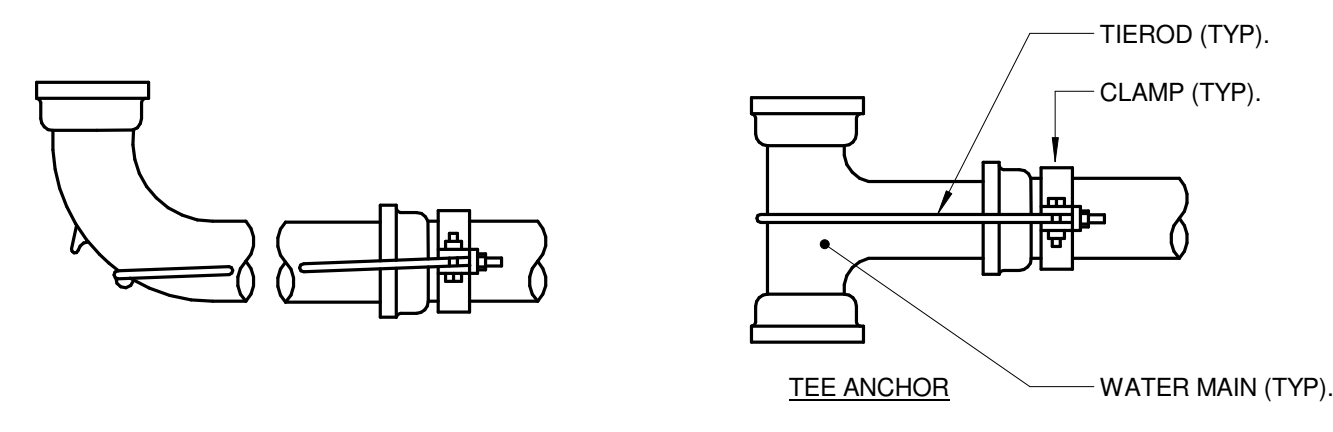
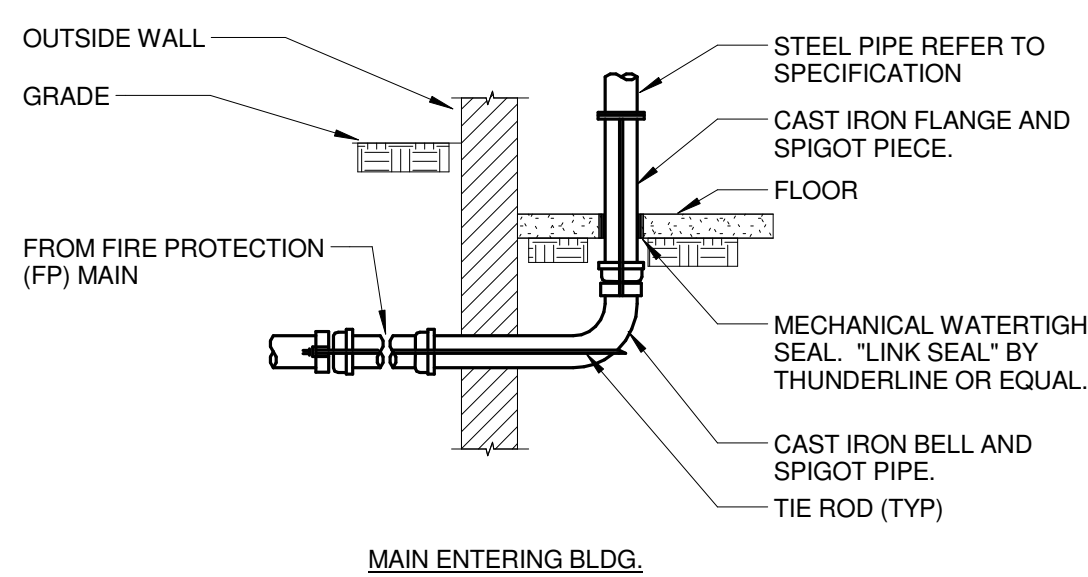
NO.	DESCRIPTION:	DATE:

SHEET TITLE:

PLUMBING DETAILS

SHEET NUMBER:

P4.00



ROD AND CLAMP ANCHORAGE

PIPING NOMINAL SIZE (IN.)	CLAMP SIZE (IN.)	BOLT SIZE (IN.)	WASHER (IN.)	NUMBER OF RODS AND ROD SIZE (IN.) FOR ROD AND CLAMP ANCHORAGE							
				MECHANICAL JOINT				PUSH ON JOINT			
				CAST IRON	STEEL	90° 1/4 BEND	45° 1/8 BEND	TEE, HYDRANT CAP, PLUG	90° 1/4 BEND	45° 1/8 BEND	TEE, HYDRANT CAP, PLUG
4	1 1/2	5/8	5/8x3	2	2	2	2	2	2	2	2
6	2	1	1x3	2	2	2	2	2	2	2	2

THRUST BLOCKS

PIPING NOMINAL SIZE (IN.)	MIN. SQ. FT. AREA OF BEARING FACE OF CONCRETE THRUST BLOCKS		
	CAST IRON AND DUCTILE IRON	TEES, PLUGS, CAPS, HYDRANTS	
4	3	2	3
6	7	4	5

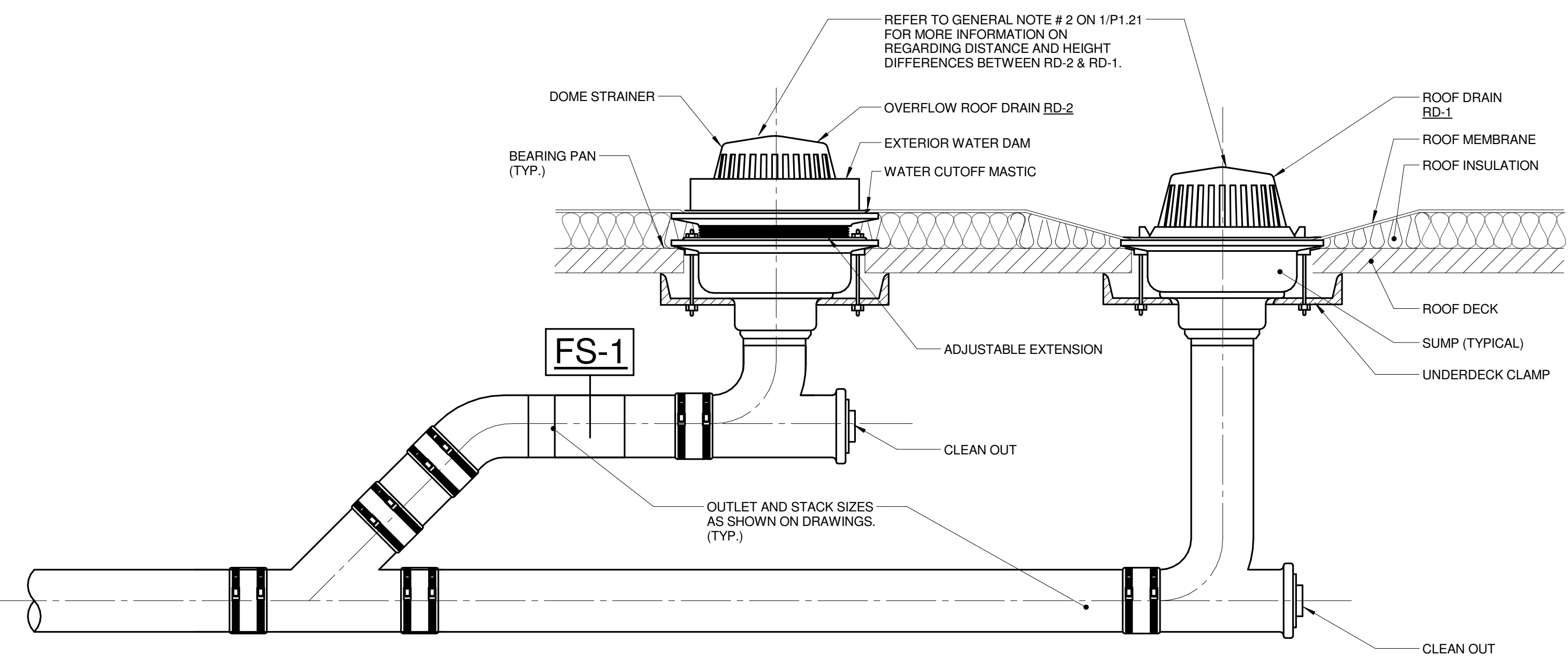
NOTES:
 1. AFTER INSTALLATION, PROTECT THE RODS, BOLTS, NUTS, WASHERS AND CLAMPS AGAINST CORROSION WITH A HEAVY COAT OF ASPHALT MATERIAL.
 2. THE LENGTH OF THE ROD REQUIRED WILL VARY WITH THE PIPE FITTING, AND MUST BE DETERMINED BY FIELD MEASUREMENT. IF THE DISTANCE BETWEEN THE JOINTS IS LESS THAN 12 FEET, EXTEND THE ANCHORAGE TO THE SECOND BELL.

NOTES:
 BASIS: 2,000 LB./SQ. FT. SOIL RESISTANCE, 250 PSI WATER PRESSURE
 CORRECTION FACTORS FOR OTHER SOILS:
 SOFT CLAY.....0.4
 SAND.....0.2
 SAND&GRAVEL.....1.33
 SHALE.....0.4

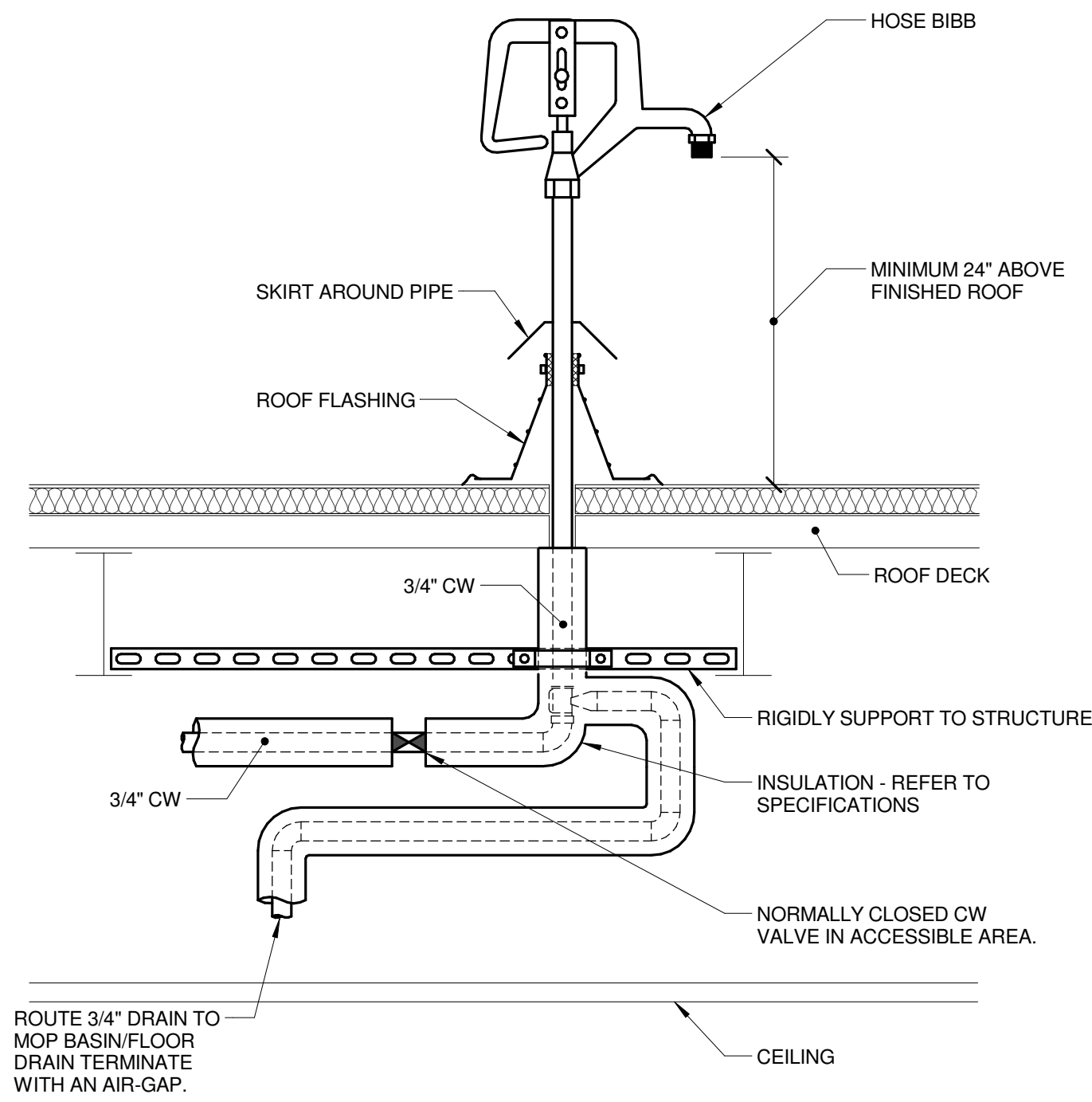
1 UNDERGROUND WATER MAIN ANCHORING DETAIL
 NO SCALE
NOTES:
 1. BOTH THRUST BLOCKING AND ANCHOR RODS ARE REQUIRED.
 2. REFER TO THE GOVERNING CODE AND NFPA 24 FOR ADDITIONAL REQUIREMENTS.

4 PIPE UNDER FOOTING DETAIL
 NO SCALE
NOTES:
 1. STEP FOOTING DOWN AS REQUIRED TO MAINTAIN 8\"/>

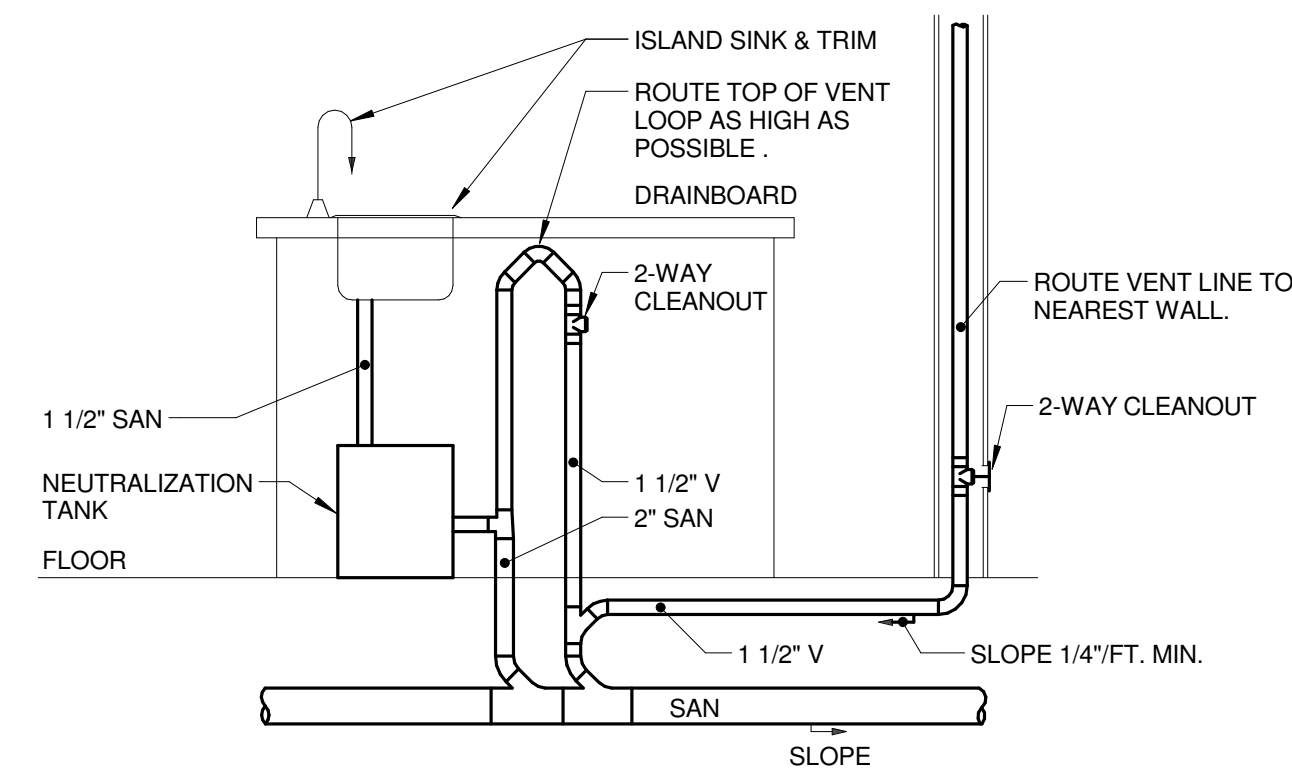
5 ROOF DRAIN DETAIL
 NO SCALE



6 ROOF DRAIN DETAIL (WITH SECONDARY)
 NO SCALE



7 ROOF HOSE BIBB DETAIL
 NO SCALE



8 ISLAND SINK VENT DETAIL
 NO SCALE

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 Block Design Firm Registration #18-08073
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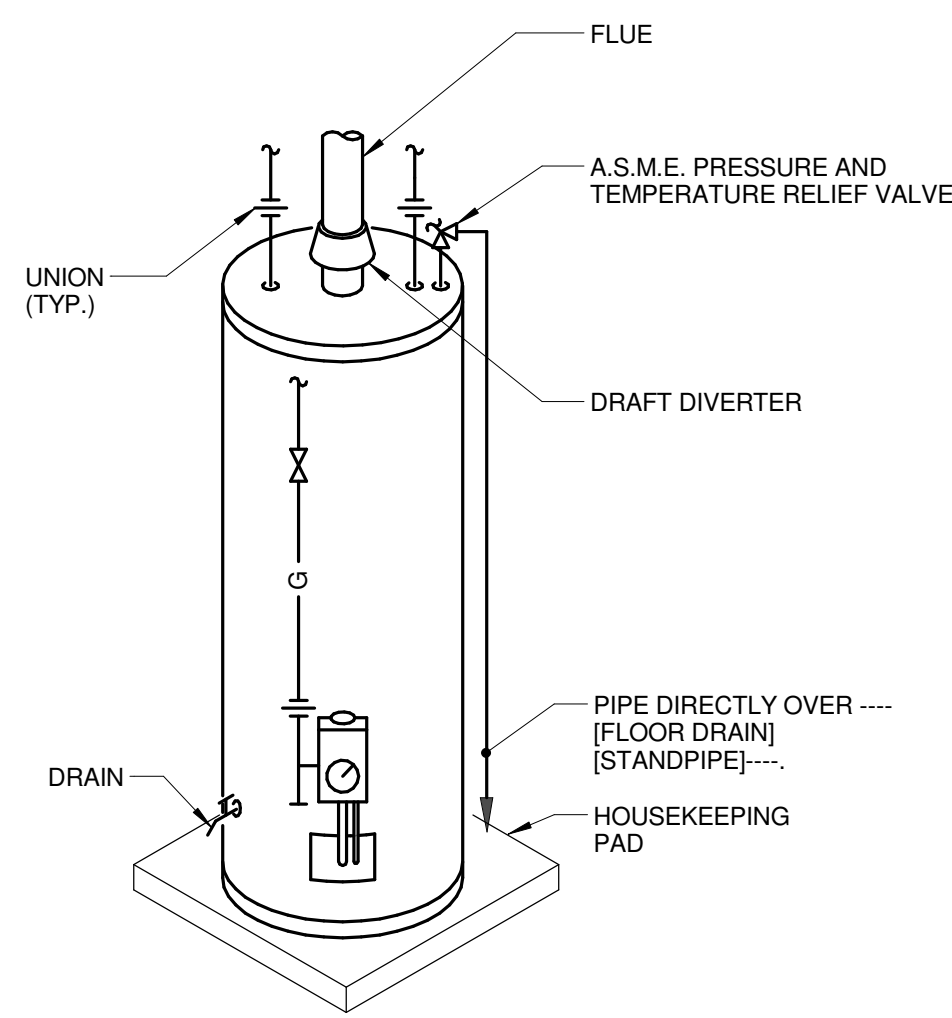


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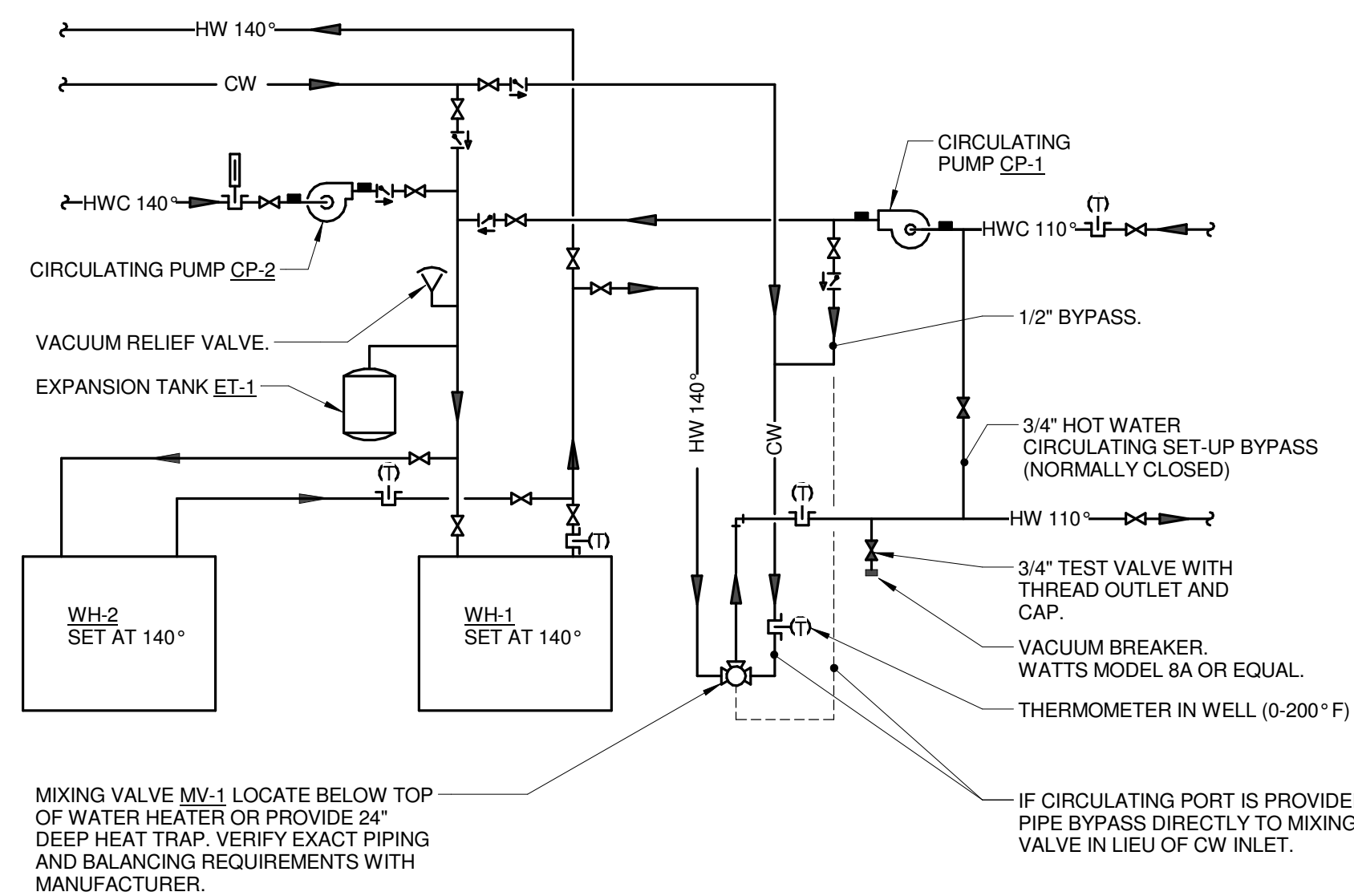
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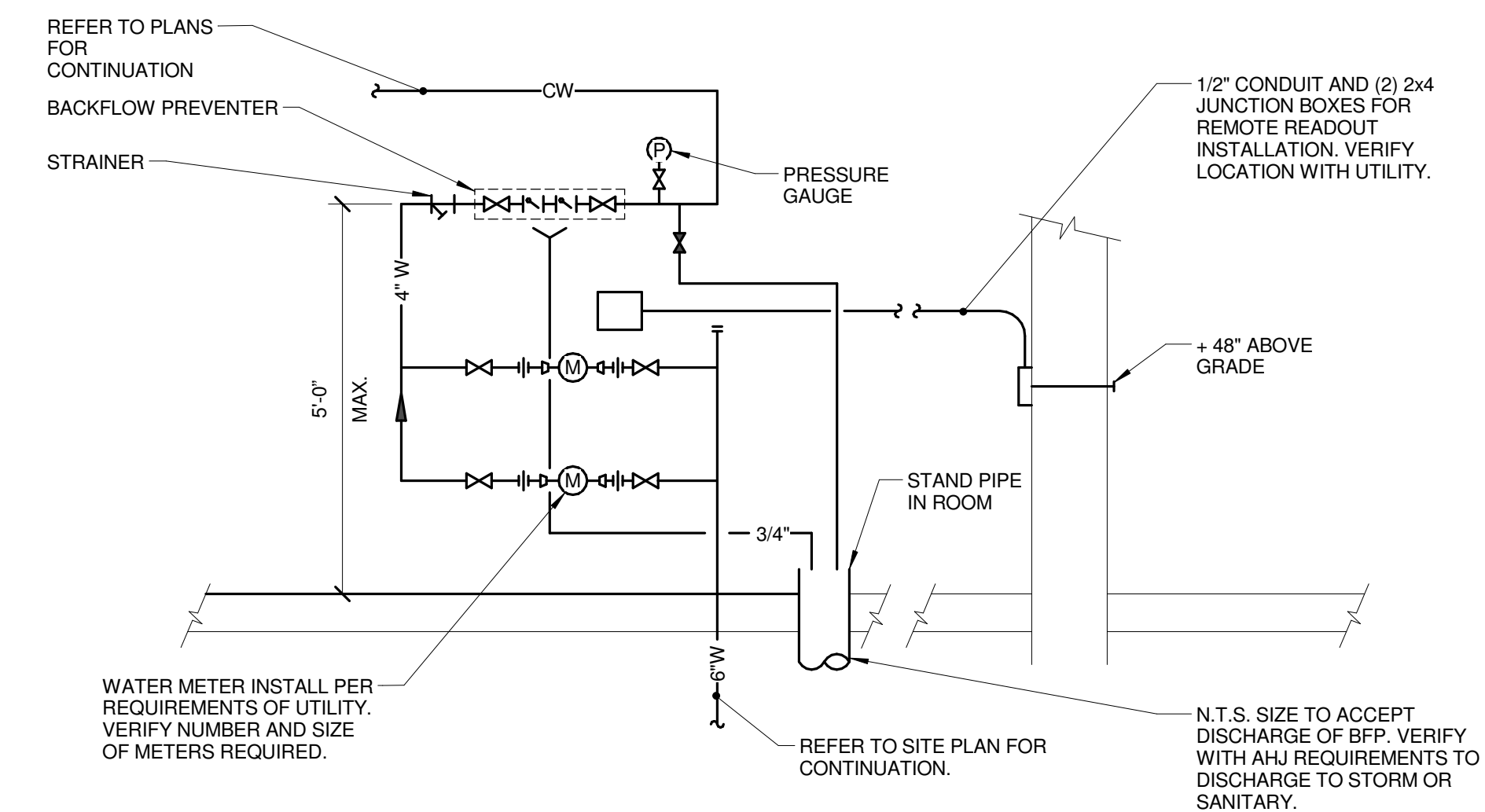
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ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005



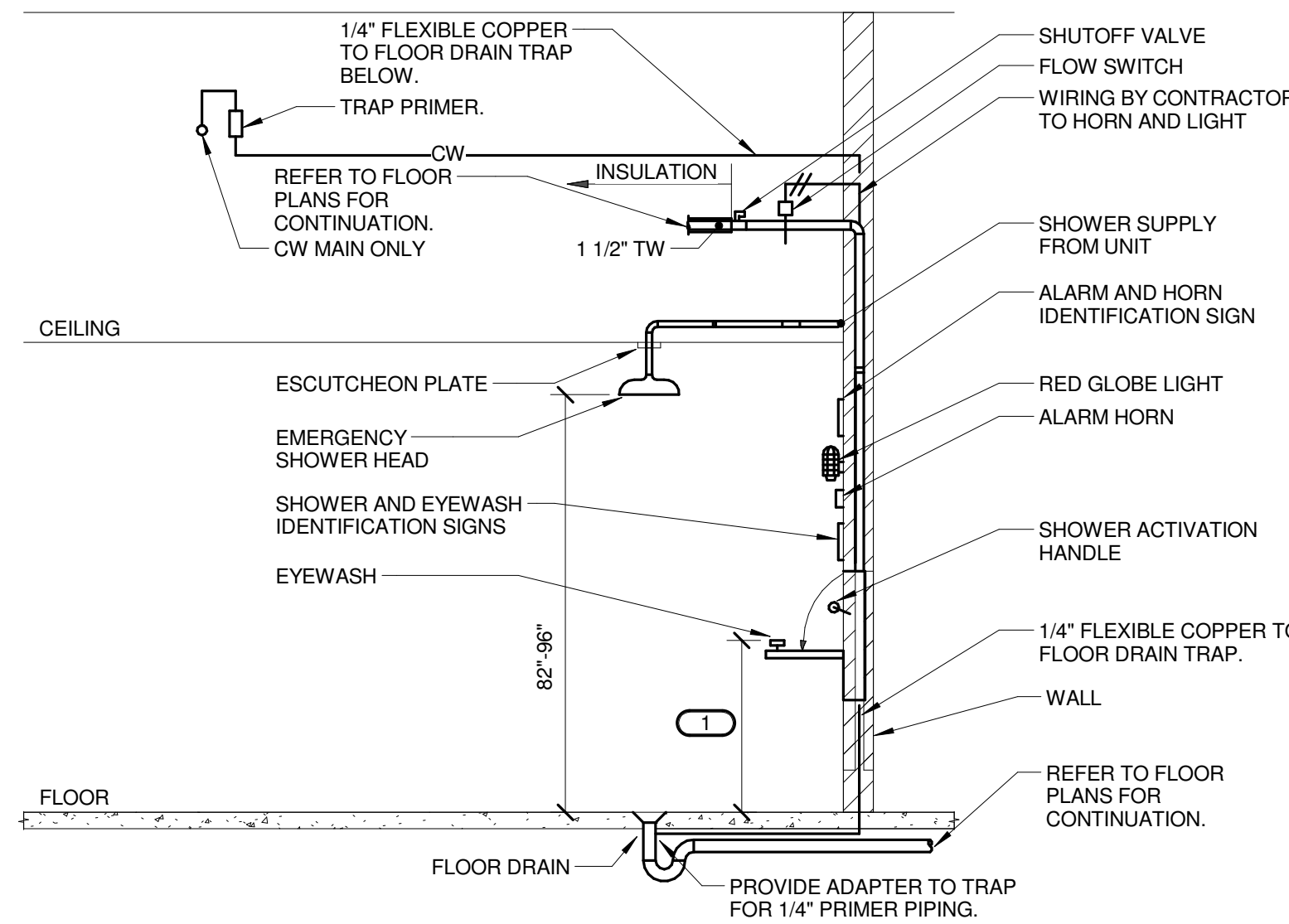
1 WATER HEATER (GAS) DETAIL
 NO SCALE



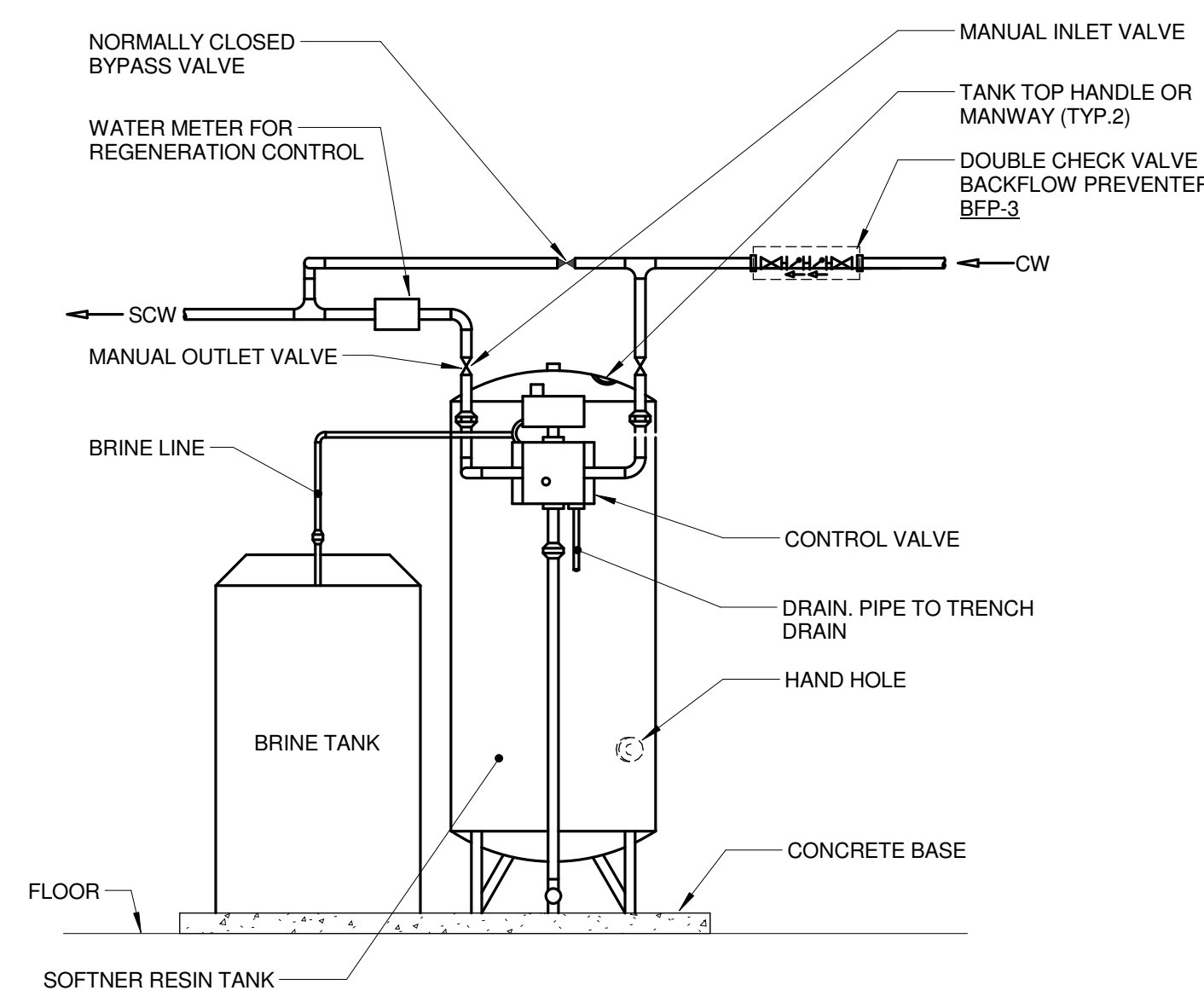
2 MIXING VALVE(AT SOURCE) PIPING DETAIL
 NO SCALE



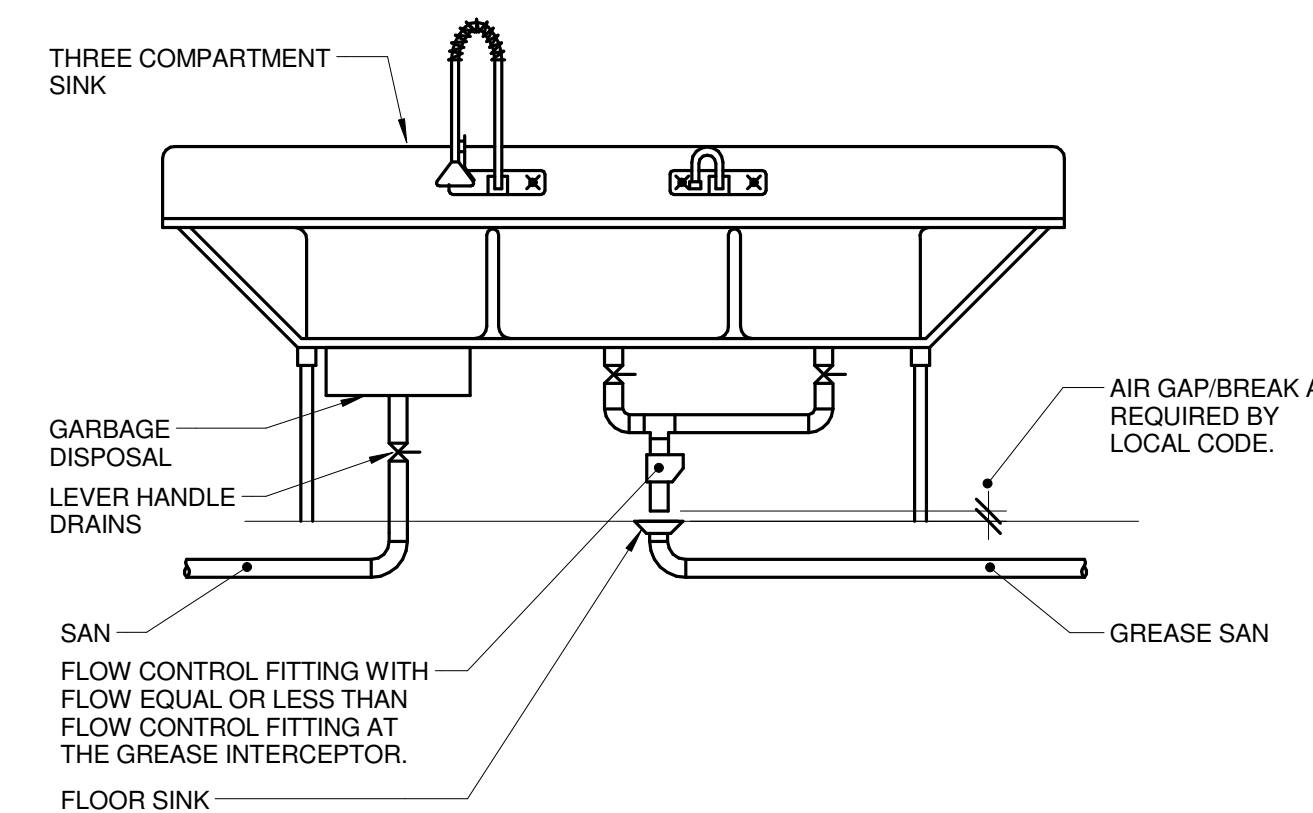
3 DOMESTIC WATER ENTRANCE
 NO SCALE



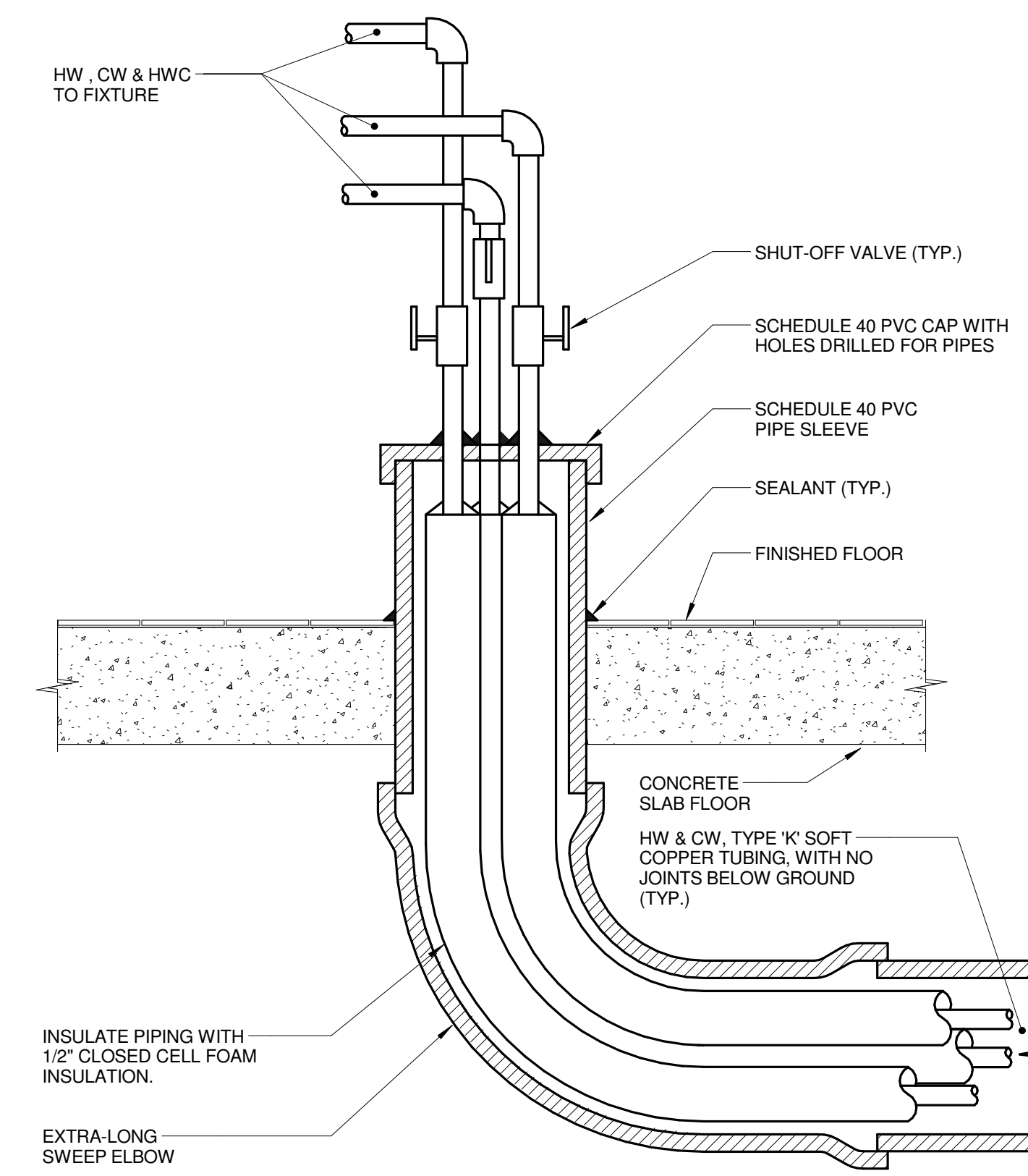
4 EMERGENCY SHOWER & EYEWASH DETAIL
 NO SCALE
 NOTES:
 1. MOUNT SHOWER HEAD, SHOWER ACTIVATION HANDLE, AND EYE/FACEWASH OUTLET HEADS IN COMPLIANCE WITH LATEST A.D.A AND ANSI 117.1 STANDARDS.



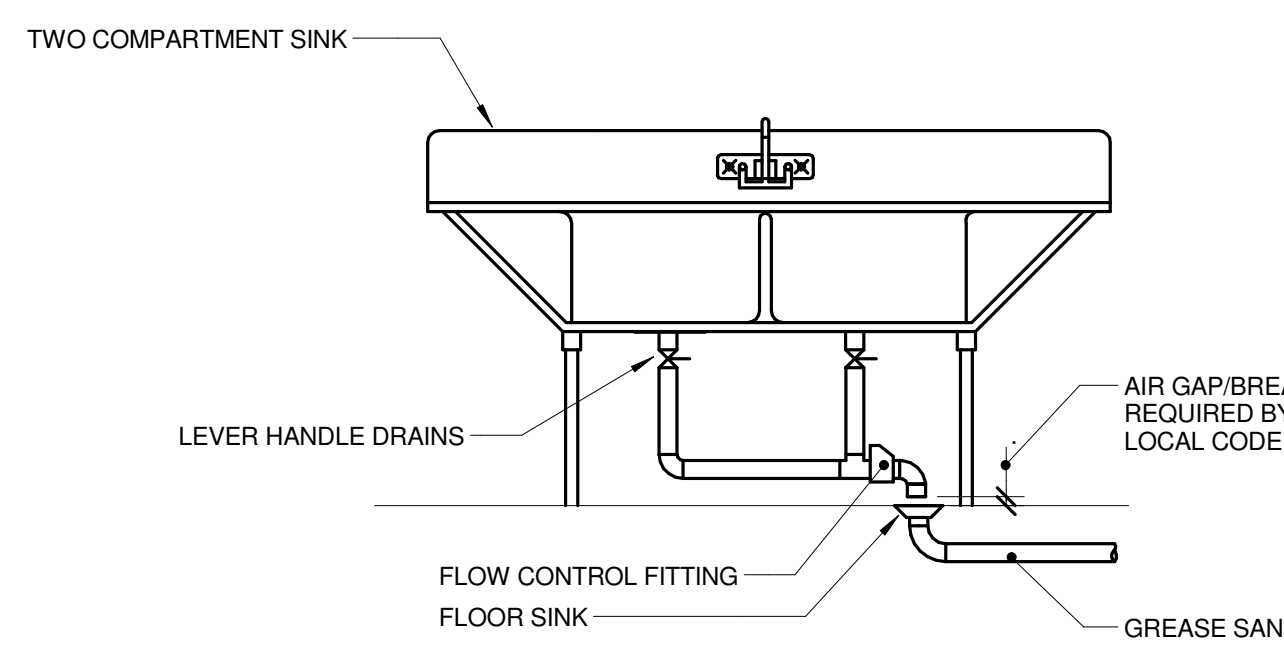
5 WATER SOFTENER DETAIL
 NO SCALE



6 THREE COMPARTMENT SINK DETAIL
 NO SCALE



7 UNDERGROUND TUBING TO ISLAND FIXTURES
 NO SCALE



8 TWO COMPARTMENT SINK DETAIL
 NO SCALE

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KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
PLUMBING DETAILS

SHEET NUMBER:

P4.01

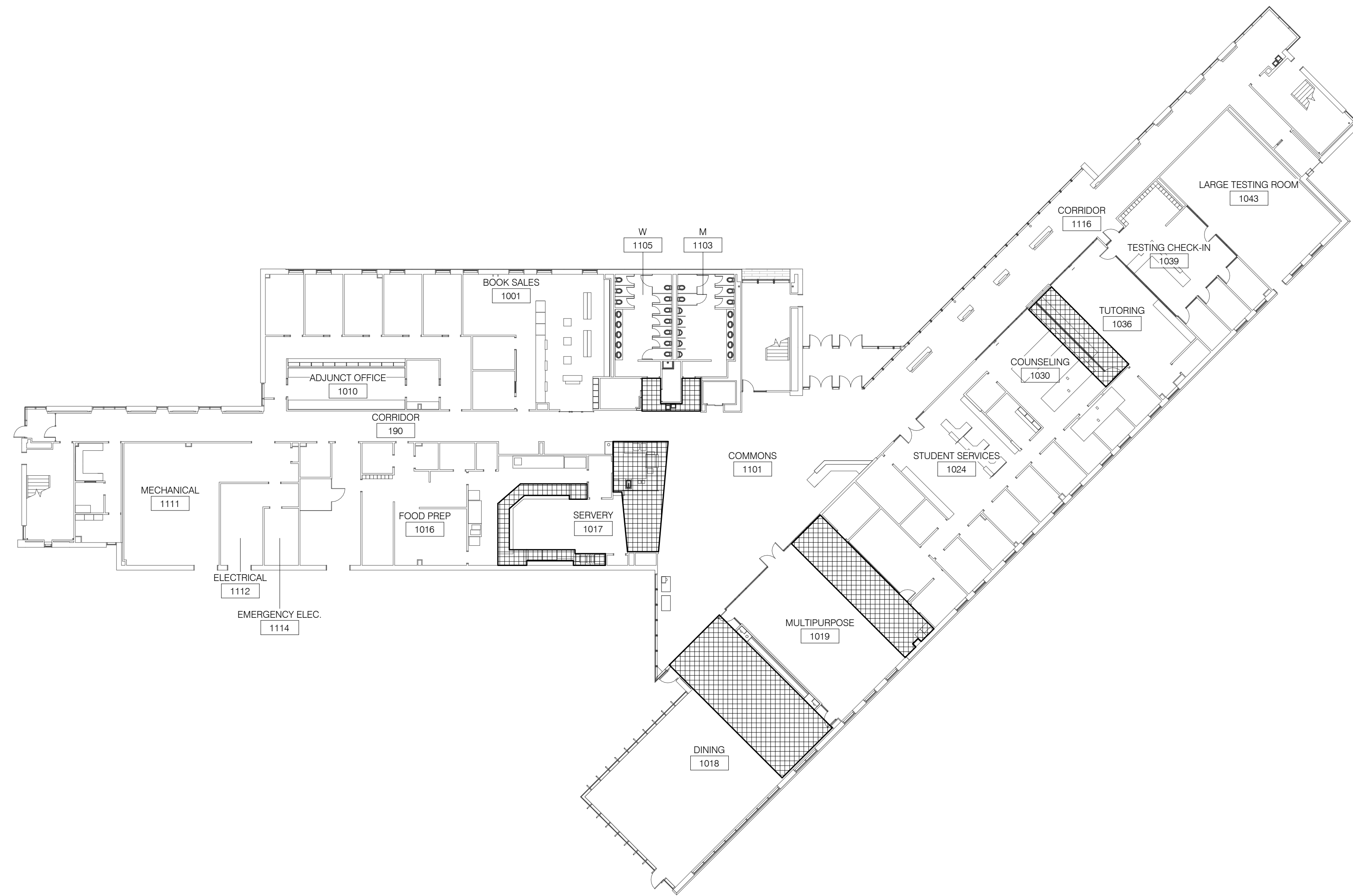


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JOLIET JUNIOR COLLEGE
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 DKA PROJECT NO: 14-005

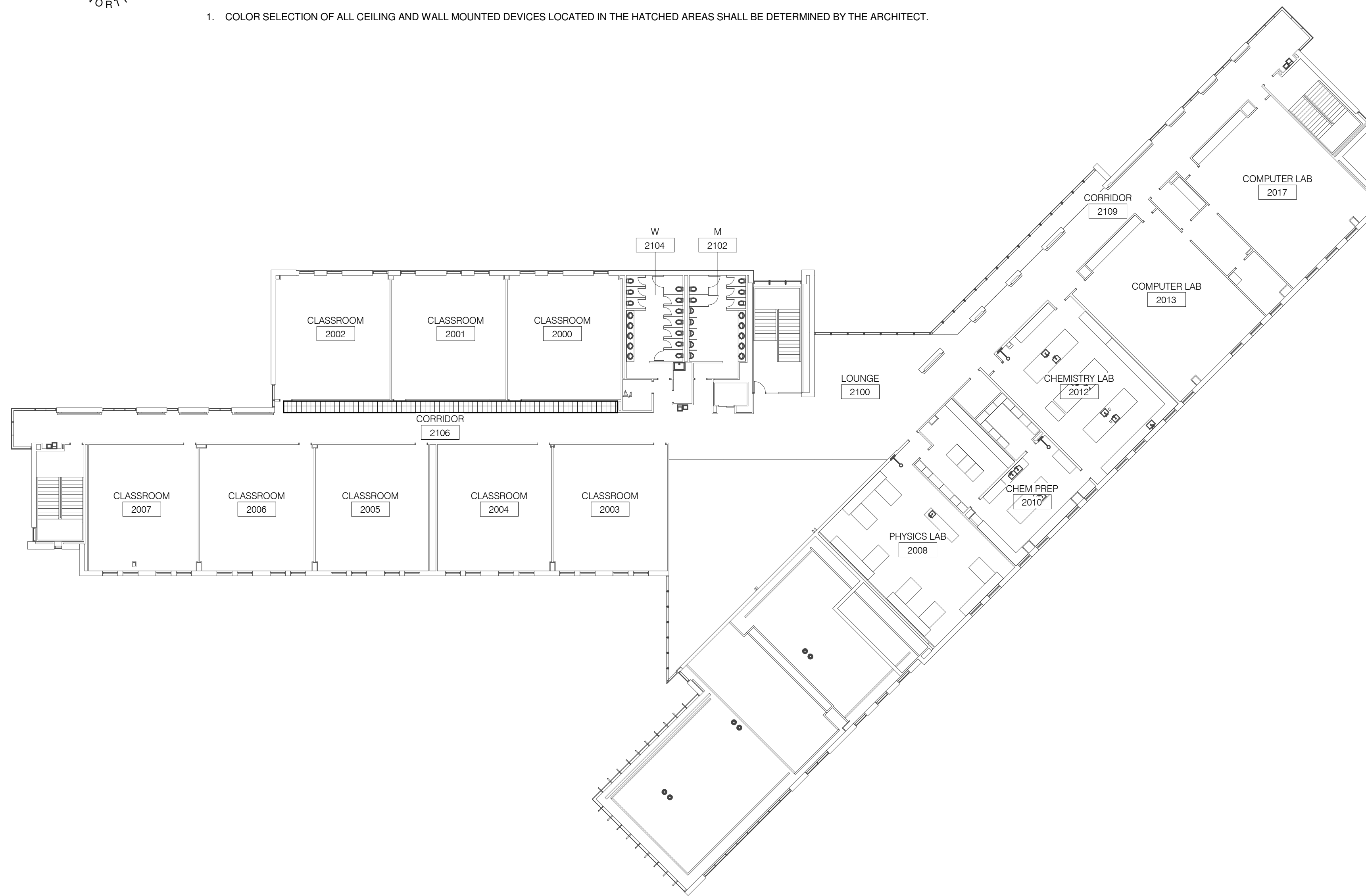


1 LEVEL 1 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

1" = 20'-0"

NOTES:

- COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.



2 LEVEL 2 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

1" = 20'-0"

NOTES:

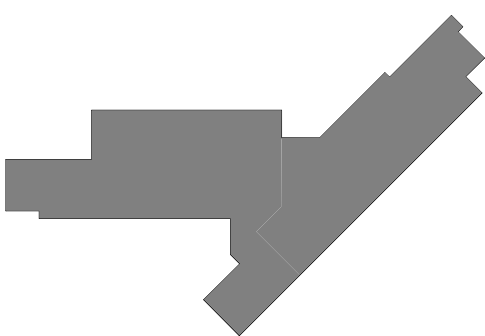
- COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.

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KEY PLAN:



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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
PLUMBING DETAILS

SHEET NUMBER:

P4.02

PLUMBING MATERIAL LIST

Table with multiple rows detailing plumbing materials, including descriptions, manufacturer lists, and electrical requirements.

PLUMBING MATERIAL LIST (CONTINUED)

Table with multiple rows detailing plumbing materials, including descriptions, manufacturer lists, and electrical requirements.

PLUMBING MATERIAL LIST (CONTINUED)

Table with multiple rows detailing plumbing materials, including descriptions, manufacturer lists, and electrical requirements.

PLUMBING MATERIAL LIST (CONTINUED)

Table with multiple rows detailing plumbing materials, including descriptions, manufacturer lists, and electrical requirements.

PRESSURE BOOSTER SYSTEM SCHEDULE

Table with columns for SYMBOL, SERVICE, TYPE, INITIAL PRESSURE, FINAL PRESSURE, GPM, MINIMUM HYDRO-PNEUMATIC TANK SIZE, HP, RPM, VOLT-PHASE, DISCONNECT, CONTROLLER/STARTER, MANUFACTURER, MODEL, and REMARKS.

NOTES: 1. PROVIDE SHAFT GROUNDINGS AS REQUIRED IN THE MOTOR SPECIFICATION 22 30 00. 2. PROVIDE WITH A SINGLE POINT POWER CONNECTION. 3. TANK BASIS OF DESIGN: GOULDS PUMPS (MANUFACTURER) & VT200 (MODEL). 4. PROVIDE SEPARATE PRESSURE SWITCHES FOR THE HIGH PRESSURE CUT OFF AND NO FLOW CUT OFF SAFETIES. EACH DEVICE SHALL BE WIRED SEPARATELY TO THE BOOSTER PUMP CONTROL. THE USE OF A SINGLE DEVICE FOR VISUAL SYSTEM PRESSURE CONTROL AND MULTIPLE SAFETIES IS NOT ACCEPTABLE. 5. REFER TO 66-M101 FOR CONTROL DIAGRAM.



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JOLIET JUNIOR COLLEGE ROMEOVILLE CAMPUS EXPANSION 1125 135th ST. ROMEOVILLE, IL 60446 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15 ISSUED FOR CONSTRUCTION

Table with columns for NO., DESCRIPTION, and DATE.

SHEET TITLE: PLUMBING MATERIAL LIST

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SHEET NUMBER: P5.00



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ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

CONTACT PERSONS:

DESCRIPTION:	PERSON:
PROJECT MANAGER	BRANDON FORTIER
MECHANICAL ENGINEER	BLAIR HAWN

FIRE HYDRANT FLOW TEST DATA

TEST DATE:	JUNE 11, 2015 (2:35 PM)
PORT SIZE:	4.5"
STATIC PRESSURE:	55 PSI
RESIDUAL PRESSURE:	53 PSI
FLOW PRESSURE:	32 PSI
TOTAL FLOW:	2563 GPM

GENERAL FIRE PROTECTION NOTES:

- DRAWINGS SHOWING LOCATIONS OF EQUIPMENT, PIPING, ETC. ARE DIAGRAMMATIC AND MAY NOT ALWAYS REFLECT EXACT INSTALLATION CONDITIONS. DRAWINGS SHOW THE GENERAL ARRANGEMENT OF PIPING, EQUIPMENT, ETC. AND MAY NOT INCLUDE ALL OFFSETS AND FITTINGS REQUIRED FOR COMPLETE INSTALLATION. THE DRAWINGS SHALL BE FOLLOWED AS CLOSELY AS ACTUAL BUILDING CONSTRUCTION AND THE WORK OF OTHERS WILL PERMIT. DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS AND CLEARANCES FROM ARCHITECTURAL, STRUCTURAL, SUBMITTALS, AND OTHER APPROPRIATE DRAWINGS OR PHYSICALLY AT SITE. REVIEW ALL DRAWINGS, INCLUDING THOSE OF OTHER TRADES.
- COORDINATE ALL WORK WITH ALL OTHER TRADES PRIOR TO INSTALLATION TO PROVIDE CLEARANCES REQUIRED FOR OPERATION, MAINTENANCE, CODE COMPLIANCE, AND TO VERIFY NON-INTERFERENCE WITH OTHER WORK. DO NOT FABRICATE PRIOR TO VERIFICATION OF NECESSARY CLEARANCES FOR ALL TRADES. BRING ANY INTERFERENCES OR CONFLICTS TO THE ATTENTION OF THE ARCHITECT/ENGINEER BEFORE PROCEEDING WITH FABRICATION OR EQUIPMENT ORDERS.
- REVIEW SPACE REQUIREMENTS OF EQUIPMENT SPECIFIED OR SUBSTITUTED AND MAKE REASONABLE ACCOMMODATIONS IN LAYOUT AND POSITIONING TO PROVIDE PROPER ACCESS. ANY CHANGES REQUIRED TO ELIMINATE CONFLICTS OR THAT RESULT FROM A FAILURE TO COORDINATE SHALL BE MADE BY THE CONTRACTOR WITHOUT ADDITIONAL COST OR EXPENSE TO OTHERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH ELECTRICAL CHANGES REQUIRED FOR EQUIPMENT PROPOSED THAT DIFFERS FROM THE BASIS OF DESIGN. REFER TO ARCHITECTURAL, REFLECTED CEILING PLAN, ELECTRICAL, TECHNOLOGY AUDIOVISUAL, AND OTHER MECHANICAL PLANS FOR EXACT LOCATIONS OF ALL CEILING MOUNTED DEVICES, OTHER THAN SPRINKLERS.
- EACH CONTRACTOR IS RESPONSIBLE FOR DAMAGE CAUSED BY THEIR ACTIONS TO WALLS, FLOORS, CEILINGS, AND ROOFS. THE CONTRACTOR WHOSE WORK CAUSES DAMAGE IS RESPONSIBLE FOR PATCHING TO MATCH ORIGINAL CONSTRUCTION, FIRE RATING, AND FINISH.
- IN AREAS WITH DRYWALL CEILINGS COORDINATE LOCATIONS OF ACCESS PANELS WITH THE GC FOR ACCESS TO VALVES, ETC. COORDINATE PANEL TYPE AND COLOR WITH ARCHITECT. NOTIFY THE GC OF THE REQUIRED ACCESS PANELS PRIOR TO BIDDING.
- SEAL ALL FLOOR AND WALL PENETRATIONS AIRTIGHT WHERE PIPING PENETRATE. PENETRATIONS THROUGH EXTERIOR WALLS AND ROOF SHALL BE SEALED AIRTIGHT WITH WATERPROOFING MATERIALS RECOMMENDED BY MANUFACTURER FOR OUTDOOR USE.
- CAULK ALL PIPE PENETRATIONS OF FULL HEIGHT NON-FIRE RATED WALL, PARTITION, FLOOR, AND ROOF ASSEMBLIES. THIS IS ESSENTIAL TO PREVENT NOISE TRANSMISSION FROM ONE ROOM TO ANOTHER AND TO PROVIDE THE DESIRED NC LEVELS WITHIN ROOMS.
- WHERE PIPES ARE SHOWN TO PENETRATE FLOORS, PROVIDE SLEEVED OPENINGS WITH THE TOP EDGE RAISED ABOVE FLOOR SURFACE IN ACCORDANCE WITH ALL RELEVANT SPEC SECTIONS. SEAL SLEEVE PERIMETER TO BE WATERTIGHT.
- EQUIPMENT SIZES AND SERVICE CLEARANCE REQUIREMENTS VARY BETWEEN DIFFERENT MANUFACTURERS. CONSULT APPROVED SHOP DRAWINGS FOR EQUIPMENT SIZES AND REQUIRED SERVICE CLEARANCES. COORDINATE WITH LAYOUT OF EQUIPMENT PADS, PIPING, DUCTWORK, ETC.
- DO NOT BLOCK EQUIPMENT SERVICE CLEARANCES.
- MAINTAIN MINIMUM 3'-6" CLEARANCE IN FRONT OF ALL ELECTRICAL PANELS, MOTOR STARTERS, SWITCHES, AND DISCONNECTS.
- PROVIDE CONCRETE EQUIPMENT PAD FOR ALL FLOOR MOUNTED EQUIPMENT. PAD SHALL EXTEND MINIMUM 6" BEYOND ALL SIDES OF EQUIPMENT.
- DO NOT SUPPORT EQUIPMENT OR PIPING FROM METAL DECKING OR OTHER NON-STRUCTURAL BUILDING ELEMENTS. ANCHORS EMBEDDED IN CONCRETE SHALL BE CRACKED CONCRETE APPROVED IN ACCORDANCE WITH SPECIFICATIONS.

FIRE PROTECTION SYMBOL LIST

SYMBOL:	DESCRIPTION:
	DRAIN
	FIRE PROTECTION
	SERVICE WATER - POTABLE
	PIPE CAP
	PIPE DOWN
	PIPE UP OR UP/DOWN
	DIRECTION OF FLOW IN PIPE
	UNION / FLANGE
	SHUTOFF VALVE NORMALLY OPEN
	SHUTOFF VALVE NORMALLY CLOSED
	AUTOMATIC DRAIN VALVE
	ANGLE VALVE
	BUTTERFLY VALVE WITH MONITOR SWITCH
	CHECK VALVE
	INSPECTOR TEST AND DRAIN VALVE
	OS&Y GATE VALVE WITH MONITOR SWITCH
	FLOW SWITCH
	PRESSURE GAUGE (FURNISHED WITH BALL VALVE)
	NO HATCH
	ORDINARY GROUP 1
	ORDINARY GROUP 2
	SPRINKLER - WALL MOUNTED
	SPRINKLER - UPRIGHT

FIRE PROTECTION ABBREVIATION KEY

ABBR:	DESCRIPTION:
BFP	BACKFLOW PREVENTER
NC	NEW CONNECTION
TYP	TYPICAL

FIRE BARRIER DESIGNATIONS

THE SYMBOLS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

ALL FLOOR, FLOOR CEILING, AND ROOF CEILING ASSEMBLIES SHALL BE DESIGNATED AS 1 HOUR FIRE BARRIERS, UNLESS NOTED OTHERWISE ON THE PLANS. RATINGS WERE ACQUIRED FROM THE ARCHITECTURAL PLANS DATED 08/12/2015.

1 HOUR FIRE BARRIER	-----
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FIRE PROTECTION SHEET INDEX

FP0.00	FIRE PROTECTION COVER SHEET
FP1.10	LEVEL 1 PLAN - FIRE PROTECTION
FP1.20	LEVEL 2 PLAN - FIRE PROTECTION
FP2.00	FIRE PROTECTION RISER DIAGRAM, DETAILS & MATERIAL LIST
FP2.01	FIRE PROTECTION DETAILS

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SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO:	DESCRIPTION:	DATE:

SHEET TITLE:
FIRE PROTECTION COVER SHEET

SHEET NUMBER:

FP0.00



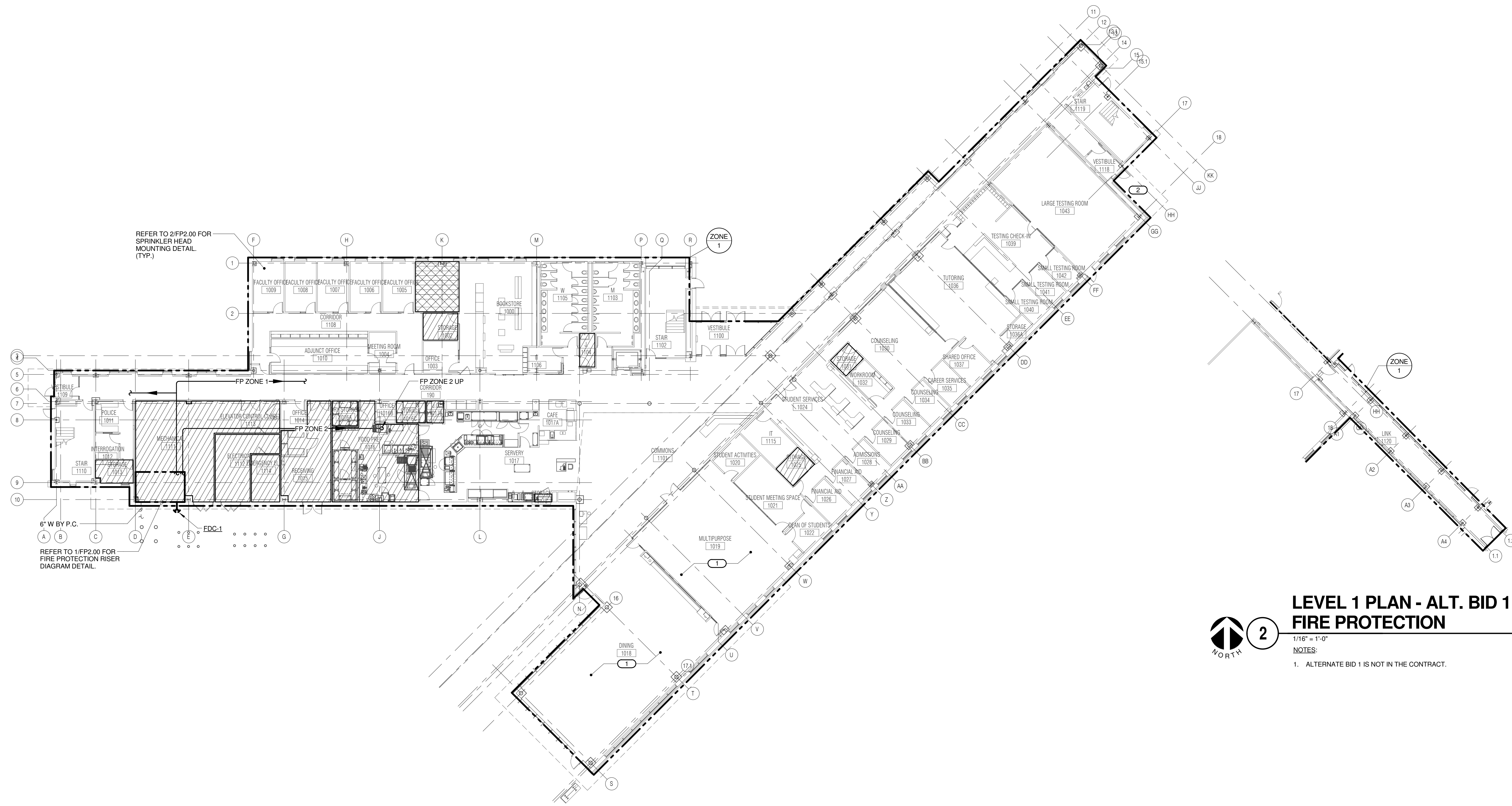
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- GENERAL FIRE PROTECTION NOTES :**
1. FIRE PROTECTION PIPE ROUTING IS SHOWN FOR GENERAL LAYOUT. DETERMINE EXACT NUMBER OF SPRINKLERS, PIPE SIZING, AND PIPE ROUTING.
 2. CENTER SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES CENTERING USING A 2'x2' CEILING PATTERN IS ACCEPTABLE.
 3. SPRINKLERS SHALL BE QUICK RESPONSE TYPE, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOT MIX STANDARD RESPONSE SPRINKLERS WITH QUICK RESPONSE SPRINKLERS IN UNPARTITIONED SPACES.
 4. PROVIDE COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.
 5. SPRINKLERS INSTALLED IN STAIR 1119, STAIR 1102, VESTIBULE 1100, VESTIBULE 1118 AND LOCATED NEAR HEAT SOURCES SHALL BE INSTALLED PER NFPA 13.

- KEYNOTES: (#)**
1. SPRINKLE ABOVE AND BELOW WOOD CEILING AS REQUIRED PER NFPA 13. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWINGS.
 2. REFER TO 2:FP1.10 FOR ALTERNATE BID #1 SCOPE.



LEVEL 1 PLAN - ALT. BID 1 - FIRE PROTECTION

1/16" = 1'-0"
 NOTES:
 1. ALTERNATE BID 1 IS NOT IN THE CONTRACT.

LEVEL 1 PLAN - FIRE PROTECTION
 1/16" = 1'-0"

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 PROJECT # 14-043.00
 DESIGN FIRM REGISTRATION #14-06073

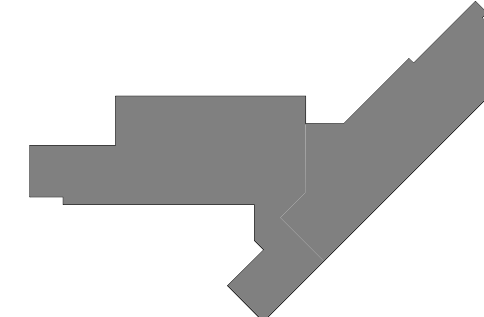
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REFERENCE SCALE IN INCHES
 0 1 2 3

JOLIET JUNIOR COLLEGE
ROMEOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - FIRE PROTECTION

SHEET NUMBER:

FP1.10



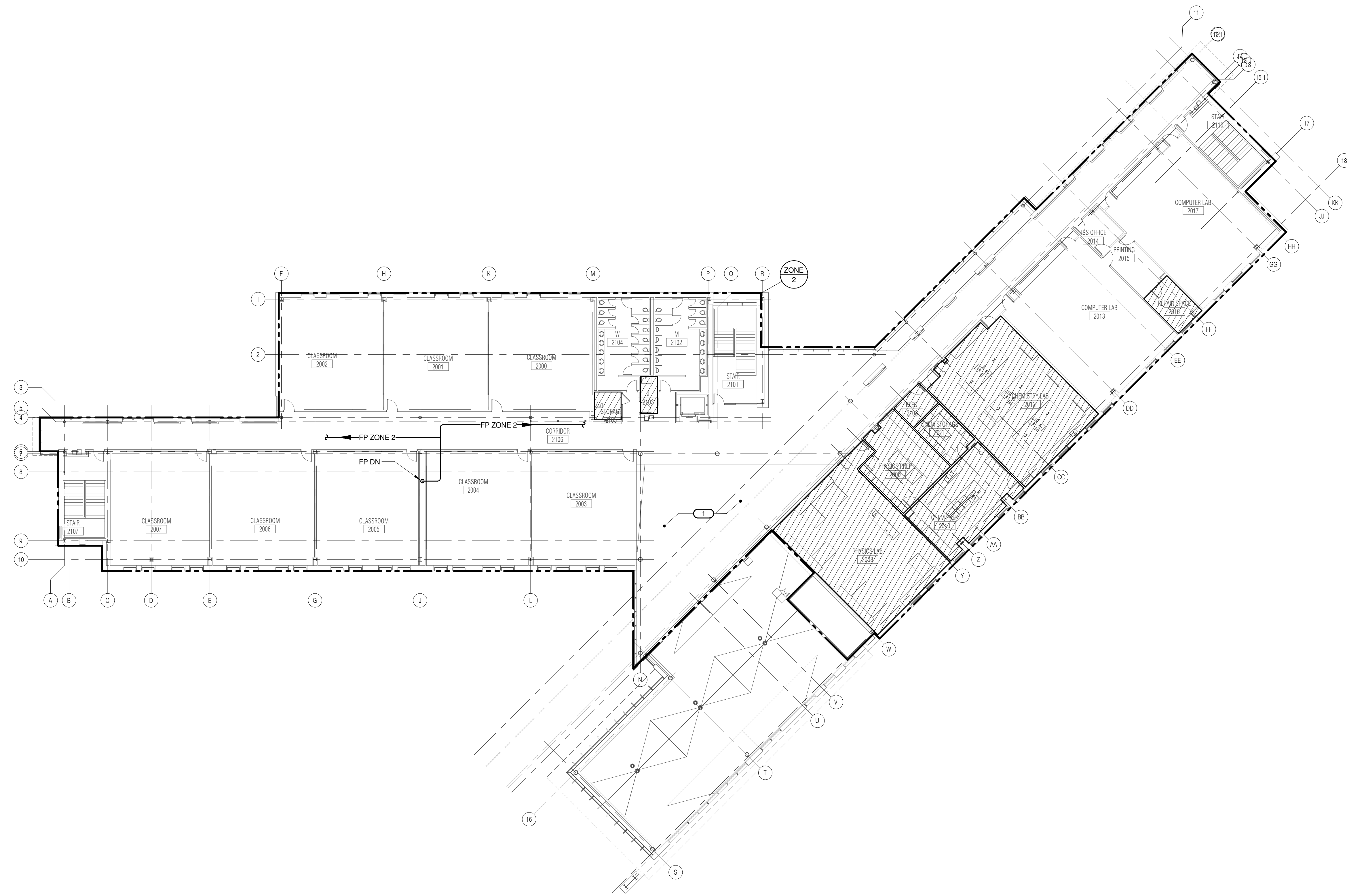
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- GENERAL FIRE PROTECTION NOTES :**
1. FIRE PROTECTION PIPE ROUTING IS SHOWN FOR GENERAL LAYOUT. DETERMINE EXACT NUMBER OF SPRINKLERS, PIPE SIZING, AND PIPE ROUTING.
 2. CENTER SPRINKLERS IN CEILING TILES IN BOTH DIRECTIONS IN ALL AREAS. IN AREAS WITH 2'x4' CEILING TILES CENTERING USING A 2'x2' CEILING PATTERN IS ACCEPTABLE.
 3. SPRINKLERS SHALL BE QUICK RESPONSE TYPE, UNLESS OTHERWISE NOTED. CONTRACTOR SHALL NOT MIX STANDARD RESPONSE SPRINKLERS WITH QUICK RESPONSE SPRINKLERS IN UNPARTITIONED SPACES.
 4. PROVIDE COVERAGE ABOVE AND BELOW ALL DUCTWORK GREATER THAN 48" WIDE.
 5. SPRINKLERS INSTALLED IN STAIR 2110, STAIR 2101 AND LOCATED NEAR HEAT SOURCES SHALL BE INSTALLED PER NFPA 13.

