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Library Expansion Project

100% CONSTRUCTION DOCUMENTS

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City of Unalaska Project : DPW 15105

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ECI

Project No. 18-0016

GENERAL NOTES

1. SEE ELECTRICAL PLANS FOR ALL ELECTRICAL SITE WORK AND DETAILS.
2. MATCH EXISTING GRADES AT PROJECT LIMITS AND WHERE REQUIRED TO MATCH AT EXISTING PARKING LOT.
3. ALL REMOVED MATERIALS THAT ARE NOT SUITABLE FOR REUSE ON THE PROJECT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE PROPERLY DISPOSED OF IN A LEGAL MANNER.
4. THE LOCATIONS OF EXISTING FEATURES AND UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE. ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN. THE CONTRACTOR SHALL VERIFY ALL UTILITY LOCATIONS IN THE FIELD AS NECESSARY, PRIOR TO BEGINNING WORK. THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES ENCOUNTERED IN THE FIELD SHALL BE RECORDED ON THE CONTRACTOR'S RECORD DRAWINGS. CONTACT LOCAL UTILITY COMPANIES AND OBTAIN UTILITY LOCATES PRIOR TO ANY/ ALL EXCAVATIONS.
5. ADJACENT AREAS DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION OR BETTER AT NO ADDITIONAL COST TO THE OWNER.
6. GRADING AND ALIGNMENT OF PIPE, STRUCTURES & FINAL SURFACING ARE SUBJECT TO MINOR REVISIONS BY THE ENGINEER TO FIT SITE CONDITIONS. GRADE ALL IMPROVEMENTS WITH POSITIVE DRAINAGE AWAY FROM BUILDING STRUCTURES.
7. SEE TYPICAL SECTIONS FOR APPROXIMATE LIMITS OF EXCAVATION. EXCAVATION SHALL BE CARRIED DOWN TO SUITABLE SUBGRADE MATERIAL AS VERIFIED BY THE OWNER'S ONSITE REPRESENTATIVE.
8. ALL CURB AND GUTTER, SIDEWALK, AND PAVEMENT CUTS SHALL BE SAW-CUT AT REMOVAL LIMITS.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION AND SEDIMENT CONTROLS AS NECESSARY TO COMPLY WITH FEDERAL, STATE, AND MUNICIPAL LAWS THAT PROHIBIT UNPERMITTED DISCHARGE OF POLLUTANTS, INCLUDING SEDIMENTS, THAT ARE A RESULT OF EROSION AND OTHER CONSTRUCTION ACTIVITIES. EROSION AND SEDIMENT CONTROL BMPs SHALL BE IN PLACE PRIOR TO BEGINNING EARTHWORK. THE CONTRACTOR SHALL CONDUCT ALL WORK SO SEDIMENT IS NOT TRANSPORTED ONTO THE ROADWAY OR ADJACENT PROPERTY. THE CONTRACTOR SHALL SWEEP UP SEDIMENT TRACKED ONTO PAVED SURFACES IN PUBLIC RIGHTS-OF-WAY WITHIN 24 HOURS OF THE TRACKING TO MINIMIZE THE WASH-OFF OF SEDIMENT INTO THE STORM DRAINS OR WATERWAYS.

ABBREVIATIONS

ACI	AMERICAN CONCRETE INSTITUTE
AC	ASPHALT CONCRETE PAVEMENT
ADA	AMERICANS WITH DISABILITIES ACT
ALT	ALTERNATE
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AVAP	AS VERTICAL AS POSSIBLE
BMP	BEST MANAGEMENT PRACTICES
BO	BOTTOM OF
BOT	BOTTOM
CLR	CLEAR, CLEARANCE
CPEP	CORRUGATED POLYETHYLENE PIPE
CY	CUBIC YARD
E	EAST
(E)	EXISTING
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATION
E.W.	EACH WAY
FDN	FOUNDATION
FF	FINISH FLOOR
FT	FOOT, FEET
FTG	FOOTING
GA	GAGE OR GAUGE
GALV	GALVANIZED
HDG	HOT DIP GALVANIZED
HORIZ	HORIZONTAL
IN	INCHES
INV	INVERT
LPG	LIQUEFIED PETROLEUM GAS
LS	LANDSCAPE
MAX	MAXIMUM
MECH	MECHANICAL
MIN	MINIMUM
MOA	MUNICIPALITY OF ANCHORAGE
MPH	MILES PER HOUR
(N)	NEW
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
PL	PLATE
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
R	RADIUS
REINF	REINFORCE, REINFORCING
S	SOUTH
SQ	SQUARE
STD	STANDARD
t	THICK, THICKNESS
TOC	TOP OF CONCRETE
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
W	WEST
w/	WITH
XS	EXTRA STRONG, X-STRONG

LEGEND

EXISTING

- FOUND MONUMENT
- FOUND 1" IRON PIN
- FOUND 2" ALCAP
- FOUND 5/8" REBAR
- SET MAG-NAIL W/SHINER
- SET SPIKE W/YPC
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEAN OUT
- STORM DRAIN CATCH BASIN
- ELECTRIC TRANSFORMER
- ELECTRIC METER
- LIGHT POLE
- ELECTRIC HAND HOLE
- WATER VALVE
- FIRE HYDRANT
- PHONE PEDESTAL
- FIRE HOSE CONNECT
- BOLLARD
- BOOK DROP
- SIGN
- 3' TO 5' TREE
- FUEL TANK
- FUEL VAULT
- W — WATER LINE
- SD — STORM DRAIN
- S — SEWER LINE
- UGE — UG ELECTRIC
- UTC — UG TELEPHONE & CABLE
- PROPERTY LINE
- GUARDRAIL
- FENCE LINE
- 10 — CONTOUR LINE
- SWALE
- CONCRETE AREA
- PAVED AREA

NEW

- STORM DRAIN CATCH BASIN
- LIGHT POLE
- BOLLARD
- SIGN
- (#) SIGN #
- SD — STORM DRAIN
- UGE — UG ELECTRIC
- UTC — UG TELEPHONE & CABLE
- 10 — CONTOUR LINE
- CONCRETE AREA
- GRAVEL SURFACING
- LANDSCAPE AREA
- ASPHALT REMOVAL AREA

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PND ENGINEERS, INC.

ECI ARCHITECTURE DESIGN STRATEGY
3909 ARCTIC BOULEVARD, SUITE 103
ANCHORAGE, ALASKA 99503 907.561.5543

PROJECT NO.18-00016.00

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49 TH
Paul Kendall
CE-11665
4/6/2020
REGISTERED PROFESSIONAL ENGINEER

LEGEND & ABBREVIATIONS

AUTHOR: NKH CHECKED: PK
REVISION:
ISSUE DATE: 4/6/2020 Reprint 10.01.2021
OWNER PROJECT NO: 15105

C1.1

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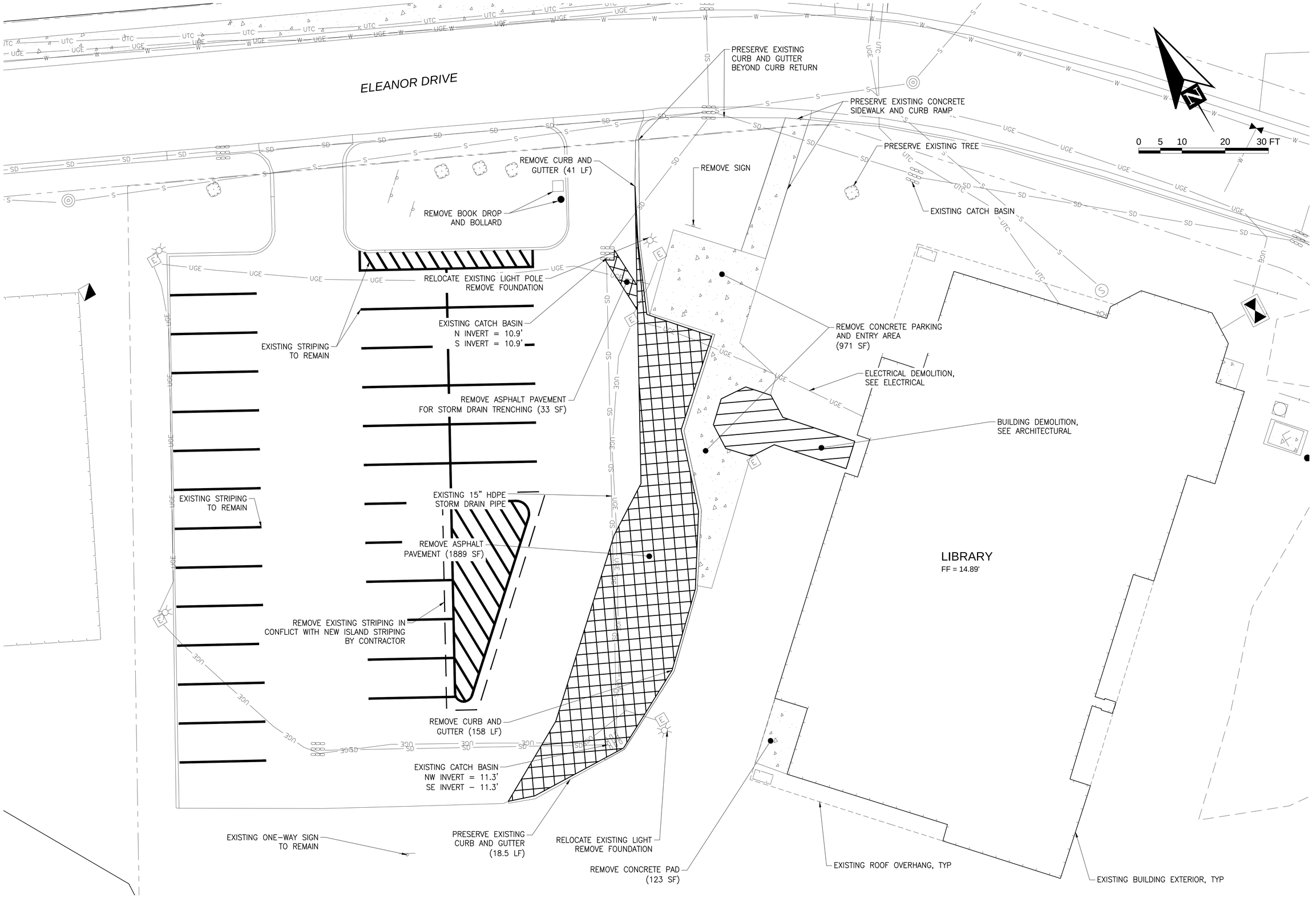

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10/19/2020
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EXISTING CONDITIONS & DEMOLITION PLAN

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C2.1

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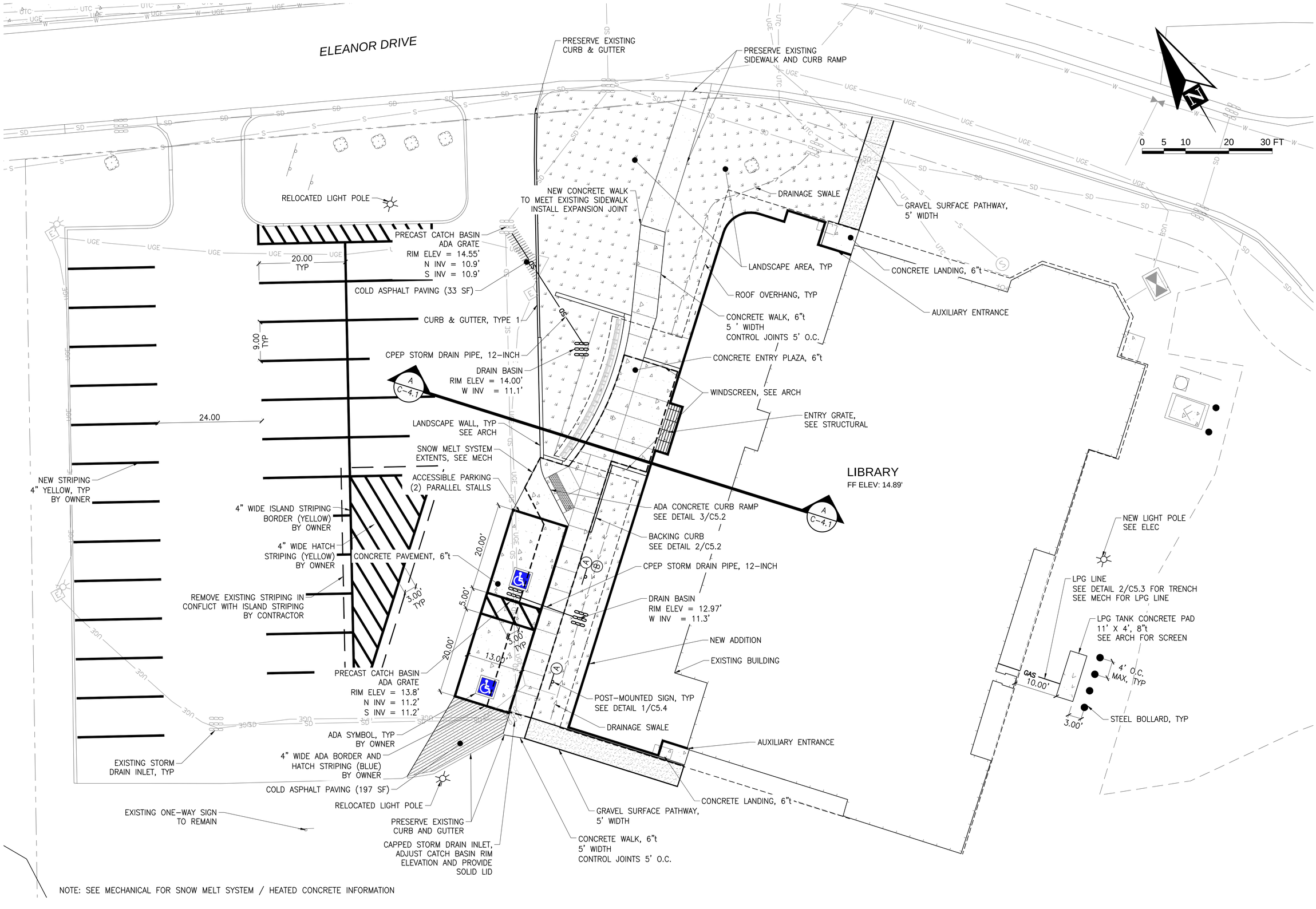

NOTE: SEE MECHANICAL FOR SNOW MELT SYSTEM / HEATED CONCRETE INFORMATION

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SITE PLAN

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C3.1

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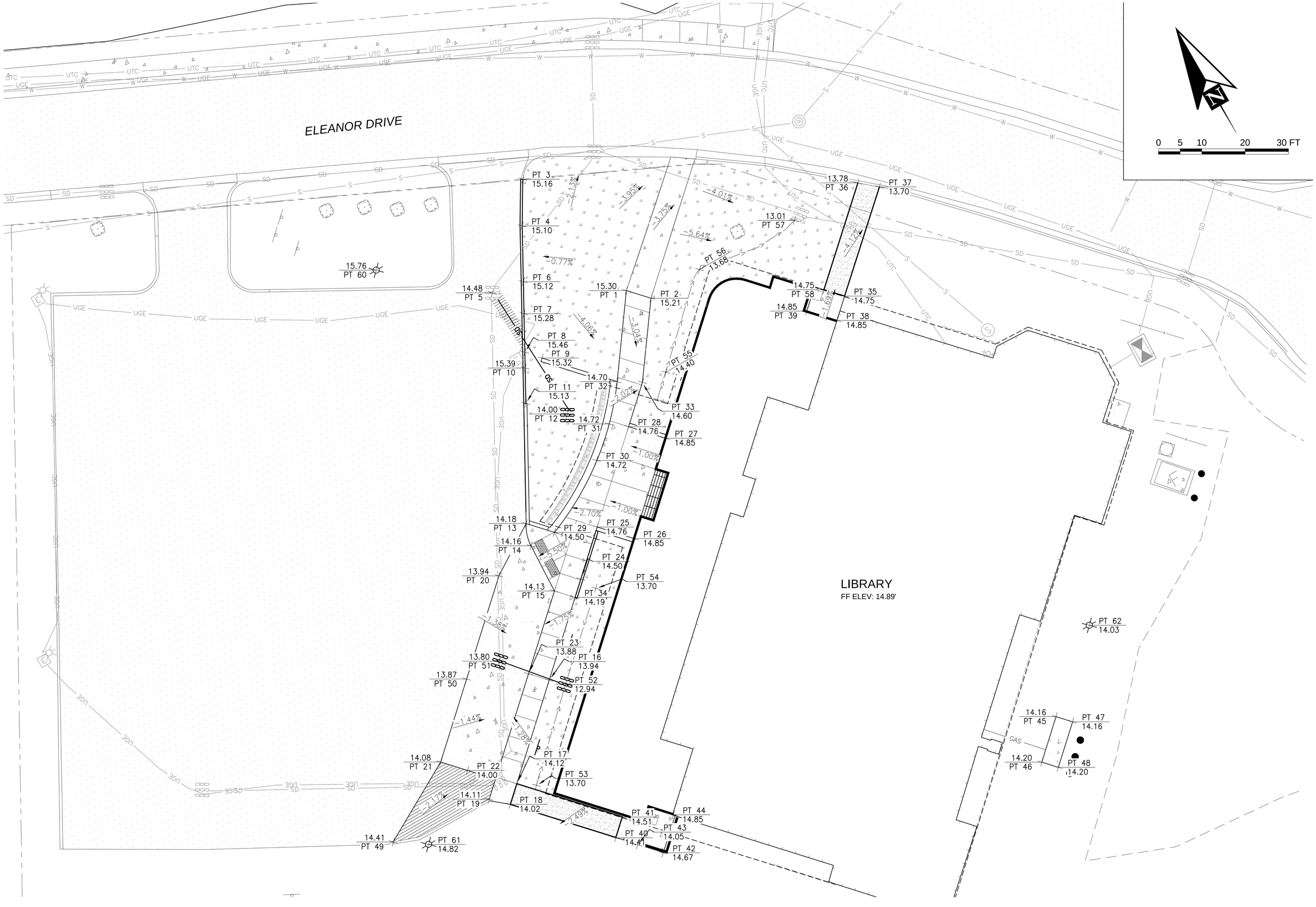

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1/6/2020
REGISTERED PROFESSIONAL ENGINEER

SITE LAYOUT & GRADING PLAN

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REVISION:
ISSUE DATE: 4/6/2020 Reprint 10.01.2021
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C3.2

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COORDINATE LAYOUT TABLE				
POINT NO	NORTHING	EASTING	ELEVATION	NOTES
PT 1	1,182,584.05	5,318,232.25	15.30'	TOP OF CONCRETE
PT 2	1,182,579.67	5,318,236.27	15.21'	TOP OF CONCRETE
PT 3	1,182,618.23	5,318,224.37	15.16'	TOP BACK OF CURB
PT 4	1,182,608.98	5,318,218.88	15.10'	TOP BACK OF CURB
PT 5	1,182,599.04	5,318,205.21	14.48'	RIM ELEVATION
PT 6	1,182,597.70	5,318,212.68	15.12'	TOP BACK OF CURB
PT 7	1,182,591.24	5,318,209.12	15.28'	TOP BACK OF CURB
PT 8	1,182,583.45	5,318,204.83	15.46'	TOP BACK OF CURB
PT 9	1,182,580.28	5,318,207.59	15.32'	TOP OF GROUND
PT 10	1,182,580.26	5,318,203.08	15.39'	TOP BACK OF CURB
PT 11	1,182,573.09	5,318,199.13	15.13'	TOP BACK OF CURB
PT 12	1,182,566.20	5,318,206.21	14.00'	RIM ELEVATION
PT 13	1,182,549.08	5,318,185.35	14.18'	TOP OF CONCRETE
PT 14	1,182,544.07	5,318,183.76	14.16'	TOP OF CONCRETE
PT 15	1,182,532.35	5,318,183.22	14.13'	TOP OF CONCRETE
PT 16	1,182,515.16	5,318,171.92	13.94'	TOP OF CONCRETE
PT 17	1,182,498.20	5,318,153.48	14.12'	TOP OF CONCRETE
PT 18	1,182,494.82	5,318,149.80	14.02'	TOP OF CONCRETE
PT 19	1,182,498.28	5,318,146.19	14.11'	TOP OF CONCRETE
PT 20	1,182,541.77	5,318,173.89	13.94'	TOP OF CONCRETE
PT 21	1,182,511.31	5,318,140.76	14.08'	TOP OF CONCRETE
PT 22	1,182,506.52	5,318,145.17	14.00'	TOP OF CONCRETE
PT 23	1,182,518.81	5,318,168.50	13.88'	TOP OF CONCRETE
PT 24	1,182,531.67	5,318,189.87	14.50'	TOP OF CONCRETE
PT 25	1,182,540.19	5,318,199.13	14.76'	TOP OF CONCRETE
PT 26	1,182,533.62	5,318,205.17	14.85'	TOP OF CONCRETE
PT 27	1,182,550.05	5,318,223.00	14.85'	TOP OF CONCRETE
PT 28	1,182,556.60	5,318,216.98	14.76'	TOP OF CONCRETE
PT 29	1,182,544.05	5,318,189.97	14.50'	TOP OF CONCRETE
PT 30	1,182,553.54	5,318,206.71	14.72'	TOP OF CONCRETE
PT 31	1,182,559.41	5,318,213.40	14.72'	TOP OF CONCRETE
PT 32	1,182,566.91	5,318,219.89	14.70'	TOP OF CONCRETE
PT 33	1,182,563.86	5,318,224.87	14.60'	TOP OF CONCRETE
PT 34	1,182,528.67	5,318,186.60	14.19'	TOP OF CONCRETE
PT 35	1,182,557.77	5,318,275.20	14.75'	TOP OF CONCRETE
PT 36	1,182,578.84	5,318,290.89	13.78'	TOP OF CONCRETE
PT 37	1,182,575.56	5,318,294.72	13.70'	TOP OF CONCRETE
PT 38	1,182,553.78	5,318,270.83	14.85'	TOP OF CONCRETE
PT 39	1,182,559.13	5,318,265.91	14.85'	TOP OF CONCRETE
PT 40	1,182,475.97	5,318,167.00	14.41'	TOP OF CONCRETE

COORDINATE LAYOUT TABLE				
POINT NO	NORTHING	EASTING	ELEVATION	NOTES
PT 41	1,182,479.35	5,318,170.68	14.51'	TOP OF CONCRETE
PT 42	1,182,467.49	5,318,174.75	14.67'	TOP OF CONCRETE
PT 43	1,182,472.04	5,318,170.56	14.05'	TOP OF CONCRETE
PT 44	1,182,473.93	5,318,181.16	14.85'	TOP OF CONCRETE
PT 45	1,182,449.39	5,318,268.92	14.16'	TOP OF CONCRETE
PT 46	1,182,441.94	5,318,260.83	14.20'	TOP OF CONCRETE
PT 47	1,182,446.45	5,318,271.63	14.16'	TOP OF CONCRETE
PT 48	1,182,439.00	5,318,263.54	14.20'	TOP OF CONCRETE
PT 49	1,182,500.79	5,318,122.10	14.41'	TOP ON CONCRETE
PT 50	1,182,524.87	5,318,155.52	13.87'	TOP OF CONCRETE
PT 51	1,182,524.67	5,318,164.13	13.80'	RIM ELEVATION
PT 52	1,182,512.40	5,318,174.63	12.94'	RIM ELEVATION
PT 53	1,182,495.61	5,318,157.22	13.70'	SWALE INVERT
PT 54	1,182,528.11	5,318,191.80	13.70'	SWALE INVERT
PT 55	1,182,563.16	5,318,230.70	14.40'	SWALE INVERT
PT 56	1,182,579.81	5,318,249.26	13.68'	SWALE INVERT
PT 57	1,182,578.66	5,318,273.89	13.01'	SWALE INVERT
PT 58	1,182,561.42	5,318,271.81	14.75'	TOP OF CONCRETE
PT 60	1,182,616.96	5,318,184.60	15.76'	LIGHT POLE FOUNDATION
PT 61	1,182,496.23	5,318,128.85	14.82'	LIGHT POLE FOUNDATION
PT 62	1,182,463.79	5,318,286.12	14.03'	LIGHT POLE FOUNDATION

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SITE LAYOUT & GRADING COORDINATES