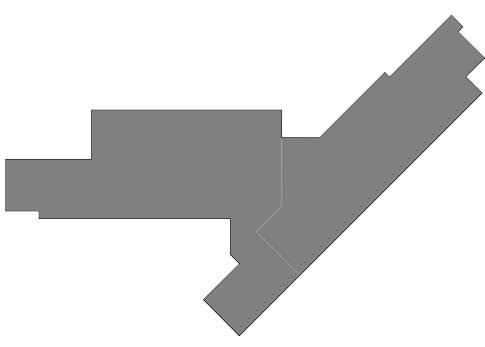
- KEYNOTES: (#)**
1. PROVIDE COVERAGE ABOVE AND BELOW FLOATING CEILINGS. ALL FP PIPING IN THIS AREA SHALL BE HIDDEN FROM VIEW AND PAINTED. REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS. PAINT COLOR SELECTION SHALL BE BY ARCHITECT.



1 LEVEL 2 PLAN - FIRE PROTECTION
 1/16" = 1'-0"

JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 2 PLAN - FIRE PROTECTION

SHEET NUMBER:

FP1.20

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Block Design Firm Registration #14-005-0075
 PROJECT # 14-0433-00

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JOLIET JUNIOR COLLEGE
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 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

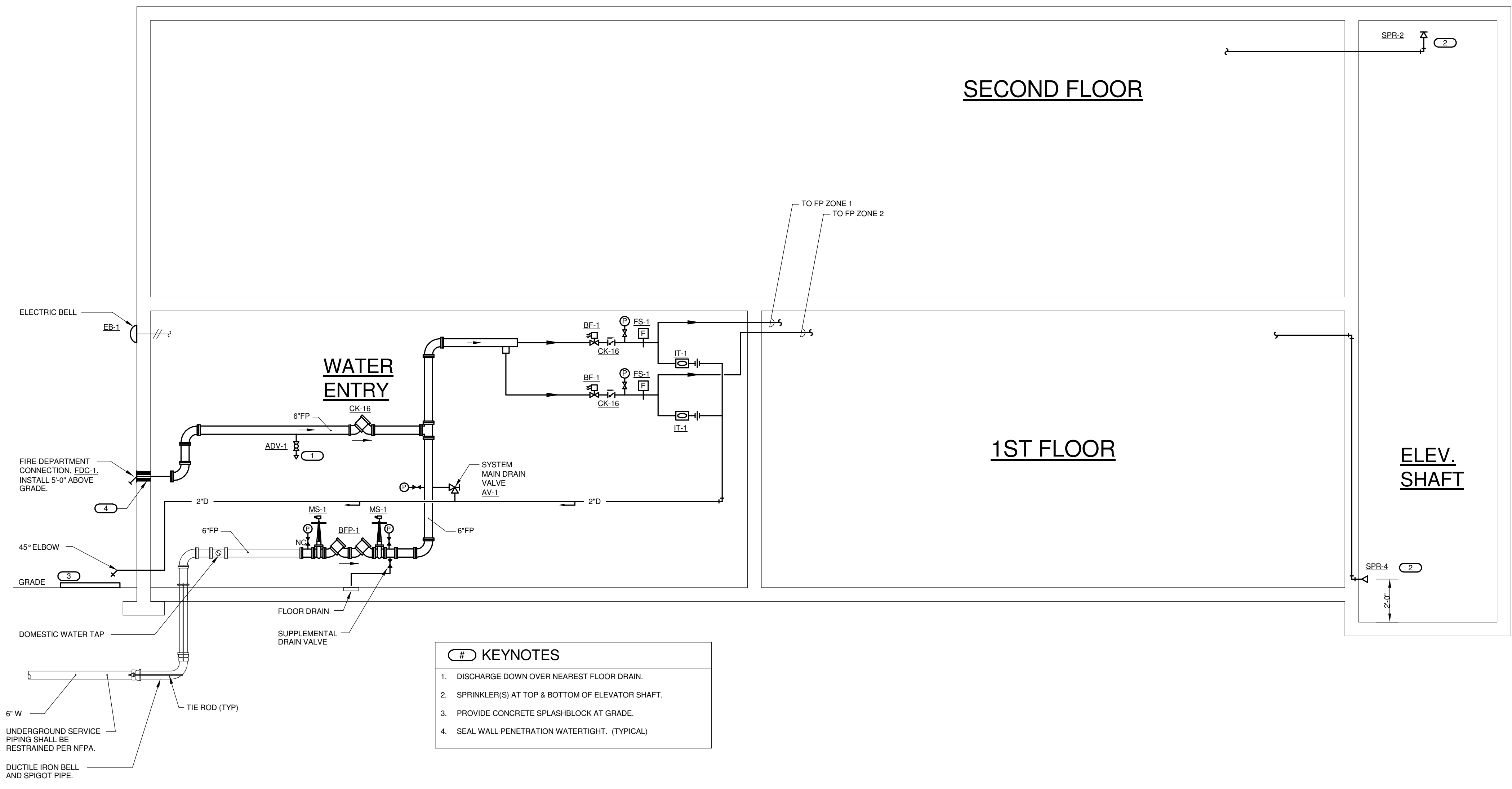
SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

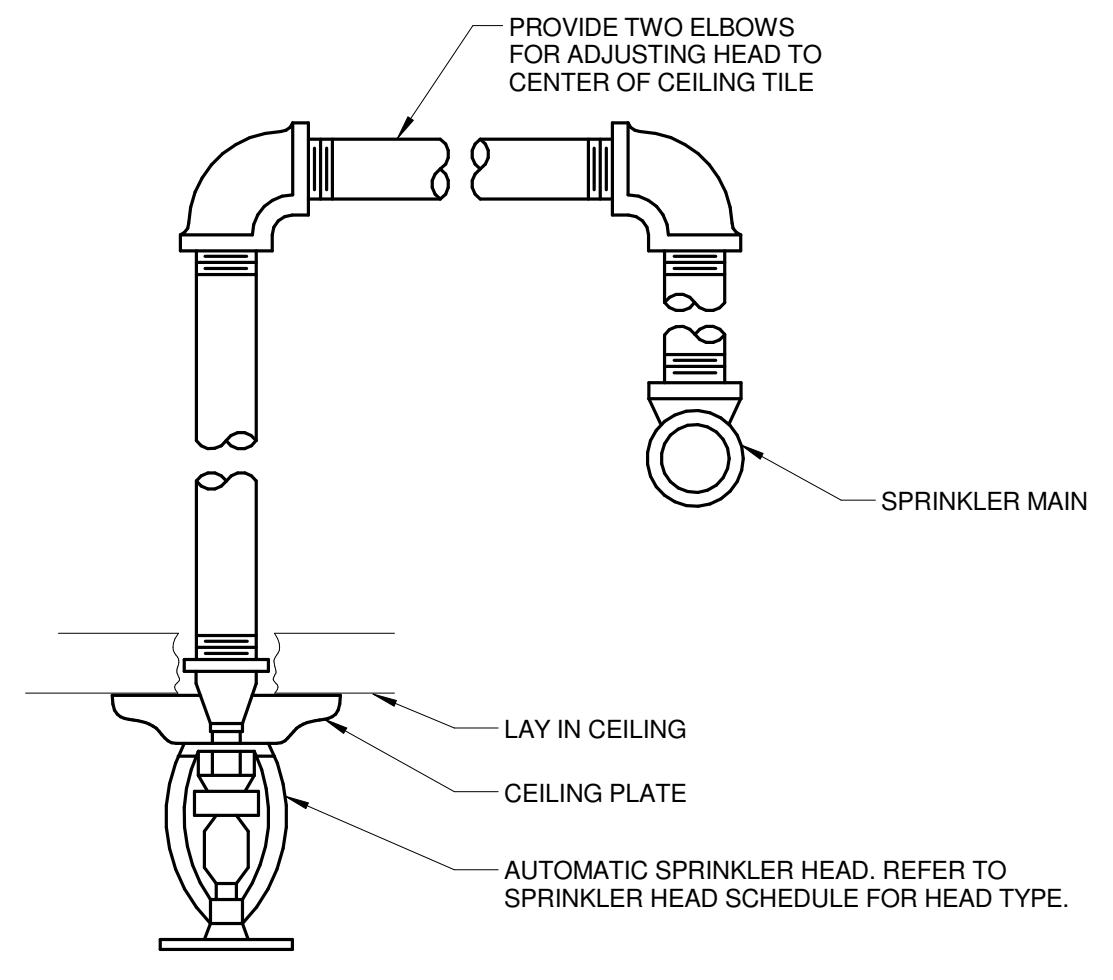
SHEET TITLE:
FIRE PROTECTION RISER DIAGRAM, DETAILS & MATERIAL LIST

SHEET NUMBER:
FP2.00

FIRE PROTECTION MATERIAL LIST	
THE SYMBOLS AND THE MATERIAL LIST ARE FOR THE CONVENIENCE OF THE CONTRACTOR. CONTRACTOR SHALL VERIFY QUANTITIES AND FURNISH ALL MATERIALS REQUIRED FOR FULLY OPERATIONAL SYSTEMS, WHETHER SPECIFIED OR NOT.	
CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE, BUT ARE GIVEN AS AN AID TO THE CONTRACTOR AND TO INDICATE THE QUALITY REQUIRED. CONTRACTOR IS RESPONSIBLE FOR COMPLETE DESCRIPTION OF MATERIAL ON THESE DRAWINGS AND IN THE SPECIFICATIONS BEFORE ORDERING. THE DESCRIPTION OF THE MATERIAL TAKES PRECEDENCE OVER THE CATALOG NUMBER. THE FIRST LISTED MANUFACTURER IS THE BASIS OF DESIGN.	
AD-1	DESCRIPTION: AUTOMATIC DRIP VALVE, 175 PSI WP, BRASS BAR, STAINLESS STEEL SPRING AND RETAINING RING, CLOSING PRESSURE 13.5 PSI WITH INCREASING PRESSURE, OPENING PRESSURE 12.5 PSI WITH DECREASING PRESSURE, 1/2" NPT INLET AND 1/4" NPT DRAIN OUTLET. MANUFACTURER & CATALOG NO.: VIKING B-1, TYCO AD-1, RELIABLE C.
AV-1	DESCRIPTION: ANGLE VALVE, 1/2" TO 2", 175 PSI BRONZE BODY, INTEGRAL SEAT, SOFT DISC, HANDWHEEL, THREADED, UL. MANUFACTURER & CATALOG NO.: UNITED 1265 UL, NIBCO K4-47-UL / T-301-W, KENNEDY 98 50, FPPI.
BF-1	DESCRIPTION: 2" TO 12" BUTTERFLY VALVE, 175 PSI WP, LUGGED OR GROOVED TYPE, IRON BODY, ALUMINUM BRONZE OR EPDM COATED IRON DISC, STAINLESS STEEL STEM AND SCREWS, EPDM SEAT, INTEGRAL MONITOR SWITCH, RATED FOR DEAD END SERVICE, UL/FM. MANUFACTURER & CATALOG NO.: GEM 8000FP, TYCO BFV, KENNEDY 01, NIBCO LD5510-B, GD-4768-IN, VICTAULIC 705-W, KENNEDY DESCRIPTION: 1" TO 2 1/2" SLOW CLOSE BUTTERFLY VALVE, 175 PSI WP, BRONZE BODY, TYPE 304 STAINLESS STEEL ELASTOMER COATED DISK, SLOW CLOSE MANUAL OPERATOR WITH INTEGRAL TAMPER SWITCH, GROOVED OR THREADED ENDS, UL/FM. MANUFACTURER & CATALOG NO.: MILWAUKEE BB-SCS OR APPROVED EQUAL.
BEP-1	DESCRIPTION: DOUBLE CHECK BACKFLOW PREVENTER WITH SPRING LOADED VALVES, CAST IRON CONSTRUCTION, WITH BRONZE, PLASTIC OR STAINLESS STEEL INTERNAL PARTS AND STAINLESS STEEL SPRINGS, OS & Y RISING STEM SHUT-OFF VALVES ON BOTH SIDES OF CHECK VALVES, UNITS SHALL INCLUDE FOUR TEST COCKS WITH SHUT-OFF VALVES AND SHALL BE BACKFLOW TESTED AT THE FACTORY, RATED FOR 175 PSI AT 33 DEGREES F, TO 140 DEGREES F, MAXIMUM PRESSURE DROP 8 PSI AT 10 FPS REGARDLESS OF SIZE, FLOW PRESSURE DROP CURVES SHALL BE SUBMITTED, ALL PARTS TO BE SERVICEABLE WITHOUT REMOVING UNIT FROM LINE, APPROVED BY USC FCCC & HR, AWWA C510-92, ASSE 1015, IAPMO AND SBCCI LISTED, UL/FM. MANUFACTURER & CATALOG NO.: WATTS SERIES 907 & 709, CONBRACO SERIES 40-100, FEBCO 850, WILKINS 920XL & 920.
CK-16	DESCRIPTION: 2 1/2" TO 12" SWING CHECK VALVE, 175 PSI WP, FLANGED OR GROOVED, IRON BODY, BRONZE MOUNTED, BRONZE SEAT RING AND RUBBER CLAPPER FACING, SWING TYPE, UL/FM. MANUFACTURER & CATALOG NO.: VIKING D-1G-1, TYCO CV-1F, RELIABLE D OR G, KENNEDY 126A OR 426, ANVIL/STAR 78FP DESCRIPTION: 1 1/2" TO 2" CHECK VALVE, 250 PSI WP, THREADED OR GROOVED, BRASS BODY, BRASS SEAT AND RUBBER CLAPPER FACING, SPRING LOADED IN LINE TYPE, UL/FM. MANUFACTURER & CATALOG NO.: VIKING L-1K-1.
EB-1	DESCRIPTION: ELECTRIC BELL, 10" GONG SIZE, MINIMUM UL SPHERICAL 4B MEASUREMENT OF 81, 120 VOLT AC, STEEL GONG, DIECAST ALUMINUM BASE, WIRED FINISH MANUFACTURER & CATALOG NO.: POTTER PB412, JOHNSON FIRE & SPECIALTIES, FARR-LARM SERIES 3300.
EDC-1	DESCRIPTION: EXPOSED FIRE DEPT. 5" LOCKING STORZ INLET CONNECTION, POLISHED CHROME PLATED SINGLE INLET BODY WITH POLISHED CHROME PLATED WALL PLATE LABELED "AUTO. SPR." 5" UL, THREADS TO MATCH LOCAL FIRE DEPARTMENT, PROVIDE WITH A 30 DEGREE ELBOW TOWARDS GRADE. MANUFACTURER & CATALOG NO.: POTTER-ROEMER, CROKER, GUARDIAN, ELKHART.
ES-1	DESCRIPTION: FLOW SWITCH - VANE TYPE FOR USE ON WET PIPE SPRINKLER SYSTEM TO DETECT A MINIMUM FLOW OF 10 GPM, TWO SINGLE POLE DOUBLE THROW SWITCHES WITH PNEUMATIC RETARD-ADJUSTABLE FROM 0-90 SECONDS WITH AUTOMATIC RESET, TAMPER RESISTANT METAL HOUSING, UL/FM. MANUFACTURER & CATALOG NO.: SYSTEM SENSOR WFD SERIES, POTTER ELECTRIC VSR-F.
IT-1	DESCRIPTION: 1" INSPECTOR'S TEST AND DRAIN VALVE WITH INTEGRAL SIGHT GLASS, BALL VALVE WITH INTEGRAL LABELED PLATE SHOWING GFI TEST DRAIN POSITIONS, FURNISHED WITH TEST ORIFICE GIVING FLOW EQUIVALENT TO ONE SPRINKLER OF A TYPE HAVING THE SMALLEST ORIFICE INSTALLED ON THE SYSTEM, UL. MANUFACTURER & CATALOG NO.: RELIABLE B W11" BALL VALVE, TYCO F350, AGF MODEL 1000.
MS-1	DESCRIPTION: MONITOR SWITCH - ELECTRIC, ONE SINGLE POLE, DOUBLE THROW CONTACT, CAST ALUMINUM HOUSING WITH CORROSION RESISTANT PARTS, WITH JUBILETS FOR MOUNTING, UL/FM, VERIFY ELECTRICAL CHARACTERISTICS WITH ELECTRICAL CONTRACTOR PRIOR TO PURCHASE. MANUFACTURER & CATALOG NO.: POTTER ELECTRIC OSYSU-1, SYSTEM SENSOR OSY2.



1 FIRE PROTECTION RISER DIAGRAM
 NO SCALE



2 SPRINKLER HEAD MOUNTING DETAIL
 NO SCALE

AREA		SPRINKLER					MANUFACTURER & MODEL	REMARKS
AREA TYPE (NOTE 1 & 5)	AREA HAZARD	SYMBOL (NOTES 3 & 4)	TYPE	RESPONSE	FINISH	TEMPERATURE °F		
AREAS WITHOUT CEILINGS	REFER TO PLANS	SPR-1	UPRIGHT	QUICK	ROUGH BRASS	155	VIKING VK, RELIABLE F1FR, TYCO TY-FRB, VICTAULIC V2704	NOTE 2
MECHANICAL SPACES, TOP OF ELEVATOR SHAFT	REFER TO PLANS	SPR-2	UPRIGHT	QUICK	ROUGH BRASS	175	VIKING VK, RELIABLE F1FR, TYCO TY-FRB, VICTAULIC V2704	NOTE 2
OCCUPIED SPACES WITH CEILINGS	REFER TO PLANS	SPR-3	CONCEALED	QUICK	ROUGH BRASS	155	VIKING VK, RELIABLE GAA, TYCO REI, VICTAULIC V3602	NOTE 2, 7
BOTTOM OF ELEVATOR PIT, ELECTRICAL ROOMS, IT CLOSETS	REFER TO PLANS	SPR-4	SIDEWALL	QUICK	ROUGH BRASS	175	VIKING VK, RELIABLE F1FR, TYCO TY-FRB, VICTAULIC V2710	NOTE 2, 8
WALK-IN COOLERS	REFER TO PLANS	SPR-5	DRY PENDENT	QUICK	ROUGH BRASS	155	VIKING VK, RELIABLE F3OR, TYCO DS, VICTAULIC V3606	NOTE 2, 6

- NOTES:
- REFER TO FLOOR PLANS FOR ZONING REQUIREMENTS.
 - ALL SPRINKLERS SHALL BE UL LISTED.
 - CONTRACTOR TO VERIFY SPRINKLER REQUIREMENTS BASED ON ACTUAL INSTALLATION, USAGE, ARCHITECTURAL CEILING PLAN AND NFPA 13 REQUIREMENTS.
 - SYMBOL IS PRIMARILY FOR IDENTIFYING SPRINKLERS IN SUBMITTALS. IT MAY OR MAY NOT BE FOUND ELSEWHERE ON THE DRAWINGS. CONTRACTOR TO SUBMIT ALL SPRINKLER TYPES TO BE USED.
 - AREAS ARE GENERAL IN NATURE. CONTRACTOR TO MATCH UNSCHEDULED AREAS TO SIMILAR SPACES.
 - SPRINKLERS SHALL HAVE A 3mm QUICK RESPONSE BULB.
 - COLOR VARIES BY SPRINKLER LOCATION. COORDINATE COLOR OF ALL SPRINKLER COVERS WITH ARCHITECT.
 - NO FIRE PROTECTION PIPING SHALL BE ROUTED IN OR THROUGH ELECTRICAL OR IT ROOMS.

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PROJECT # 14-005-007

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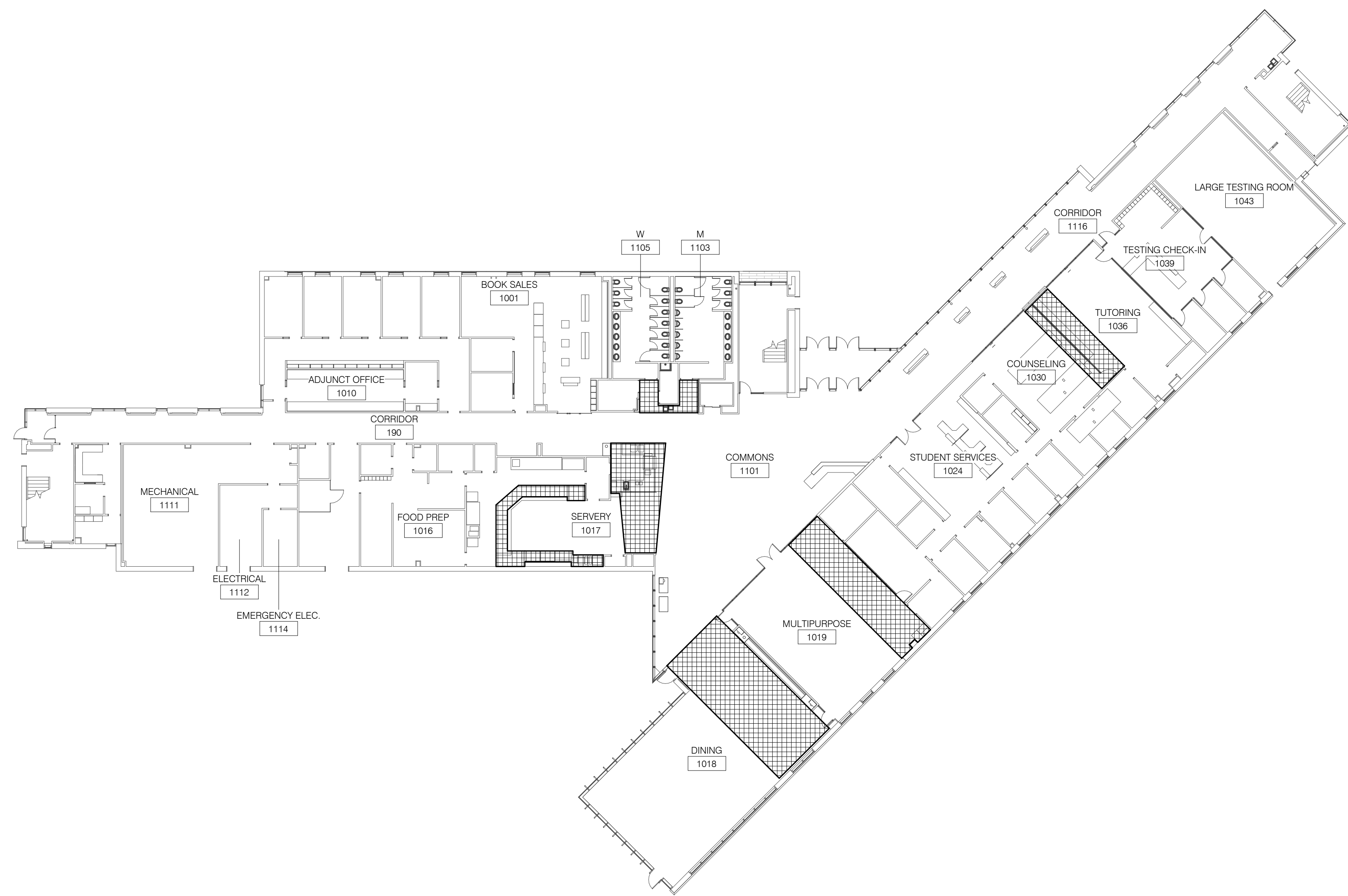


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ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

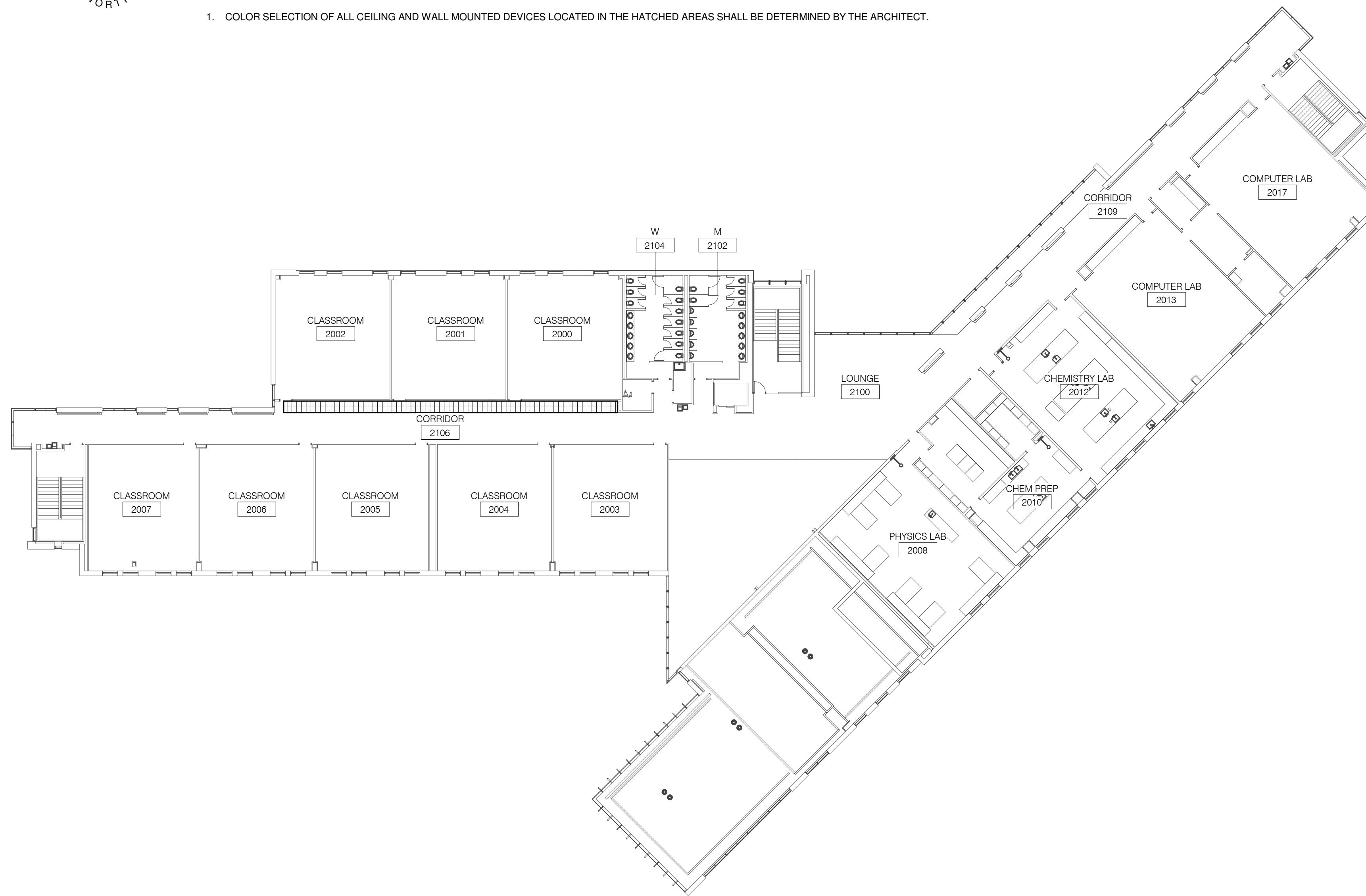


1 LEVEL 1 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

1" = 20'-0"

NOTES:

- COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.



2 LEVEL 2 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

1" = 20'-0"

NOTES:

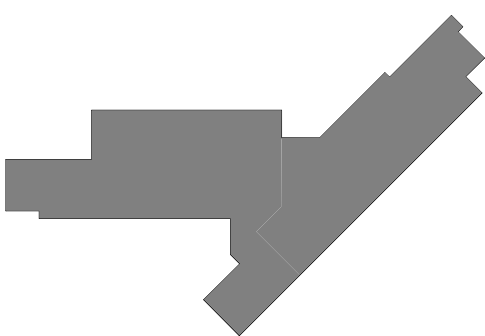
- COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.

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KEY PLAN:



SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
FIRE PROTECTION DETAILS

SHEET NUMBER:
FP2.01

GENERAL SHEET NOTES

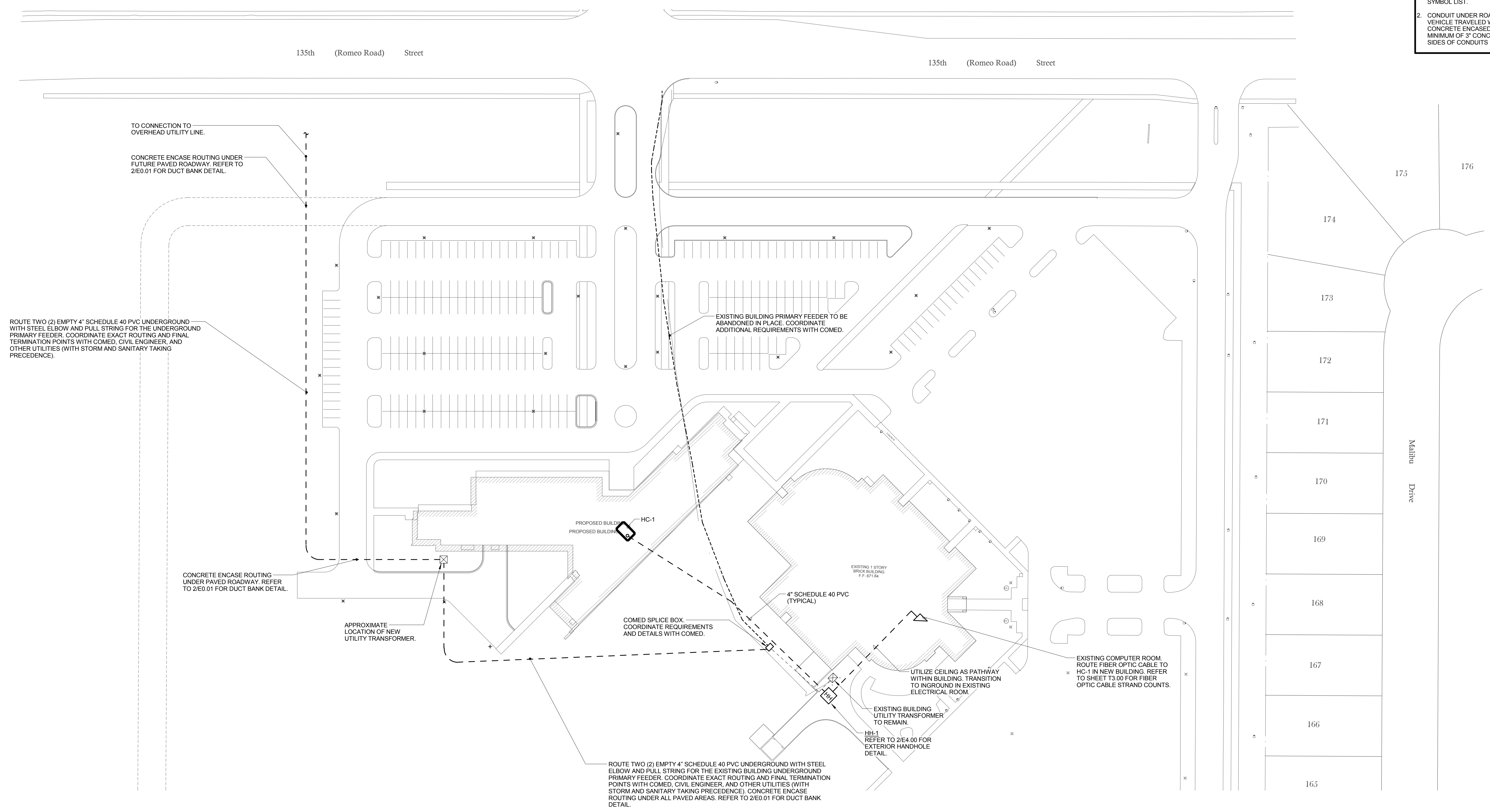
1. REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
2. CONDUIT UNDER ROADS, DRIVES, AND VEHICLE TRAVELED WAYS SHALL BE CONCRETE ENCASED PVC WITH A MINIMUM OF 3" CONCRETE COVER ON ALL SIDES OF CONDUITS



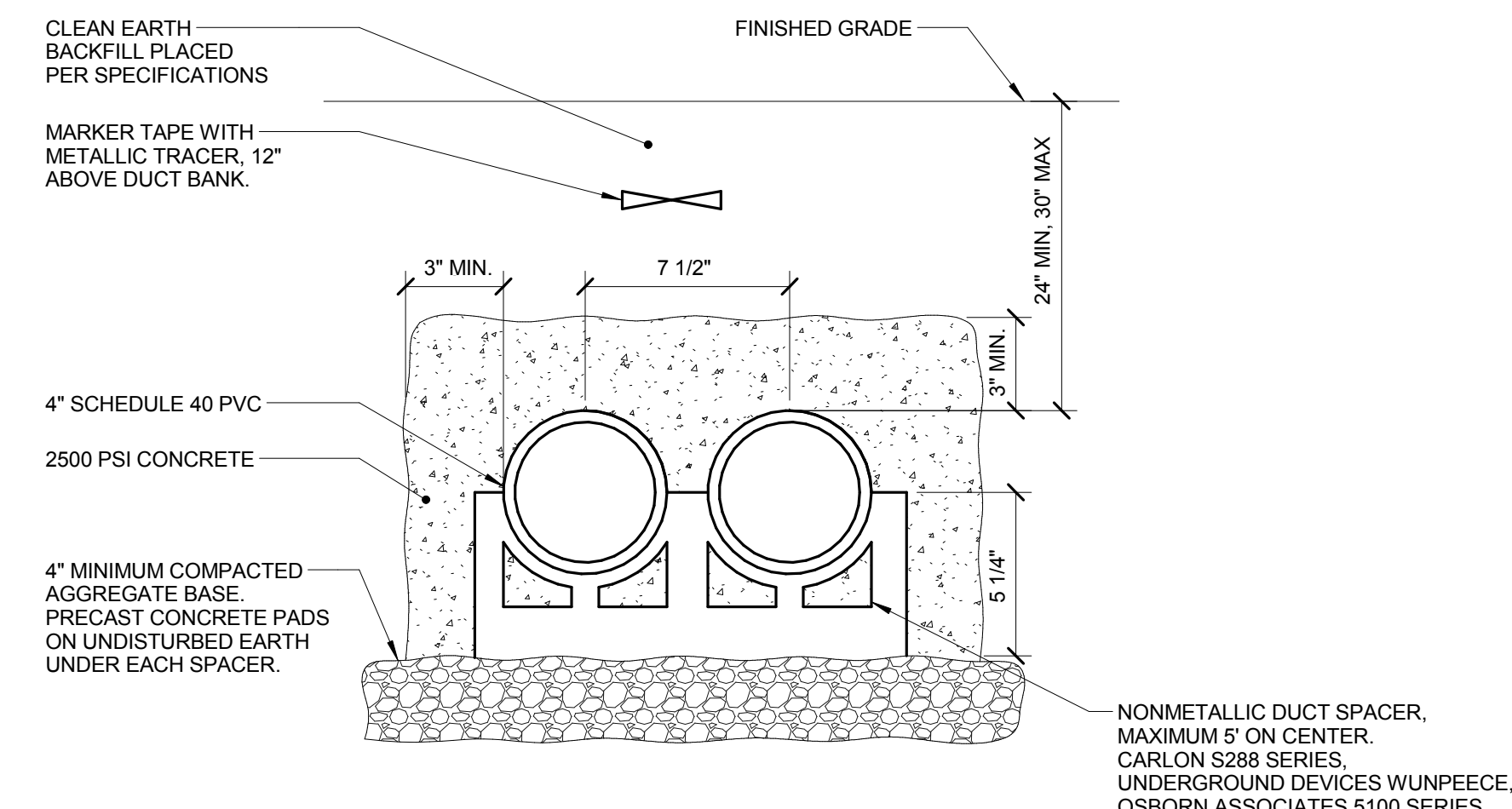
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1 ELECTRICAL SITE PLAN - CENTRAL UTILITY
 1" = 50'-0"



2 DUCT BANK DETAIL (1x2)

- NO SCALE
- NOTES:
1. INSTALL 2000 LB TENSILE STRENGTH BRAIDED POLYPROPYLENE PULL CORD IN ALL CONDUITS.
 2. TRENCHING AND BACKFILL ACCORDING TO SPECIFICATIONS.

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 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ELECTRICAL SITE PLAN - CENTRAL UTILITY

SHEET NUMBER:
E0.01



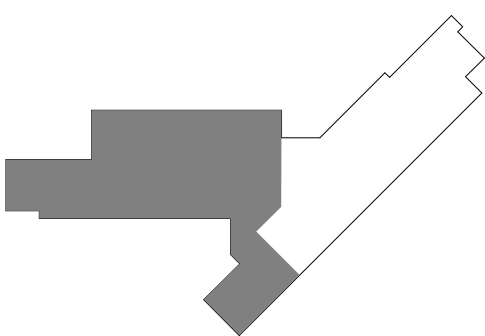
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - WEST - LIGHTING

SHEET NUMBER:
E1.11

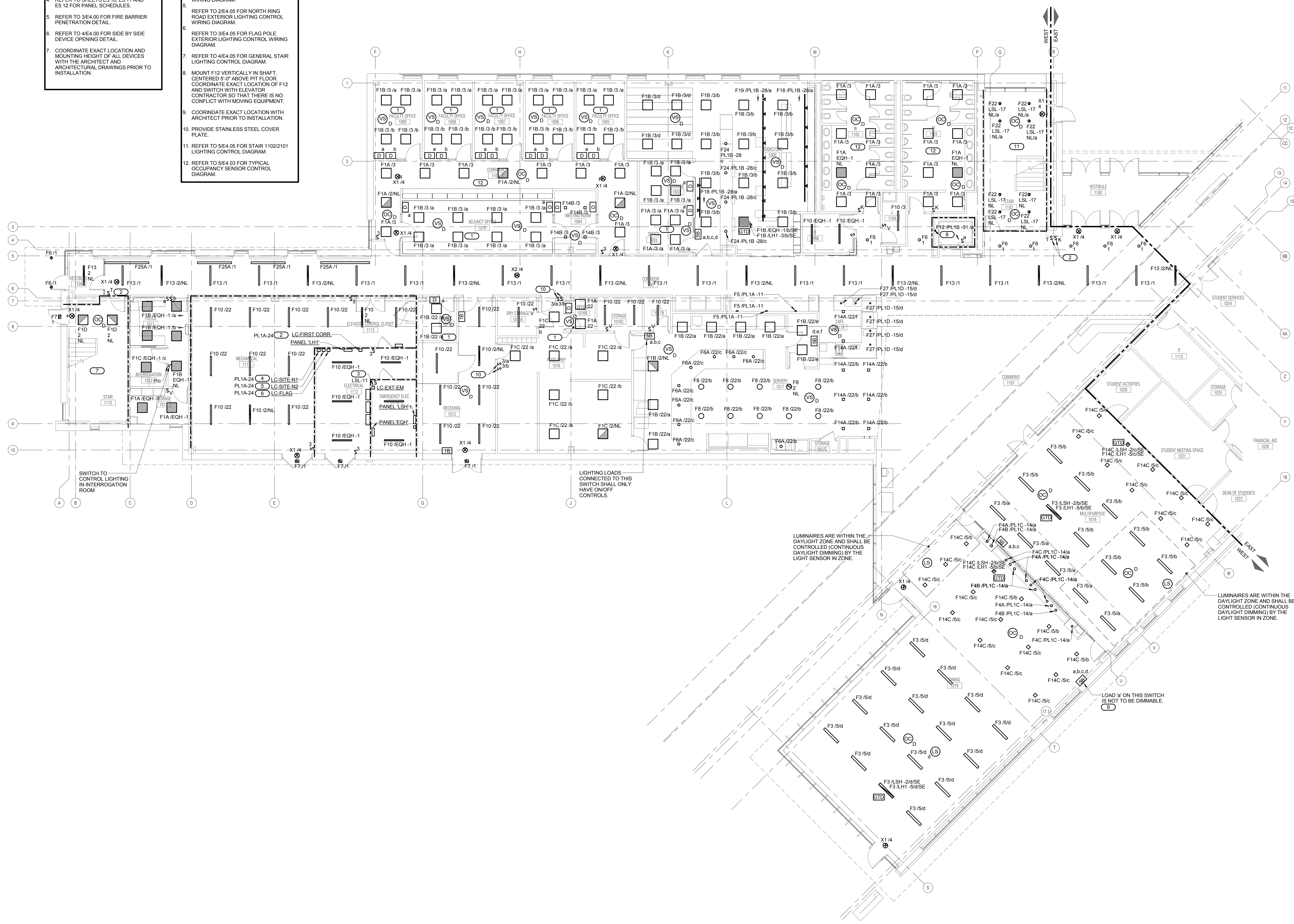
GENERAL SHEET NOTES

- REFER TO SHEET E0.00 FOR ELECTRICAL GENERAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
- REFER TO SHEET E5.00 FOR LUMINAIRE SCHEDULE.
- REFER TO 1/E4.04 FOR GENERAL OCCUPANCY/VACANCY SENSOR LIGHTING CONTROL DIAGRAM.
- REFER TO SHEETS E5.10, E5.11 AND E5.12 FOR PANEL SCHEDULES.
- REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
- REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

KEYNOTES

- REFER TO 1/E4.03 FOR OFFICE/OPEN OFFICE LIGHTING CONTROL DIAGRAM.
- REFER TO 2/E4.04 FOR FIRST FLOOR CORRIDOR LIGHTING CONTROL DIAGRAM.
- REFER TO 5/E4.03 FOR EXTERIOR LIFE SAFETY LIGHTING CONTROL DIAGRAM.
- REFER TO 1/E4.05 FOR NORTH PARKING LOT EXTERIOR LIGHTING CONTROL WIRING DIAGRAM.
- REFER TO 2/E4.05 FOR NORTH RING ROAD EXTERIOR LIGHTING CONTROL WIRING DIAGRAM.
- REFER TO 3/E4.05 FOR FLAG POLE EXTERIOR LIGHTING CONTROL WIRING DIAGRAM.
- REFER TO 4/E4.05 FOR GENERAL STAIR LIGHTING CONTROL DIAGRAM.
- MOUNT F12 VERTICALLY IN SHAFT, CENTERED 5'-0" ABOVE PIT FLOOR. COORDINATE EXACT LOCATION OF F12 AND SWITCH WITH ELEVATOR CONTRACTOR SO THAT THERE IS NO CONFLICT WITH MOVING EQUIPMENT.
- COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE STAINLESS STEEL COVER PLATE.
- REFER TO 5/E4.05 FOR STAIR 1102/2101 LIGHTING CONTROL DIAGRAM.
- REFER TO 5/E4.03 FOR TYPICAL OCCUPANCY SENSOR CONTROL DIAGRAM.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH1', UNLESS NOTED OTHERWISE.
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.



LEVEL 1 PLAN - WEST - LIGHTING
 1/8" = 1'-0"

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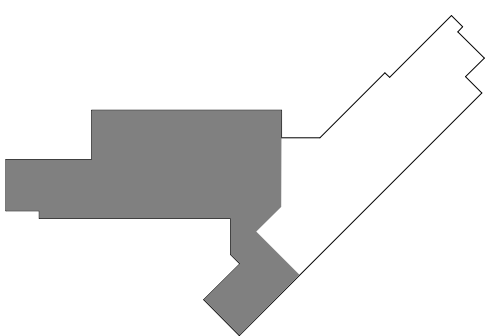
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 P: 312.496.0000

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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**LEVEL 2 PLAN - WEST
 - LIGHTING**

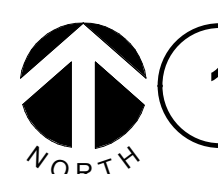
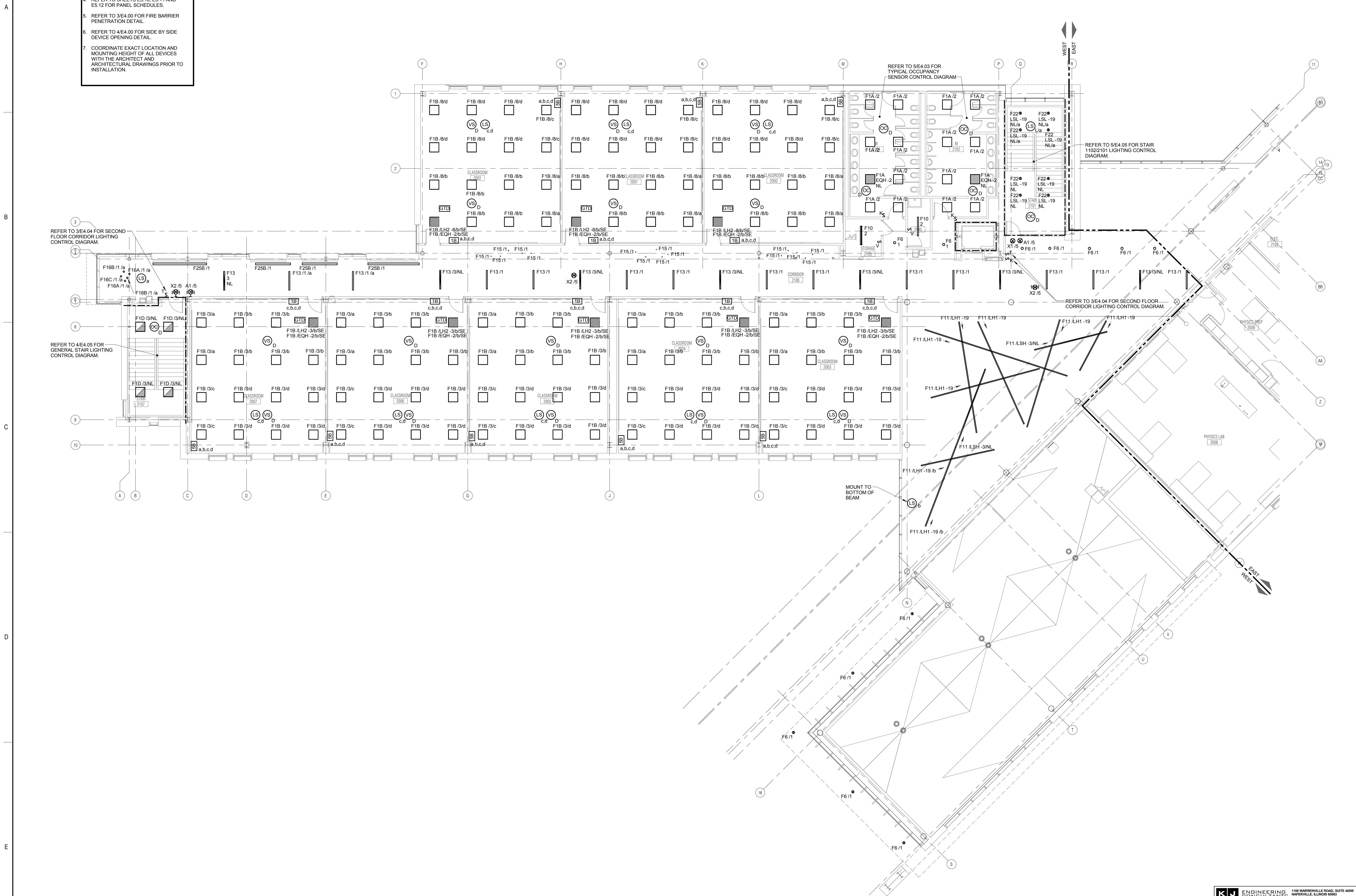
SHEET NUMBER:

E1.21

GENERAL SHEET NOTES

- REFER TO SHEET E0.00 FOR ELECTRICAL GENERAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
- REFER TO SHEET E5.00 FOR LUMINAIRE SCHEDULE.
- REFER TO 1/E4.04 FOR GENERAL OCCUPANCY/VACANCY SENSOR LIGHTING CONTROL DIAGRAM.
- REFER TO SHEETS E5.10, E5.11 AND E5.12 FOR PANEL SCHEDULES.
- REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
- REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH2', UNLESS NOTED OTHERWISE.
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.



LEVEL 2 PLAN - WEST - LIGHTING
 1/8" = 1'-0"

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DESIGNER: KJWW
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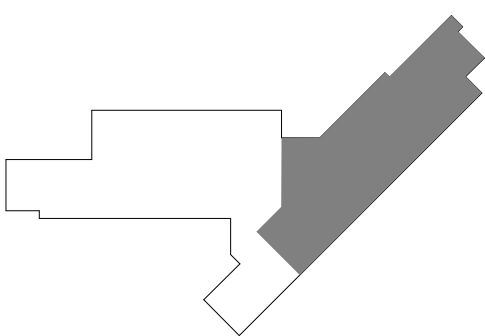
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 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 2 PLAN - EAST - LIGHTING

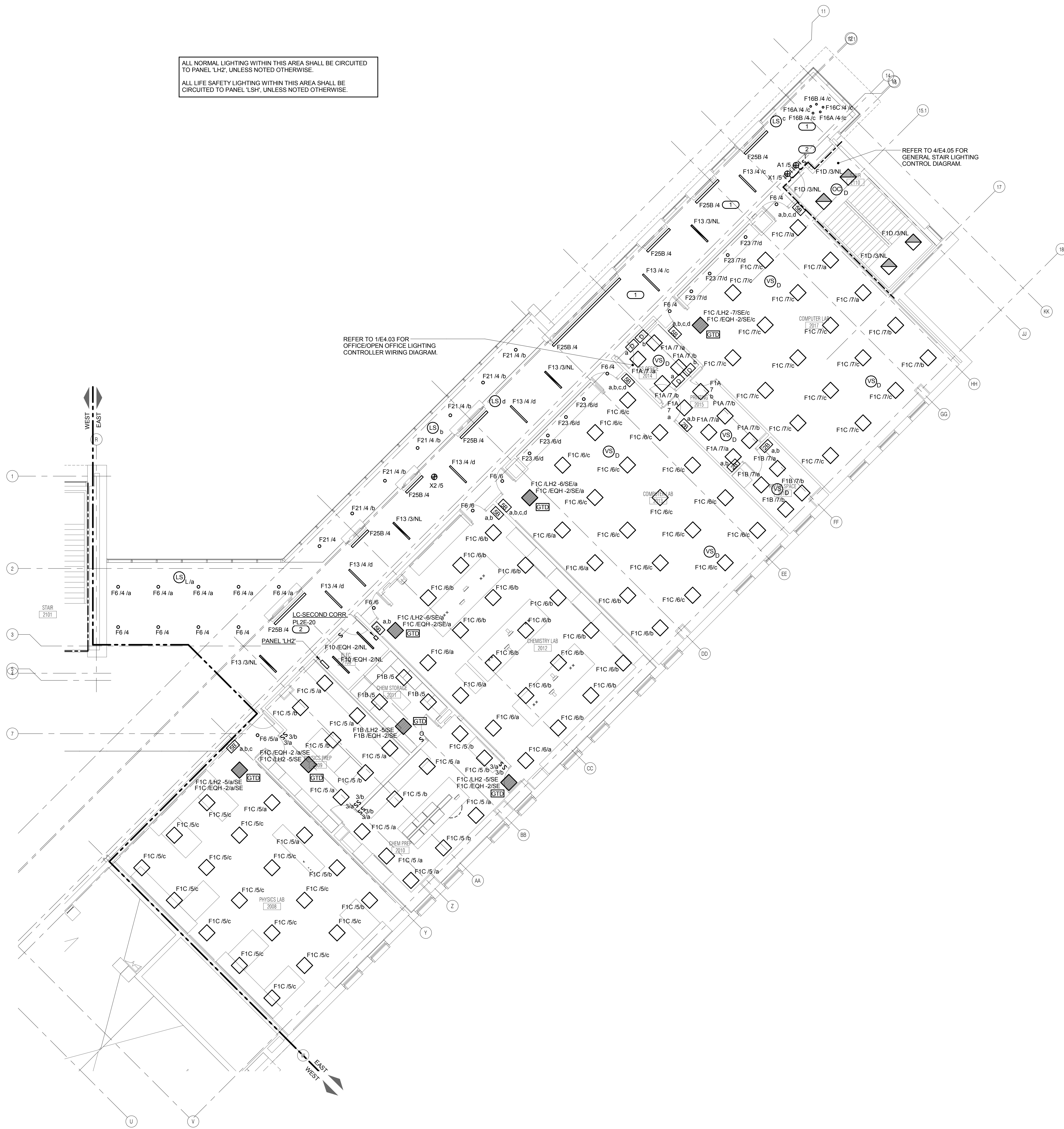
SHEET NUMBER:

E1.22

- GENERAL SHEET NOTES**
- REFER TO SHEET E0.00 FOR ELECTRICAL GENERAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
 - REFER TO SHEET E5.00 FOR LUMINAIRE SCHEDULE.
 - REFER TO 1/E4.04 FOR GENERAL OCCUPANCY/VACANCY SENSOR LIGHTING CONTROL DIAGRAM.
 - REFER TO SHEETS E5.10, E5.11 AND E5.12 FOR PANEL SCHEDULES.
 - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
 - REFER TO 6/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

- KEYNOTES (#)**
- MOUNTING HEIGHT VARIES COORDINATE WITH ARCHITECTURAL DRAWINGS.
 - REFER TO 3/E4.04 FOR SECOND FLOOR CORRIDOR LIGHTING CONTROL DIAGRAM.

ALL NORMAL LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LH2', UNLESS NOTED OTHERWISE.
 ALL LIFE SAFETY LIGHTING WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'LSH', UNLESS NOTED OTHERWISE.



1 LEVEL 2 PLAN - EAST - LIGHTING
 1/8" = 1'-0"

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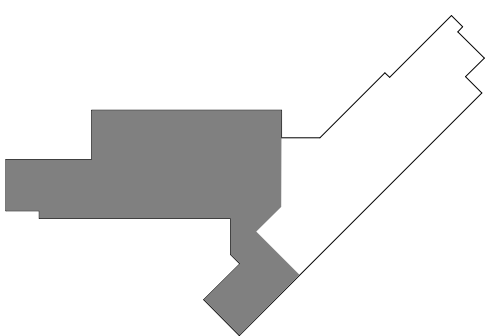
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**LEVEL 1 PLAN - WEST
 - POWER**

SHEET NUMBER:

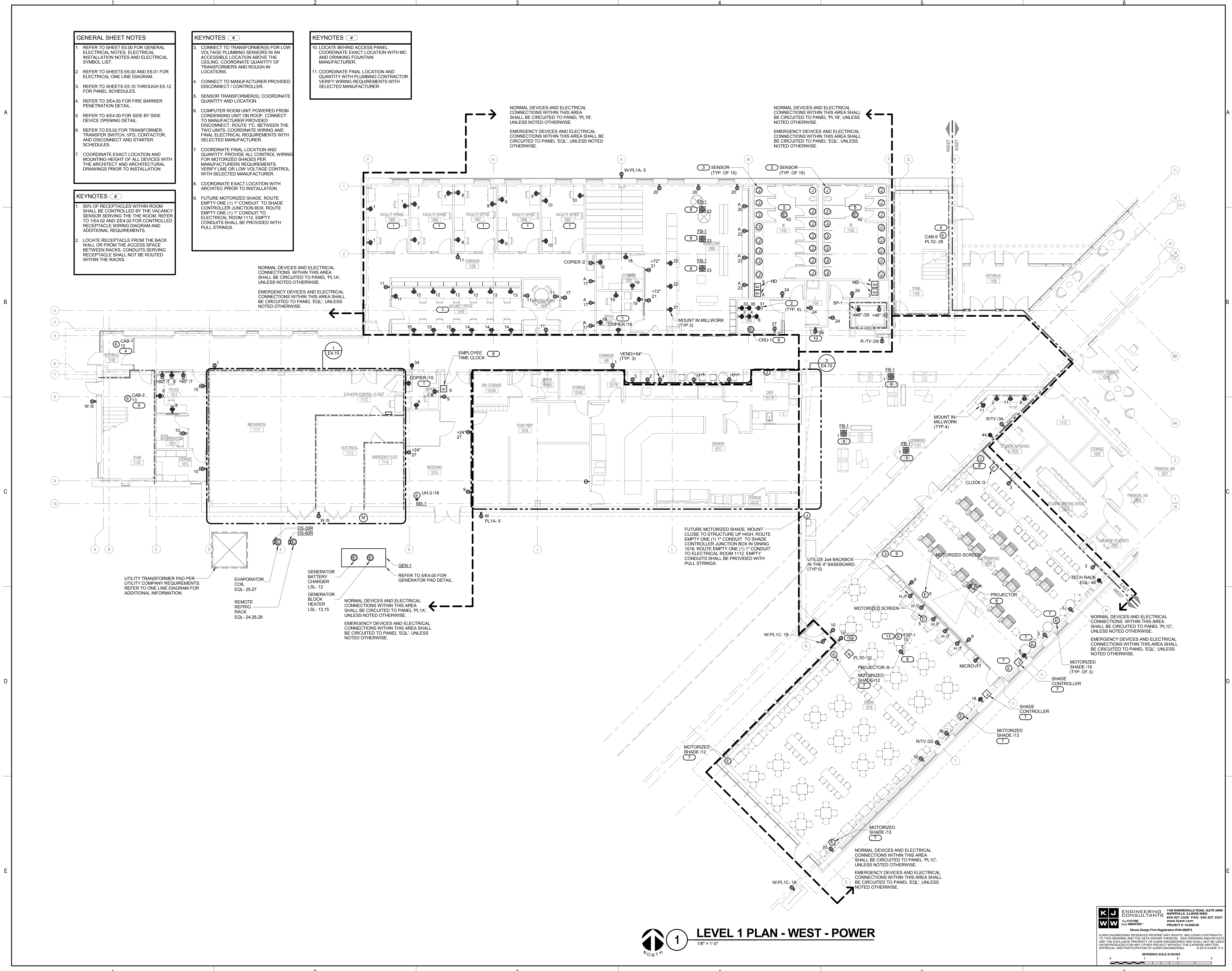
E2.11

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REFERENCE SCALE IN INCHES
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LEVEL 1 PLAN - WEST - POWER
 1/8" = 1'-0"



- GENERAL SHEET NOTES**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
 - REFER TO SHEETS E8.00 AND E8.01 FOR ELECTRICAL ONE-LINE DIAGRAM.
 - REFER TO SHEETS E5.10 THROUGH E5.12 FOR PANEL SCHEDULES.
 - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
 - REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
 - REFER TO E5.02 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

- KEYNOTES (C#)**
- 50% OF RECEPTACLES WITHIN ROOM SHALL BE CONTROLLED BY THE VACANCY SENSOR SERVING THE ROOM. REFER TO 1/E4.02 AND 2/E4.02 FOR CONTROLLED RECEPTACLE WIRING DIAGRAM AND ADDITIONAL REQUIREMENTS.
 - LOCATE RECEPTACLE FROM THE BACK WALL OR FROM THE ACCESS SPACE BETWEEN RACKS. CONDUITS SERVING RECEPTACLE SHALL NOT BE ROUTED WITHIN THE RACKS.

- KEYNOTES (C#)**
- CONNECT TO TRANSFORMER(S) FOR LOW VOLTAGE PLUMBING SENSORS IN AN ACCESSIBLE LOCATION ABOVE THE CEILING. COORDINATE QUANTITY OF TRANSFORMERS AND ROUGH-IN LOCATIONS.
 - CONNECT TO MANUFACTURER PROVIDED DISCONNECT/CONTROLLER.
 - SENSOR TRANSFORMER(S). COORDINATE QUANTITY AND LOCATION.
 - COMPUTER ROOM UNIT POWERED FROM CONDENSING UNIT ON ROOF. CONNECT TO MANUFACTURER PROVIDED DISCONNECT. ROUTE 1" C. BETWEEN THE TWO UNITS. COORDINATE WIRING AND FINAL ELECTRICAL REQUIREMENTS WITH SELECTED MANUFACTURER.
 - COORDINATE FINAL LOCATION AND QUANTITY. PROVIDE ALL CONTROL WIRING FOR MOTORIZED SHADES PER MANUFACTURER'S REQUIREMENTS. VERIFY LINE OR LOW VOLTAGE CONTROL WITH SELECTED MANUFACTURER.
 - COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
 - FUTURE MOTORIZED SHADE. ROUTE EMPTY ONE (1) 1" CONDUIT TO SHADE CONTROLLER JUNCTION BOX. ROUTE EMPTY ONE (1) 1" CONDUIT TO ELECTRICAL ROOM 1112. EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRINGS.

- KEYNOTES (C#)**
- LOCATE BEHIND ACCESS PANEL. COORDINATE EXACT LOCATION WITH MC AND DRINKING FOUNTAIN MANUFACTURER.
 - COORDINATE FINAL LOCATION AND QUANTITY WITH PLUMBING CONTRACTOR. VERIFY WIRING REQUIREMENTS WITH SELECTED MANUFACTURER.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL1A', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL1B', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL1B', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.

FUTURE MOTORIZED SHADE. MOUNT CLOSE TO STRUCTURE UP HIGH. ROUTE EMPTY ONE (1) 1" CONDUIT TO SHADE CONTROLLER JUNCTION BOX IN DINING 1018. ROUTE EMPTY ONE (1) 1" CONDUIT TO ELECTRICAL ROOM 1112. EMPTY CONDUITS SHALL BE PROVIDED WITH PULL STRINGS.

UTILIZE 2x4 BACKBOX IN THE 4" BASEBOARD. (TYP. 5)

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL1C', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL1C', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.



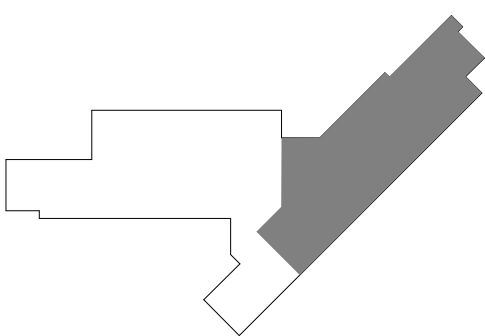
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - EAST - POWER

SHEET NUMBER:

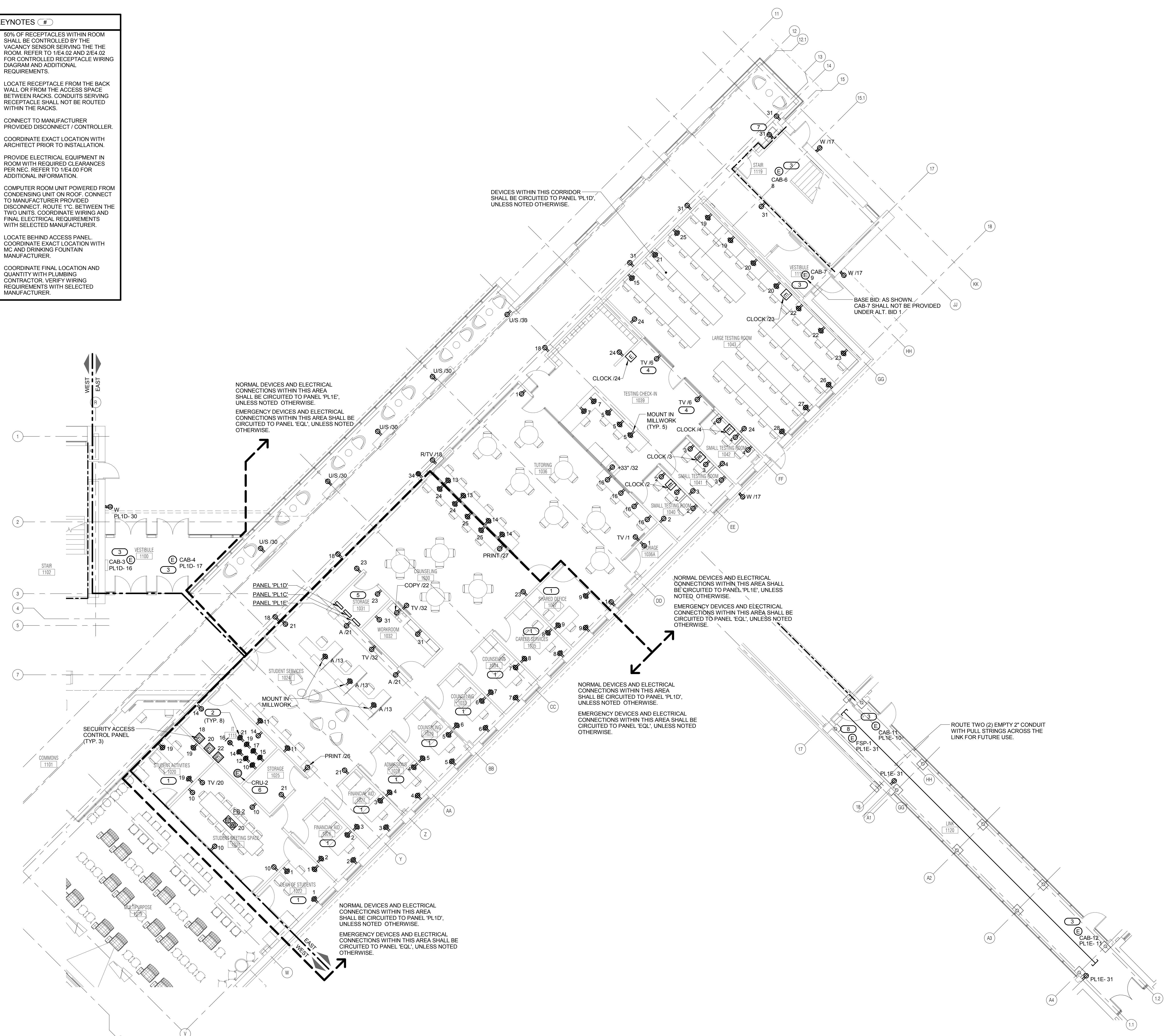
E2.12

GENERAL SHEET NOTES

- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
- REFER TO SHEETS E8.00 AND E8.01 FOR ELECTRICAL ONE-LINE DIAGRAM.
- REFER TO SHEETS E5.10 THROUGH E5.12 FOR PANEL SCHEDULES.
- REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
- REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
- REFER TO E5.02 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

KEYNOTES

- 50% OF RECEPTACLES WITHIN ROOM SHALL BE CONTROLLED BY THE VACANCY SENSOR SERVING THE ROOM. REFER TO 1/E4.02 AND 2/E4.02 FOR CONTROLLED RECEPTACLE WIRING DIAGRAM AND ADDITIONAL REQUIREMENTS.
- LOCATE RECEPTACLE FROM THE BACK WALL OR FROM THE ACCESS SPACE BETWEEN RACKS. CONDUITS SERVING RECEPTACLE SHALL NOT BE ROUTED WITHIN THE RACKS.
- CONNECT TO MANUFACTURER PROVIDED DISCONNECT / CONTROLLER.
- COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE ELECTRICAL EQUIPMENT IN ROOM WITH REQUIRED CLEARANCES PER NEC. REFER TO 1/E4.00 FOR ADDITIONAL INFORMATION.
- COMPUTER ROOM UNIT POWERED FROM CONDENSING UNIT ON ROOF. CONNECT TO MANUFACTURER PROVIDED DISCONNECT. ROUTE 1" C. BETWEEN THE TWO UNITS. COORDINATE WIRING AND FINAL ELECTRICAL REQUIREMENTS WITH SELECTED MANUFACTURER.
- LOCATE BEHIND ACCESS PANEL. COORDINATE EXACT LOCATION WITH MC AND DRINKING FOUNTAIN MANUFACTURER.
- COORDINATE FINAL LOCATION AND QUANTITY WITH PLUMBING CONTRACTOR. VERIFY WIRING REQUIREMENTS WITH SELECTED MANUFACTURER.



1 LEVEL 1 PLAN - EAST - POWER
 1/8" = 1'-0"

2 LEVEL 1 PLAN - ALT. BID 1 - POWER
 1/8" = 1'-0"
 NOTE:
 1. ALTERNATE BID 1 IS NOT IN CONTRACT.

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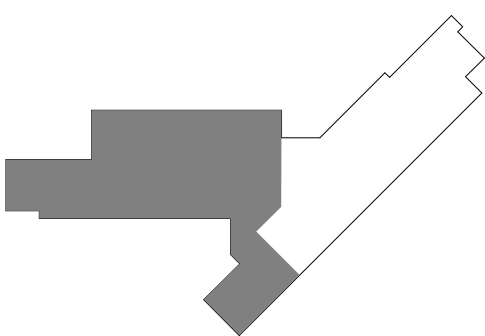
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
**ISSUED FOR
 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**LEVEL 2 PLAN - WEST
 - POWER**

SHEET NUMBER:

E2.21

GENERAL SHEET NOTES

- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
- REFER TO SHEETS E8.00 AND E8.01 FOR ELECTRICAL ONE-LINE DIAGRAM.
- REFER TO SHEETS E5.10 THROUGH E5.12 FOR PANEL SCHEDULES.
- REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
- REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
- REFER TO E5.02 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

KEYNOTES (E)

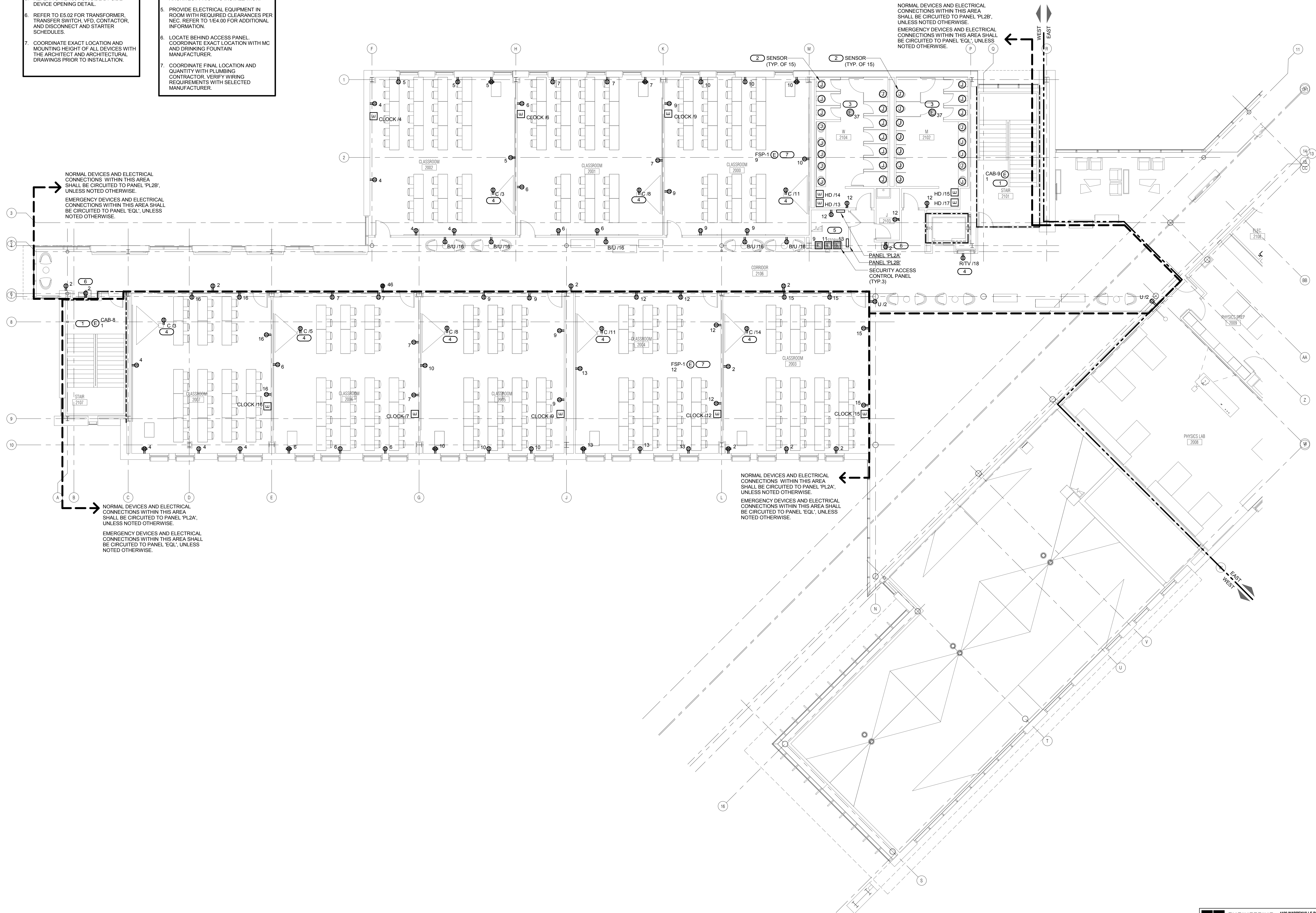
- CONNECT TO MANUFACTURER PROVIDED DISCONNECT / CONTROLLER.
- CONNECT TO TRANSFORMER(S) FOR LOW VOLTAGE PLUMBING SENSORS IN AN ACCESSIBLE LOCATION ABOVE THE CEILING. COORDINATE QUANTITY OF TRANSFORMERS AND ROUGH-IN LOCATIONS.
- SENSOR TRANSFORMER(S). COORDINATE QUANTITY AND LOCATION.
- COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- PROVIDE ELECTRICAL EQUIPMENT IN ROOM WITH REQUIRED CLEARANCES PER NEC. REFER TO 1/E4.00 FOR ADDITIONAL INFORMATION.
- LOCATE BEHIND ACCESS PANEL. COORDINATE EXACT LOCATION WITH MC AND DRINKING FOUNTAIN MANUFACTURER.
- COORDINATE FINAL LOCATION AND QUANTITY WITH PLUMBING CONTRACTOR. VERIFY WIRING REQUIREMENTS WITH SELECTED MANUFACTURER.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL2B', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EOL', UNLESS NOTED OTHERWISE.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL2A', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EOL', UNLESS NOTED OTHERWISE.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL2A', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EOL', UNLESS NOTED OTHERWISE.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL2B', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EOL', UNLESS NOTED OTHERWISE.



LEVEL 2 PLAN - WEST - POWER

1/8" = 1'-0"

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 Illinois Design Firm Registration #14-005-0073

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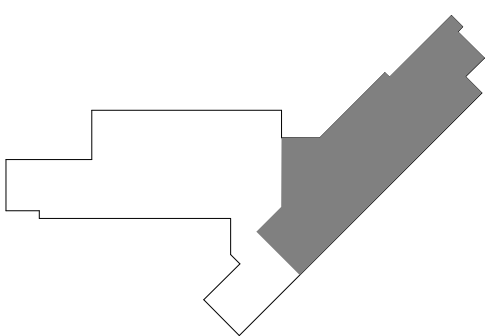
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 2 PLAN - EAST - POWER

SHEET NUMBER:

E2.22

GENERAL SHEET NOTES

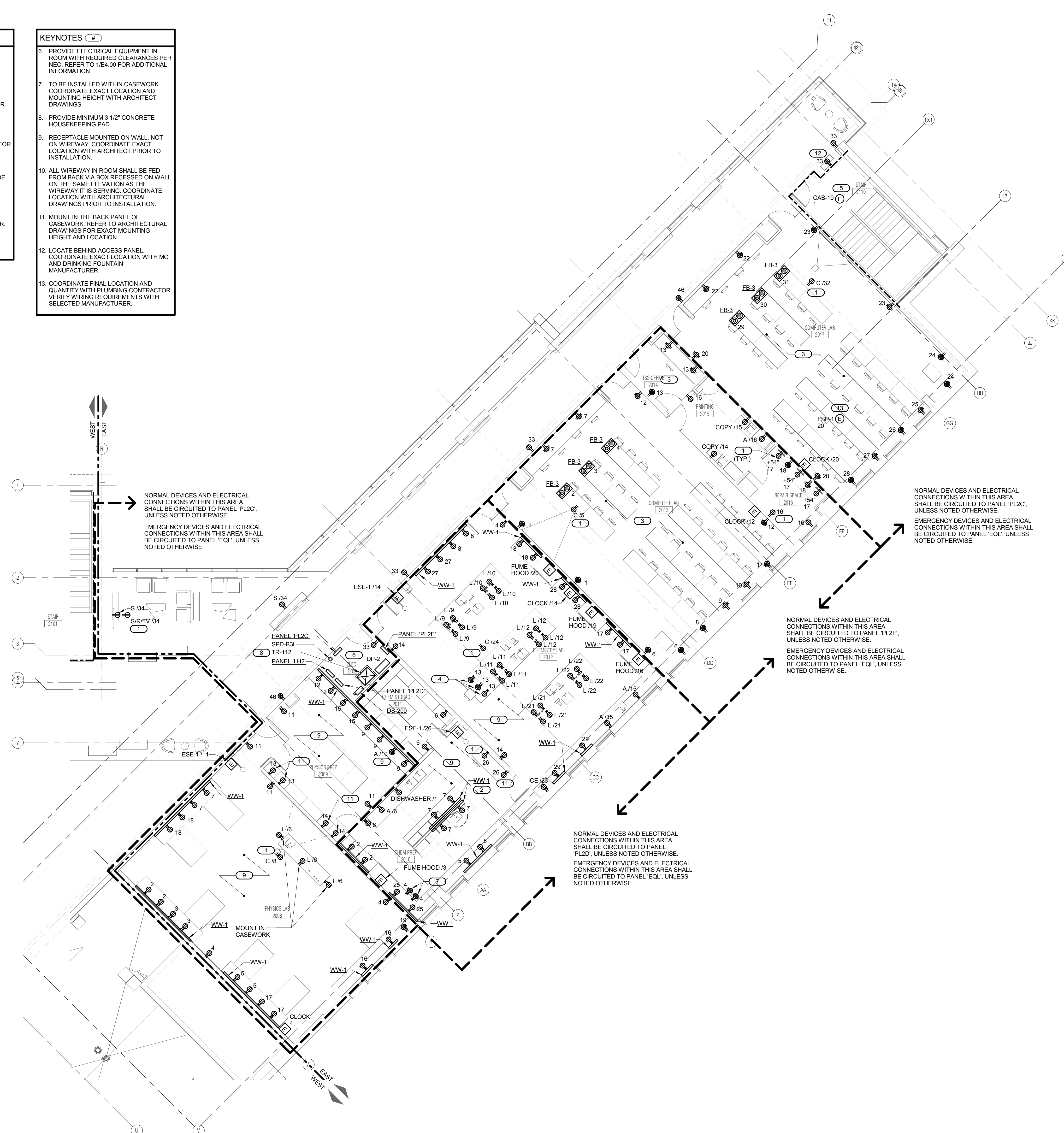
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
- REFER TO SHEETS E8.00 AND E8.01 FOR ELECTRICAL ONE-LINE DIAGRAM.
- REFER TO SHEETS E5.10 THROUGH E5.12 FOR PANEL SCHEDULES.
- REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
- REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
- REFER TO E5.02 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

KEYNOTES (C#)

- COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- ROUTE BRANCH CIRCUIT AND WIRE FROM LAB BENCHES TO ABOVE THE ACCESSIBLE CEILING. REFER TO ARCHITECTURAL EQUIPMENT DETAILS FOR ADDITIONAL INFORMATION. COORDINATE MOUNTING HEIGHT PRIOR TO ROUGH-IN.
- 50% OF RECEPTACLES WITHIN ROOM SHALL BE CONTROLLED BY THE VACANCY SENSOR SERVING THE ROOM. REFER TO 1/E4.02 AND 2/E4.02 FOR CONTROLLED RECEPTACLE WIRING DIAGRAM AND ADDITIONAL REQUIREMENTS.
- INSTALL DUPLEX RECEPTACLE OUTSIDE OF CABINET. INSTALL QUAD RECEPTACLES INSIDE OF CABINET. COORDINATE EXACT LOCATION WITH MILLWORK SUPPLIER.
- CONNECT TO MANUFACTURER PROVIDED DISCONNECT / CONTROLLER.

KEYNOTES (C#)

- PROVIDE ELECTRICAL EQUIPMENT IN ROOM WITH REQUIRED CLEARANCES PER NEC. REFER TO 1/E4.00 FOR ADDITIONAL INFORMATION.
- TO BE INSTALLED WITHIN CASEWORK. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT DRAWINGS.
- PROVIDE MINIMUM 3 1/2" CONCRETE HOUSEKEEPING PAD.
- RECEPTACLE MOUNTED ON WALL, NOT ON WIREWAY. COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
- ALL WIREWAY IN ROOM SHALL BE FED FROM BACK VIA BOX RECESSED ON WALL ON THE SAME ELEVATION AS THE WIREWAY IT IS SERVING. COORDINATE LOCATION WITH ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.
- MOUNT IN THE BACK PANEL OF CASEWORK. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT MOUNTING HEIGHT AND LOCATION.
- LOCATE BEHIND ACCESS PANEL. COORDINATE EXACT LOCATION WITH MC AND DRINKING FOUNTAIN MANUFACTURER.
- COORDINATE FINAL LOCATION AND QUANTITY WITH PLUMBING CONTRACTOR. VERIFY WIRING REQUIREMENTS WITH SELECTED MANUFACTURER.



NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL2C', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL2C', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL2E', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.

NORMAL DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'PL2D', UNLESS NOTED OTHERWISE.
 EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS AREA SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.

1 LEVEL 2 PLAN - EAST - POWER
 1/8" = 1'-0"

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 DESIGN FIRM REGISTRATION #14-005-0073

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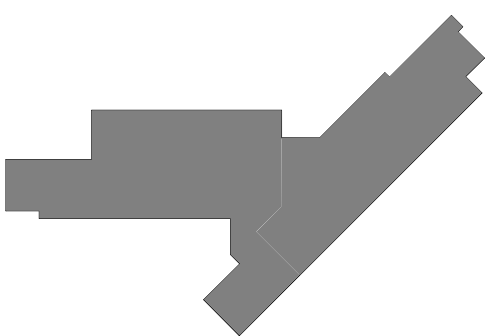
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JOLIET JUNIOR COLLEGE
ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

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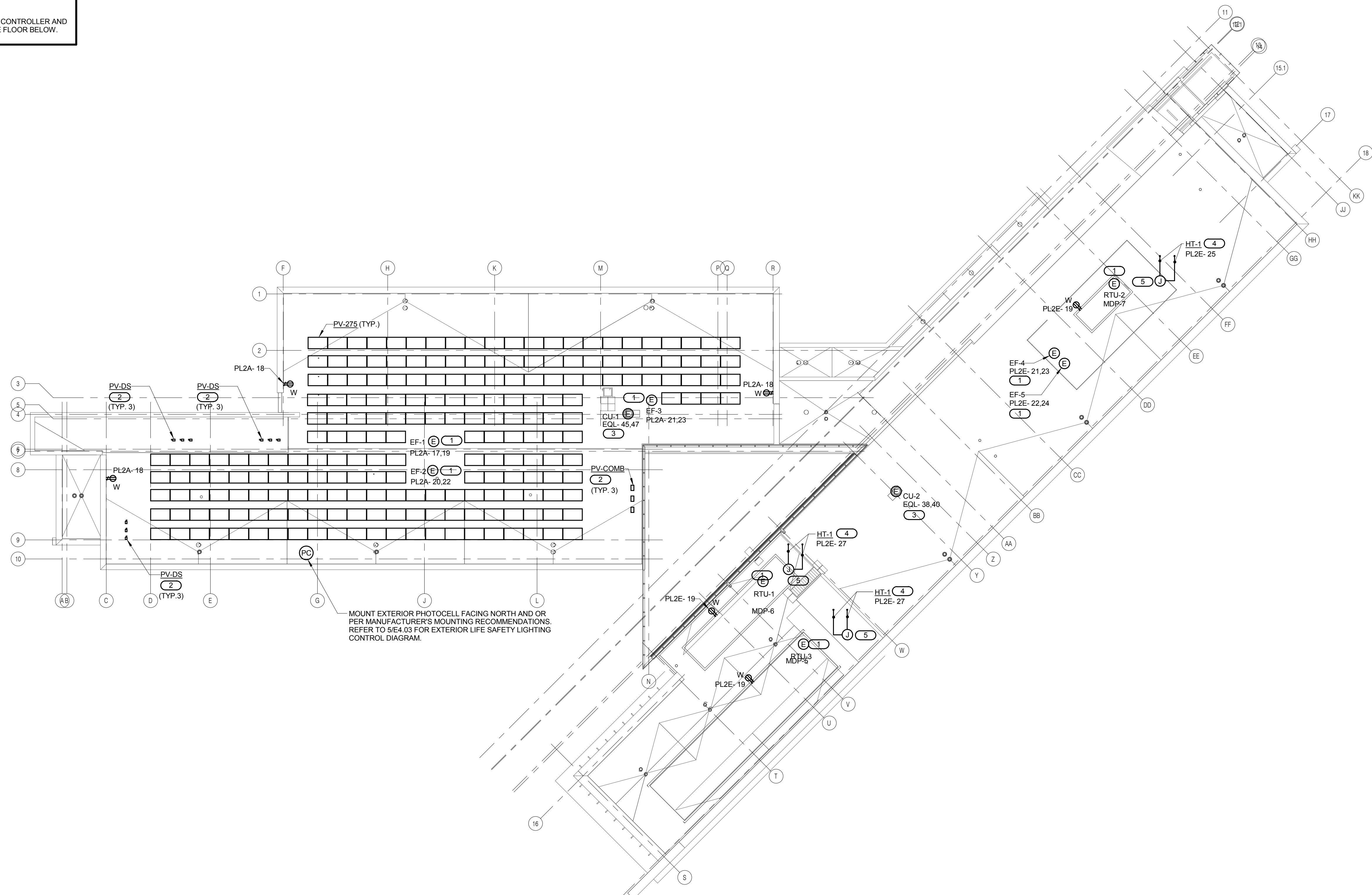
SHEET TITLE:
OVERALL ROOF PLAN - ELECTRICAL

SHEET NUMBER:

E2.30

- GENERAL SHEET NOTES**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
 - REFER TO SHEETS E8.00 AND E8.01 FOR ELECTRICAL ONE-LINE DIAGRAM.
 - REFER TO SHEETS E5.10 THROUGH E5.12 FOR PANEL SCHEDULES.
 - REFER TO 31E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
 - REFER TO E5.02 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.
 - REFER TO 11E4.02 FOR GRID-TIE STRING INVERTER SYSTEM ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION ON THE PV SYSTEM.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

- KEYNOTES (E)**
- CONNECT TO MANUFACTURER PROVIDED DISCONNECT / CONTROLLER.
 - SELF-SUPPORT DISCONNECT AND COMBINER BOX WITH STEEL CHANNELS. PRIME AND PAINT STEEL CHANNELS.
 - CONNECT CONDENSING UNIT TO COMPUTER ROOM UNIT IN IT ROOM. CONNECT TO MANUFACTURER PROVIDED DISCONNECT. COORDINATE WIRING AND FINAL ELECTRICAL REQUIREMENTS WITH SELECTED MANUFACTURER.
 - INSTALL HEAT TRACE IN FULL LENGTH OF ROOFTOP UNIT HEAT EXCHANGER CONDENSATE LINE ON ROOF TO THE FLOOR BELOW. COORDINATE FULL LENGTH WITH M.C. INSTALL ALL EQUIPMENT AND INSTALLATION AS REQUIRED PER MANUFACTURER'S RECOMMENDATION.
 - INSTALL HEAT TRACE CONTROLLER AND JUNCTION BOX IN THE FLOOR BELOW.



MOUNT EXTERIOR PHOTOCELL FACING NORTH AND OR PER MANUFACTURER'S MOUNTING RECOMMENDATIONS. REFER TO S/E4.03 FOR EXTERIOR LIFE SAFETY LIGHTING CONTROL DIAGRAM.

1 OVERALL ROOF PLAN - ELECTRICAL
 1/16" = 1'-0"

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 Illinois Design Firm Registration #184-08073

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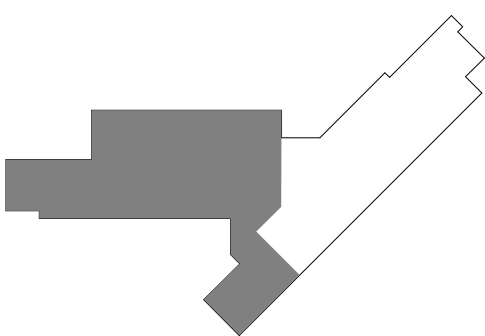
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - WEST - SYSTEMS

SHEET NUMBER:

E3.11

GENERAL SHEET NOTES

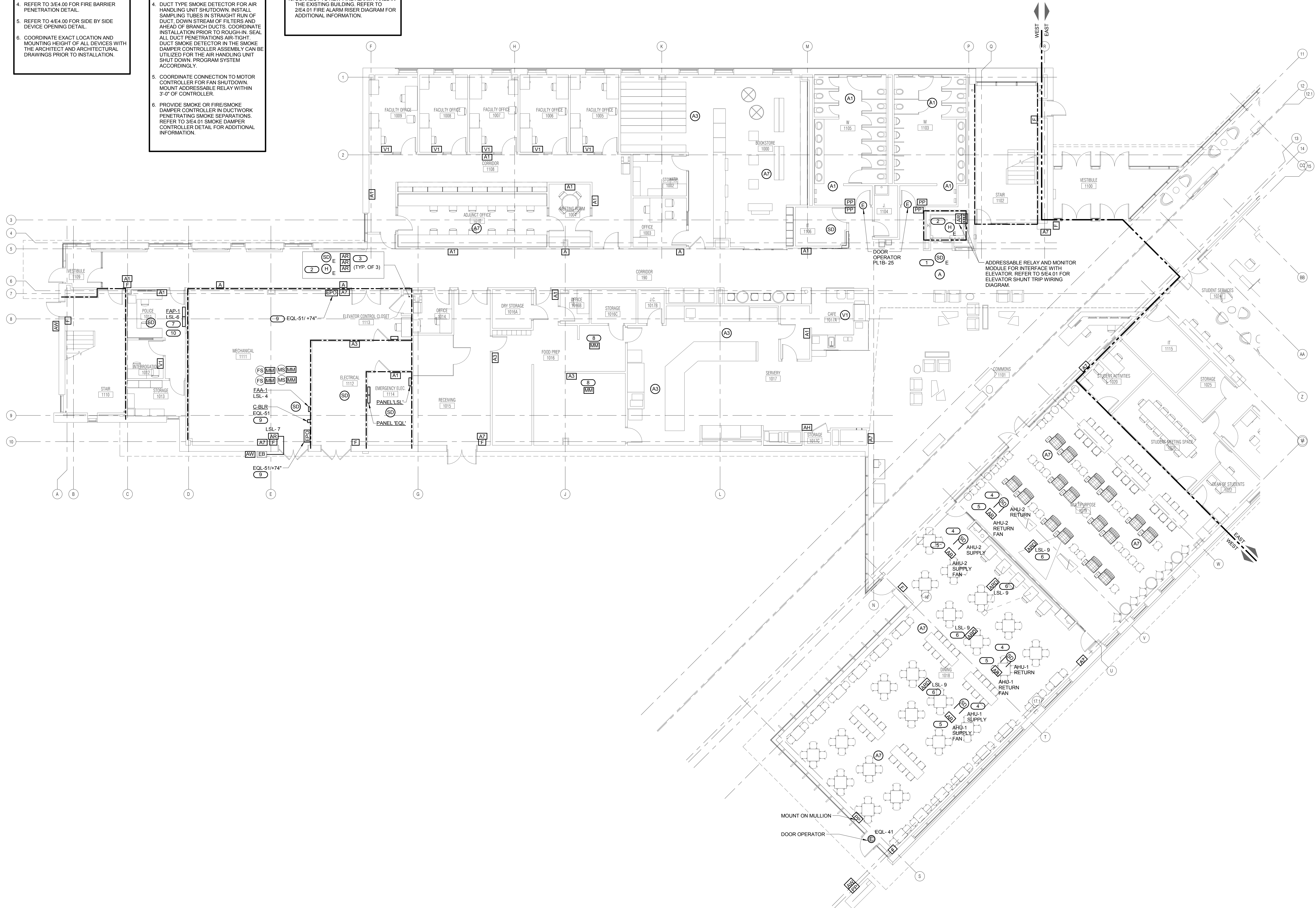
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
- REFER TO SHEET 1/E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2/E4.01 FOR FIRE ALARM RISER DIAGRAM.
- REFER TO SHEETS E5.10 THROUGH E5.12 FOR PANEL SCHEDULES.
- REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
- REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

KEYNOTES (C#)

- LOCATE SMOKE DETECTOR WITHIN 9'-0" OF ELEVATOR DOOR.
- LOCATE HEAT DETECTOR WITHIN 2'-0" OF SPRINKLER HEAD.
- PROVIDE THREE (3) FIRE ALARM RELAYS FOR ELEVATOR. RELAYS ARE FOR DESIGNATED FLOOR RECALL, ALTERNATE FLOOR RECALL, AND ELEVATOR EQUIPMENT ROOM UNSAFE ALARM.
- DUCT TYPE SMOKE DETECTOR FOR AIR HANDLING UNIT SHUTDOWN. INSTALL SAMPLING TUBES IN STRAIGHT RUN OF DUCT, DOWN STREAM OF FILTERS AND AHEAD OF BRANCH DUCTS. COORDINATE INSTALLATION PRIOR TO ROUGH-IN. SEAL ALL DUCT PENETRATIONS AIR-TIGHT. DUCT SMOKE DETECTOR IN THE SMOKE DAMPER CONTROLLER ASSEMBLY CAN BE UTILIZED FOR THE AIR HANDLING UNIT SHUT DOWN PROGRAM SYSTEM ACCORDINGLY.
- COORDINATE CONNECTION TO MOTOR CONTROLLER FOR FAN SHUTDOWN. MOUNT ADDRESSABLE RELAY WITHIN 3'-0" OF CONTROLLER.
- PROVIDE SMOKE OR FIRESMOKE DAMPER CONTROLLER IN DUCTWORK PENETRATING SMOKE SEPARATIONS. REFER TO 3/E4.01 SMOKE DAMPER CONTROLLER DETAIL FOR ADDITIONAL INFORMATION.

KEYNOTES (C#)

- VCC-1 SHALL BE LOCATED WITHIN THE MAIN FIRE ALARM PANEL.
- PROVIDE MONITOR MODULE ABOVE ACCESSIBLE CEILING FOR CONNECTION OF FIRE PROTECTION SYSTEM TO FIRE ALARM SYSTEM.
- REFER TO 4/E4.01 FOR BOILER SHUTDOWN CONTROL DIAGRAM.
- CONNECT TO NEW FIRE ALARM PANEL IN THE EXISTING BUILDING. REFER TO 2/E5.01 FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.



LEVEL 1 PLAN - WEST - SYSTEMS
 1/8" = 1'-0"

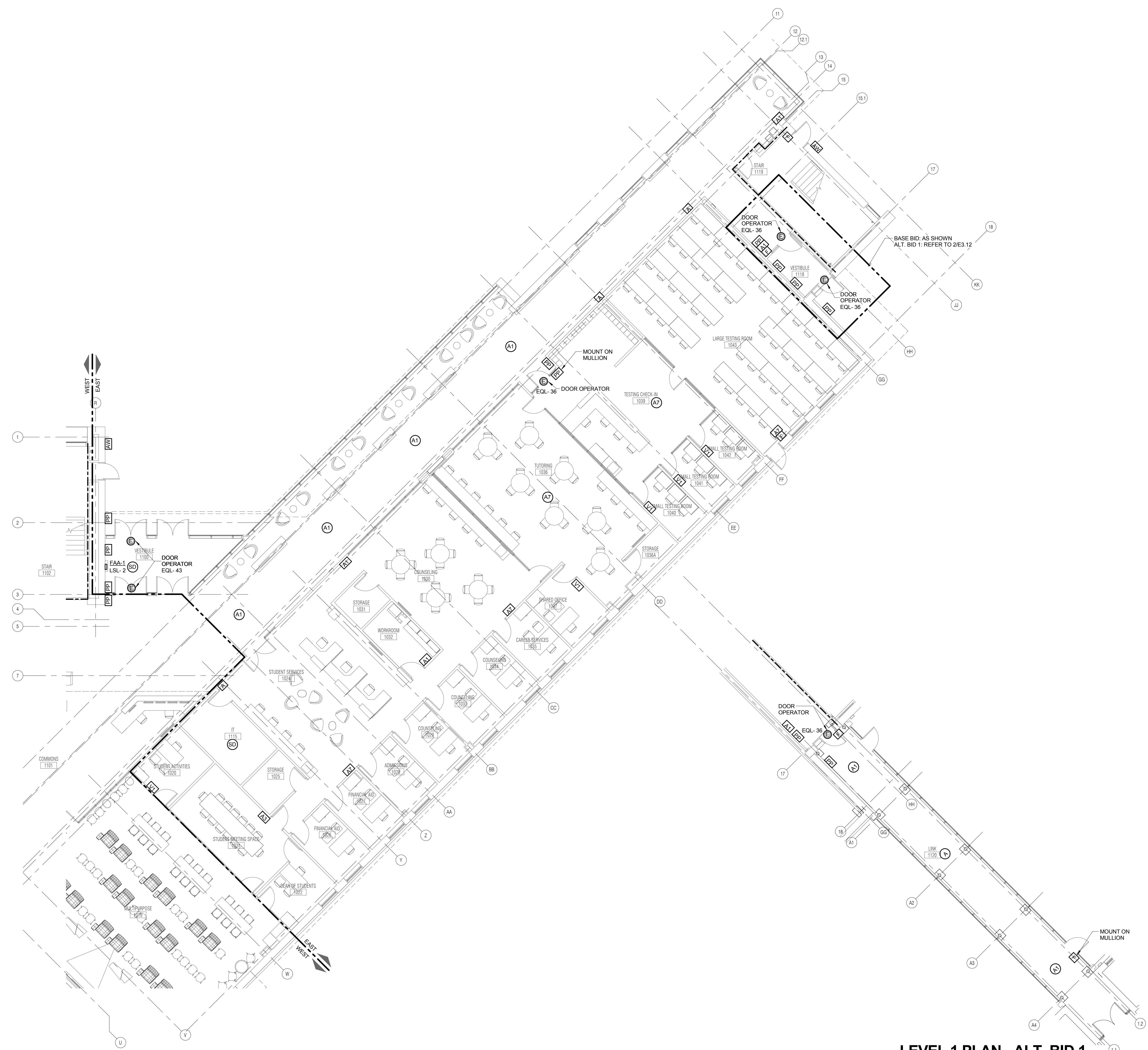
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 - REFER TO SHEET 1/E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2/E4.01 FOR FIRE ALARM RISER DIAGRAM.
 - REFER TO SHEETS E5.10 THROUGH E5.12 FOR PANEL SCHEDULES.
 - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
 - REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.



1 LEVEL 1 PLAN - EAST - SYSTEMS
1/8" = 1'-0"

2 LEVEL 1 PLAN - ALT. BID 1 - SYSTEMS
1/8" = 1'-0"

NOTE:
1. ALTERNATE BID 1 IS NOT IN CONTRACT.

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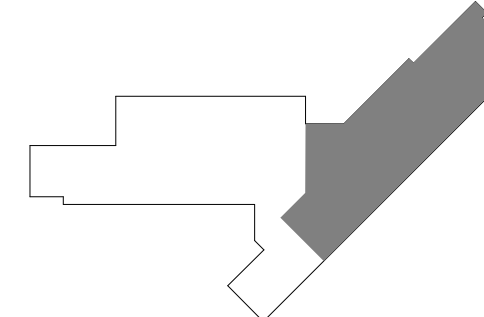
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JOLIET JUNIOR COLLEGE
ROMEDEVILLE CAMPUS EXPANSION
1125 135th ST. ROMEDEVILLE, IL 60446
DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - EAST - SYSTEMS

SHEET NUMBER:
E3.12



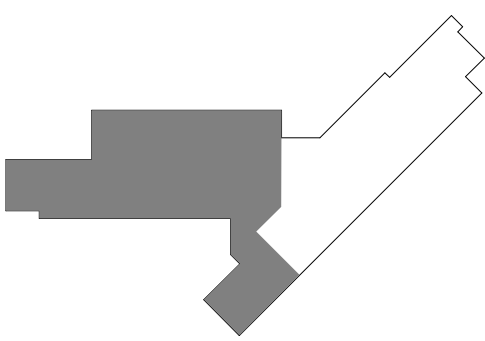
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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
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 CONSTRUCTION**

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
**LEVEL 2 PLAN - WEST
 - SYSTEMS**

SHEET NUMBER:

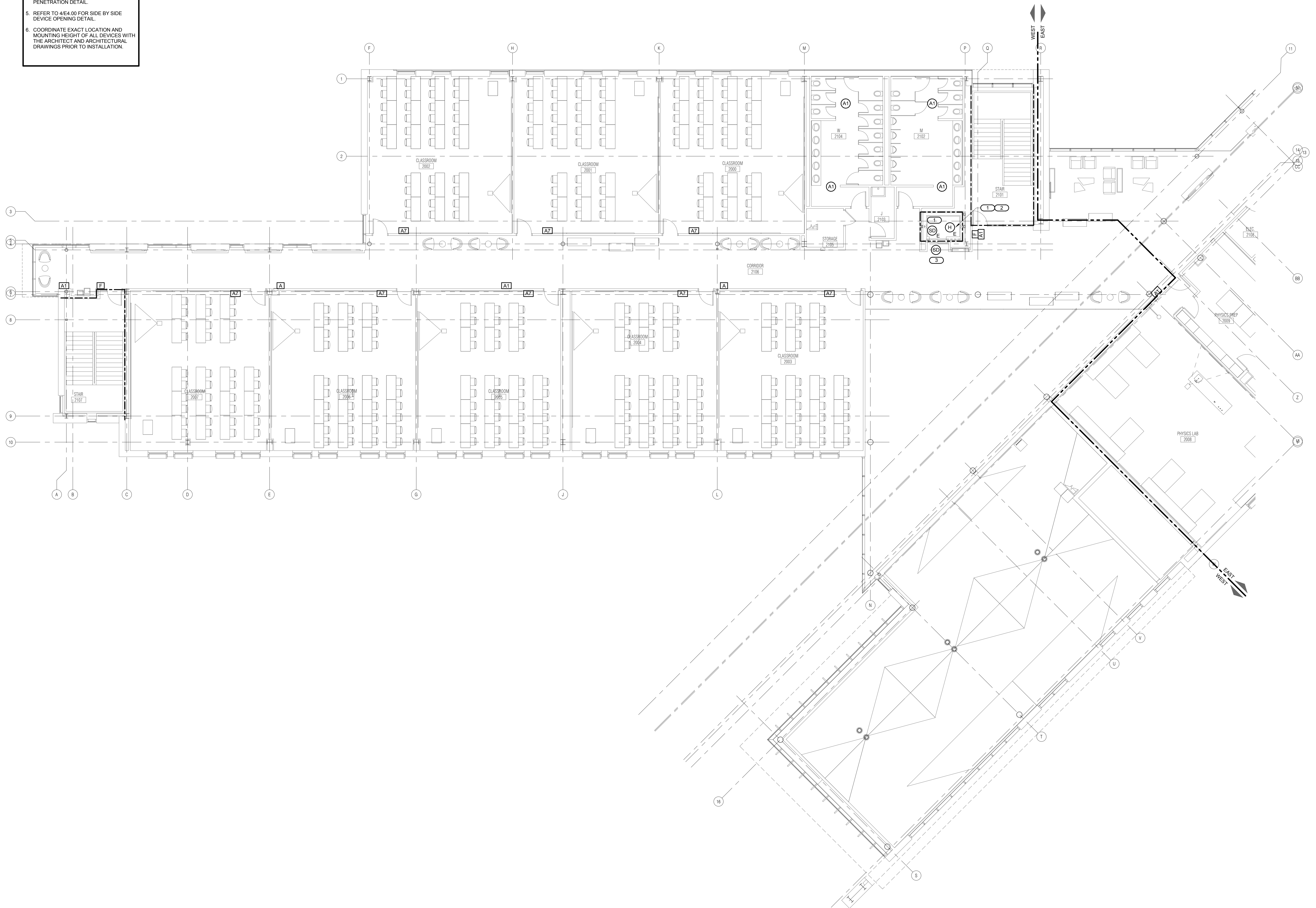
E3.21

GENERAL SHEET NOTES

- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
- REFER TO SHEET 1/E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2/E4.01 FOR FIRE ALARM RISER DIAGRAM.
- REFER TO SHEETS E5.10 THROUGH E5.12 FOR PANEL SCHEDULES.
- REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
- REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
- COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

KEYNOTES

- LOCATE AT THE TOP OF SHAFT.
- LOCATE HEAT DETECTOR WITHIN 2'-0" OF SPRINKLER HEAD.
- LOCATE SMOKE DETECTOR WITHIN 5'-0" OF ELEVATOR DOOR.



LEVEL 2 PLAN - WEST - SYSTEMS

1/8" = 1'-0"

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 THE FIRM'S REGISTERED PROFESSIONAL ENGINEER:
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 Illinois Design Firm Registration #14-00073

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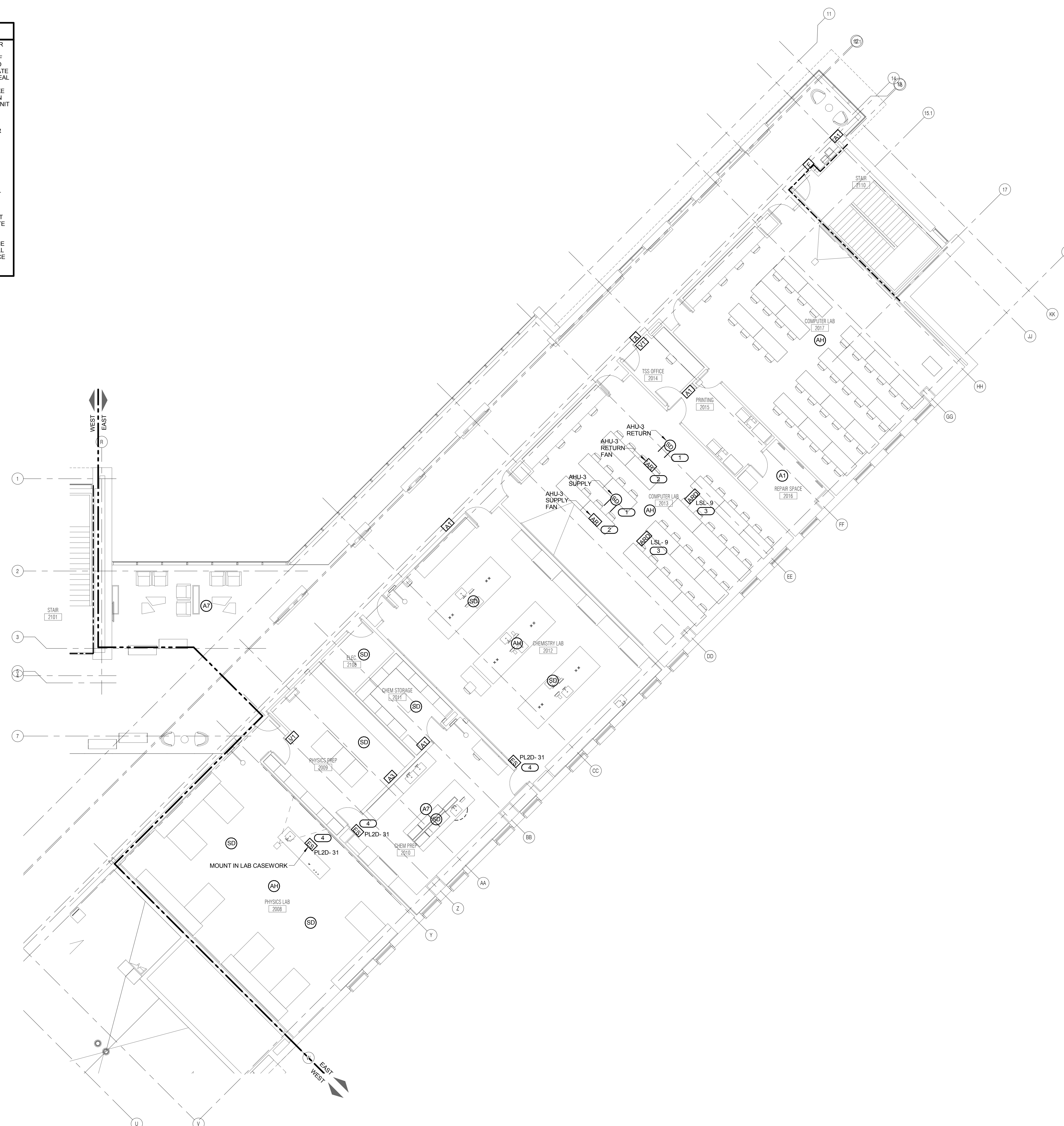
REFERENCE SCALE IN INCHES

GENERAL SHEET NOTES

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2. REFER TO SHEET 1/E4.01 FOR FIRE ALARM OPERATION MATRIX AND 2/E4.01 FOR FIRE ALARM RISER DIAGRAM.
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4. REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
5. REFER TO 4/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
6. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

KEYNOTES (E#)

1. DUCT TYPE SMOKE DETECTOR FOR AIR HANDLING UNIT SHUTDOWN. INSTALL SAMPLING TUBES IN STRAIGHT RUN OF DUCT, DOWN STREAM OF FILTERS AND AHEAD OF BRANCH DUCTS. COORDINATE INSTALLATION PRIOR TO ROUGH-IN. SEAL ALL DUCT PENETRATIONS AIR-TIGHT. DUCT SMOKE DETECTOR IN THE SMOKE DAMPER CONTROLLER ASSEMBLY CAN BE UTILIZED FOR THE AIR HANDLING UNIT SHUT DOWN. PROGRAM SYSTEM ACCORDINGLY.
2. COORDINATE CONNECTION TO MOTOR CONTROLLER FOR FAN SHUTDOWN. MOUNT ADDRESSABLE RELAY WITHIN 3'-0" OF CONTROLLER.
3. PROVIDE SMOKE OR FIRE/SMOKE DAMPER CONTROLLER IN DUCTWORK PENETRATING SMOKE SEPARATIONS. REFER TO 3/E4.01 SMOKE DAMPER CONTROLLER DETAIL FOR ADDITIONAL INFORMATION. COORDINATE EXACT LOCATION WITH M.C.
4. EMERGENCY GAS SHUT OFF. CONNECT TO GAS SOLENOID VALVE. COORDINATE LOCATION OF SOLENOID VALVE WITH M.C. WIRE ALL THE THREE SHUT OFF SWITCHES IN SERIES SO THAT ANY ONE OF THE SWITCHES IS ACTIVATED SHALL SHUT OFF GAS TO THE ENTIRE SCIENCE AREA.



1 LEVEL 2 PLAN - EAST - SYSTEMS
1/8" = 1'-0"

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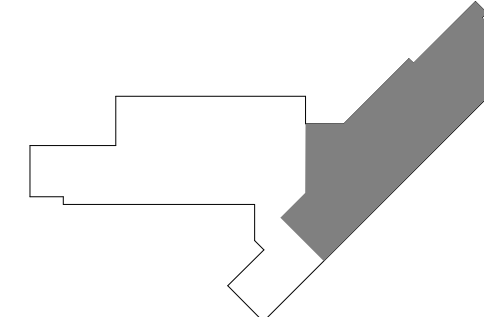
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JOLIET JUNIOR COLLEGE
ROMEDEVILLE CAMPUS EXPANSION
1125 135th ST. ROMEDEVILLE, IL 60446
DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 2 PLAN - EAST - SYSTEMS

SHEET NUMBER:
E3.22

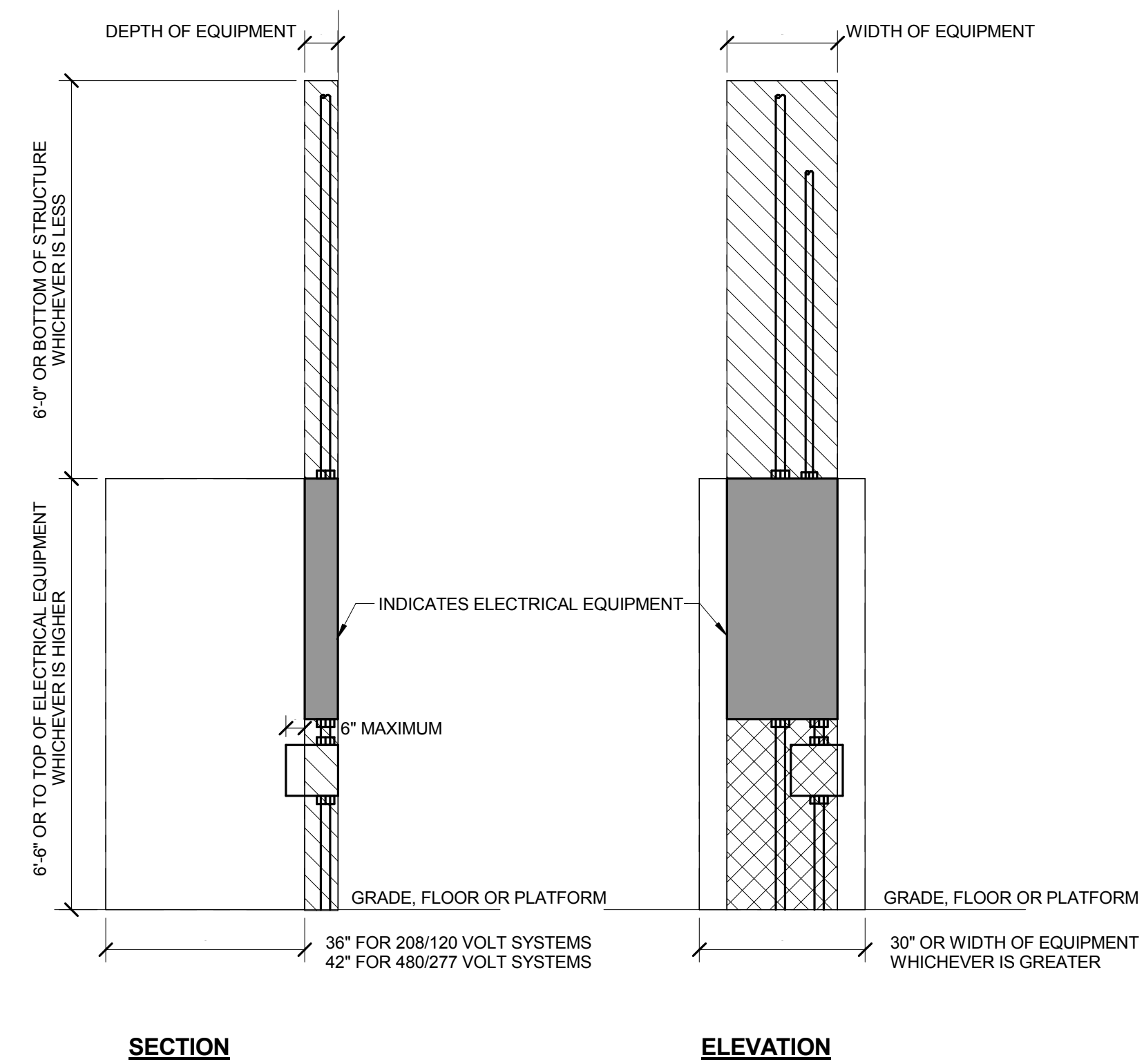


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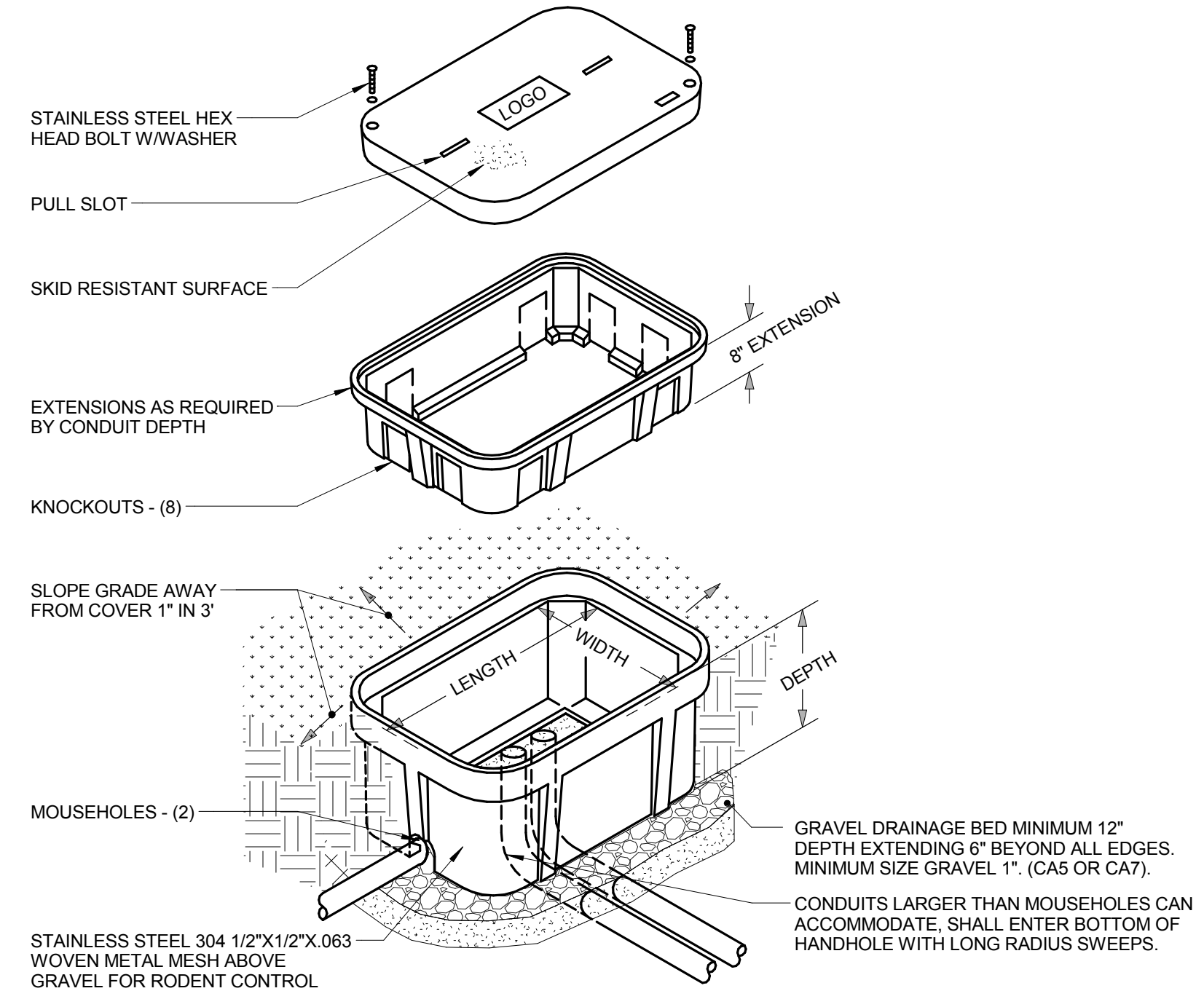
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ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005



1 ELECTRICAL EQUIPMENT CLEARANCES

NO SCALE

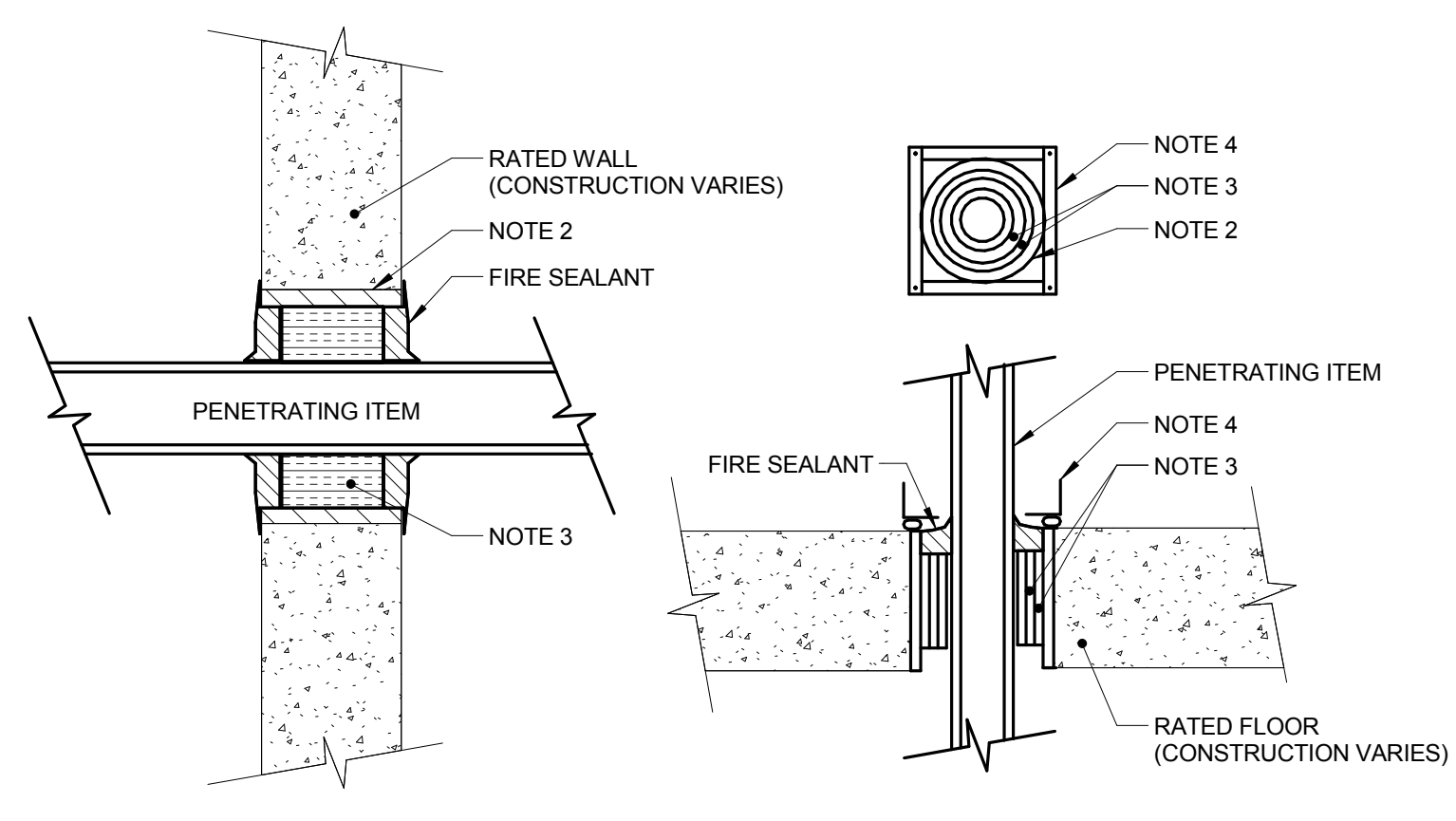
- INDICATES WORKING SPACE REQUIRED PER NEC. ELECTRICAL EQUIPMENT LOCATED ABOVE OR BELOW OTHER RELATED EQUIPMENT SHALL NOT EXTEND MORE THAN 6\"/>
- INDICATES DEDICATED ELECTRICAL SPACE REQUIRED PER NEC.



2 EXTERIOR HANDHOLE DETAIL

NO SCALE

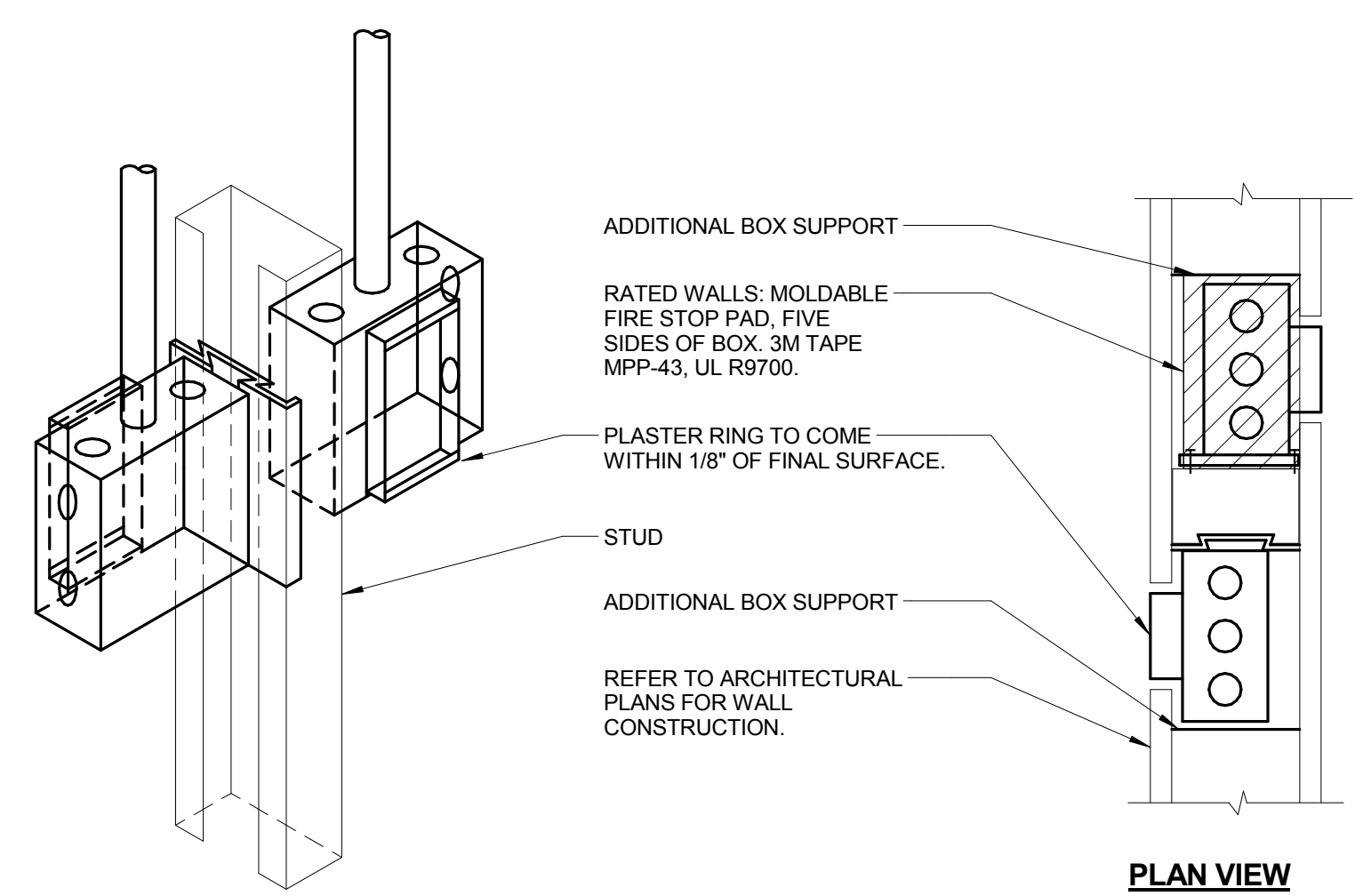
- NOTES:
1. ANY SPLICES OR DEVICES IN HANDHOLE SHALL BE SUBMERSIBLE.
 2. SEAL ALL CONDUIT ENDS WITH DUCTSEAL.



3 FIRE BARRIER PENETRATION

NO SCALE

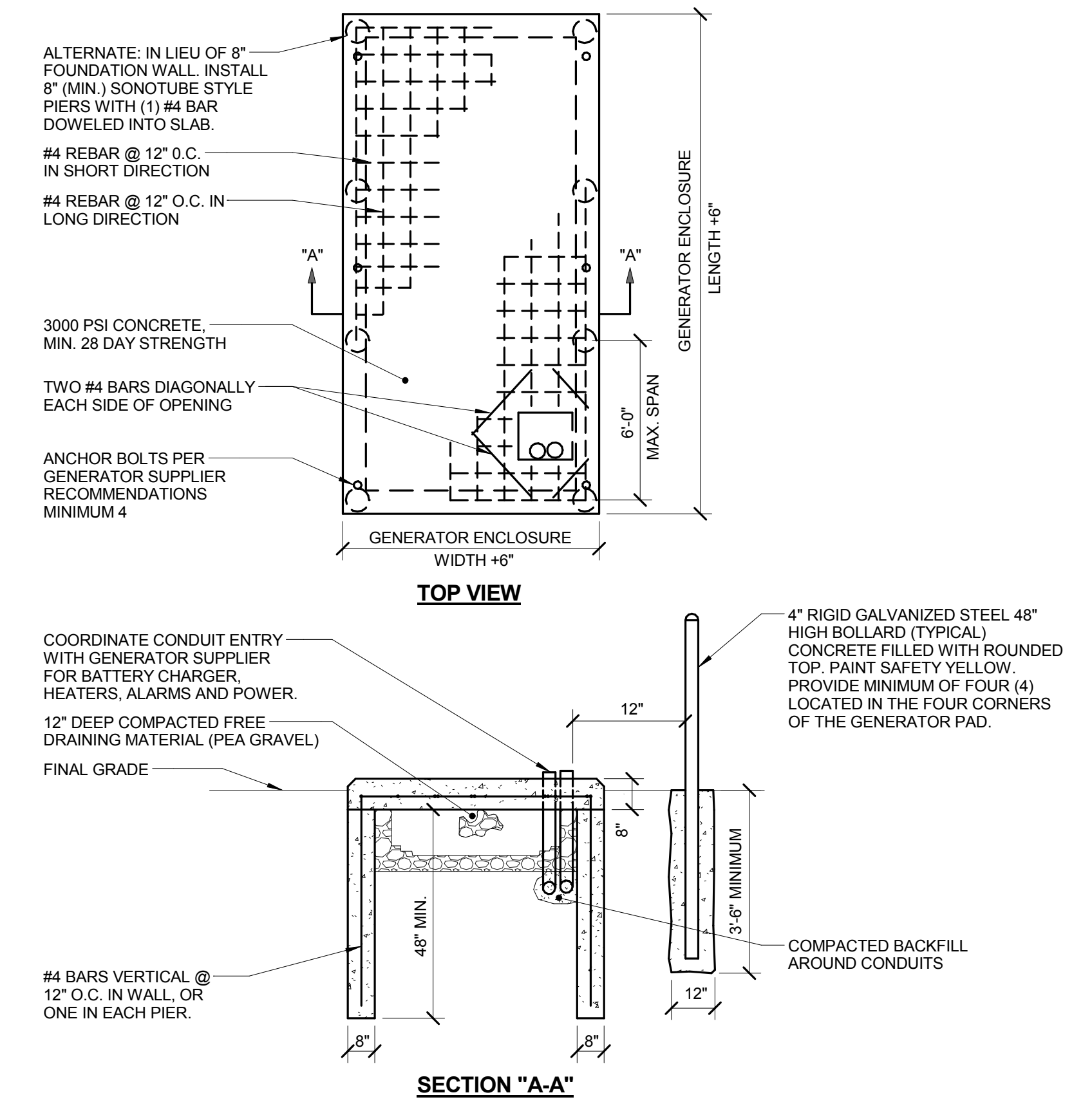
- NOTES:
1. THIS GENERAL DETAIL APPLIES TO ALL ITEMS PENETRATING FIRE RATED WALLS OR FLOORS. THE INTENT IS TO MAINTAIN THE FIRE RATING AND TO ALLOW LONGITUDINAL MOVEMENT. REFER TO SPECIFICATION SECTION 26 05 03 FOR SELECTION OF THROUGH PENETRATION FIRE STOPPING.
 2. SCHEDULE 5 PIPE SLEEVE EMBEDDED IN WALL OR FLOOR, OR SMOOTH CORE DRILL. EACH CONTRACTOR FURNISHES SLEEVE TO G.C., COORDINATES SLEEVE LOCATIONS AND DEBURS SLEEVE. G.C. BUILDS SLEEVE INTO WALL OR FLOOR ALLOWING NO GAP AROUND SLEEVE. IF SLEEVE IS NOT PROVIDED WHEN WALL OR FLOOR IS BUILT, CONTRACTOR SHALL INSTALL SLEEVE. SLEEVE SIZE SHALL ALLOW ANNULAR SPACE REQUIRED BY THE SELECTED FIRE STOP SYSTEM.
 3. INSTALL BACKING MATERIAL, SUCH AS MINERAL WOOL SAFING, AS REQUIRED FOR FIRE STOP SYSTEM. INSTALL IN ACCORDANCE WITH FIRE STOP SYSTEM APPLICATION LISTING. SECURE TO WALL OR FLOOR TO ALLOW LONGITUDINAL MOVEMENT OF PENETRATING ITEM WITHOUT MOVEMENT OF FIRE BARRIER.
 4. WATER-TIGHT WELDED 1"x1" 20 GAUGE MINIMUM GALVANIZED SHEET METAL ANGLE FRAME. BY CONTRACTOR IN EQUIPMENT ROOMS FOR WATER STOP. PLACE A BEAD OF WATERPROOF SEALANT BETWEEN FLOOR AND BOTTOM OF ANGLE FRAME. SECURE TO FLOOR WITH MASONRY ANCHORS IN CORNERS AND ON 12" MAXIMUM CENTERS. MULTIPLE PENETRATING ITEMS MAY BE ENCLOSED IN ONE FRAME.



4 SIDE BY SIDE DEVICE OPENINGS

NO SCALE

- NOTES:
1. HORIZONTAL CONDUIT CONNECTION BETWEEN BOXES LESS THAN 2-0\"/>



5 GENERATOR PAD DETAIL

NO SCALE

- NOTES:
1. COORDINATE PAD DIMENSIONS WITH GENERATOR SUPPLIER PRIOR TO START OF CONSTRUCTION.

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 Design Firm Registration #14-08873

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 0 1 2 3

KEY PLAN:

SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ELECTRICAL DETAILS

SHEET NUMBER:
E4.00



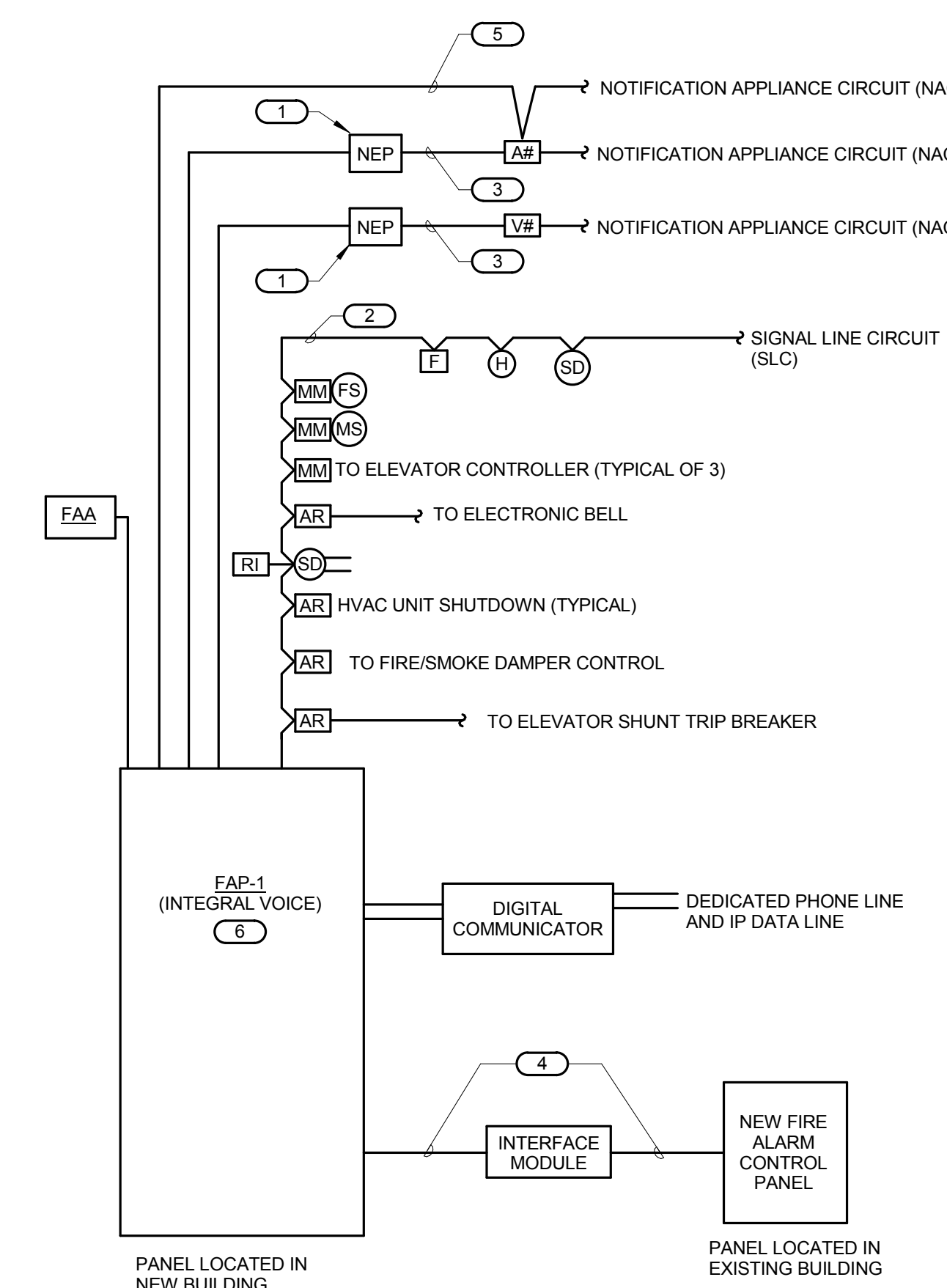
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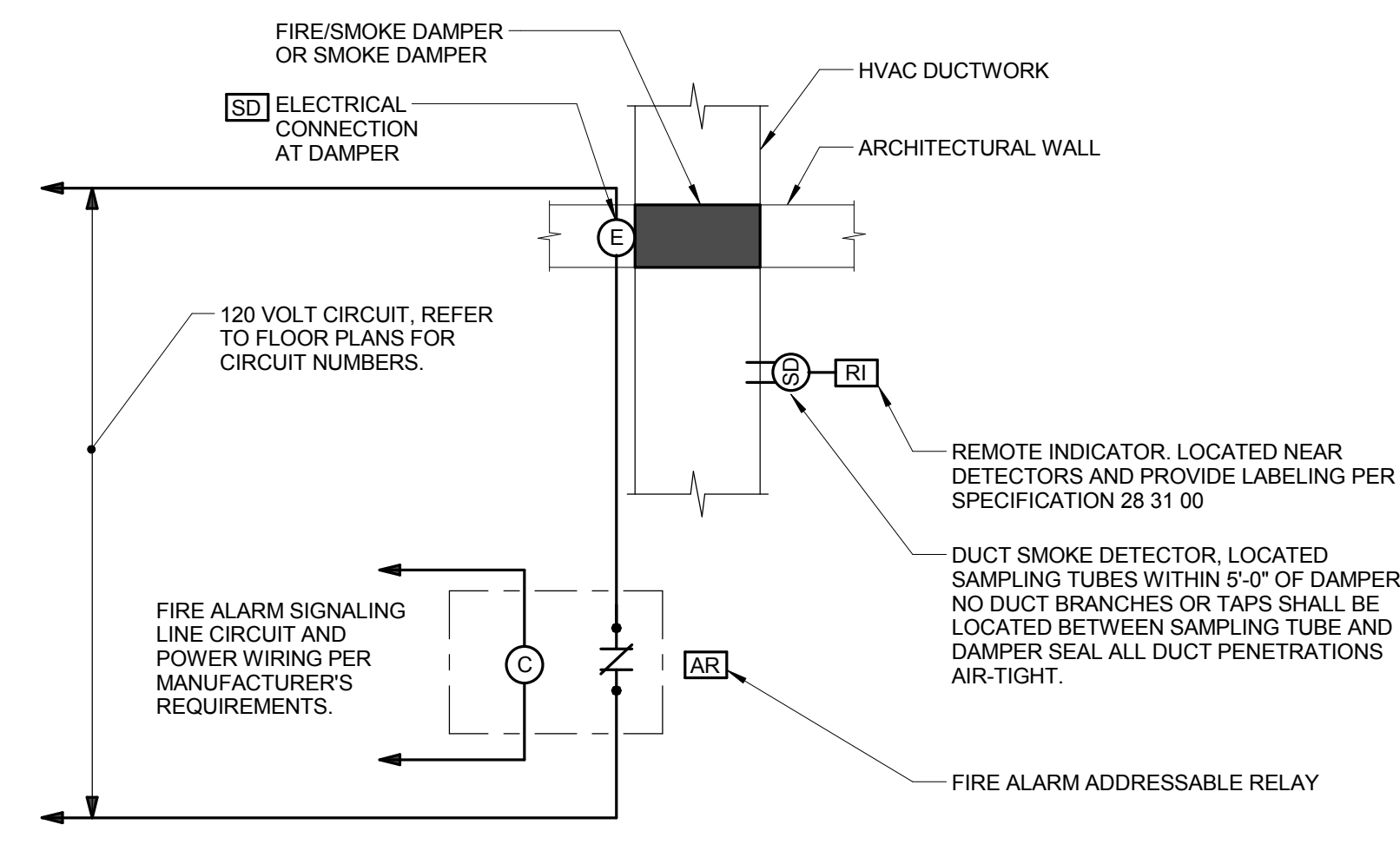
SEQUENCE OF OPERATION	PANEL/ANNUNCIATOR ALARM INDICATION	PANEL/ANNUNCIATOR SUPERVISORY INDICATION	PANEL/ANNUNCIATOR TROUBLE INDICATION	DOUBLE ALARMS SEQUENCE	VISUAL ALARMS SEQUENCE	ELECTRIC SPRINKLER BELL SEQUENCE	SMOKE DAMPER CONTROL SEQUENCE	AHU SHUTDOWN SEQUENCE	ELEVATOR RECALL SEQUENCE	ELEVATOR SHUT DOWN SEQUENCE
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL LOW BATTERY	X									
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL BATTERY OR CHARGER FAILURE		X								
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL ABNORMAL SWITCH OR CONTROL POSITION	X									
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL GROUND FAULT, OPEN CIRCUIT, SHORT CIRCUIT		X								
FIRE ALARM PANEL, TRANSPONDER, NAC PANEL AC POWER LOSS OR IRREGULARITY		X								
NOTIFICATION APPLIANCE CIRCUIT OR SLC LOOP GROUND FAULT, OPEN CIRCUIT, SHORT CIRCUIT		X								
INITIATING DEVICE FAILURE OR COMMUNICATION ERROR		X								
FIRE ALARM PANEL MANUAL FIRE DRILL	X			X	X					
MANUAL PULL STATION	F	X		X	X					
SMOKE DETECTOR	SD	X		X	X					
HEAT DETECTOR	H	X		X	X					
SPRINKLER SYSTEM FLOW SWITCH	FS	MM	X	X	X	X				
SPRINKLER SYSTEM MONITOR SWITCH	MS	MM		X						
SPRINKLER SYSTEM CABINET MONITOR	MS	MM		X						
SMOKE DETECTOR FOR HVAC CONTROL	SD		X				X	X		
SMOKE DETECTOR FOR SMOKE DAMPER CONTROL	SD	ARD	X				X	X		
SMOKE DETECTORS IN ELEVATOR LOBBIES	SD _E	X		X	X				X	
SMOKE DETECTORS IN ELEVATOR MACHINE ROOM & HOISTWAY	SD _E	X		X	X				X	
HEAT DETECTOR NEAR ELEVATOR SPRINKLERS	H _E	X		X	X					X
ELEVATOR SHUNT TRIP CIRCUIT POWER FAILURE	MM	1	X							
KITCHEN HOOD SUPPRESSION SYSTEM ACTIVATION	MM		X							



- GENERAL NOTES:**
- THE RISER DIAGRAM IS INTENDED TO CONVEY THE TYPES OF FIRE ALARM CONNECTIONS AND SPECIFICALLY DOES NOT INDICATE QUANTITIES, NUMBER OF CIRCUITS REQUIRED OR DISTANCES.
 - THE COMPLETE FIRE ALARM SYSTEM SHALL MEET ALL APPLICABLE CODES AND MANUFACTURER'S RECOMMENDATIONS.
 - CONTRACTOR SHALL COORDINATE ALL WIRE SIZES, TYPES AND REQUIREMENTS WITH THE VENDOR PRIOR TO BID. REFER TO SPECIFICATIONS TO DETERMINE CIRCUIT STYLES. FIRE ALARM WIRING SHALL BE IN CONDUIT.
 - ALL +120VAC WIRING REQUIRED FOR OPERATION OF THE SYSTEM AS DESCRIBED IN THE CONSTRUCTION DOCUMENTS SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR.
 - ALL NECESSARY RELAYS MAY NOT BE SHOWN ON THIS PLAN, BUT WHERE REQUIRED FOR PROPER OPERATION OF THE SYSTEM THEY SHALL BE PROVIDED BY THE CONTRACTOR.
- KEYNOTES:**
- PROVIDE NOTIFICATION APPLIANCE EXTENDER PANELS AS REQUIRED. DETERMINATION OF NEED TO BE MADE BY FIRE ALARM VENDOR. REFER TO SPECIFICATIONS FOR REQUIREMENTS AND ACCEPTABLE MOUNTING LOCATIONS.
 - REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH INITIATION LOOP AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
 - REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH NOTIFICATION APPLIANCE CIRCUIT AND WIRING STYLE. REFER TO FLOOR PLANS FOR DEVICES AND THEIR LOCATIONS.
 - CONNECT NEW FIRE ALARM PANEL IN THE EXISTING BUILDING TO THE PANEL IN THE NEW BUILDING. CONNECT WITH 6-STRANDS FIBER OPTIC WIRING. REFER TO TECHNOLOGY DRAWING FOR FIBER OPTIC ROUTING. COORDINATE ADDITIONAL REQUIREMENTS WITH SIMPLEX.
 - REFER TO SPECIFICATION FOR REQUIREMENTS OF EACH SPEAKER CIRCUIT AND WIRING STYLE.
 - MAIN FIRE ALARM PANEL SHALL BE PROVIDED WITH INTERNET INTERFACE.