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C3.3

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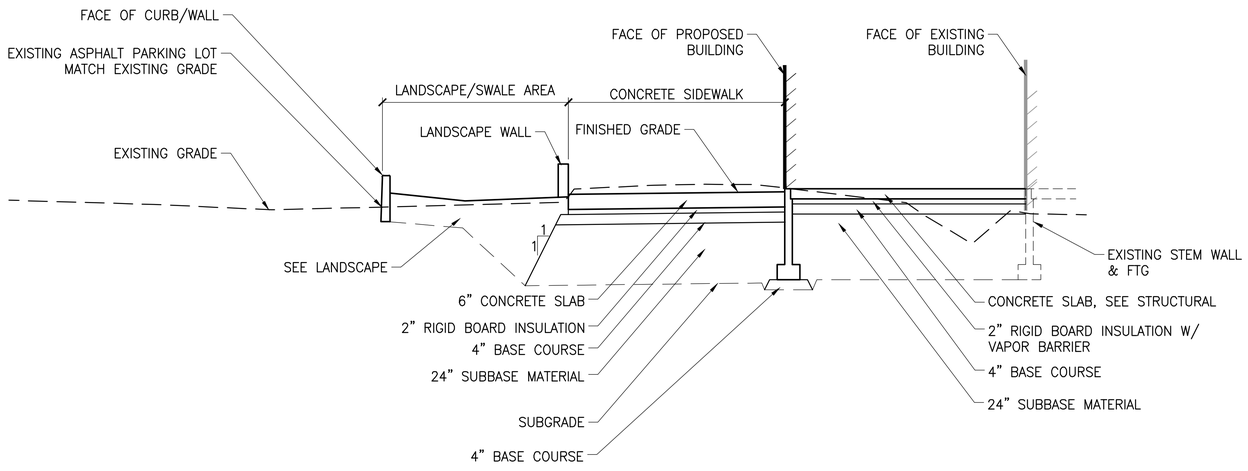

A / C4.1 **SITE SECTION**

SCALE 1"=5' (1H:2V)

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SITE SECTIONS

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C4.1

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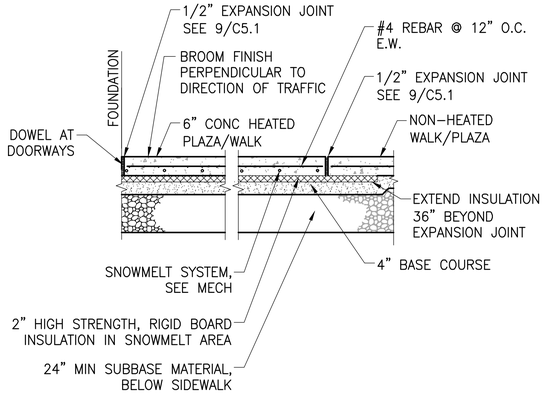
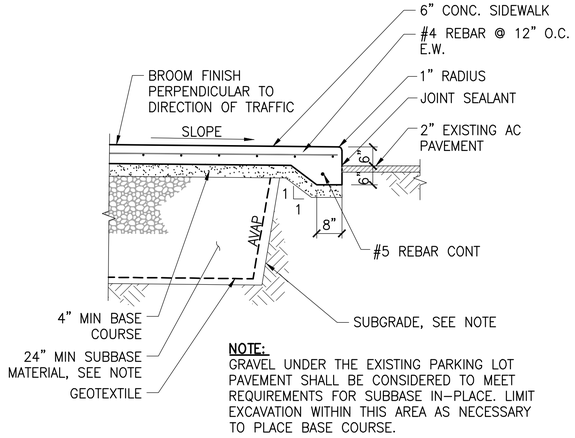


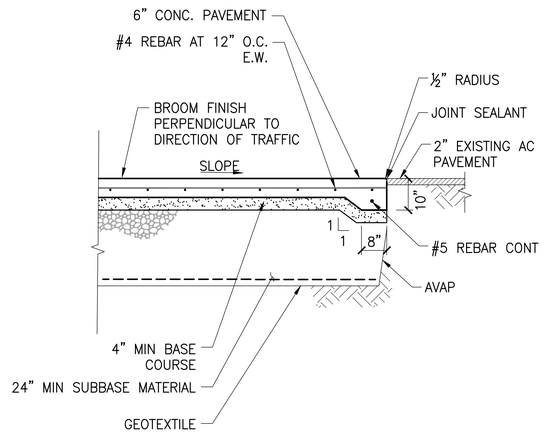
1 C5.1 HEATED PLAZA/WALK SECTION

1/2"=1'-0"



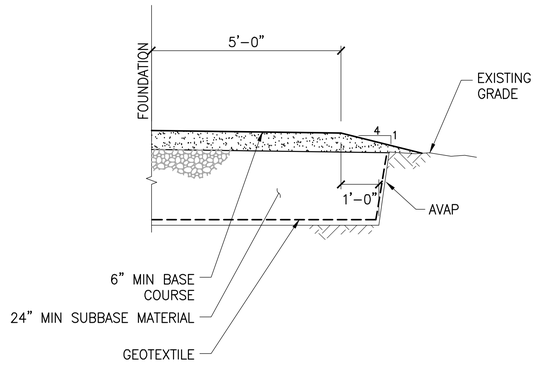
2 C5.1 NON-HEATED PLAZA/WALK SECTION

NTS



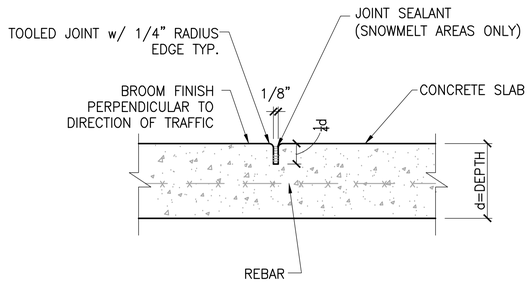
3 C5.1 CONCRETE PAVEMENT SECTION

1/2"=1'-0"



5 C5.1 GRAVEL PATH

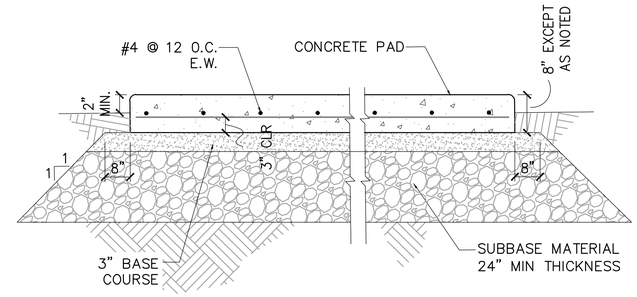
NTS



NOTE:
SPACE AT 6' O.C. OR AS SHOWN ON SITE/GRADING PLANS.

8 C5.1 CONTROL JOINT DETAIL (CJ)

NTS

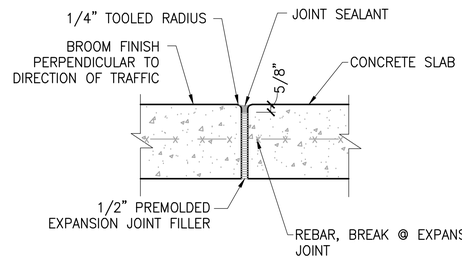


PAD USE	SIZE	CONTROL JOINT SPACING
PROPANE TANK	PER PLAN	5' MAX, E.W.

NOTE-COORDINATE ALL SIZES AND LOCATIONS WITH ELECTRICAL AND MECHANICAL.

6 C5.1 CONCRETE PAD SECTION

NTS



NOTE:
SPACING AT 20' O.C. AND BETWEEN CHANGE IN CONTROL JOINT GRIDS OR WHERE SHOWN ON SITE/GRADING PLANS.

9 C5.1 EXPANSION JOINT DETAIL (EJ)

NTS

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Paul Kendall
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C5.1

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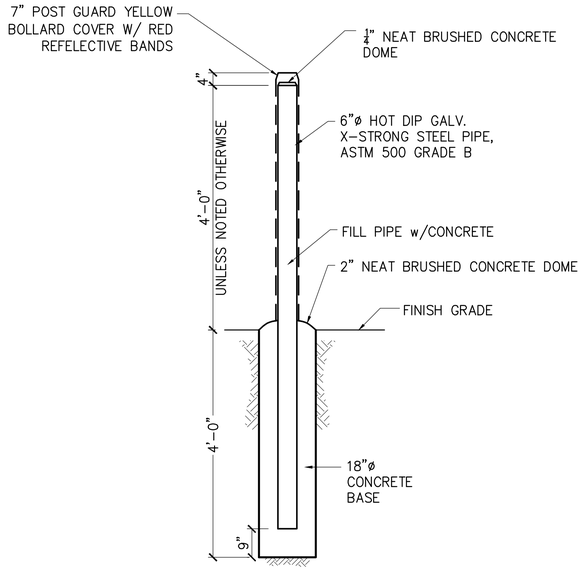
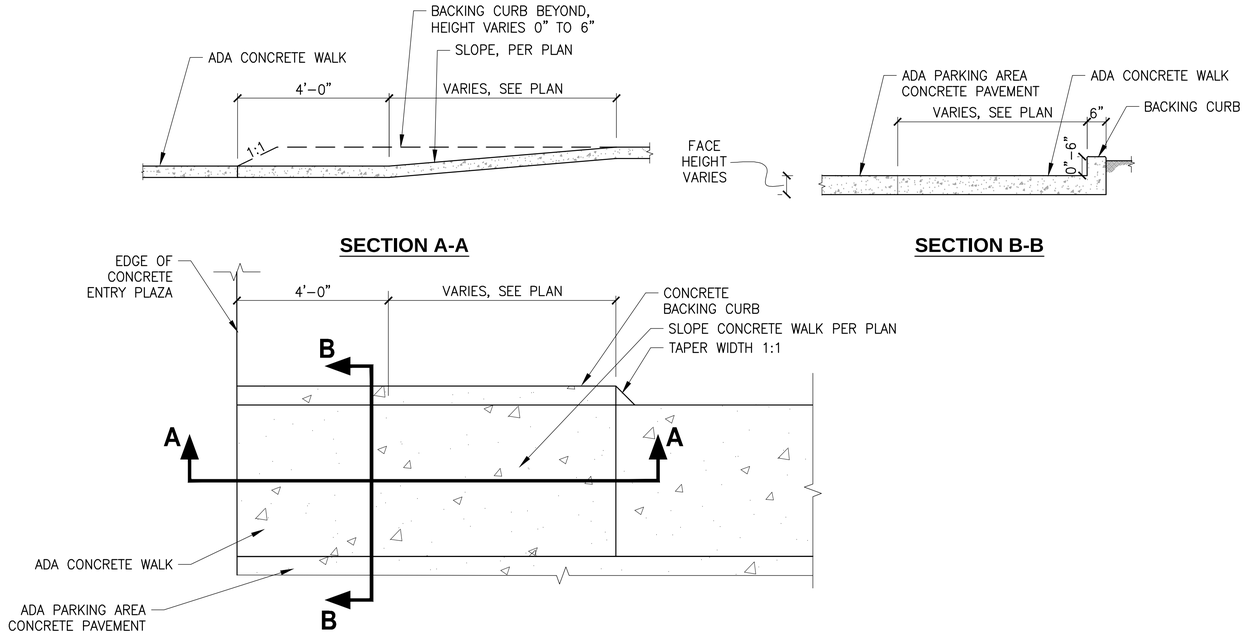
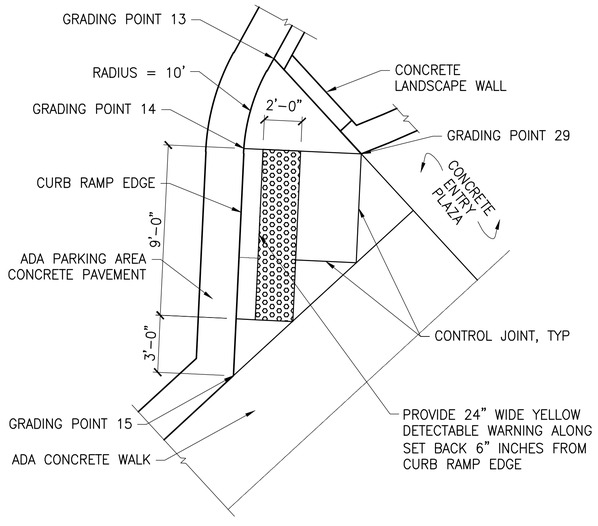


1 BOLLARD
C5.2 NTS

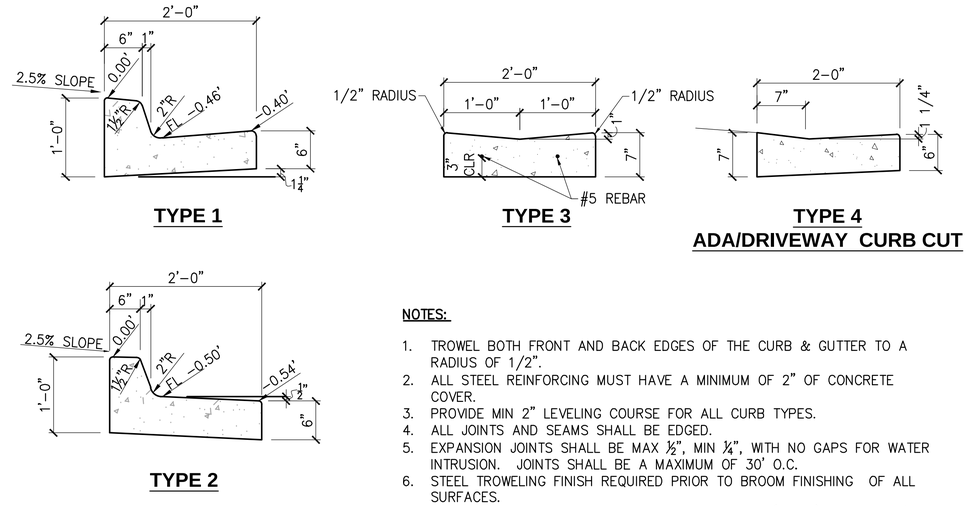


2 CONCRETE BACKING CURB
C5.2 NTS



NOTE:
SEE SHEET C3.3 FOR GRADING POINT LOCATIONS AND ELEVATIONS

3 ADA CONCRETE CURB RAMP
C5.2 NTS



NOTES:

1. TROWEL BOTH FRONT AND BACK EDGES OF THE CURB & GUTTER TO A RADIUS OF 1/2".
2. ALL STEEL REINFORCING MUST HAVE A MINIMUM OF 2" OF CONCRETE COVER.
3. PROVIDE MIN 2" LEVELING COURSE FOR ALL CURB TYPES.
4. ALL JOINTS AND SEAMS SHALL BE EDGED.
5. EXPANSION JOINTS SHALL BE MAX ½", MIN ¼", WITH NO GAPS FOR WATER INTRUSION. JOINTS SHALL BE A MAXIMUM OF 30' O.C.
6. STEEL TROWELING FINISH REQUIRED PRIOR TO BROOM FINISHING OF ALL SURFACES.
7. TRANSITION AT ADA CURB CUTS SHALL BE FLUSH (LEVEL) AND FREE OF ABRUPT CHANGES, AS SHOWN.

5 CURB AND GUTTER
C5.2 NTS

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C5.2

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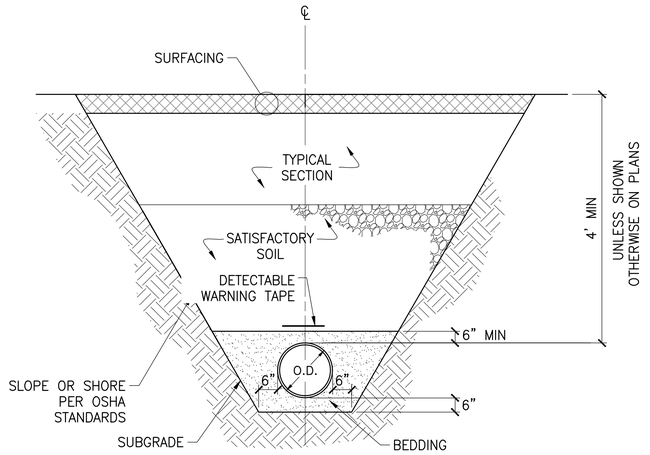
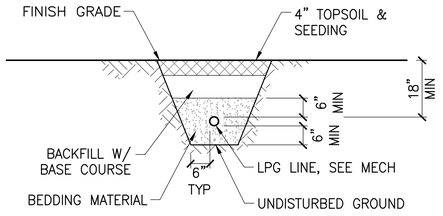


NOTE:
1. PROVIDE 6" MINIMUM SEPARATION BETWEEN PIPES IN SHARED TRENCHES.

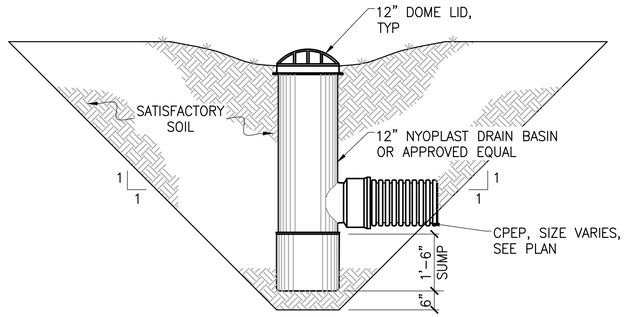
1 C5.3 TYPICAL TRENCH

NTS



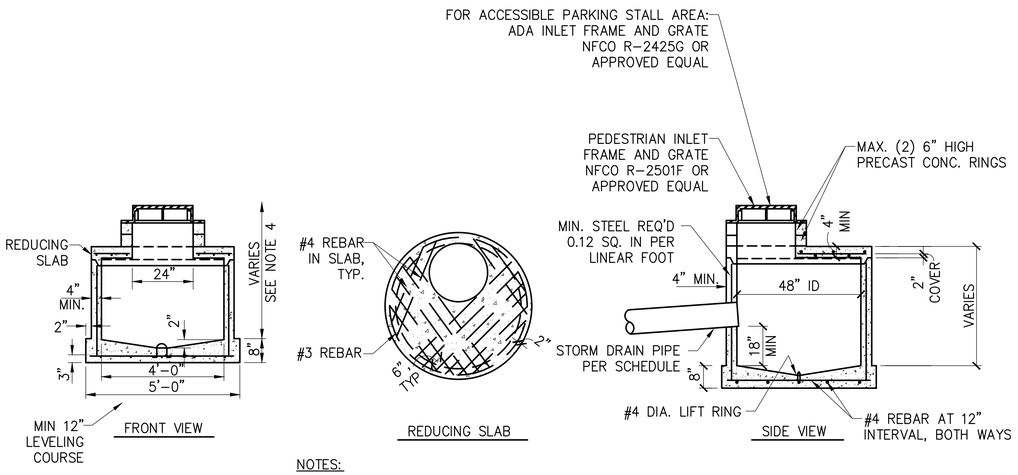
2 C5.3 LPG LINE TRENCH

NTS



3 C5.3 DRAIN BASIN

NTS



NOTES:
1. COMPRESSIVE STRENGTH OF CONC. SHALL BE MINIMUM 4000 P.S.I., EXCEPT BASE SLAB WHICH MAY BE 3000 P.S.I. BASE AND BARREL SHALL BE CONNECTED BY CONTINUOUS STEEL.
2. SEE ASTM C-478-64T FOR DESIGN REQUIREMENTS.
3. AT CATCH BASIN, DELETE CONC. CURB AND GUTTER, PAVE TO FACE OF CATCH BASIN INLET.
4. PROVIDE MIN. 6" BEDDING AROUND BASE AND SIDES OF ALL DRAINAGE STRUCTURES.
5. BASE SHALL BEAR ON COMPETENT SUBGRADE.
6. MATCH CATCH BASIN FRAME AND GRATE TO CURB TYPE SHOWN. SEE PLAN LOCATIONS AND TYP. DETAILS.
7. ACCESSIBLE PARKING STALL AREA: OTHER ADA COMPLIANT FRAME AND GRATE PRODUCTS MAY BE SUBSTITUTED UPON APPROVAL

4 C5.3 PRECAST CATCH BASIN

NTS

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C5.3

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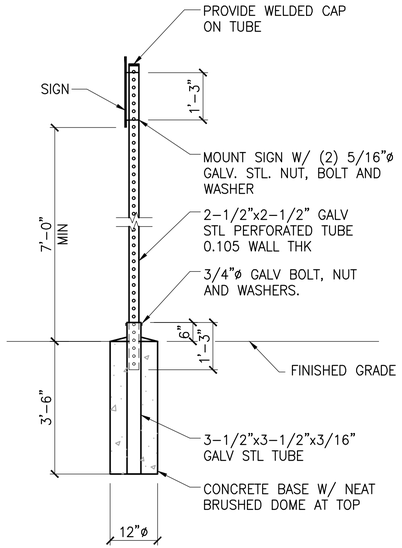
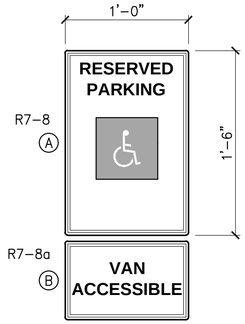




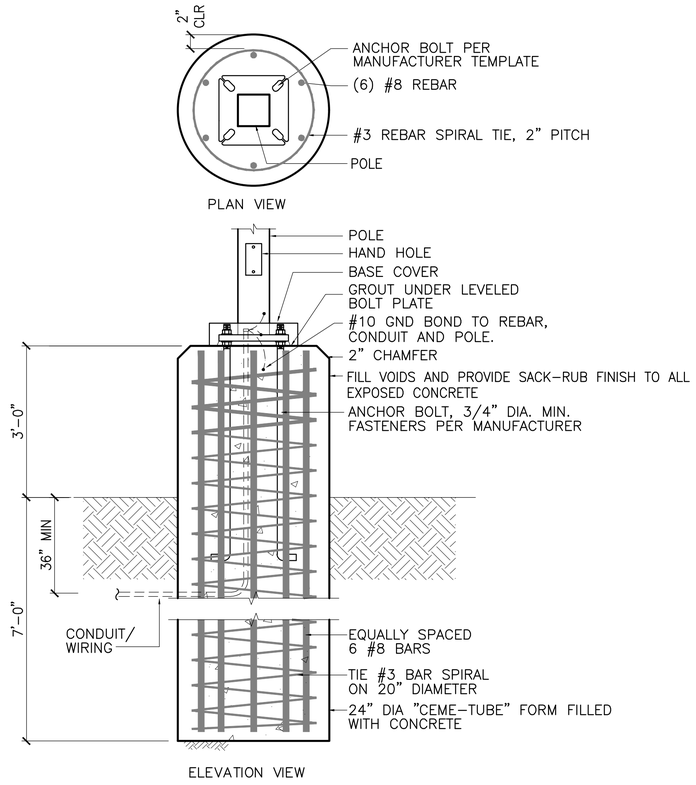
SIGN SCHEDULE		
SIGN#	DESCRIPTION	REFERENCE
A	RESERVED PARKING	R7-8
B	VAN ACCESSIBLE	R7-8A
C		
D		
E		
F		

* SIGN REFERENCES ARE ACCORDING TO THE UNIFORM TRAFFIC CODE AND MOA TRAFFIC DEPT. TRAFFIC SIGN MANUAL

NOTE:
RESERVED PARKING: 2" LEGEND. 4" SYMBOL. GREEN LEGEND AND BORDER. WHITE SYMBOL ON BLUE BACKGROUND ON WHITE MAJOR BACKGROUND.