1 FIRE ALARM OPERATION MATRIX
 NO SCALE

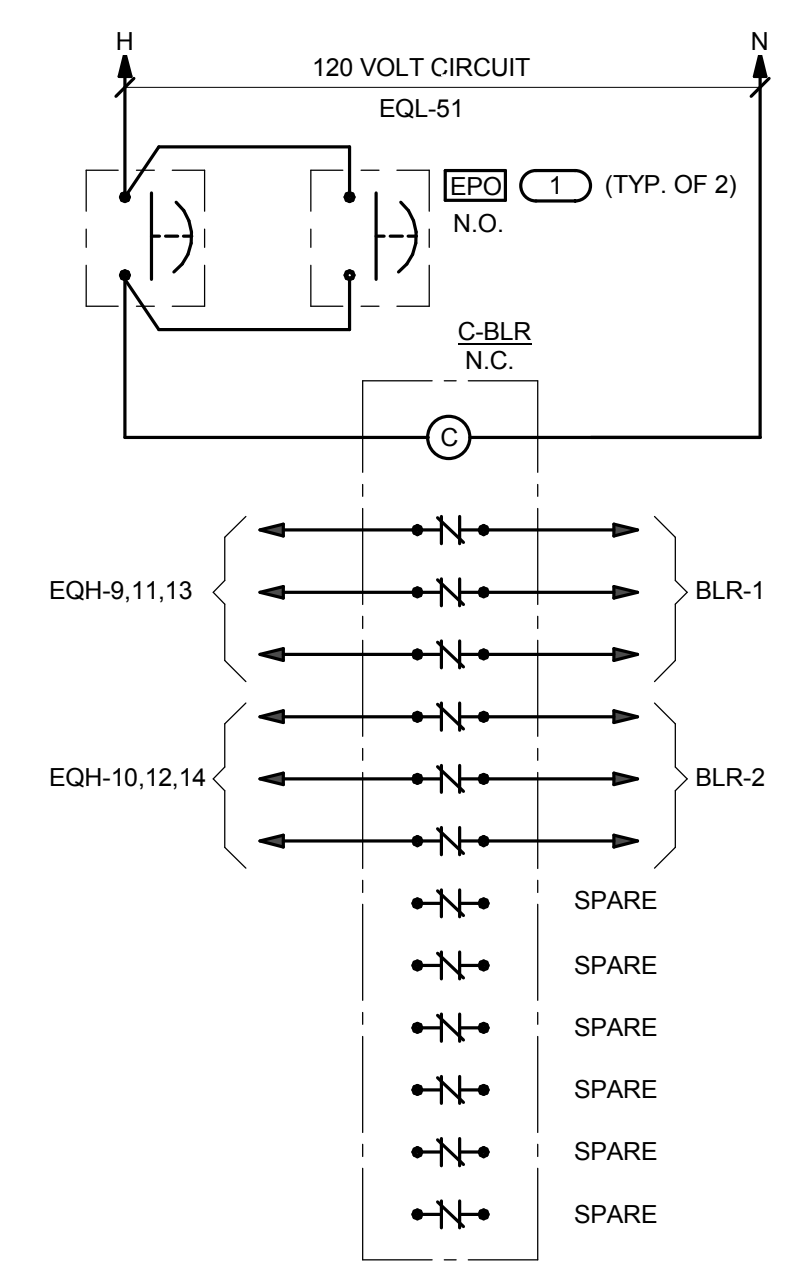
- NOTES:**
- ALL SYSTEM EVENTS SHALL BE LOGGED, PRINTED, AND DISPLAYED ON THE GRAPHICAL INTERFACE, IF APPLICABLE. REFER TO SPECIFICATIONS FOR MORE INFORMATION AND DESCRIPTIONS OF SEQUENCES OF OPERATION.
- KEYNOTES:**
- UTILIZE A GENERAL PURPOSE RELAY TO MONITOR POWER LOSS. CONNECT THE CONTACTS OF THE RELAY TO A FIRE ALARM MONITOR MODULE.



3 SMOKE DAMPER CONTROLLER
 NO SCALE

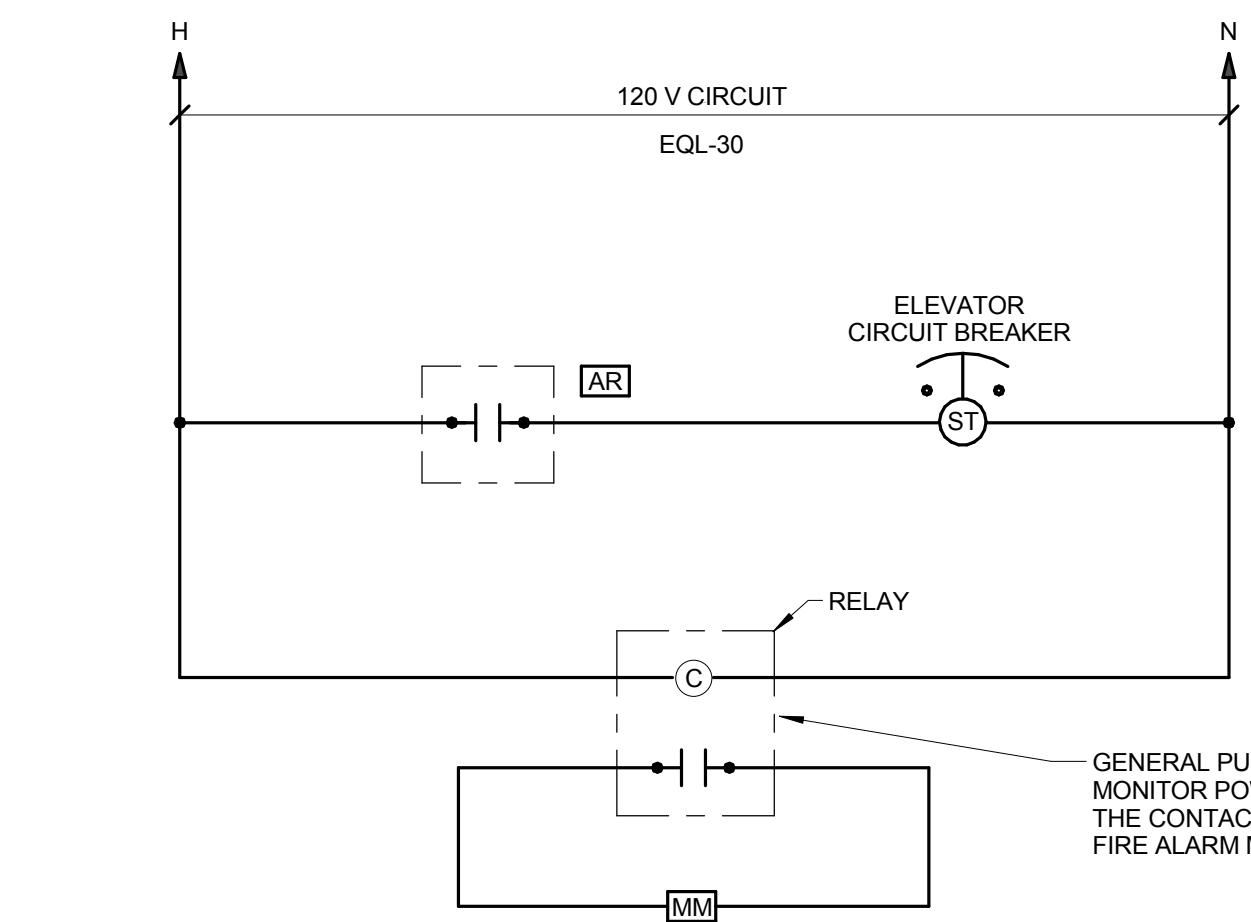
- NOTES:**
- ALL DEVICES SHOWN IN THIS DETAIL ARE TO BE PROVIDED WHERE **ARD** APPEARS ON THE DRAWINGS.

2 FIRE ALARM RISER
 NO SCALE



4 BOILER SHUT DOWN CONTROL DIAGRAM
 NO SCALE

- KEYNOTE:**
- PROVIDE ENGRAVED LABEL 'BOILER EMERGENCY SHUT OFF'.



5 ELEVATOR SHUNT TRIP WIRING DIAGRAM
 NO SCALE

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SHEET TITLE:
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SHEET NUMBER:
E4.01

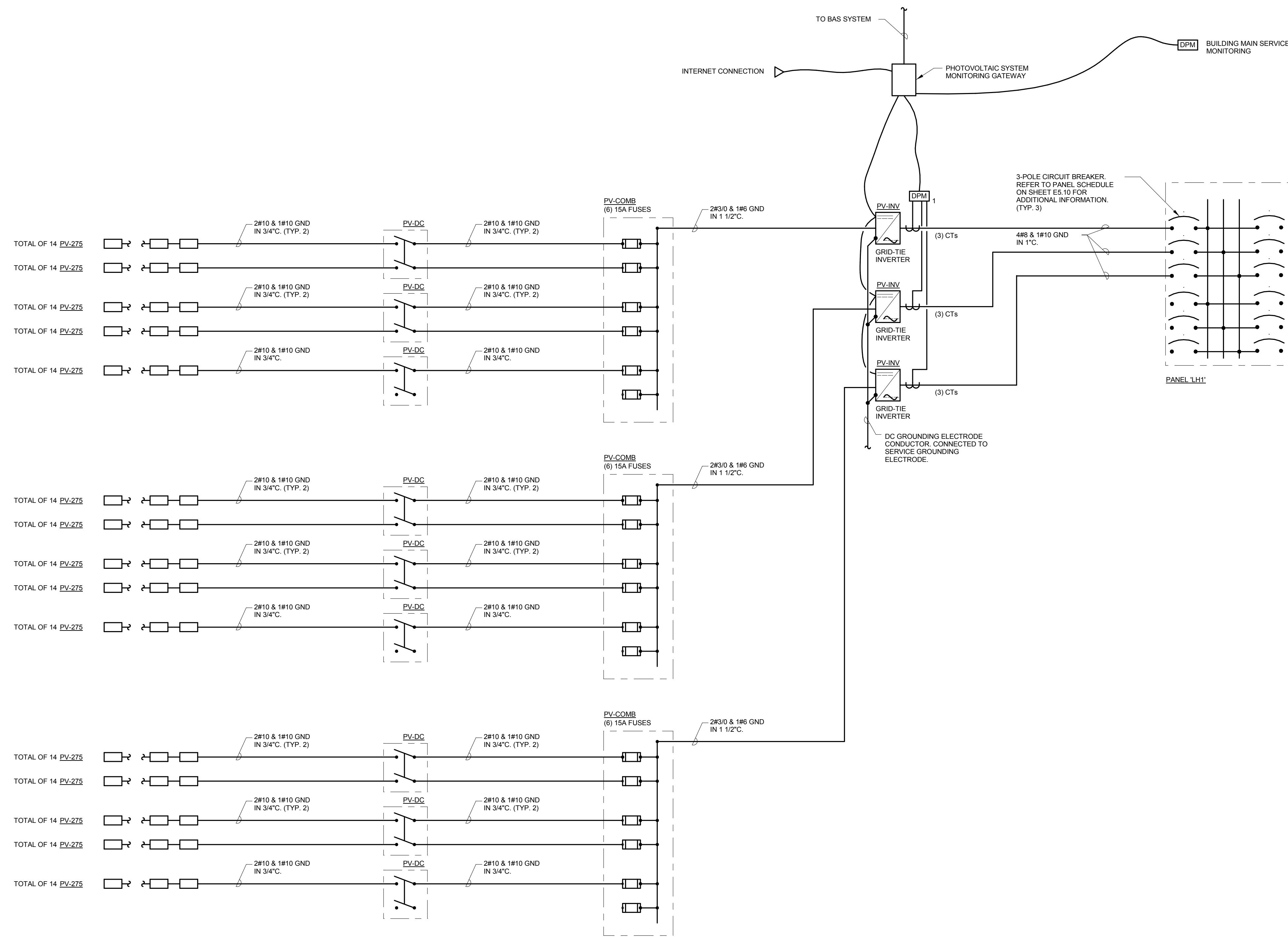


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 DKA PROJECT NO: 14-005



- NOTES:
1. REFER TO SPECIFICATION SECTION 26 31 00 FOR ADDITIONAL INFORMATION AND REQUIREMENTS ON THE PV SYSTEM.
 2. ALL COMPONENTS SHALL BE GROUNDED.
 3. EACH PV-275 MODULE SHALL BE GROUNDED. GROUNDING SHALL BE PIGTAILED SO REMOVAL OF PANEL WILL NOT INTERRUPT GROUND PATH.
 4. IDENTIFY ALL CONDUITS SERVING PV SYSTEM WITH 'PHOTOVOLTAIC POWER SOURCE' LABEL.
 5. PROVIDE A PERMANENT PLAQUE OR DIRECTORY SHOW ALL ELECTRIC POWER SOURCES ON THE PREMISES AT THE SERVICE ENTRANCE EQUIPMENT.

1 GRID-TIE STRING INVERTER SYSTEM ONE LINE DIAGRAM
 NO SCALE

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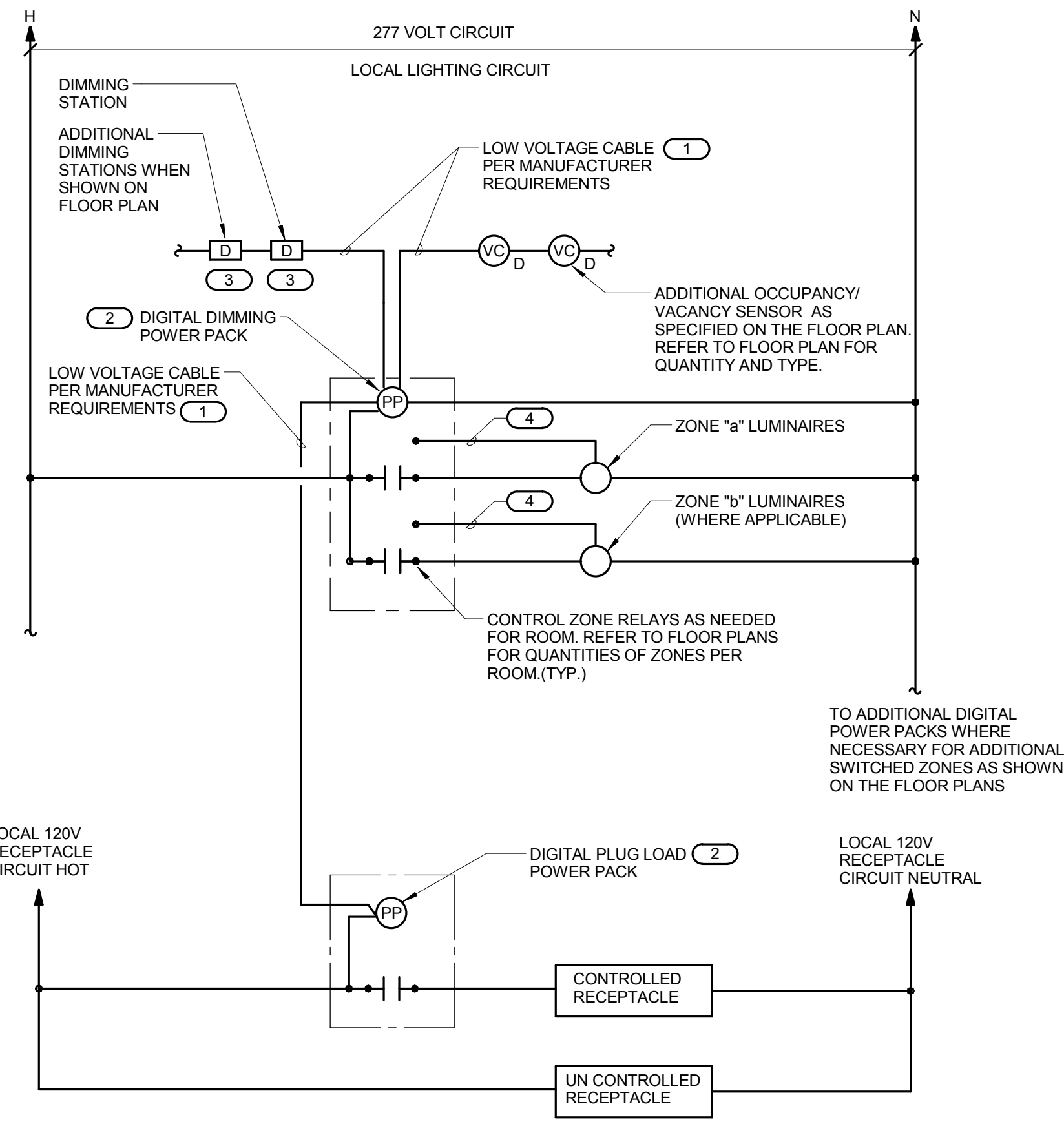
REFERENCE SCALE IN INCHES
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SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

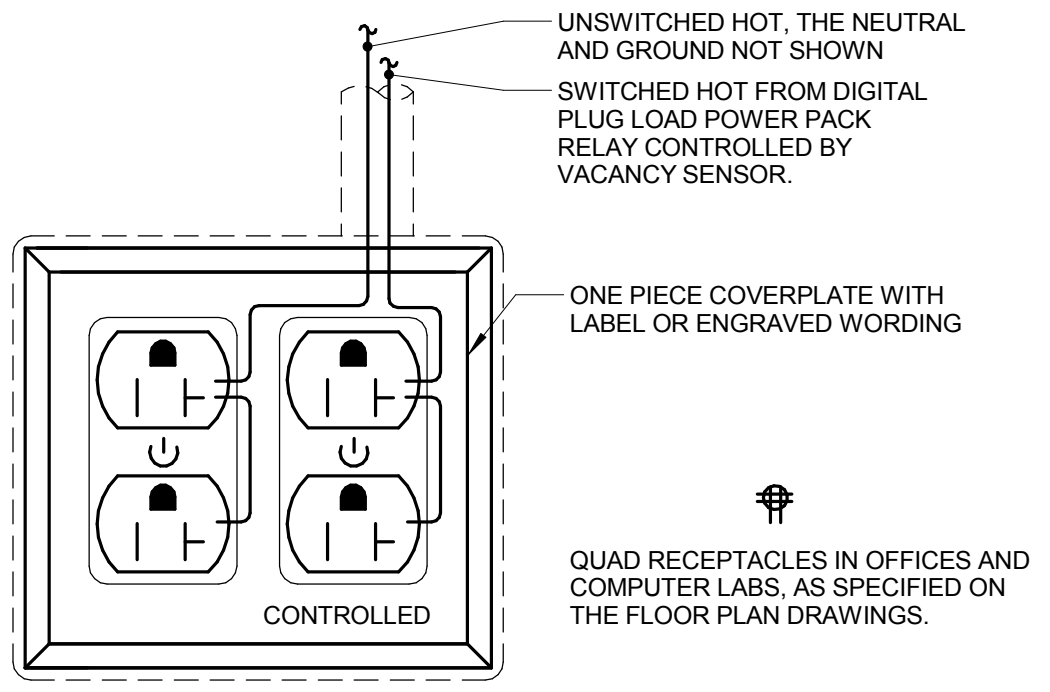
SHEET TITLE:
ELECTRICAL DETAILS

SHEET NUMBER:
E4.02



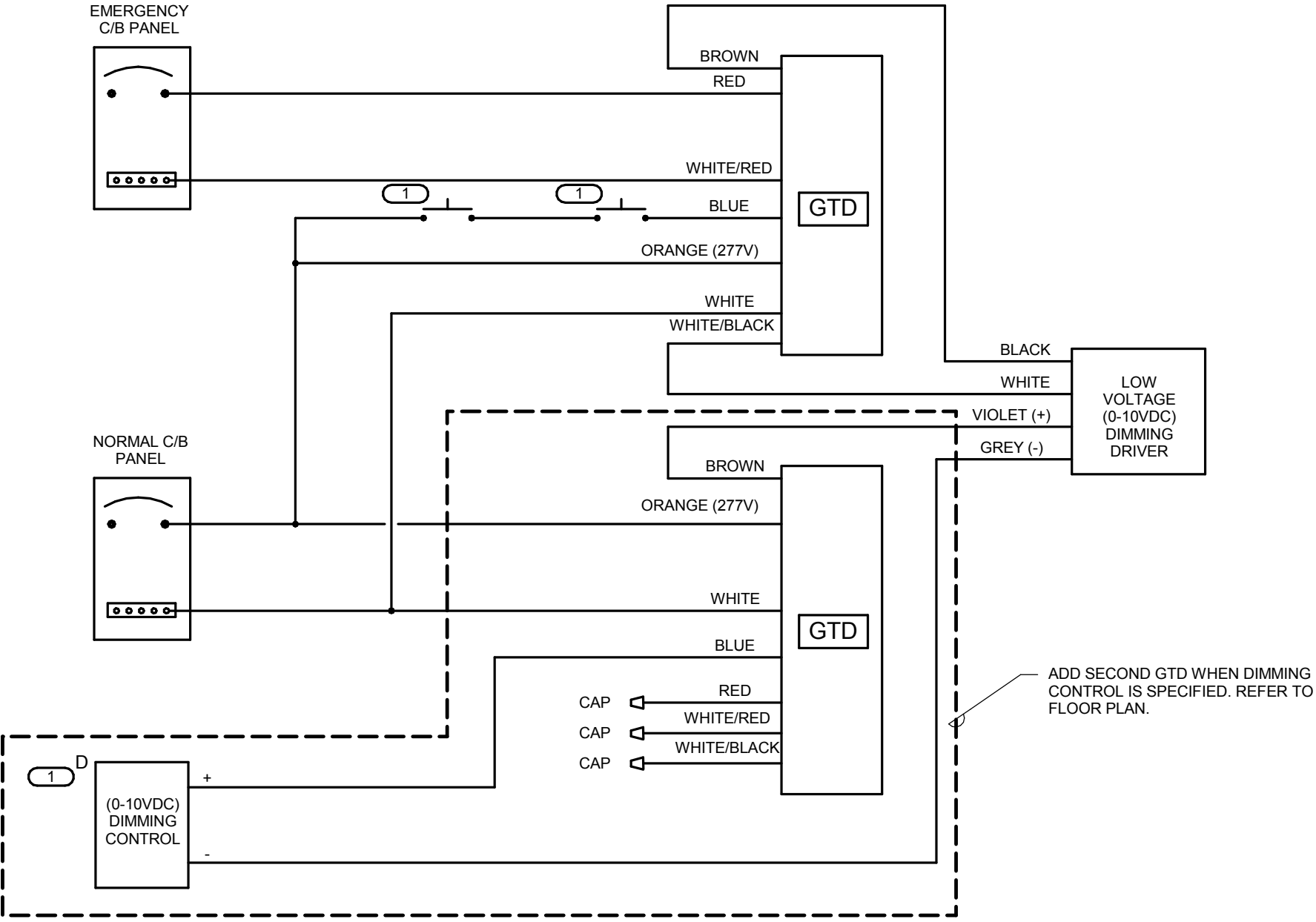
1 OFFICE/OPEN OFFICE LIGHTING CONTROL DIAGRAM
 NO SCALE

- KEYNOTES:**
- (1) LOW VOLTAGE DEVICES SHALL HAVE THE ABILITY TO BE DAISY-CHAINED USING LOW VOLTAGE CABLE TO CONNECT MULTIPLE DEVICES. REFER TO FLOOR PLANS FOR QUANTITY OF SWITCHED ZONES IN A SPACE.
 - (2) LOCATE DIGITAL POWER PACK ABOVE ACCESSIBLE CEILING ABOVE DOOR ENTRY.
 - (3) DIMMING STATION SHALL HAVE THE ABILITY TO SWITCH ON/OFF & ADJUST DIMMING LEVEL OF ONE ZONE WITHIN THE ROOM. A SINGLE DIMMING STATION CAPABLE OF CONTROLLING MULTIPLE ZONES MAY BE USED.
 - (4) 0-10V DIMMING CONTROL WIRING WHERE APPLICABLE.



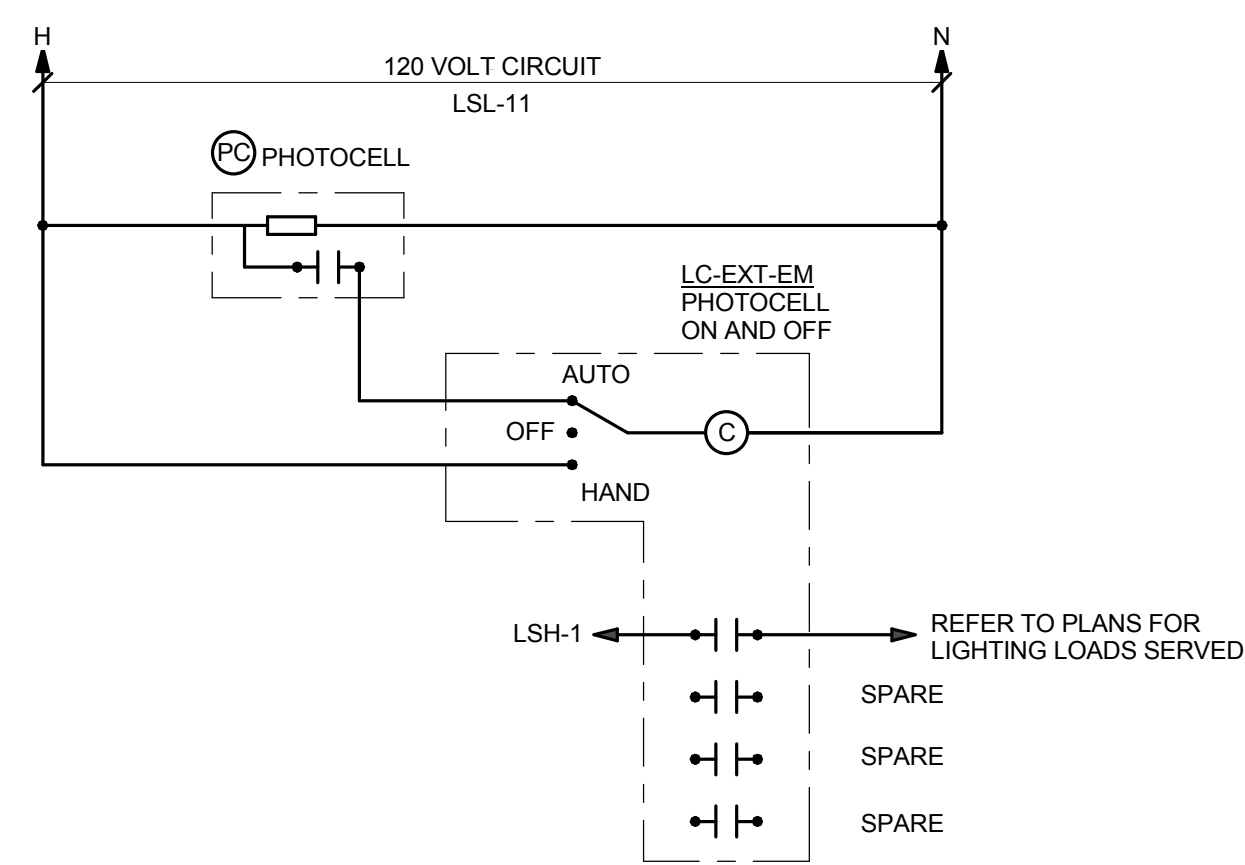
2 CONTROLLED RECEPTACLE WIRING
 NO SCALE

- NOTES:**
- 1. CONTROLLED RECEPTACLE SHALL BE LABELED AS SHOWN. LABEL CAN BE BY MANUFACTURER OR CONTRACTOR.

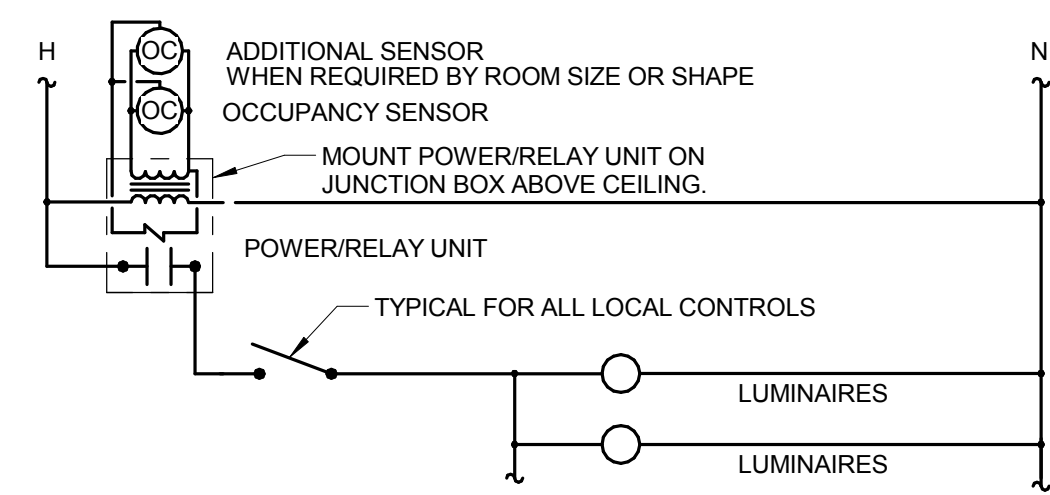


3 GENERATOR TRANSFER DEVICE WIRING DIAGRAM
 NO SCALE

- NOTES:**
- 1. NORMAL OPERATION - FIXTURE DRIVER SUPPLIED BY NORMAL PANEL & CONTROLLED BY WALL SWITCH.
 - 2. EMERGENCY OPERATION DURING POWER OUTAGE - FIXTURE DRIVER SUPPLIED BY GENERATOR THROUGH EMERGENCY PANEL AND INDEPENDENT OF WALL SWITCH POSITION.
- KEYNOTE:**
- (1) LIGHTING CONTROLLER IN ROOM AS INDICATED IN THE FLOOR PLAN.



4 EXTERIOR LIFE SAFETY LIGHTING CONTROL DIAGRAM
 NO SCALE

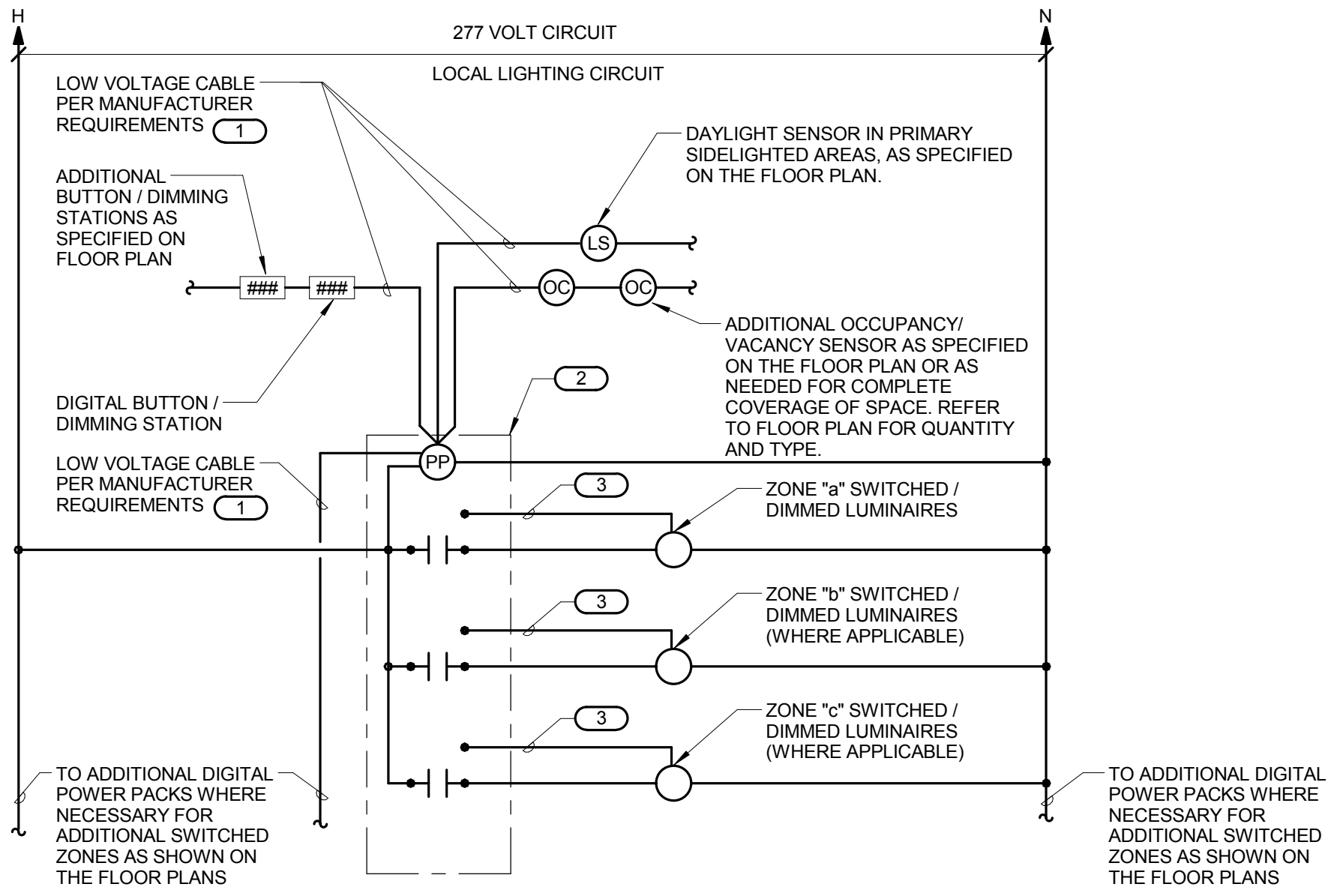


5 TYPICAL OCCUPANCY SENSOR WIRING DIAGRAM
 NO SCALE

- NOTES:**
- 1. SEE LIGHTING PLANS FOR ACTUAL NUMBER OF LUMINAIRES AND LOCAL CONTROLS
 - 2. PROVIDE SLAVE RELAY UNITS AS REQUIRED FOR SPACES WITH MULTIPLE CIRCUITS OR MULTIPLE LOW VOLTAGE CONTROL STATIONS.

NO.	DESCRIPTION:	DATE:

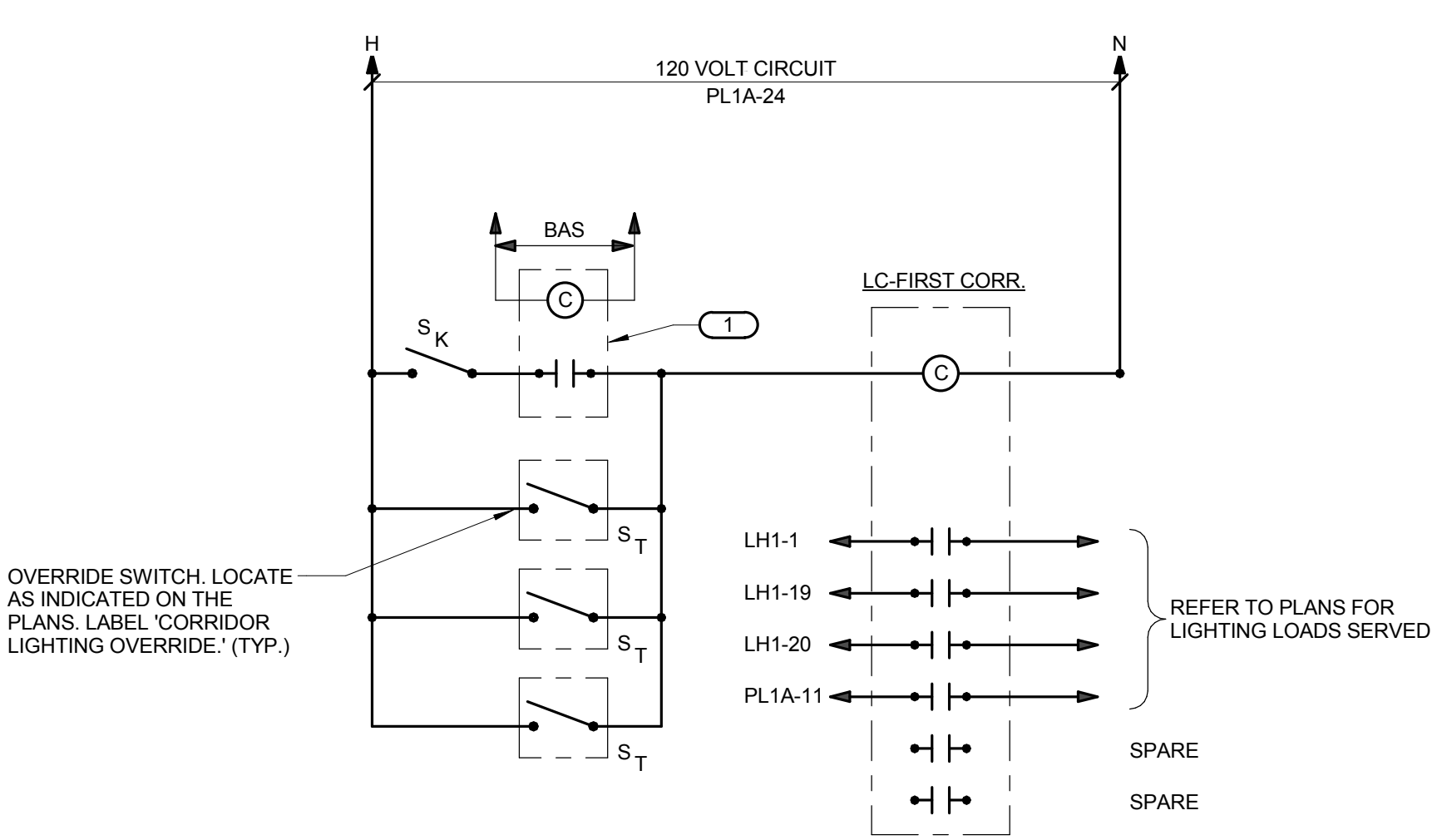
NO.	DESCRIPTION:	DATE:



1 GENERAL OCCUPANCY / VACANCY SENSOR LIGHTING CONTROL DIAGRAM
 NO SCALE

KEYNOTES:

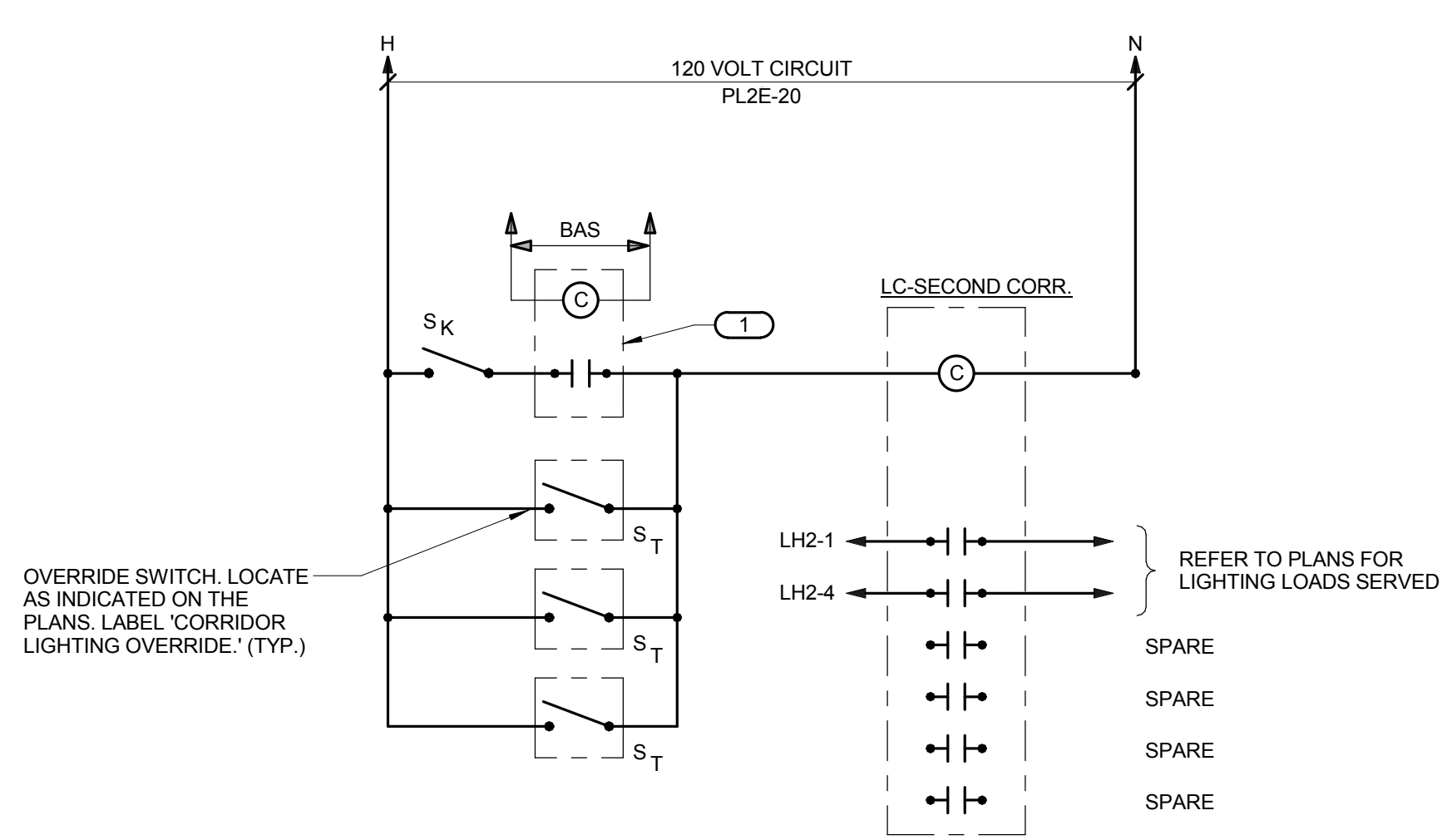
- 1 LOW VOLTAGE DEVICES SHALL HAVE THE ABILITY TO BE DAISY-CHAINED USING LOW VOLTAGE CABLE TO CONNECT MULTIPLE DEVICES.
- 2 LOCATE DIGITAL POWER PACK ABOVE ACCESSIBLE CEILING. PROVIDE APPROPRIATE TYPE DEPENDING ON LOAD SERVED (ON-OFF OR DIMMING). PROVIDE QUANTITY AS REQUIRED PER QUANTITY OF ZONES IN THE FLOOR PLAN.
- 3 0-10V DIMMING CONTROL WIRING WHERE APPLICABLE.



2 FIRST FLOOR CORRIDOR LIGHTING CONTROL DIAGRAM
 12" = 1'-0"

KEYNOTES:

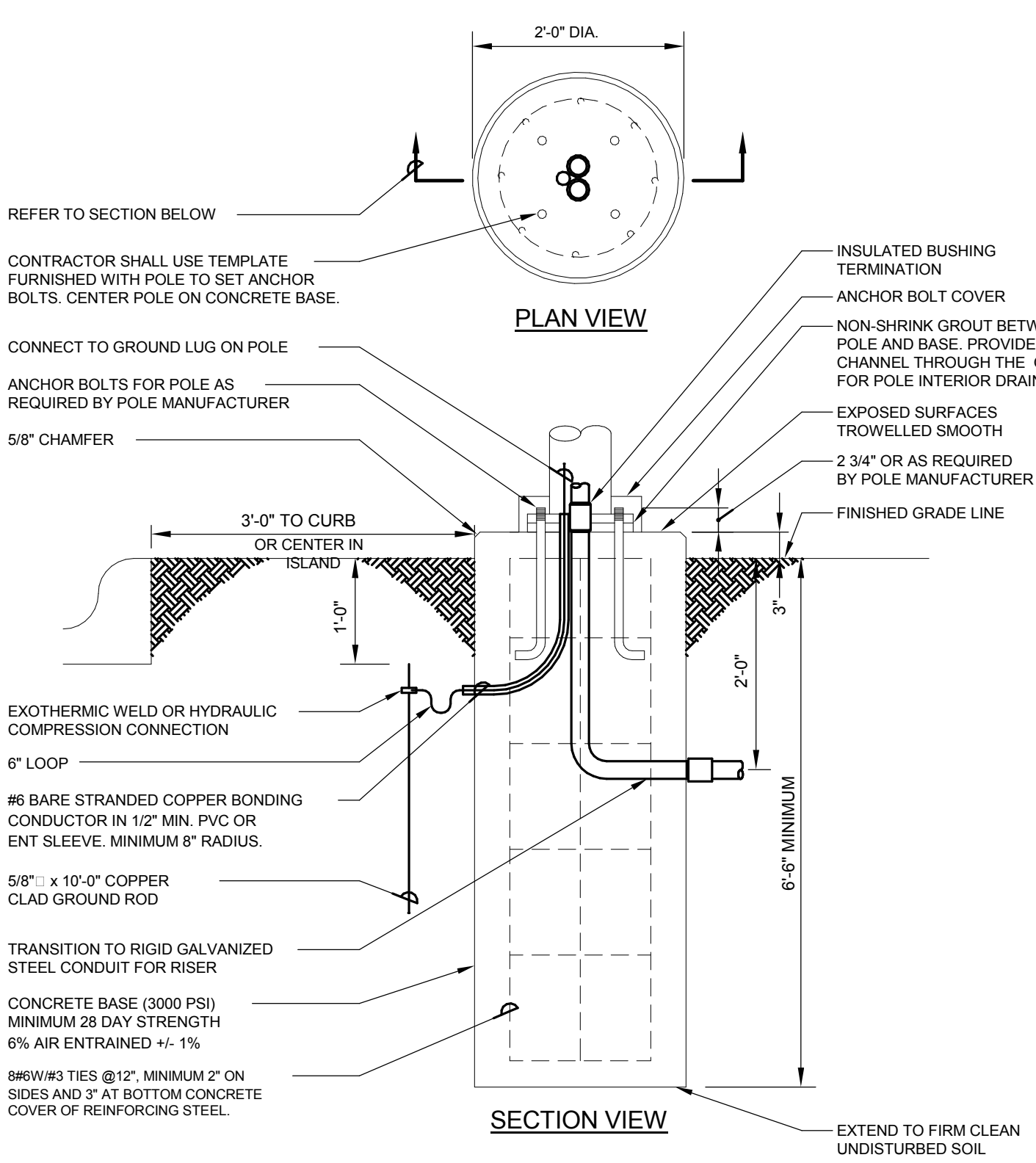
- 1 RELAY CONTROLLED BY BUILDING AUTOMATION SYSTEM. PROVIDE RELAY COMPATIBLE TO THE BUILDING AUTOMATION SYSTEM. COORDINATE WITH M.C. FOR ADDITIONAL INFORMATION.



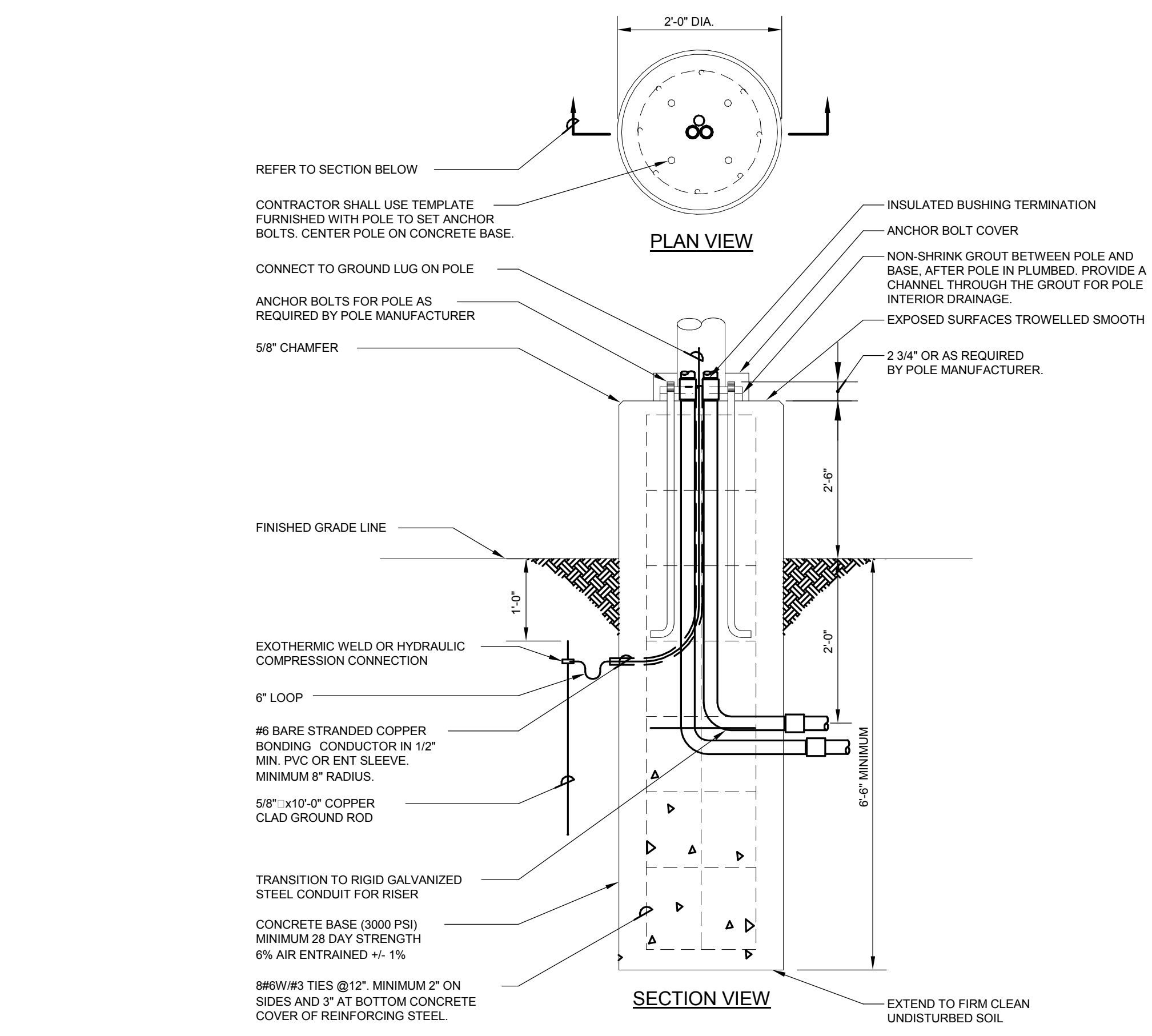
3 SECOND FLOOR CORRIDOR LIGHTING CONTROL DIAGRAM
 12" = 1'-0"

KEYNOTES:

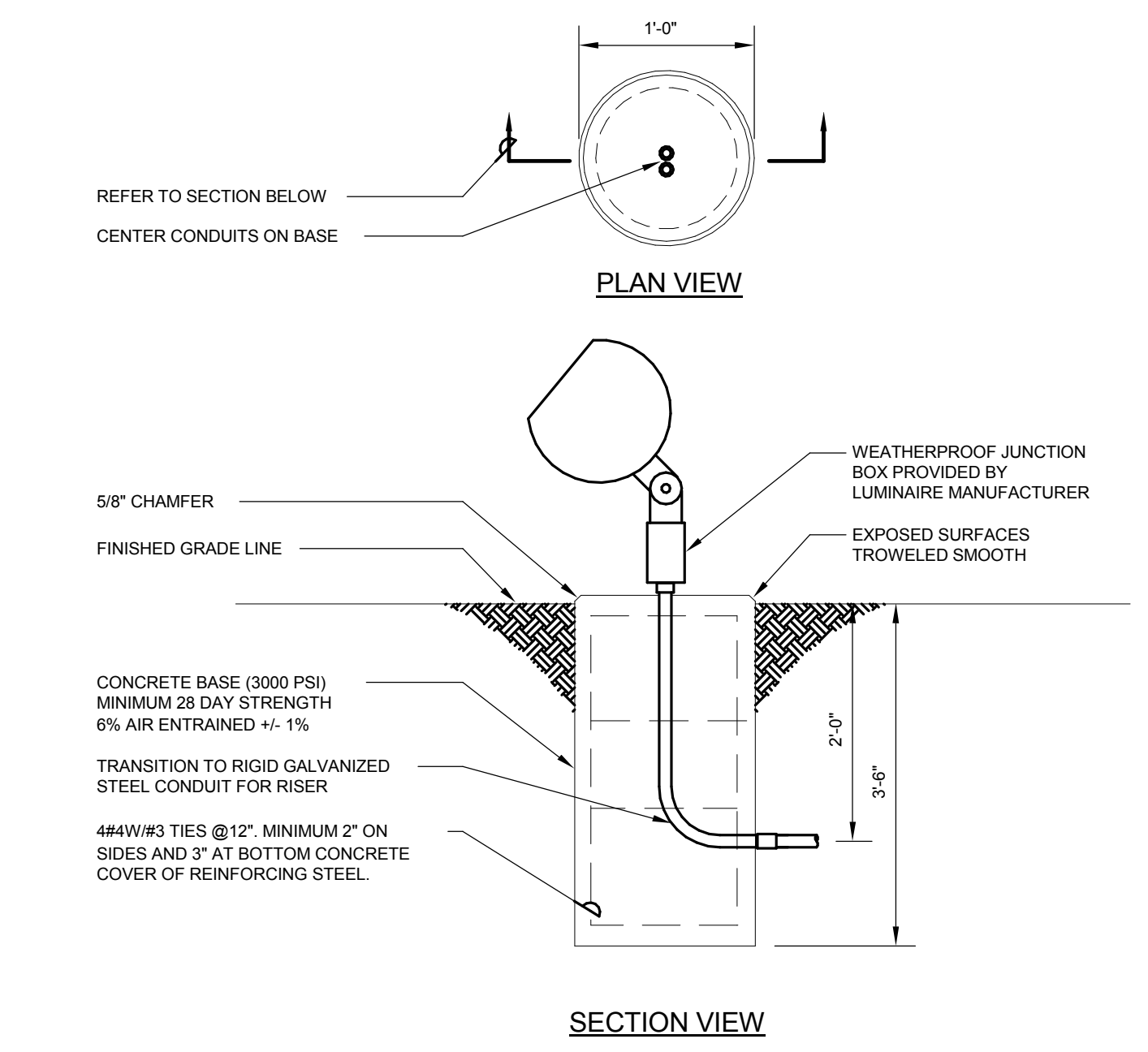
- 1 RELAY CONTROLLED BY BUILDING AUTOMATION SYSTEM. PROVIDE RELAY COMPATIBLE TO THE BUILDING AUTOMATION SYSTEM. COORDINATE WITH M.C. FOR ADDITIONAL INFORMATION.



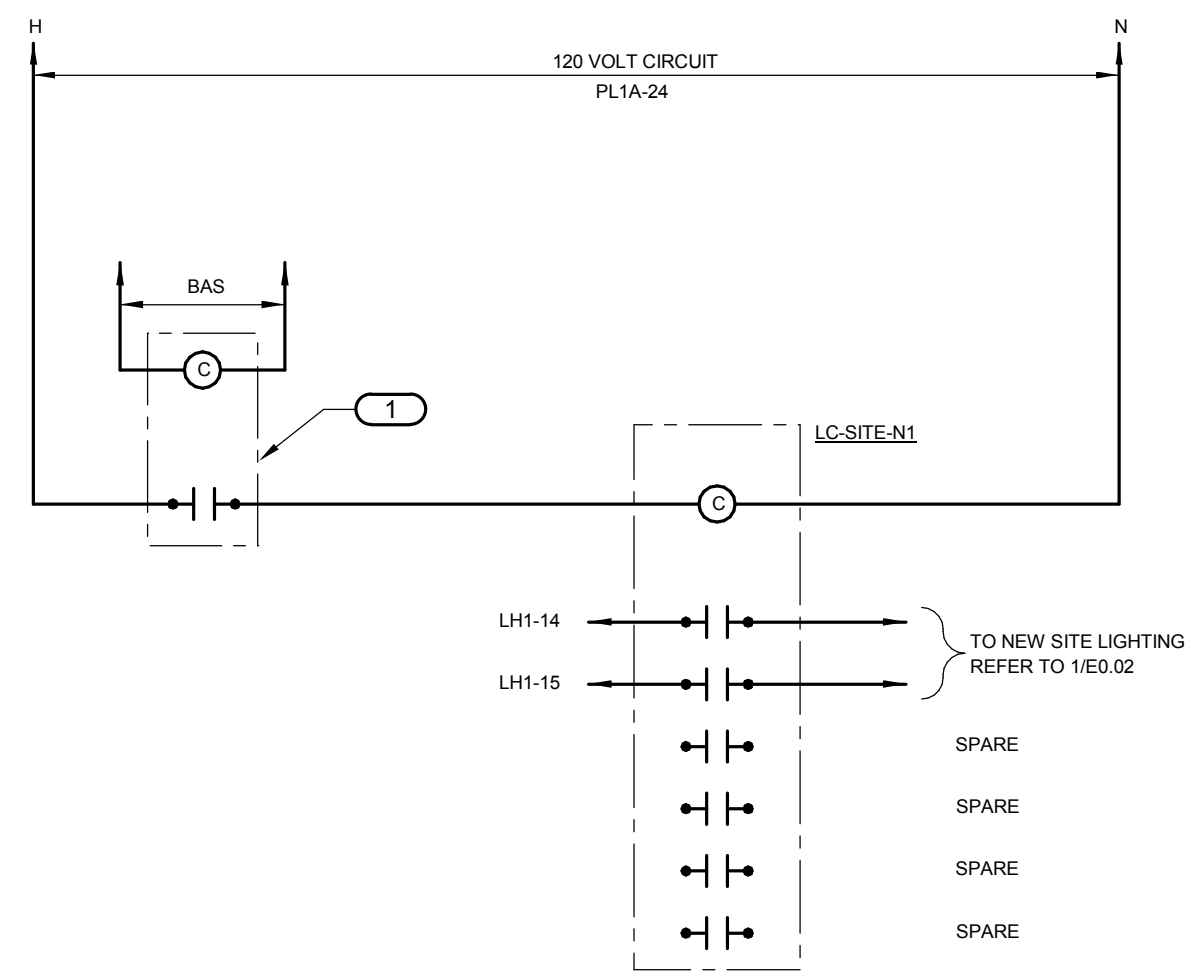
4 POLE BASE DETAIL
 NO SCALE



5 EXTENDED POLE BASE DETAIL
 NO SCALE



6 GROUND MOUNT BASE DETAIL
 NO SCALE

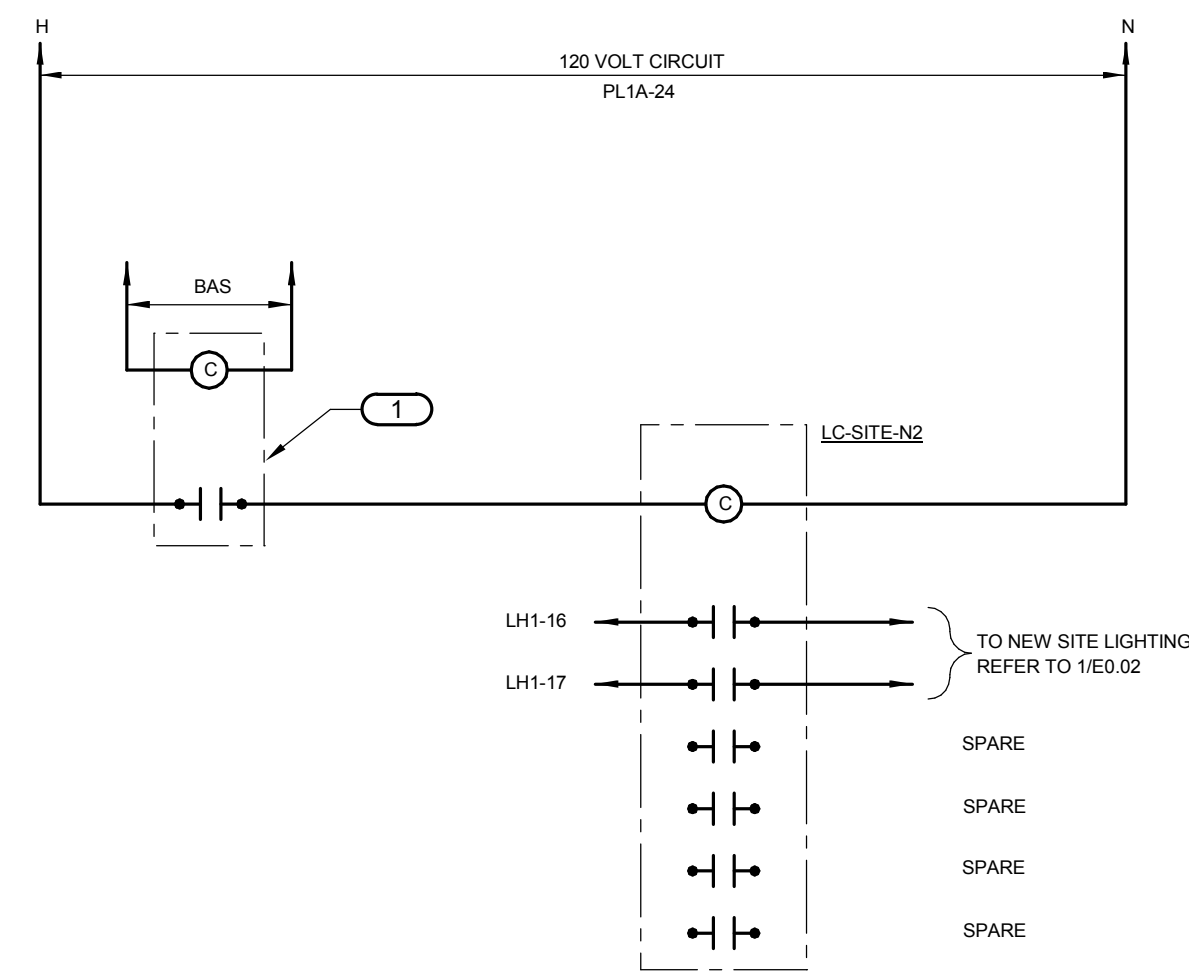


1 NORTH PARKING LOT EXTERIOR LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

KEYNOTES:

1 RELAY CONTROLLED BY BUILDING AUTOMATION SYSTEM. PROVIDE RELAY COMPATIBLE TO THE BUILDING AUTOMATION SYSTEM. COORDINATE WITH M.C. FOR ADDITIONAL INFORMATION.

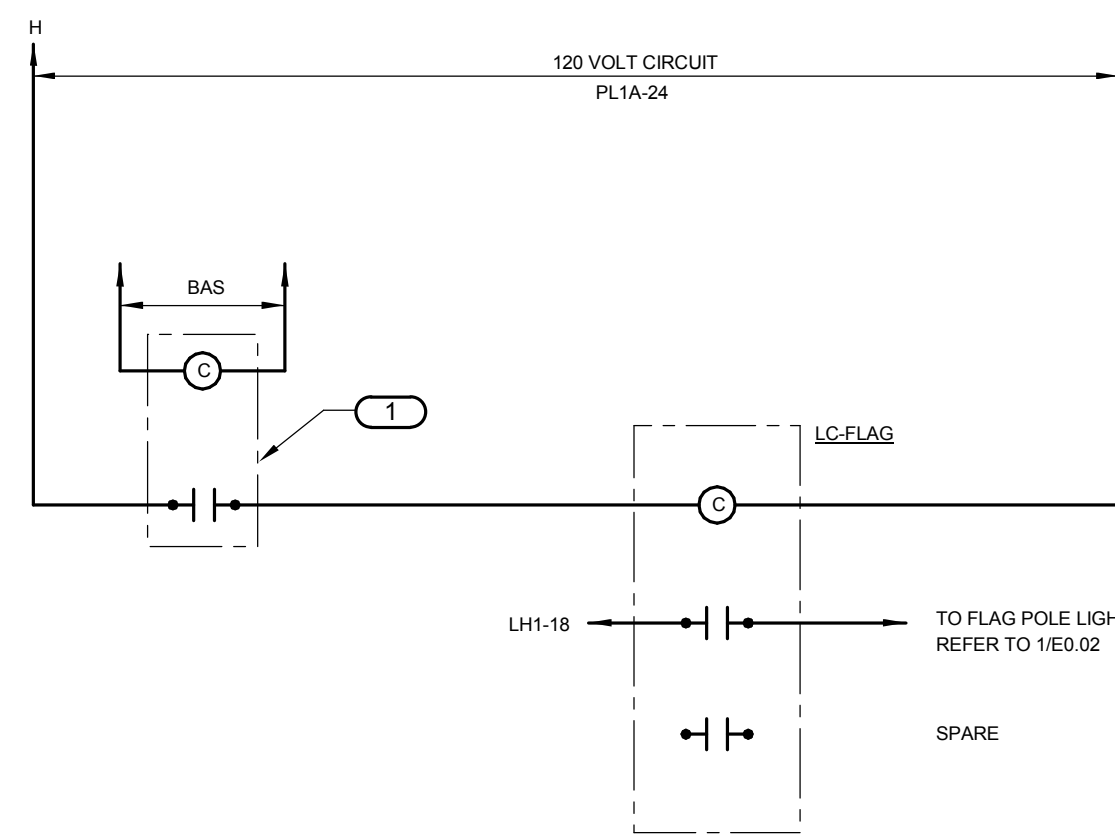


2 NORTH RING ROAD EXTERIOR LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

KEYNOTES:

1 RELAY CONTROLLED BY BUILDING AUTOMATION SYSTEM. PROVIDE RELAY COMPATIBLE TO THE BUILDING AUTOMATION SYSTEM. COORDINATE WITH M.C. FOR ADDITIONAL INFORMATION.

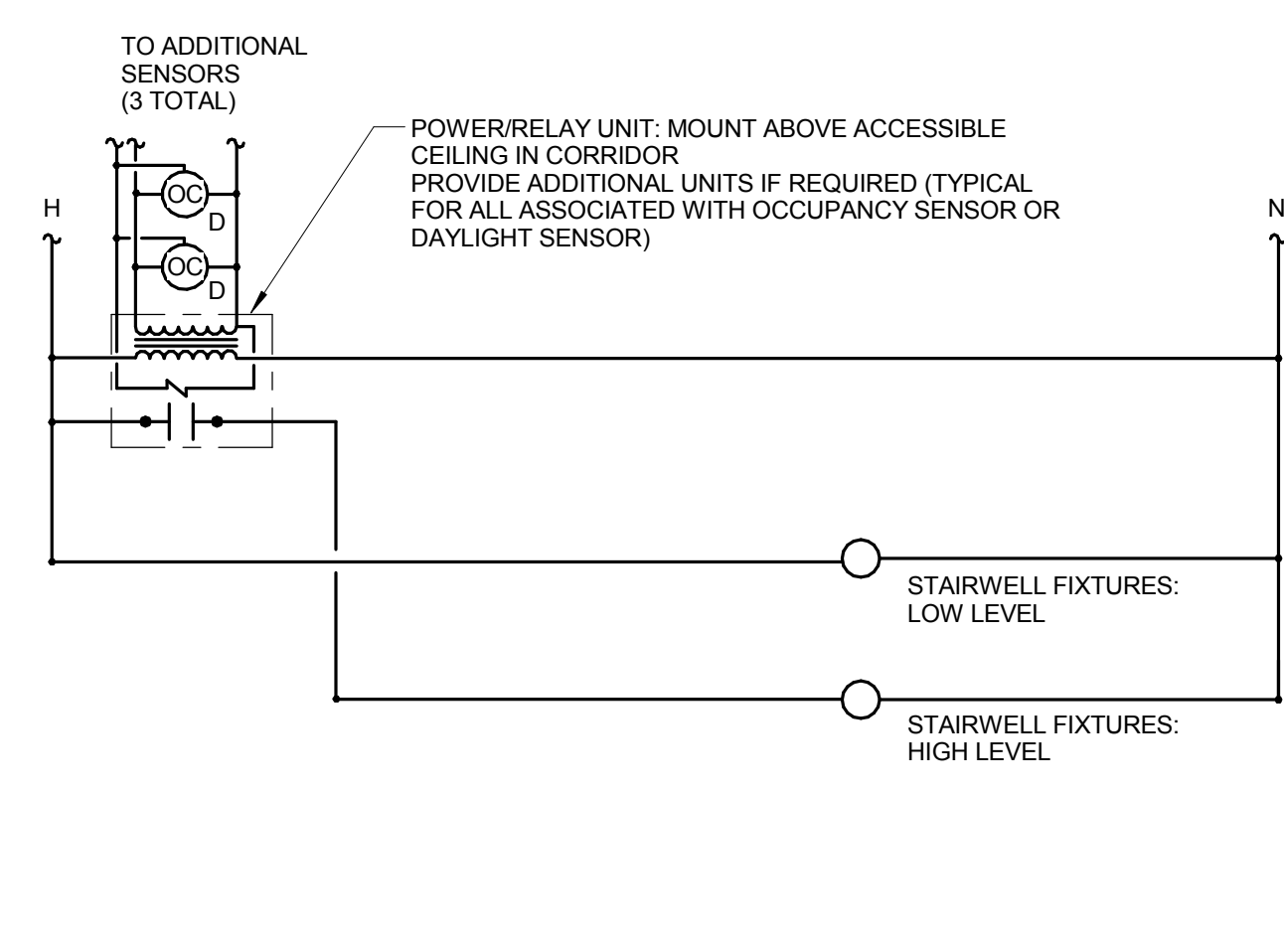


3 FLAG POLE EXTERIOR LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

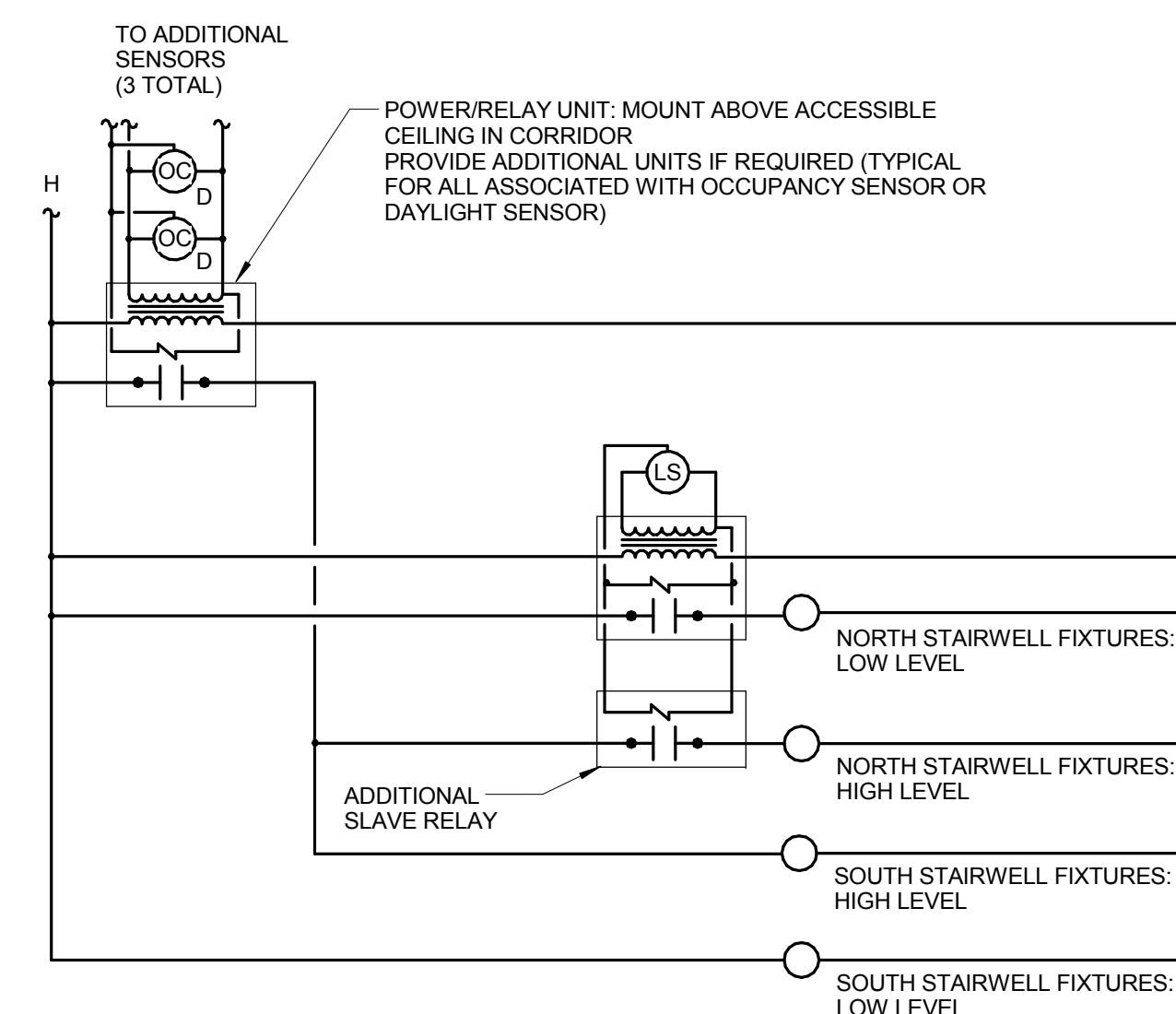
KEYNOTES:

1 RELAY CONTROLLED BY BUILDING AUTOMATION SYSTEM. PROVIDE RELAY COMPATIBLE TO THE BUILDING AUTOMATION SYSTEM. COORDINATE WITH M.C. FOR ADDITIONAL INFORMATION.