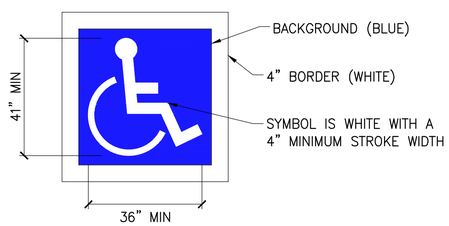
1 C5.4 SIGN DETAIL AND SCHEDULE

NTS



4 C5.4 LIGHT POLE BASE DETAIL

NTS



3 C5.4 ADA PAVEMENT MARKING SYMBOL

NTS NOTE: PAINT COLOR SHALL BE WHITE

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C5.4

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LANDSCAPE SCHEDULE

LABEL	QTY	SYMBOL	SCIENTIFIC NAME	COMMON NAME	SIZE	NOTES
PERENNIALS						
IS	138		IRIS SETOSA VAR. ARCTICA	DWARF ARCTIC IRIS	#1 CONT.	ALL PERENNIALS: FURNISH: CONTAINER
DC	16		DESCHAMPSIA CAESPITOSA	'NORTRAN' TUFTED HAIRGRASS	#1 CONT.	SPACING AS SHOWN
AF	67		ATHYRIUM FILIX FEMINA	LADY FERN	#1 CONT.	PERENNIALS TO BE PLANTED IN 18" TOPSOIL WITH LANDSCAPE FABRIC AND SMALL ROUND LANDSCAPE ROCK

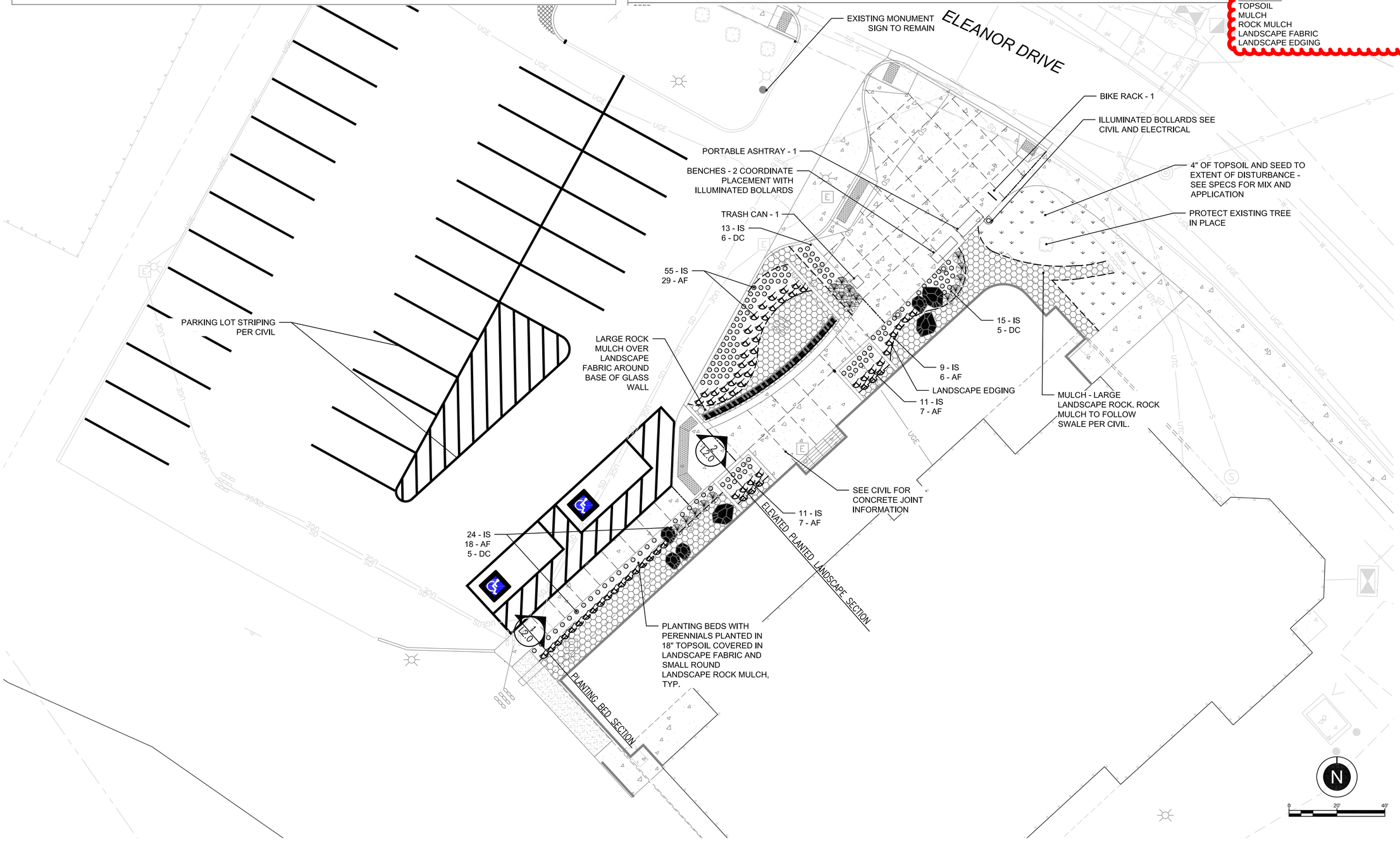
LANDSCAPE MATERIALS

MATERIALS	SYMBOL	ITEM	SIZE	NOTES
		MULCH - LARGE LANDSCAPE ROCK	SEE SPECIFICATIONS	INSTALL OVER LANDSCAPE FABRIC
		LANDSCAPE EDGING	4" ALUMINUM	
	N/A	MULCH - SMALL LANDSCAPE ROCK	SEE SPECIFICATIONS	3" DEPTH OVER LANDSCAPE FABRIC
		BOULDERS		
3		LARGE	4'-6' SHORTEST DIAGONAL	INSTALL WITH 1/3 OF BOULDER BURIED FOR NATURAL LOOK
4		MEDIUM	3'-4' SHORTEST DIAGONAL	

GENERAL SCOPE OF WORK FOR LANDSCAPING:

THE FOLLOWING LANDSCAPE ITEMS ARE OWNER FURNISHED, OWNER INSTALLED:
PLANTS
BOULDERS
BIKE RACK(S)
BENCHES
TRASH CAN(S)
PORTABLE ASHTRAY(S)

THE FOLLOWING LANDSCAPE ITEMS ARE CONTRACTOR FURNISHED, CONTRACTOR INSTALLED:
TOPSOIL
MULCH
ROCK MULCH
LANDSCAPE FABRIC
LANDSCAPE EDGING



HUDDLE AK LLC
721 DEPOT DRIVE, SUITE 100
ANCHORAGE, ALASKA 99501 907.223.0136

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Remodel and Addition

(Bid Set) **Construction Drawings- 95%**

LANDSCAPE SITE DIAGRAM

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L1.0

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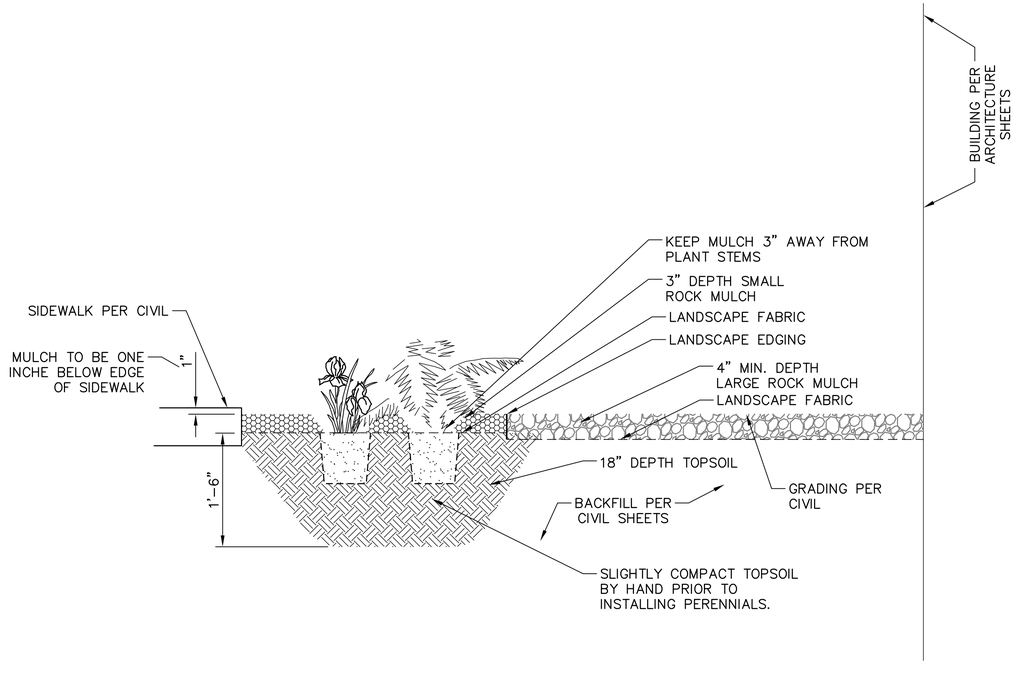
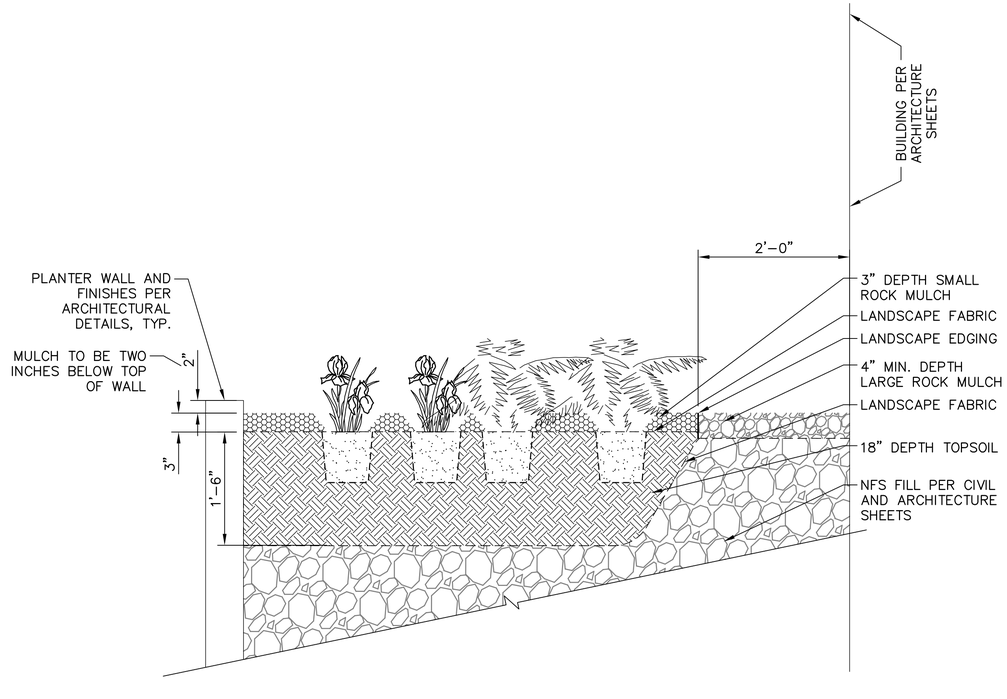


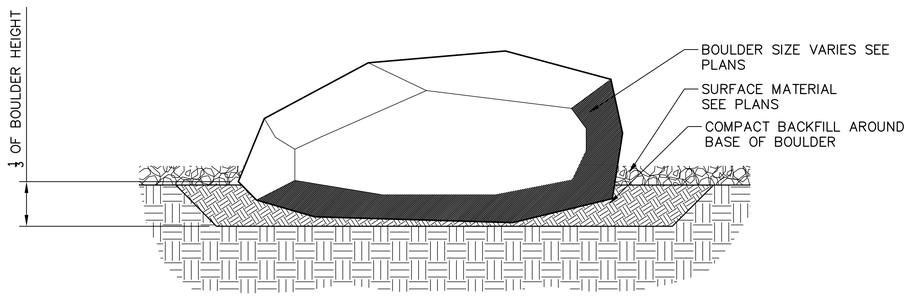
1 L2.0 PLANTING BED SECTION
NTS

.



2 L2.0 ELEVATED PLANTER LANDSCAPE SECTION
NTS

.



NOTES:

1. BOULDER SHALL BE PLACED TO CONVEY NATURAL APPEARANCE. GENERALLY BURYING APPROXIMATELY 1/3 OF THE BOULDER WILL ACHIEVE THAT AFFECT.
2. DEPTH OF EXCAVATION SHALL ACCOMMODATE BOULDER SIZE.
3. PLACEMENT OF BOULDERS SHALL BE FIELD VERIFIED BY PROJECT ARCHITECT.

3 L2.0 BOULDER INSTALL
NTS

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L2.0

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ABBREVIATIONS

#	pound or number
&	and
+	plus
-	minus
<	Angle
=	equal
@	at
A/C	air conditioning
A/V	audio/video
AB	anchor bolt
ABV	above
ACOUS	acoustical
ACT	acoustical ceiling tile
AD	area drain
ADA	Americans with Disabilities Act
ADJ	adjacent
ADJST	adjustable
AESS	architecturally exposed structural steel
AF	acoustical fixture
AFF	above finished floor
ALT	alternate
ALUM	aluminum
ANC	anchorage
ANSI	American National Standards Institute
AP	acoustic panel
APPROX	approximate
ARCH	architectural
ARG	abuse resistant gypsum wall board
ASPH	asphalt
AVG	average
AWP	acoustical wood panel
B	base
BD	board
BLDG	building
BLK	block
BLKG	blocking
BLW	below
BM	beam
BO	bottom of
BOF	bottom of footing
BOT	bottom
BSBD	baseboard
BTWN	between
CAB	cabinet
CB	cove base
CBU	cement backer unit
CEM	cement
CF	cubic foot
CFCI	contractor furnish/ contractor install
CG	corner guard
CIP	cast in place
CJ	control joint
CL	center line
CLG	ceiling
CLO	closet
CMTBD	cement board
CNR	corner
CNTR	counter
CO	clear clean out
COL	column
CONC	concrete
CONN	connection
CONST	construction
CONT	continuous
CONTR	contractor
CORR	corridor
CPT	carpet
CT	ceramic tile
CTR	center
CUH	cabinet unit heater

CW	curtain wall
D	deep, depth
DBL	double
DEB	dry erase board
DEMO	demolish, demolition
DEPT	department
DET	detail
DF	drinking fountain/double flush
DFG	double full glass
DIA.	diameter
DIM	dimension
DIV	division
DN	down
DP	dampproof(ing)
DR	door
DS	downspout
DW	dishwasher
DWG	drawing
DWR	drawer
E	east
EA	each
EF	exhaust fan
EJ	expansion joint
EL	elevation
ELEC	electrical
ELEV	elevator
EM	entry mat
EMER	emergency
ENCL	enclosure
EP	electrical panelboard
EPX	epoxy
EQ	equal
EQUIP	equipment
EXH	exhaust
EXIST/EX/E	existing
EXP	exposed
EXPAN	expansion
EXT	exterior/extend
F	flush
FA	fire alarm
FAB	fabricate
FAC	factory
FAF	fluid applied flooring
FBCT	folding baby changing table
FD	floor drain, file drawer
FDC	fire department connection
FDN	foundation
FE	fire extinguisher
FEC	fire extinguisher cabinet
FF	finished floor
FFL	finished floor line
FG	full glass
FIN	finish
FLASH	flashing
FLR	floor
FM	film
FO	face of
FOC	face of concrete
FOF	face of finish
FOS	face of studs
FP	fireproof
FRMG	framing
FRP	fiber reinforced plastic
FRT	fire retardant treated
FS	full size
FSS	
FT	foot, feet
FTG	footing
FURR	furring
FUT	future

FWS	freestanding wire shelving
GA	gauge
GALV	galvanized
GB	grab bar
GEN	general
GI	galvanized iron
GL	glass
GND	ground
GR	grout
GRD	grade
GT	glass tile
GWB	gypsum board
GYP	gypsum
H2O	water cooler
HB	hose bibb
HC	hollow core
HDR	header
HDWD	hardwood
HDWE	hardware
HM	hollow metal
HMT	hollow metal thermal break
HORIZ	horizontal
HR	hour
HT	height
HTG	heating
HTR	heater
HVAC	heating/ventilating/cooling
HWH	hot water heater
IBC	International Building Code
ICC	International Code Council
ID	inside diameter
IG	insulated glass
IHM	insulated hollow metal
INCL	include
INSUL	insulation
INT	interior
IPS	interior paint system
JAN	janitor
JST	joist
JT	joint
KD	knock down
KIT	kitchen
KO	knock out
L	length, long
LAB	laboratory
LAM	laminate
LB	lock box (telephone)
LH	left hand
LIN	linoleum flooring
LKR	locker
LM	laminated glass
LT	light
LWC	linear wood ceiling
M&E	mechanical and electrical
MACH	machine
MATL	material
MAX	maximum
MBD	marker board
MC	medicine cabinet
MCP	metal ceiling panel
MCS	metal ceiling system
MECH	mechanical
MEMB	membrane
MEP	mechanical/electrical/plumbing
MET	metal
MFR	manufacturer
MGO	magnesium oxide
MH	manhole
MIL	millimeter
MIN	minimum

MIR	mirror
MPI	Master Painter's Institute
MR	moisture resistant
MRGB	moisture resistant gypsum board
MSB	mop service basin
MTD	mounted
MTL	metal
MUL	mullion
MWP	metal wall panel
N	north
N/A	not applicable
NIC	not in contract
NO	number
NOM	nominal
NTS	not to scale
OC	on center
OD	outside diameter
OFCI	owner furnish/contractor install
OFOI	owner furnish/owner install
OH	overhead
OPNG	opening
OPP	opposite
OPQ	opaque
ORD	overflow roof drain
PC	pre-cast
PCR	proximity card reader
PCT	porcelain tile
PERF	perforated
PL	plastic laminate/property line
PLUM	plumb, plumbing
PLYWD	plywood
PNL	panel
PR	pair
PREFAB	prefabricated
PREFIN	prefinish(ed)
PSF	pounds per square foot
PSI	pounds per square inch
PT/PNT	paint/pattern
PTD	paper towel dispenser
PTDR	paper towel dispenser and receptacle
PTN	partition
PTR	paper towel receptacle
PVMT	pavement
QT	quarry tile
R	relocated
RB	resilient/rubber base
RCP	reflected ceiling plan
RD	roof drain
RE:	regarding (see)
REBAR	reinforcing bar
REF	reference
REFL	reflected
REFR	refrigerator
REINF	reinforc(ed)(ing)
REQD	required
RESIL	resilient
RFEC	recessed fire extinguisher cabinet
RH	robe hook, right hand
RM	room
RO	rough opening
RP	resin panel
RTD	rated
RWL	rain water leader
SCHED	schedule
SCO	seat cover
SD	soap dispenser
SDT	static dissipative tile
SECT	section
SH	shelf
SHTG	sheeting

SHV	sheet vinyl
SHWR	shower
SIM	similar
SLR	sealer
SND	sanitary napkin dispenser
SNR	sanitary napkin receptacle
SPEC	specification
SQ	square
SR	slip resistent
SS	stainless steel
SSK	service sink
SSM	solid surface material
ST	stain
STD	standard
STL	steel
STN	stone
STRUCT	structural
SUSP	suspended
SYM	symmetrical
SYS	system
T	perpendicular
T&G	tongue and groove
TB	tack board (also WC)
TBD	to be determined
TEL	telephone
TEMP	temporary
TFF	troweled floor finish
TG	tempered glass
THK	thick
TO	top of
TOB	top of beam
TOC	top of concrete, top of curb
TOP	top of pavement
TOS	top of steel
TOW	top of wall
TPN	toilet partition
TR	transition
TSCD	toilet seat cover dispenser
TSPN	transparent
TTD	toilet tissue dispenser
TV	television
TYP	typical
UL	Underwriters Laboratories, Inc.
UNFIN	unfinished
UNO	unless noted otherwise
UR	urinal
VCT	vinyl composition tile
VERT	vertical
VEST	vestibule
VIF	verify in field
VR	vapor retarder
W	west, wide, width
W/	with
W/O	without
WB	window blind
WC	water closet/wall covering
WCS	wood ceiling system
WD	wood
WDG	wood grille (also WD)
WDP	wood panel
WDW	window
WH	wall hung
WM	walkoff mat
WP	waterproof
WR	water resistent/waste receptical
WS	window shade
WSCT	wainscot
WT	window treatment
WWF	woven wire fence
Σ	summation
≈/APPROX	approximately

SYMBOLS

GRID LINE INDICATION

CENTERLINE OF GRID

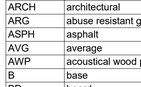
Room name

101

ROOM IDENTIFICATION

ROOM NAME

ROOM NUMBER



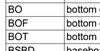
INTERIOR/ EXTERIOR ELEVATION

DASH INDICATES NO ELEVATION

BUILDING OR WALL SECTION

SECTION NUMBER

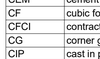
SECTION SHEET



DETAIL

DETAIL NUMBER

DETAIL SHEET



WALL / PARTITION / ROOF TYPE INDICATOR

REFER TO WALL ASSEMBLIES

FLOOR TYPE INDICATOR

REFER TO FLOOR, CEILING, ROOF LEGEND

CEILING TAG

REFER TO REFLECTED CEILING PLANS

OPENING TYPE

REFER TO WINDOW/ CURTAINWALL/ STOREFRONT/MANUAL LOUVER DRAWINGS AND SPECIFICATIONS

DOOR NUMBER

REFER TO DOOR SCHEDULE

WORK POINT

(CONTROL or DATUM POINT)

3D PERSPECTIVE

VIEW NUMBER

VIEW SHEET

NOTE: 3D PERSPECTIVE VIEWS ARE PROVIDED THROUGHOUT THE DRAWINGS FOR REFERENCE PURPOSES ONLY. THEY MAY NOT REFLECT THE ACTUAL DESIGN CONDITIONS OR DESIGN INTENT.

ECI ARCHITECTURE DESIGN STRATEGY
3909 ARCTIC BOULEVARD, SUITE 100
ANCHORAGE, ALASKA 99503 907.561.5543

PROJECT NO.18-0016.00

UNALASKA PUBLIC LIBRARY
Library Expansion Project
64 Eleanor Drive
Unalaska, Alaska 99685

(Bid Set) 100% Construction Documents

ABBREVIATIONS, SYMBOLS

AUTHOR: SSW
CHECKED: SC
REVISION:
ISSUE DATE: 10.01.21
OWNER PROJECT NO: DPW 15105

A0.1

FULL SIZE PRINTED ON 22 x 34

BUILDING CODE INFORMATION: Unalaska Public Library

Applicable Codes
International Building Code (IBC) 2012 with State of Alaska amendments per 13 AAC 50- 13 AAC 55
Electrical Code 2017 NEC
Plumbing Code 2015 UPC
Mechanical Code International Mechanical Code 2012
International Fire Code 2012
International Fuel Gas Code 2012
NFPA 13 (2010)

Authority Having Jurisdiction:
Alaska State Fire Marshal
City of Unalaska; Department of Public Works and Department of Public Utilities

Project Summary
The project consists of an addition and remodel of existing library spaces. This includes removal of the majority of the existing north exterior wall and modest modifications to the existing building including finish upgrades to toilet rooms, reading rooms, and the main bookstack area. The project includes additional mechanical equipment and minor upgrades/reconfiguration to the existing systems, and reconfiguration of misc. electrical and sprinkler piping elements.

The new area of addition including covered entries totals 3,570 sq ft.

Current Occupant Load Calculation

Library Reading Areas	50 net/Per Occupant	2404/50 = 48 Occupants
Library Stack Areas	100 gross/Per Occupant	3186/100= 32 Occupants
Children's Gathering Area	7 net/Per Occupant	266/7 = 38 Occupants
Teen Gathering Area	15 net/Per Occupant	296/15 = 20 Occupants
Business Use (office)	100 gross/Per Occupant	830/100 = 8 Occupants
Assembly Unconcentrated Tables and Chairs	15 net/ Per Occupant	444/15 = 29 Occupants
If concentrated 444/7 =63 Occupants (Room will be posted 49 Occupants Max)		
Assembly Concentrated Chairs only	7 net/Per Occupant	1068/7 = 152 Occupants
If necessary, could be posted with 99 Occupants Max		
Mechanical Spaces	300 gross/Per Occupant	225/300 = 0 Occupants

Total Occupant Load = 327

Existing Building Original Code Review
1994 UBC
1991 UFC

Group A-3 (UBC 301.1)
Construction type: VN
Total Allowable Area: 18,300
Maximum Height: 40'-0" (Actual Height: 36'-0")
Total Occupant load from Original Building: 151 Occupants calculated per 1994 UBC for original construction

Building Summary

First Level	3,570 gsf (new) + 8,300 gsf (existing) = 11,870 gsf
Mechanical Equipment Platform (see 505.5)	420 gsf (existing) (see 505.5)
TOTAL GSF	12,290 gsf

Type of Construction:

Construction Type:
Current Construction Type Classification = VB (non-rated construction), sprinklered

(Original: Type V-N, Sprinklered per 1994 UBC & 1991 UFC.)

302.1 Occupancy Classification
A-3 Assembly - Library (no separation required per 508.4)
Accessory B Staff Areas w/ S-1 Storage

508.3 Non- Separated uses
If Occupancies S, B, and A-3 are included, A-3 is most restrictive.

504.2 Automatic Sprinkler Allowable Height Increase
Allowable Height = 40'+20'(sprinkler increase) = 60' max above grade plane (36' actual @ high roof above grade plane.)

506.1 Allowable Building Height and Area per Equation 5-1 506.1:
Total allowable area = Area per table 503 + frontage increase 506.2 + sprinkler increase.
15,000 per story = 6,000 + (6,000 x .50) + (6,000 x 3)
Allowable stories with sprinkler Increase per 504.2 = 2 Stories

Total Allowable Building Area per Story = 27,000 SF

508.2.1 Accessory Spaces The aggregate area of B and S accessory spaces combined is 10% of the total area, therefore no separation is required from the main occupancy.

508.2.5.1 Incidental Accessory Occupancies
Furnace Rooms and Boiler Rooms are sprinklered and separated by resisting the passage of smoke. (508.2.5.2)

718.4.3 Draftstopping at Roof
Not required per exception for automatic sprinkler system installed throughout per 903.3.1.1

903 Fire Protection Systems: Automatic Sprinkler System: The sprinkler system will be designed to the requirements of NFPA13.

906 Portable Fire Extinguishers: One type 2A, 10BC fire extinguisher is required for each 3,000sf of area and no more than 75' of travel distance to an extinguisher (150'oc max) per section 906 of the IFC.
The structure is steel (non-combustible).

907 Fire Alarm and Detection Systems
Fire Alarms – A single fire alarm box shall be installed. A manual fire alarm system that activates the occupant notification system is required per section 907.2.1 where the occupant load is greater than 300. Per section 907.2.1 a manual fire alarm system not required if there is an automatic fire extinguishing system and the occupant notification appliance activates through the notification zones upon sprinkler waterflow. Visual and audible notification are required.

1004.3 Occupancy Signage
Every room that is an assembly occupancy shall have the occupant load posted in a conspicuous place. Assembly functions include the gathering room, children's room and multi purpose room.

1005 Egress Width Total school occupant load requires minimum of .15 inches of egress width per 1005.3.2
0.15 inches per occupant x 247 occupants = 37" total required.
Total exit width provided = 192 inches

1008.1.10 Panic Hardware
Doors serving a room of 50 or more occupants have panic hardware. All lobby, main library, and gathering room exit doors will be provided with panic hardware.

10.14.7 Exit Separation
Where 2 exits are required, the distance between exits shall be separated by a minimum distance of 1/3 the diagonal distance of the area served, per exception 2 for sprinklers.

1014.3 Common Path of Egress Travel
75' max in A-3 Occupancy. (No sprinkler increase)

1016.1 Exit Access Travel Distance
250' max with sprinkler increase

Table 1018.2.1 Corridor Width
72" Corridor width required Occupancies with a corridor having an exit load greater than 100 Occupants. 44" width when exit load is less than 100 Occupants.

1018.4 Dead End Corridors
50' max unless length is less than 2.5 times the width.

1105.1 Accessible Public Entrances – 60% of required public entrances must be accessible. All entries and exits are at grade with a max 2 % slope.

Emergency Lights & Exit Signs
The entire building is required to have emergency lighting and exit signs per section 1006 and 1011 The requirements includes emergency lights at the exterior portion adjacent to the exit discharge doorways. These systems must be a part of the emergency power system.

(note the requirements for raised character and braille exits signs do not apply per 1011.4 as the exit components listed in that section are not present in our exiting configuration- ie, the EXIT or EXIT ACCESS are not mentioned as components requiring the additional signage)

1505.1 Roof Covering Classification
Type VB: Class C Roof assembly

2603 Foam Plastic Insulation
Foam plastic insulation shall be protected from the interior of the building with a thermal barrier meeting the requirements of section 2603.4 and tested in accordance with NFPA 275.

Fire Flow
IFC, Section 508 requires adequate water and hydrants for firefighting purposes. An Alaska State amendment (13 AAC 50.025(28)) makes this requirement discretionary according the local fire chief.

Fire Apparatus Access Roads
At the discretion of the Fire Chief, fire apparatus roadways are required to extend within 150 feet of all portions of the facility or any portion of the exterior wall as measured along an approved access route per an Alaska State amendment (13 AAC 50.025(23)) to IFC 503.1.1. The code official is authorized to increase the dimension of 150 feet where the building is sprinkled, or the roads cannot be installed due to topography. Communications between PND and the current Fire Chief have verified acceptance of our proposed site layout. (June 27, 2019 kmz)

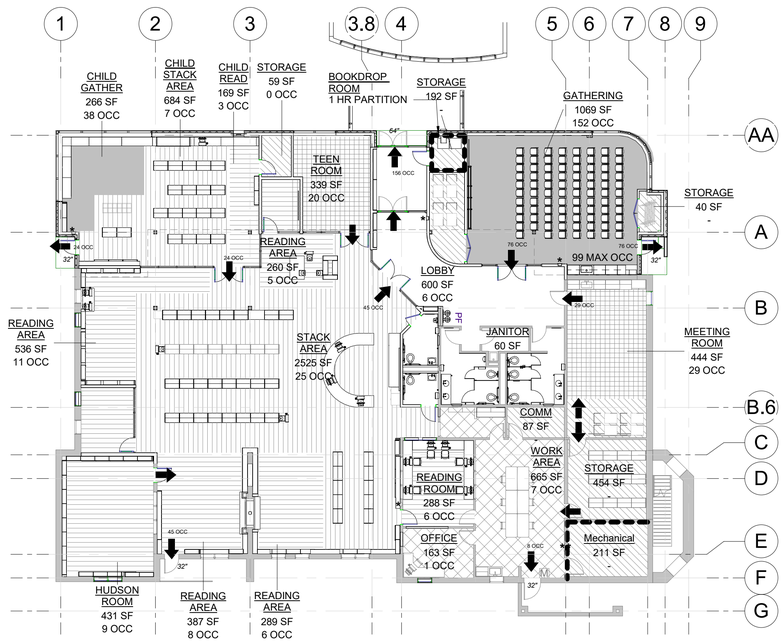
Sprinklers at Exterior Projections. Per NFPA 13 8.15.7.4 exterior projections over 4 feet will be sprinklered.

Boiler Room The existing boiler room is less than 500 sq ft with equipment exceeding 400,000 BTU. It is sprinklered and has construction preventing the passage of smoke per 509.4.2 as required by 13AAC 50.010(25).

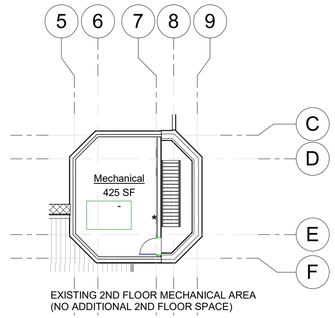
Plumbing Fixture Count
Chapter 29 Plumbing Systems: 1997 UBC per State of Alaska
Water Closets:
8 required, 8 provided 2 of which are shared and 3 of which meet ADA with 1 urinal provided for males in lieu of 1 water closet.
Lavatories:
4 required, 6 provided
Drinking Fountains:
2 required, 2 provided 1 of which is ADA accessible
Service Sink:
One required, one provided

CODE LEGEND	
EXIT XX	EXIT LOAD
	EXIT DIRECTION
*	FIRE EXTINGUISHER IN CABINET
	1 HR FIRE/SMOKE PARTITION
	S-1 ACCESSORY STORAGE, MECH, ELEC
	B ACCESSORY BUSINESS
	A-3 ASSEMBLY CONCENTRATED
	A-3 ASSEMBLY UNCONCENTRATED
	A-3 LIBRARY READING ROOM
	A-3 LIBRARY STACK AREA
	INCIDENTAL

The blockage of any exit will not diminish the exit width by more than half in any situation.



1 LEVEL 1 CODE PLAN
1/16" = 1'-0"



EXISTING 2ND FLOOR MECHANICAL AREA
(NO ADDITIONAL 2ND FLOOR SPACE)

2 LEVEL 2 CODE PLAN
1/16" = 1'-0"

ECI ARCHITECTURE DESIGN STRATEGY
3909 ARCTIC BOULEVARD, SUITE 100
ANCHORAGE, ALASKA 99503 907.561.5543
PROJECT NO.18-0016.00

UNALASKA PUBLIC LIBRARY
Library Expansion Project
64 Eleanor Drive
Unalaska, Alaska 99685

(Bid Set) 100% Construction Documents

STATE OF ALASKA 49TH
REGISTERED PROFESSIONAL ENGINEER
10-1-2021

LIFE SAFETY PLAN, CODE REVIEW

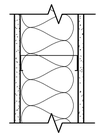
AUTHOR: KMZ, SSW CHECKED: SC
REVISION:
ISSUE DATE: 10.01.21
OWNER PROJECT NO: DPW 15105

A0.2

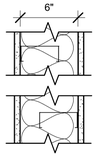
FULL SIZE PRINTED ON 22 x 34

INTERIOR PARTITION ASSEMBLIES - NEW (PLAN)

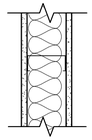
NOTE: SEE GENERAL ASSEMBLY NOTES FOR MORE INFORMATION



A1
GWB PARTITION WITH ACOUSTIC BATT
-FINISH PER SCHEDULE
-5/8" GWB
-6" METAL STUD @ 16" O.C., TYP.
-BATT INSULATION W/ 1/2" AIR GAP
-5/8" GWB
-FINISH PER SCHEDULE

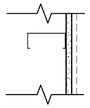


A1a
GWB PARTITION WITH STAGGERED STUDS
-FINISH PER SCHEDULE
-5/8" GWB
-4" METAL STUD, STAGGERED, @ 16" O.C., TYP.
-BATT INSULATION
-5/8" GWB
-FINISH PER SCHEDULE

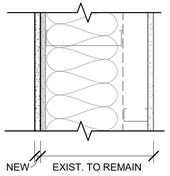


A2
GWB PARTITION WITH ACOUSTIC BATT
-FINISH PER SCHEDULE
-5/8" GWB
-4" METAL STUD @ 16" O.C., TYP.
-BATT INSULATION W/ 1/2" AIR GAP
-5/8" GWB
-FINISH PER SCHEDULE

A2s
GWB SMOKE PARTITION
-SAME AS A2 WALL BUT WITH FIRE SEAL AT TOP AND BOTTOM OF WALL TO HORIZONTAL PARTITIONS TO ENSURE THE RESISTANCE TO THE PASSAGE OF SMOKE



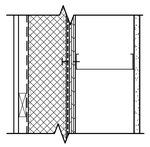
A2f
GWB FURRED PARTITION
-FINISH PER SCHEDULE
-5/8" GWB
-4" METAL STUD @ 16" O.C., TYP.



A4
EXISTING EXTERIOR - NEW INTERIOR PARTITION
-NEW FINISH PER SCHEDULE
-EXISTING 5/8" GWB
-EXISTING 2 1/2" METAL STUD FRAMING, STAGGERED
-EXISTING VAPOR RETARDER
-EXISTING 1/4" AIR GAP
-EXISTING 8" METAL STUD FRAMING
-EXISTING BATT INSULATION AGAINST EXTERIOR FACE OF CAVITY
-EXISTING 3/4" PLYWOOD SHEATHING
-DEMOLISHED AIR INFILTRATION BARRIER
-DEMOLISHED EXTERIOR SIDING
-NEW 5/8" GWB
-NEW FINISH PER SCHEDULE

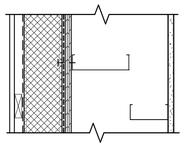
EXTERIOR WALL ASSEMBLIES - NEW (PLAN)

NOTE: SEE GENERAL ASSEMBLY NOTES FOR MORE INFORMATION



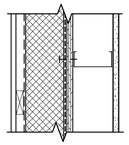
W5
EXTERIOR WALL
-5/8" GWB (FINISH PER SCHEDULE)
-6" COLD FORMED METAL STUD FRAMING
-1/2" PLYWOOD SHEATHING
-VAPOR RETARDER-1
-HORIZONTAL FIBERGLASS Z SUPPORTS @ 24" O.C.
-4" SEMI-RIGID INSULATION
-WEATHER BARRIER-1
-1X VERTICAL CEDAR FURRING @ 16" O.C.
-SIDING-1 (FINISH PER SPECIFICATION)

W5s
EXTERIOR WALL W/ PANEL SIDING-2 (BELOW WINDOWS AS NOTED IN PLAN & EXTERIOR ELEVATIONS)
-5/8" GWB (FINISH PER SCHEDULE)
-6" COLD FORMED METAL STUD FRAMING @ 8" O.C.
-1/2" PLYWOOD SHEATHING
-VAPOR RETARDER-1
-HORIZONTAL FIBERGLASS Z SUPPORTS @ 24" O.C.
-4" SEMI-RIGID INSULATION
-WEATHER BARRIER-1
-GALVANIZED METAL HAT CHANNEL @ 16" O.C.
-PANEL SIDING-2 (FINISH PER SPECIFICATION)

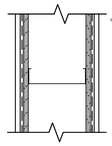


W6
EXTERIOR WALL
-5/8" GWB (FINISH PER SCHEDULE)
-4" COLD FORMED METAL STUD FRAMING, STAGGERED, TO EXTEND 6" ABOVE CEILING U.N.O.
-6" COLD FORMED METAL STUD FRAMING
-1/2" PLYWOOD SHEATHING
-VAPOR RETARDER-1
-HORIZONTAL FIBERGLASS Z SUPPORTS @ 24" O.C.
-4" SEMI RIGID INSULATION
-WEATHER BARRIER-1
-1X VERTICAL CEDAR FURRING @ 16" O.C.
-SIDING-1 (FINISH PER SPECIFICATION)

W6s
EXTERIOR WALL W/ PANEL SIDING-2 (BELOW WINDOWS AS NOTED IN PLAN & EXTERIOR ELEVATIONS)
-5/8" GWB (FINISH PER SCHEDULE)
-6" & 4" COLD FORMED METAL STUD FRAMING @ 8" O.C., STAGGERED
-1/2" PLYWOOD SHEATHING
-VAPOR RETARDER-1
-HORIZONTAL FIBERGLASS Z SUPPORTS @ 24" O.C.
-4" SEMI RIGID INSULATION
-WEATHER BARRIER-1
-GALVANIZED METAL HAT CHANNEL (SAME DEPTH AS 2X VERTICAL CEDAR FURRING) @ 16" O.C.
-PANEL SIDING-2 (FINISH PER SPECIFICATION)



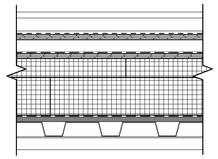
W7
EXTERIOR WALL
-5/8" GWB (FINISH PER SCHEDULE)
-4" COLD FORMED METAL STUD FRAMING
-1/2" PLYWOOD SHEATHING
-VAPOR RETARDER-1
-HORIZONTAL FIBERGLASS Z SUPPORTS @ 24" O.C.
-4" SEMI-RIGID INSULATION
-WEATHER BARRIER-1
-1X VERTICAL CEDAR FURRING @ 16" O.C.
-SIDING-1 (FINISH PER SPECIFICATION)



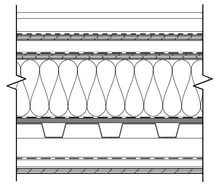
W8
EXTERIOR WALL (WIND PROTECTION)
-SIDING-1 (FINISH PER SPECIFICATION)
-WEATHER BARRIER-2
-1/2" PLYWOOD SHEATHING
-6" COLD FORMED METAL STUD FRAMING
-1/2" PLYWOOD SHEATHING
-WEATHER BARRIER-2
-SIDING-1 (FINISH PER SPECIFICATION)

ROOF ASSEMBLIES - NEW (SECTION)

NOTE: SEE DETAILS FOR ASSEMBLIES AT EAVES AND EXTERIOR CANOPY



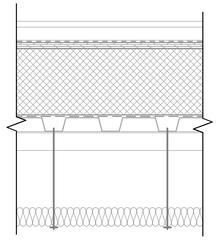
3
TYPICAL ROOF ASSEMBLY-TYPE 3
-STANDING SEAM METAL ROOFING SYSTEM
-ROOF UNDERLAYMENT-1
-5/8" PLYWOOD SHEATHING; SEE SPECIFICATIONS
-16 GA 1 1/2" DEEP METAL Z FURRING WITH HOLES IN VERTICAL WEB @ 2'-0" OC**
-ROOF UNDERLAYMENT-2
-1/2" PLYWOOD SHEATHING
-6" RIGID INSULATION (2 LAYERS: STAGGER INSULATION JOINTS)
-VAPOR RETARDER-1
-1/2" THERMAL BARRIER
-METAL DECKING; SEE STRUCT
-BAR JOISTS; SEE STRUCT.



4
ENTRY ROOF ASSEMBLY-TYPE 4
-STANDING SEAM METAL ROOFING SYSTEM
-ROOF UNDERLAYMENT-1
-5/8" PLYWOOD SHEATHING; SEE SPECIFICATIONS
-16 GA 1 1/2" DEEP METAL Z FURRING WITH HOLES IN VERTICAL WEB @ 2'-0" OC**
-ROOF UNDERLAYMENT-2
-PLYWOOD SHEATHING; SEE STRUCTURAL.
-6" DEEP METAL Z FURRING; SEE STRUCT.
-6" BATT INSULATION
(IF APPLICABLE, STAGGER INSULATION JOINTS)
-VAPOR RETARDER-1
-1/2" THERMAL BARRIER
-METAL DECKING; SEE STRUCT.
-2" FURRING PERPENDICULAR TO FLUTES; SEE DETAILS
-WEATHER BARRIER-1
-1X CEDAR FURRING
-PLYWOOD SOFFIT; SEE DETAILS
-FINISH PER SCHEDULE

** NOTE: STRUCTURAL SHOWS OUTLOOKER Z FRAMING AT EAVES WITHIN INSULATION LAYER, MEMBERS ARE ALSO REQUIRED FOR ENTIRE ROOF AREA TO SUPPORT FINISHED ROOF PANELS.

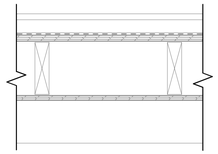
ROOF ASSEMBLIES - EXISTING (SECTION)



1E
EXISTING ROOF ASSEMBLY-TYPE 1E V.I.F.
-EXISTING METAL ROOFING SYSTEM
-EXISTING ROOF UNDERLAYMENT
-EXISTING 14 GA COIL STRAP AT 8" O.C.; CONTINUOUS STRAP TO EDGE OF EAVE (NOT SHOWN)
-EXISTING PLYWOOD SHEATHING
-EXISTING COMPOSITE ROOF PANELS
-EXISTING VAPOR RETARDER
-EXISTING METAL ROOF DECK
-EXISTING STRUCT. SUPPORT
-EXISTING FASTENERS; STICK PINS 24" EA WAY
-EXISTING SEMI RIGID INSULATION

NOTE:
EXTENTS OF SEMIRIGID INSULATION ON STICK PINS UNKNOWN. VERIFY IN FIELD. LIKELY
EXISTING LOCATIONS BELOW:

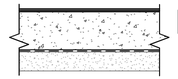
EXISTING REFERENCE	EX RM 118
EXISTING YOUNG ADULT READING	EX RM 119
EXISTING ADULT READING 2	EX RM 120
EXISTING ADULT READING 1	EX RM 123
EXISTING BOOK STACKS	EX RM 127



2E
EXISTING ROOF ASSEMBLY-TYPE 2E V.I.F.
-EXISTING METAL ROOFING SYSTEM
-EXISTING ROOF UNDERLAYMENT
-EXISTING 3/4" PLYWOOD; SEE STRUCT.
-EXISTING 2X6 AT 16" O.C.
-EXISTING 1/2" PLYWOOD; SEE STRUCT.
-EXISTING STRUCT. SUPPORT; SEE STRUCT.

FLOOR ASSEMBLIES - NEW (SECTION)

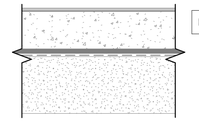
NOTE: SEE GENERAL ASSEMBLY NOTES FOR MORE INFORMATION



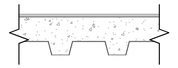
F4
TYPICAL FLOOR AT FIRST LEVEL ADDITION
-FINISH PER SCHEDULE
-CAST-IN-PLACE CONCRETE, SEE STRUCT.
-VAPOR RETARDER-3
-COMPACTION LAYER; SEE CIVIL

F5
METAL GRATING
-1 1/2" METAL GRATING
-SUPPORT PER STRUCT.

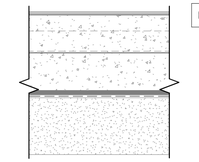
FLOOR ASSEMBLIES - EXISTING (SECTION)



F1e
TYPICAL EXISTING FLOOR-FIRST LEVEL V.I.F.
-NEW FINISH PER SCHEDULE
-EXISTING CAST-IN-PLACE CONCRETE
-EXISTING PROTECTION BOARD
-EXISTING SHEET MEMBRANE WATER PROOFING
-EXISTING 6" SAND BED; V.I.F.



F2e
TYPICAL EXISTING FLOOR-SECOND LEVEL V.I.F.
-EXISTING CAST-IN-PLACE CONCRETE
-EXISTING METAL DECK



F3e
EXISTING FLOOR W/ RACEWAY-FIRST LEVEL V.I.F.
-NEW FINISH PER SCHEDULE
-EXISTING CAST-IN-PLACE CONCRETE
-EXISTING UNDERFLOOR RACEWAY; SEE ELEC. FOR LAYOUT
-EXISTING PROTECTION BOARD
-EXISTING SHEET MEMBRANE WATER PROOFING
-EXISTING 6" SAND BED; V.I.F.

GENERAL ASSEMBLY NOTES

1. REFER TO DRAWINGS AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. WHERE TWO DIFFERING WALL TYPES OCCUR IN THE SAME WALL PLANE, ADJUST THE STUD WALL LOCATION AS NECESSARY TO ALIGN THE FACE OF FINISH, UNLESS NOTED OTHERWISE.
3. GWB TO BE MOLD RESISTANT THROUGHOUT
4. AT ALL NEW INTERIOR PARTITIONS, SEAL TOP AND BOTTOM OF PARTITION AND AT PENETRATIONS TO PREVENT AIR TRANSFER THROUGH WALL TO ADJACENT SPACES.
5. AT ALL NEW INTERIOR PARTITIONS, SEAL ELEC. & MECH. WALL BOXES (INCLUDING BUT NOT LIMITED TO OUTLETS, DATA, JUNCTION BOXES, & THERMOSTATS) W/ INTUMESCENT PUTTY PADS TO PREVENT AIR TRANSFER THROUGH WALL TO ADJACENT SPACES.
6. PROVIDE BLOCKING FOR ALL WALL SUPPORTED ELEMENTS, INCLUDING SHELVING, CASEWORK, ARTWORK, AND OTHER ITEMS AS INDICATED IN PLAN OR ELEVATION. CONTINOUS PLYWOOD BACKING CAN BE PROVIDED AS AN ALTERNATIVE AT WALLS WITH WALLMOUNTED ITEMS.
7. PROVIDE SHEATHING WHERE INDICATED ON STRUCTURAL AND ARCHITECTURAL DRAWINGS.
8. WHERE NEW MEETS EXISTING, REMOVE SUFFICIENT MATERIAL TO OVERLAP & TAPE INFILTRATION BARRIER AND/OR VAPOR RETARDER @ LEAST 6" @ PERIMETER OF EXISTING WALL OR SLAB.
9. EXISTING ASSEMBLIES ARE FOR REFERENCE ONLY AND ARE BASED ON ORIGINAL CONSTRUCTION DRAWINGS. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS.
10. WHERE WEATHER BARRIER-1 IS INDICATED WITHIN EXTERIOR WALL ASSEMBLY TYPES W5, W5s, w6, W6s AND W7, THE CONTRACTOR MAY USE WEATHER BARRIER-2 PRODUCTS IN LIEU OF WEATHER BARRIER-1 AS LONG AS PRODUTS ARE INSTALLED PER BEST PRACTICES AND MANUFACTUER'S RECOMENDATION TO MAINTAIN WEATHER PROTECTION.

ASSEMBLY KEY

WALL/PARTITION TYPE SYMBOL

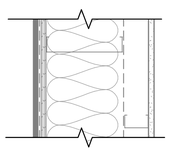
A1 — WALL/PARTITION TYPE INDICATOR**
C — WALL/PARTITION HEIGHT INDICATOR*

*ALL PARTITIONS EXTEND TO BASE OF DECK UNLESS NOTED OTHERWISE.
(SEE 9/A11.2 FOR TOP OF WALL ACOUSTIC DETAILS).
**AT LOCATIONS WHERE EXISTING WALLS ARE TAGGED (NOTED W/ AN "e"), CONTRACTOR TO VERIFY WALL/PARTITION TYPE AND HEIGHT.