4 GENERAL STAIR LIGHTING CONTROL DIAGRAM

NO SCALE



5 STAIR 1102/2101 WIRING DIAGRAM

NO SCALE

EXISTING PANEL: SL-1

TYPE: BOLT-ON
 MOUNTING: SURFACE
 FED FROM: MDP
 SCOR:

CONNECTED 2.4 KVA
 MAIN: 200A/3P CB
 VOLTS: 480Y/277
 PHASE: 3
 WIRE: 4

NOTES: EXISTING PANEL ANY ADDITIONS SHALL MATCH MANUFACTURER AND RATING

CT	NO.	LOAD DESCRIPTION	WIRE SIZE	LOAD KVA	BREAKER AMP	BREAKER P	BREAKER R	LOAD WIRE SIZE	LOAD DESCRIPTION	CT NO.
1	SPACE				20	1	20	1	EXISTING LOAD	2
3	EXISTING LOAD				20	1	20	1	EXISTING LOAD	4
5	SPACE				20	1	20	1	EXISTING LOAD	6
7	EXISTING LOAD				20	1	20	1	EXISTING LOAD	8
9	SPACE				20	1	1.7	8	5.52, 5.53	10
11	EXISTING LOAD				20	1	20	1	0.9	12
13	SPACE				20	1	20	1	4.82	14
15	EXISTING LOAD				20	1	20	1	SPACE	16
17	SPACE				20	1	20	1	SPACE	18
19	SPACE				20	1	20	1	SPACE	20
21	SPACE				20	1	20	1	SPACE	22
23	SPACE				20	1	20	1	SPACE	24
25	SPACE				20	1	20	1	SPACE	26
27	SPACE				20	1	20	1	SPACE	28
29	SPACE				20	1	20	1	SPACE	30

KEY: "C" THRU CONTACTOR

120 VOLT CIRCUIT
 REFER TO 2/E4.10

BAS

B-1

LC-SITE-S

SL-1-10

SL-1-12

TO NEW SITE LIGHTING
 REFER TO 1/E0.02

SPARE

SPARE

SPARE

SPARE

NOT IN CONTRACT

4 SOUTH PARKING LOT EXTERIOR LIGHTING CONTROL WIRING DIAGRAM

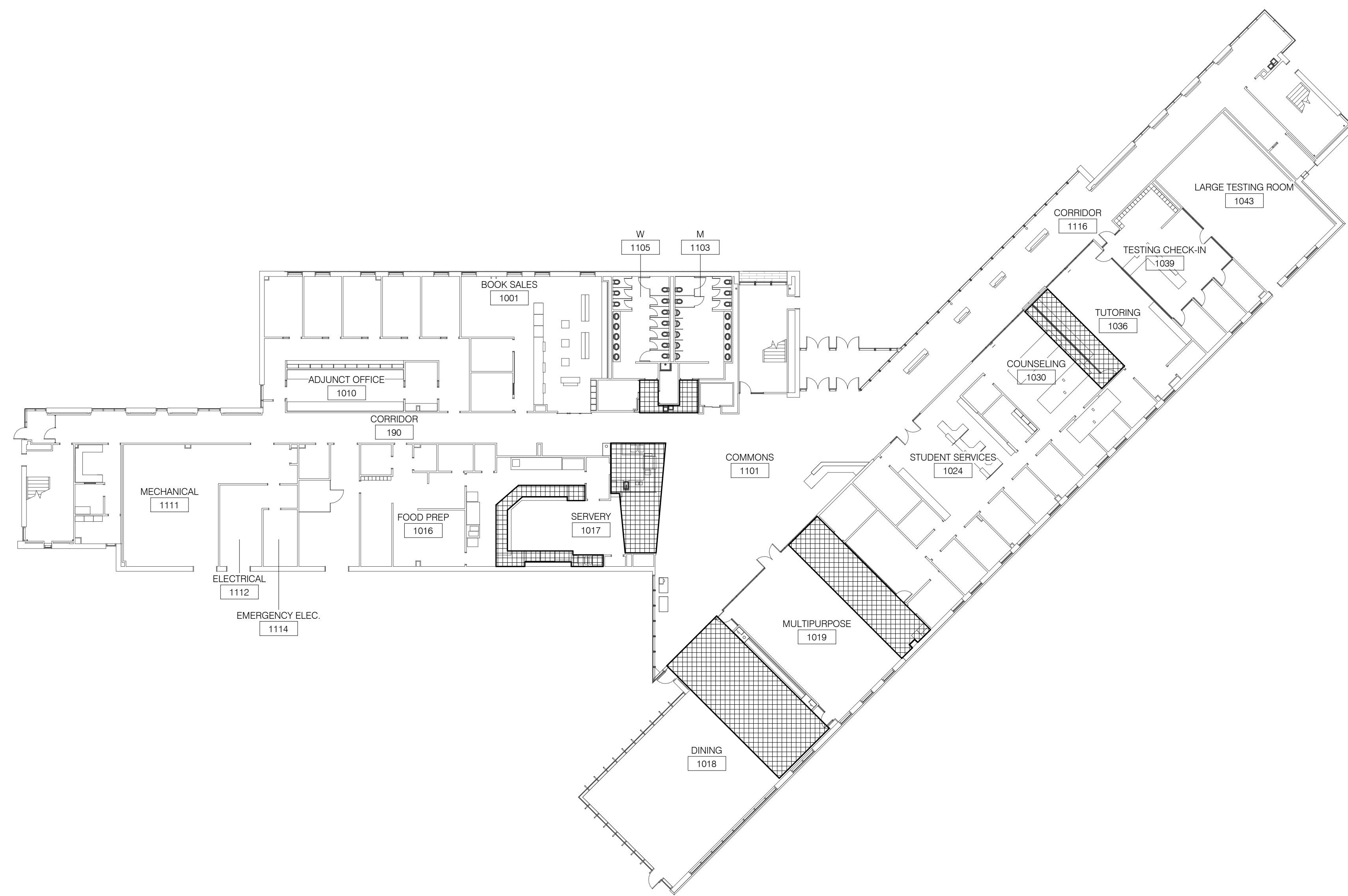
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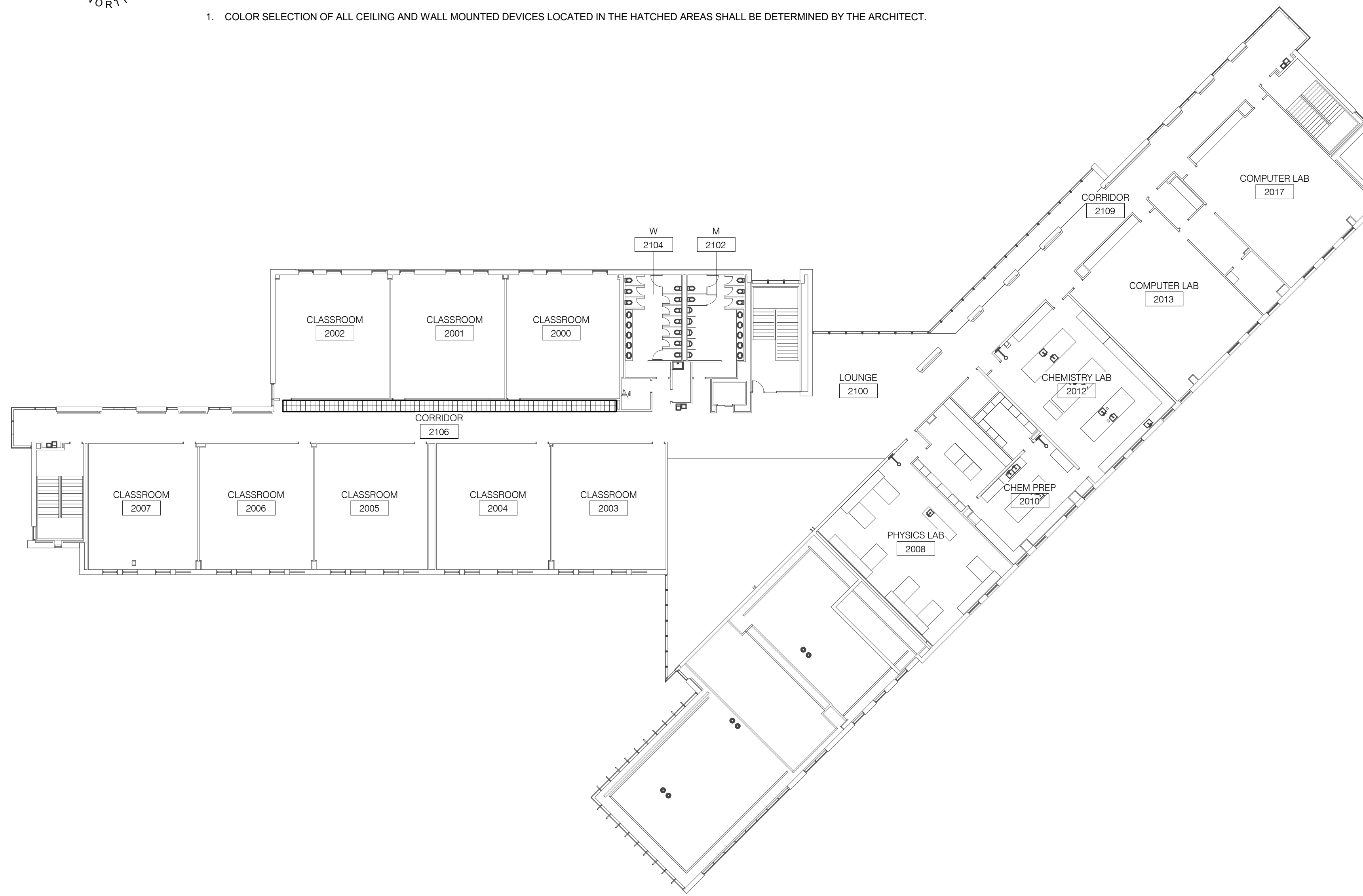


1 LEVEL 1 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

1" = 20'-0"

NOTES:

- COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.



2 LEVEL 2 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

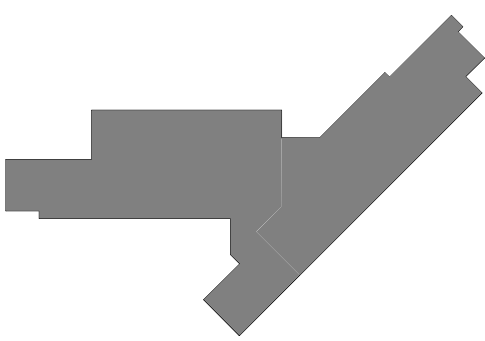
1" = 20'-0"

NOTES:

- COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.

JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO. DESCRIPTION: DATE:

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

ELECTRICAL DETAILS

SHEET NUMBER:

E4.06

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DESIGN FIRM REGISTRATION #14-005073
 PROJECT # 14-0403-00

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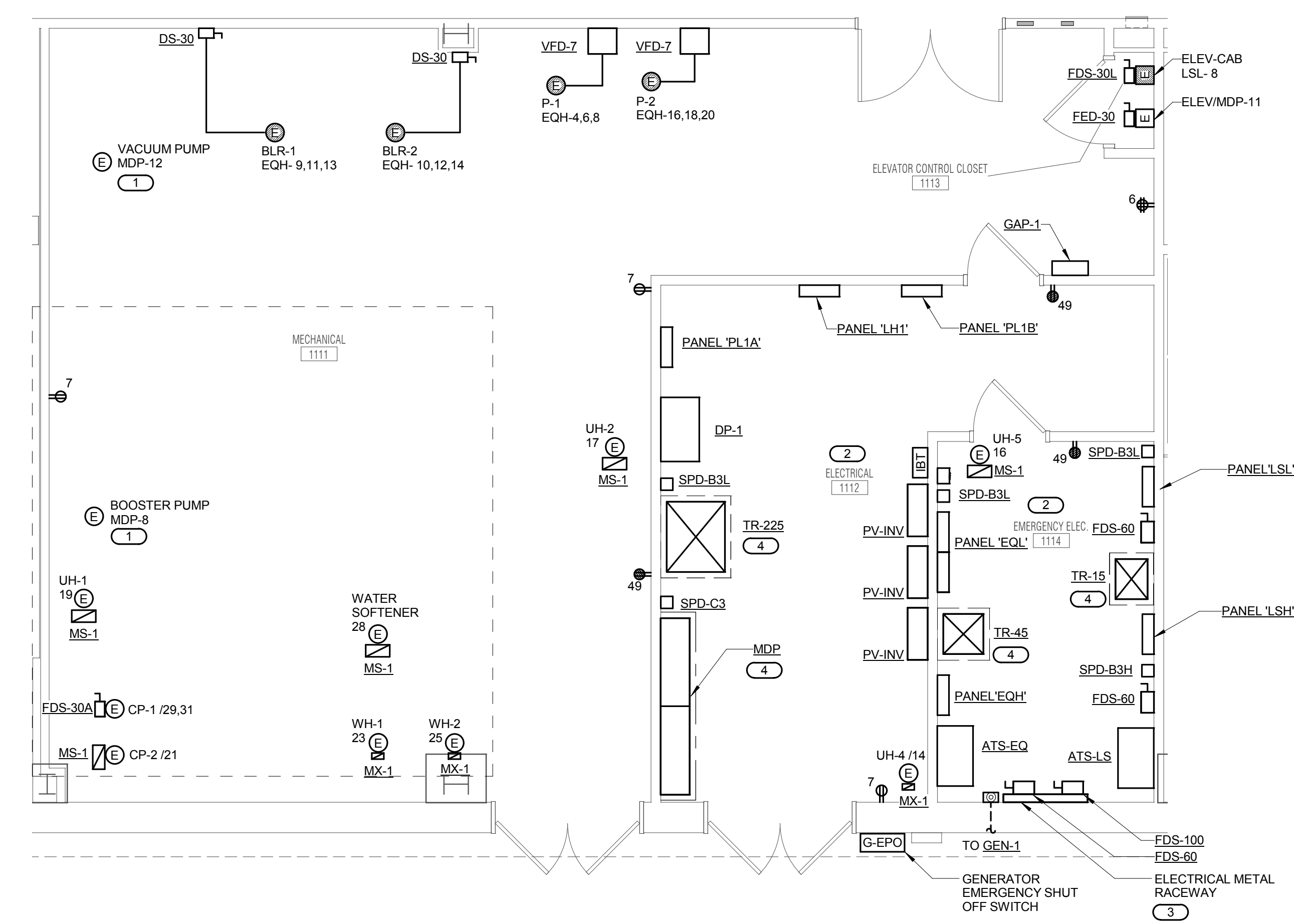
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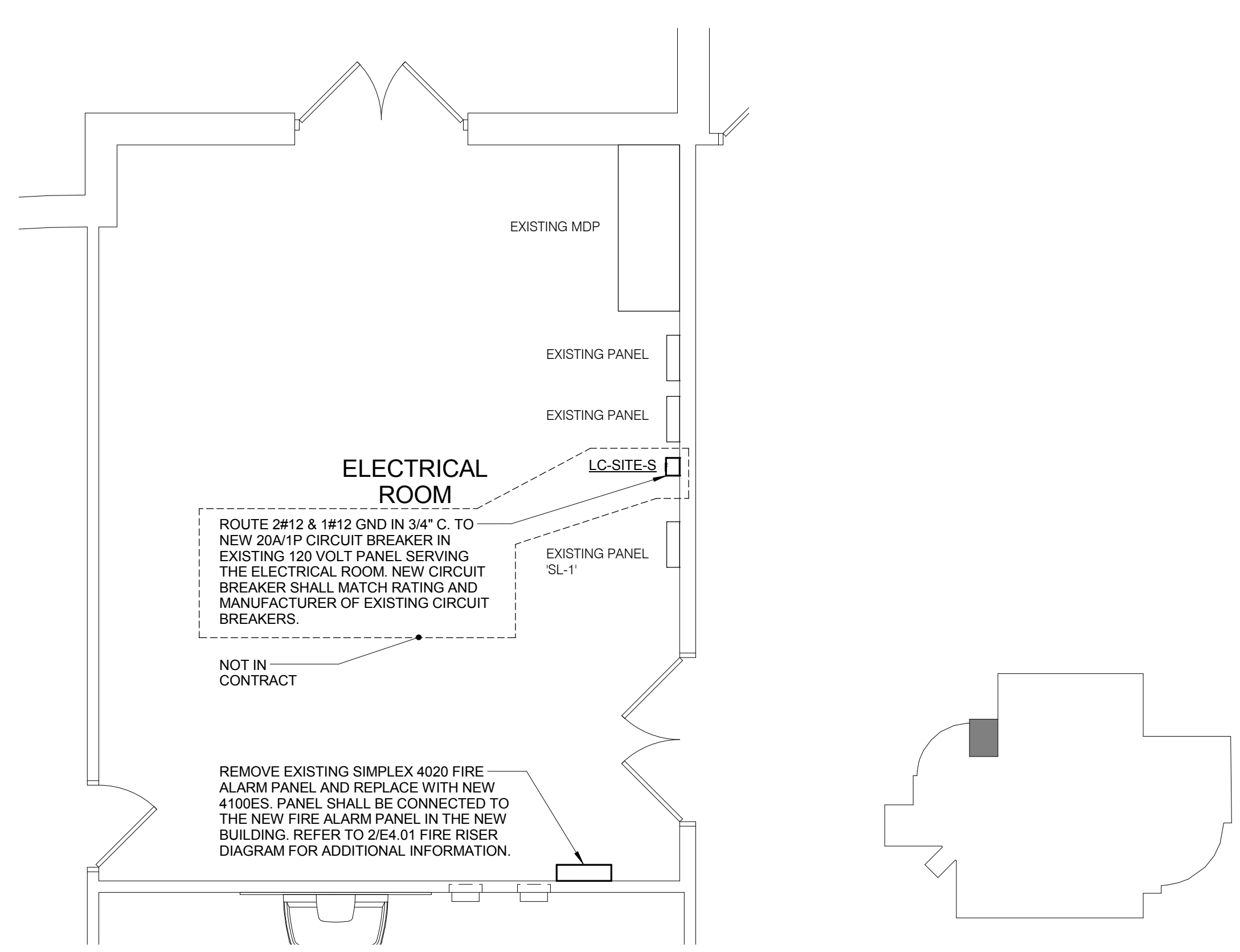
FOOD SERVICE CONSULTANT
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

- GENERAL SHEET NOTES**
- REFER TO SHEET E0.00 FOR GENERAL ELECTRICAL NOTES, ELECTRICAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
 - REFER TO SHEETS E8.00 AND E8.01 FOR ELECTRICAL ONE LINE DIAGRAM.
 - REFER TO SHEETS E5.10 AND E5.11 FOR PANEL SCHEDULES.
 - REFER TO 3/E4.00 FOR FIRE BARRIER PENETRATION DETAIL.
 - REFER TO 6/E4.00 FOR SIDE BY SIDE DEVICE OPENING DETAIL.
 - REFER TO E5.02 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.
 - COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL DEVICES WITH THE ARCHITECT AND ARCHITECTURAL DRAWINGS PRIOR TO INSTALLATION.

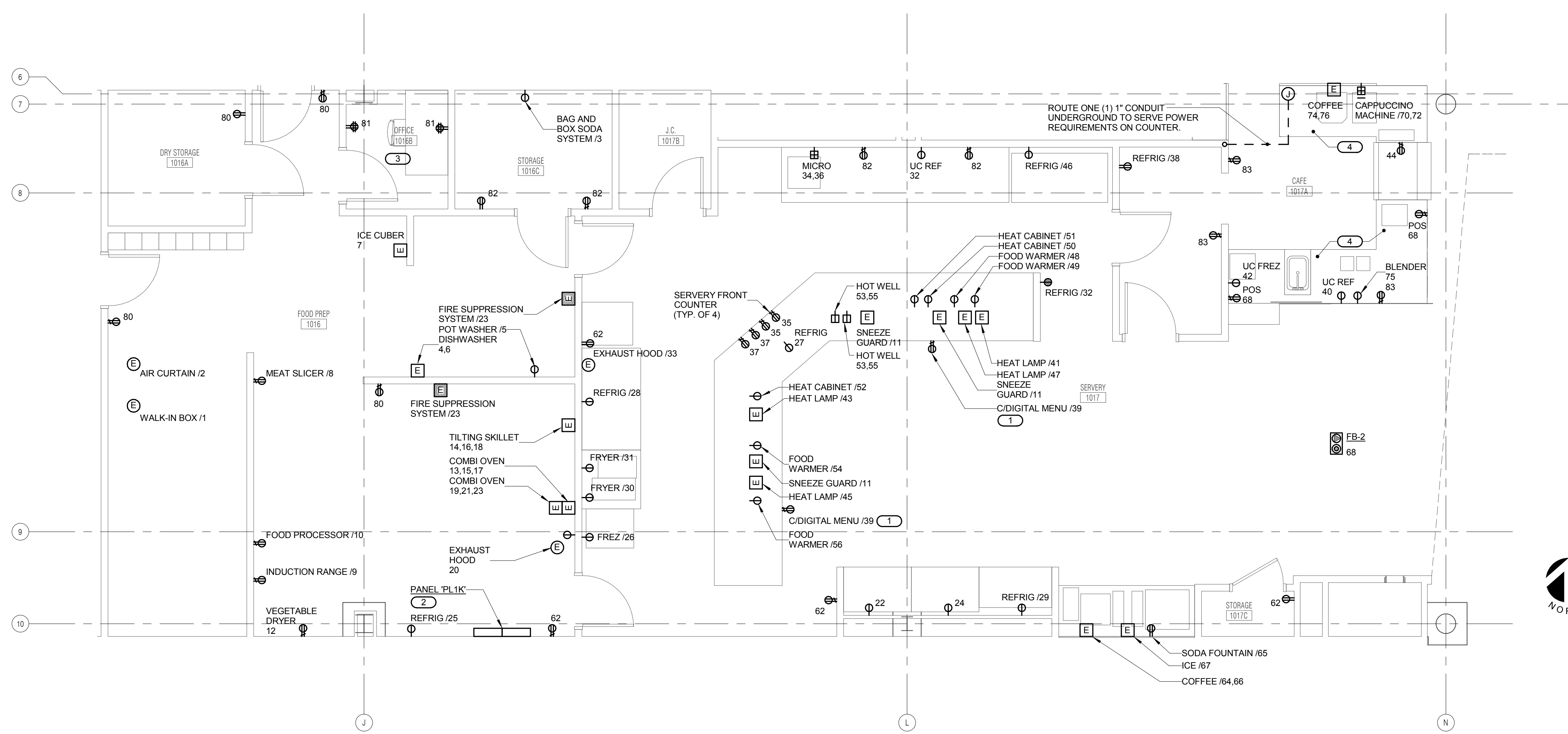


- NOTES:**
- DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS DETAIL SHALL BE CIRCUITED TO PANEL 'PL1A', UNLESS NOTED OTHERWISE.
- KEYNOTE:**
- CONNECT TO MANUFACTURER PROVIDED DISCONNECT.
 - PROVIDE ELECTRICAL EQUIPMENT IN ROOM WITH REQUIRED CLEARANCES PER NEC. REFER TO 1/E4.00 FOR ADDITIONAL INFORMATION.
 - SIZE AS REQUIRED PER QUANTITY AND CONDUCTOR SIZE. INCLUDE COUPLINGS, ELBOWS, ADAPTERS, END CAPS AND OTHER FITTINGS TO MATCH AND MATE WITH WIRWAYS AS REQUIRED FOR A CONTINUOUS ENCLOSED COMPLETE SYSTEM.
 - PROVIDE MINIMUM 3/2" CONCRETE HOUSEKEEPING PAD.



- KEYPLAN**
 4 NO SCALE
- ENLARGED PLAN - EXISTING BUILDING - ELECTRICAL ROOM**
 2 1/4" = 1'-0"

1 ENLARGED PLAN - MECH. 1111, ELEC. 1112, & EM. ELEC 1114 - POWER
 1/4" = 1'-0"



- NOTES:**
- ALL WORK ON THIS DETAIL SUPPLEMENTS THE WORK SHOWN ON OF DRAWINGS. THE INTENT IS TO PROVIDE ADDITIONAL CIRCUITING REQUIREMENTS AND SPECIFICATIONS FOR WIRING DEVICES, CONNECTIONS, DISCONNECT SWITCHES, ETC. NOT SHOWN ON THE OF DRAWINGS. REFER TO OF DRAWINGS FOR ADDITIONAL WORK AND INFORMATION SUCH AS EQUIPMENT LOCATIONS, MOUNTING HEIGHTS, CONDUIT ROUTING, CONTROL INTERLOCK WIRING, MICRO SWITCH, FAN SWITCH, ELECTRICAL/UNCTION BOXES, WIRING TO BAS, ETC.
 - NORMA. DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS DETAIL SHALL BE CIRCUITED TO PANEL 'PL1K', UNLESS NOTED OTHERWISE.
 - EMERGENCY DEVICES AND ELECTRICAL CONNECTIONS WITHIN THIS DETAIL SHALL BE CIRCUITED TO PANEL 'EQL', UNLESS NOTED OTHERWISE.
 - ALL DEVICE COVERPLATES WITHIN SERVERY, FOOD PREP AND CAFE SHALL BE STAINLESS STEEL, UNLESS NOTED OTHERWISE.
- KEYNOTES:**
- COORDINATE EXACT LOCATION WITH ARCHITECT PRIOR TO INSTALLATION.
 - PROVIDE ELECTRICAL EQUIPMENT IN ROOM WITH REQUIRED CLEARANCES PER NEC. REFER TO 1/E4.00 FOR ADDITIONAL INFORMATION.
 - 50% OF RECEPTACLES WITHIN ROOM SHALL BE CONTROLLED BY THE VACANCY SENSOR SERVING THE ROOM. REFER TO 1/E4.02 AND 2/E4.02 FOR CONTROLLED RECEPTACLE WIRING DIAGRAM AND ADDITIONAL REQUIREMENTS.
 - RECEPTACLES AND CONDUITS SHALL BE SURFACE MOUNTED INSIDE MILLWORK.

3 ENLARGED POWER PLAN - FOOD PREP/SERVERY
 1/4" = 1'-0"

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PROJECT # 14-043.00

Blank Design Firm Registration #14-08973

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SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ELECTRICAL ENLARGED PLANS

SHEET NUMBER:
E4.10



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 DKA PROJECT NO: 14-005

SITE LUMINAIRE SCHEDULE

<p>(MTG) MOUNTING: RE - RECESSED SP - SUSPENDED CL - CEILING SURFACE WL - WALL UC - UNDER CABINET CV - COVE PL - POLE FR - FLANGED RECESSED O - OTHER (SEE DESCRIPTION)</p> <p>DOOR: FA - FLAT ALUMINUM FS - FLAT STEEL RA - REGRESSED ALUMINUM RS - REGRESSED STEEL</p> <p>FINISH: PAF - PAINT AFTER FABRICATION CSA - FINISH SELECTION BY ARCHITECT</p>	<p>(Type) LAMP TECHNOLOGY: FL - FLUORESCENT CF - COMPACT FLUORESCENT HL - HALOGEN IN - INCANDESCENT LED - LIGHT EMITTING DIODE HS - HIGH PRESSURE SODIUM MH - METAL HALIDE SMH - SUPER METAL HALIDE PSMH - PULSE START METAL HALIDE CMH - CERAMIC METAL HALIDE O - OTHER (SEE DESCRIPTION) XL - EXTENDED LIFE XLP - EXTENDED LIFE & OUTPUT</p> <p>(TYPE) BALLAST: DIM07 - 0-10V DIMMING BALLAST DIM10 - LINE DIMMING BALLAST HL - HIGH / LOW LEVEL BALLAST ML - MULTI-LEVEL SWITCHING HP - HIGH PERFORMANCE / LBF</p>	<p>(L/L) LENS/LOUVER: A - 125° ACRYLIC B - BLACK BAFFLE C - CLEAR ALZAK D - PARABOLIC F - FRESNEL G - TEMPERED GLASS H - WALL WASHER P - POLY CARBONATE K - KSH12 125° ACRYLIC K19 - KSH19 156° ACRYLIC L - LOW REDUCESCENT SPECULAR ALUM. N - NONE R - HIGH IMPACT DR ACRYLIC O - OTHER (SEE DESCRIPTION)</p> <p>(TYPE) BALLAST: EB - ELECTRONIC BALLAST EM - EMERGENCY BATTERY/BALLAST DALI - DIGITAL DIMMING BALLAST MV - MULTI-VOLTAGE ELECTRONIC 120V-277V #BF - BALLAST FACTOR</p>
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CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE COMPLETE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS FOR DESIGN.

REFER TO LIGHTING SPECIFICATION FOR ADDITIONAL INFORMATION AND REQUIREMENTS.

ALL LAMPS FOR THIS PROJECT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTED.
 CORRELATED COLOR TEMPERATURE 3500°, COLOR RENDERING INDEX (CRI) AT OR ABOVE 80, UNLESS NOTED OTHERWISE.

ITEM	DESCRIPTION	DIMENSIONS				MTG	TYPE	QTY	LAMPS		BALLAST		L/L	APPROVED MANUFACTURER
		L	W	H	DIA				MODEL	VOLTS	TYPE			
S1	LED SITE LUMINAIRE, DIE-CAST ALUMINUM HOUSING, WET LOCATION LISTED, 10KV TRANSIENT LINE SURGE PROTECTOR, COORDINATE FINISH SELECTION OF FIXTURE AND POLE WITH OWNER. TYPE V MEDIUM DISTRIBUTION POLE SHALL BE ROUND STRAIGHT STEEL WITH INTERNAL VIBRATION DAMPER.	25"	19"	4.8"	30" POLE	PL	LED	1	112 WATTS 10,320 LUMENS	277V		O	FIXTURE: CREE-OSQ SERIES OSQ-A-NM-SME-A-40K-UL POLE: CREE EDGE SERIES PS SQUARE STRAIGHT POLE	
S2	LED SITE LUMINAIRE, DIE-CAST ALUMINUM HOUSING, WET LOCATION LISTED, 10KV TRANSIENT LINE SURGE PROTECTOR, COORDINATE FINISH SELECTION OF FIXTURE AND POLE WITH OWNER. TYPE V MEDIUM DISTRIBUTION POLE SHALL BE SQUARE STRAIGHT STEEL WITH INTERNAL VIBRATION DAMPER.	25"	19"	4.8"	30" POLE	PL	LED	1	233 WATTS 20,538 LUMENS	277V		O	FIXTURE: CREE-OSQ SERIES OSQ-A-NM-SME-S-40K-UL POLE: CREE EDGE SERIES PS SQUARE STRAIGHT POLE	
S3	LED SITE LUMINAIRE, DIE-CAST ALUMINUM HOUSING, WET LOCATION LISTED, 10KV TRANSIENT LINE SURGE PROTECTOR, COORDINATE FINISH SELECTION OF FIXTURE AND POLE WITH OWNER. TYPE II MEDIUM DISTRIBUTION POLE SHALL BE ROUND STRAIGHT STEEL WITH INTERNAL VIBRATION DAMPER.	25"	19"	4.8"	30" POLE	PL	LED	1	112 WATTS 10,904 LUMENS	277V		O	FIXTURE: CREE-OSQ SERIES OSQ-A-NM-2ME-A-40K-UL POLE: CREE EDGE SERIES PS SQUARE STRAIGHT POLE	
S4	LED SITE LUMINAIRE, DIE-CAST ALUMINUM HOUSING, WET LOCATION LISTED, 10KV TRANSIENT LINE SURGE PROTECTOR, COORDINATE FINISH SELECTION OF FIXTURE AND POLE WITH OWNER. TYPE II MEDIUM WITH BACKLIGHT SHIELD DISTRIBUTION POLE SHALL BE SQUARE STRAIGHT STEEL WITH INTERNAL VIBRATION DAMPER.	25"	19"	4.8"	30" POLE	PL	LED	1	112 WATTS 9,346 LUMENS	277V		O	FIXTURE: CREE-OSQ SERIES OSQ-A-NM-2ME-A-40K-UL W/OSQ-BLSMF POLE: CREE EDGE SERIES PS SQUARE STRAIGHT POLE	
S5	LED SITE LUMINAIRE, DIE-CAST ALUMINUM HOUSING, WET LOCATION LISTED, 10KV TRANSIENT LINE SURGE PROTECTOR, COORDINATE FINISH SELECTION OF FIXTURE AND POLE WITH OWNER. TYPE IV MEDIUM DISTRIBUTION POLE SHALL BE ROUND STRAIGHT STEEL WITH INTERNAL VIBRATION DAMPER.	25"	19"	4.8"	30" POLE	PL	LED	1	112 WATTS 10,682 LUMENS	277V		O	FIXTURE: CREE-OSQ SERIES OSQ-A-NM-4ME-A-40K-UL POLE: CREE EDGE SERIES PS SQUARE STRAIGHT POLE	
S6	LED SITE LUMINAIRE, DIE-CAST ALUMINUM HOUSING, WET LOCATION LISTED, 10KV TRANSIENT LINE SURGE PROTECTOR, COORDINATE FINISH SELECTION OF FIXTURE AND POLE WITH OWNER. TYPE IV MEDIUM WITH BACKLIGHT SHIELD DISTRIBUTION POLE SHALL BE ROUND STRAIGHT STEEL WITH INTERNAL VIBRATION DAMPER.	25"	19"	4.8"	30" POLE	PL	LED	1	168 WATTS 13,686 LUMENS	277V		O	FIXTURE: CREE-OSQ SERIES OSQ-A-NM-4ME-I-40K-UL W/OSQ-BLSMF POLE: CREE EDGE SERIES PS SQUARE STRAIGHT POLE	
S7	LED SITE LUMINAIRE, DIE-CAST ALUMINUM HOUSING, WET LOCATION LISTED, 10KV TRANSIENT LINE SURGE PROTECTOR, COORDINATE FINISH SELECTION OF FIXTURE AND POLE WITH OWNER. TYPE IV MEDIUM DISTRIBUTION POLE SHALL BE ROUND STRAIGHT STEEL WITH INTERNAL VIBRATION DAMPER.	25"	19"	4.8"	30" POLE	PL	LED	1	223 WATTS 21,252 LUMENS	277V		O	FIXTURE: CREE-OSQ SERIES OSQ-A-NM-4ME-S-40K-UL POLE: CREE EDGE SERIES PS SQUARE STRAIGHT POLE	
S8	FLAG POLE ACCENT LUMINAIRE, DIE-CAST ALUMINUM HOUSING, 7 DEGREE BEAM ANGLE, WET LOCATION LISTED, LUMINAIRE MOUNTED ABOVE GRADE, COORDINATE FINISH SELECTION OF FIXTURE WITH OWNER.	9.6"	5.9"	8.7"		O	LED	1	25 WATTS 1,176 LUMENS	277V		O	ACCLAIM DYNALFLOOD SO	

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ELECTRICAL SCHEDULES

SHEET NUMBER:

E5.01

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 DESIGN: [NAME] DATE: [DATE]
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO. DESCRIPTION: DATE:

SHEET TITLE:

ELECTRICAL SCHEDULES

SHEET NUMBER:

E5.02

DISCONNECT AND STARTER SCHEDULE									
NOTE: ALL DISCONNECTS (EXCEPT MANUAL STARTERS) SHALL BE HEAVY DUTY TYPE									
DISCONNECT TYPE:		CIRCUIT RATING		CIRCUIT VOLTAGE		STARTER		REMARKS	
ITEM	TYPE	RATING	VOLTS	POLES	NEMA SIZE	TYPE	ENCLOSURE	REMARKS	APPROVED MANUFACTURERS
DS-30	NF	30 A	480 V	3			1		SQUARE D 3110 HU361 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HNF
DS-30R	NF	30 A	208 V	3			3R		SQUARE D 3110 HU361RB CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HF
DS-60R	NF	60 A	208 V	3			3R		SQUARE D 3110 HU362RB CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HF
DS-200	NF	200 A	600 V	3			1		SQUARE D 3110 HU364 CUTLER-HAMMER TYPE TH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HNF
FDS-30A	FU	30 A	208 V	3			1	SIN, FUSED AT 15 AMPS	SQUARE D 3110 H221N CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HF
FDS-30L	FU	30 A	240 V	2			1	SIN LIGHT DUTY	SQUARE D 3130 L221N CUTLER-HAMMER GENERAL ELECTRIC SIEMENS
FDS-60	FU	60 A	480 V	3			1	REFER TO ELECTRICAL ONE LINE DIAGRAM SHEET	SQUARE D 3110 H362 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HF
FDS-100	FU	100 A	480 V	3			1	REFER TO ELECTRICAL ONE LINE DIAGRAM SHEET	SQUARE D 3110 H363 CUTLER-HAMMER TYPE DH GENERAL ELECTRIC TYPE TH SIEMENS TYPE HF
FED-30	FU	30 A	480 V	3			1	ELEVATOR SHUNT TRIP, CT, FUSE PER ELEVATOR MFC RECOMMENDATIONS, EI	BUSSMANN PS3T48R2 MERSEN ES3T48R2 CUTLER-HAMMER ES1T48R2 LITTELFUSE LPS3T48R2
MS-1		16 A	120 V	1	0	MS	1	RP, TO	SQUARE D 2510 FG1P CUTLER-HAMMER TYPE MS GENERAL ELECTRIC CR101 SIEMENS TYPE SMF
MX-1		30 A	120 V	1	0	MX	1		SQUARE D 2510 KG1 CUTLER-HAMMER TYPE B2 GENERAL ELECTRIC TYPE TC SIEMENS TYPE MMS

CONTACTOR SCHEDULE							
SWITCH TYPE:		CONTACT VOLTAGE		AMPERAGE		REMARKS	
ITEM	TYPE	VOLTS	POLES	AMPERAGE	NEMA ENCLOSURE	COIL VOLTAGE	REMARKS
LC-FLAG	EH	300	2	30	1	120	
LC-EXT-EM	EH	300	4	30	1	120	HOA
LC-SITE-N1 LC-SITE-N2 LC-FIRST CORR LC-SECOND CORR	EH	300	6	30	1	120	
C-BLR	EH	300	12	30	1	120	

TRANSFORMER SCHEDULE 1									
TYPE:		KVA RATING		VOLTAGE		PHASE		REMARKS	
TAG NAME	KVA RATING	TYPE	MAX. TEMP. RISE C.	PRIMARY VOLTS	PH	SECONDARY VOLTS	PH	% REG	APPROVED MANUFACTURER
TR-15	15 KVA	TP1	150	480 V	3	208Y/120	3	2.5	SQUARE D 7400 EE15T3H CUTLER-HAMMER TYPE DT-3 GENERAL ELECTRIC TYPE QL SIEMENS 3F3Y015T1P1
TR-45	45 KVA	TP1	150	480 V	3	208Y/120	3	2.5	SQUARE D 7400 EE45T3H CUTLER-HAMMER TYPE DT-3 GENERAL ELECTRIC TYPE QL SIEMENS 3F3Y045T1P1
TR-112	112.5 KVA	TP1	150	480 V	3	208Y/120	3	2.5	SQUARE D 7400 EE112T3H CUTLER-HAMMER TYPE DT-3 GENERAL ELECTRIC TYPE QL SIEMENS 3F3Y112T1P1
TR-225	225 KVA	TP1	150	480 V	3	208Y/120	3	2.5	SQUARE D 7400 EE225T3H CUTLER-HAMMER TYPE DT-3 GENERAL ELECTRIC TYPE QL SIEMENS 3F3Y225T1P1

TRANSFER SWITCH SCHEDULE									
SWITCH TYPE:		VOLTAGE		POLES		AMPS		REMARKS	
ITEM	TYPE	VOLTS	POLES	AMPS	NEMA ENCLOSURE TYPE	ACC	REMARKS	APPROVED MANUFACTURERS	
ATS-EQ	AUTO	480 V	4	100 A	1	EE, IM, SN	GENERATOR START DELAY: 10 SECONDS TRANSFER TO EMERGENCY DELAY: 30 SECONDS TRANSFER TO NORMAL DELAY: 120 SECONDS	ASCO 300 SERIES RUSSEL ELECTRIC RMT SERIES GE ZENITH ZTG SERIES CATERPILLAR CTG SERIES CUMMINS OTRC SERIES GENERAC W SERIES KOHLER KCT SERIES	
ATS-LS	AUTO	480 V	4	100 A	1	EE, IM, SN	LIFE SAFETY BRANCH PRIORITY GROUP 1 GENERATOR START DELAY 5 SECONDS TRANSFER TO EMERGENCY DELAY: 5 SECONDS RETRANSFER TO NORMAL DELAY: 300 SECONDS	ASCO 300 SERIES RUSSEL ELECTRIC RMT SERIES GE ZENITH ZTG SERIES CATERPILLAR CTG SERIES CUMMINS OTRC SERIES GENERAC W SERIES KOHLER KCT SERIES	

VARIABLE FREQUENCY DRIVE SCHEDULE									
STARTER TYPE:		CONTACT VOLTAGE		AMPERAGE		REMARKS			
ITEM	LINE DISC	DRIVE BYPASS	CONTROL	INPUT	OUTPUT	PH.	H.P. RATING	TYPE	APPROVED MANUFACTURERS
VFD-7	DS FDS CB	3 CONTACT	420	480 V	480 V	3	7.5	PWM	TOSHIBA G20 SERIES ABB ACH 550 SERIES ALLEN BRADLEY POWERFLEX 40 SERIES DANFOSS VLT6000 SERIES G.E. AF-300 P11 SERIES SQUARE D (E.FLEX) (M.FLEX) CUTLER-HAMMER (ECS) (HVX) (SVX) SERIES YASKAWA E7

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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
1125 135th ST. ROMEORVILLE, IL 60446
DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO. DESCRIPTION DATE

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

SHEET NUMBER:

E5.10

CONNECTED 17.5 KVA
MAIN: 100 A/MLO
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
DEMAND: 17.52 KVA

PANEL NAME: PL1A
MOUNTING: SURFACE
FED FROM: DP-1
SCCR: 22,000
LOCATION: ELECTRICAL 1112
Panel Notes: PROVIDE LABELING TO INDICATE "PV SYSTEM INTERCONNECTION"

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	Power, "B2"	20 A	1	0.8	1.5			1	20 A Vending, "G"	2
3	Vending, "G"	20 A	1		1.5	1.5		1	20 A Vending, "G"	4
5	Power	20 A	1			0.8	0.4	1	20 A Power	6
7	Power	20 A	1	0.8	0.8			1	20 A Power	8
9	Power	20 A	1		0.5	0.6		1	20 A Power	10
11	Lighting, "C"	20 A	1			0.02	0.2	1	20 A CAB-1	12
13	CAB-2	20 A	1	0.3	0.2			1	20 A UH-4	14
15	Copier	20 A	1		1.9	0.2		1	20 A UH-5	16
17	UH-2	20 A	1			0.2	0.2	1	20 A UH-3	18
19	UH-1	20 A	1	0.2	0			1	20 A SPARE	20
21	CP-2 (344 HP)	25 A	1		1.6	0.8		1	20 A Site Charging Station, "C2"	22
23	WH-1	20 A	1			0.2	0.2	1	20 A Lighting Contactors	24
25	WH-2	20 A	1	0.2	0.5			1	20 A Site Security Camera, "C2"	26
27	Power	20 A	1		0.4	0.8		1	20 A Water Softener	28
29	CP-1 (1 HP)	20 A	2			0.95	0	1	20 A SPARE	30
31				0.95	0			1	20 A SPARE	32
33	SPARE	20 A	1		0	0		1	20 A SPARE	34
35	SPARE	20 A	1			0	0	1	20 A SPARE	36
37	SPARE			0	0				SPARE	38
39	SPARE				0	0			SPARE	40
41	SPARE					0	0		SPARE	42

CONNECTED 114.3 KVA
MAIN: 400 A/MCB
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
DEMAND: 114.34 KVA

PANEL NAME: PL1K
MOUNTING: SURFACE
FED FROM: DP-1
SCCR: 10,000
LOCATION: FOOD PREP 1016
Panel Notes: MAIN CIRCUIT BREAKER SHALL BE PROVIDED WITH SHUNT TRIP

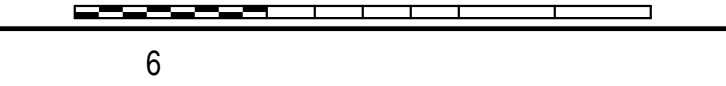
CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.	
1	Walk-in Box, "P"	20 A	1	0.4	0.41			1	20 A Air Curtain	2	
3	Bag and Box Soda System, "G"	20 A	1		0.6	3.33		2	40 A Dishwasher, "C3, "P"	4	
5	Pot Washer, "G"	20 A	1			0.67	3.33		20 A Meat Slicer	6	
7	Ice Cuber, "P, "G"	20 A	1	1.58	0.67			1	20 A Food Processor	8	
9	Induction Range	20 A	1		1.8	0.84		1	20 A Vegetable Dryer	10	
11	Sneeze Guard, "P"	20 A	1			0.6	0.32	1	20 A Tilling Skillet, "C3, "P"	12	
13	Combi Oven, "D4, "P"	60 A	3	5.53	3			3	40 A	14	
15					5.53	3				16	
17						5.53	3			18	
19	Combi Oven, "D4, "P"	60 A	3	5.53	1.8			1	20 A Exhaust Hood, "P"	20	
21					5.53	0.4		1	20 A Power, "G"	22	
23						5.53	0.4	1	20 A Power, "G"	24	
25	Refrigerator, "G"	20 A	1	0.58	0.82			1	20 A Freezer, "G"	26	
27	Refrigerator, "G"	20 A	1		0.7	0.8		1	20 A Refrigerator, "G"	28	
29	Refrigerator, "G"	20 A	1			1.15	0.72	1	20 A Fryer (controls), "G"	30	
31	Fryer, "G"	20 A	1	1.2	1.64			1	20 A Undercounter Refrigerator, "G"	32	
33	Exhaust Hood, "P"	20 A	1		1.8	2.25		2	30 A Microwave Convection Oven, "B2"	34	
35	Servery Front Counter	20 A	1			0.4	2.25			36	
37	Servery Front Counter	20 A	1	0.4	0.58			1	20 A Refrigerator, "G, "B2"	38	
39	Digital Menu	20 A	1		0.4	0.76		1	20 A Refrigerator, "G, "B2"	40	
41	Heat Lamp, "P"	20 A	1			1.1	0.96	1	20 A Undercounter Freeze, "G, "B2"	42	
43	Heat Lamp, "P"	20 A	1	1.1	0.4			1	20 A Refrigerator, "G"	44	
45	Heat Lamp, "P"	20 A	1			1.1	1.42		1	20 A Refrigerator, "G"	46
47	Heat Lamp, "P"	20 A	1			1.1	0.12		1	20 A Heated Shelf Food Warmer, "G"	48
49	Heated Shelf Food Warmer, "G"	20 A	1	0.12	1.12			1	20 A Heated Cabinet, "G"	50	
51	Heated Cabinet, "G"	20 A	1		1.12	1.12		1	20 A Heated Cabinet, "G"	52	
53	Hot Well	15 A	2			0.43	1.1	1	20 A Food Warmer, "G"	54	
55				0.43	1.1			1	20 A Food Warmer, "G"	56	
57	Hot Well	15 A	2			0.43	0	1	20 A SPARE	58	
59						0.43	0	1	20 A SPARE	60	
61					0.8			1	20 A Power	62	
63	SPARE	20 A	1			0	2.5	2	30 A Coffee Maker, "P, "C3"	64	
65	Soda Fountain, "G"	20 A	1			1.8	2.5			66	
67	Ice Maker, "P, "G"	20 A	1	1.7	0.6			1	20 A Power	68	
69	SPARE	20 A	1			0	2.5	2	30 A Cappuccino Machine, "B2"	70	
71	SPARE	20 A	1				0	2.5		72	
73	SPARE	20 A	1	0	2.5			2	30 A Coffee Maker, "P, "C3"	74	
75	Blender, "G"	20 A	1		1.38	2.5				76	
77	SPARE	20 A	1				0	0	1	20 A SPARE	78
79	SPARE	20 A	1	0	0.8			1	20 A Power	80	
81	Power	20 A	1		0.4	0.8		1	20 A Power	82	
83	Power	20 A	1			0.6	0	1	20 A SPARE	84	

BRANCH CIRCUIT WIRING KEY

WIRE ID	THRW / THWN COPPER CONDUCTORS	EQUIPMENT GROUNDING CONDUCTOR	CONDUIT
A#	2#12	3#12	4#12
B#	2#10	3#10	4#10
C#	2#8	3#8	4#8
D#	2#6	3#6	4#6
E#	2#4	3#4	4#4
F#	2#2	3#2	4#2
G#	2#1	3#1	4#1
H#	2#1/0	3#1/0	4#1/0

ALL BRANCH CIRCUITS SHALL INCLUDE THE EQUIPMENT GROUND CONDUCTOR.

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Issue Design Firm Registration #14-005771
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CONNECTED 14.2 KVA
MAIN: 125 A/MLO
VOLTS: 480/277 Wye
PHASE: 3
WIRE: 4
DEMAND: 14.19 KVA

PANEL NAME: LH2
MOUNTING: SURFACE
FED FROM: MDP
SCCR: 18,000
LOCATION: ELEC. 2108
Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	Lighting, "C"	20 A	1	1.56	0.5			1	20 A Lighting	2
3	Lighting, "B2"	20 A	1		2.96	1.52		1	20 A Lighting, "C"	4
5	Lighting, "B2"	20 A	1			2.12	2.19	1	20 A Lighting	6
7	Lighting, "B2"	20 A	1	1.57	1.78			1	20 A Lighting	8
9	SPARE	20 A	1		0	0		1	20 A SPARE	10
11	SPARE	20 A	1			0	0	1	20 A SPARE	12
13	SPARE	20 A	1	0	0			1	20 A SPARE	14
15	SPARE	20 A	1		0	0		1	20 A SPARE	16
17	SPARE	20 A	1			0	0	1	20 A SPARE	18
19	SPARE	20 A	1	0	0			1	20 A SPARE	20
21	SPARE	20 A	1		0	0		1	20 A SPARE	22
23	SPARE	20 A	1			0	0	1	20 A SPARE	24
25	SPARE	20 A	1	0	0			1	20 A SPARE	26
27	SPARE	20 A	1		0	0		1	20 A SPARE	28
29	SPARE	20 A	1			0	0	1	20 A SPARE	30
31	SPARE	20 A	1	0	0			1	20 A SPARE	32
33	SPARE				0	0			SPARE	34
35	SPARE					0	0		SPARE	36
37	SPARE			0	0				SPARE	38
39	SPARE				0	0			SPARE	40
41	SPARE					0	0		SPARE	42

CONNECTED 16.6 KVA
MAIN: 100 A/MLO
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
DEMAND: 16.56 KVA

PANEL NAME: PL1C
MOUNTING: SURFACE
FED FROM: DP-1
SCCR: 10,000
LOCATION: STORAGE 1031
Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	Power	20 A	1	0.6	0.8			1	20 A Power	2
3	Power	20 A	1		1.1	1		1	20 A Projector	4
5	Motorized Screen, "B2"	20 A	1			2	0.6	1	20 A Power	6
7	Power, "B2"	20 A	1	1				1	20 A Projector, "B2"	8
9	Projector, "B2"	20 A	1		1	1.3		1	20 A Power, "B2"	10
11	Power, "B2"	20 A	1			0.8	1.6	1	20 A Motorized Shades, "C2"	12
13	Motorized Shades, "C2"	20 A	1	1.6	0.06			1	20 A Lighting	14
15	SPARE	20 A	1		0	0.6		1	20 A Motorized Shades	16
17	Microwave, "B2"	20 A	1			1.5	0.2	1	20 A Power, "B2"	18
19	Power, "B2"	20 A	1	0.4	0.4			1	20 A Power, "B2"	20
21	SPARE	20 A	1			0	0	1	20 A SPARE	22
23	SPARE	20 A	1			0	0	1	20 A SPARE	24
25	SPARE	20 A	1	0	0			1	20 A SPARE	26
27	SPARE	20 A	1		0	0		1	20 A SPARE	28
29	SPARE	20 A	1			0	0	1	20 A SPARE	30
31	SPARE	20 A	1	0	0			1	20 A SPARE	32
33	SPARE				0	0			SPARE	34
35	SPARE					0	0		SPARE	36
37	SPARE			0	0				SPARE	38
39	SPARE				0	0			SPARE	40
41	SPARE					0	0		SPARE	42

CONNECTED 22.3 KVA
MAIN: 100 A/MLO
VOLTS: 120/208 Wye
PHASE: 3
WIRE: 4
DEMAND: 22.3 KVA

PANEL NAME: PL1E
MOUNTING: SURFACE
FED FROM: DP-1
SCCR: 10,000
LOCATION: STORAGE 1031
Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	Power	20 A	1	1	1.7			1	20 A Power	2
3	Power	20 A	1		1.7	1.7		1	20 A Power	4
5	Power	20 A	1			1.2	0.8	1	20 A Power	6
7	Power	20 A	1	0.8	0.3			1	20 A CAB-6, "B2"	8
9	CAB-7, "B2"	20 A	1		0.2	0.1		1	20 A CAB-11	10
11	CAB-12	20 A	1			0.1				12
13	Power	20 A	1	0.8	0.8			1	20 A Power	14
15	Power, "B2"	20 A	1		0.4	0.8		1	20 A Power	16
17	Power, "B2"	20 A	1			0.6	0.8	1	20 A Power, "B2"	18
19	Power, "B2"	20 A	1	0.8	0.8			1	20 A Power, "B2"	20
21	Power, "B2"	20 A	1		0.4	0.8		1	20 A Power, "B2"	22
23	Power, "B2"	20 A	1			0.4	0.7	1	20 A Power, "B2"	24
25	Power, "B2"	20 A	1	0.4	0.4			1	20 A Power, "B2"	26
27	Power, "B2"	20 A	1		0.4	0.4		1	20 A Power, "B2"	28
29								1	20 A Power	30
31	Power, "B2"	20 A	1	1.6	0.4			1	20 A Power	32
33	SPARE	20 A	1			0	0	1	20 A SPARE	34
35	SPARE	20 A	1			0	0	1	20 A SPARE	36
37	SPARE</									



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 P: 312.496.0000

STRUCTURAL AND MEP/FP ENGINEERING
 KJWW ENGINEERING CONSULTANTS
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FOOD SERVICE CONSULTANT
 CINI LITTLE INTERNATIONAL, INC.
 200 E. HOWARD AVE., SUITE 212
 DES PLAINES, IL 60018
 P: 847.258.0088

JOLIET JUNIOR COLLEGE
ROMEOWILLE CAMPUS EXPANSION
 1125 135th ST. ROMEOWILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

SHEET NUMBER:

E5.11

CONNECTED 17.9 KVA
 MAIN: 100 A/MLO
 VOLTS: 120/208 Wye
 PHASE: 3
 WIRE: 4
 DEMAND: 17.9 KVA

PANEL NAME: PL2C
 TYPE: BOLT-ON
 MOUNTING: SURFACE
 FED FROM: DP-2
 SCRR: 10.000
 LOCATION: ELEC. 2108

Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	A			B			C			POLES	AMP	LOAD DESCRIPTION	CKT NO.
			1	2	3	1	2	3	1	2	3				
1	CAB-10, "B2	20 A	1	0.3	0.4							1	20 A	Power, "B2	2
3	Power	20 A	1			0.4	0.6					1	20 A	Power	4
5	Power, "B2	20 A	1					0.4	0.6			1	20 A	Power	6
7	Power	20 A	1	0.4	0.3							1	20 A	Projector, "B2	8
9	Power, "B2	20 A	1			0.6	0.4					1	20 A	Power	10
11	Projector	20 A	1					1	0.4			1	20 A	Power	12
13	Power	20 A	1	0.4	0.4							1	20 A	Power	14
15	Power	20 A	1			0.4	0.4					1	20 A	Power	16
17	Power	20 A	1					0.4	0.4			1	20 A	Power	18
19	Power	20 A	1	0.4	1							1	20 A	Power, "B2	20
21	SPARE	20 A	1			0	0.8					1	20 A	Power, "B2	22
23	Power, "B2	20 A	1					0.8	0.8			1	20 A	Power, "B2	24
25	Power, "B2	20 A	1	0.4	0.4							1	20 A	Power, "B2	26
27	Power, "B2	20 A	1			0.4	0.4					1	20 A	Power, "B2	28
29	Power, "B2	20 A	1					0.8	0.8			1	20 A	Power, "B2	30
31	Power, "B2	20 A	1	0.8	0.3							1	20 A	Projector, "B2	32
33	Power, "B2	20 A	1			1	0.6					1	20 A	Power	34
35	SPARE	20 A	1					0	0			1	20 A	SPARE	36
37	SPARE	20 A	1	0	0							1	20 A	SPARE	38
39	SPARE	20 A	1			0	0					1	20 A	SPARE	40
41	SPARE	20 A	1					0	0			1	20 A	SPARE	42
Total Load:				5.5 KVA	6 KVA			6.4 KVA							
Total Amps:				45.83	50.64			53.97							

[Key:]

CONNECTED 16.8 KVA
 MAIN: 100 A/MLO
 VOLTS: 120/208 Wye
 PHASE: 3
 WIRE: 4
 DEMAND: 16.8 KVA

PANEL NAME: PL2B
 TYPE: BOLT-ON
 MOUNTING: SURFACE
 FED FROM: DP-2
 SCRR: 10.000
 LOCATION: STORAGE 2105

Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	A			B			C			POLES	AMP	LOAD DESCRIPTION	CKT NO.
			1	2	3	1	2	3	1	2	3				
1	CAB-9	20 A	1	0.3	1.6							1	20 A	Power, "B2	2
3	Projector	20 A	1			0.3	1					1	20 A	Power, "B2	4
5	Power, "B2	20 A	1					1	1			1	20 A	Power	6
7	Power	20 A	1	1	0.3							1	20 A	Projector	8
9	Power	20 A	1			1.2	1					1	20 A	Power	10
11	Projector	20 A	1					0.3	0.8			1	20 A	Power	12
13	Hand Dryer, "P	20 A	1	1.4	1.4							1	20 A	Hand Dryer, "P	14
15	Hand Dryer, "P	20 A	1			1.4	1					1	20 A	Power	16
17	Hand Dryer, "P	20 A	1					1.4	0.4			1	20 A	Power	18
19	SPARE	20 A	1	0	0							1	20 A	SPARE	20
21	SPARE	20 A	1			0	0					1	20 A	SPARE	22
23	SPARE	20 A	1					0	0			1	20 A	SPARE	24
25	SPARE	20 A	1	0	0							1	20 A	SPARE	26
27	SPARE	20 A	1			0	0					1	20 A	SPARE	28
29	SPARE	20 A	1					0	0			1	20 A	SPARE	30
31	SPARE	20 A	1	0	0							1	20 A	SPARE	32
33	SPARE	20 A	1			0	0					1	20 A	SPARE	34
35	SPARE	20 A	1					0	0			1	20 A	SPARE	36
37	SPARE	20 A	1	0	0							1	20 A	SPARE	38
39	SPARE	20 A	1			0	0					1	20 A	SPARE	40
41	SPARE	20 A	1					0	0			1	20 A	SPARE	42
Total Load:				6 KVA	5.9 KVA			4.9 KVA							
Total Amps:				51.28	50.45			40.83							

[Key:] "P"=PADLOCK HASP

CONNECTED 4 KVA
 MAIN: 125 A/MLO
 VOLTS: 480/277 Wye
 PHASE: 3
 WIRE: 4
 DEMAND: 3.96 KVA

PANEL NAME: LSH
 TYPE: Type 1
 MOUNTING: SURFACE
 FED FROM: ATS-LS
 SCRR: 42.000
 LOCATION: EMERGENCY ELEC. 1114

Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	A			B			C			POLES	AMP	LOAD DESCRIPTION	CKT NO.
			1	2	3	1	2	3	1	2	3				
1	Lighting (Exterior Lighting), "C	20 A	1	0.69	1.81							1	20 A	Lighting	2
3	Lighting	20 A	1			1.22	0.11					1	20 A	Lighting (EXIT SIGN LEVEL-1)	4
5	Lighting (EXIT SIGN LEVEL-2)	20 A	1					0.03	0.03			3	30 A	SPD-B3H, "1L, "CB	6
7	Power	20 A	1	0.03								--	--		8
9	SPARE	20 A	1			0	0.03					--	--		10
11	SPARE	20 A	1					0	0			1	20 A	SPARE	12
13	Power	20 A	1							0		1	20 A	SPARE	14
15	SPARE	20 A	1									1	20 A	SPARE	16
17	SPARE	20 A	1							0	0	1	20 A	SPARE	18
19	SPARE	20 A	1	0	0							1	20 A	SPARE	20
21	SPARE	20 A	1					0	0			1	20 A	SPARE	22
23	SPARE	20 A	1							0	0	1	20 A	SPARE	24
25	SPARE	20 A	1	0	0							1	20 A	SPARE	26
27	SPARE	20 A	1					0	0			1	20 A	SPARE	28
29	SPARE	20 A	1							0	0	1	20 A	SPARE	30
31	SPARE	20 A	1	0	0							--	--		32
33	SPARE	20 A	1			0	0					--	--		34
35	SPARE	20 A	1					0	0			--	--		36
37	SPARE	20 A	1	0	0							--	--		38
39	SPARE	20 A	1			0	0					--	--		40
41	SPARE	20 A	1					0	0			--	--		42
Total Load:				2.54 KVA	1.36 KVA			0.06 KVA							
Total Amps:				9.88	5.64			0.21							

[Key:] "1L"= SEE ONE LINE SHEETS FOR WIRE SIZE; "C" THRU CONTACTOR; "CB"=VERIFY CIRCUIT BREAKER SIZE WITH SELECTED SPD MANUFACTURER

CONNECTED 22.1 KVA
 MAIN: 100 A/MLO
 VOLTS: 120/208 Wye
 PHASE: 3
 WIRE: 4
 DEMAND: 22.1 KVA

PANEL NAME: PL2E
 TYPE: BOLT-ON
 MOUNTING: SURFACE
 FED FROM: DP-2
 SCRR: 10.000
 LOCATION: ELEC. 2108

Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	A			B			C			POLES	AMP	LOAD DESCRIPTION	CKT NO.
			1	2	3	1	2	3	1	2	3				
1	Power	20 A	1	0.4	0.8							1	20 A	Power	2
3	Power	20 A	1			0.8	0.8					1	20 A	Power	4
5	Projector	20 A	1					0.3	0.6			1	20 A	Power	6
7	Power	20 A	1	0.8	1							1	20 A	Power	8
9	Power	20 A	1			1	1					1	20 A	Power	10
11	Power	20 A	1					1	0.4			1	20 A	Power	12
13	Power	20 A	1	1.2	1.9							1	20 A	Copier	14
15	Copier	20 A	1			1.9	0.8					1	20 A	Power	16
17	Power	20 A	1					0.6	0.8			1	20 A	Power	18
19	Power, "B2	20 A	1	0.6	0.2							1	20 A	LC-SECOND CORR	20
21	EF-4	20 A	2			1.15	1.15					2	20 A	EF-5	22
23	Power	20 A	1					1.15	1.15			--	--		24
25	Heat Trace, "G, "C2	20 A	1	0.4	0							1	20 A	SPARE	26
27	Heat Trace, "G, "C2	20 A	1			0.4	0					1	20 A	SPARE	28
29	SPARE	20 A	1					0	0			1	20 A	SPARE	30
31	SPARE	20 A	1	0	0							1	20 A	SPARE	32
33	SPARE	20 A	1			0	0					1	20 A	SPARE	34
35	SPARE	20 A	1					0	0			--	--		36
37	SPARE	20 A	1	0	0							--	--		38
39	SPARE	20 A	1			0	0					--	--		40
41	SPARE	20 A	1					0	0			--	--		42
Total Load:				7.3 KVA	9 KVA			6 KVA							
Total Amps:				62.5	76.67			50							

[Key:] "G"=30mA GFI BREAKER

CONNECTED 20.9 KVA
 MAIN: 100 A/MLO
 VOLTS: 120/208 Wye
 PHASE: 3
 WIRE: 4
 DEMAND: 20.85 KVA

PANEL NAME: PL2A
 TYPE: BOLT-ON
 MOUNTING: SURFACE
 FED FROM: DP-2
 SCRR: 10.000
 LOCATION: STORAGE 2105



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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

PANEL NAME: EQH

CONNECTED 71.1 kVA

TYPE: Type 1
 MOUNTING: SURFACE
 FED FROM: AT5-EQ
 SCCR: 42,000
 LOCATION: EMERGENCY ELEC. 1114

SOLID NEUTRAL
GROUND BUS

MAIN: 125 A/MLO
 VOLTS: 480/277 Wye
 PHASE: 3
 WIRE: 4
 DEMAND: 71.15 kVA

Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.
1	Lighting	20 A	1	0.89	0.78		1	20 A	Lighting	2
3	PANEL EQL VIA TR-45, *1L	70 A	3		15.5	2.93	3	20 A	P-1, *A3	4
5	--	--	--	--	--	12.79	2.93	--	--	6
7	--	--	--	12.78	2.93			--	--	8
9	BLR-1, *A4	20 A	3		1.8	1.8	3	20 A	BLR-2, *A4	10
11	--	--	--	--	--	1.8	1.8	--	--	12
13	--	--	--	1.8	1.8			--	--	14
15	SPARE	20 A	1		0	2.93		3	20 A	P-2, *A3
17	SPARE	20 A	1			0	2.93	--	--	18
19	SPARE	20 A	1	0	2.93			--	--	20
21	SPARE	20 A	1		0	0		1	20 A	SPARE
23	SPARE	20 A	1			0	0	1	20 A	SPARE
25	SPARE	20 A	1	0	0			1	20 A	SPARE
27	SPARE	20 A	1		0	0		1	20 A	SPARE
29	SPARE	20 A	1			0	0	1	20 A	SPARE
31	SPACE	--	--	0	0			--	--	32
33	SPACE	--	--		0	0		--	--	34
35	SPACE	--	--			0	0	--	--	36
37	SPACE	--	--	0	0			--	--	38
39	SPACE	--	--		0	0		--	--	40
41	SPACE	--	--			0	0	--	--	42
Total Load:				23.93 kVA	24.96 kVA	22.26 kVA				
Total Amps:				87.31	91.04	80.36				

[Key:] *1L= SEE ONE LINE SHEETS FOR WIRE SIZE

PANEL NAME: EQL

CONNECTED 41.1 kVA

TYPE: Type 1
 MOUNTING: SURFACE
 FED FROM: PANEL 'EQH' VIA TR-45
 SCCR: 10,000
 LOCATION: EMERGENCY ELEC. 1114

SOLID NEUTRAL
GROUND BUS

MAIN: 160 A/MCB
 VOLTS: 120/208 Wye
 PHASE: 3
 WIRE: 4
 DEMAND: 41.07 kVA

Panel Notes:

CKT NO.	LOAD DESCRIPTION	AMP	POLES	A	B	C	POLES	AMP	LOAD DESCRIPTION	CKT NO.	
1	SPD-B3L, *1L, *CB	30 A	3	0.01	0.5		1	20 A	Tech Rack, *B2	2	
3	--	--	--	--	0.01	0.5	1	20 A	Tech Rack, *B2	4	
5	--	--	--	--	--	0.01	0.5	1	20 A	Tech Rack, *B2	
7	Power	20 A	1	0.4	0.6		1	20 A	Power	8	
9	Sec. Access Control Panel, *B2	20 A	1		0.5	0.5	1	20 A	Tech Rack, *C2	10	
11	Sec. Access Control Panel, *B2	20 A	1		0.5	0.5	1	20 A	Tech Rack, *C2	12	
13	Sec. Access Control Panel, *B2	20 A	1	0.5	0.5		1	20 A	Tech Rack, *C2	14	
15	Tech Rack, *C2	20 A	1		0.5	0.5	1	30 A	Server, *C2	16	
17	Tech Rack, *C2	20 A	1			0.5	0.5	1	20 A	Sec. Access Control Panel, *C2	
19	Tech Rack, *C2	20 A	1	0.5	0.5		1	20 A	Sec. Access Control Panel, *C2	20	
21	Tech Rack, *C2	20 A	1		0.5	0.5	1	20 A	Sec. Access Control Panel, *C2	22	
23	Kitchen Fire Suppression Sys	20 A	1			0.8	5.33	3	60 A	Remote Refrig Rack, *D4	
25	Evaporator Coil, *B3	20 A	2	1.56	5.33			--	--	26	
27	--	--	--	--	1.56	5.33	--	--	--	28	
29	SP-1, *B2	20 A	1			0.2	0.2	1	20 A	ELEV SHUNT TRIP, *H	
31	Server, *B2	30 A	1	0.5	1.15			1	20 A	Refrigerator, *G	
33	Tech Rack, *B2	20 A	1		0.5	0.8		1	20 A	Power, *B2	
35	Tech Rack, *B2	20 A	1		0.5	0.8	0.5	0.8	1	20 A	Door Operator, *C2
37	Plumbing Sensor, *B2	20 A	1	2	0.25			2	20 A	CRU-2 & CU-2, *B2	
39	SPARE	20 A	1		0	0.25		--	--	40	
41	Door Operator, *B2	20 A	1			0.2	2	1	20 A	Plumbing Sensor, *B2	
43	Door Operator, *B2	20 A	1	0.4	0.2			1	20 A	Power, *B2	
45	CRU-1 & CU-1, *B2	20 A	2		0.25	0.6		1	20 A	Power, *B2	
47	--	--	--	--	--	0.25	0.2	1	20 A	Tech Rack, *C2	
49	Power	20 A	1	0.6	0			1	20 A	SPARE	
51	Boiler Shutoff, C-BLR	20 A	1		0.1	0		1	20 A	SPARE	
53	SPARE	20 A	1			0	0	1	20 A	SPARE	
55	SPARE	20 A	1	0	0			1	20 A	SPARE	
57	SPARE	20 A	1		0	0		1	20 A	SPARE	
59	SPARE	20 A	1			0	0	1	20 A	SPARE	
61	SPARE	20 A	1	0	0			1	20 A	SPARE	
63	SPARE	20 A	1		0	0		1	20 A	SPARE	
65	SPARE	20 A	1			0	0	1	20 A	SPARE	
67	SPARE	20 A	1	0	0			1	20 A	SPARE	
69	SPARE	20 A	1		0	0		1	20 A	SPARE	
71	SPARE	20 A	1			0	0	1	20 A	SPARE	
73	SPARE	20 A	1	0	0			1	20 A	SPARE	
75	SPACE	--	--		0	0		--	--	76	
77	SPACE	--	--			0	0	--	--	78	
79	SPACE	--	--	0	0			--	--	80	
81	SPACE	--	--		0	0		--	--	82	
83	SPACE	--	--			0	0	--	--	84	
Total Load:				15.51 kVA	12.9 kVA	12.99 kVA					
Total Amps:				129.33	107.53	108.39					

[Key:] *1L= SEE ONE LINE SHEETS FOR WIRE SIZE; *CB=VERIFY CIRCUIT BREAKER SIZE WITH SELECTED SPD MANUFACTURER

BRANCH CIRCUIT WIRING KEY

WIRE ID	THHW / THWN COPPER CONDUCTORS			EQUIPMENT GROUNDING CONDUCTOR	CONDUIT
	2 WIRE	3 WIRE	4 WIRE		
A#	2#12	3#12	4#12	1#12	3/4"
B#	2#10	3#10	4#10	1#10	3/4"
C#	2#8	3#8	4#8	1#10	3/4"
D#	2#6	3#6	4#6	1#10	1"
E#	2#4	3#4	4#4	1#8	1 1/4"
F#	2#2	3#2	4#2	1#8	1 1/4"
G#	2#1	3#1	4#1	1#6	1 1/2"
H#	2#1/0	3#1/0	4#1/0	1#6	2"

ALL BRANCH CIRCUITS SHALL INCLUDE THE EQUIPMENT GROUND CONDUCTOR.

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PROJECT # 14-043-00
 DESIGN FIRM REGISTRATION #14-00073

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REFERENCE SCALE IN INCHES
 0 1 2 3

SHEET STATUS: 9/21/15

ISSUED FOR CONSTRUCTION

NO. DESCRIPTION: DATE:

SHEET TITLE:
ELECTRICAL PANEL SCHEDULES

SHEET NUMBER:

E5.12



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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
ELECTRICAL ONE LINE DIAGRAM-NORMAL

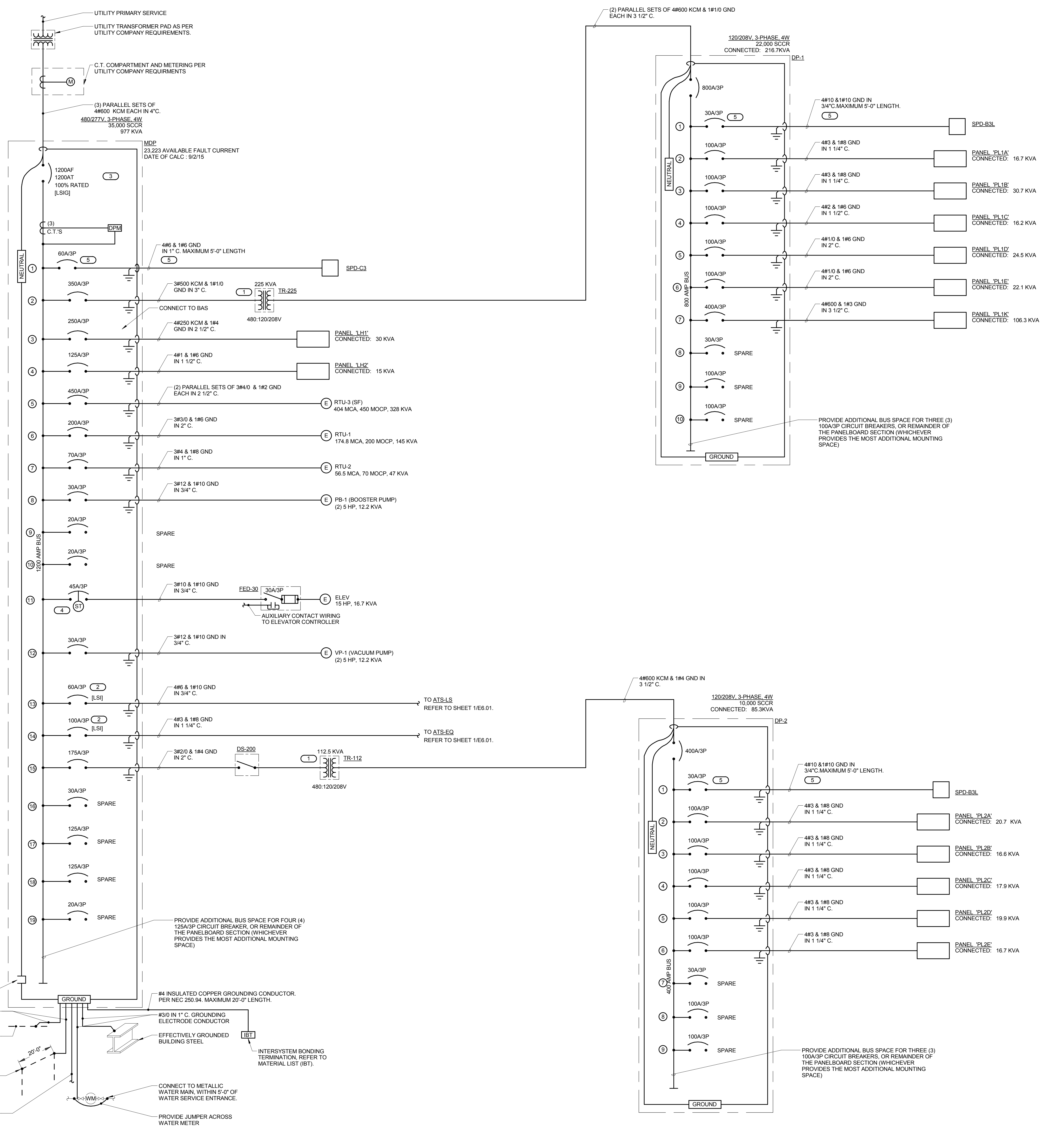
SHEET NUMBER:
E6.00

- KEYNOTES (E)**
- REFER TO 265.01 FOR TRANSFORMER WIRING DETAIL.
 - THIS BRANCH REQUIRES SELECTIVE COORDINATION OF ALL SUPPLY SIDE OVER CURRENT DEVICES WITH BRANCH DEVICES. REFER TO SPECIFICATION SECTION 26 05 73 FOR ADDITIONAL REQUIREMENTS.
 - SERVICE ENTRANCE DISCONNECT SHALL BE CLEARLY LABELED TO IDENTIFY THERE IS A PHOTOVOLTAIC SYSTEM INTERCONNECTION. REFER TO SPECIFICATION SECTION 31 00 FOR ADDITIONAL INFORMATION.
 - REFER TO 564.01 FOR ELEVATOR SHUNT TRIP WIRING DIAGRAM.
 - VERIFY ELECTRICAL REQUIREMENTS WITH SELECTED MANUFACTURER.

- GENERAL SHEET NOTES**
- REFER TO SHEET E0.00 FOR GENERAL INSTALLATION NOTES AND ELECTRICAL SYMBOL LIST.
 - REFER TO SHEETS E5.10 THROUGH E5.12 FOR PANEL SCHEDULES.
 - REFER TO E5.02 FOR TRANSFORMER, TRANSFER SWITCH, VFD, CONTACTOR, AND DISCONNECT AND STARTER SCHEDULES.