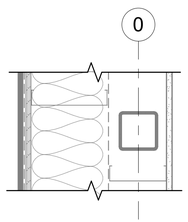
PARTITION HEIGHT LEGEND

C - PARTITION TO EXTEND 6" ABOVE:
HIGHEST ADJACENT CEILING (INTERIOR PARTITIONS) OR
HIGHEST ADJACENT SOFFIT (EXTERIOR WALLS)
E - PARTITION TO EXTEND TO UNDERSIDE OF EXISTING ROOF (SEE BUILDING SECTIONS)
S - HEIGHT VARIES; SEE SECTION DETAIL
P - PARTIAL HEIGHT - SEE ELEVATIONS

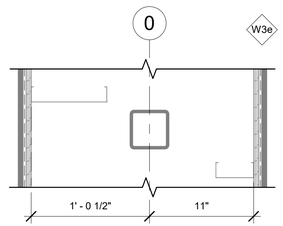
EXTERIOR WALL ASSEMBLIES - EXISTING (PLAN)



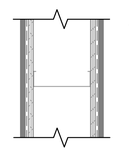
W1e
EXISTING EXTERIOR WALL-TYPE 1 V.I.F.
-NEW FINISH PER SCHEDULE
-EXISTING 5/8" GWB
-EXISTING 2 1/2" METAL STUD FRAMING, STAGGERED FROM 8" METAL STUD FRAMING
-EXISTING VAPOR RETARDER
-EXISTING 1/4" AIR GAP
-EXISTING 8" METAL STUD FRAMING
-EXISTING BATT INSULATION AGAINST EXTERIOR FACE OF CAVITY
-EXISTING 3/4" PLYWOOD SHEATHING
-EXISTING AIR INFILTRATION BARRIER
-EXISTING EXTERIOR SIDING
-NEW FINISH PER SCHEDULE



W2e
EXISTING EXTERIOR WALL-TYPE 2 V.I.F.
-NEW FINISH PER SCHEDULE
-EXISTING 5/8" GWB
-EXISTING 6" METAL STUD FRAMING, STAGGERED FROM 8" METAL STUD FRAMING
-EXISTING VAPOR RETARDER
-EXISTING 1/4" AIR GAP
-EXISTING 8" METAL STUD FRAMING
-EXISTING BATT INSULATION AGAINST EXTERIOR FACE OF CAVITY
-EXISTING 3/4" PLYWOOD SHEATHING
-EXISTING AIR INFILTRATION BARRIER
-EXISTING EXTERIOR SIDING
-NEW FINISH PER SCHEDULE

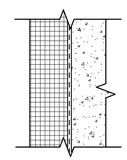


W3e
EXISTING EXTERIOR WALL-TYPE 3 V.I.F.
-NEW FINISH PER SCHEDULE
-EXISTING EXTERIOR SIDING
-EXISTING AIR INFILTRATION BARRIER
-EXISTING 3/4" PLYWOOD SHEATHING
-EXISTING 4" METAL STUD FRAMING, STAGGERED FROM 8" METAL STUD FRAMING
-EXISTING 8" METAL STUD FRAMING
-EXISTING 3/4" PLYWOOD SHEATHING
-EXISTING AIR INFILTRATION BARRIER
-EXISTING EXTERIOR SIDING
-NEW FINISH PER SCHEDULE



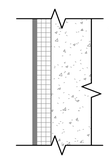
W4e
EXISTING EXTERIOR WALL-TYPE 4 V.I.F.
-NEW FINISH PER SCHEDULE
-EXISTING EXTERIOR SIDING
-EXISTING AIR INFILTRATION BARRIER
-EXISTING 3/4" PLYWOOD SHEATHING
-EXISTING 6" METAL STUD FRAMING
-EXISTING 3/4" PLYWOOD SHEATHING
-EXISTING AIR INFILTRATION BARRIER
-EXISTING EXTERIOR SIDING
-NEW FINISH PER SCHEDULE

FOUNDATION ASSEMBLY - NEW (PLAN)



B2
NEW EXTERIOR WALL-FOUNDATION
-CONCRETE FOUNDATION; SEE STRUCT.
-WATER PROOFING MEMBRANE
-4" RIGID INSULATION

FOUNDATION ASSEMBLY - EXISTING (PLAN)



B1e
EXISTING EXTERIOR WALL-FOUNDATION V.I.F.
-EXISTING FOUNDATION; SEE STRUCT.
-EXISTING 1 1/2" RIGID INSULATION
-EXISTING PROTECTION BOARD

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A0.3

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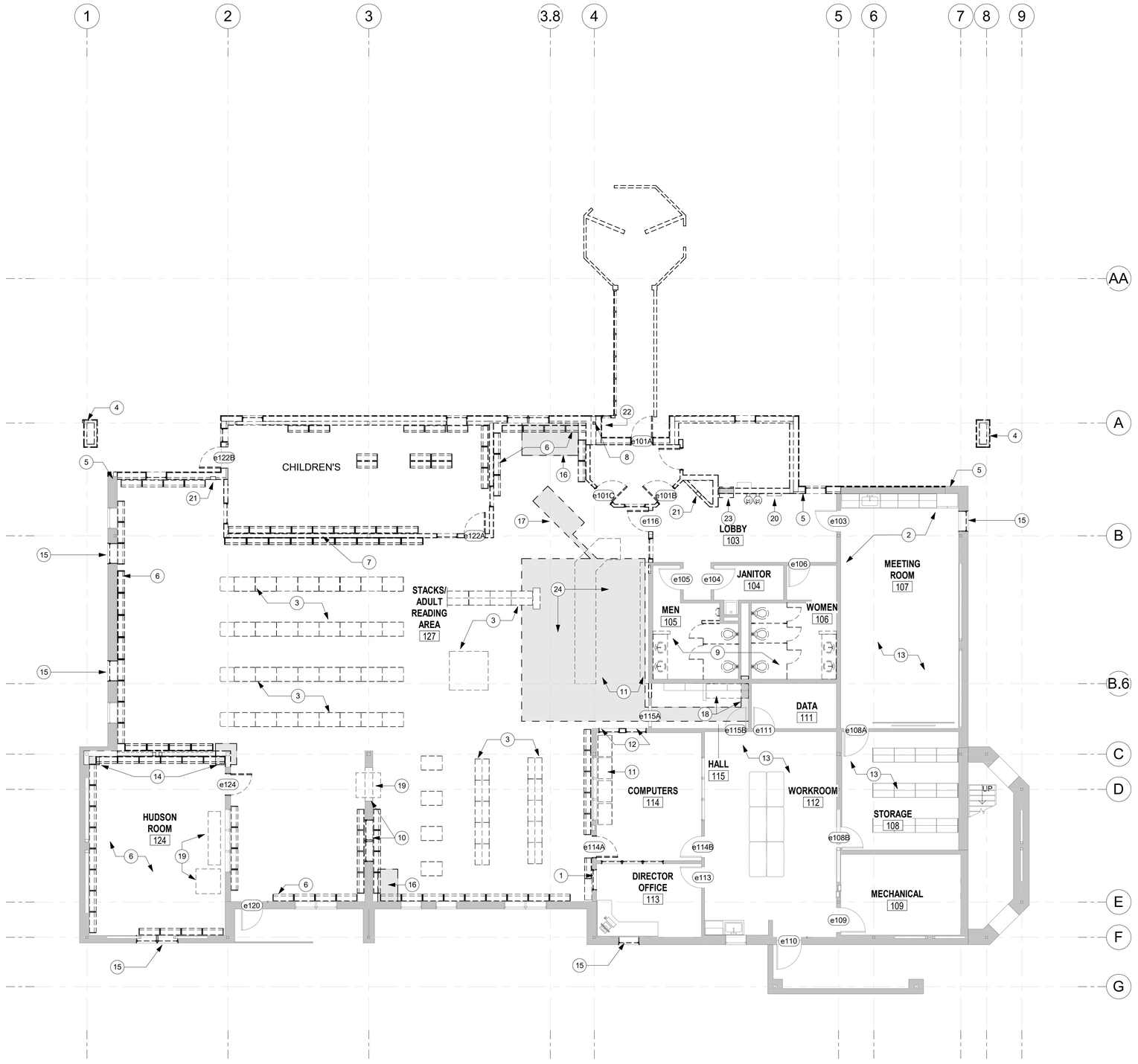

1 DEMOLITION PLAN
1/8" = 1'-0"

PLAN NORTH
TRUE NORTH

GENERAL NOTES-DEMOLITION

A. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION ON DEMOLITION WORK AND DEFINITIONS OF TERMS USED ON DEMOLITION PLANS.
B. SEE FINISH SCHEDULE FOR LOCATIONS THAT RECEIVE NEW FLOORING AND BASE.
C. AT ALL SLAB DEMO LOCATIONS, PRESERVE & PROTECT EXISTING VAPOR RETARDER FOR TIE IN W/ NEW VAPOR RETARDER
D. PROTECT ALL INTERIOR SPACES FROM WEATHER INTRUSION DURING DEMOLITION ACTIVITIES AND THROUGHOUT CONSTRUCTION. ANY AND ALL NEW WEATHER RELATED DAMAGE SHALL BE REPAIRED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.
E. TAKE CARE TO PROTECT EXISTING FINISHES NOT IDENTIFIED FOR DEMOLITION FROM DAMAGE DURING DEMO ACTIVITIES.
F. WALL AND CEILING MOUNTED ITEMS NOT IDENTIFIED FOR DEMOLITION SHALL BE SALVAGED FOR OWNER REVIEW AND APPROVAL PRIOR TO DISPOSAL
G. DEMO DOORS WITHIN WALLS IDENTIFIED FOR DEMO
H. SEE CIVIL DOCUMENTS FOR SITE DEMOLITION
SEE STRUCTURAL DOCUMENTS FOR STRUCTURAL DEMOLITION
SEE MECHANICAL DOCUMENTS FOR MECHANICAL DEMOLITION
SEE ELECTRICAL DOCUMENTS FOR ELECTRICAL DEMOLITION

(#)	KEY NOTES - DEMOLITION PLAN
Note Number	Note Text
1	REMOVE EXISTING WINDOW AND PREPARE FOR INFILL TO MATCH ADJACENT WALL
2	EXISTING FINISHES & CASEWORK TO REMAIN
3	REMOVE, SALVAGE AND PROTECT ALL FREESTANDING BOOK STACKS FOR REFURBISHMENT INCLUDING THOSE NOT SHOWN IN PLAN
4	REMOVE EXTERIOR COLUMN WRAP, COLUMN TO REMAIN AS PART OF NEW INTERIOR, SEE STRUCTURAL
5	COORDINATE EXTENT OF DEMO WITH NEW WORK
6	REMOVE AND SALVAGE PERIMETER BOOK SHELVING FOR POTENTIAL REUSE, TYPICAL
7	REMOVE WALL AND SEE STRUCTURAL FOR DEMO OF STRUCTRUAL BRACE
8	COLUMN TO BE REMOVED, SEE STRUCTURAL
9	REMOVE TOILET PARTITIONS, VANITY, WALL COVERINGS, FLOORING, ACCESSORIES (EXCLUDING PAPER TOWEL DISPENSER), AND OTHER WALL MOUNTED ITEMS
10	REMOVE WINDOW AND PREPARE FOR NEW FIREPLACE
11	REMOVE EXISTING CASEWORK, FLOOR MOUNTED (AND WALL MOUNTED AT CIRCULATION DESK)
12	REMOVE WINDOW AND EXISTING OPENING TO PREPARE FOR NEW RELITE WINDOW
13	PROTECT FLOOR AND WALL FINISHES TO REMAIN
14	REMOVE SLAB AT FOOTINGS NOTED & WALL BRACE (SEE STRUCT.); DEMO WALL AS NECESSARY WHILE MAINTAINING EXISTING VAPOR RETARDER
15	REMOVE EXISTING WINDOW TO BE REPLACED WITH NEW OPERABLE WINDOW
16	REMOVE SLAB AT LOCATION NOTED, SEE STRUCTURAL
17	CUT AND REMOVE SLAB AT NEW SECURITY SYSTEM LOCATION; COORDINATE WITH ARCHITECT FOR DEMO EXTENTS BASED ON PRODUCT (TBD)
18	REMOVE SLAB AS NOTED FOR MECH WORK, SEE MECH., REMOVE CASEWARK AS NEEDED & PROTECT FOR REINSTALL; CONFIRM THAT PROPOSED TRENCH DOES NOT CONFLICT W/ EXISTING ELEC. MAIN DUCT LINE TO DATA ROOM
19	REMOVE, SALVAGE, STORE & PROTECT FREE STANDING DISPLAY CASES; COORDINATE W/ OWNER
20	REMOVE AND SALVAGE WATER BOTTLE FILLER & HAND OVER TO OWNER
21	REMOVE AND SALVAGE FIRE EXTINGUISHER & HAND OVER TO OWNER
22	REMOVE & PROTECT SURFACE MOUNTED METAL DEDICATION PLACARD; COORDINATE W/ ARCHITECT
23	REMOVE SLAB FOR FLOOR CLEANOUT WORK, SEE MECH; COORD. W/ MECH. & ARCHITECTURAL BEFORE PROCEEDING
24	REMOVE SLAB FOR ELECTRICAL WORK, SEE ELEC; COORD. W/ ELEC. & ARCHITECTURAL BEFORE PROCEEDING

LEGEND-DEMOLITION

DEMOLISHED WALL

EXISTING WALL TO REMAIN

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FIRST FLOOR PLAN-EXISTING & DEMO

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A1.1

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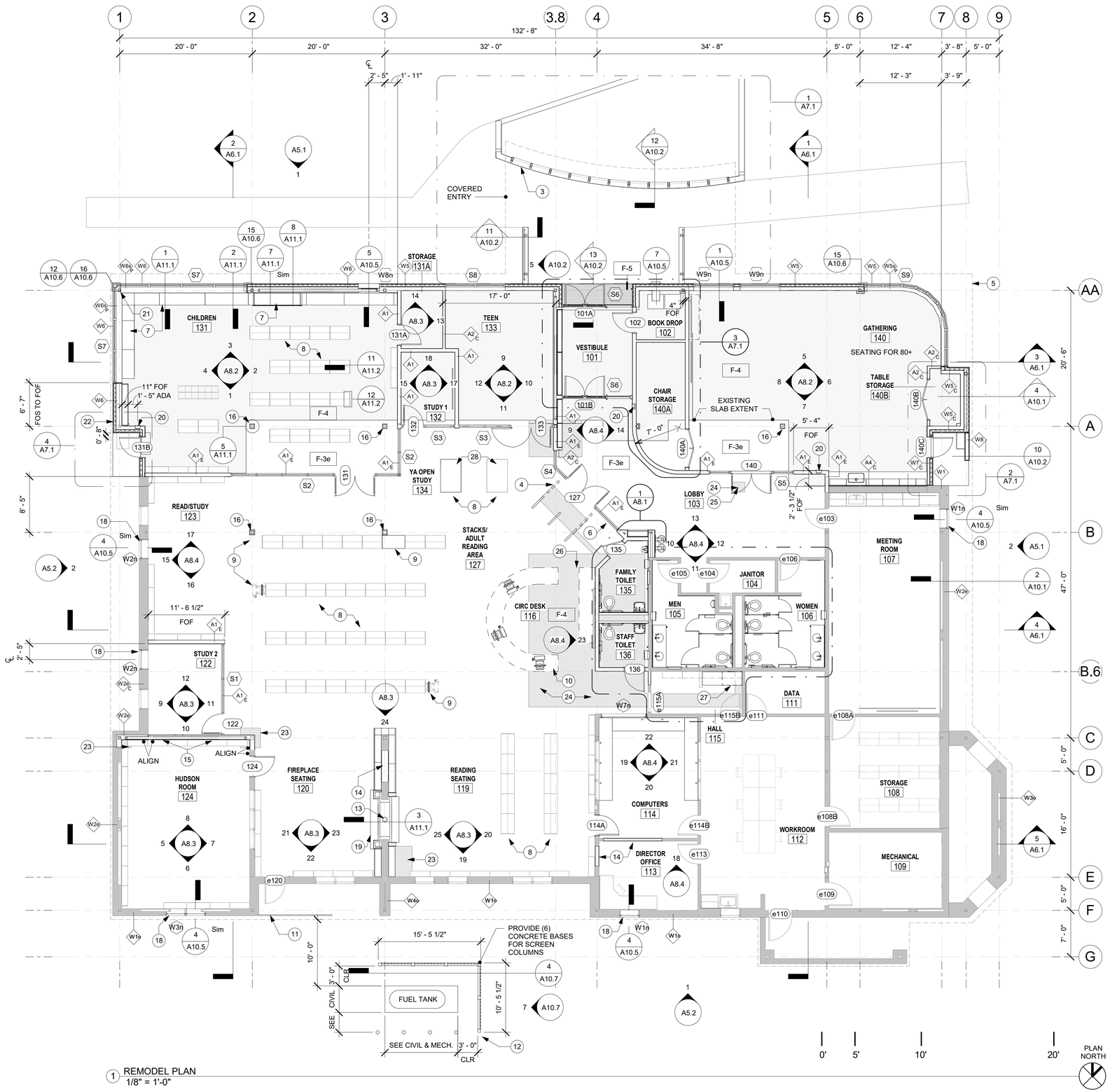

1 REMODEL PLAN
1/8" = 1'-0"

GENERAL NOTES-CONSTRUCTION

A. DRAWINGS ARE BASED ON ORIGINAL CONSTRUCTION DRAWINGS, BRIEF FIELD OBSERVATIONS, AND PHOTOS. IF DISCREPANCIES ARE FOUND BETWEEN DRAWINGS AND FIELD VERIFIED CONDITIONS, NOTIFY ARCHITECT AND OWNER IMMEDIATELY.
B. ALL DIMENSIONS ARE TO GRID LINE, FACE OF FRAMING, OR CENTERLINE OF STRUCT. COLUMNS UNLESS NOTED OTHERWISE. "CLR" (MIN CLEAR DIM) AND "FOF" (FACE OF FINISH) REFERS TO FACE OF FINISH EACH SIDE UNO. SEE ENLARGED PLANS, ELEVATIONS, AND DETAILS FOR ADDITIONAL DIMENSIONS.
C. AT SLAB DEMO AREAS, PRESERVE PERIMETER OF EXISTING VAPOR RETARDER & TIE INTO NEW UNDER SLAB VAPER RETARDER USING MFR RECOMMENDED SEALANT.
D. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS AND/OR CEILINGS.
E. REFER TO INTERIOR ELEVATIONS, FINISH PLAN, AND STACKS/SHELVING PLAN FOR ADDITIONAL INFORMATION ON LIBRARY SHELVING.
F. SEE MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION ON PLUMBING FIXTURES.
G. COORDINATE WITH MECHANICAL AND STRUCTURAL FOR FLOOR DRAIN LOCATIONS AND SLOPES.
H. DOOR ROUGH OPENINGS SHALL BE LOCATED 6" FROM ADJACENT WALL FINISH UNLESS NOTED OTHERWISE.
I. DO NOT, UNDER ANY CIRCUMSTANCE, ATTACH ANYTHING TO OR PENETRATE THROUGH THE EXTERIOR STOREFRONT SYSTEM.
J. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT.

(#)	KEY NOTES - CONSTRUCTION PLAN
Note Number	Note Text
1	NEW OPERABLE WINDOW IN EXISTING WALL SIZED TO MATCH ADJACENT EXISTING WINDOWS
2	REMOVE EXISTING CARPET AT LOCATION OF NEW WALL
3	TUBE STEEL FRAME (SEE STRUCTURAL) AND OFCI SCREEN ELEMENTS.
4	THEFT DETECTION SYSTEM, OFOI. CONTRACTOR PROVIDE ROUGH IN INCLUDING REMOVAL OF EXISTING SLAB, NEW CONCRETE WITH FIBERGLASS REBAR (NO METAL), AND ELECTRICAL IN SLAB CONDUIT WILL PULL TO WALL, AND CEILING WITH J-BOX ABOVE CEILING. VERIGY ROUGH IN REQUIREMENTS WITH OWNER FURNISHED PRODUCTS.
5	DASH LINE INDICATES EDGE OF ROOF ABOVE
6	LIBRARY ACCESSORY: PASSPORT PHOTO SCREEN (LA-1) LOCATION, SEE FINISH LEGEND
7	LOW BENCH SEE ELEVATIONS AND DETAILS
8	NEW END PANEL ON SALVAGED STACKS, TYPICAL ALL STACKS HIGH AND LOW
9	OFOI KIOSK TABLE WITH AND WITHOUT COMPUTER LOOKUP, SEE ELECTRICAL FOR COORDINATION
10	CIRCULATION DESK NIC, CONTRACTOR TO COORDINATE POWER/DATA LOCATIONS WITH OWNER'S FURNISHINGS
11	EXISTING WINDSCREEN WALL TO REMAIN
12	NEW PROPANE FUEL TANK FOR FIREPLACE (SEE MECH), BOLLARDS AND CONCRETE PAD (SEE CIVIL), WOOD SCREEN FASTENED TO (6) POSTS W/ CONCRETE BASES (SEE DETAILS)
13	DOUBLE SIDED FIREPLACE
14	INFILL, PATCH, AND PAINT TO MATCH EXISTING ADJACENT WALL
15	MATCH EXISTING WALL ASSEMBLY WHERE DEMO OF WALL IS REQUIRED FOR NEW BRACE (SEE STRUCT.)
16	EXISTING COLUMN LOCATION TO REMAIN, WRAP WITH FURING AND GWB. SEE DETAILS FOR ART INSTALL AT CHILDRENS WEST COLUMN
17	TUNA SANDWICH DETECTION SYSTEM OFCI
18	NEW OPERABLE WINDOW IN EXISTING LOCATION SIZED TO MATCH ADJACENT EXISTING WINDOWS
19	REMOVABLE ACCESS PANEL FOR FIREPLACE PROPANE SHUTOFF - SEE INTERIOR ELEVATIONS AND COORIDINATE WITH PRODUCT REQUIREMENTS
20	NEW RECESSED FIRE EXTINGUISHER CABINET & FIRE EXTINGUISHER
21	EXPOSED PAINTED STEEL COLUMN; SEE STRUCT. FOR LOCATION
22	ALIGN EXTERIOR FACE OF NEW WALL WITH EXTERIOR FACE OF EXISTING WALL
23	NEW CONCRETE AT NEW FOOTING; SEE STRUCT.
24	NEW CONCRETE AT MECH. AND/OR ELEC. TRENCHING LOCATIONS; SEE STRUCT., MECH., AND ELEC.
25	NEW UNDERSLAB TRAP CLEANOUT LOCATION, SEE MECH.; LOCATION BASED ON EXISTING UNDERSLAB PLUMBING, VIF
26	EXTENTS OF TRENCHING AND NEW CONCRETE BASED ON EXISTING UNDERSLAB ELEC. CHASE, VIF; SEE ELEC.
27	REMOVE EXISTING COUNTERTOP AND BASE CABINETS TO TRENCH ANDCOMPLETE UNDERLAB MECH WORK; REINSTALL EXISTING CASEWORK AT SAME LOCATION
28	CUSTOM TOPS ACROSS 4 BOOK CASE RECTANGLE

LEGEND-CONSTRUCTION

NEW WALL; SEE ASSEMBLIES

EXISTING WALL

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FIRST FLOOR PLAN-REMODEL & ADDITION

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A2.1

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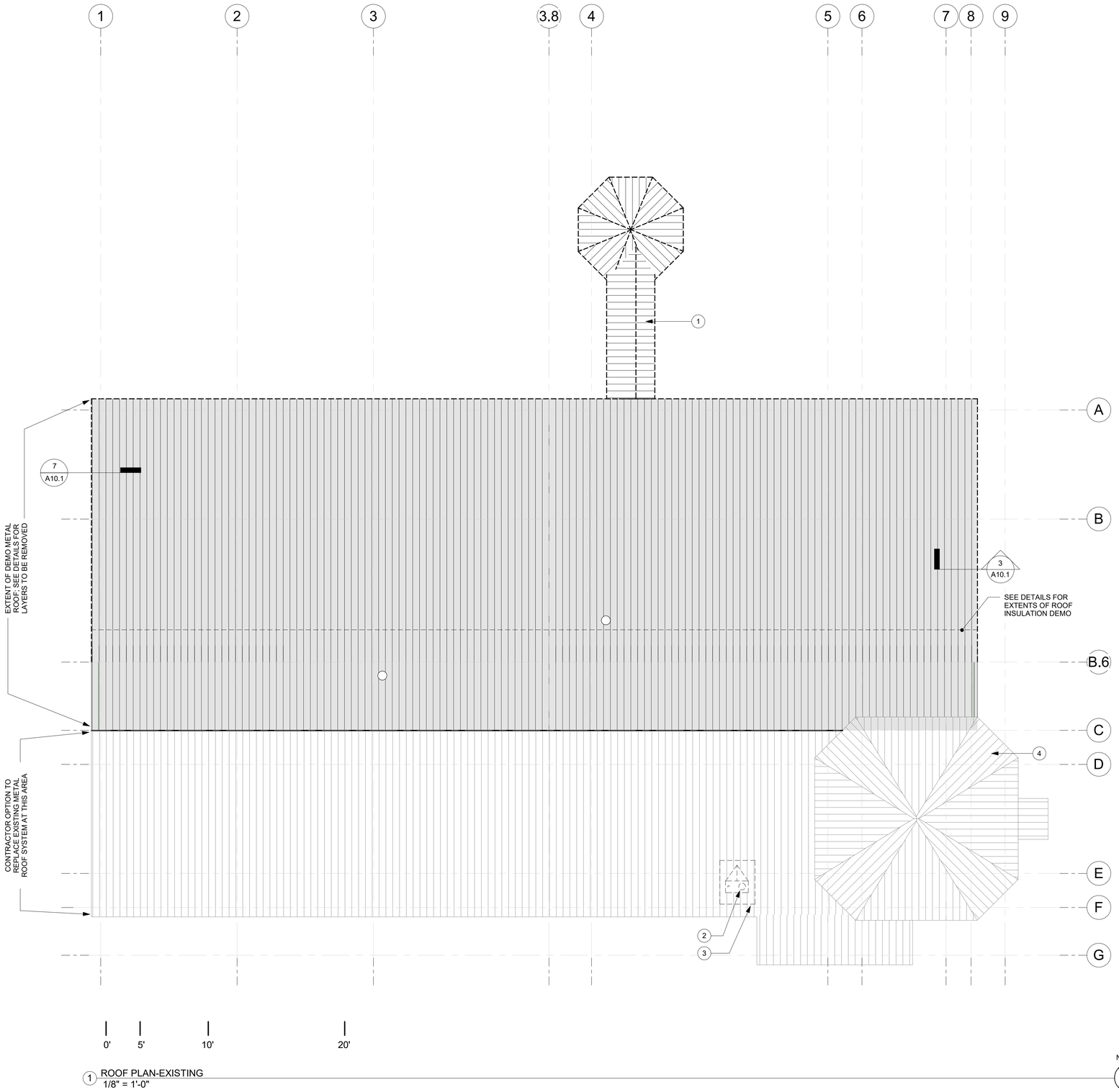

1 ROOF PLAN-EXISTING
1/8" = 1'-0"

GENERAL NOTES- ROOF DEMO

A. PROTECT ALL AREAS OF INTERIOR SPACE AND EXPOSED INSULATION FROM WEATHER INTRUSION OR DAMAGE DURING DEMOLITION ACTIVITIES.

(#) KEY NOTES - DEMOLITION ROOF PLAN	
Note Number	Note Text
1	DEMO AND REMOVE ENTRY PATH ROOF AND OCTAGON ELEMENT ROOF
2	DEMO EXISTING VENT AND CURB, PREPARE LOCATION FOR NEW EXPANDED CURB AND TWO VENTS
3	REMOVE SUFFICENT PORTION OF EXISTING ROOF METAL TO INSTALL NEW CURB PER DETAILS
4	MECHANICAL LOFT ROOF EXISTING TO REMAIN

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ROOF PLAN-EXISTING & DEMO

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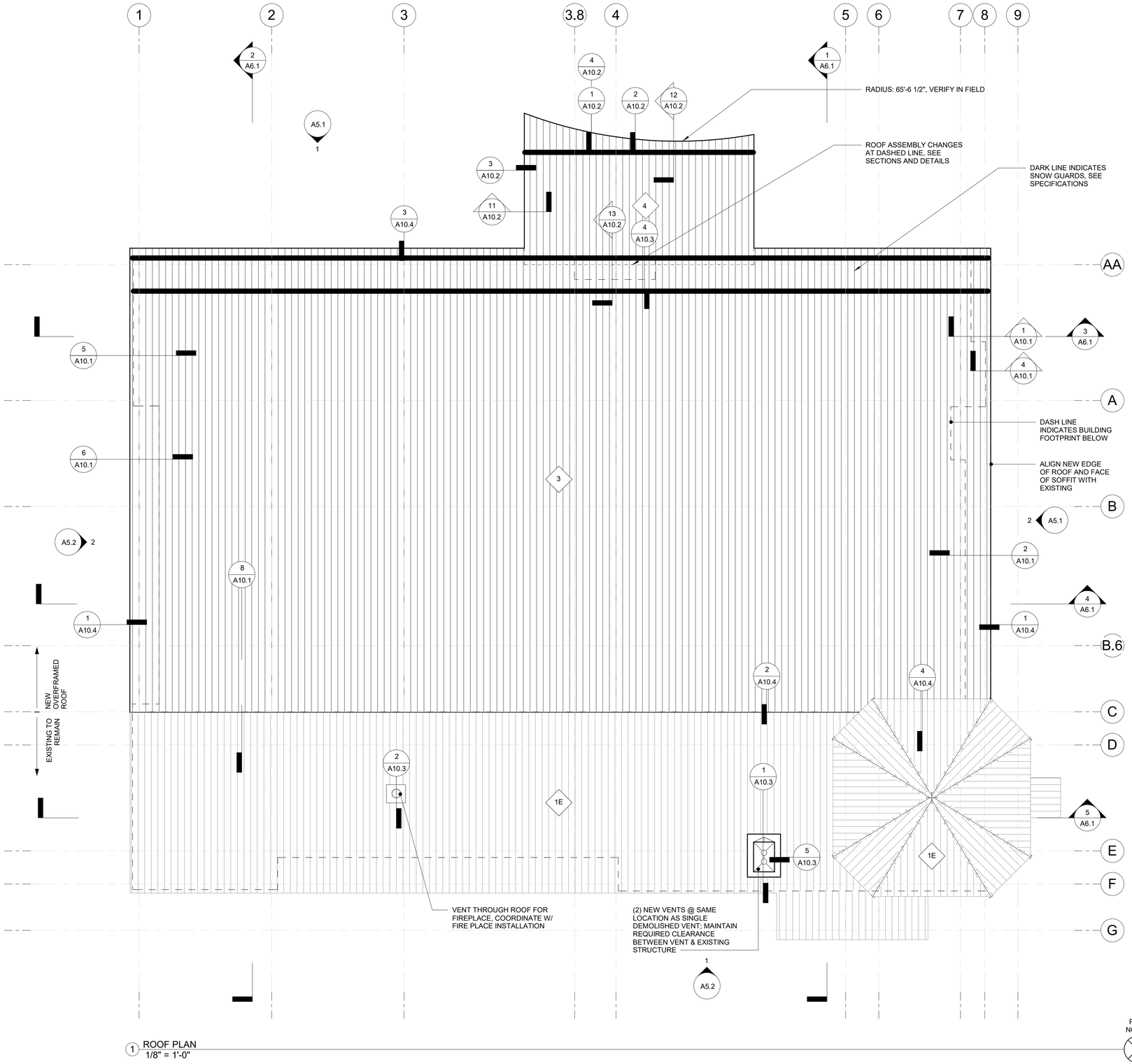

1 ROOF PLAN
1/8" = 1'-0"

GENERAL NOTES- ROOF CONSTRUCTION

A. PROTECT ALL AREAS OF INTERIOR SPACE AND EXPOSED INSULATION FROM WEATHER INTRUSION OR DAMAGE DURING CONSTRUCTION.

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A3.2

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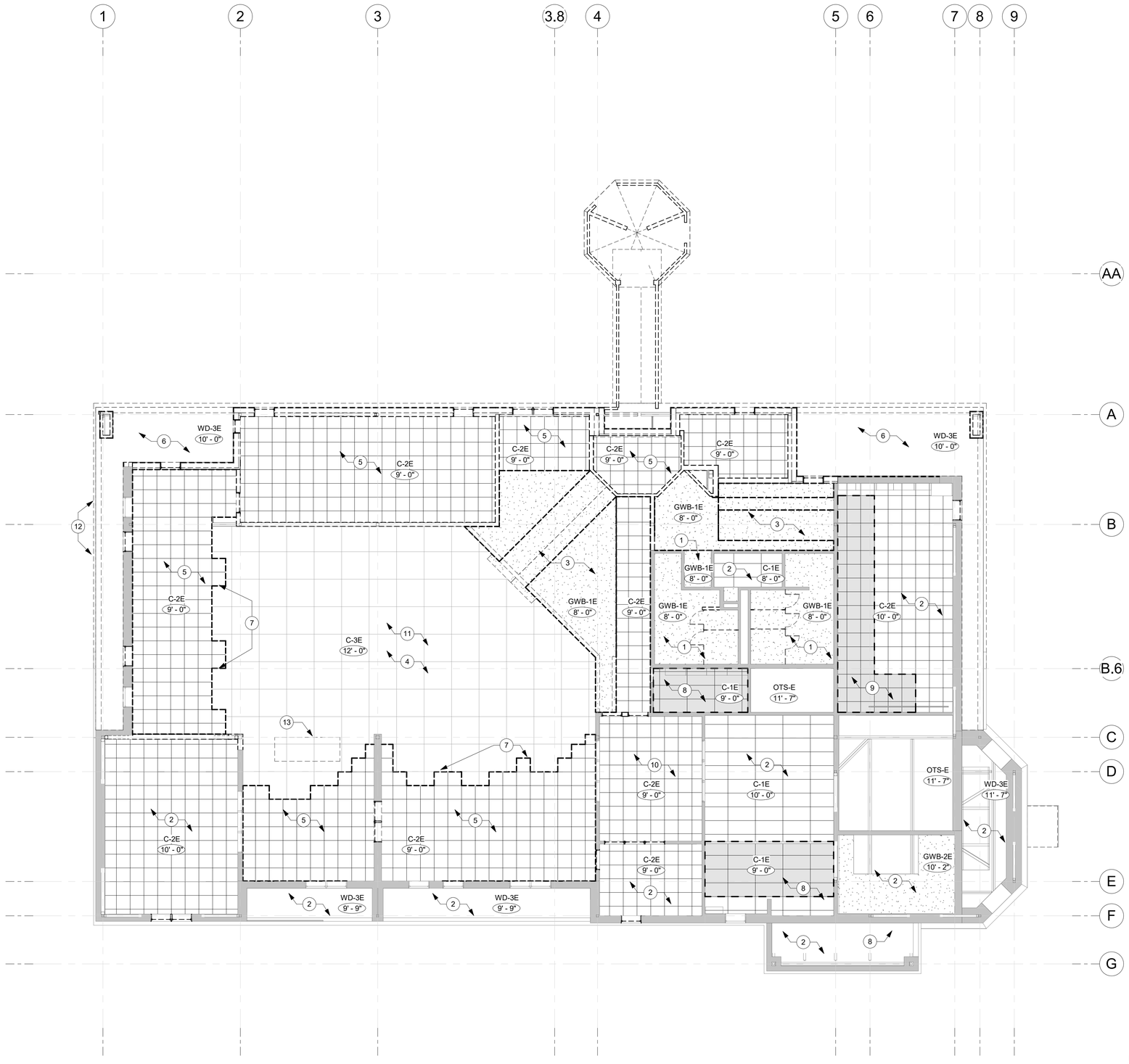

1 REFLECTED CEILING PLAN-DEMOLITION
1/8" = 1'-0"

PLAN NORTH
TRUE NORTH

GENERAL NOTES-RCP DEMOLITION

A. SEE MECHANICAL AND ELECTRICAL DOCUMENTS FOR ADDITIONAL ITEMS NOT SHOWN.
B. SEE EXTENTS OF NEW WORK FOR ACCURATE TERMINATIONS OF EXTERIOR WALL DEMO
C. REMOVE AND SALVAGE ANY CEILING MOUNTED ITEMS NOT SPECIFICALLY IDENTIFIED FOR DEMOLITION
D. GREY FILL INDICATEDS MAJOR AREAS OF CEILING DEMO. SEE NOTES FOR ADDITIONAL AREAS OF SELECTIVE DEMOLITION.

(#)	KEY NOTES - DEMOLITION RCP
Note Number	Note Text
1	EXISTING GWB CEILING TO REMAIN-PREP FOR PAINT (SEE REMODEL RCP & FINISH SCHED.)
2	EXISTING CEILING TO REMAIN (SEE REMODEL RCP & FINISH SCHED.)
3	DEMO EXISTING CEILING COFFER AND LIGHTING
4	REMOVE EXPOSED INSULATION AND PREPARE CEILING AND ALL EXPOSED ITEMS ABOVE FOR PAINTING
5	DEMO ACT CEILING AREA, SALVAGE TILES AS NEEDED FOR REPAIR IN OTHER AREAS
6	DEMO SOFFIT FINISH FOR ENTIRE AREA AND DEMO FRAMING AS NEEDED FOR REMODEL WORK, SEE EXTERIOR ELEVATIONS AND SECTIONS FOR EXTENTS OF REMODEL
7	NOTE JAGGED PROFILE OF ACT FOR DEMO, FIELD VERIFY FOR ACCURATE SCOPE
8	MODIFY CEILING IN THIS AREA TO ACCOMODATE BOILER EXHAUST, SEE MECHANICAL
9	EXISTING CEILING TO REMAIN, REMOVE AS NEEDED FOR MECH. WORK AND PROTECT FOR REINSTALL
10	EXISTING CEILING GRID TO REMAIN, DEMO AND SALVAGE TILE TO BE USED TO REPAIR OTHER EXISTING AREAS TO REMAIN
11	EXISTING 4X4 GRID TO REMAIN; MODIFY AND/OR PARTIALLY DEMO TO ACCOMODATE NEW FULL HEIGHT WALLS AND CEILINGS
12	ALIGN NEW SOFFIT FRAMING WITH EXISTING SOFFIT FRAMING (SEE EXTERIOR DETAILS & VERIFY IN FIELD).
13	REMOVE, STORE & PROTECT CEILING HUNG OBJECTS; COORDINATE W/ OWNER

RCP LEGEND-DEMO

- DEMO
- REMOVE, PROTECT, & REINSTALL
- 2X4 ACOUSTIC CEILING TILE
- 2X2 ACOUSTIC CEILING TILE
- GYPSUM BOARD CEILING
- WOOD SOFFIT

RCP ABBREVIATIONS

C-1E:	EXISTING ACOUSTIC CEILING TILE; 2X2
C-2E:	EXISTING ACOUSTIC CEILING TILE; 2X4
GWB-1E:	EXISTING GWB CEILING; SUSPENDED
GWB-2E:	EXISTING GWB CEILING; FASTENED DIRECTLY TO STRUCT.
OTS-E:	EXISTING OPEN TO STRUCT.
WD-3E:	EXISTING WOOD SOFFIT; PLYWOOD

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RCP-EXISTING & DEMO

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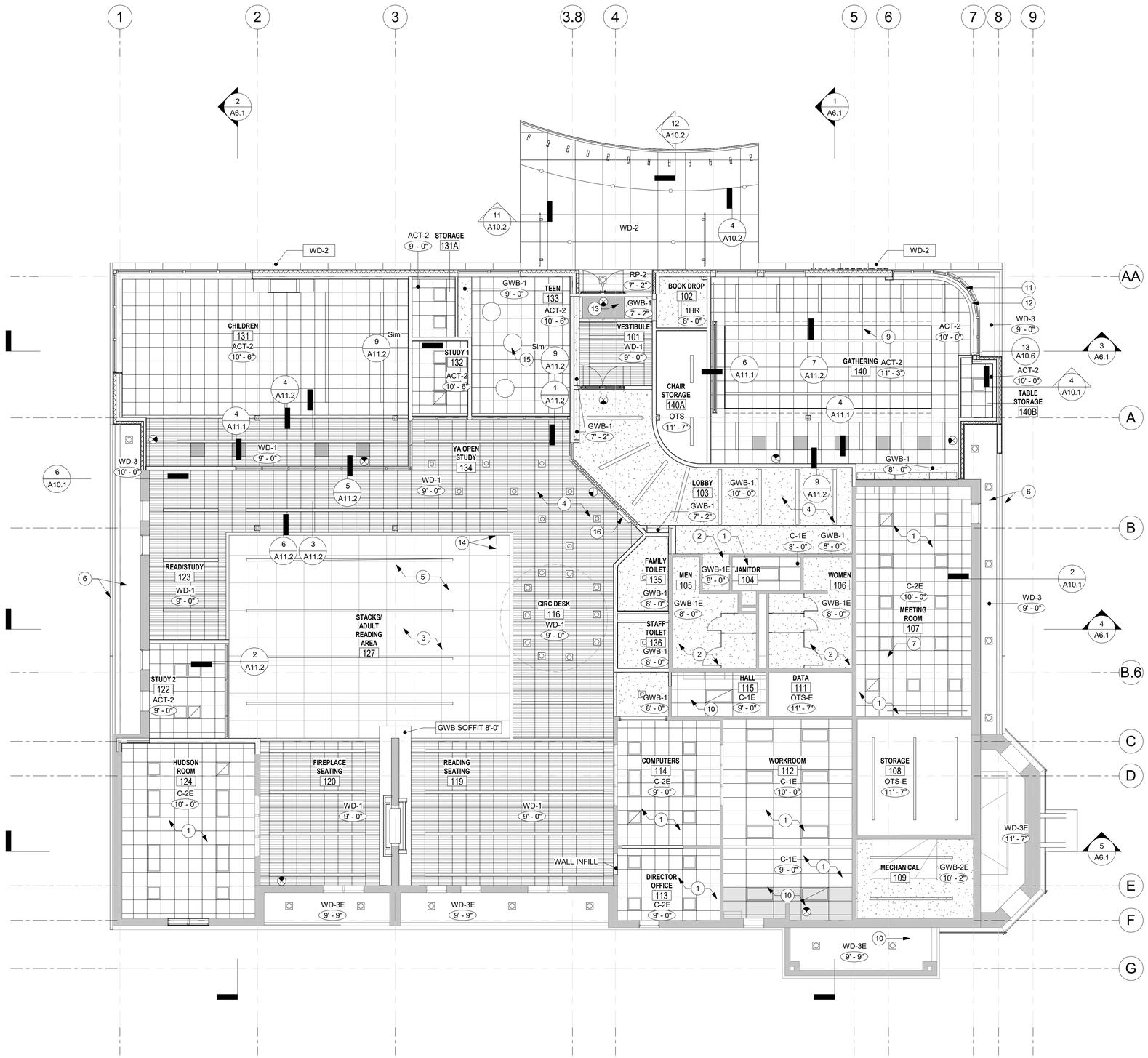

1 REFLECTED CEILING PLAN-REMODEL
1/8" = 1'-0"

GENERAL NOTES-RCP CONSTRUCTION

A. SEE MECHANICAL AND ELECTRICAL DRAWINGS FOR ADDITIONAL ITEMS NOT SHOWN.
B. REFFERENCE ELECTRICAL DRAWINGS FOR LIGHTING FIXTURE TYPES.
C. SEE ELECTRICAL DRAWINGS AND INTERIOR ELEVATIONS FOR WALL-MOUNTED LIGHT FIXTURES AND EXIT SIGN LOCATIONS. (NOT ALL INSTANCES MAY BE SHOWN IN BOTH PLACES).
D. CENTER LIGHT FIXTURES IN ROOM OR CEILING BAY UNLESS NOTED OTHERWISE. CONFIRM ALL LOCATIONS WITH ARCHITECT.
E. CENTER LIGHT FIXTURES, SPRINKLER HEADS, SPEAKERS, GRILLES, ETC. IN CEILING TILE AND IN GWB SOFFIT WIDTH UNLESS NOTED OTHERWISE. CONFIRM ALL LOCATIONS WITH ARCHITECT THROUGH SHOP DRAWING OR OTHER APPROVED COMMUNICATION.
F. CENTER CEILING-MOUNTED DEVICES BETWEEN ADJACENT LIGHT FIXTURES UNLESS NOTED OTHERWISE. CONFIRM WITH ARCHITECT.
G. WHERE DIMENSIONED FIXTURE AND DEVICE LOCATIONS IN WOOD CEILING DO NOT FALL SYMMETRICALLY BETWEEN WOOD SLATS, ADJUST DIMENSION TO NEAREST SLAT MODULE TO MATCH INDICATED DETAILS.
H. DETAIL CUTS INDICATE TYPICAL CONDITIONS U.N.O.
I. CEILING ELEVATIONS DENOTE HEIGHT FROM FINISHED FLOOR TO BOTTOM OF CEILING FINISH.
J. AT EXISTING CEILINGS TO REMAIN, REPLACE DAMAGED AND/OR SOILED TILES WITH SALVAGED TILES
K. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO CEILINGS.
L. FINISH HVAC TERMINALS, WINDOW SHADE POCKETS, SPEAKER GRILLES, ETC. TO MATCH ADJACENT FINISH, UNLESS OTHERWISE NOTED.

#	KEY NOTES - CONSTRUCTION RCP
Note Number	Note Text
1	EXISTING ACT CEILING TO REMAIN, REPLACE DAMAGED TILES WITH SALVAGED TILES
2	EXISTING CEILING TO REMAIN; CLEAN, PREP, AND PAINT (SEE FINISH SCHED)
3	EXISTING 4' GRID AT 12' AFF; CLEAN, PREP, AND PAINT (SEE FINISH SCHED)
4	NOTIFY ARCHITECT DURING SUBMITTAL PROCESS IF NEW CEILING HEIGHTS INTERFERE WITH EXISTING MEP AND/OR STRUCTURE
5	CLEAN AND PAINT ALL EXPOSED STRUCTURE AND MEP ITEMS EXPOSED TO VIEW. (SEE FINISH SCHEDULE)
6	EXISTING SOFFIT FRAMING AND STRUCTURE TO REMAIN; NEW SOFFIT FINISH PER FINISH SCHED, SEE ELEC. FOR LIGHTING
7	NOT USED
9	ALIGN CEILING GRIDS @ CEILIN TRANSITIONS.
10	MODIFY CEILING AS NEEDED TO ACCOMODATE MECH. WORK; SEE MECH.
11	AT CURVED WINDOW, BOX HEADER STRUCTURAL SUPPORTS FOLLOW WINDOW HEAD; SEE DETAILS AND COORD WITH STRUCT. FASCIAS MUST BE CURVED, CONCEALED SUPPORTS MAY BE SEGMENTED
12	MANUAL WINDOW SHADE(S) WS-1, SEE FINISH LEGEND
13	CABINET UNIT HEATER, CENTERED OVER DOOR; SEE MECH.
14	EXTEND EXISTING 4X4 GRID WHERE NEW AREAS ARE EXPOSED. USED SALVAGED MATERIALS FROM DEMO AREAS.
15	ACOUSTIC LIGHT FIXTURES; SEE INTERIOR ELEVATIONS, FINISH LEGEND, & ELEC
16	LIBRARY ACCESSORY: PASSPORT PHOTO SCREEN (LA-1) LOCATION, SEE FINISH LEGEND

RCP LEGEND-CONST.

NOTE: SEE MECHANICAL & ELECTRICAL DRAWINGS FOR MORE INFORMATION

- 2X4 ACOUSTIC CEILING TILE
- 2X2 ACOUSTIC CEILING TILE
- 2x2 TEGULAR WOOD CEILING TILE
- GYPSUM BOARD CEILING
- WOOD SOFFIT
- RESIN SOFFIT
- DIFFUSER, SUPPLY AIR; SEE MECH.
- DIFFUSER, SUPPLY AIR (WD-1 CEILING)
- RETURN AIR; REMOVE SKYRIM FROM BACK OF WD-1 CEILING WHERE NOTED
- DIFFUSER, RETURN AIR; SEE MECH.
- 2X4 LIGHT FIXTURE; SEE ELEC.
- 2X2 LIGHT FIXTURE; SEE ELEC.
- PENDANT, RECESSED, OR WALL MOUNTED LINEAR LIGHT FIXTURE (LENGTH VARIES); SEE ELEC.

RCP ABBREVIATIONS

NOTE: SEE FINISH LEGEND FOR ADDITIONAL INFORMATION.

1HR: NEW RATED 1 HOUR GWB CEILING; SUSPENDED
ACT-1: NEW ACOUSTIC CEILING TILE; 2X4 (NOT USED)
ACT-2: NEW ACOUSTIC CEILING TILE; 2X2
GWB-1: NEW GWB CEILING; SUSPENDED
RP-2: NEW RESIN PANEL CEILING & CANTED RETURN
WD-1: NEW WOOD GRILLE CEILING TILE; 2X2
WD-2: NEW WOOD SOFFIT
WD-3: NEW WOOD SOFFIT; MATCH EXISTING
C-1E: EXISTING ACOUSTIC CEILING TILE; 2X2
C-2E: EXISTING ACOUSTIC CEILING TILE; 2X4
GWB-1E: EXISTING GWB CEILING; SUSPENDED
GWB-2E: EXISTING GWB CEILING; FASTENED DIRECTLY TO STRUCT.
OTS-E: EXISTING OPEN TO STRUCT.
WD-3E: EXISTING WOOD SOFFIT; PLYWOOD

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RCP-REMODEL & ADDITION

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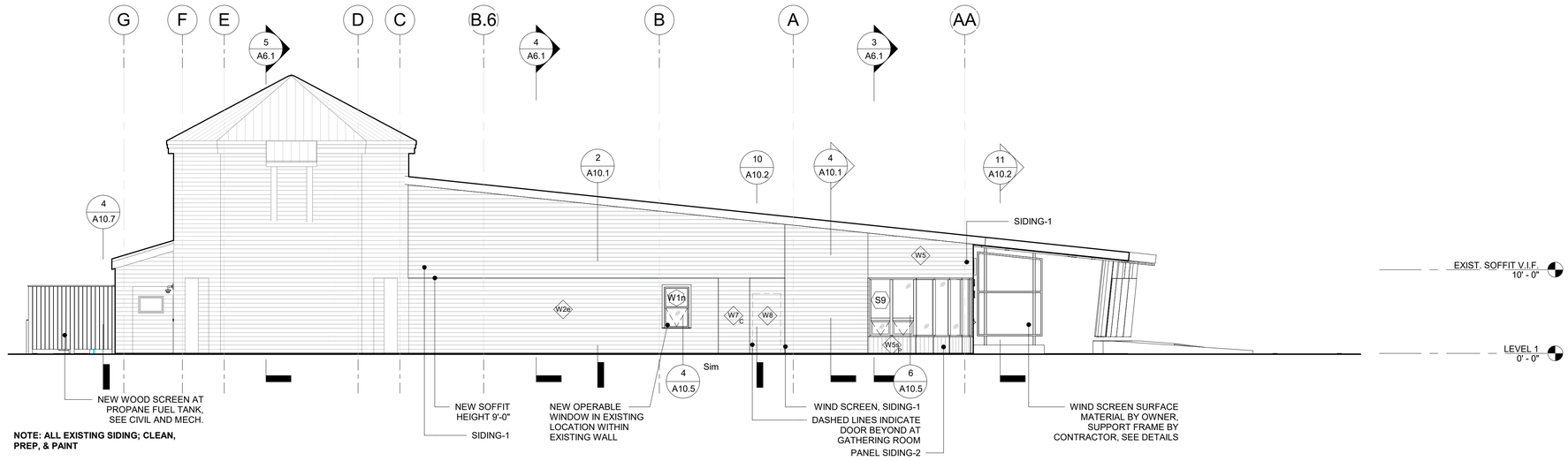
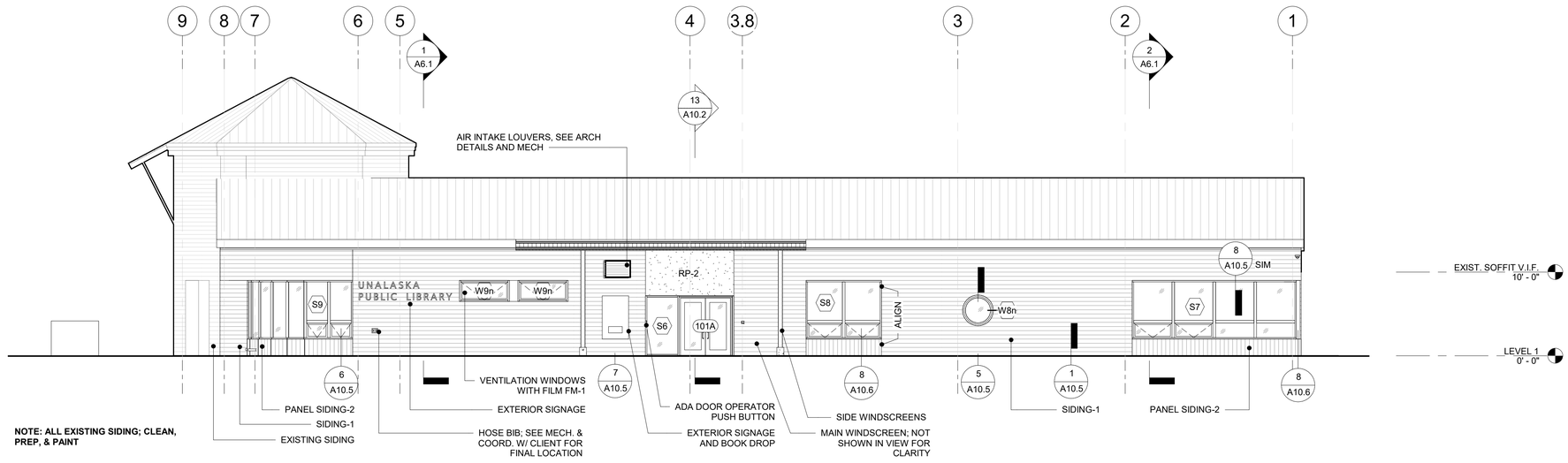
NOTE:
SIDING 1 = HORIZONTAL SIDING
SIDING 2 = VERTICAL SIDING