ONE LINE DIAGRAM NOTES

- SCCR RATINGS LISTED FOR EQUIPMENT ARE MINIMUM REQUIREMENTS FOR BUS BRACING AND DEVICE RATING. ALL EQUIPMENT SHALL BE FULLY RATED UNLESS SPECIFICALLY NOTED AS SERIES RATED.
- INDICATES DIRECT CONNECTION OF GROUND CONDUCTOR TO GROUND BUS.
- INDICATES O.Z. GEDNEY OR EQUAL GROUND BUSHING BONDED TO GROUND BUS WITH CONDUCTOR SIZED TO MAXIMUM FEEDER GROUND CAPACITY.
- AF INDICATES MOLDED/INSULATED CASE BREAKER FRAME SIZE, FOR ADJUSTABLE TRIP BREAKERS.
- AT INDICATES MOLDED/INSULATED CASE BREAKER TRIP UNIT RATING, FOR ADJUSTABLE TRIP BREAKERS.
- [LSIG] INDICATES FEATURES PROVIDED WITH SOLID STATE CIRCUIT BREAKER (LONG TIME (W/DELAY), SHORT TIME (W/DELAY), INSTANTANEOUS, GROUND FAULT).
- CONDUCTOR AND CONDUIT SIZES ON THE LINE AND LOAD SIDES OF ALL VFD'S AND DISCONNECT SWITCHES SHALL BE IDENTICAL UNLESS NOTED OTHERWISE.
- [DPM] INDICATES DIGITAL POWER MONITOR.
- [M] INDICATES KILOWATT-HOUR METER AS SUPPLIED BY UTILITY COMPANY.
- [E] INDICATES CURRENT TRANSFORMER, SIZE AS SPECIFIED.
- [ST] INDICATES SHUNT TRIP BREAKER.



1 ELECTRICAL ONE LINE DIAGRAM - NORMAL

NO SCALE

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 DESIGN FIRM REGISTRATION #14-005-0073

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REFERENCE SCALE IN INCHES
 0 1 2 3



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 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
TECHNOLOGY COVER SHEET

SHEET NUMBER:

T0.00

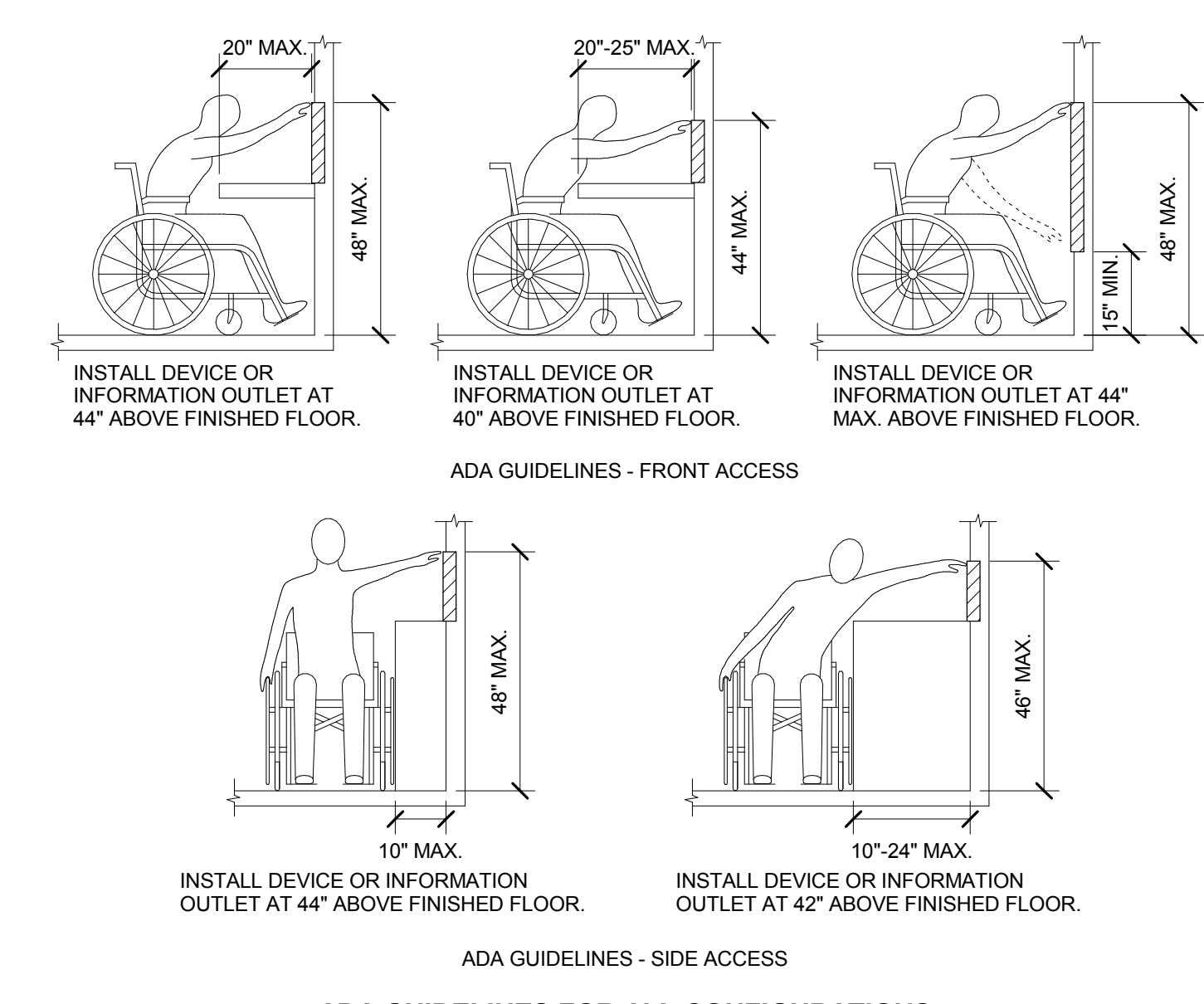
TECHNOLOGY SYMBOL LIST			
SYMBOL	EQUIPMENT LIST ABBREVIATION	DESCRIPTION	NOTES:
DS	SC-IO-C	DIGITAL SIGNAGE LOCATION (CEILING)	.
C#	SC-IO-C	INFORMATION OUTLET (CEILING)	1.
C#-WAP	SC-IO-C	WIRELESS ACCESS POINT DEVICE/ENCLOSURE (CEILING)	.
C#	SC-IO-W	INFORMATION OUTLET (WALL)	1.
DS	SC-IO-W	DIGITAL SIGNAGE LOCATION - WALL	.
W	SC-WP-W	WALL PHONE	.
C#	SC-IO-FB	ELECTRICAL FLOOR BOX WITH TECHNOLOGY	1, 4.
R#	SC-R#-W	INFORMATION OUTLET ROUGH-IN (WALL)	.
CR1	AC-CR1-W	CREDENTIAL READER - TYPE 1	3.
LD	AC-LD-W	DOOR LOCK DOWN DEVICE ROUGH-IN	3.
CSS	N/A	CONTROLLED SECURITY SCHEME SCHEDULE IDENTIFIER	3.
S1	PA-S1-C	FACILITY PAGING SPEAKER - TYPE 1 (CEILING)	.
SP1	AV-SP1-C	PERFORMANCE AUDIO SPEAKER (CEILING) - TYPE 1	.
SP2	AV-SP2-C	PERFORMANCE AUDIO SPEAKER (CEILING) - TYPE 2	.
EP	IC-EP-W	EMERGENCY PHONE - WALL	.
C1	CC-C1-W	WIRELESS ANALOG CLOCK - WALL	.
WP1	AV-WP1-W	AV INPUT WALL PLATE - TYPE 1	.
AV	AV-WP2-W	AV INPUT WALL PLATE - TYPE 2	.
AV2	AV-RCV-1	AV OUTLET (CEILING)	.

GENERAL NOTES:

- ALL SYMBOLS AND ABBREVIATIONS LISTED MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR MORE COMPLETE DESCRIPTION AND ITEMS.
- ALL SYMBOLS AND ABBREVIATIONS REFER TO TECHNOLOGY SHEETS ONLY AS DEFINED ON THE SHEET INDEX. REFER TO THE GENERAL TECHNOLOGY NOTES FOR ADDITIONAL INFORMATION.
- ALL SYMBOLS LISTED ABOVE ARE FOR REFERENCE ONLY. REFER TO PLANS AND LINE TYPES KEY FOR NEW, EXISTING TO REMAIN AND TO BE REMOVED ITEMS FOR ADDITIONAL INFORMATION.

TECHNOLOGY SYMBOL NOTES:

- "C#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T0.00 FOR ADDITIONAL INFORMATION.
- SYMBOL SUBSCRIPT INDICATES DEVICE TYPE. REFER TO EQUIPMENT SCHEDULE ON T6.00 FOR ADDITIONAL INFORMATION.
- REFER TO CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE ON T5.00 FOR ADDITIONAL INFORMATION.
- INFORMATION OUTLET INSTALLED IN E.C. PROVIDED FLOOR BOX. "C#" INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION. REFER TO INFORMATION OUTLET SCHEDULE ON T0.00 FOR ADDITIONAL INFORMATION. REFER TO THE ELECTRICAL FLOOR PLANS AND ELECTRICAL EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.



FIRE BARRIER DESIGNATIONS

THE SYMBOLS SHOWN ARE FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR SHALL VERIFY RATINGS WITH THE LATEST SET OF ARCHITECTURAL PLANS AND FURNISH ALL MATERIALS REQUIRED TO COMPLY WITH THOSE RATINGS WHETHER SHOWN OR NOT.

ALL FLOOR, FLOOR CEILING, AND ROOF CEILING ASSEMBLIES SHALL BE DESIGNATED AS 1 HOUR FIRE BARRIER(S), UNLESS NOTED OTHERWISE ON THE PLANS. RATINGS WERE ACQUIRED FROM THE ARCHITECTURAL PLANS DATED 08/12/2015.

1 HOUR FIRE BARRIER	-----
---------------------	-------

TECHNOLOGY SHEET INDEX

T0.00	TECHNOLOGY COVER SHEET
T1.11	LEVEL 1 PLAN - WEST - TECHNOLOGY
T1.12	LEVEL 1 PLAN - EAST - TECHNOLOGY
T1.21	LEVEL 2 PLAN - WEST - TECHNOLOGY
T1.22	LEVEL 2 PLAN - EAST - TECHNOLOGY
T3.00	ENLARGED PLANS - TECHNOLOGY
T4.00	TECHNOLOGY DETAILS
T4.01	TECHNOLOGY DETAILS
T5.00	TECHNOLOGY DETAILS AND SCHEDULES
T6.00	TECHNOLOGY EQUIPMENT SCHEDULE

SUGGESTED MATRIX OF SCOPE RESPONSIBILITY

ITEM:	SHOWN ON:	FURNISHED BY:	INSTALLED BY:	NOTES:
TECHNOLOGY ROUGH-IN. REFER TO GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR DEFINITION	T-SERIES	E.C.	E.C.	3, 4.
INFORMATION OUTLET FACEPLATES, JACKS, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CONDUIT SLEEVES (WHEN SHOWN ON DRAWINGS)	T-SERIES	E.C.	E.C.	
CONDUIT SLEEVES (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	T.C.	2, 4.
TELECOMMUNICATION SYSTEMS ROUGH-IN	T-SERIES	T.C.	E.C.	1.
TELECOMMUNICATION EQUIPMENT, CABLING, AND TERMINATIONS	T-SERIES	T.C.	T.C.	
CABLE TRAY (INCLUDING WIRE BASKET TRAY) REFER TO SPECIFICATION SECTION 27 05 28 FOR DEFINITION	T-SERIES	E.C.	E.C.	
LADDER RACK	T-SERIES	T.C.	T.C.	5.
GROUNDING LUGS ON TECHNOLOGY EQUIPMENT	T-SERIES	T.C.	E.C.	6.
BONDING SYSTEM FOR TECHNOLOGY SYSTEM. REFER TO SPECIFICATION SECTION 27 05 26 FOR DEFINITION	T-SERIES	E.C.	E.C.	7, 8.
CONNECTION OF TECHNOLOGY BONDING SYSTEM TO THE ELECTRICAL GROUND SYSTEM	T-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (+120V OR GREATER)	E-SERIES	E.C.	E.C.	
LINE VOLTAGE POWER (NOT SHOWN BUT REQUIRED FOR PROPER INSTALLATION OF SYSTEM)	N/A	T.C.	E.C.	2, 4.
LINE VOLTAGE POWER FOR DOOR HARDWARE POWER SUPPLIES	ARCH SPEC	E.C.	E.C.	
LOW VOLTAGE CABLING FOR TECHNOLOGY SYSTEMS	T-SERIES	T.C.	T.C.	
CABLE HANGERS AND SUPPORTS OR OTHER CABLE ROUTING METHODS (OTHER THAN CONDUIT AND CABLE TRAY)	T-SERIES	T.C.	T.C.	5.
TECHNOLOGY SERVICE ENTRANCE CONDUITS, HANDHOLES, AND MANHOLES	E-SERIES	E.C.	E.C.	
FLOOR BOX (ROUGH-IN)	T & E SERIES	E.C.	E.C.	

SUGGESTED MATRIX OF SCOPE RESPONSIBILITY NOTES

- LOCATIONS OF TELECOMMUNICATIONS ROUGH-INS SHALL BE INDICATED BY THE INFORMATION OUTLET SYMBOLS ON THE CONTRACT DOCUMENTS. REFER TO THE TECHNOLOGY SYMBOL LIST FOR ADDITIONAL INFORMATION.
- BASED ON THE INHERENT DIFFERENCES IN PRODUCTS FROM VARIOUS MANUFACTURERS, ALL REQUIRED EQUIPMENT MAY NOT BE SHOWN ON THE DRAWINGS FOR ALL ACCEPTABLE MANUFACTURERS.
- INCLUDES BACKBOXES AND CONDUIT REQUIRED FOR THE TECHNOLOGY SYSTEMS INSTALLATION. THE E.C. SHALL BASE THE BID ON THE BASIS OF DESIGN SHOWN ON THE CONTRACT DOCUMENTS.
- ALL CHANGES TO THE SLEEVES, BACKBOXES, CONDUITS, AND POWER REQUIRED BECAUSE OF THE T.C.'S SELECTION OF AN ALTERNATE ACCEPTABLE MANUFACTURER (OR FROM SYSTEM CONFIGURATIONS THAT ARE LEFT TO THE CHOICE OF THE CONTRACTOR) SHALL BE INCLUDED IN THE T.C.'S BID. THIS BID SHALL INCLUDE INSTALLATION BY A LICENSED ELECTRICIAN.
- UNLESS TRADE RULES DICTATE OTHERWISE.
- FURNISHED AS PART OF THE EQUIPMENT WHEN POSSIBLE, OR FURNISHED TO THE E.C. FOR INSTALLATION IN THE FIELD.
- INCLUDES ALL CONDUCTORS, GROUND BARS, AND TERMINATIONS FOR THE COMPLETE BONDING SYSTEM REQUIRED BY THE SPECIFICATIONS.
- REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF PANELS AND SWITCHBOARDS SHOWN IN THE TECHNOLOGY BONDING RISER DIAGRAM AND TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.

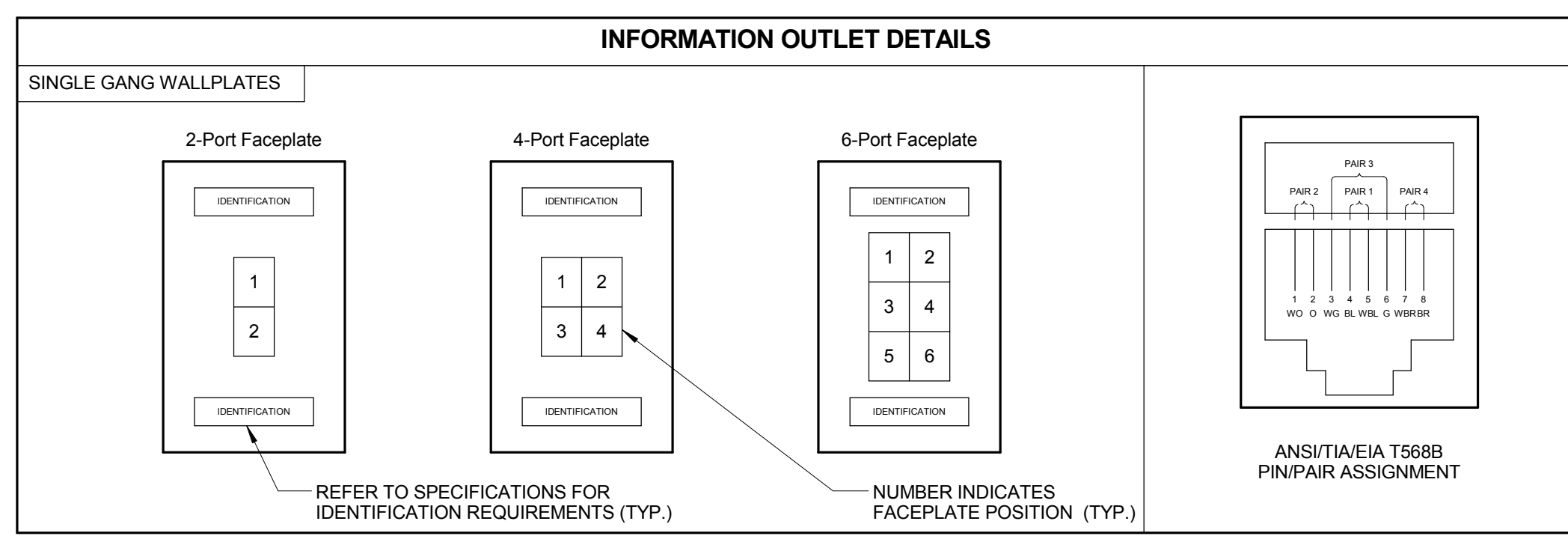
TELECOM ROOM REFERENCES

TELECOM ROOM	DETAIL / SHEET REFERENCE	FLOOR PLAN REFERENCE	ARCH ROOM NUMBER
HC-1	1/13.00	T1.12	1115
HC-2	5/13.00	T1.11	1106

- GENERAL TECHNOLOGY NOTES:**
- "1/13.00" INDICATES DETAIL NUMBER / SHEET NUMBER.
 - "SC-IO-W" INDICATES GENERAL TECHNOLOGY EQUIPMENT SCHEDULE ITEM LABELED AS "EQUIPMENT LIST ABBREVIATION".
 - A SLASH IS USED BETWEEN TWO SUBSCRIPTS, I.E. A#1.
 - REFER TO THE GENERAL TECHNOLOGY EQUIPMENT SCHEDULE AND SPECIFICATIONS FOR FULL DESCRIPTIONS AND MANUFACTURERS OF ALL DEVICES.
 - "C#" INDICATES KEYED NOTE USED TO DESCRIBE ADDITIONAL INFORMATION OF WORK REQUIRED. SPECIFIC TO THE SHEET AND/OR DETAIL IT IS SHOWN WITH.

- FROM FINISHED FLOOR TO CENTERLINE MOUNTING SUBSCRIPT KEY:**
- TECHNOLOGY OUTLETS**
- /A MOUNT ABOVE COUNTER (+6" TO CENTERLINE ABOVE COUNTER OR BACKSPLASH)
 - /L MOUNT IN LAB CASEWORK
 - /H MOUNT HORIZONTAL
- ABBREVIATION KEY:**
- T.C. TECHNOLOGY CONTRACTOR
 - AV-C AUDIOVISUAL CONTRACTOR
 - E.C. ELECTRICAL CONTRACTOR
 - M.C. MECHANICAL CONTRACTOR
 - G.C. GENERAL CONTRACTOR
 - AFF ABOVE FINISH FLOOR
 - BFC BELOW FINISHED CEILING
 - C CONDUIT
 - SIM SIMILAR
 - TYP TYPICAL
 - ## MOUNTING HEIGHT ABOVE FINISHED FLOOR
 - J-BOX JUNCTION BOX
- TELECOM ROOM ABBREVIATION KEY:**
- EF-# ENTRANCE FACILITY
 - HC-# HORIZONTAL CROSS-CONNECT
 - IC-# INTERMEDIATE CROSS-CONNECT
 - MC-# MAIN CROSS-CONNECT
 - TR-# TELECOMMUNICATIONS ROOM
- LINE TYPE KEY:**
- NEW WORK BY THIS CONTRACTOR (DARK SOLID LINE)
 - NEW WORK UNDERFLOOR OR UNDERGROUND BY THIS CONTRACTOR (DARK LONG DASHED LINE)
 - NEW WORK BY OTHERS, AND/OR EXISTING TO REMAIN (LIGHT SOLID LINE)
 - EXISTING TO BE REMOVED BY THIS CONTRACTOR (DARK SHORT DASHED LINE)

- TECHNOLOGY INSTALLATION NOTES:**
- THE COMPLETE INSTALLATION SHALL BE IN ACCORDANCE WITH THE 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN. REFER TO THE ADA REQUIREMENTS FOR ALL CONFIGURATIONS DETAIL ON THIS PAGE FOR ADDITIONAL INFORMATION.
 - CONCEAL ALL CONDUIT IN WALLS, PARTITIONS, ABOVE CEILING, AND IN FLOOR SLAB, ETC. UNLESS OTHERWISE INDICATED ON THE PLANS OR IN THE SPECIFICATIONS. CONDUIT IN MECHANICAL ROOMS AND STORAGE ROOMS WITHOUT CEILINGS MAY BE EXPOSED ON BUILDING STRUCTURE. BOXES LOCATED ON OPPOSITE SIDES OF NON-RATED WALLS SHALL BE OFFSET A MINIMUM OF 6" HORIZONTALLY. BOXES ON OPPOSITE SIDES OF FIRE RATED WALLS SHALL BE OFFSET A MINIMUM OF 24" HORIZONTALLY. "THRU-THE-WALL" BOXES SHALL NOT BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
 - CONTRACTOR SHALL VERIFY ALL FURNITURE, MODULAR FURNITURE AND EQUIPMENT LOCATIONS WITH ARCHITECTURAL PLANS, ELEVATIONS AND REVISED SHOP DRAWINGS. PRIOR TO MAKING THE ACTUAL TELECOMMUNICATIONS INSTALLATION THIS CONTRACTOR SHALL ADJUST OUTLETS OR CONNECTION LOCATIONS TO ACCOMMODATE FURNITURE AND/OR EQUIPMENT.
 - TELECOMMUNICATIONS EQUIPMENT SHALL BE MOUNTED TO ALLOW ACCESS TO ELECTRICAL AND MECHANICAL EQUIPMENT. ALL MOUNTING OF TELECOMMUNICATION DEVICES ON EQUIPMENT SUPPLIED BY ANOTHER CONTRACTOR SHALL BE APPROVED IN ADVANCE BY THE OTHER CONTRACTOR.
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL OPENINGS REQUIRED IN WALLS. ALL OPENINGS SHALL BE REPAIRED TO MATCH EXISTING BY A QUALIFIED CONTRACTOR AT THE EXPENSE OF THIS CONTRACTOR. ALL CONDUITS THROUGH WALLS SHALL BE GROUTED OR SEALED INTO OPENINGS.
 - ALL MATERIALS USED TO SEAL PENETRATIONS OF FIRE RATED WALLS AND FLOORS SHALL BE TESTED AND CERTIFIED AS A SYSTEM PER ASTM E814 STANDARDS FOR FIRE TESTS OF THROUGH-PENETRATION FIRESTOPS. REFER TO 26 05 03.
 - CONTRACTOR SHALL REMOVE AND REINSTALL ALL CEILING TILES AS REQUIRED FOR THE EXECUTION OF TELECOMMUNICATIONS WORK THAT IS OUTSIDE THE CONTRACT LIMITS OF CONSTRUCTION. CONTRACTOR SHALL REPLACE CEILING TILES WITH IDENTICAL MATERIAL WHERE DAMAGED BY THIS CONTRACTOR.
 - FIRESTOPPING REFERS TO THE ITEMS SPECIFICALLY ADDRESSED IN DIVISION 26, 27 AND 28 DOCUMENTS. REFER TO THE INDIVIDUAL SPECIFICATION SECTIONS FOR INFORMATION SPECIFIC TO FIRESTOPPING.
 - ALL "LADDER RACK" AND "CABLE TRAY" SIZES ARE AS DEFINED ON THE DRAWINGS. REFER TO SPECIFICATIONS SECTION 27 05 28 AND 27 11 00 FOR APPROVED MANUFACTURERS AND INSTALLATION REQUIREMENTS.



INFORMATION OUTLET SCHEDULE LEGEND

JACK TYPE	IO SCHEDULE DESCRIPTION
AV	SHIELDED CAT 6 RJ-45
BLANK	BLANK FILLER MODULE
COAX	F-CONNECTOR
DATA	CAT 6 RJ-45

INFORMATION OUTLET SCHEDULE

NOTE: REFER TO THE INFORMATION OUTLET SCHEDULE LEGEND FOR POSITION JACK TYPE DESCRIPTION, THE INFORMATION OUTLET DETAILS AND T6.00 GENERAL TECHNOLOGY EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.

CONFIGURATION	FACEPLATE PORTS	FACEPLATE FEATURES												SCHEDULE NOTES		
		POSITION 1 JACK TYPE	POSITION 2 JACK TYPE	POSITION 3 JACK TYPE	POSITION 4 JACK TYPE	POSITION 5 JACK TYPE	POSITION 6 JACK TYPE	POSITION 7 JACK TYPE	POSITION 8 JACK TYPE	POSITION 9 JACK TYPE	POSITION 10 JACK TYPE	POSITION 11 JACK TYPE	POSITION 12 JACK TYPE			
AV1	2	AV	BLANK													
C1	2	DATA	BLANK													
C1-C	0	DATA														
C2	2	DATA	DATA													
C2-WAP	0	DATA	DATA													
C3	4	DATA	DATA	DATA	BLANK											
C4	2	DATA	DATA	DATA	DATA											
C6	6	DATA	DATA	DATA	DATA	DATA										
DS	2	DATA	COAX													

- NOTES:**
- PROVIDE REMOVABLE BLANK INSERT FOR UNUSED PORTS (PANDUIT CMB SERIES OR PREAPPROVED EQUAL).
 - REFER TO SPECIFICATIONS FOR LABELING REQUIREMENTS.
 - REFER TO FLOOR PLANS FOR DEVICE QUANTITIES AND LOCATION.
 - JACKS SHALL BE CONFIGURED PER ANSI/NETA T568B REQUIREMENTS.
 - REFER TO T6.00 FOR GENERAL TECHNOLOGY EQUIPMENT SCHEDULE.
- SCHEDULE NOTES:**
- LOCATION OF FUTURE WIRELESS ACCESS POINT. CONTRACTOR SHALL TERMINATE CABLES ON 8P8C RJ-45 PLUG FOR DIRECT CONNECTION DEVICE, PROVIDE A 20' SLACK COIL AT NEAREST CABLE SUPPORT FOR POSSIBLE RELOCATION BY OWNER.
 - CONTRACTOR SHALL TERMINATE CABLES ON 8P8C RJ-45 PLUG FOR DIRECT CONNECTION TO FUTURE CCTV CAMERA. PROVIDE 20' SLACK AT NEAREST CABLE SUPPORT FOR POSSIBLE RELOCATION BY OWNER.

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REGISTERED PROFESSIONAL ENGINEER
 STATE OF ILLINOIS
 LICENSE NO. 021-000000000-0000-0000-0000-000000000000

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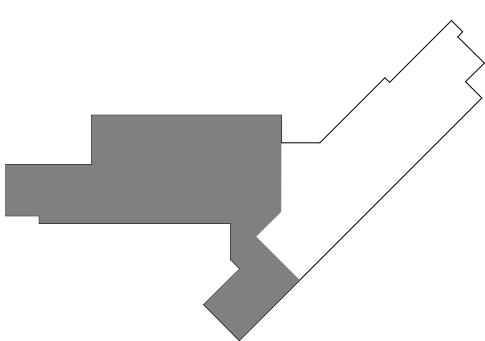
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JOLIET JUNIOR COLLEGE
ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - WEST - TECHNOLOGY

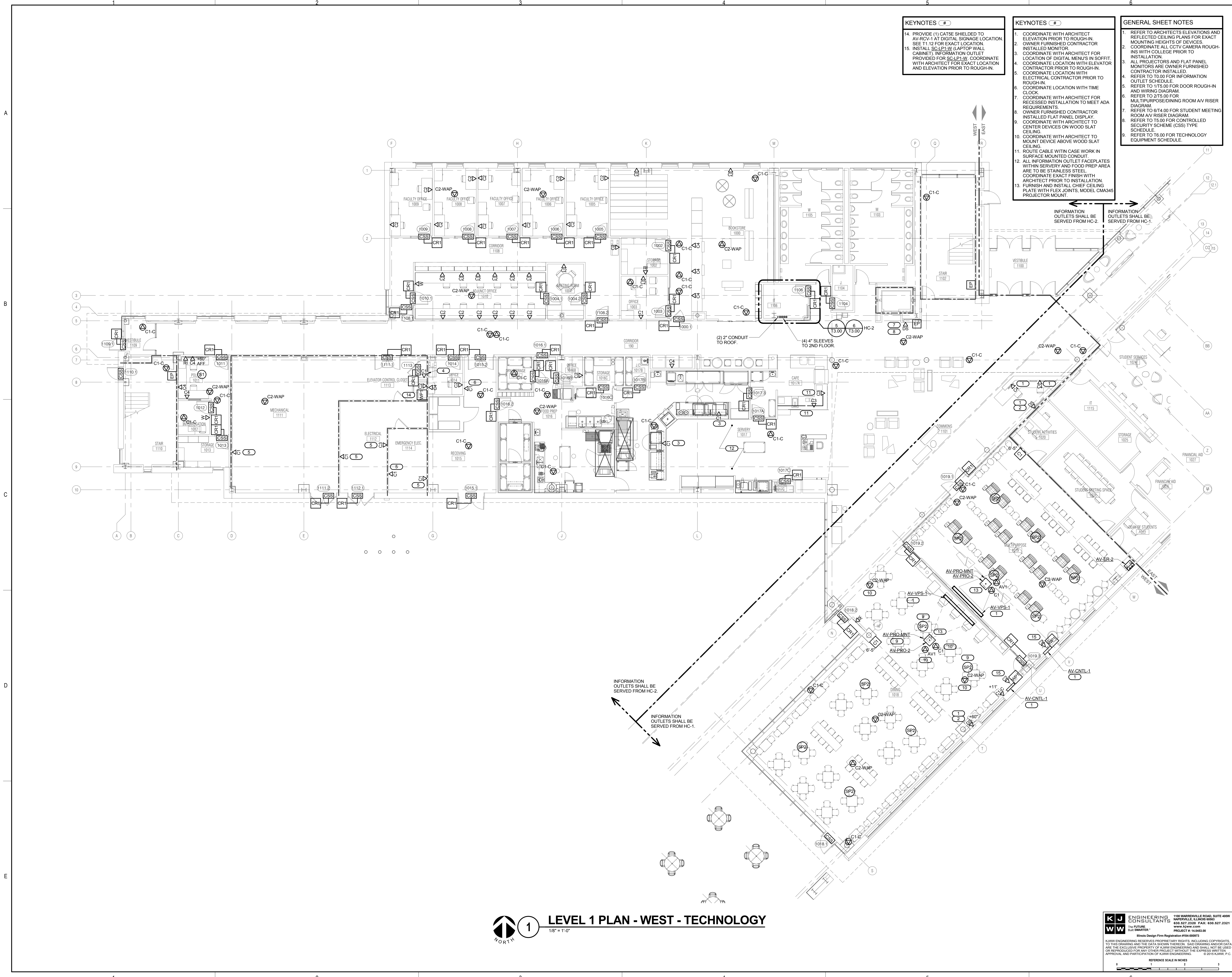
SHEET NUMBER:

T1.11

- KEYNOTES - #**
14. PROVIDE (1) CATSE SHIELDED TO AV-RCV-1 AT DIGITAL SIGNAGE LOCATION. SEE T1.12 FOR EXACT LOCATION.
 15. INSTALL SC-PL-W (LAPTOP WALL CABINET), INFORMATION OUTLET PROVIDED FOR SC-PL-W. COORDINATE WITH ARCHITECT FOR EXACT LOCATION AND ELEVATION PRIOR TO ROUGH-IN.

- KEYNOTES - #**
1. COORDINATE WITH ARCHITECT FOR REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.
 2. OWNER FURNISHED CONTRACTOR COORDINATE ALL CCTV CAMERA ROUGH-INS WITH COLLEGE PRIOR TO INSTALLATION.
 3. ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
 4. REFER TO T0.00 FOR INFORMATION OUTLET SCHEDULE.
 5. REFER TO T0.00 FOR INFORMATION AND WIRING DIAGRAM.
 6. REFER TO T0.00 FOR MULTIPURPOSE ROOM AV RISER DIAGRAM.
 7. REFER TO T0.00 FOR STUDENT MEETING ROOM AV RISER DIAGRAM.
 8. REFER TO T5.00 FOR CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE.
 9. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.

- GENERAL SHEET NOTES**
1. REFER TO ARCHITECT'S ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.
 2. COORDINATE ALL CCTV CAMERA ROUGH-INS WITH COLLEGE PRIOR TO INSTALLATION.
 3. ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
 4. REFER TO T0.00 FOR INFORMATION OUTLET SCHEDULE.
 5. REFER TO T0.00 FOR INFORMATION AND WIRING DIAGRAM.
 6. REFER TO T0.00 FOR MULTIPURPOSE ROOM AV RISER DIAGRAM.
 7. REFER TO T0.00 FOR STUDENT MEETING ROOM AV RISER DIAGRAM.
 8. REFER TO T5.00 FOR CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE.
 9. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.



INFORMATION OUTLETS SHALL BE SERVED FROM HC-2.

INFORMATION OUTLETS SHALL BE SERVED FROM HC-1.

LEVEL 1 PLAN - WEST - TECHNOLOGY
 1/8" = 1'-0"

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DESIGNED BY: DEMIONA KEMPER ARCHITECTS
 PROJECT #: 14.043.00

Block Design Firm Registration #18-08973

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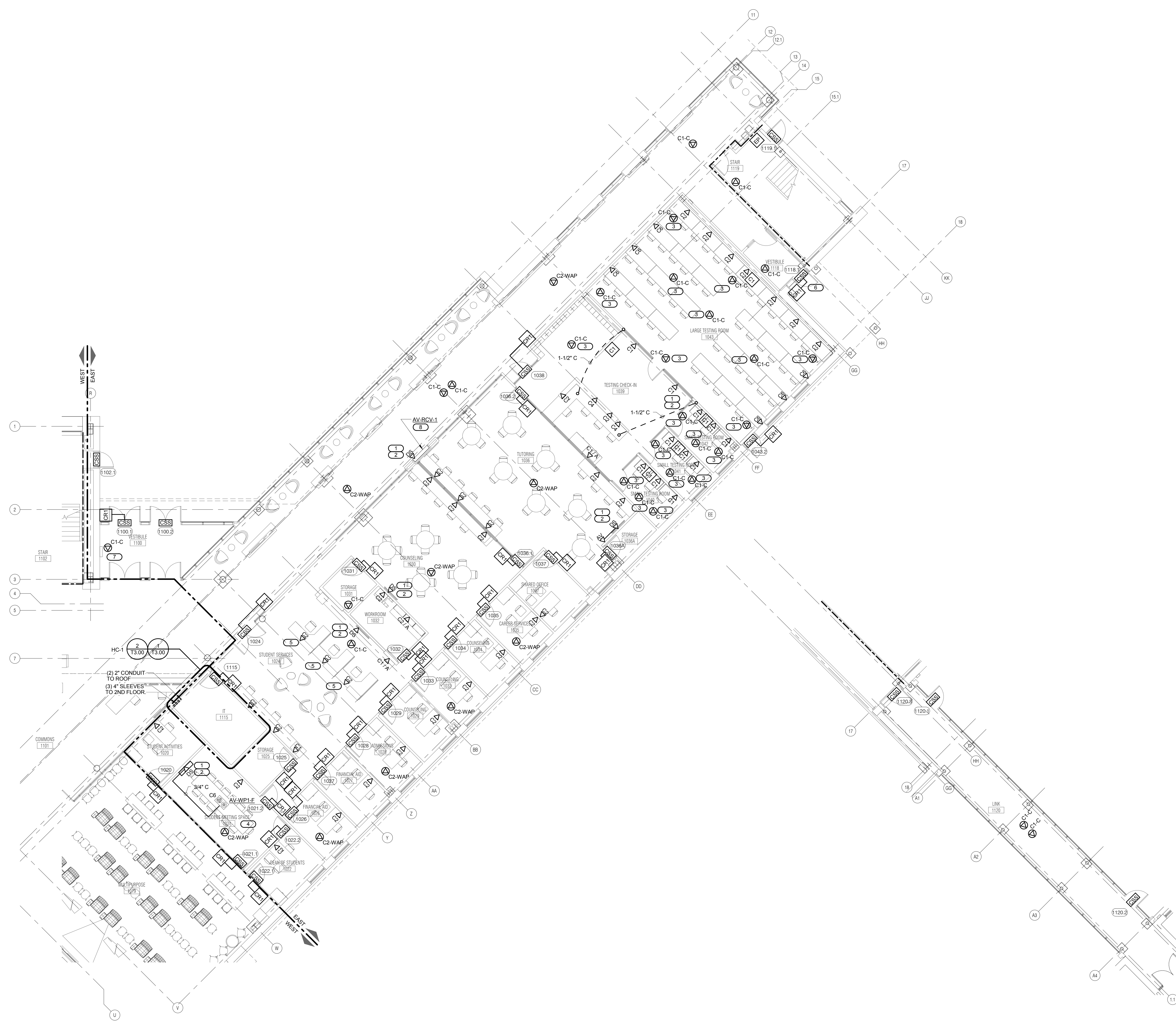


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- GENERAL SHEET NOTES**
1. ALL INFORMATION OUTLETS ON THIS SHEET SHALL BE SERVED FROM HC-1 UNLESS OTHERWISE NOTED.
 2. ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
 3. REFER TO 10.00 FOR INFORMATION OUTLET SCHEDULE.
 4. REFER TO 1175.00 FOR DOOR ROUGH-IN AND WIRING DIAGRAM.
 5. REFER TO 15.00 FOR CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE.
 6. REFER TO 18.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
 7. REFER TO ARCHITECT'S ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.
- KEYNOTES**
1. COORDINATE WITH ARCHITECT ELEVATION PRIOR TO ROUGH-IN.
 2. OWNER FURNISHED CONTRACTOR INSTALLED MONITOR.
 3. COORDINATE LOCATION OF INFORMATION OUTLET WITH JIC FOR SUPPORT OF FUTURE RECORDING SYSTEM.
 4. REFER TO 6174.00 FOR STUDENT MEETING ROOM AV RISER DIAGRAM FOR ADDITIONAL INFORMATION.
 5. PROVIDE 3/4" EMT CONDUIT FROM EACH LOCATION TO ACCESSIBLE CEILING SPACE.
 6. BASE BID ONLY.
 7. INFORMATION OUTLET SERVED FROM HC-2.
 8. PROVIDE (1) CAT5E CABLE FROM WP1 AT BAS LOCATION IN MECHANICAL ROOM 1111. SEE SHEET T1.11 FOR EXACT LOCATION.



1 LEVEL 1 PLAN - EAST - TECHNOLOGY
 1/8" = 1'-0"

2 LEVEL 1 PLAN - ALT. BID 1 TECHNOLOGY
 1/8" = 1'-0"
 NOTE:
 1. ALTERNATE BID 1 IS NOT IN CONTRACT.

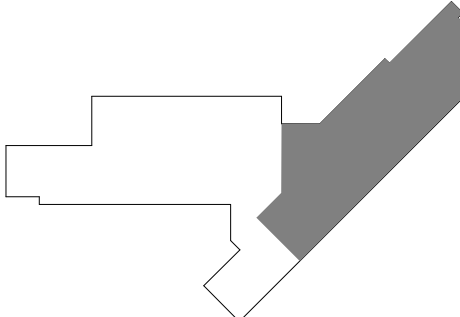
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 DKA PROJECT NO: 14-005

KEY PLAN:



SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
LEVEL 1 PLAN - EAST - TECHNOLOGY

SHEET NUMBER:

T1.12

- KEYNOTES**
- COORDINATE WITH ARCHITECT ELEVATION PRIOR TO ROUGH-IN.
 - OWNER FURNISHED CONTRACTOR INSTALLED MONITOR.
 - SPACE RESERVED FOR OWNER PROVIDED SECURITY EQUIPMENT. PROVIDE SC-TBB ON WALLS.

- GENERAL SHEET NOTES**
- ALL INFORMATION OUTLETS ON THIS SHEET SHALL BE SERVED FROM HC-2 UNLESS OTHERWISE NOTED. REFER TO T1.1 FOR LOCATION OF HC-2.
 - ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
 - REFER TO T0.00 FOR INFORMATION OUTLET SCHEDULE.
 - REFER TO T175.00 FOR DOOR ROUGH-IN AND WIRING DIAGRAM.
 - REFER TO T174.00 FOR STUDENT MEETING ROOM AV RISER DIAGRAM.
 - REFER TO T5.00 FOR CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE.
 - REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
 - REFER TO ARCHITECT'S ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.



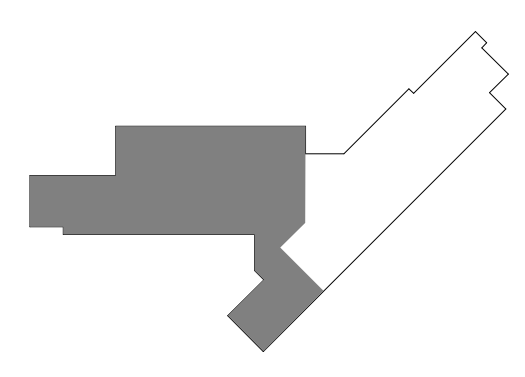
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 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:



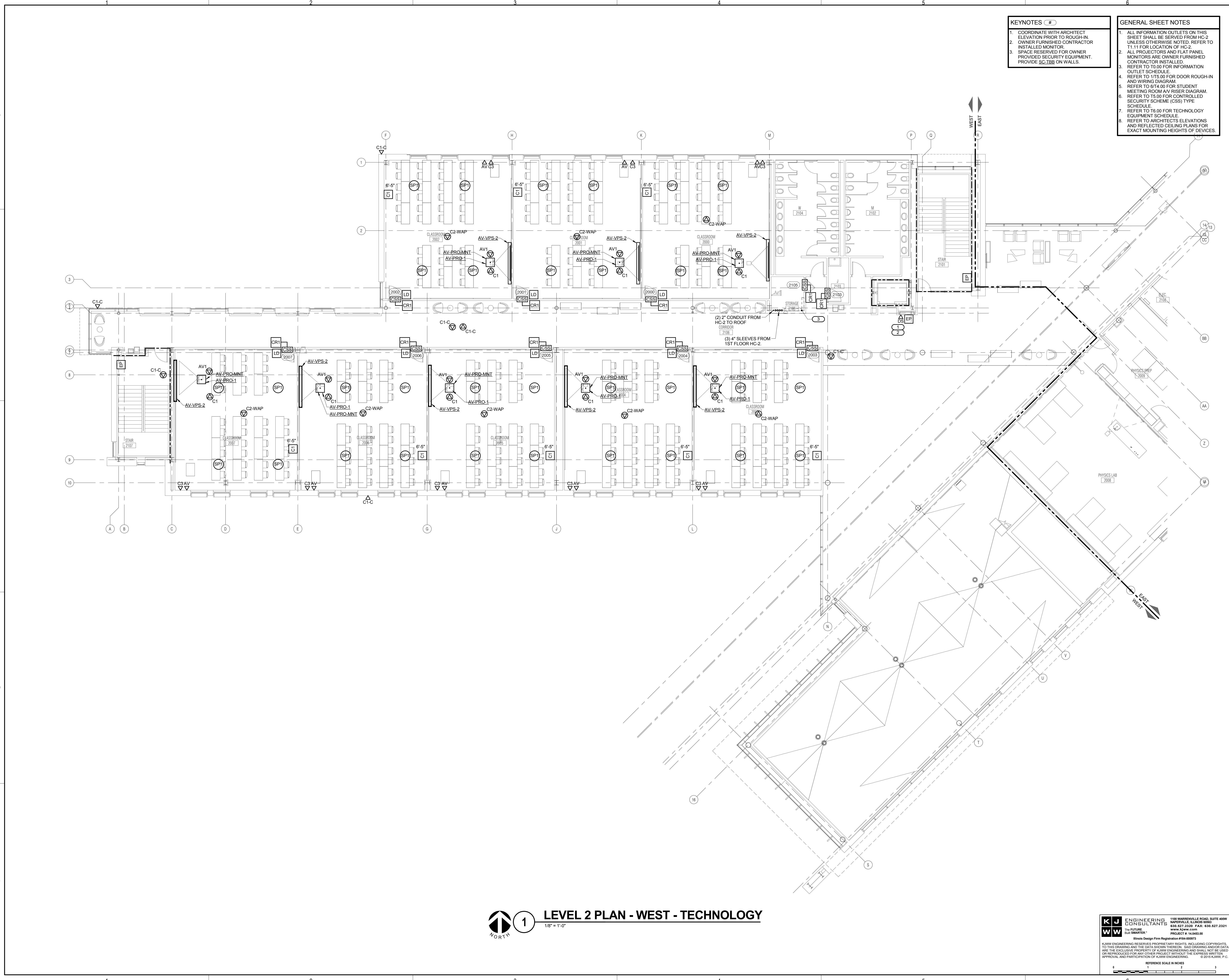
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SHEET TITLE:
LEVEL 2 PLAN - WEST - TECHNOLOGY

SHEET NUMBER:

T1.21





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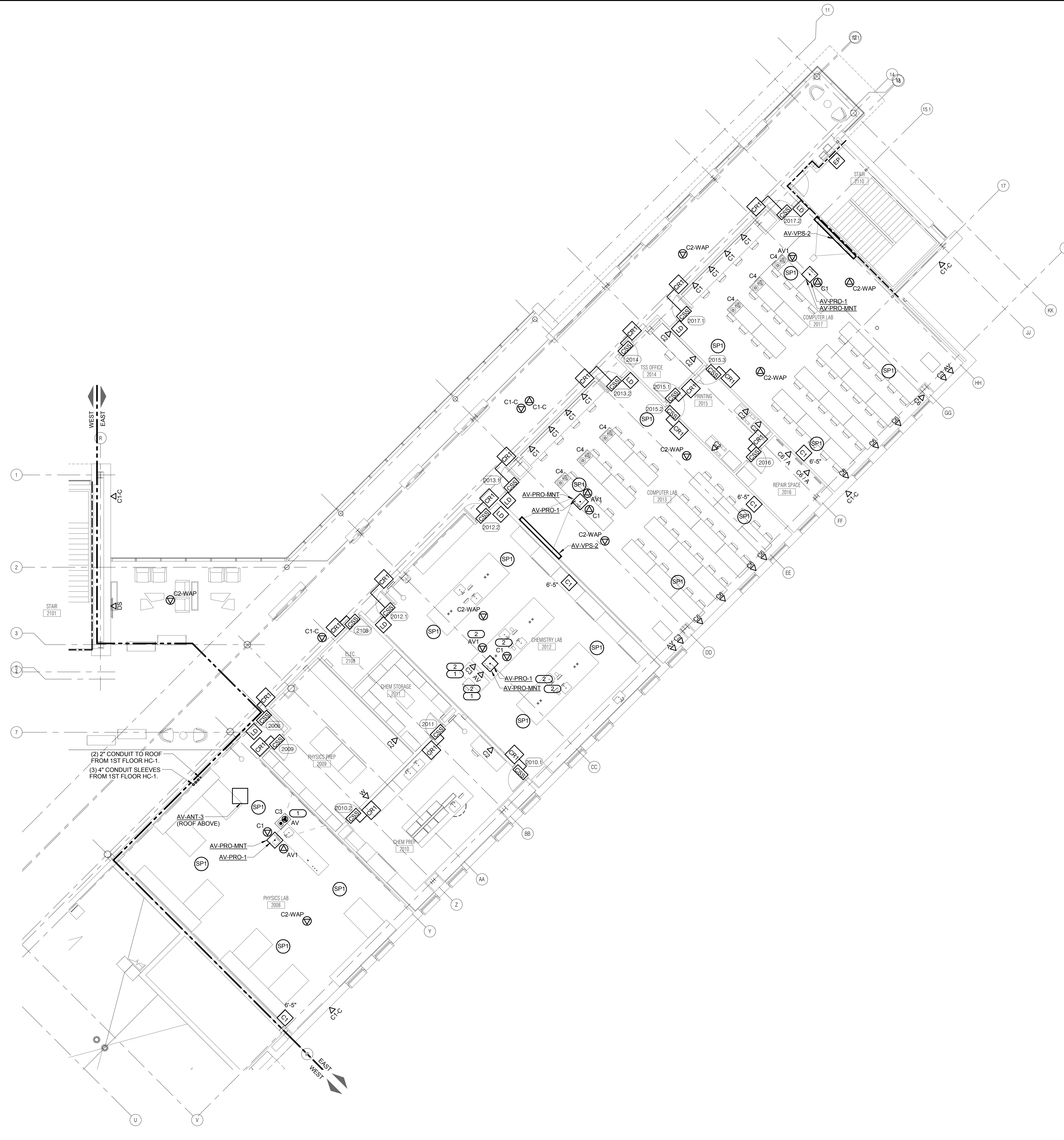
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GENERAL SHEET NOTES

1. ALL INFORMATION OUTLETS ON THIS SHEET SHALL BE SERVED FROM HC-1 UNLESS OTHERWISE NOTED. REFER TO T1.12 FOR LOCATION OF HC-1.
2. ALL PROJECTORS AND FLAT PANEL MONITORS ARE OWNER FURNISHED CONTRACTOR INSTALLED.
3. REFER TO T0.00 FOR INFORMATION OUTLET SCHEDULE.
4. REFER TO T175.00 FOR DOOR ROUGH-IN AND WIRING DIAGRAM.
5. REFER TO 674.00 FOR STUDENT MEETING ROOM AV RISER DIAGRAM.
6. REFER TO T5.00 FOR CONTROLLED SECURITY SCHEME (CSS) TYPE SCHEDULE.
7. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
8. REFER TO ARCHITECT'S ELEVATIONS AND REFLECTED CEILING PLANS FOR EXACT MOUNTING HEIGHTS OF DEVICES.

KEYNOTES

1. INFORMATION OUTLET AND AV OUTLET INSTALLED IN CASEWORK. COORDINATE WITH ARCHITECT AND MILLWORK CONTRACTOR.
2. PROVIDE (2) 3/4" EMT CONDUITS TO ACCESSIBLE CEILING SPACE FOR AV AND STRUCTURED CABLING. PROVIDE A 4" SQUARE BOX WITH SINGLE GANG RING FOR EACH OUTLET.



(2) 2" CONDUIT TO ROOF FROM 1ST FLOOR HC-1
 (3) 4" CONDUIT SLEEVES FROM 1ST FLOOR HC-1

1 LEVEL 2 PLAN - EAST - TECHNOLOGY
 1/8" = 1'-0"

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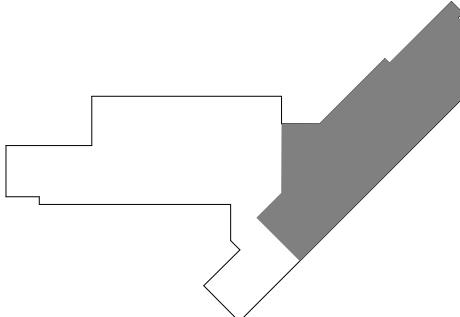
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KEY PLAN:



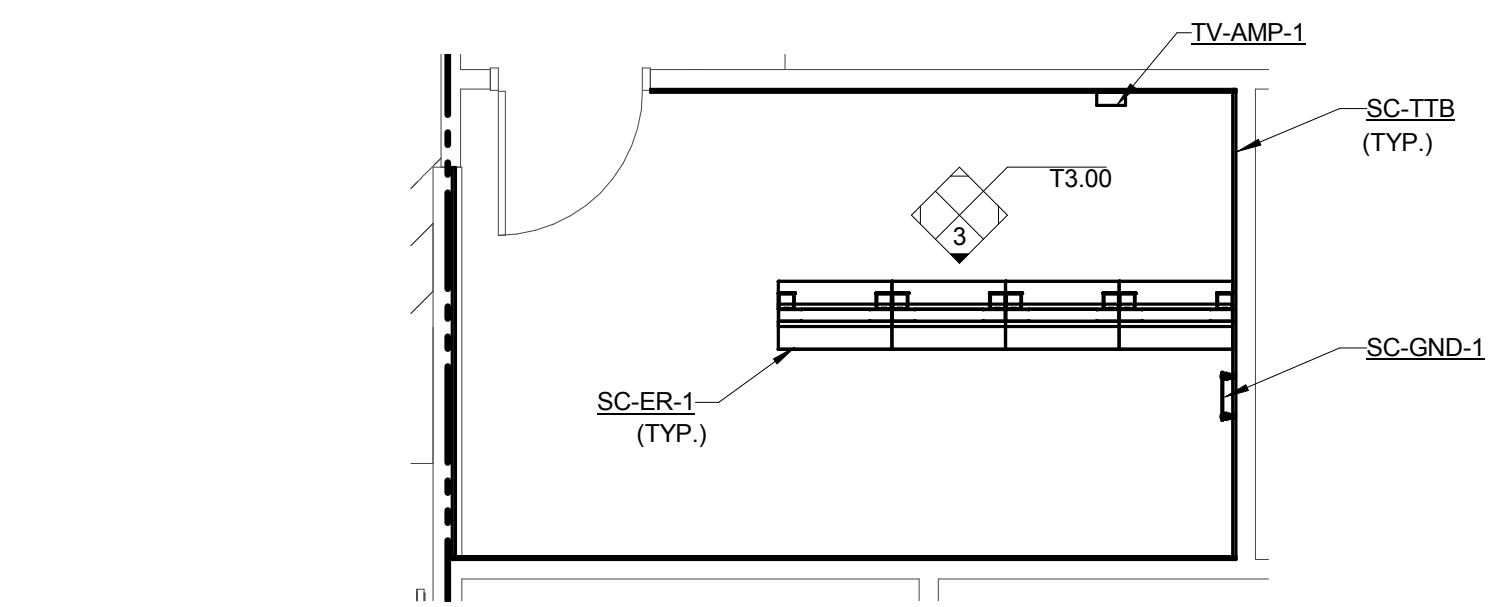
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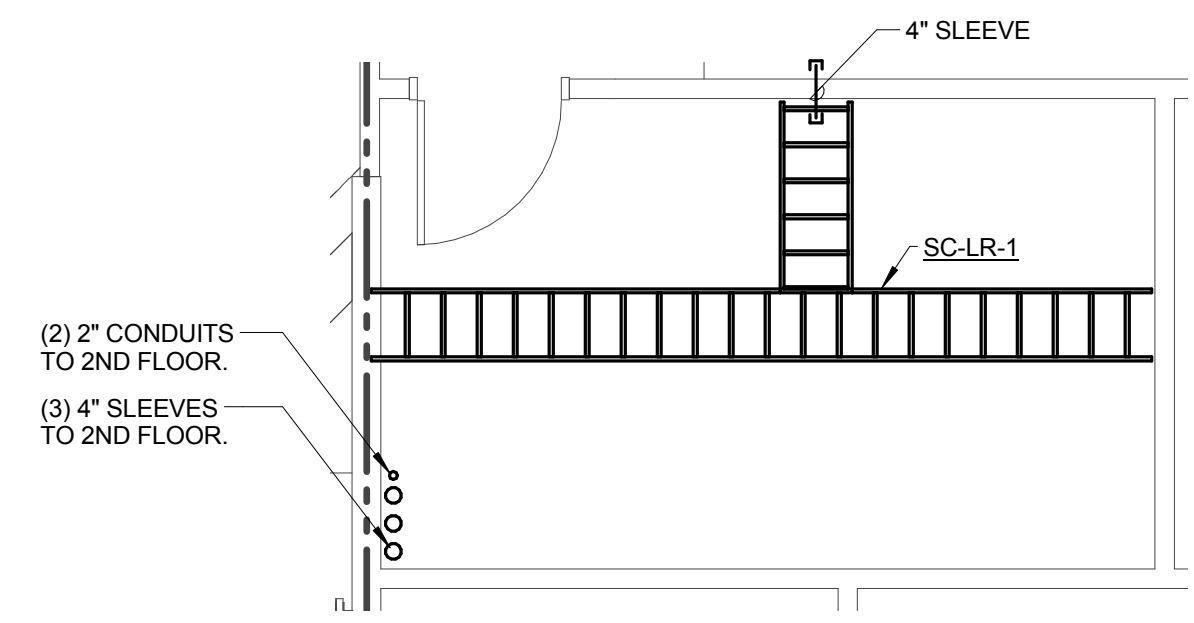
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LEVEL 2 PLAN - EAST - TECHNOLOGY

SHEET NUMBER:

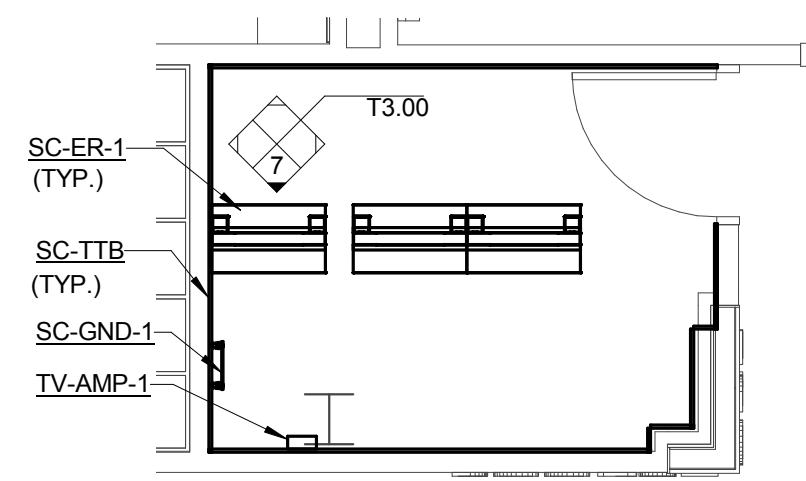
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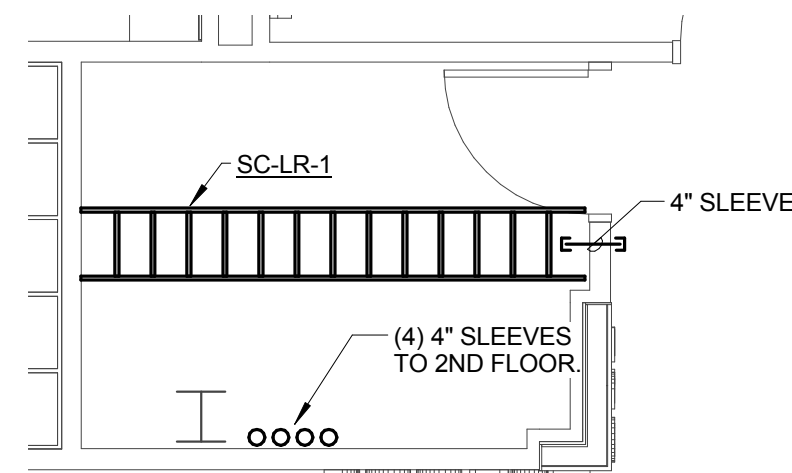
1 EQUIPMENT ROOM LAYOUT HC-1
 1/4" = 1'-0"
 NOTES:
 1. REFER TO 2/T3.00 FOR EQUIPMENT ROOM PATHWAY HC-1.
 2. REFER TO 4/T3.00 FOR CONNECTIVITY RISER DIAGRAM HC-1.
 3. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.



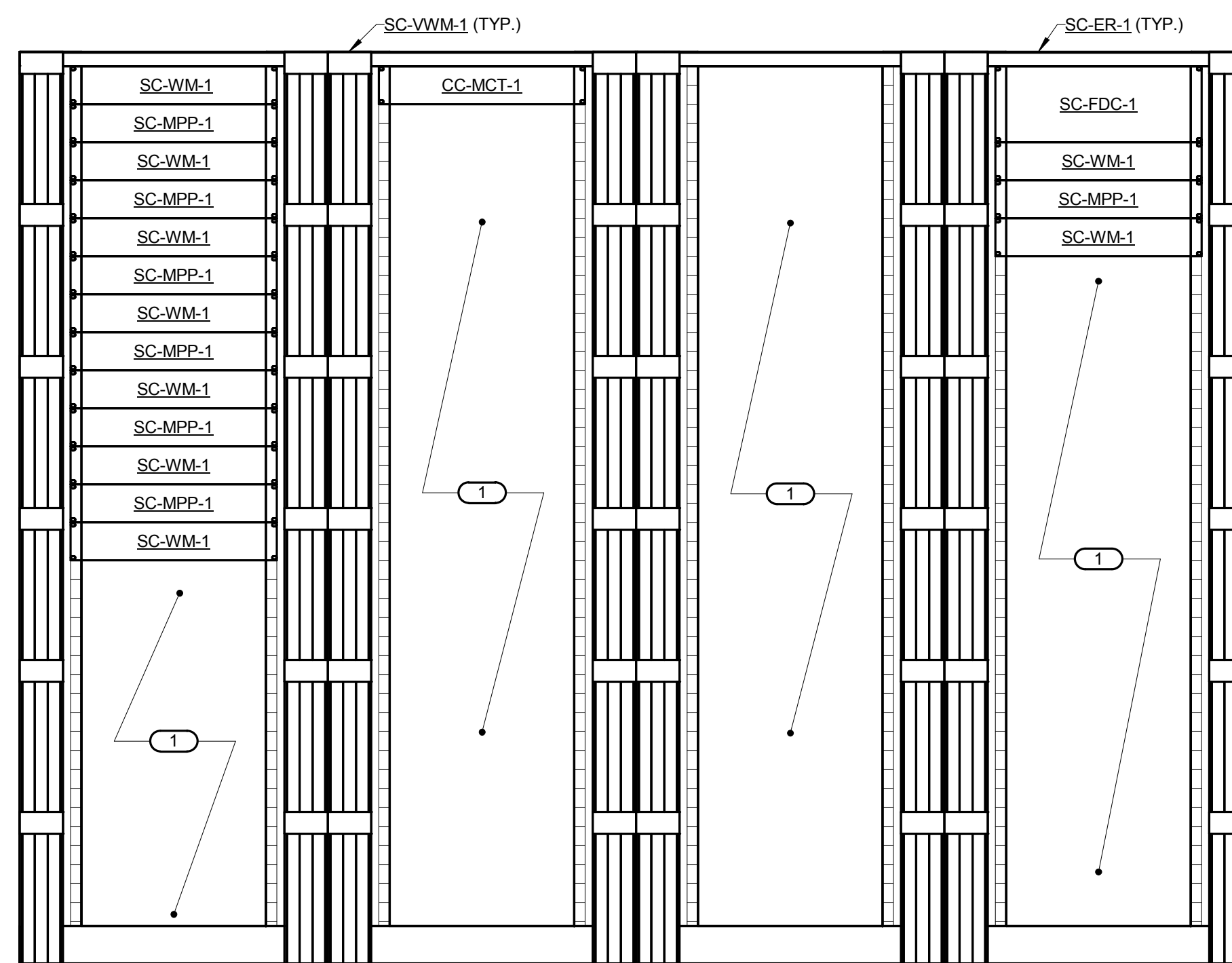
2 EQUIPMENT ROOM PATHWAY HC-1
 1/4" = 1'-0"
 NOTES:
 1. REFER TO 1/T3.00 FOR EQUIPMENT ROOM LAYOUT HC-1.
 2. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
 3. INSTALL LADDER RACK AT 7'-6" AFF.



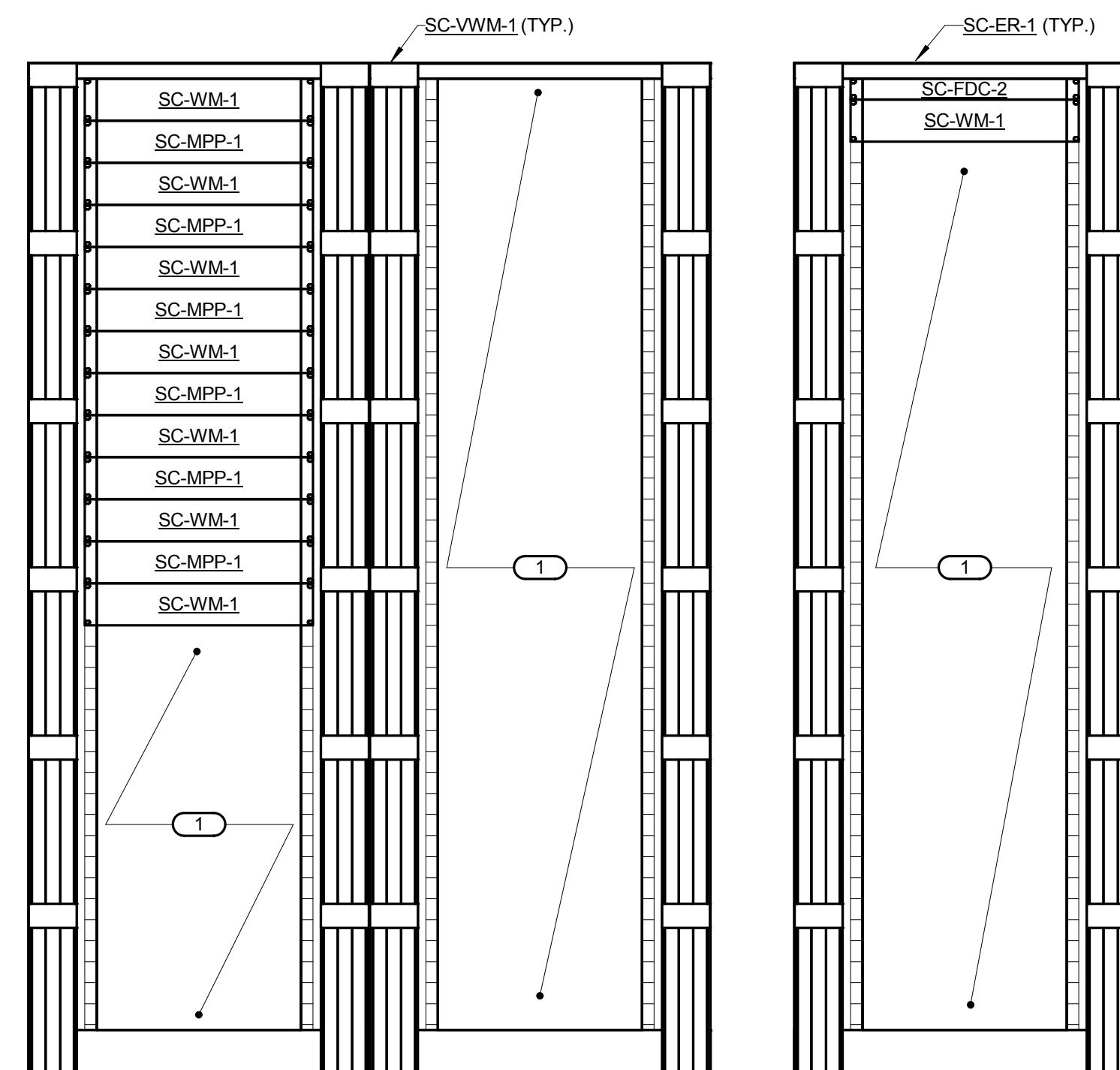
5 EQUIPMENT ROOM LAYOUT HC-2
 1/4" = 1'-0"
 NOTES:
 1. REFER TO 6/T3.00 FOR EQUIPMENT ROOM PATHWAY HC-2.
 2. REFER TO 8/T3.00 FOR CONNECTIVITY RISER DIAGRAM HC-2.
 3. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.



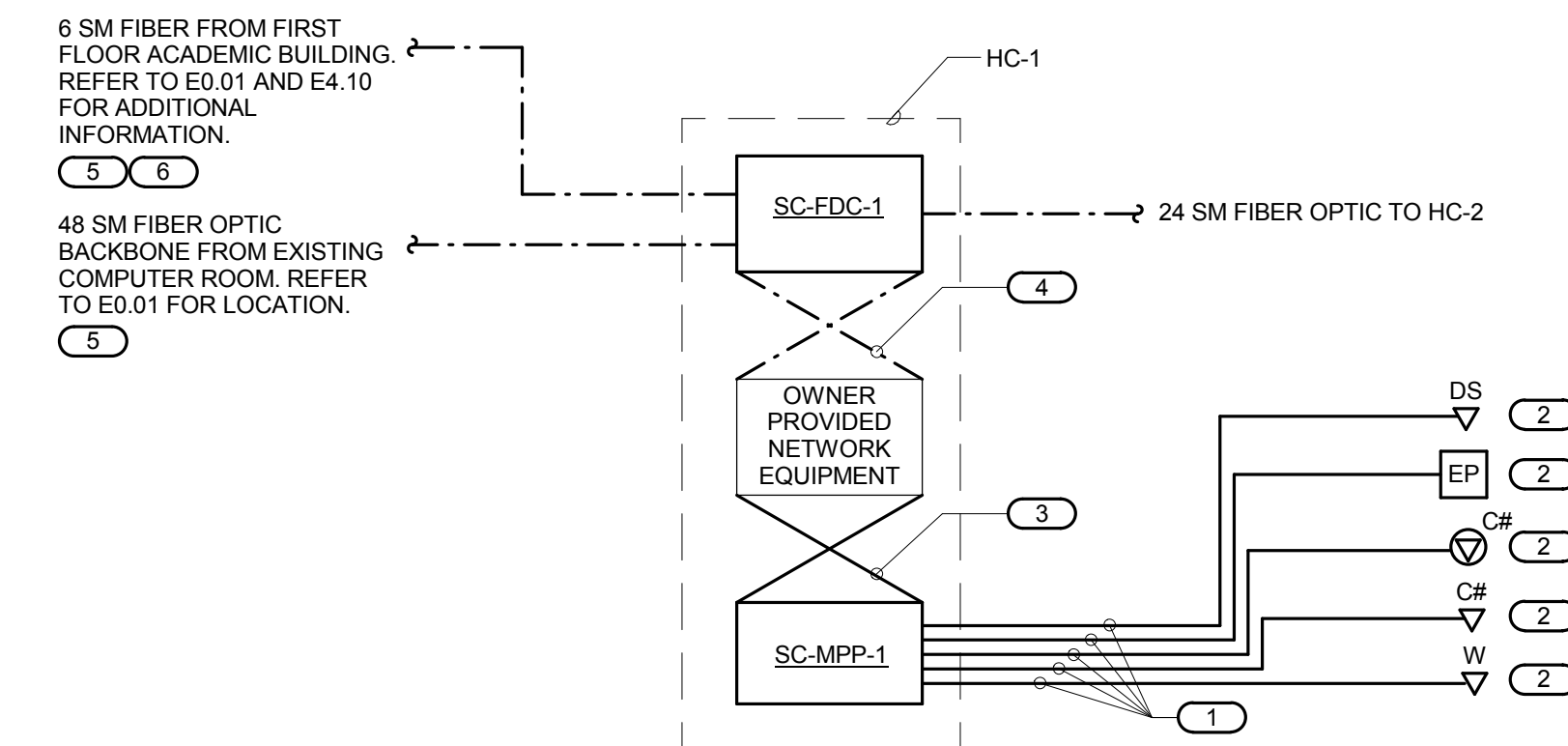
6 EQUIPMENT ROOM PATHWAY HC-2
 1/4" = 1'-0"
 NOTES:
 1. REFER TO 5/T3.00 FOR EQUIPMENT ROOM LAYOUT HC-2.
 2. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
 3. INSTALL LADDER RACK AT 7'-6" AFF.



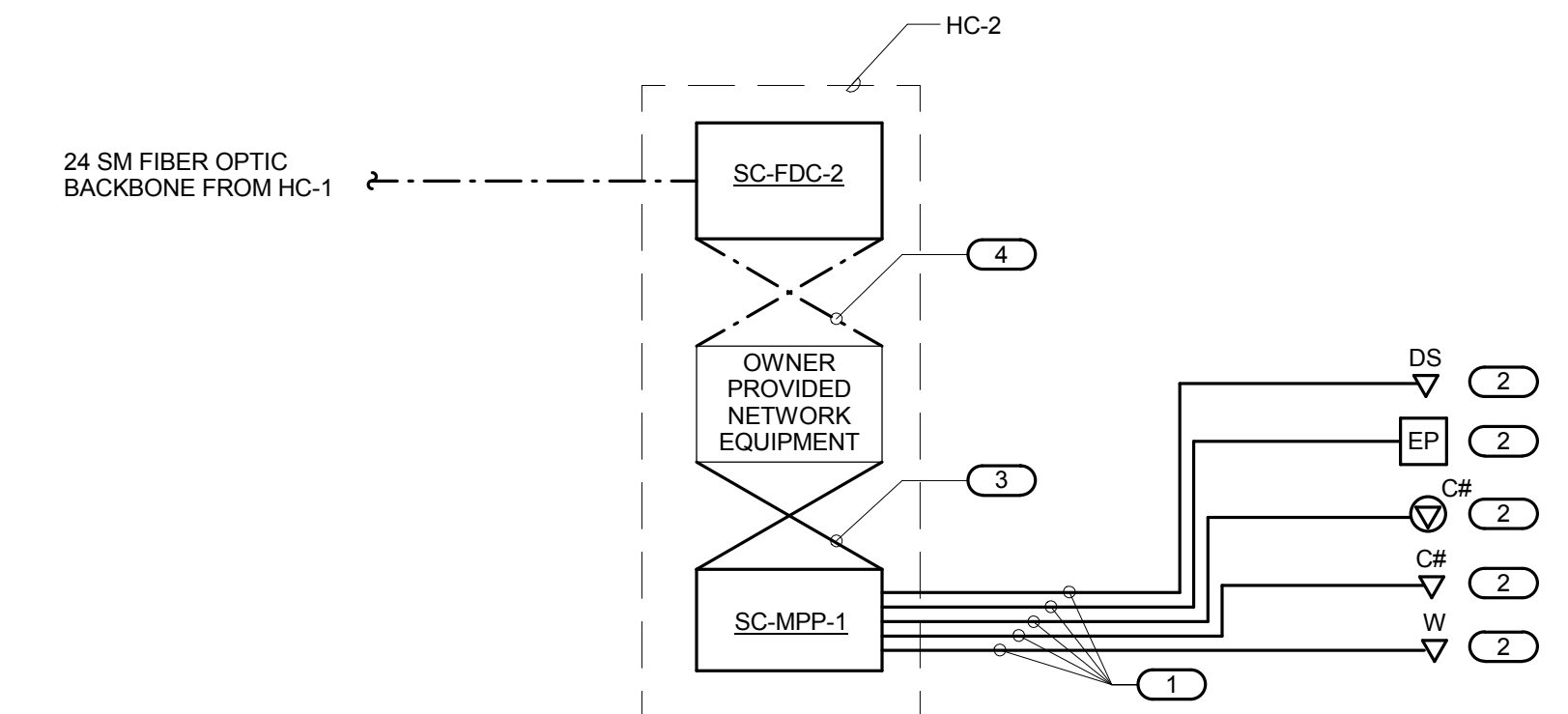
3 EQUIPMENT RACK ELEVATION HC-1
 1" = 1'-0"
 NOTES:
 1. REFER TO 1/T3.00 FOR EQUIPMENT ROOM LAYOUT HC-1.
 2. REFER TO 4/T3.00 FOR CONNECTIVITY RISER DIAGRAM HC-1.
 3. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
 KEYNOTES: (#)
 1. SPACE PROVIDED FOR OWNER SUPPLIED EQUIPMENTS.