2 EAST ELEVATION
1/8" = 1'-0"



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

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BRIAN W. WONG
10-1-2021
REGISTERED PROFESSIONAL ENGINEER

EXTERIOR ELEVATIONS

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A5.1

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NOTE:
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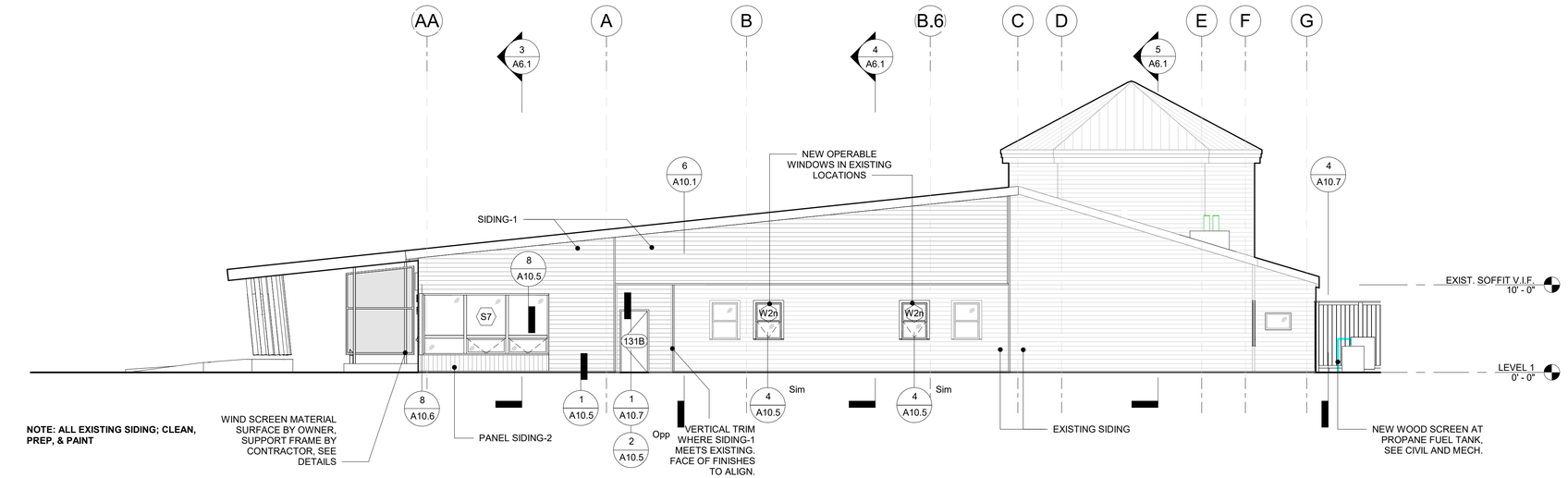
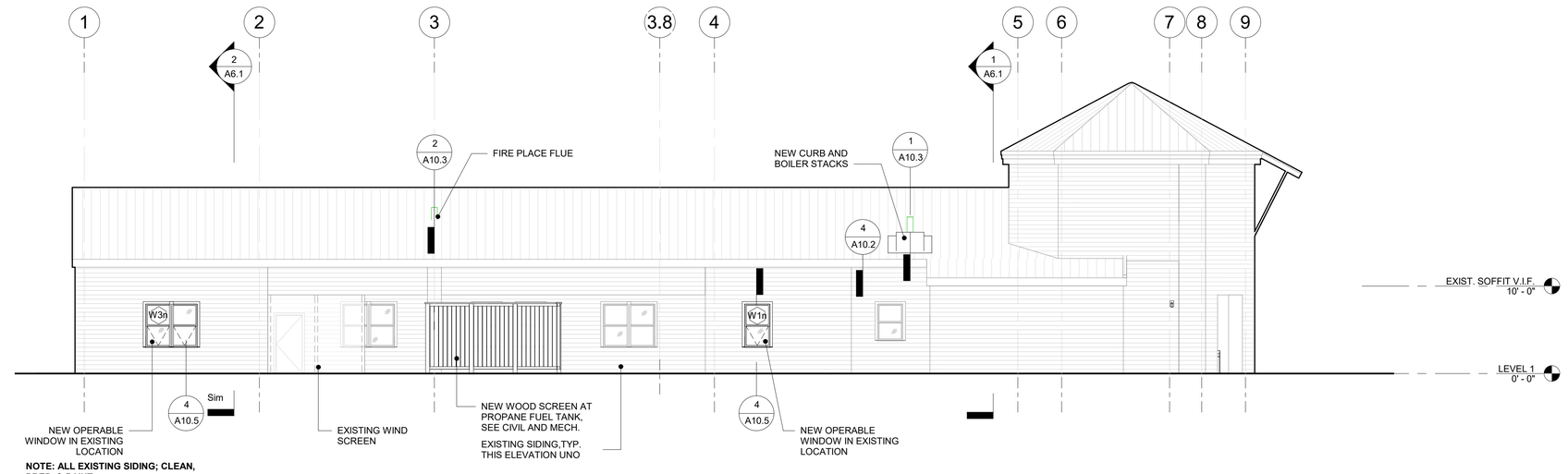
SIDING 2 = VERTICAL SIDING



2 WEST ELEVATION
1/8" = 1'-0"



1 SOUTH ELEVATION
1/8" = 1'-0"

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BRIAN A. MAY
10-1-2021
REGISTERED PROFESSIONAL ENGINEER

EXTERIOR ELEVATIONS

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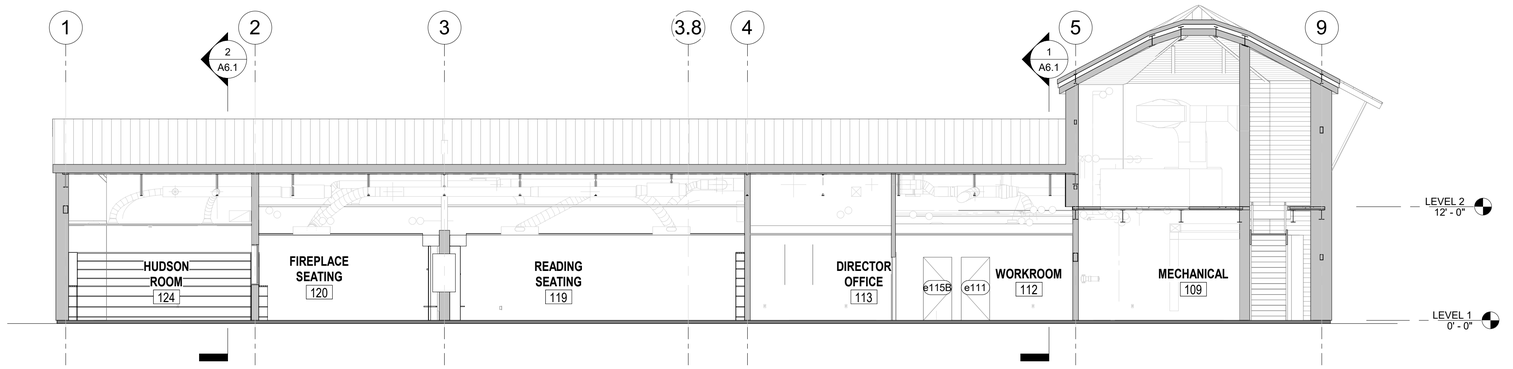
GENERAL NOTE:
BUILDING SECTIONS ARE INTENDED TO SHOW GENERAL RELATIONSHIP OF SPACE. REFER TO ASSEMBLY TYPES AND DETAILS FOR CONSTRUCTION ASSEMBLIES, REFER TO INTERIOR ELEVATIONS AND DETAILS FOR ROOM FINISH MATERIALS AND ASSEMBLIES.

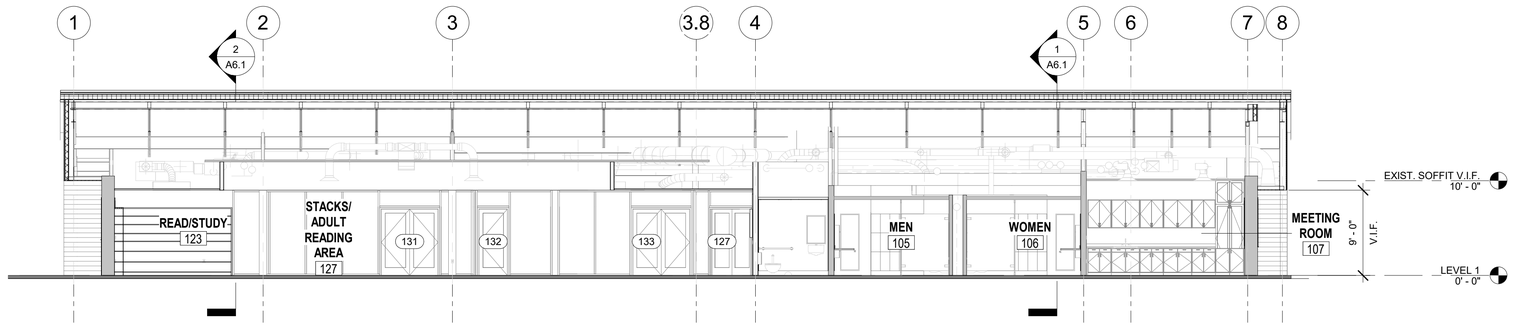
LEGEND-CONSTRUCTION

NEW WALL; SEE ASSEMBLIES

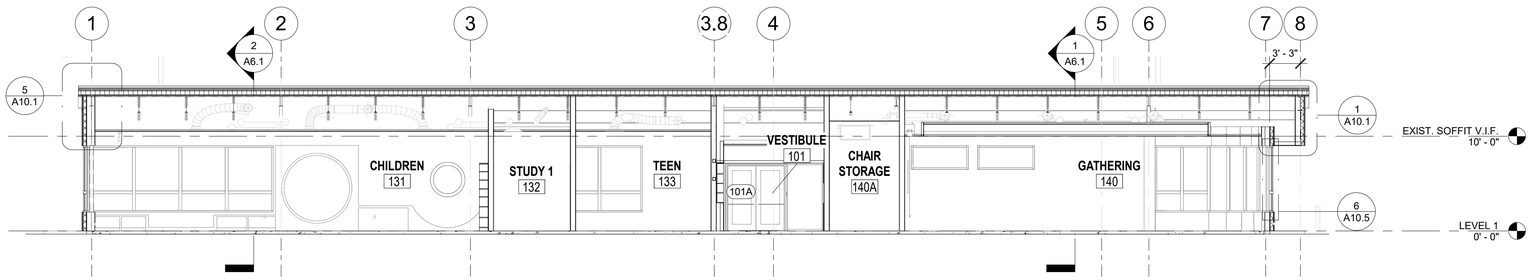
EXISTING WALL



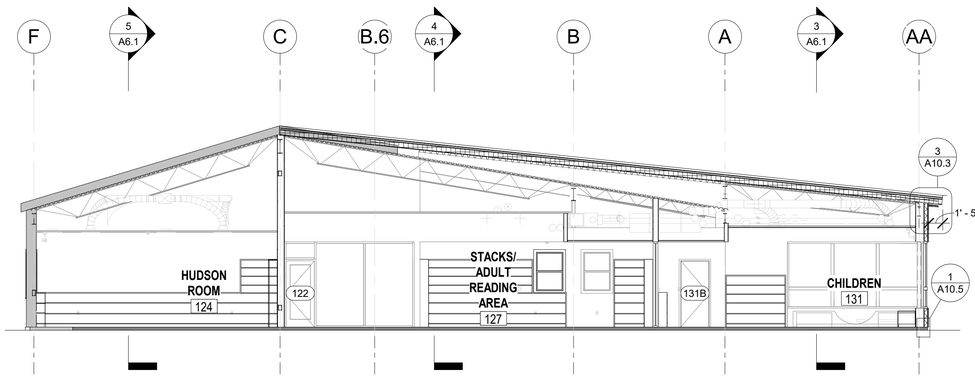
5 E-W SECTION 3
1/8" = 1'-0"



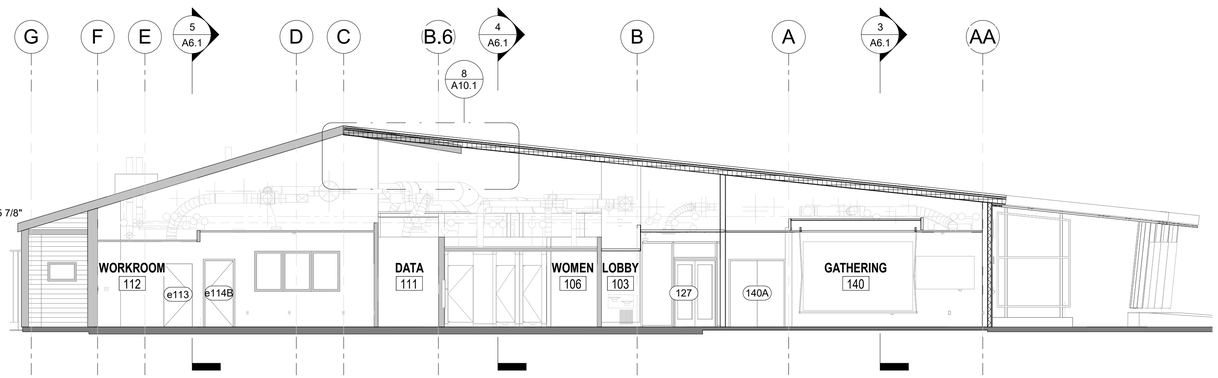
4 E-W SECTION 2
1/8" = 1'-0"



3 E-W SECTION 1
1/8" = 1'-0"



2 N-S SECTION 1
1/8" = 1'-0"



1 N-S SECTION 2
1/8" = 1'-0"

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REGISTERED ARCHITECT
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BUILDING SECTIONS

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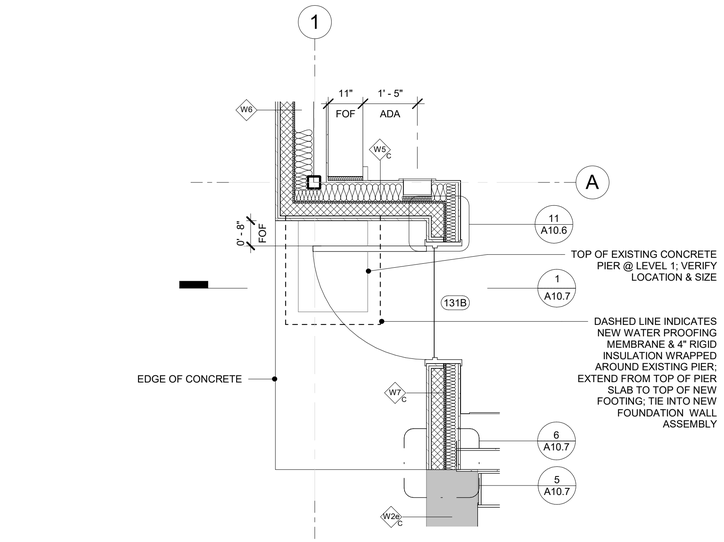
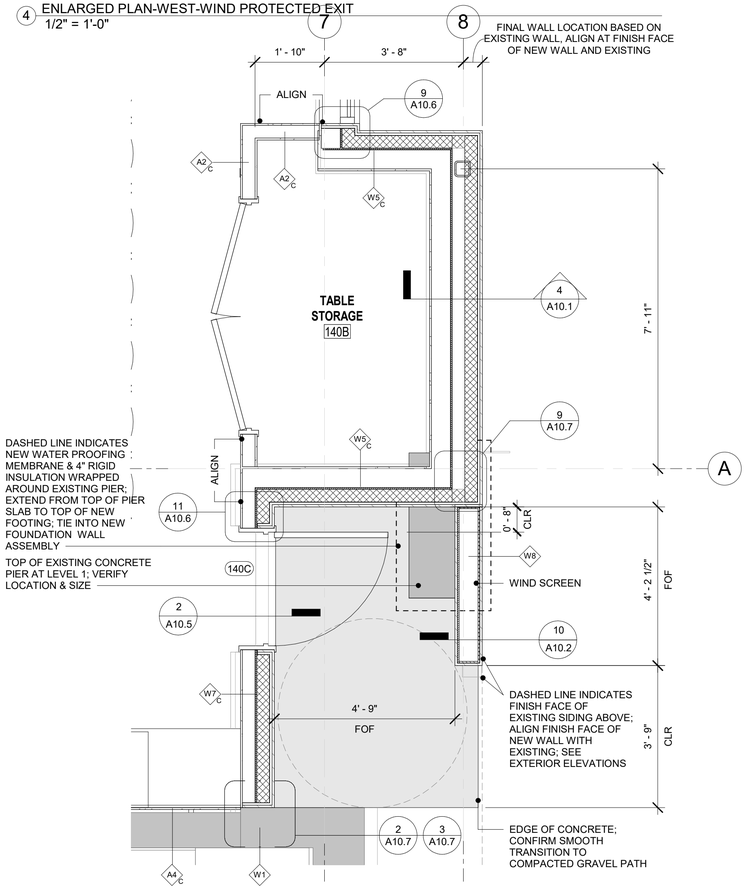
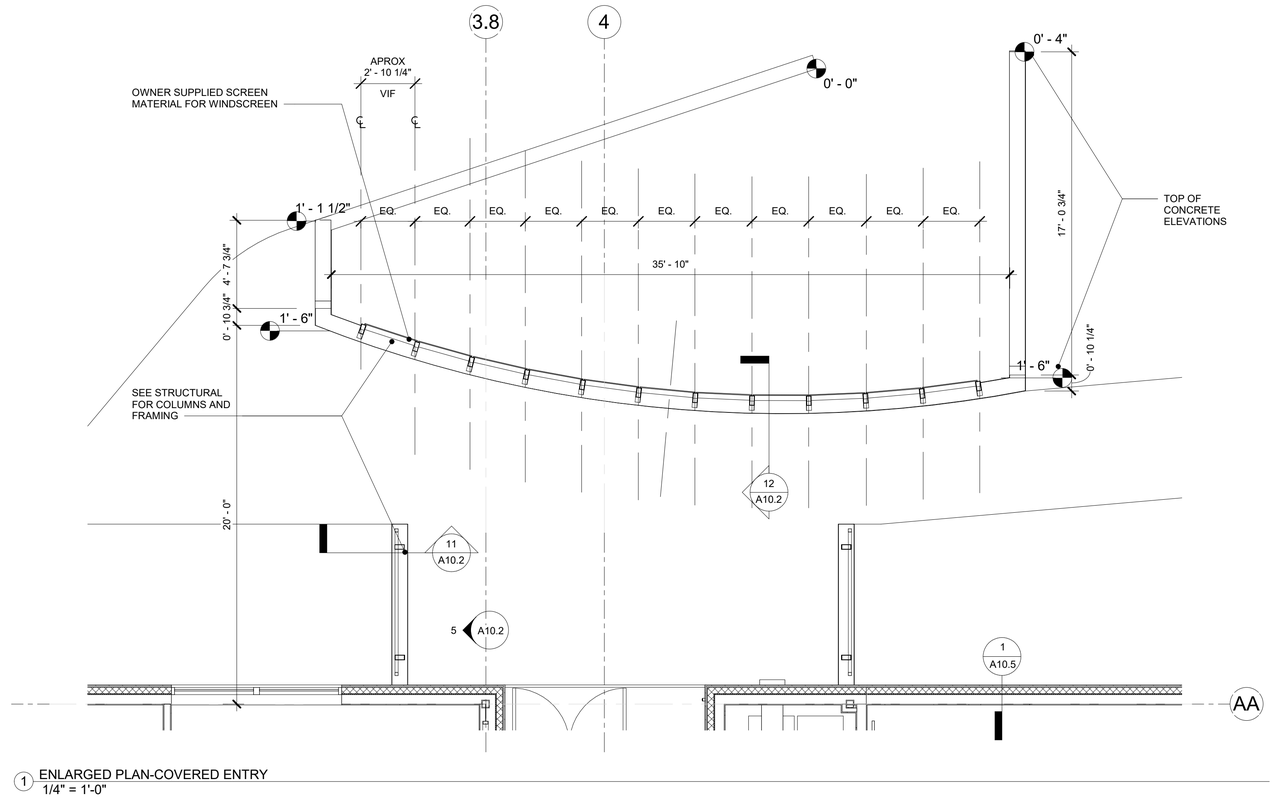


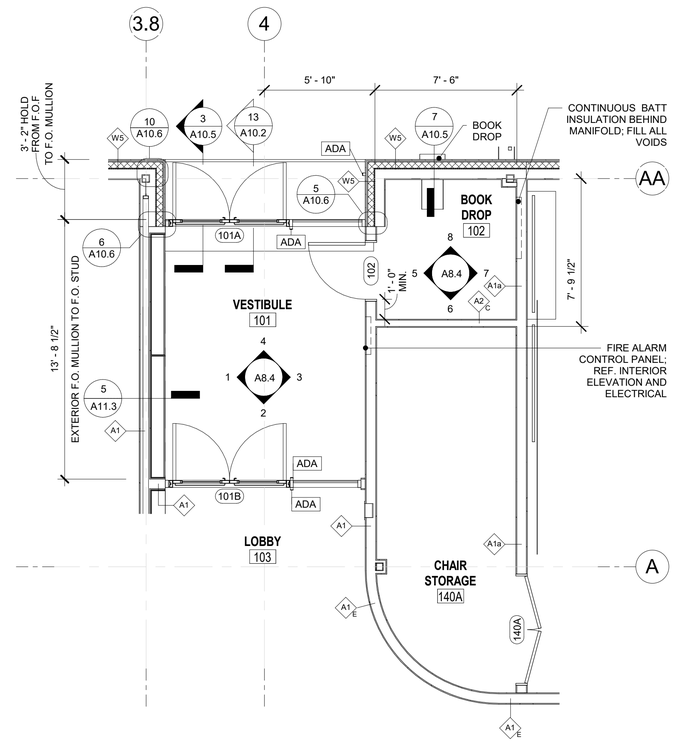
4 ENLARGED PLAN-WEST-WIND PROTECTED EXIT
1/2" = 1'-0"



2 ENLARGED PLAN WITH WIND FIN WALL AT DOOR 140C
1/2" = 1'-0"



1 ENLARGED PLAN-COVERED ENTRY
1/4" = 1'-0"



3 ENLARGED PLAN-VESTIBULE, BOOK DROP, STORAGE
1/4" = 1'-0"

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10-1-2021

ENLARGED FLOOR PLANS

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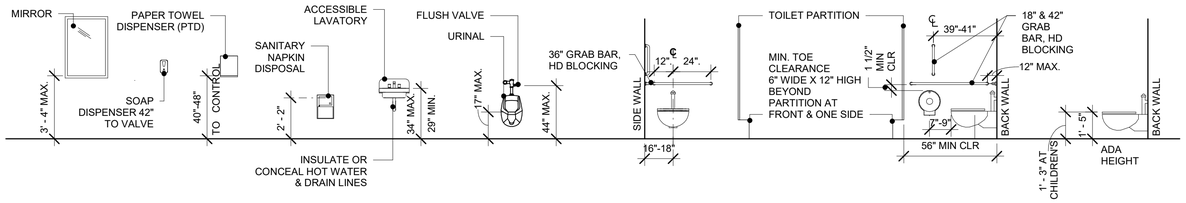
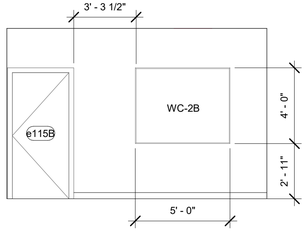
TYPICAL ACCESSORY MOUNTING HEIGHTS AND NOTES



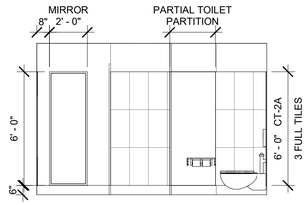
1. REFER TO SPECIFICATIONS FOR BASIS OF DESIGN PRODUCTS.
2. MOUNT ITEMS AT THE HEIGHTS ABOVE FLOOR FINISH AS SHOWN ON THIS SHEET, UNLESS NOTED OTHERWISE. NOTIFY ARCHITECT OF POTENTIAL CONFLICTS PRIOR TO PURCHASE OR INSTALLATION.
3. DIMENSIONS ARE TO FACE OF FINISH, UNO.
4. PROVIDE BLOCKING AT ALL WALL-HUNG ACCESSORIES AND EQUIPMENT. USE STANDARD (STD) OR HEAVY DUTY (HD) BLOCKING DEPENDING ON WEIGHT OF ITEM.
5. INSTALLATION OF ALL SANITARY FACILITIES ACCESSIBLE TO THE DISABLED SHALL COMPLY WITH ARCHITECTURAL DETAILS & APPLICABLE REGULATORY REQUIREMENTS.