7 EQUIPMENT RACK ELEVATION HC-2
 1" = 1'-0"
 NOTES:
 1. REFER TO 5/T3.00 FOR EQUIPMENT ROOM LAYOUT HC-2.
 2. REFER TO 8/T3.00 FOR CONNECTIVITY RISER DIAGRAM HC-2.
 3. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
 KEYNOTES: (#)
 1. SPACE PROVIDED FOR OWNER SUPPLIED EQUIPMENTS.



4 CONNECTIVITY RISER DIAGRAM HC-1
 NO SCALE
 NOTES:
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING AND QUANTITY INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 2. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
 KEYNOTES: (#)
 1. 23 GAUGE, 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE. REFER TO SPECIFICATIONS.
 2. REFER TO INFORMATION OUTLET SCHEDULE ON T0.00 AND THE FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.
 3. RJ45 TO RJ45 CATEGORY CAT 6 UTP PATCH CORD. REFER TO SPECIFICATIONS.
 4. FIBER PATCH CORD. REFER TO SPECIFICATIONS.
 5. REFER TO E0.01 ELECTRICAL SITE PLAN FOR CABLE ROUTE.
 6. COORDINATE TERMINATION OF FIBER WITH FIRE ALARM CONTRACTOR. REFER TO E4.10 FOR LOCATION OF FIRE ALARM PANEL. SEE DRAWING E4.10 DETAIL 2 FOR LOCATION OF EXISTING FIRE ALARM PANEL IN THE EXISTING ACADEMIC BUILDING.



8 CONNECTIVITY RISER DIAGRAM HC-2
 NO SCALE
 NOTES:
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS SHOWN. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CABLE TYPE. ALL INFORMATION OUTLETS ARE TYPICAL OF THE OUTLETS IN THE AREA SHOWN. REFER TO FLOOR PLANS FOR MORE SPECIFIC ROUTING AND QUANTITY INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
 2. REFER TO T6.00 FOR TECHNOLOGY EQUIPMENT SCHEDULE.
 KEYNOTES: (#)
 1. 23 GAUGE, 4-PAIR, CATEGORY 6, UNSHIELDED TWISTED PAIR CABLE. REFER TO SPECIFICATIONS.
 2. REFER TO INFORMATION OUTLET SCHEDULE ON T0.00 AND THE FLOOR PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH INFORMATION OUTLET.
 3. RJ45 TO RJ45 CATEGORY CAT 6 UTP PATCH CORD. REFER TO SPECIFICATIONS.
 4. FIBER PATCH CORD. REFER TO SPECIFICATIONS.

NO.	DESCRIPTION:	DATE:

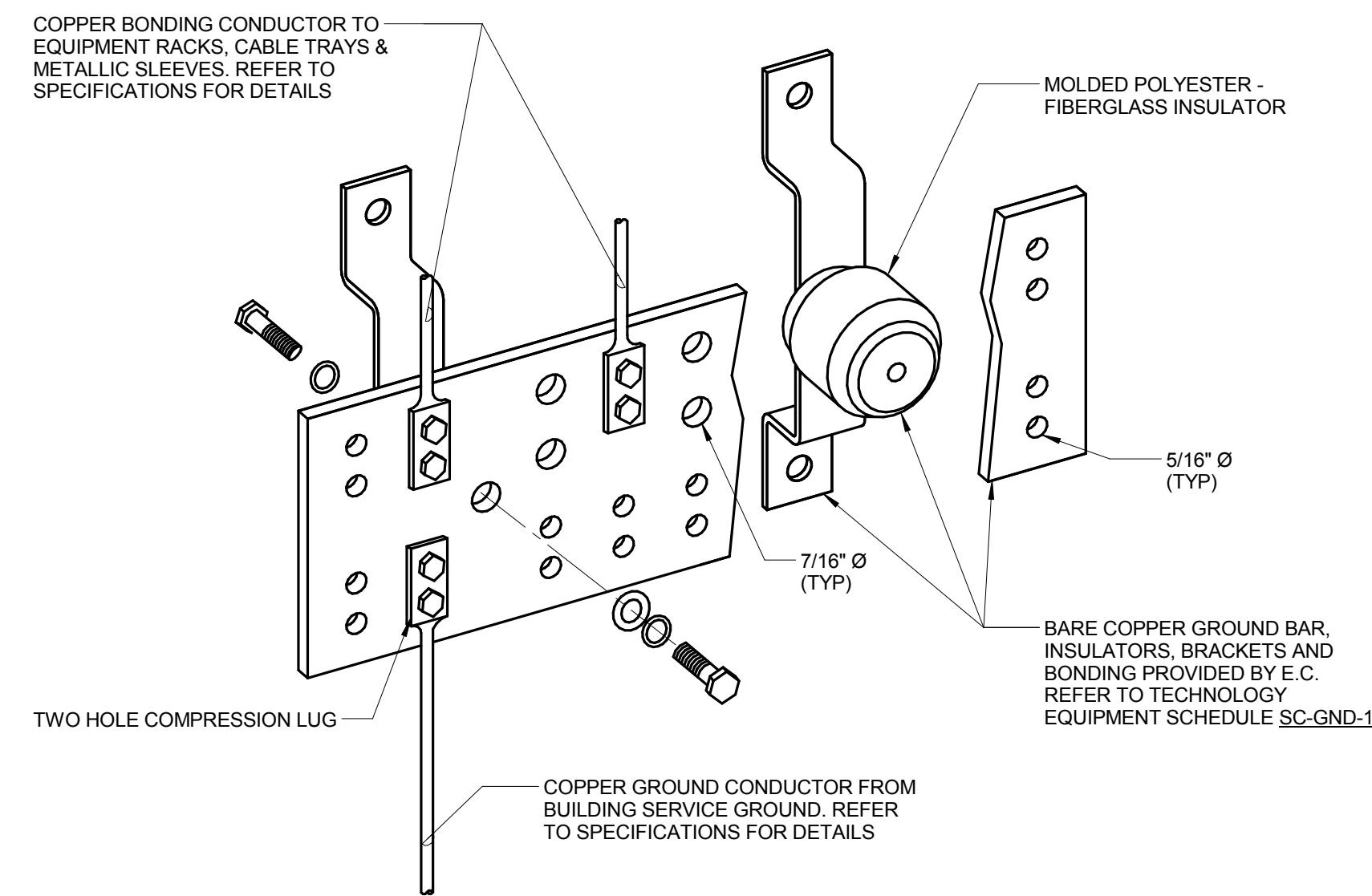


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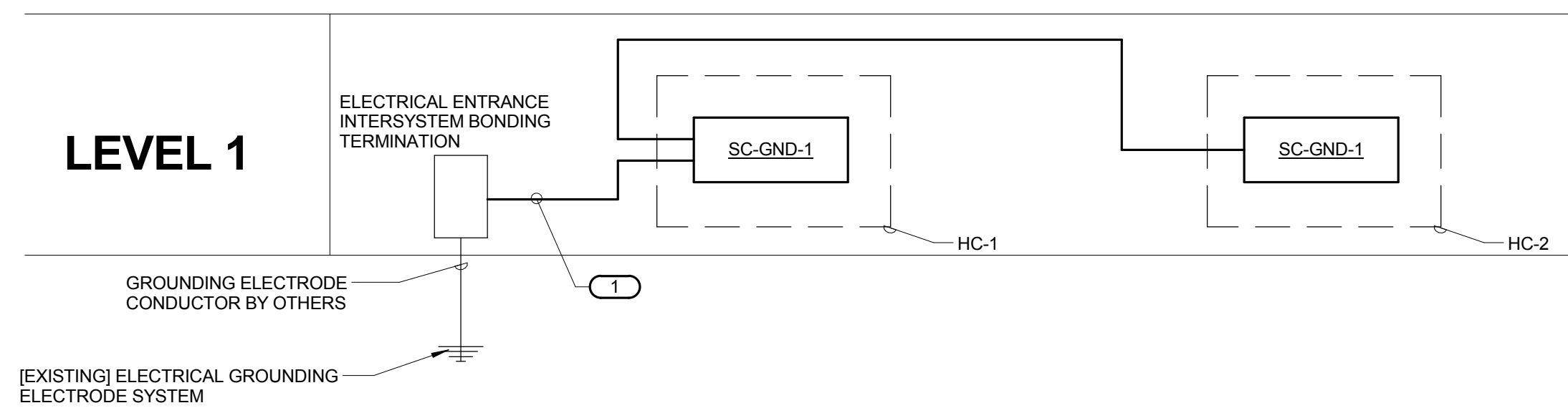
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 DKA PROJECT NO: 14-005



1 BONDING BUS BAR DETAIL

- NO SCALE
 NOTES:
 1. REFER TO TECHNOLOGY EQUIPMENT SCHEDULE SC-GND-1 FOR WIDTH REQUIREMENTS.
 2. REFER TO 314.00 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.

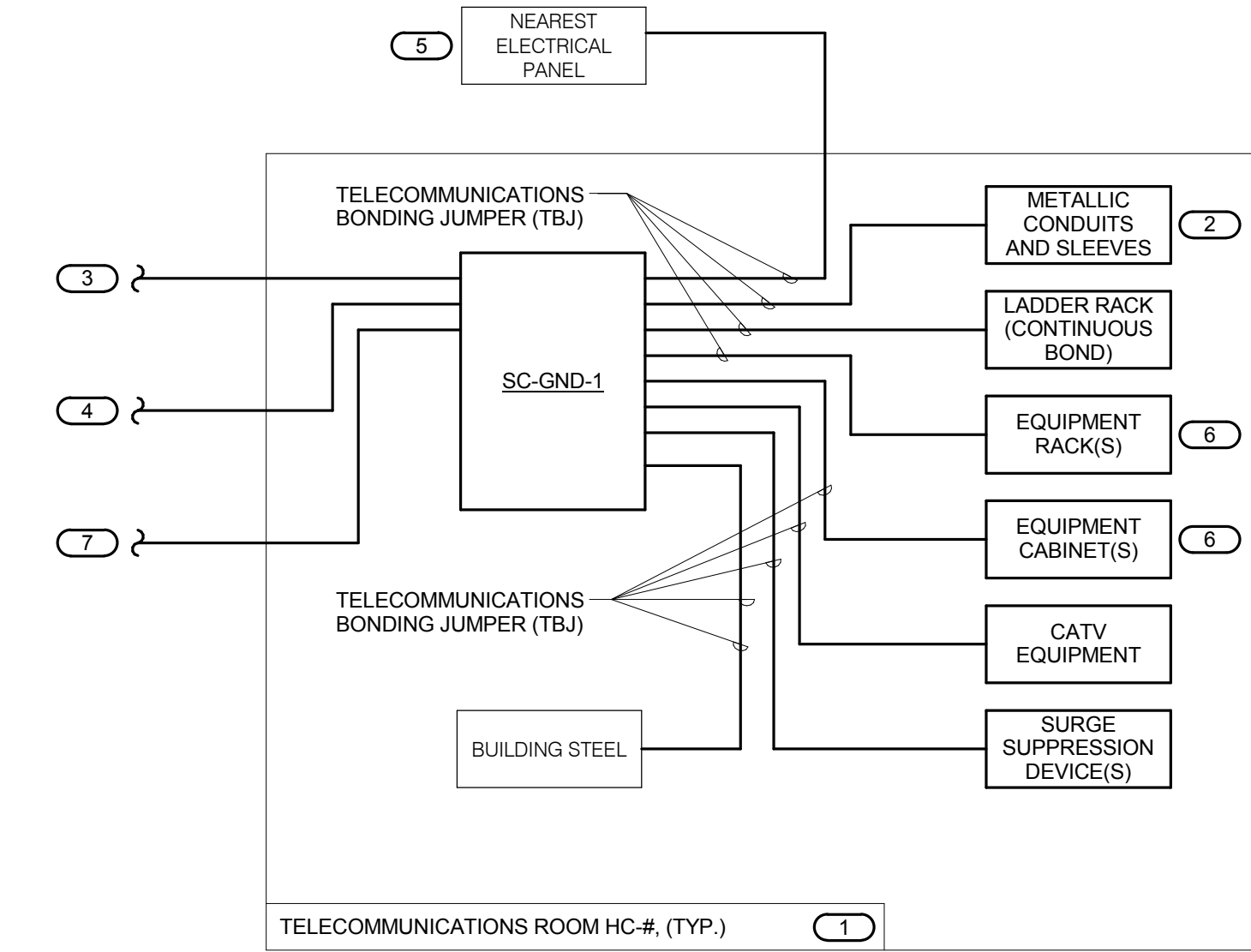


2 TECHNOLOGY BONDING RISER DIAGRAM

- NO SCALE
 NOTES:
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 30 AWG (PLENUM RATED) COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.
 4. REFER TO 314.00 FOR TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM.
 5. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON DRAWING T0.00 FOR TELECOMMUNICATIONS ROOM NUMBER AND LOCATION INFORMATION.

CONDUCTOR LENGTH IN FEET	MINIMUM ACCEPTABLE SIZE - AWG
LESS THAN 13'	6
14' - 20'	4
21' - 26'	3
27' - 33'	2
34' - 41'	1
42' - 52'	1/0
53' - 66'	2/0
GREATER THAN 66'	3/0

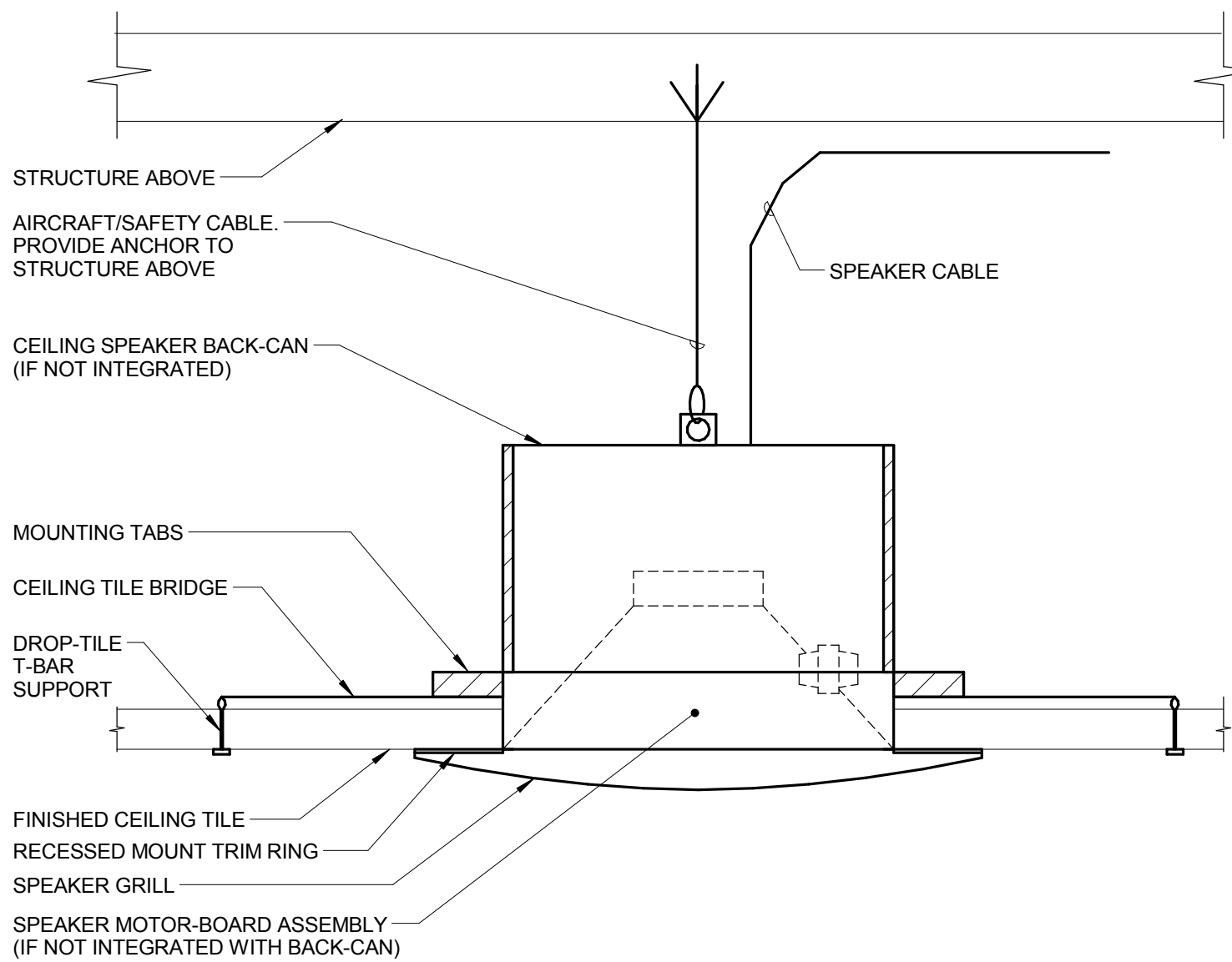
- KEYNOTES: (E)
 1. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT). BCT SHALL BE THE SAME SIZE AS THE TBS OR LARGER. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING REQUIREMENTS.



3 TYPICAL TELECOM ROOM BONDING FLOW DIAGRAM

- NO SCALE
 NOTES:
 1. THIS FLOW DIAGRAM IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS FLOW DIAGRAM IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL CONDUCTORS IN THE TECHNOLOGY BONDING SYSTEM SHALL BE MINIMUM SIZE OF 30 AWG (PLENUM RATED) COPPER (GREEN OR MARKED WITH A DISTINCTIVE GREEN COLOR) UNLESS CONDUCTOR LENGTH IS LESS THAN 66 FEET. REFER TO BONDING CONDUCTOR SIZING SCHEDULE FOR SIZING CRITERIA FOR CONDUCTORS LESS THAN 66 FEET IN LENGTH. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 3. ALL BONDING CONDUCTORS AND BONDING JUMPERS SHALL BE CONNECTED BY COMPRESSION LUGS, EXOTHERMIC WELDING, OR IRREVERSIBLE COMPRESSION CONNECTORS. SOLDER IS NOT AN ACCEPTABLE MEANS OF CONNECTION. SHEET METAL SCREWS SHALL NOT BE USED TO CONNECT COMMUNICATIONS BONDING CONDUCTORS TO EQUIPMENT. WHERE NECESSARY, REMOVE PAINT AND/OR USE PAINT-PIERCING WASHERS TO PROVIDE PROPER ELECTRICAL BOND AT ALL CONNECTIONS.
 4. REFER TO 114.00 FOR BONDING BUS BAR DETAIL AND ADDITIONAL INFORMATION AND REQUIREMENTS FOR SC-GND-1.

- KEYNOTES: (F)
 1. REFER TO TELECOM ROOM REFERENCES SCHEDULE ON DRAWING T0.00 FOR TELECOMMUNICATIONS ROOM NUMBER AND LOCATION INFORMATION.
 2. INCLUDES HORIZONTAL AND VERTICAL CONDUIT SLEEVES FOR TECHNOLOGY CABLING.
 3. TELECOMMUNICATIONS BONDING BACKBONE (TBB). REFER TO 214.00 FOR TELECOMMUNICATIONS BONDING RISER DIAGRAM.
 4. BONDING CONDUCTOR FOR TELECOMMUNICATIONS (BCT), TO ELECTRICAL ENTRANCE INTERSYSTEM BONDING TERMINATION. REFER TO 214.00 FOR TECHNOLOGY BONDING RISER DIAGRAM FOR CONTINUATION AND ADDITIONAL INFORMATION AND REQUIREMENTS.
 5. REFER TO THE ELECTRICAL DRAWINGS FOR LOCATION.
 6. PROVIDE SC-GND-2 RACK MOUNT TELECOMMUNICATIONS BONDING BUSBAR AT EACH EQUIPMENT RACK AND CABINET.
 7. BONDING EQUALIZER (BE). REFER TO 214.00 FOR TECHNOLOGY BONDING RISER DIAGRAM FOR CONTINUATION AND ADDITIONAL INFORMATION AND REQUIREMENTS ON TELECOMMUNICATIONS ROOMS THAT REQUIRE BONDING EQUALIZER CONNECTIONS.



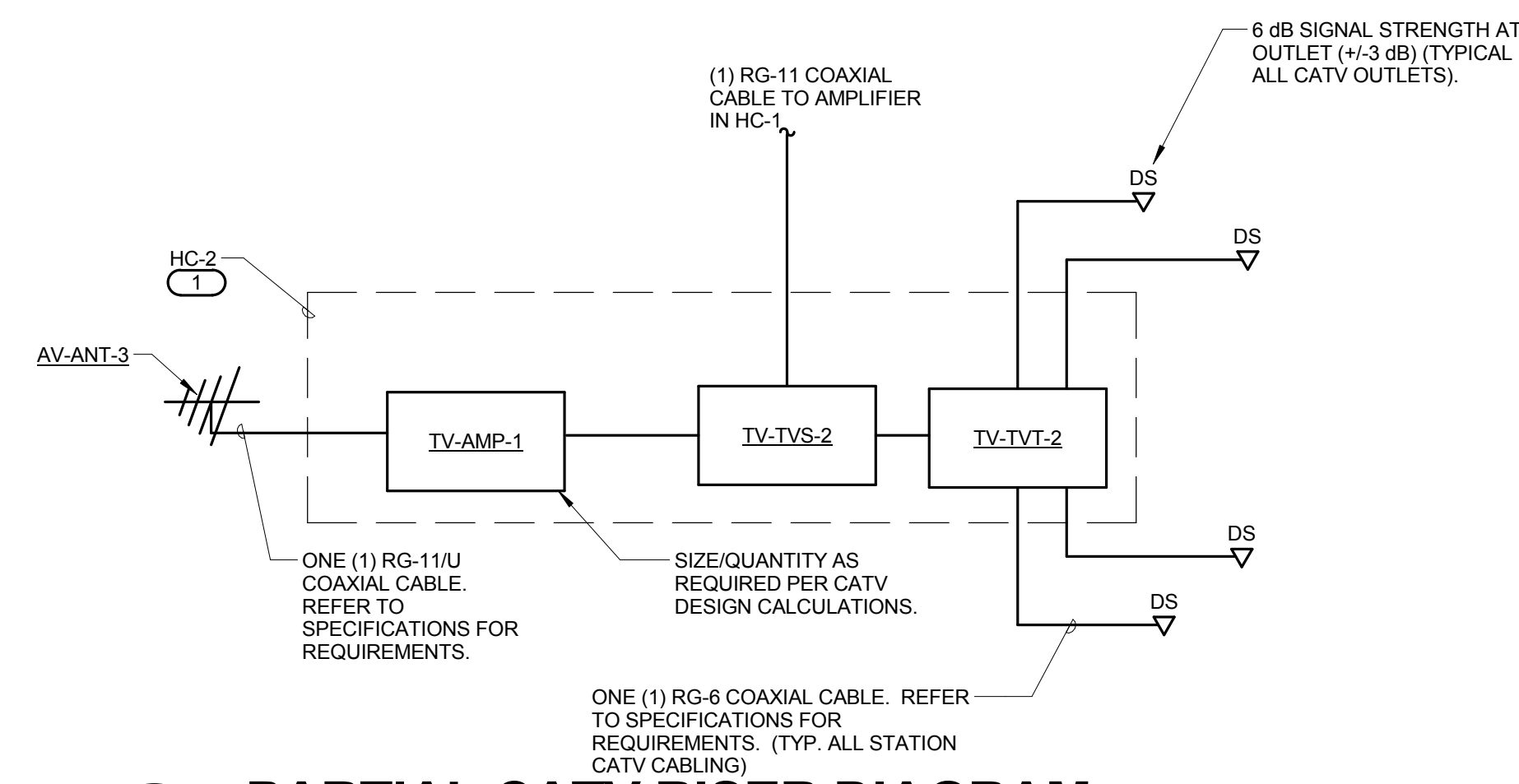
4 CEILING SPEAKER MOUNTING DETAIL

- NO SCALE
 NOTES:
 1. WHERE SUPPORTS ATTACH TO METAL ROOF DECKING, EXCLUDING CONCRETE ON METAL DECKING, DO NOT EXCEED 25 LBS. PER HANGAR AND A MINIMUM SPACING OF 2'-0" ON CENTER. THIS 25 LB. LOAD AND 2'-0" SPACING INCLUDE ELECTRICAL AND MECHANICAL ITEMS HANGING FROM DECK. IF THE HANGER RESTRICTIONS CANNOT BE ACHIEVED, THE ADDITION OF SUPPLEMENTAL FRAMING OFF STEEL FRAMING WILL BE REQUIRED.

5 PARTIAL CATV RISER DIAGRAM

- NO SCALE
 NOTES:
 1. CONTRACTOR TO PROVIDE CATV SYSTEM TO ALLOW 6dB +/- 3dB OF OUTPUT AT ALL TV OUTLETS. ACTUAL TAP/SPLITTER SETTINGS, LAYOUT, AND AMP SIZING/QUANTITY TO BE INCLUDED IN CONTRACTOR'S FINAL DESIGN. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 2. ALL CABLING IS TO BE RG-6 COAXIAL UNLESS OTHERWISE NOTED.
 3. REFER TO PLANS FOR QUANTITY OF CABLES AND JACKS TO BE INSTALLED AT EACH TELEVISION OUTLET.

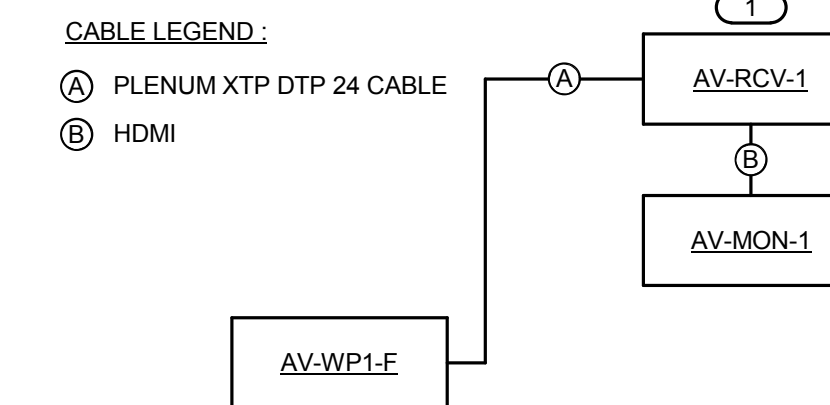
- KEYNOTES: (E)
 1. REFER TO COVERPAGE AND FLOOR PLANS FOR TELECOMMUNICATIONS ROOM LOCATIONS.



6 STUDENT MEETING ROOM AV RISER DIAGRAM

- NO SCALE
 NOTES:
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

- KEYNOTES: (E)
 1. MOUNT AV-RCV-1 BEHIND AV-MON-1. SECURE DEVICE TO MOUNT.

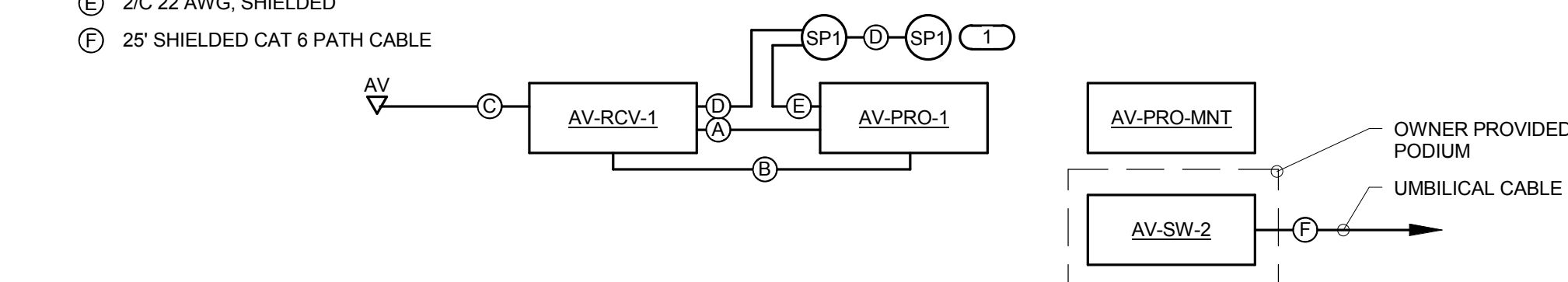


- CABLE LEGEND:
 (A) HDMI
 (B) 2-PAIR, 22 AWG, SHIELDED
 (C) PLENUM XTP DTP 24 CABLE
 (D) 2/C 18 AWG
 (E) 2/C 22 AWG, SHIELDED
 (F) 25' SHIELDED CAT 6 PATH CABLE

7 CLASSROOM/CONFERENCE ROOM A/V SYSTEM DIAGRAM

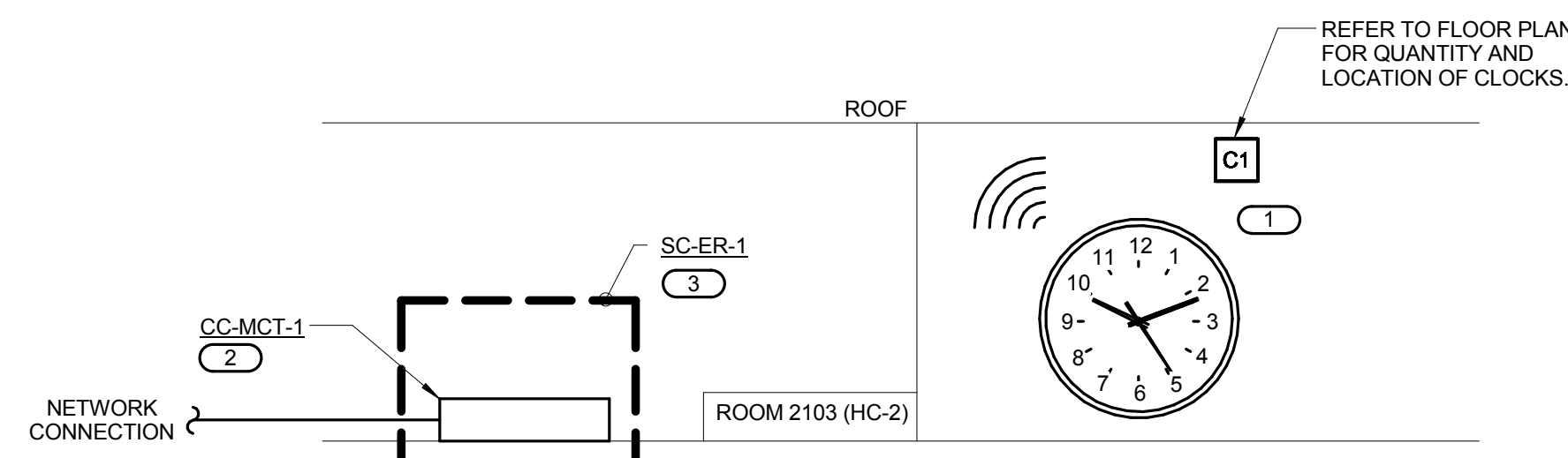
- NO SCALE
 NOTES:
 1. THIS RISER IS DIAGRAMMATIC AND MAY NOT SHOW ACTUAL ROUTING OR QUANTITIES OF MATERIALS. THIS RISER IS SHOWN FOR CLARIFICATION OF CONNECTION LOCATIONS AND CONDUCTOR TYPE. ALL CONNECTIONS AND SYSTEM DEVICES SHOWN ARE TYPICAL AND NOT REPRESENTATIVE OF ACTUAL PROJECT QUANTITIES. REFER TO FLOOR PLANS AND ENLARGED FLOOR PLANS FOR ACTUAL QUANTITIES AND LOCATIONS OF DEVICES AND MORE SPECIFIC ROUTING INFORMATION. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

- KEYNOTES: (E)
 1. REFER TO PLANS FOR QUANTITIES, TYPE AND LOCATION OF SPEAKERS.



8 WIRELESS GPS CLOCK RISER DIAGRAM

- NO SCALE
 NOTES:
 1. REFER TO FLOOR PLANS FOR QUANTITY AND LOCATION OF CLOCKS.
 2. THE CC-MCT-1 SHALL BE PROGRAMMED TO SYNCHRONIZE. PROVIDE ALL NECESSARY HARDWARE, PROGRAMMING AND COORDINATE CONNECTION AND PROGRAMMING WITH EQUIPMENT PROVIDER.
 3. ANTENNA MOUNTED ON TOP OF RACK.



KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:
TECHNOLOGY DETAILS

SHEET NUMBER:
T4.00

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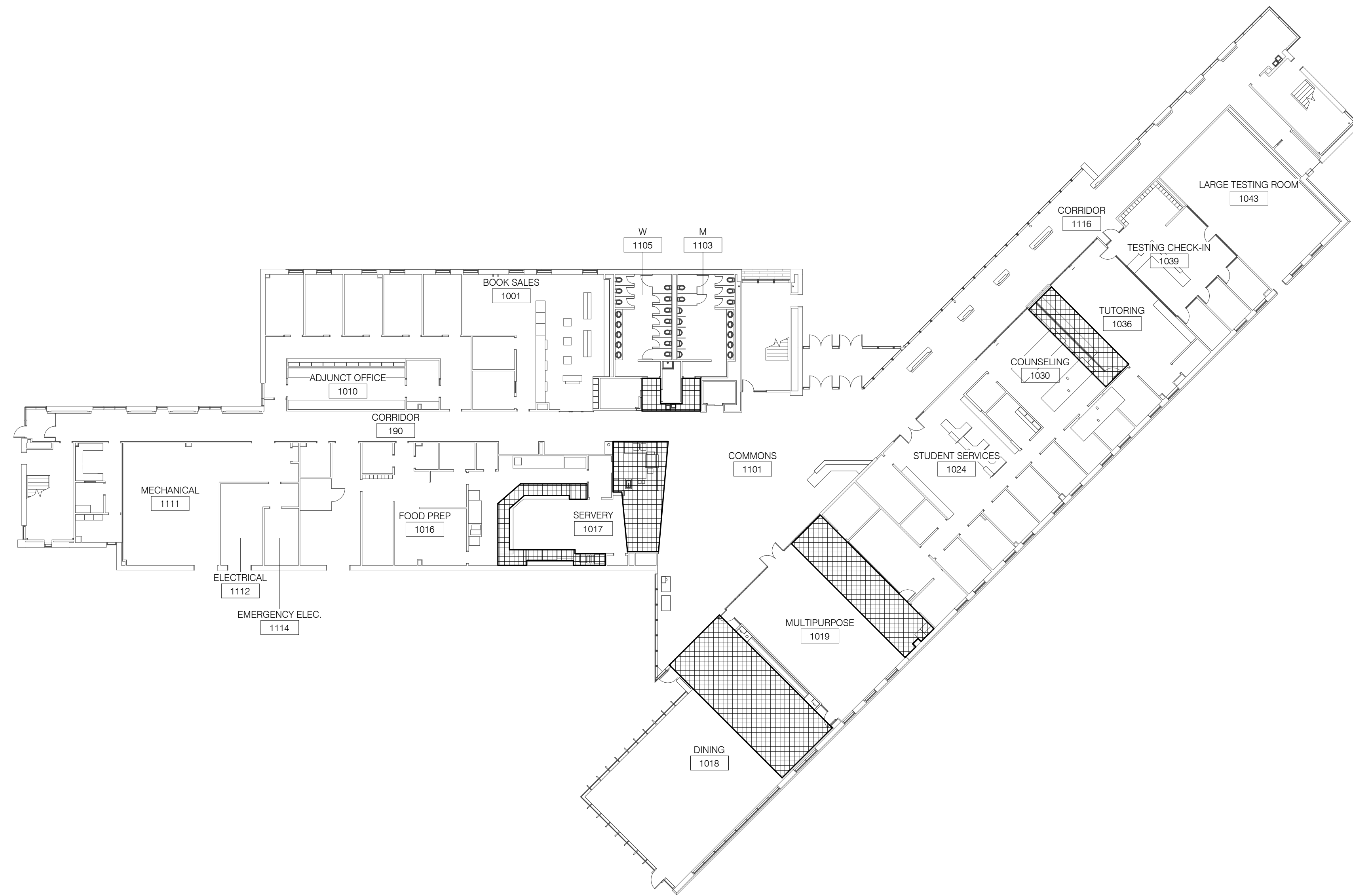


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 DKA PROJECT NO: 14-005



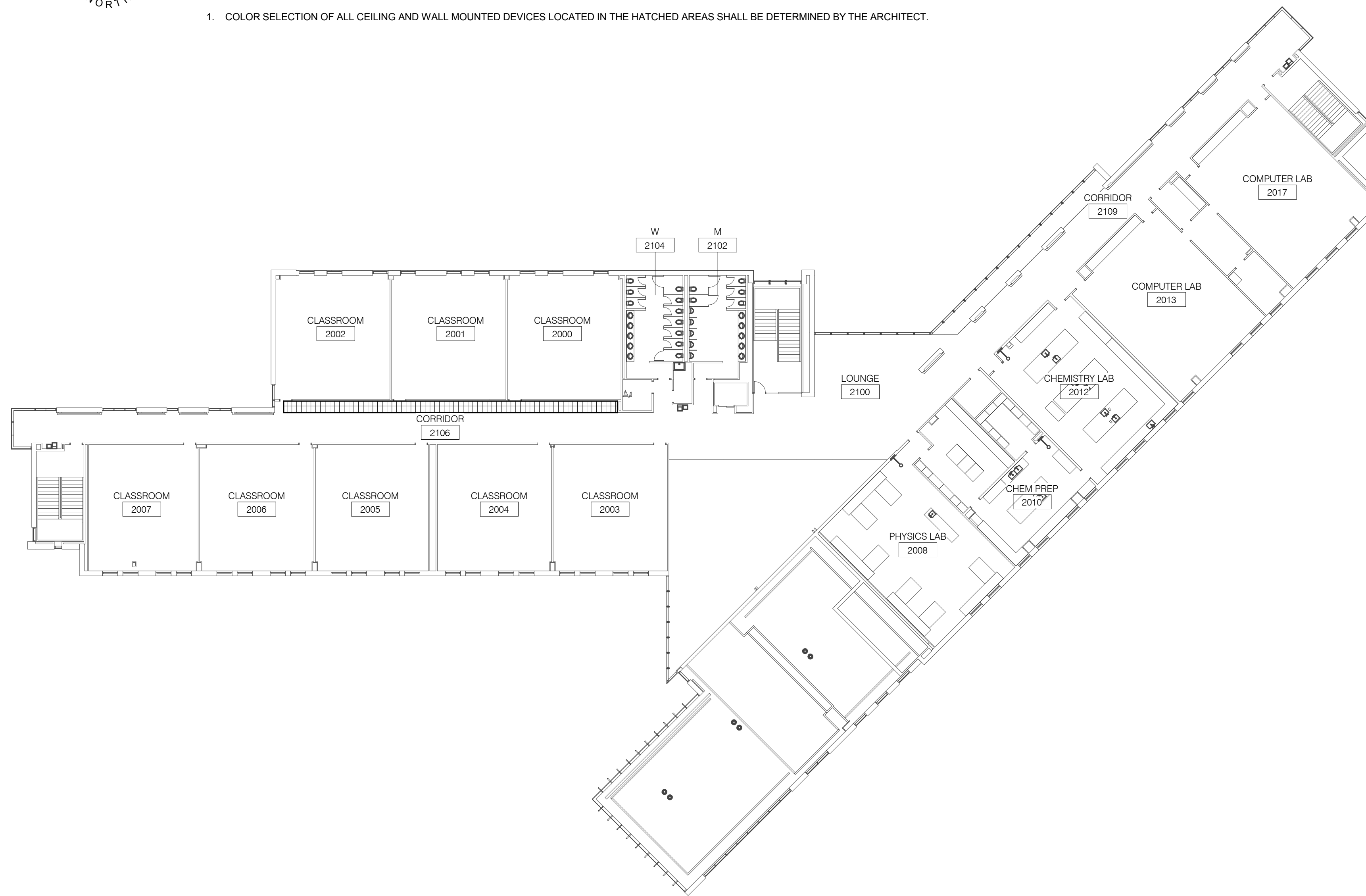
1

LEVEL 1 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

1" = 20'-0"

NOTES:

- COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.



2

LEVEL 2 PLAN - AREAS REQUIRING CUSTOM COLOR DEVICES

1" = 20'-0"

NOTES:

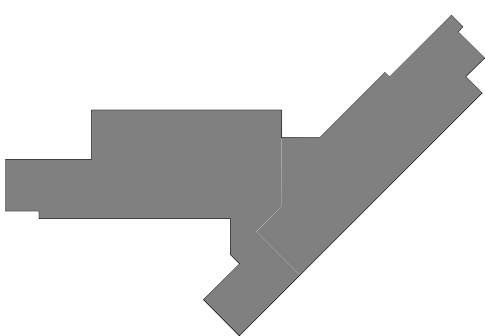
- COLOR SELECTION OF ALL CEILING AND WALL MOUNTED DEVICES LOCATED IN THE HATCHED AREAS SHALL BE DETERMINED BY THE ARCHITECT.

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KEY PLAN:



SHEET STATUS: 9/21/15
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NO.	DESCRIPTION:	DATE:

SHEET TITLE:
TECHNOLOGY DETAILS

SHEET NUMBER:
T4.01

GENERAL TECHNOLOGY EQUIPMENT SCHEDULE		
THE TAG NAMES AND THE TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.		
CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.		
EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	EQUIPMENT LIST MANUFACTURER AND MODEL
AC-CR1-W	CARD READER ROUGH-IN. FLUSH MOUNT ON WALL OR AS NOTED ON PLANS. ALL SECURITY ROUGH-INS SHALL HAVE (1) 4" SQUARE BACKBOX WITH SINGLE GANG PLASTER RING, APPROPRIATE COVERPLATE, AND (1) 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING. HEADEND EQUIPMENT AND CONNECTIONS FOR ACCESS CONTROL SHALL BE LOCATED IN HC-1. CARD READER ROUGH-IN SHALL BE MOUNTED AT 42" A.F.F. REFER TO 1/75.00 FOR DOOR ROUGH-IN DETAIL FOR MORE INFORMATION.	ROUGH IN ONLY
AC-CSS	ACCESS CONTROL SECURITY SYSTEM ROUGH-IN. REFER TO 1/75.00 FOR DOOR ROUGH-IN DETAIL FOR MORE INFORMATION.	ROUGH IN ONLY
AC-LD-W	ACCESS CONTROL DOOR LOCKDOWN DEVICE ROUGH-IN. INSTALL (1) 4" SQUARE BACKBOX WITH SINGLE GANG PLASTER RING, APPROPRIATE COVERPLATE, AND (1) 3/4" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING.	ROUGH IN ONLY
AV-ALS-1	ASSISTIVE LISTENING SYSTEM, ADA STANDARD STATIONARY RF SYSTEM, INCLUDES (1) ONE RF TRANSMITTER 72 OR 216MHZ, (1) ONE UNIVERSAL REMOTE MOUNT ANTENNA KIT AV-ANT-2, (1) ONE UNIVERSAL RACK MOUNTING KIT, (4) FOUR PORTABLE RF RECEIVERS 72 AND 216MHZ, (4) TWO NECK LOOPS, (1) ASSISTIVE LISTENING NOTIFICATION SIGNAGE. PROVIDE ADDITIONAL RECEIVERS, SPEAKERS AND NECK LOOPS AS REQUIRED BASED ON SEATING CAPACITY. REFER TO SPECIFICATION SECTION 27.41.00 FOR ADDITIONAL INFORMATION. PROVIDE 4" SQUARE BOX WITH SINGLE GANG RING AND 3/4" EMT CONDUIT TO AV-ER-2, FOR AV-ANT.	LISTEN TECHNOLOGIES TRANSMITTER LT-600 RECEIVER LR-400 EAR SPEAKER LA-164 NECK LOOP LA-166 ANTENNA KIT LA-122 RACK KIT LA-326 WILLIAM SOUND
AV-AMP-1	40 WATT / 70 VOLT AMPLIFIER, FREQUENCY RESPONSE 100 HZ TO 20 KHZ. MOUNT ON SHELF IN RACK. COMPACT SINGLE CHANNEL, POWER AMPLIFIER, ENERGY STAR QUALIFIED, TRANSFORMER ISOLATED OUTPUT, HIGH-EFFICIENCY CLASS D TOPOLOGY, CONNECTION COOLED, BALANCED LINE OUTPUT VIA TERMINAL BLOCK, BUILT IN STEREO TO MONO SUMMING ELECTRONIC SHORT CIRCUIT AND PROTECTION OVERLOAD, SIMPLE VOLUME, BASS AND TREBLE ADJUSTMENTS.	EXTRON MPA 401
AV-ANT	HEARING ASSISTIVE UNIVERSAL ANTENNA, INVERSE CEILING MOUNTED.	NO SUBSTITUTION
AV-ANT-1	WIRELESS MICROPHONE, REMOTE ANTENNA MOUNTED AT CEILING. PROVIDE 4" SQUARE BOX WITH A SINGLE GANG PLASTER RING AND 3/4" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING.	SHURE UA 820
AV-ANT-3	ROOF MOUNTED HDTV ANTENNA. PROVIDE WITH 1-1/2" 10' MAST. PROVIDE 1-1/2" WEATHER HEAD. COORDINATE ROOF LOCATION WITH ARCHITECT. PROVIDE (1) 1-1/2" CONDUIT TO HC-1. PROVIDE WITH ROHR JMN-23855 NON-PENETRATING BALLAST ROOF MOUNT AND (12) CONCRETE BLOCKS.	WINEGARD HD7696P
AV-ANT-SPLT	2 X 1 ANTENNA SPLITTER/COMBINER.	SHURE UA221
AV-CNTL-1	WALL MOUNTED WIRED 7" WIDESCREEN ACTIVE-MATRIX COLOR TOUCH SCREEN. POE NETWORK POWERED. INCLUDE BB710M BACKBOX. PROVIDE 3/4" EMT CONDUIT TO AV-ER-2. COORDINATE COLOR WITH ARCHITECT. PROVIDE WITH XTP PI 100 POE POWER INJECTOR.	WINEGARD HD7696P CHANNEL MASTER RCA
AV-ER-2	AV SLIDE OUT, ROTATING CABINET, 19.125" (W) X 31" (H) X 19.14" (D) WITH 16 USABLE RACK SPACES AND 250 LB WEIGHT CAPACITY. RACK RAIL SHALL BE 1" GAUGE STEEL WITH TAPPED 10-32 HOLES IN UNIVERSAL EIA SPACING. PROVIDE WITH BLACK FLAT POWDER COATED FINISH. PROVIDE (1) 1-1/4" AND (1) 3/4" CONDUITS TO ACCESSIBLE CEILING SPACE. COORDINATE MOUNTING WITH ARCHITECT PRIOR TO INSTALLATION.	EXTRON TMP PRO 720M
AV-MNT-2	TILT WALL MOUNT BRACKET FOR 55" DISPLAY. PROVIDE WITH +18-5 DEGREES OF TILT AND FIXED TILT LOCK WITH 5 DEGREE INCREMENTS. PROVIDE WITH SECURITY LOCK. CONTRACTOR TO PROVIDE THIS MOUNT FOR ALL OWNER FURNISHED DISPLAYS AND DIGITAL SIGNAGE MONITORS.	PEERLESS STX498 CHIEF PREMIER
AV-MON-1	OWNER FURNISHED CONTRACTOR INSTALLED 55" VIDEO DISPLAY.	OWNER FURNISHED CONTRACTOR INSTALLED
AV-PRO-1	3LCD PROJECTOR WITH 1024 X 768 NATIVE RESOLUTION, 802.11A, G WIRELESS CONNECTIVITY, VGA, USB, S-VIDEO AND COMPOSITE VIDEO AND 3.5MM AUDIO INPUTS. PROVIDE OPTIONAL WIRED ETHERNET LAN MODULE. PROVIDE BMS LOCI SERIES SECURITY MOUNT, DCP SERIES CEILING MOUNT AND ADJUSTABLE EXTENSION COLUMN.	OWNER FURNISHED CONTRACTOR INSTALLED
AV-PRO-2	VIDEO PROJECTOR, 10,000 LUMENS CEILING MOUNTED, 1920 X 1200 NATIVE RESOLUTION, 16X10 ASPECT RATIO PROVIDE WITH STANDARD LENS.	OWNER FURNISHED CONTRACTOR INSTALLED
AV-PRO-MNT	UNIVERSAL LOCKING PROJECTOR MOUNT, WITH #30 KEYLOCK, TWO INTERLOCKING STEEL TRAYS WITH ACCESS TO LAMP AND FILTER, HIGH SECURITY, PICK RESISTANCE, ADJUST WITHOUT TOOLS. 15 DEGREE +/- TILT, PITCH AND YAW.	BMS LDC LOC II
AV-RCV-1	MEDIA RECEIVER WALL PLATE, MOUNT BEHIND MONITOR OR IN CEILING AT PROJECTOR, PROVIDES (1) HDMI OUTPUT, PROVIDE ALL CABLES REQUIRED FOR INSTALLATION AND OPERATION. PROVIDE 4" SQUARE BOX WITH DOUBLE GANG VERTICAL RING AND 3/4" CONDUIT TO ACCESSIBLE CEILING OR FLOOR BOX. COORDINATE COLOR WITH ARCHITECT.	EXTRON DTP HDMI 4K 230D RX
AV-SP1-C	SELF AMPLIFIED SPEAKER SYSTEM CONSISTING ON (1) MASTER SPEAKER WITH AMPLIFIER AND (3) SLAVE SPEAKERS.	NO SUBSTITUTION
AV-SP2-C	COAXIALLY MOUNTED 6.5 IN WOOFER WITH BUTYL RUBBER SURROUND AND 3/4 IN TITANIUM COATED DIFFRACTION-LOADED TWEETER. HIGH POWER, WIDE FREQUENCY RANGE AND LOW DISTORTION FOR HIGH SOUND LEVEL CAPABILITY AND BUILT IN 70.7 / 100 VOLT TRANSFORMER WITH SELECTABLE TAPS, VIA ROTARY SWITCH WITH INTEGRATED BACKCAN.	AMK JBL CONTROL 26 CT TANNOY E-V
AV-SW-1	MEDIA PRESENTATION SWITCH, HIGH DEFINITION MULTI MEDIA SWITCHER, MIX MICRER, AUDIO DSP, AMPLIFIER AND CONTROL SYSTEM. ABILITY TO HANDLE RGB, COMPOSITE, S-VIDEO, COMPONENT AND STEREO AUDIO ANALOG SOURCES. HDMI, DVI, DISPLAY PORT MULTIMODE, HD BASE T AND SPDIF DIGITAL SOURCES, MATRIX ROUTING 8 X 4.	EXTRON DTP CROSSPOINT IPCP MA70 (60-398-154)
AV-SW-2	THREE INPUT SWITCHER WITH INTEGRATED DTP TRANSMITTER. TRANSMITS HDMI OR ANALOG VIDEO, CONTROL AND ANALOG AUDIO, 230' OVER A SHIELDED CAT6 CABLE. TWO HDMI AND ONE VGA INPUT. AUTO-SWITCHING BETWEEN INPUTS. EDID MINDER, BIDIRECTIONAL RS-232 AND IR FOR AV DEVICE CONTROL. HDCP COMPLIANT AND AUDIO INPUT ASSIGNMENT. PROVIDE WITH UNDER DESK MOUNTING KIT.	EXTRON DTP T USW 233
AV-VPS-1	CEILING MOUNTED RECESSED ELECTRIC SCREEN, TENSIONED ADVANTAGE ELECTROL, 113 INCH DIAGONAL, 16 X 10 FORMAT, HD PROGRESSIVE 1.3 GAIN SURFACE WITH BUILT-IN LOW VOLTAGE CONTROL AND SILENT MOTOR.	DALITE 24713LS DRAPER STEWART
AV-VPS-2	WALL MOUNTED PROJECTION SCREEN, 94 INCH DIAGONAL, MANUAL SCREEN, 16 X 10 FORMAT, DA-MAT SURFACE. PROVIDE WALL MOUNT BRACKET (DALITE 40932).	DALITE 36461 DRAPER STEWART
AV-WM-1	THE WIRELESS SYSTEM SHALL OPERATE IN THE UHF BAND BETWEEN 524 MHZ AND 865 MHZ. EFFECTIVE RANGE OF RECEIVER TO TRANSMITTER SHALL BE 100 METERS (300 FT) UNDER OPTIMUM CONDITIONS. AN INFRARED SIGNAL BEAMED FROM THE RECEIVER SHALL BE USED TO SYNCHRONIZE THE FREQUENCY BETWEEN THE TRANSMITTER AND RECEIVER WITH INCLUDED RACK HARDWARE AND DETACHABLE ANTENNAS. COORDINATE FREQUENCIES WITH WIRELESS COMPATIBILITY CHARTS AND/OR FREQUENCY FINDER PROVIDE (2) RECEIVERS WITH RACK MOUNT KIT.	SHURE SLX4 (H5)
AV-WM-2	HANDHELD WIRELESS MICROPHONE TRANSMITTER, POWERED BY TWO AA BATTERIES. UNIT SHALL HAVE ON/OFF / MUTE SWITCH AS WELL AS A TIMED BACKLIT LCD SHOWING FREQUENCY GROUP AND CHANNEL, LOCKED / UNLOCKED STATUS, AND BATTERY STRENGTH.	SHURE SLX2/SM58 (H5) AKG AUDIO TECHNICA
AV-WM-3	WIRELESS MICROPHONE BELTPACK AND CARDIOID LAVALIER MICROPHONE. THE TRANSMITTER WILL OPERATE IN UHF BAND AND HAVE AN EFFECTIVE RANGE OF 300 FEET UNDER OPTIMUM CONDITIONS. UNITS SHALL HAVE ON/OFF / MUTE SWITCH AS WELL AS A TIMED BACKLIT LCD SHOWING FREQUENCY GROUP AND CHANNEL, LOCKED/UNLOCKED STATUS AND BATTERY STRENGTH. THE LAVALIER MICROPHONE SHALL BE A CARDIOID ELEMENT, LOW PROFILE.	SHURE SLX1/WL185 (H5) AKG AUDIO-TECHNICA
AV-WP1-F	MEDIA TRANSMITTER MOUNTED IN FLOOR BOX BELOW TABLE. PROVIDE 3/4" CONDUIT TO BEHIND AV-MON-1. THE UNIT SHALL PROVIDE SIMPLE SWITCHING BETWEEN TWO INPUTS, HDMI AND VGA. THE INPUTS CAN BE CONFIGURED TO SWITCH AUTOMATICALLY OR BE SELECTED THROUGH A CONTROL SYSTEM. THE UNIT WILL PERFORM AUTOMATIC AV SIGNAL FORMAT MANAGEMENT VIA EDID.	EXTRON DTP T UWP 232D
AV-WP1-W	PROVIDES A REMOTE WALL PLATE INPUT CONNECTION FOR HDMI AND RGB SOURCES AS PART OF A COMPLETE MEDIA SYSTEM. CONNECTS TO THE INPUT OF A DTP SWITCHER OR RECEIVER VIA XTP 24 CABLE. MOUNTS IN A DOUBLE-GANG ELECTRIC BOX. INSTALL AT OUTLET HEIGHT WITH 3/4" CONDUIT TO ACCESSIBLE CEILING.	EXTRON DTP T UWP 232D
CC-C1-W	WIRELESS ANALOG CLOCK, 12" 18" ROUND, REQUIRES 115 VAC FOR POWER HAS THE ABILITY TO SYNC IN 5 MINUTES AUTOMATICALLY. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.	AMERICAN TIME AND SIGNAL SINGLE FACE SQ56BADD304R
CC-MCT-1	REMOTE CLOCK SYSTEM TRANSMITTER/CONTROLLER WITH 10 WATT OUTPUT, ETHERNET SYNC AND MAGNETIC MOUNT ANTENNA. FCC LICENSE PROVIDED WITH SYSTEM. REFER TO 8/14.00 FOR ADDITIONAL INFORMATION.	AMERICAN TIME AND SIGNAL SS30TH-104E
IC-EP-W	FULL DUPLEX EMERGENCY SPEAKERPHONE WITH (4) ACTIVE TOUCH BUTTONS INPUTS. DUAL CALL PROGRESS INDICATORS AND CONFORMAL COATED PCB FOR EMERGENCY COMMUNICATION. 3 MB MEMORY STORAGE. MESSAGE PLAYBACK OPTIONS. POWER OVER ETHERNET 12-24V AC/DC@400 MA WITH OPTIONAL BATTERY BACKUP. (1) 1" EMT CONDUIT TO ABOVE ACCESSIBLE CEILING. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN.	CODE BLUE IP5000 CB 6-P (ENCLOSURE) OR APPROVED EQUAL
SC-ER-1	2 POST EQUIPMENT RACK, 45 RU, 84" H X 20 3/4" W, X 3"D, STANDARD 19" MOUNTING SPACE, #12-24 THREADED MOUNTING HOLES, DURABLE BLACK POWDER COAT FINISH, MEETS EIA-310-E REQUIREMENTS. 1000 LBS LOAD CAPACITY. UL LISTED.	PANDUIT R2P
SC-FDC-1	OPTICAL FIBER DISTRIBUTION CABINET, COMBINATION SHELF, 288 FIBER CAPACITY, SLIDE OUT RAILS TO FACILITATE FRONT ACCESS, JUMPER THROUGH IN CONNECTOR PANELS TO REDUCE MOUNTING SPACE, PROVIDE WITH CLAMP AND GROUNDING KIT, COUPLING PANELS, LC CONNECTORS, COUPLINGS AND JUMPERS, REQUIRES (4) 1.75" MOUNTING SPACES.	NO SUBSTITUTION PANDUIT FRM4

GENERAL TECHNOLOGY EQUIPMENT SCHEDULE		
THE TAG NAMES AND THE TECHNOLOGY EQUIPMENT SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR. EACH CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF QUANTITIES AND SHALL FURNISH ALL MATERIAL REQUIRED, WHETHER SPECIFIED OR NOT, TO PRODUCE A SATISFACTORY WORKING SYSTEM.		
CATALOG NUMBERS SHALL NOT BE CONSIDERED COMPLETE BUT ARE GIVEN ONLY TO AID THE CONTRACTOR IN THE SEARCH FOR MATERIAL. NO MATERIAL SHALL BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. EACH CONTRACTOR SHALL FIRST READ THE COMPLETE DESCRIPTION OF THE MATERIAL ON THESE DRAWINGS AND SPECIFICATIONS. THE FIRST MANUFACTURER LISTED IS THE BASIS OF DESIGN. "STANDARD COLOR" INDICATES FACTORY FINISH AVAILABLE AT NO ADDITIONAL CHARGE.		
EQUIPMENT LIST ABBREVIATION	EQUIPMENT LIST DESCRIPTION	EQUIPMENT LIST MANUFACTURER AND MODEL
SC-FDC-2	OPTICAL FIBER DISTRIBUTION CABINET, COMBINATION SHELF, 48 FIBER CAPACITY, SLIDE OUT RAILS TO FACILITATE FRONT ACCESS, JUMPER THROUGH IN CONNECTOR PANELS TO REDUCE MOUNTING SPACE, PROVIDE WITH CLAMP AND GROUNDING KIT, COUPLING PANELS, LC CONNECTORS, COUPLINGS AND JUMPERS, REQUIRES (1) 1.75" MOUNTING SPACES.	PANDUIT FRM1E-U
SC-GND-1	WALL MOUNT GROUND BAR, 4" H X 12" L X 1/4" D COPPER, ELECTRICALLY ISOLATED BY INSULATORS INTEGRAL TO MOUNTING BRACKETS. PROVIDE UNIT CONFIGURED WITH SIXTEEN (16) SETS OF 5/16" HOLES SPACED 5/8" ON CENTER TO ACCOMMODATE "A" SPACED TWO-HOLE COMPRESSION LUGS AND THREE (3) SETS OF 7/16" HOLES SPACED 1" ON CENTER TO ACCOMMODATE "C" SPACED TWO-HOLE COMPRESSION LUGS. ANSIE/ASTM-607 AND BICSI COMPLIANT. UL LISTED. REFER TO 4/74.00 FOR ADDITIONAL INFORMATION.	NO SUBSTITUTION PANDUIT GB480612TP-1
SC-IO-C	INFORMATION OUTLET, CEILING MOUNT, 2-PORT COVERPLATE AS INDICATED ON DRAWINGS. REFER INFORMATION OUTLET SCHEDULE ON SHEET 10.00 FOR PIN CONFIGURATION. * * * INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER TO INFORMATION OUTLET SCHEDULE ON SHEET 10.00 FOR DETAILS.	COVERPLATE: PANDUIT CFP2W PANDUIT CFP2W
SC-IO-FB	INFORMATION OUTLET, FLOORBOX OR POKE-THROUGH MOUNT, 2, 4, 6-PORT COVERPLATE AS INDICATED ON DRAWINGS. REFER TO INFORMATION OUTLET SCHEDULE ON SHEET 10.00 FOR DETAILS. * * * INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER INFORMATION OUTLET SCHEDULE ON SHEET 10.00 FOR DETAILS.	COVERPLATE: PANDUIT CFP2W CFP4W CFP6W JACK: PANDUIT CAT 6 C3688TGW
SC-IO-W	INFORMATION OUTLET, WALL MOUNT, 2, 4, 6-PORT COVERPLATE AS INDICATED ON DRAWINGS. REFER TO INFORMATION OUTLET SCHEDULE ON SHEET 10.00 FOR DETAILS. * * * INDICATES INFORMATION OUTLET FACEPLATE CONFIGURATION AS INDICATED ON THE PLANS. REFER INFORMATION OUTLET SCHEDULE ON SHEET 10.00 FOR DETAILS.	COVERPLATE: PANDUIT CFP2W CFP4W CFP6W JACK: PANDUIT CAT 6 C3688TGW
SC-LP1-W	LAPTOP WALL MOUNT CABINET, DOUBLE DOOR, KEY LOCK, AUTO CLOSELOER DOOR, VELCRO STRAPS IN UPPER COMPARTMENT, MONITOR MOUNT, MOUSE BRACKET, SUPPORTS THIN CLIENT, 19-22" WIDESCREEN MONITOR, BAR CODE READER, KEYBOARD, MOUSE AND APC BATTERY PACK. PROVIDE WITH BRIGHT WHITE FINISH.	PETER PEPPER PRODUCTS CS10
SC-LR-1	LADDER RACK, 18" W TUBULAR STEEL CONSTRUCTION, RUST RESISTANT ENAMEL FINISH, REMOVE SHARP BURRS FROM LADDER RACK AND REPAINT ALL AREAS THAT HAVE BEEN FIELD MODIFIED, CUT OR EXPOSED. U.L. LISTED.	HOMACO INC. TR10-18 CHATSWORTH PRODUCTS B-LINE
SC-MPP-1	MODULAR PATCH PANEL, 48 MODULAR RJ-45 TERMINATIONS, MOUNTS DIRECTLY TO EIA/19" STANDARD 19" RELAY RACK, PORT IDENTIFICATION NUMBERS, PROVIDED WITH COLOR CODING AND LABEL HOLDER KITS. U.L. LISTED. REQUIRES (2) 1.75" MOUNTING SPACES.	PANDUIT CAT 6 CPP48FMWBLV
SC-RI-W	TECHNOLOGY ROUGH-IN, HORIZONTALLY MOUNTED. ALL TECHNOLOGY ROUGH-INS SHALL HAVE (1) 4" SQUARE BACKBOX WITH SINGLE GANG PLASTER RING UNLESS OTHERWISE NOTED, APPROPRIATE COVERPLATE AND 1-1/4" EMT CONDUIT TO ACCESSIBLE CEILING OR AS PER NOTED IN PLANS.	JACK: PANDUIT CAT 6 C3688TGBL
SC-TTB	TELECOMMUNICATIONS TERMINAL BOARD, 4' X 8' X 3/4" A-C GRADE FIRE-RATED PLYWOOD, EXPOSED SIDE SHALL BE SMOOTH. MOUNT VERTICALLY WITH TOP OF PLYWOOD AT 86" A.F.F.	-
SC-WM-1	VERTICAL WIRE MANAGER, 83H X 4 5/8" X 12"D, INCLUDES HINGED COVERS, CABLE RETAINERS, MOUNTING BRACKETS AND #12-24 SCREWS, BLACK POWDER COATED.	PANDUIT WMPV45E WMPH2E
SC-WM-2	HORIZONTAL WIRE MANAGEMENT, 3" X 3" RIGID FRONT FINGERS WITH FLEXIBLE RETENTION TABS, 2" X 5" FLEXIBLE REAR FINGERS, REMOVABLE FRONT COVER HINGES 180 DEGREES UP OR DOWN, INTEGRAL BEND RADIUS CONTROL, PASS THROUGH HOLES ALLOW FRONT TO REAR CABLING. REQUIRES (2) 1.75" MOUNTING SPACES.	NO SUBSTITUTION
SC-WP-W	INFORMATION OUTLET, WALL PHONE, PROVIDE (1) RJ-45 JACK FOR VOICE AT +48" AFF FOR WALL HUNG PHONE. PROVIDE WITH STAINLESS STEEL FACEPLATE, MATING LUGS. INSTALL INFORMATION OUTLET IN A 4" SQUARE BACKBOX WITH A SINGLE GANG PLASTER RING. INSTALL A 3/4" EMT CONDUIT TO NEAREST ACCESSIBLE CEILING.	COVERPLATE: PANDUIT KWPPPY KWPPPY
TV-AMP-1	BROADBAND DISTRIBUTION AMPLIFIER, 49-1000 MHZ FREQUENCY RANGE, +40 dBmV OUTPUT LEVEL, POWER DOUBLING CAPABILITY, ALUMINUM CHASSIS, WALL MOUNTED, BUILT-IN VARIABLE GAIN AND SLOPE CONTROLS WITH 10 dB GAIN CONTROL, RANGE AND 8 dB SLOPE CONTROL RANGE, INPUT AND OUTPUT TEST PORTS, PROVIDES TEMPERATURE STABILITY, LINE TRANSPARENT PROTECTION.	BLONDER TONGUE BIDA-100A-30
TV-TVS-2	2-WAY SPLITTER, 10-1000 MHZ FREQUENCY RANGE, IN-LINE, RF SHIELDING, MOUNTING TABS AND GROUNDING BLOCKS, DIE CAST HOUSING, OUTPUT LOSSES WILL VARY, PROVIDE PER INSTALLATION REQUIREMENTS.	BLONDER TONGUE SUV-2
TV-TVT-2	2-WAY DIRECTIONAL COUPLER/TAP, 5-1000 MHZ FREQUENCY RANGE, RF SHIELDING, DIE CAST HOUSING, ISOLATION OUTPUTS AND THRU-LINE LOSSES WILL VARY, PROVIDE PER INSTALLATION REQUIREMENTS.	BLONDER TONGUE SRT-2A



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ROMEORVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEORVILLE, IL 60446
 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUED FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

SHEET TITLE:
TECHNOLOGY EQUIPMENT SCHEDULE

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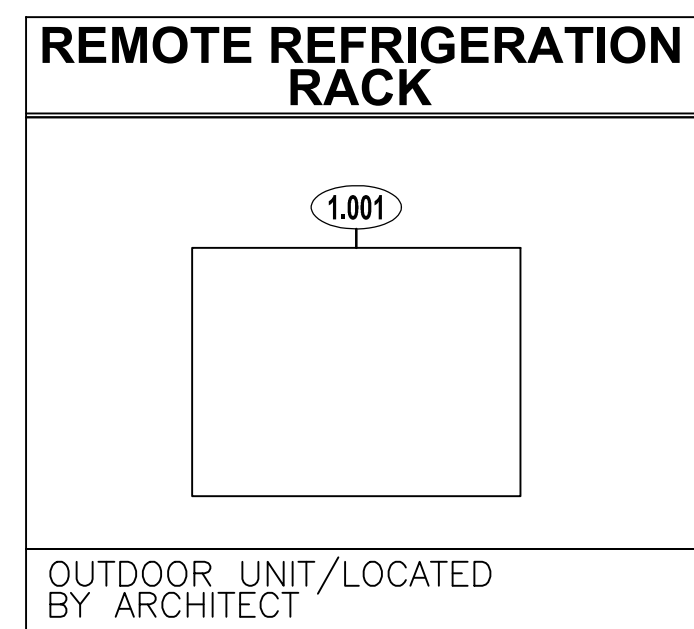
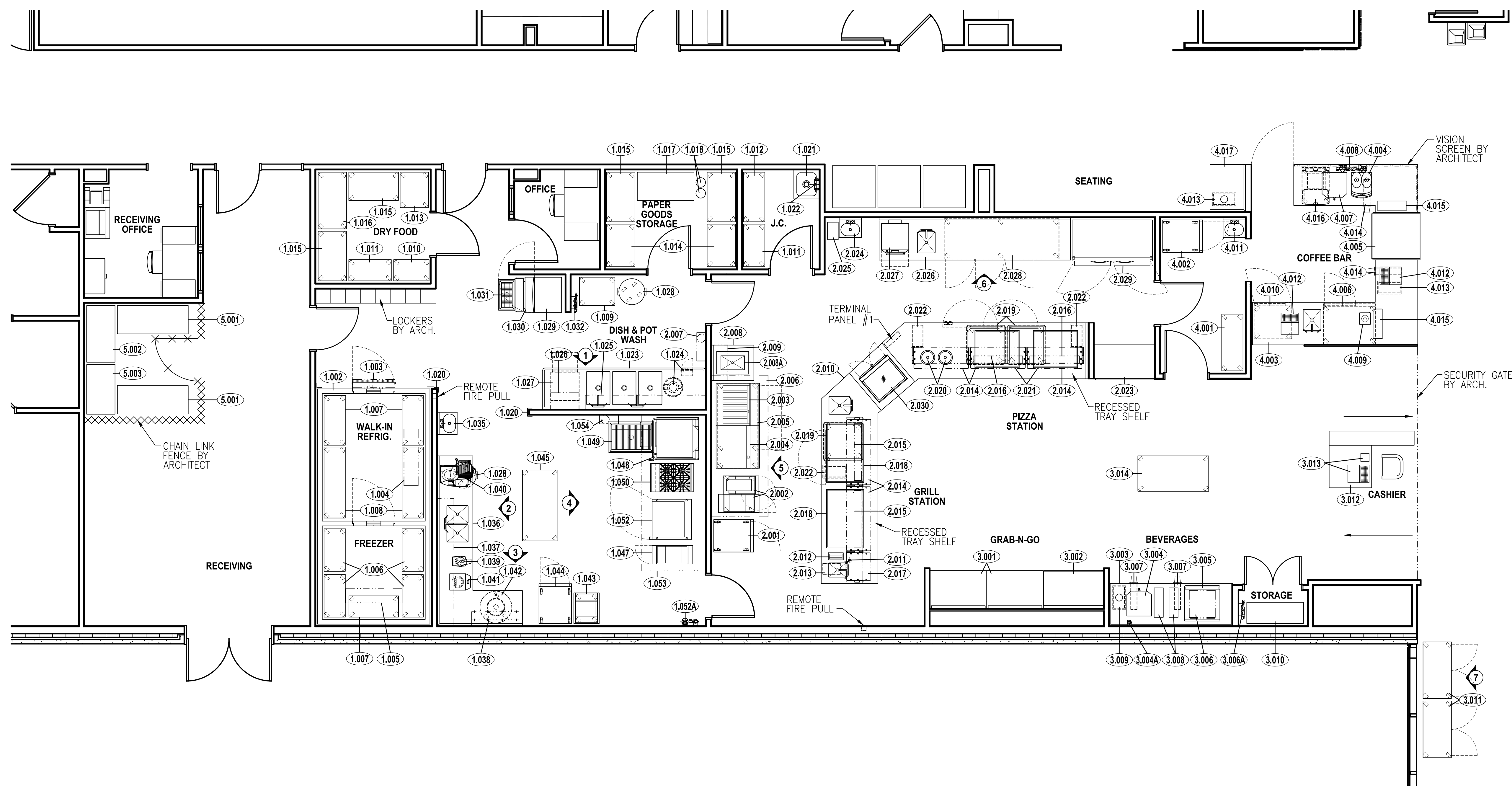


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**JOLIET JUNIOR COLLEGE
 ROMEOVILLE CAMPUS EXPANSION**
 1125 135th ST. ROMEOVILLE, IL 60446
 DKA PROJECT NO: 14-005



SCHEDULE OF EQUIPMENT				SCHEDULE OF EQUIPMENT				SCHEDULE OF EQUIPMENT				SCHEDULE OF EQUIPMENT			
ITEM NO.	QTY	DESCRIPTION	REMARKS	ITEM NO.	QTY	DESCRIPTION	REMARKS	ITEM NO.	QTY	DESCRIPTION	REMARKS	ITEM NO.	QTY	DESCRIPTION	REMARKS
1.001	1	Remote Refrigeration Rack	Air cooled / Outdoor Unit	1.036	1	Worktable with Sinks		2.012	1	Countertop Mounted Paper Towel Dispenser		3.010	1	Wire Shelving Unit	
1.002	1	Walk-In Box		1.037	1	Wall Shelf		2.013	1	Garbage Can		3.011	2	Mobile Condiment Counters	NIKEC - By Millwork Trades
1.003	1	Air Curtain		1.038	1	Pot Rack		2.014	5	Sneeze Guard, Single Full-Service, Stationary	w/ Lights	3.012	1	Cashier's Counter	
1.004	1	Evaporator Coil +35 Degrees	Remote Refrigeration	1.039	1	Food Processor		2.015	2	Heat Lamp	Mounted on Food Shields	3.013	1	POS Unit & Scale	NIKEC - By Owner
1.005	1	Evaporator Coil -10 Degrees	Remote Refrigeration	1.040	1	Meat Slicer		2.016	2	Heat Lamp	Mounted On Food Shields	3.014	1	Snack Display	NIKEC - By Millwork Trades
1.006	4	Plastic Shelving Unit		1.041	1	Induction Range		2.017	1	Sneeze Guard, Single Full-Service, Stationary		4.001	1	Plastic Shelving Unit	
1.007	3	Plastic Shelving Unit		1.042	1	Vegetable Dryer		2.018	2	Heated Shelf Food Warmer		4.002	1	Reach-in Refrigerator	
1.008	2	Plastic Shelving Unit		1.043	1	Pan Rack, Bun		2.019	3	Heated Cabinet, Mobile		4.003	1	Cafe Front Counter	
1.009	1	Plastic Shelving Unit		1.044	1	Reach-In Refrigerator		2.020	2	Drop-In Hot Well	Auto-Fill Model	4.004	1	Espresso Cappuccino Machine	
1.010	1	Wire Shelving Unit		1.045	1	Mobile Worktable		2.021	2	Heated Shelf Food Warmer		4.005	1	Service/Self-Service Combo Merchandiser	Remote Refrigeration
1.011	2	Wire Shelving Unit		1.046	1	Open Number		2.022	3	Garbage Can		4.006	1	Reach-in Undercounter Refrigerator	
1.012	1	Wire Shelving Unit		1.047	1	Fryer		2.023	3	Garbage Can		4.007	1	Coffee Maker	NIKEC - By Vendor/Supplier
1.013	1	Wire Shelving Unit		1.048	1	Tilting Skillet, Electric		2.024	1	Refrigerated Merchandiser		4.008	1	Water Filter Assembly	Provides interconnected filtered water supply to items #4.004 & 4.007
1.014	2	Wire Shelving Unit		1.049	1	Floor Trough		2.025	1	Hand Sink		4.009	1	Bar Blender	
1.015	4	Wire Shelving Unit		1.050	1	HD Range, 24", 4 Open Burners		2.026	1	Garbage Can		4.010	1	Reach-in Undercounter Freezer	
1.016	1	Wire Shelving Unit		1.051	1	Open Number		2.027	1	Back Counter with Sink		4.011	1	Hand Sink	
1.017	1	Bag & Box Soda System	NIKEC - By Vendor/Supplier	1.052	2	Combi Oven	Double-Stacked Units	2.028	1	Microwave Convection Oven		4.012	2	POS Unit	NIKEC - By Owner
1.018	2	CO2 Tanks	NIKEC - By Vendor/Supplier	1.052A	1	Water Filter Assembly	Provides interconnected filtered water supply to items #1.052	2.029	1	Reach-in Undercounter Refrigerator		4.013	1	Garbage Can	
1.019	1	Open Number		1.053	1	Exhaust Hood		2.030	1	Roll-in Refrigerator	Remote Refrigeration	4.014	6	Disposable Cup Dispenser	
1.020	3	Corner Guards		1.054	1	Fire Suppression System		2.031	1	Drop-in Refrigerated Merchandiser		4.015	2	Lid Dispenser	
1.021	1	Mop Sink		1.055	1	Open Number		2.032	1	Open Number		4.016	1	Mobile Ice Bin	
1.022	1	Janitor's Sink Faucet & Air Gap		1.056	1	Open Number		3.001	2	Open Merchandiser	Remote Refrigeration	4.017	1	Condiment Counter	NIKEC - By Millwork Trades
1.023	1	Three (3) Compartment Sink		2.001	1	Reach-In Freezer		3.002	1	Refrigerated Merchandiser		5.001	1	Wire Shelving Unit	
1.024	1	Disposer	Connect unit to drain board in item # 1.023	2.002	1	Fryer		3.003	1	Beverage Counter		5.002	1	Wire Shelving Unit	
1.025	1	Pot & Utensil Rack		2.003	1	HD Range, 36", Charbroiler		3.004	1	Coffee Maker	NIKEC - By Vendor/Supplier	5.003	1	Wire Shelving Unit	
1.026	1	Rack Overshelf, Wall-Mounted		2.004	1	HD Range, 36", Griddle		3.005	1	Soda Fountain	NIKEC - By Vendor/Supplier				
1.027	1	Dishwasher, Undercounter		2.005	1	Equipment Stand, Refrigerated Base		3.006	1	Nugget Ice Maker	NIKEC - By Supplier/Vendor; Air Cooled				
1.028	2	Garbage Can		2.006	1	Exhaust Hood		3.006A	1	Water Filter Assembly	Provides interconnected filtered water supply to item #3.006				
1.029	1	Ice Cuber	Air Cooled	2.007	1	Fire Suppression System		3.007	6	Disposable Cup Dispenser					
1.030	1	Ice Bin for Ice Machines		2.008	1	Back Counter Cold Food Well Unit, Drop-In, Refrigerated		3.008	2	Lid Dispenser					
1.031	1	Floor Trough		2.008A	1	Wall Shelf		3.009	1	Garbage Can					
1.032	1	Water Filter Assembly	Provides interconnected filtered water supply to item # 1.029	2.010	1	Server Front Counter									
1.033	1	Open Number		2.011	1	Panel-Mounted Soap Dispenser									
1.034	1	Open Number													
1.035	1	Hand Sink													

NIKEC - NOT IN KITCHEN EQUIPMENT CONTRACT

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KEY PLAN:

SHEET STATUS: 9/21/15

ISSUE FOR CONSTRUCTION

NO. DESCRIPTION DATE:

NO.	DESCRIPTION	DATE

SHEET TITLE:

**FOODSERVICE
 EQUIPMENT PLAN &
 SCHEDULE**

SHEET NUMBER:

QF101

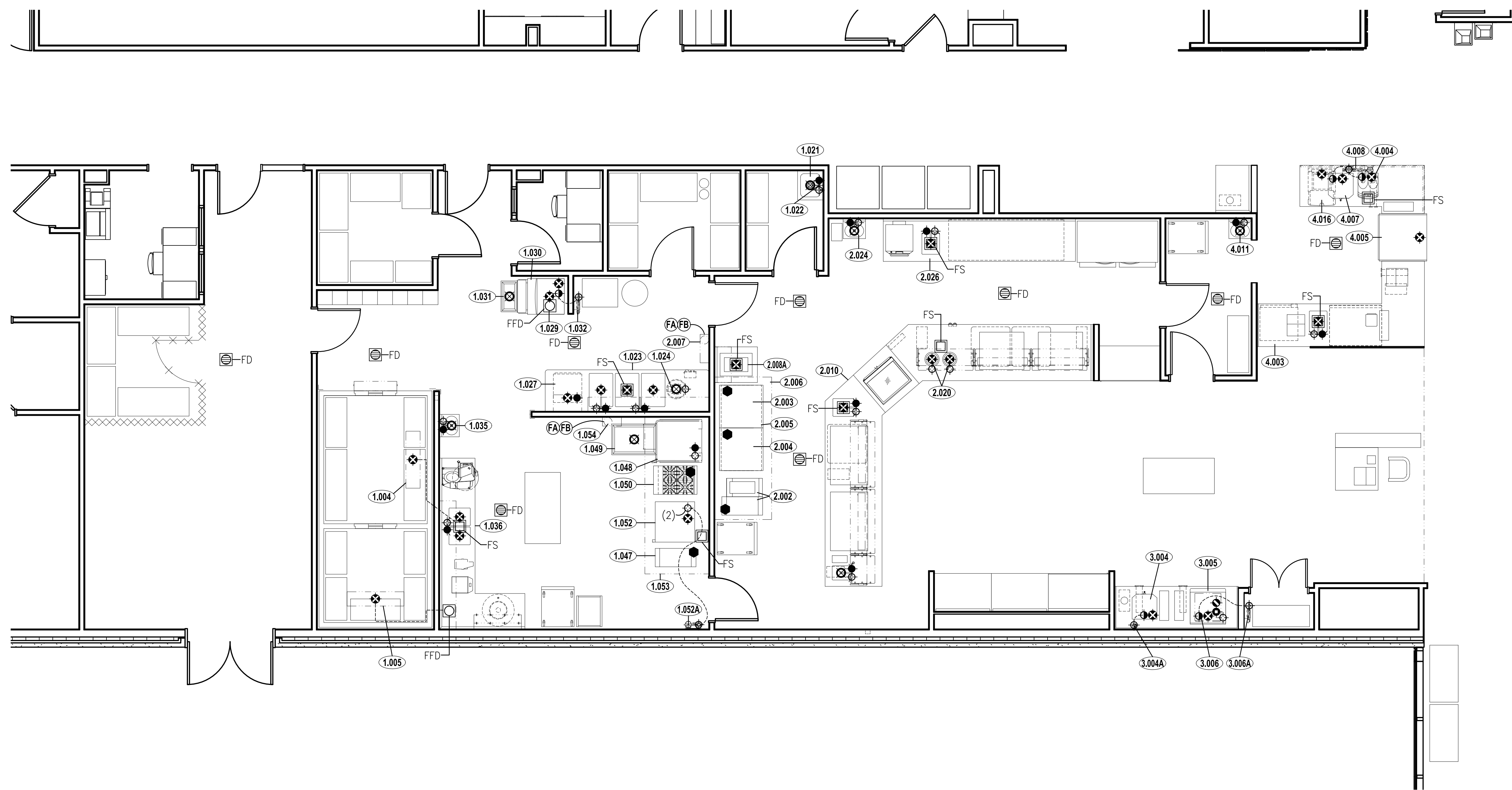


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ROMEIOVILLE CAMPUS EXPANSION
 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005



MECHANICAL NOTES

WORK DESCRIBED IN THESE NOTES IS TO BE PERFORMED UNDER DIVISION 22 (PLUMBING) AND DIVISION 23 (HVAC).

- THIS DRAWING LOCATES FINAL MECHANICAL POINTS OF CONNECTION FOR EACH FOODSERVICE EQUIPMENT ITEM. IT DOES NOT INDICATE UTILITY ROUGH-IN LOCATIONS AND MUST NOT BE USED FOR THAT PURPOSE. LOCATIONS, SIZES, AND HEIGHTS ABOVE THE FLOOR ARE APPROXIMATELY AS THEY WILL OCCUR ON EQUIPMENT ITEMS SHOWN. THE DESIGN OF SYSTEMS TO ACCOMMODATE THESE REQUIREMENTS IS TO BE IN ACCORDANCE WITH ALL APPLICABLE CODES AND MEET WITH THE APPROVAL OF ALL GOVERNING AUTHORITIES.
- UTILITIES SHOWN ARE FOR FOODSERVICE EQUIPMENT ITEMS ONLY. THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE MECHANICAL DRAWINGS FOR OTHER REQUIRED UTILITIES.
- CONCEAL ALL UTILITIES (GAS AND WATER LINES) IN WALLS AND STUB-OUT OF WALLS AS REQUIRED FOR CONNECTIONS. DO NOT RUN EXPOSED ON THE FACE OF THE WALL. DO NOT STUB-OUT OF THE FLOOR UNLESS IT IS BELOW FREESTANDING EQUIPMENT.
- EXPOSED PIPING AND FITTINGS ABOVE WORK SURFACES TO BE STAINLESS STEEL. EXPOSED PIPING AND FITTINGS BELOW WORK SURFACES TO BE SILVER PAINTED.
- ALL HORIZONTAL PIPING RUNS EXTENDED TO AND CONNECTED TO EQUIPMENT ITEMS SHALL BE AT THE HIGHEST PRACTICAL ELEVATION, BUT NOT LESS THAN 6" (155mm) ABOVE THE FLOOR SO AS TO PROVIDE CLEARANCE FOR CLEANING.
- PROVIDE WATER AND GREASE-PROOF EXHAUST DUCTS FROM VENT CONNECTIONS OF DISHWASHING MACHINES, EXHAUST HOODS, AND VENTILATORS.
- PROVIDE FIRE EXTINGUISHING SYSTEM IN ALL GREASE EXHAUST DUCTS AS REQUIRED. NOT USED.
- A MECHANICAL GAS SHUT OFF VALVE OR ELECTRICAL SOLENOID SHUT OFF VALVE WITH MOMENTARY POWER INTERRUPTION DEVICE SHALL BE PROVIDED LOOSE BY KEC FOR FIELD INSTALLATION IN SUPPLY LINE FOR GAS FUELED EQUIPMENT ITEMS.
- PROVIDE GREASE TRAPS WITH TOP FLUSH WITH TOP OF FINISHED FLOOR UNLESS PROVIDED OUTSIDE FOODSERVICE AREA. GREASE TRAPS SHALL NOT BE LOCATED BENEATH ANY FOODSERVICE EQUIPMENT ITEM UNLESS THERE IS SUFFICIENT SPACE TO REMOVE COVER FOR SERVICE WITHOUT INTERFERING WITH THE OPERATION OF EQUIPMENT ITEMS.
- PROVIDE EACH AIR-COOLED REFRIGERATION SYSTEM WITH A MINIMUM AIR SUPPLY OF 1,000 CFM PER HORSE POWER AND ADEQUATE EXHAUST TO KEEP AREA ADJACENT TO COMPRESSOR AND/OR COMPRESSOR ROOM TEMPERATURE BELOW 90°F (32°C).
- PROVIDE EACH WATER COOLED REFRIGERATION SYSTEM WITH A MINIMUM WATER SUPPLY OF 1.5GPM PER HORSEPOWER AT 70°F (21°C) AND A MINIMUM AIR SUPPLY OF 200 CFM PER HORSEPOWER WITH ADEQUATE EXHAUST TO MAINTAIN AREA ADJACENT TO COMPRESSOR AND/OR COMPRESSOR ROOM TEMPERATURE BELOW 90°F (32°C).
- SEE SPECIAL CONDITIONS PLAN OF EACH AREA FOR SIZE AND LOCATION OF CONDUIT FOR BEVERAGE SYSTEM LINES. CONDUITS FOR BEVERAGE SYSTEMS SHALL BE WATERTIGHT AND HAVE 24" (600mm) MINIMUM RADIUS BENDS AND PULL BOXES EVERY 50' (15M).
- PROVIDE LINES FOR COMPRESSED AIR AND INTERCONNECT EACH ITEM UTILIZING COMPRESSED AIR TO THE APPROPRIATE AIR COMPRESSOR.
- ALL INTERCONNECTED WATER LINE (IWL) RUNS ARE FOR DESIGN INTENT ONLY AND DO NOT REPRESENT ACTUAL FIELD RUNS. REFER TO UTILITY LOAD SCHEDULE SHEETS FOR INFORMATION ON POINT OF CONNECTIVITY.
- VENTILATORS SHALL INCLUDE THERMOSTAT(S) INSTALLED IN THE CANOPY TO AUTOMATICALLY START THE EXHAUST FAN(S) WHEN COOKING OCCURS TO MEET IMC 2006 SECTION 507.2.1.1.

MECHANICAL ABBREVIATIONS AND SYMBOLS

GAS	G
BRITISH THERMAL UNIT (000'S)	MBTU
HOT WATER	HW
COLD WATER	CW
INTERCONNECTED WATER LINE	IWL
COOLING WATER	CTW
COOLING WATER RETURN	CTWR
WASTE	W
INDIRECT WASTE	IW
FLOOR DRAIN	FD
FUNNEL FLOOR DRAIN	FFD
FLOOR SINK	FS
STEAM SUPPLY	SS
CONDENSATE RETURN	CR
GREASE TRAP	GT
EXHAUST DUCT	
SUPPLY DUCT	
STATIC PRESSURE, WATER GAUGE	SPWG
ABOVE FINISHED FLOOR	AFF
DOWN FROM ABOVE	DFA
AIR GAP DRAIN	AG
COMPRESSED AIR	AIR
REFRIGERATION LINE	REF

FIRE EXTINGUISHING SYSTEM NOTES

- FA** WET CHEMICAL PIPING TO CONNECTION AT VENTILATOR BY KITCHEN EQUIPMENT TRADE
- FB** IF REQUIRED BY LOCAL MECHANICAL JURISDICTIONS, MECHANICAL TRADE TO PROVIDE BY-PASS AT GAS SOLENOID VALVE

MECHANICAL REFRIGERATION NOTES

- NOTE A:** REFRIGERATION LINES TO CONDENSING UNIT. HORIZONTAL RUNS OF SUCTION LINE PITCHED TOWARD COMPRESSOR - MIN. 1/2" (15mm) PER 10'-0" (3050mm)
- NOTE B:** LIQUID LINE SOLENOID VALVE
- NOTE C:** REFRIGERATION LINES TO EVAPORATOR UNIT
- NOTE D:** EVAPORATOR DRAIN LINE TO BE TYPE "M" COPPER, PITCHED 1/2" (15mm) PER FOOT AND CONTAIN A P-TRAP AS WELL AS AN AIR GAP BETWEEN DRAIN LINE AND DRAIN

NOTE:
 REFER TO SHEET QF105 &
 QF106 FOR MECHANICAL
 UTILITY LOAD SCHEDULE

NOTE: THIS DRAWING IS FOR INFORMATION ONLY.

GENERAL CONTRACTOR SHALL COORDINATE WITH THE KITCHEN EQUIPMENT SUB-CONTRACTOR AND RELATED MECHANICAL, ELECTRICAL AND PLUMBING SUB-CONTRACTORS TO ESTABLISH FINAL SPOT CONNECTIONS LOCATIONS AND CONFIGURATIONS AS REQUIRED. THIS DRAWING SHALL NOT BE USED TO LOCATE ANY UTILITY CONNECTIONS IN THE FIELD OR TO LOCATE ANY ROUGH-IN, PENETRATION, OR OTHER REQUIREMENTS.
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KEY PLAN:

SHEET STATUS: 9/21/15

ISSUE FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**FOODSERVICE
 MECHANICAL SPOT
 CONNECTION PLAN**

SHEET NUMBER:

QF102

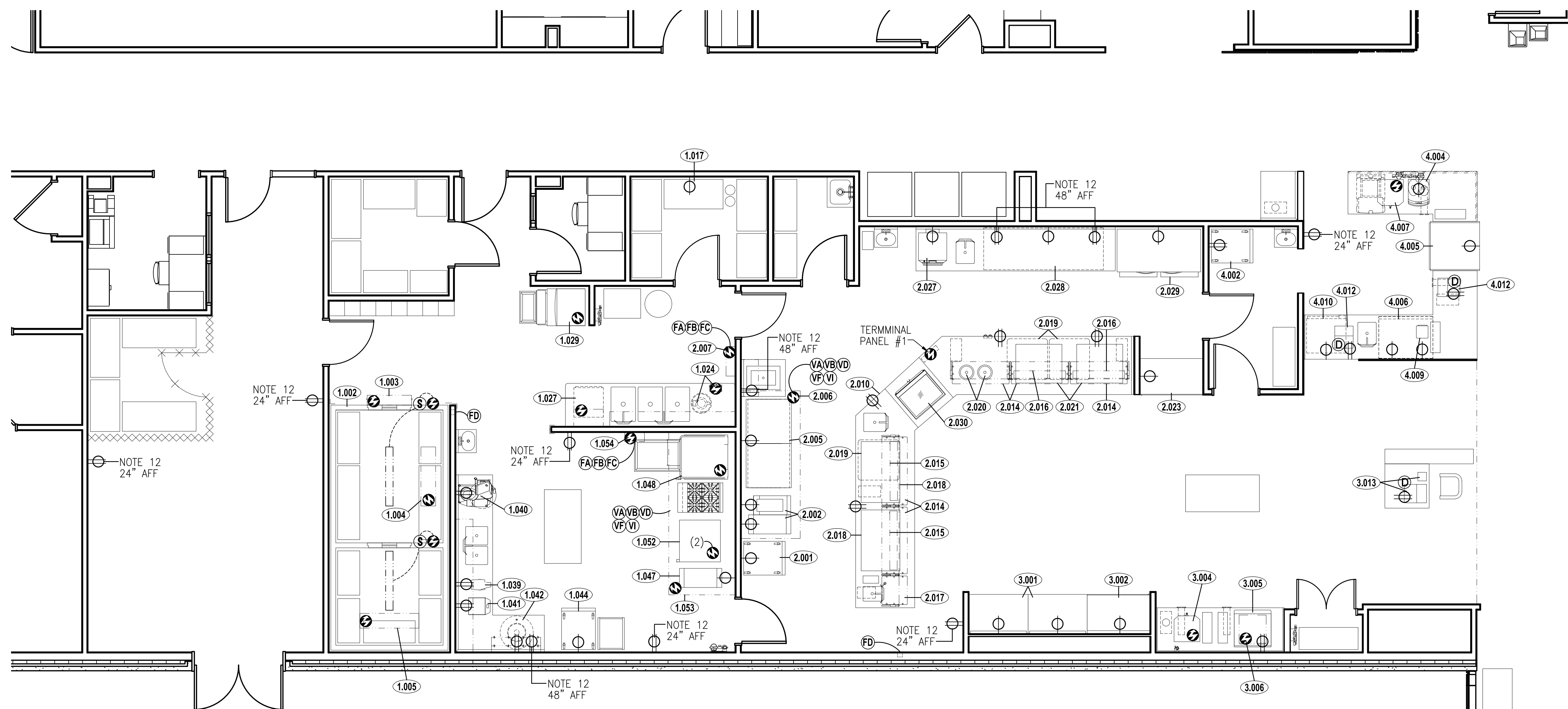


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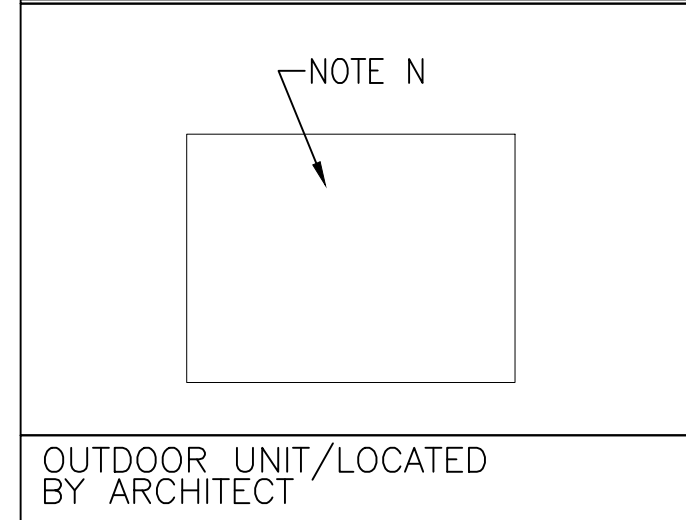
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 1125 135th ST. ROMEIOVILLE, IL 60446
 DKA PROJECT NO: 14-005



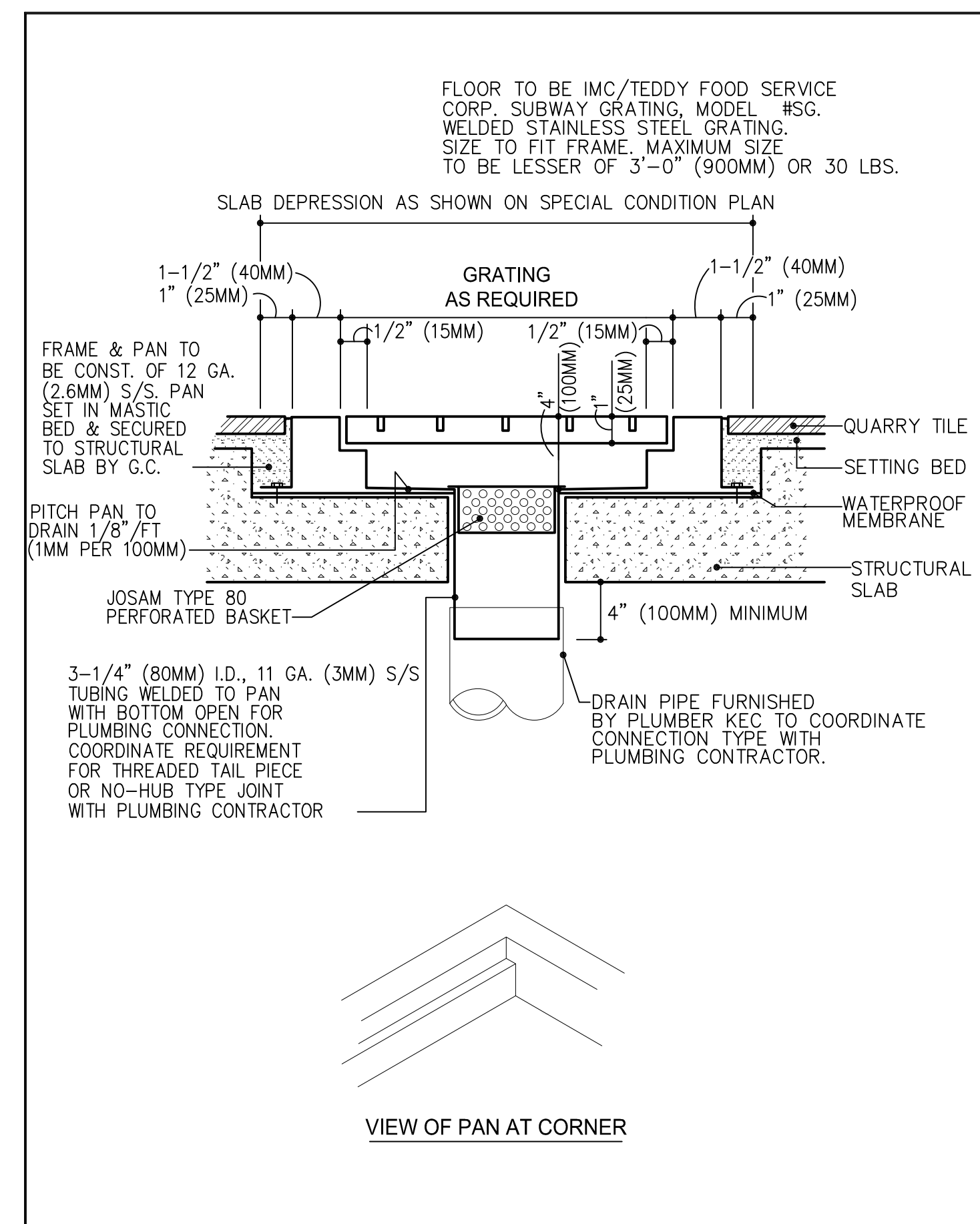
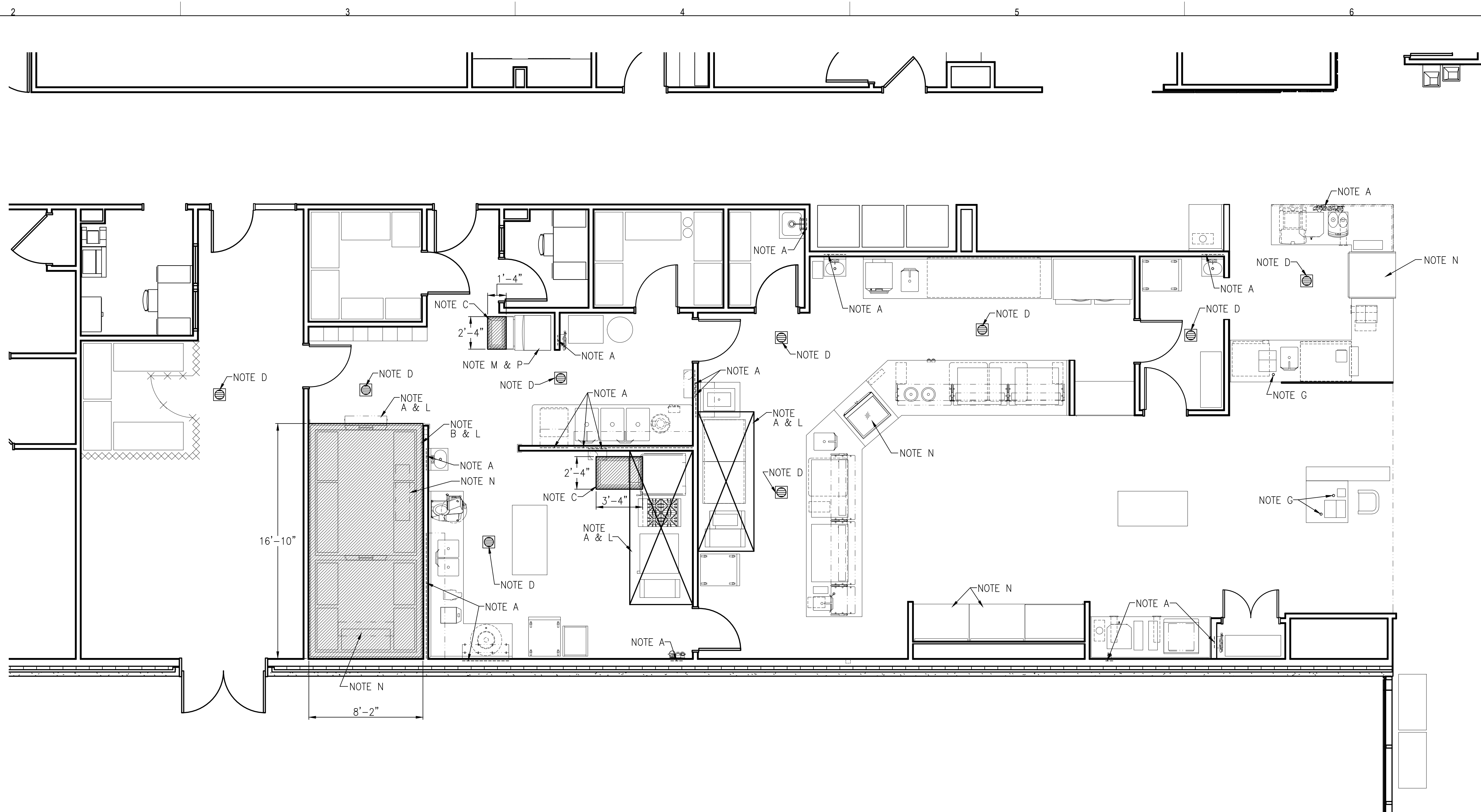
REMOTE REFRIGERATION RACK



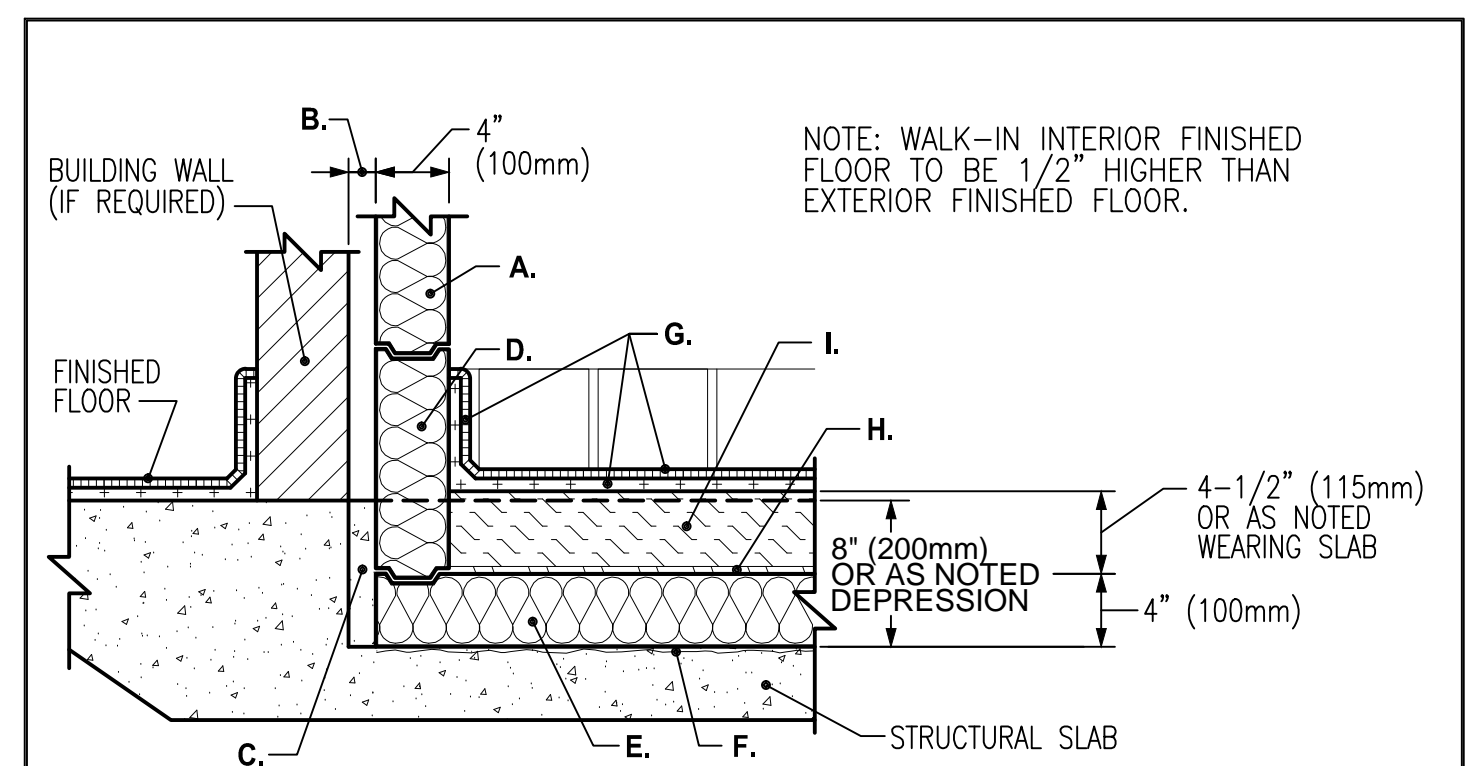
OUTDOOR UNIT/LOCATED BY ARCHITECT

SPECIAL CONDITIONS NOTES

- NOTE A:** CONTRACTOR SHALL ENSURE ALL WALLS AND/OR CEILINGS ARE PROPERLY REINFORCED TO SUPPORT ALL WALL AND/OR CEILING SUPPORTED EQUIPMENT AS PER DETAIL 7.07.
- NOTE B:** CONTRACTOR SHALL PROVIDE 8" (200mm) DEEP +/- DEPRESSION IN ROUGH SLAB TO RECEIVE WALK-IN BOX FLOOR. SEE DETAIL 7.01. DEPRESSION TO BE LEVEL AND SMOOTH.
- NOTE C:** CONTRACTOR SHALL PROVIDE 4" (100mm) DEEP +/- DEPRESSION IN ROUGH SLAB TO RECEIVE S/S FLOOR TROUGH AND GRATING. SEE DETAIL 6.03. DEPRESSION TO BE LEVEL AND SMOOTH.
- NOTE D:** CONTRACTOR SHALL PITCH FLOOR TO AREA FLOOR DRAINS PER ARCHITECTS DRAWINGS.
- NOTE E:** NOT USED.
- NOTE F:** CONTRACTOR SHALL PROVIDE 4" (100mm), 6" (150mm) OR 8" (200mm) DIA. CONDUIT (PVC, EMT OR OTHER MATERIAL REQUIRED BY CODE) TO RUN BEVERAGE LINES BY KEC OR BEVERAGE VENDOR. ALL BENDS TO BE EASY SWEEPS (24" (600mm) FOR 4" OR 6" DIA. OR 30" (750mm) FOR 8" DIA. RADIUS MIN.) CONTRACTOR TO RUN CONDUIT FROM BEVERAGE SYSTEM(S) TO POINT(S) SHOWN FOR BEVERAGE EQUIPMENT. RUN CONDUIT ON UNDERSIDE OF SLAB OR ABOVE FINISHED CEILING AS INDICATED AND PROVIDE SUPPORT AS REQUIRED. SEE DETAIL 6.25.
- NOTE G:** CONTRACTOR SHALL PROVIDE 1" (25mm) DIA. CONDUIT (PVC, EMT OR OTHER MATERIAL REQUIRED BY CODE) FOR RUN OF COMPUTER GRADE WIRING. ALL BENDS TO BE EASY SWEEPS (18" (450mm) RADIUS MIN.) CONTRACTOR TO RUN FROM POS EQUIPMENT TO POINT(S) SHOWN.
- NOTE H:** NOT USED.
- NOTE I:** CONTRACTOR SHALL PROVIDE REMOVABLE LOUVERED PANELS FOR VENTILATION OF EQUIPMENT.
- NOTE J:** NOT USED.
- NOTE K:** NOT USED.
- NOTE L:** CONTRACTOR SHALL VERIFY INSTALLATION HEIGHT OF FINISHED CEILING WITH FOODSERVICE EQUIPMENT BELOW AS SHOWN.
- NOTE M:** CONTRACTOR SHALL ENSURE STRUCTURAL FLOOR IS ADEQUATE TO SUPPORT HEAVY EQUIPMENT SUCH AS PIZZA OVEN, ICE MAKER AND REMOTE REF. SYSTEM.
- NOTE N:** REFRIGERATION LINES TO/FROM PACKAGE REFRIGERATION SYSTEM. KEC TO COORDINATE PENETRATIONS AND LINE RUNS WITH GENERAL CONTRACTOR.
- NOTE O:** KEC TO VERIFY ALL POUR PATHS BETWEEN EQUIPMENT AND FLOOR TROUGHS TO ENSURE FULL ACCEPTANCE OF PRODUCT FROM EQUIPMENT.
- NOTE P:** KEC TO COORDINATE ALL EQUIPMENT LEGS WITH FLOOR DRAIN AND FLOOR TROUGH LOCATIONS.

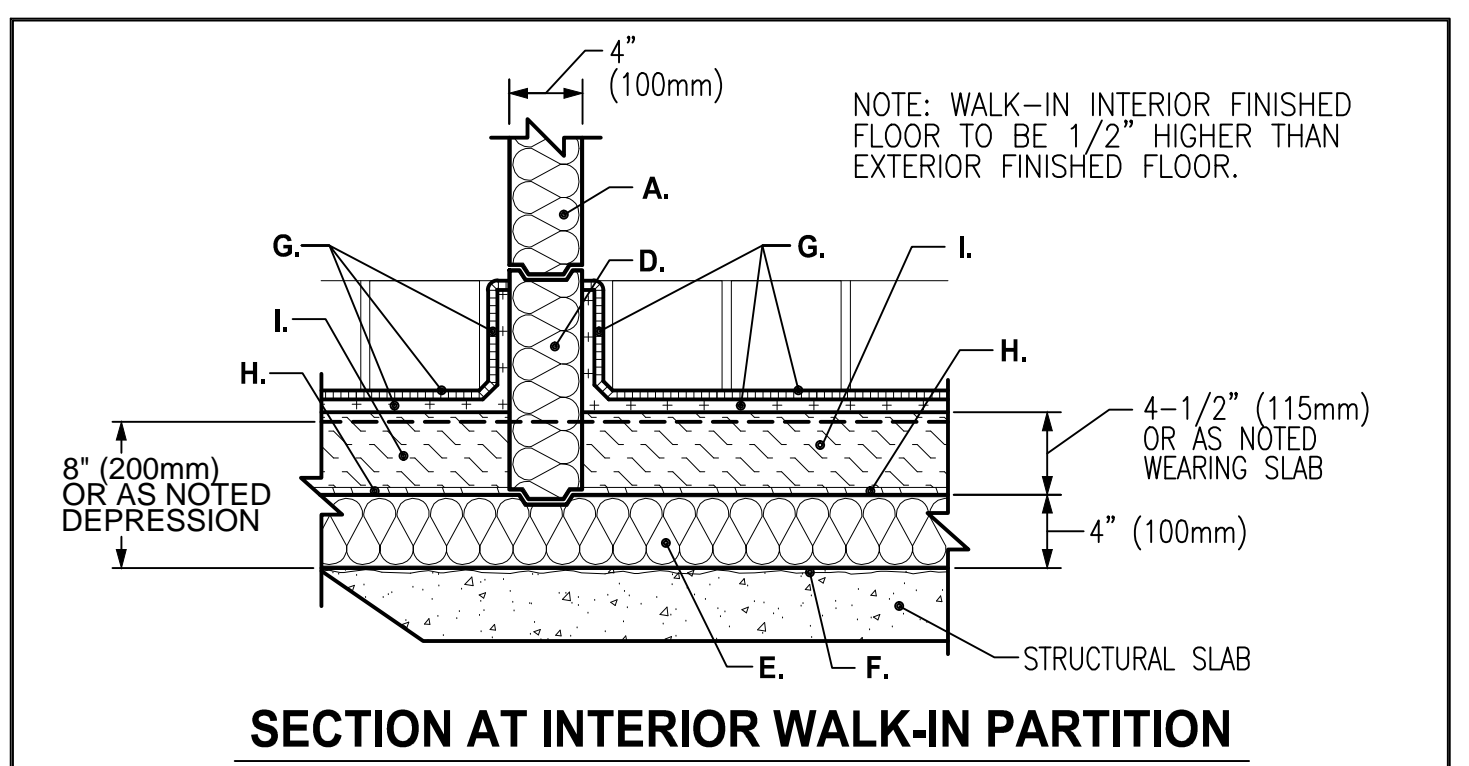


6.03 FLOOR GRATE AND PAN
NO SCALE
STANDARD DETAIL



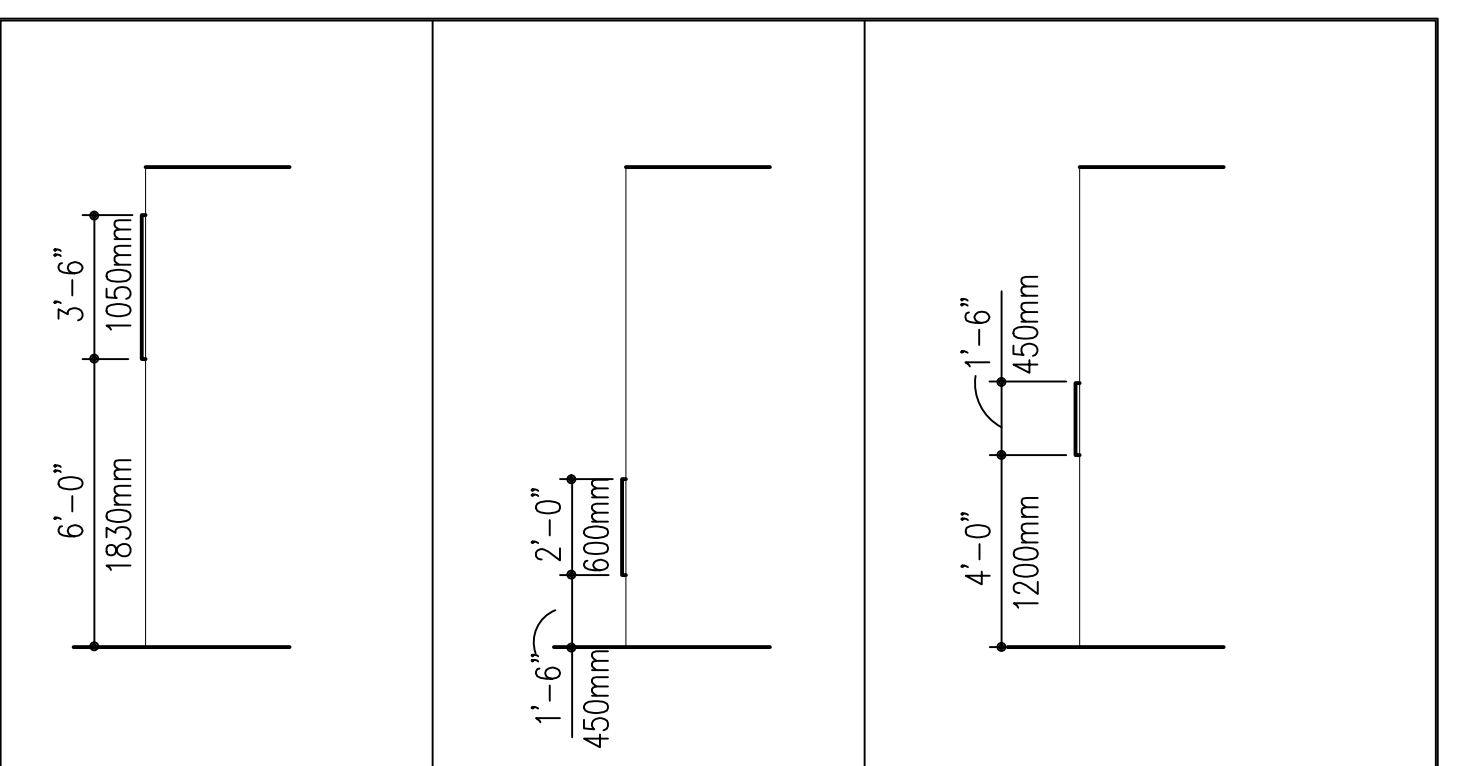
7.01 SECTION AT EXTERIOR WALK-IN PARTITION
NO SCALE
STANDARD DETAIL

7.01.1 BUILT-IN PRE-FABRICATED FLOOR USING WALK-IN PANELS
NO SCALE
CONTINUED ON 7.01.1
SEE ALSO 7.01.1
STANDARD DETAIL



7.01.1 SECTION AT INTERIOR WALK-IN PARTITION
NO SCALE
STANDARD DETAIL

7.01.1 BUILT-IN PRE-FABRICATED FLOOR USING WALK-IN PANELS
NO SCALE
SEE ALSO 7.01
STANDARD DETAIL



7.07 WALL BACKING DETAILS
NO SCALE
STANDARD DETAIL

7.07 WALL BACKING DETAILS
NO SCALE
STANDARD DETAIL



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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15
ISSUE FOR CONSTRUCTION

NO.	DESCRIPTION	DATE

SHEET TITLE:
FOODSERVICE SPECIAL CONDITIONS PLAN

SHEET NUMBER:

QF104

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 DKA PROJECT NO: 14-005

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUE FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**FOODSERVICE
 UTILITY LOAD
 SCHEDULE**

SHEET NUMBER:

QF106

UTILITY LOAD SCHEDULE				ELECTRICAL													PLUMBING										VENTILATION					MECHANICAL										
ITEM NO.	QTY	DESCRIPTION	SCHEDULE REMARKS	ELEC. CONN.	VOLT/PH	AFF	AMPS	KW	H.P.	ELEC. CONN.	VOLT/PH	AFF	AMPS	KW	H.P.	ELECTRICAL REMARKS	CW	CW AFF	HW	HW AFF	IW	IW TO	DW	DW AFF	GAS	GAS AFF	MBTU /HR	CTW	CTWR	GPM	MAX. PSI	EXHAUST	CFM	SPWG	SUPPLY	CFM	SPWG	MECHANICAL REMARKS				
2.011	1	Panel-Mounted Soap Dispenser																																								
2.012	1	Countertop Mounted Paper Towel Dispenser																																								
2.013	1	Garbage Can																																								
2.014	5	Sneeze Guard, Single Full-Service, Stationary	w/ Lights	EC*	120/1	34"	15																																			
2.015	2	Heat Lamp	Mounted on Food Shields	EC*	120/1	54"		1.1																																		
2.016	2	Heat Lamp	Mounted On Food Shields	EC*	120/1	54"		0.95																																		
2.017	1	Sneeze Guard, Single Full-Service, Stationary																																								
2.018	2	Heated Shelf Food Warmer		SR*	120/1	30"	11.9																																			
2.019	3	Heated Cabinet, Mobile		SR*	120/1	12"	13.8																																			
2.020	2	Drop-In Hot Well	Auto-Fill Model	SR*	208/1	34"		825									1/4"	30"			1"		To FS																			
2.021	2	Heated Shelf Food Warmer		SR*	120/1	34"	9.3																																			
2.022	3	Garbage Can																																								
2.023	1	Refrigerated Merchandiser		SR*	120/1	96"	9.6																																			
2.024	1	Hand Sink															1/2"	38"	1/2"	38"			1-1/2"	24"																		
2.025	1	Garbage Can																																								
2.026	1	Back Counter with Sink															1/2"	36"	1/2"	36"	1-1/2"	36"																				
2.027	1	Microwave Convection Oven		SR*	120/1	48"	30																																			
2.028	1	Reach-in Undercounter Refrigerator		SR*	120/1	24"	13.7																																			
2.029	1	Roll-in Refrigerator		SR*	120/1	96"	11.8																																			
2.030	1	Drop-In Refrigerated Merchandiser	Remote Refrigeration	SR*	120/1	20"	6																																			
2.031	1	Open Number																																								
2.032	1	Open Number																																								
3.001	2	Open Merchandiser	Remote Refrigeration	SR*	120/1	48"	2																																			
3.002	1	Refrigerated Merchandiser		SR*	120/1	48"	9.6																																			
3.003	1	Beverage Counter																																								
3.004	1	Coffee Maker	NIKEC - By Vendor/Supplier	EC	120/208/1	48"	30										3/8"	48"			1/2"		To FS																		*Interconnected filtered water supply via item #3.004A	
3.004A	1	Water Filter Assembly	Provides interconnected filtered water supply to item # 3.004														1/4"	30"																								
3.005	1	Soda Fountain	NIKEC - By Vendor/Supplier	DR*	120/1	48"	15										1/2"	48"																							*KEC to verify utility information	
3.006	1	Nugget Ice Maker	NIKEC - By Supplier/Vendor, Air Cooled	EC	120/1	70"	15										3/8"	70"			1/2"		To FS																	*Interconnected filtered water supply via item #3.006A KEC to verify utility requirements		
3.006A	1	Water Filter Assembly	Provides interconnected filtered water supply to item #3.006														3/4"	96"																								
3.007	6	Disposable Cup Dispenser																																								
3.008	2	Lid Dispenser																																								
3.009	1	Garbage Can																																								
3.010	1	Wire Shelving Unit																																								
3.011	2	Mobile Condiment Counters	NIKEC - By Millwork Trades																																							
3.012	1	Cashier's Counter																																								
3.013	1	POS Unit & Scale	NIKEC - By Owner	DR	120/1	36"	20			DATA																																
3.014	1	Snack Display	NIKEC - By Millwork Trades																																							
4.001	1	Plastic Shelving Unit																																								
4.002	1	Reach-in Refrigerator		DR*	120/1	96"	4.8																																			
4.003	1	Cafe Front Counter															1/2"	34"	1/2"	34"	1-1/2"		To FS																			
4.004	1	Espresso Cappuccino Machine		SR*	208/1	34"	30										3/8"	48"					1-1/2"		To FS																*Interconnected filtered water supply from item #4.008	
4.005	1	Service/Self-Service Combo Merchandiser	Remote Refrigeration	SR	120/1	30"	2																																			
4.006	1	Reach-in Undercounter Refrigerator		SR*	120/1	24"	6.3																																			
4.007	1	Coffee Maker	NIKEC - By Vendor/Supplier	EC	120/208/1	48"	30										3/8"	48"			1/2"		To FS																		*Interconnected filtered water supply via item #4.008	
4.008	1	Water Filter Assembly	Provides interconnected filtered water supply to items #4.004 & 4.007														3/4"	30"																								
4.009	1	Bar Blender		SR	120/1	48"	11.5																																			
4.010	1	Reach-in Undercounter Freezer		SR*	120/1	24"	8																																			
4.011	1	Hand Sink															1/2"	38"	1/2"	38"			1-1/2"	24"																		
4.012	2	POS Unit	NIKEC - By Owner	DR	120/1	48"	20			DATA																																
4.013	1	Garbage Can																																								
4.014	6	Disposable Cup Dispenser																																								
4.015	2	Lid Dispenser																																								
4.016	1	Mobile Ice Bin																																								
4.017	1	Condiment Counter	NIKEC - By Millwork Trades																																							

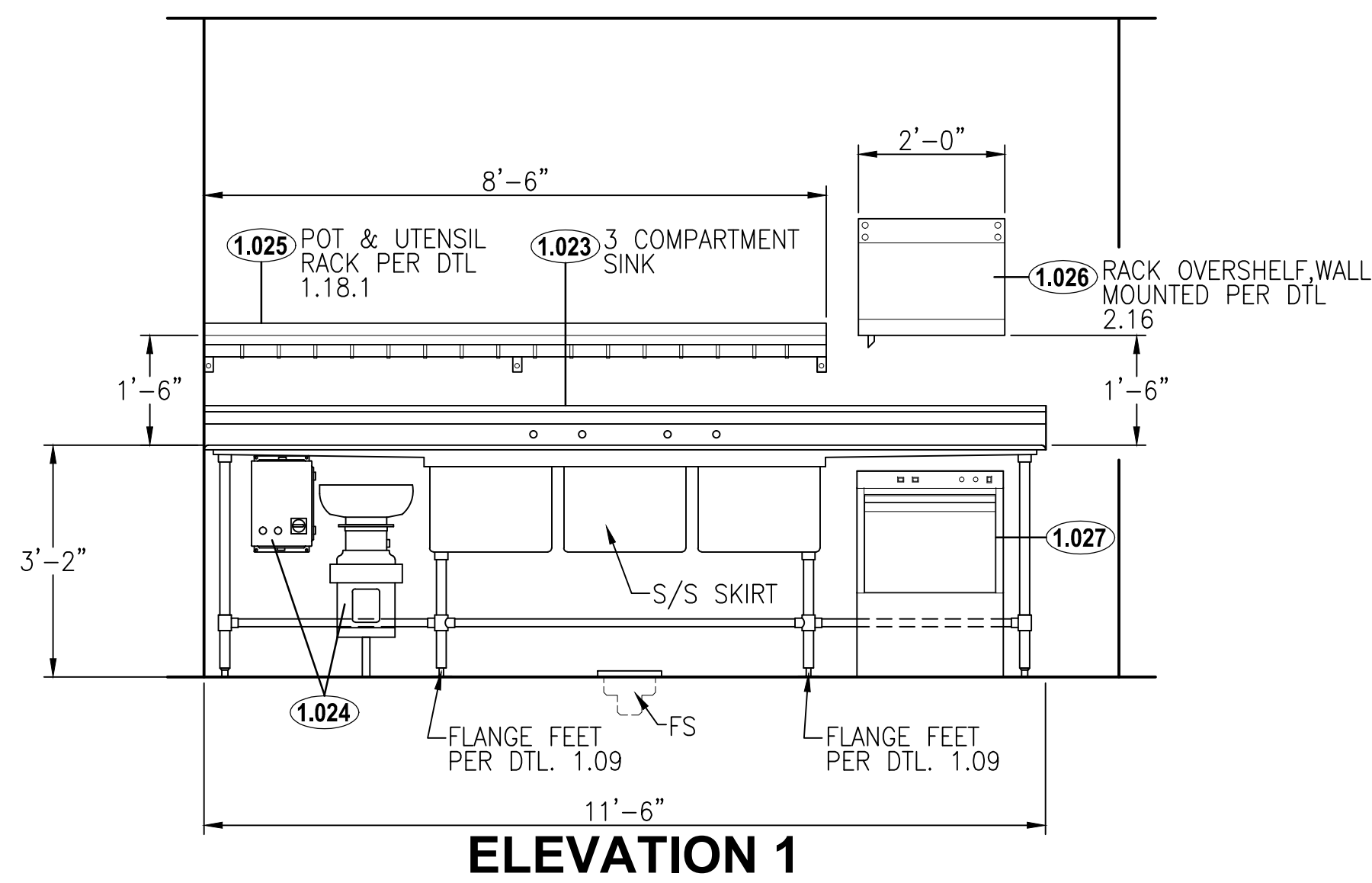


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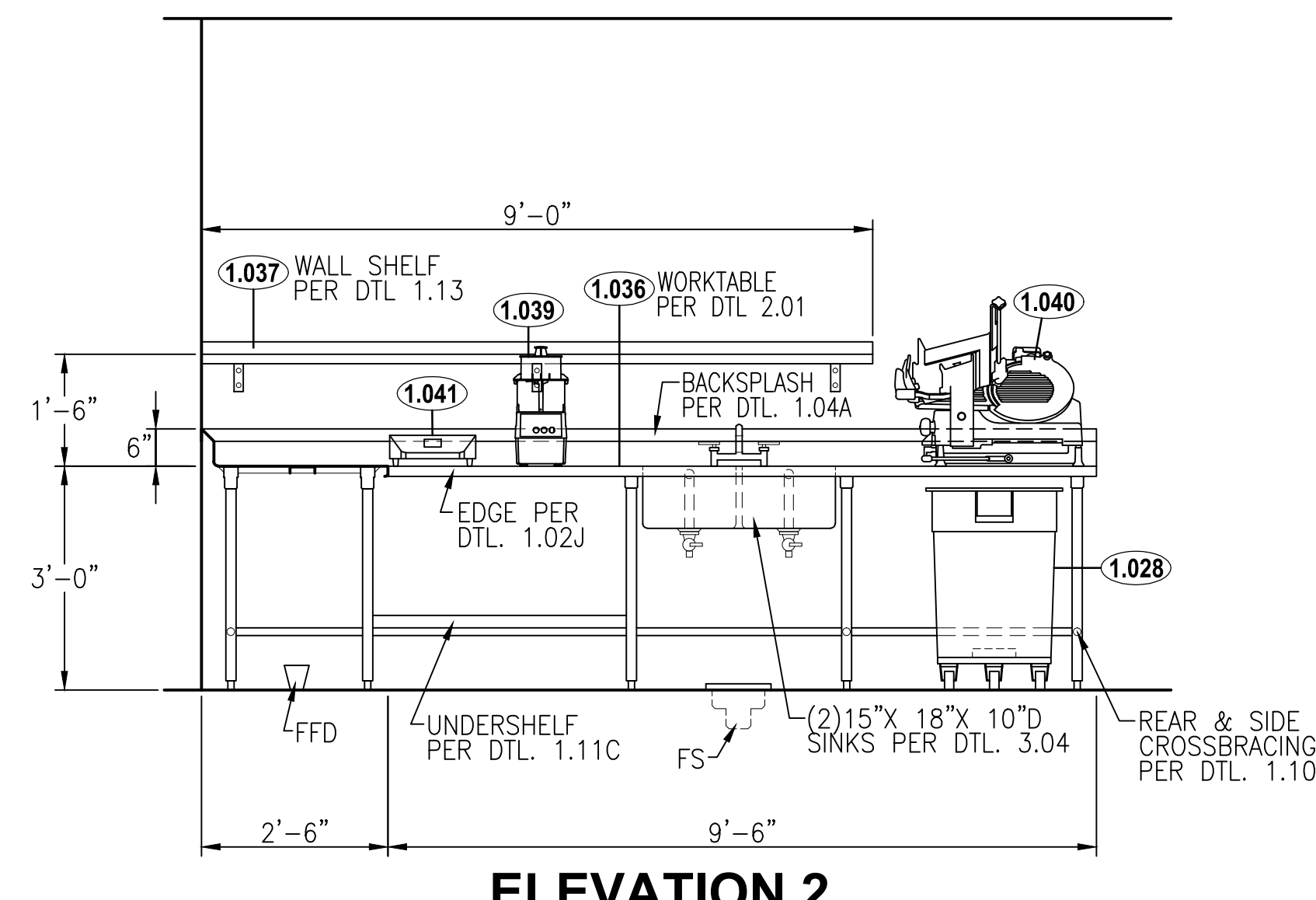
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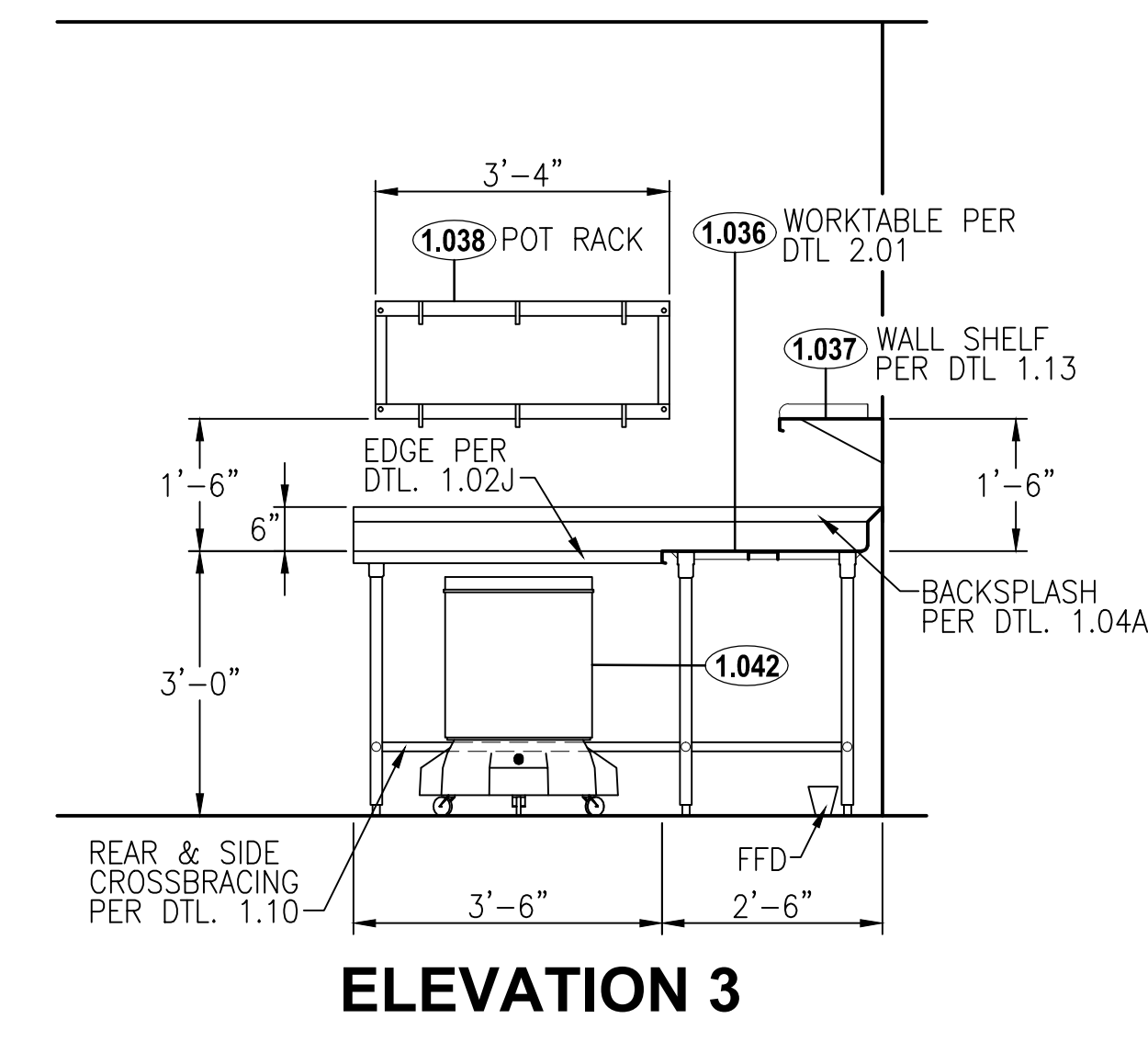
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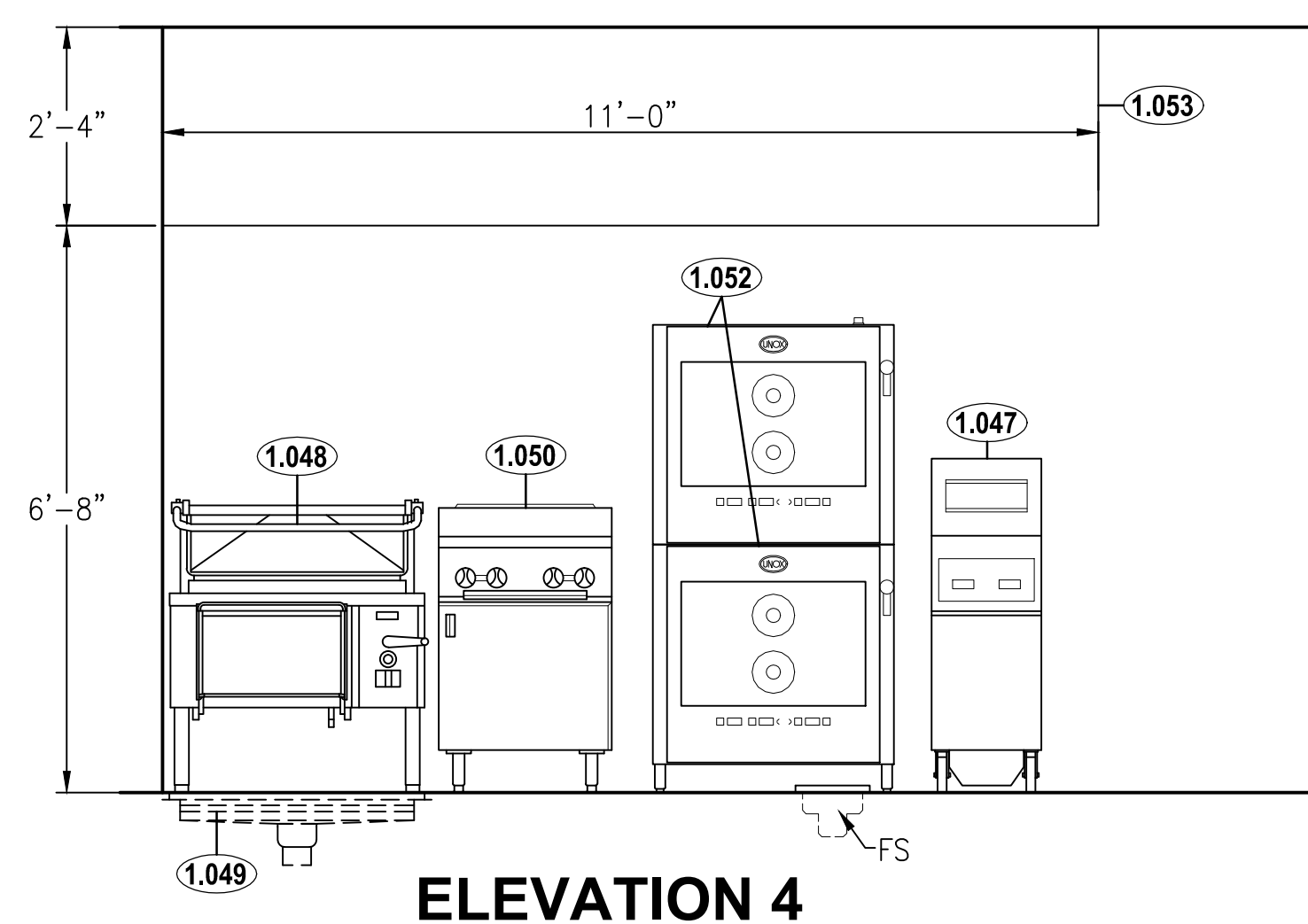
ELEVATION 1



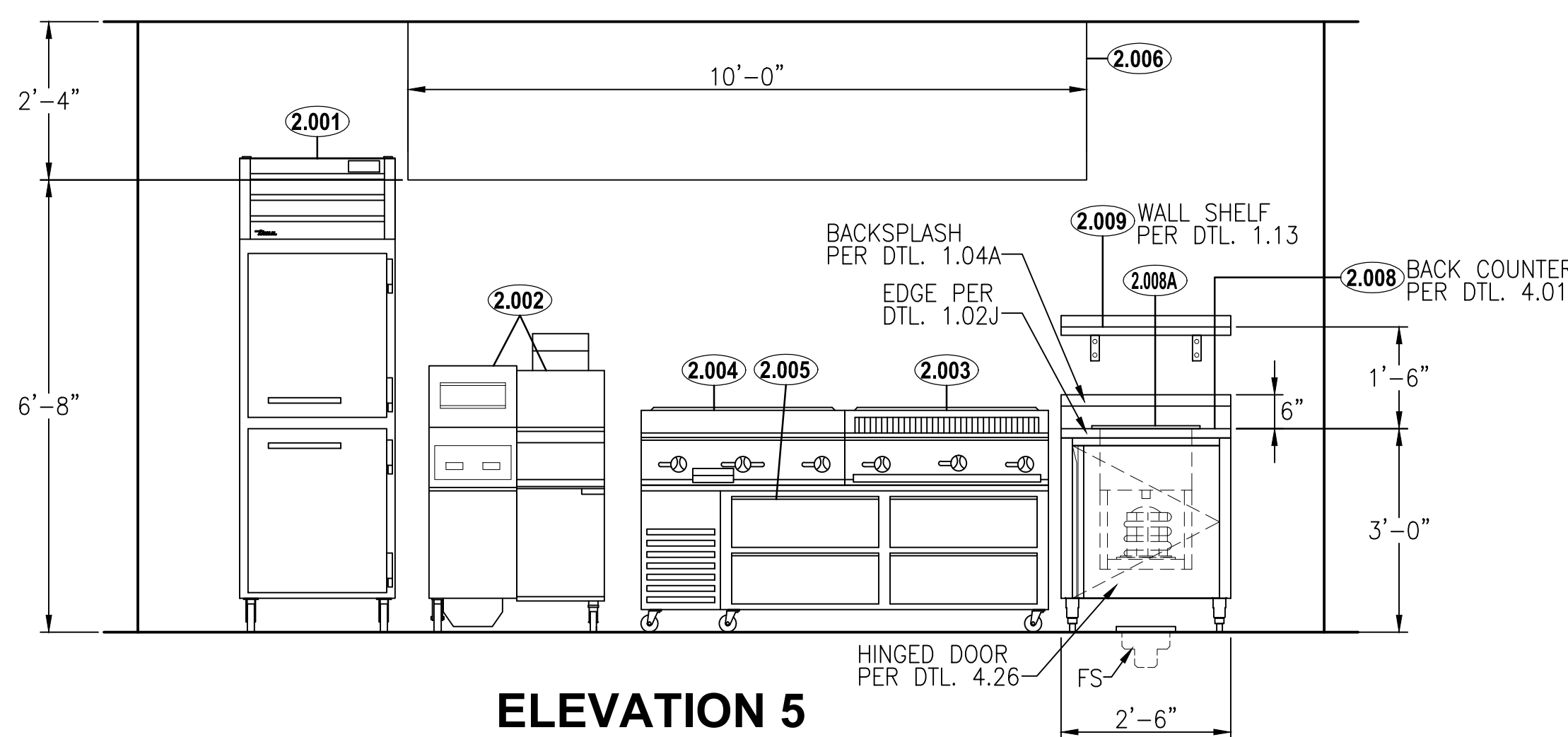
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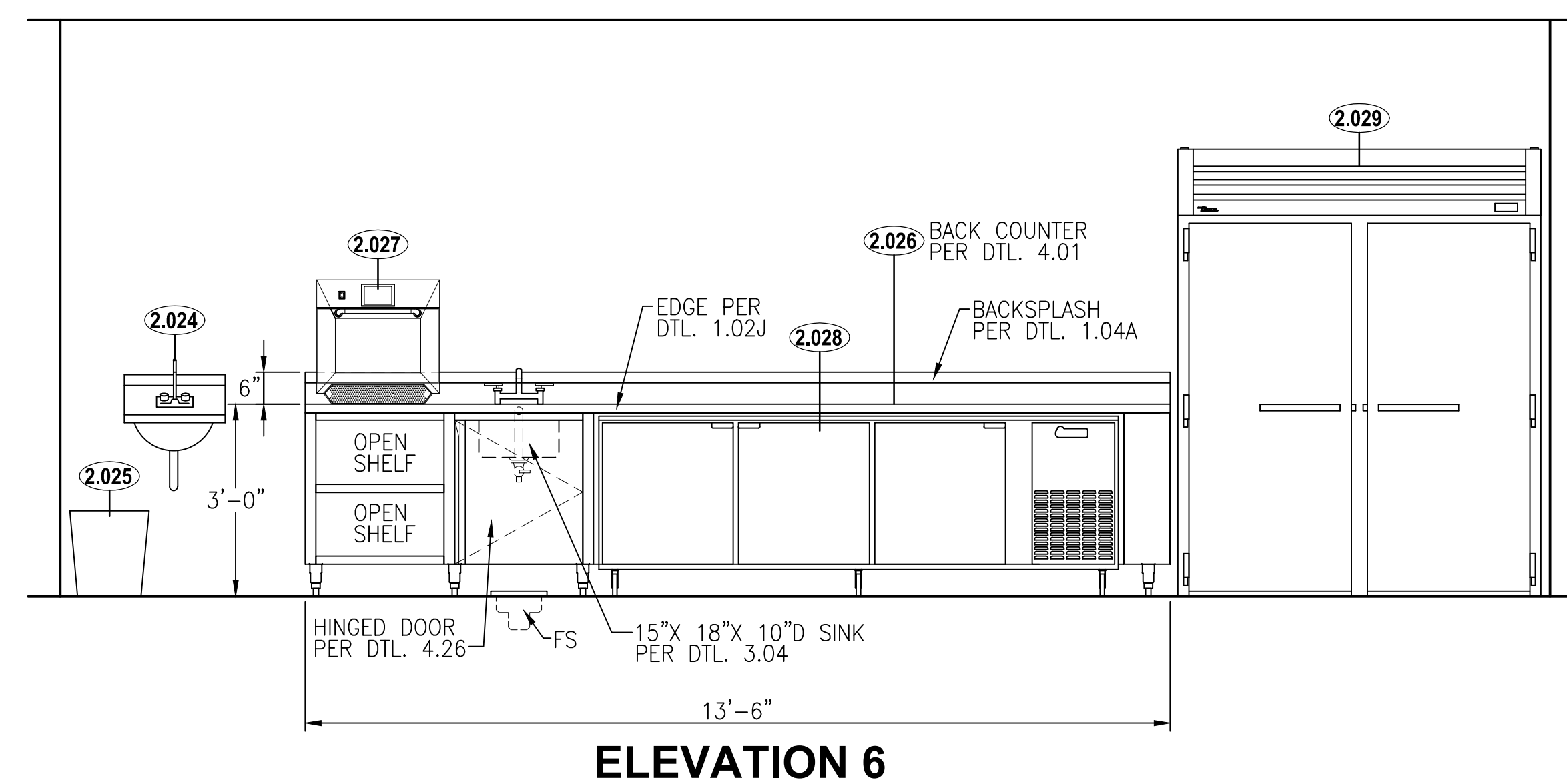
ELEVATION 3



ELEVATION 4



ELEVATION 5



ELEVATION 6

KEY PLAN:

SHEET STATUS: 9/21/15

ISSUE FOR CONSTRUCTION

NO.	DESCRIPTION:	DATE:

SHEET TITLE:

**FOODSERVICE
 EQUIPMENT
 ELEVATIONS**

SHEET NUMBER:

QF107