GENERAL RESTROOM ACCESSORY NOTES

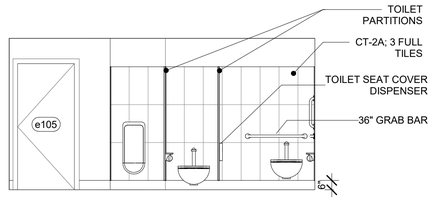
A. REFER TO FINISH LEGEND, FINISH SCHEDULE, & SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION. NOTIFY ARCHITECT IN THE EVENT OF A DISCREPANCY.
B. ACCESSORY GRAPHICS MAY NOT REPRESENT ACTUAL STYLE SPECIFIED.
C. WALL TILE GRAPHICS DO NOT REPRESENT ACTUAL LAYOUT. COORDINATE WITH ARCHITECT FOR FINAL TILE LAYOUT.
D. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
E. REPAIR EXISTING SURFACES TO REMAIN AS REQUIRED FOR APPLICATION OF NEW FINISHES.
F. IN EXISTING RESTROOMS, NEW ACCESSORIES ARE TO BE INSTALLED IN SAME LOCATIONS AS DEMOLISHED ACCESSORIES, UNLESS OTHERWISE NOTED. CONTRACTOR TO UTILIZE EXISTING ROUGH OPENING FOR NEW RECESSED ACCESSORIES.



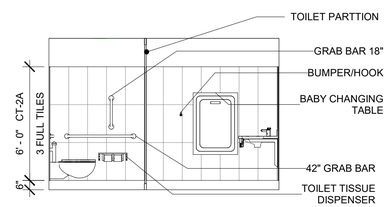
19 115-HALL-SOUTH
1/4" = 1'-0"



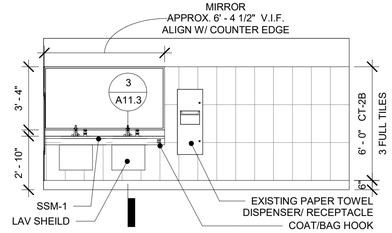
17 105-MEN'S-NORTH
1/4" = 1'-0"



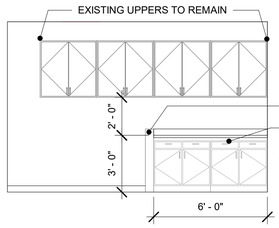
16 105-MEN'S-EAST
1/4" = 1'-0"



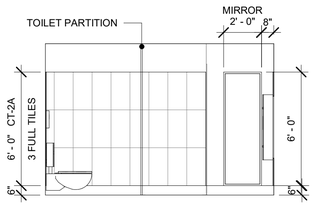
15 105-MEN'S-SOUTH
1/4" = 1'-0"



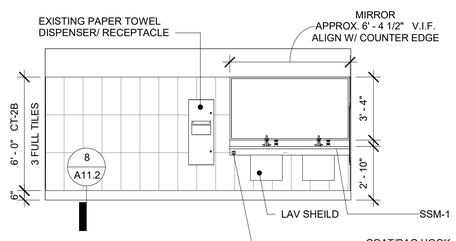
14 105-MEN'S-WEST
1/4" = 1'-0"



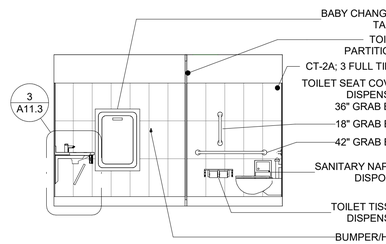
18 115-HALL-NORTH
1/4" = 1'-0"



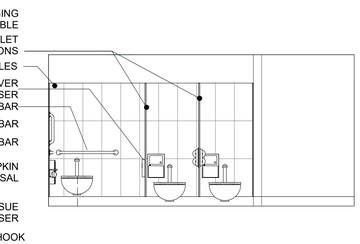
13 106-WOMEN'S-NORTH
1/4" = 1'-0"



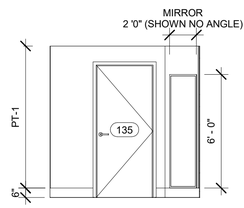
12 106-WOMEN'S-EAST
1/4" = 1'-0"



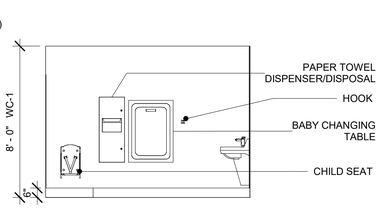
11 106-WOMEN'S-SOUTH
1/4" = 1'-0"



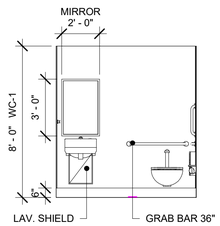
10 106-WOMEN'S-WEST
1/4" = 1'-0"



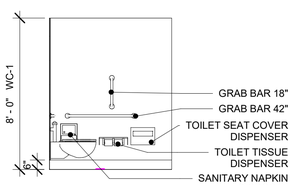
9 135-FAMILY WC-NORTH/WEST
1/4" = 1'-0"



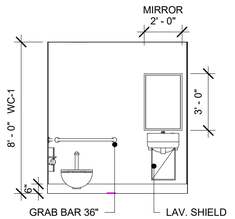
8 135-FAMILY WC-EAST
1/4" = 1'-0"



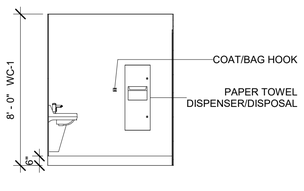
7 135-FAMILY WC-SOUTH
1/4" = 1'-0"



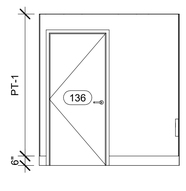
6 135-FAMILY WC-WEST
1/4" = 1'-0"



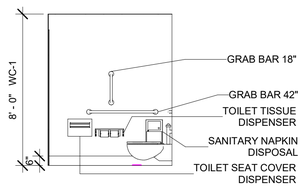
5 136-STAFF WC-NORTH
1/4" = 1'-0"



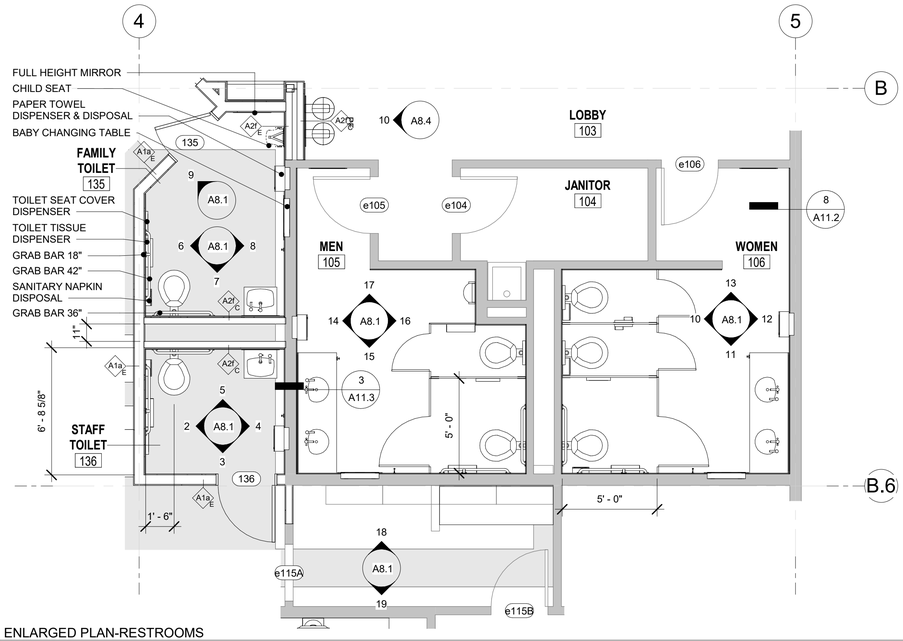
4 136-STAFF WC-EAST
1/4" = 1'-0"



3 136-STAFF WC-SOUTH
1/4" = 1'-0"



2 136-STAFF WC-WEST
1/4" = 1'-0"



1 ENLARGED PLAN-RESTROOMS
1/4" = 1'-0"

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REVISION:
ISSUE DATE: 10.01.21
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A8.1

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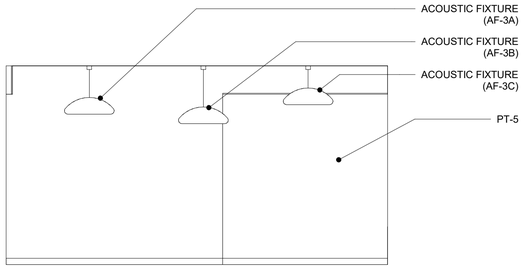
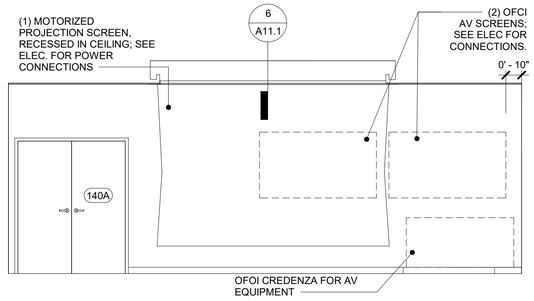
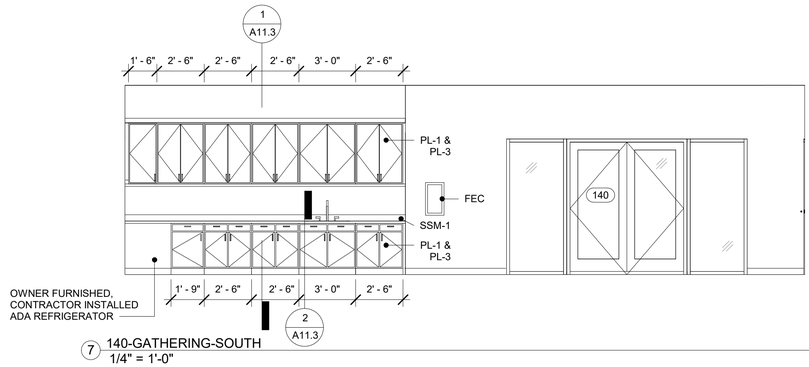


12 133-TEEN AREA-WEST
1/4" = 1'-0"

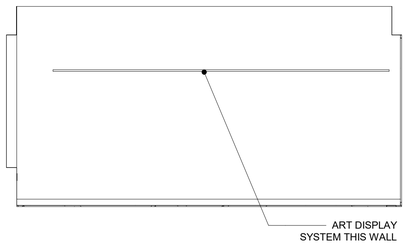


8 140-GATHERING-WEST
1/4" = 1'-0"

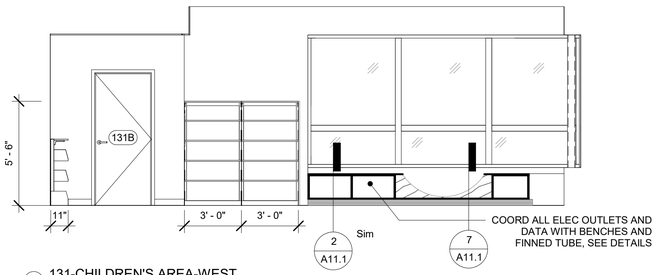
ALL EASED EDGES = 1/16" RADIUS



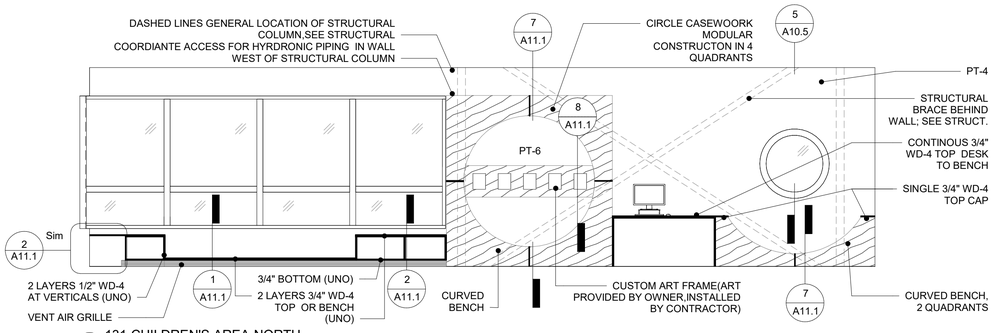
7 140-GATHERING-SOUTH
1/4" = 1'-0"



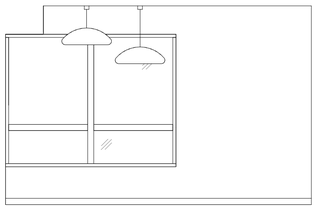
10 133-TEEN AREA-EAST
1/4" = 1'-0"



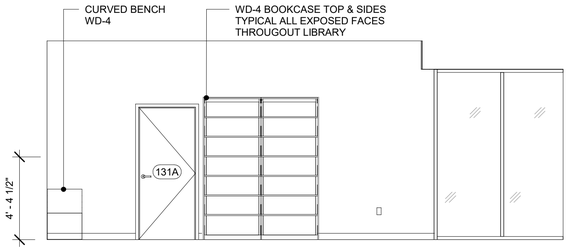
4 131-CHILDREN'S AREA-WEST
1/4" = 1'-0"



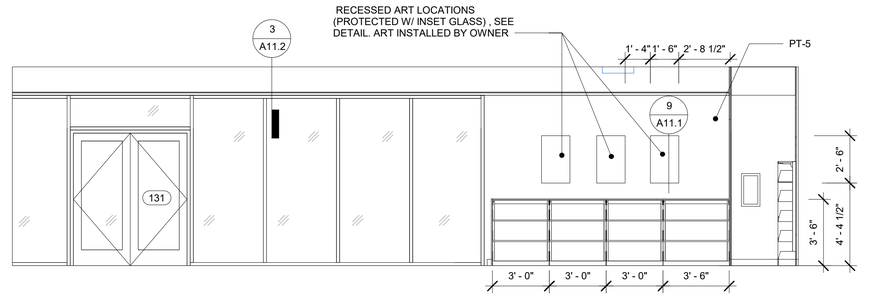
3 131-CHILDREN'S AREA-NORTH
1/4" = 1'-0"



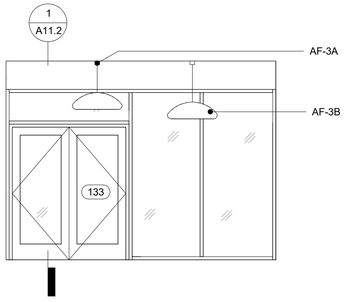
9 133-TEEN AREA-NORTH
1/4" = 1'-0"



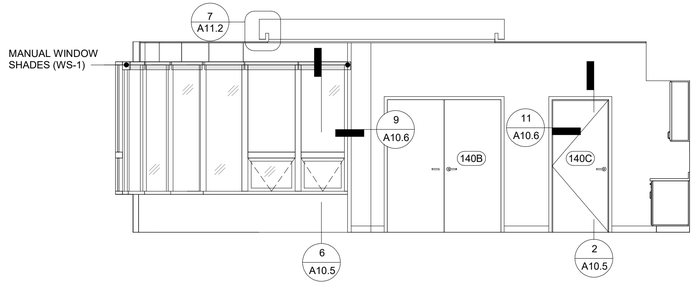
2 131-CHILDREN'S AREA-EAST
1/4" = 1'-0"



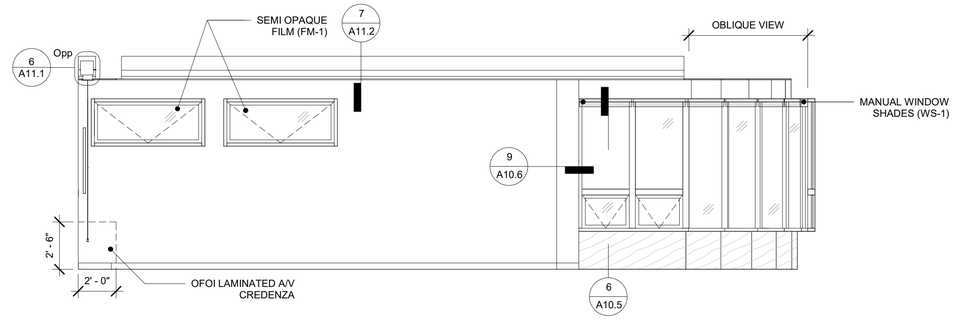
1 131-CHILDREN'S AREA-SOUTH
1/4" = 1'-0"



11 133-TEEN AREA-SOUTH
1/4" = 1'-0"



6 140-GATHERING-EAST
1/4" = 1'-0"



5 140-GATHERING-NORTH
1/4" = 1'-0"

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A8.2

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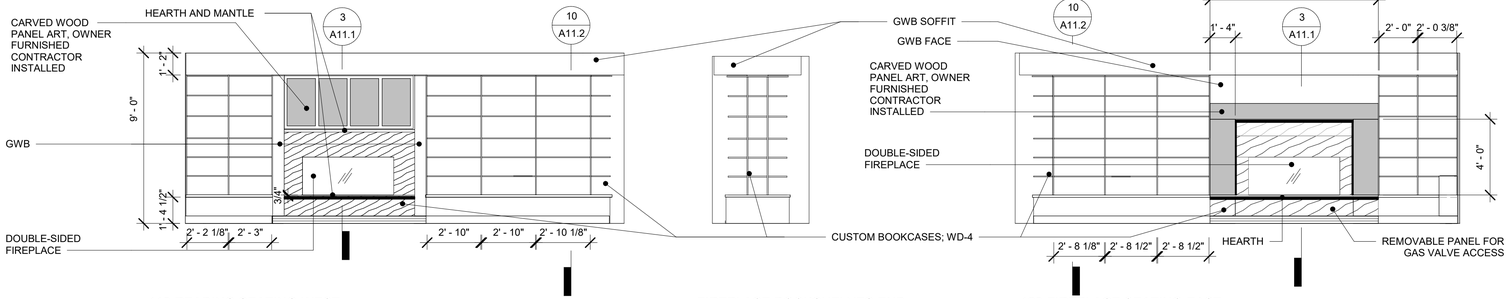
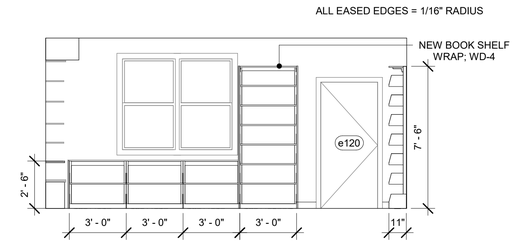


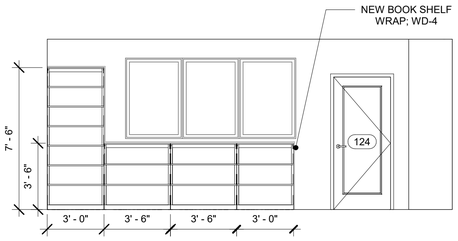
25 119-READING SEATING-WEST
1/4" = 1'-0"

24 FIREPLACE BOOKSHELVES END
1/4" = 1'-0"

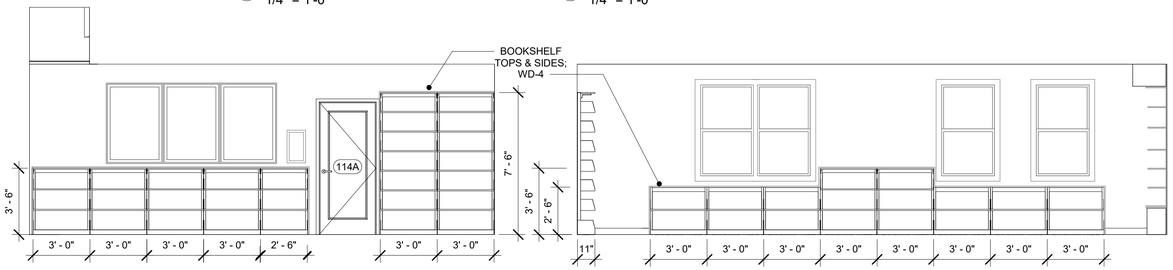
23 120-FIREPLACE SEATING-EAST
1/4" = 1'-0"



22 120-SEATING-SOUTH
1/4" = 1'-0"

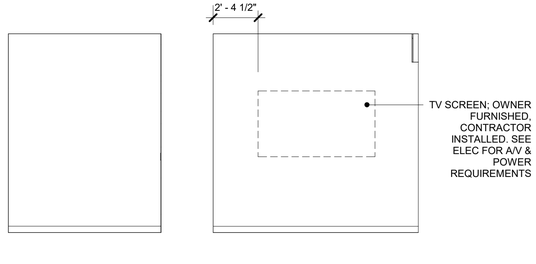


21 120-SEATING-WEST
1/4" = 1'-0"



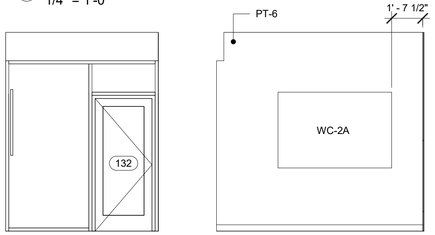
20 119-READING SEATING-EAST
1/4" = 1'-0"

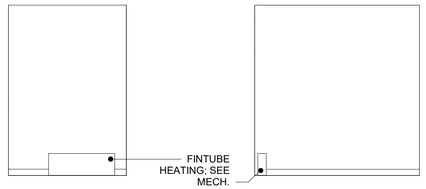
19 119-READING SEATING-SOUTH
1/4" = 1'-0"

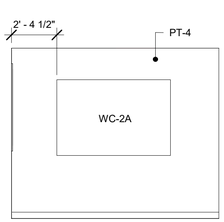


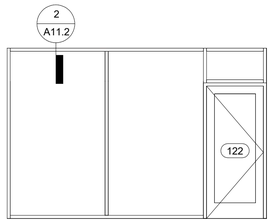
18 132-STUDY 1-NORTH
1/4" = 1'-0"

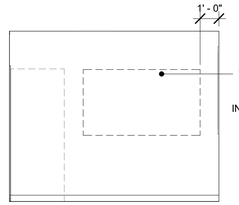
17 132-STUDY 1-EAST
1/4" = 1'-0"

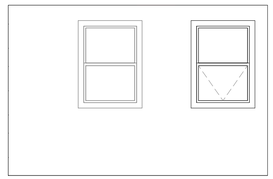












16 132-STUDY 1-SOUTH
1/4" = 1'-0"

15 132-STUDY 1-WEST
1/4" = 1'-0"

14 131A-STORAGE-NORTH
1/4" = 1'-0"

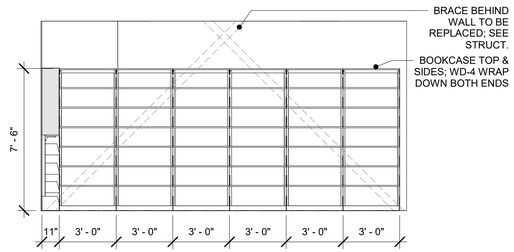
13 131A-STORAGE-EAST
1/4" = 1'-0"

12 122-STUDY 2-NORTH
1/4" = 1'-0"

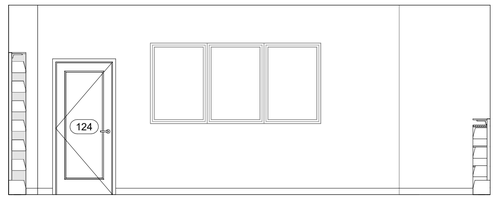
11 122-STUDY 2-EAST
1/4" = 1'-0"

10 122-STUDY 2-SOUTH
1/4" = 1'-0"

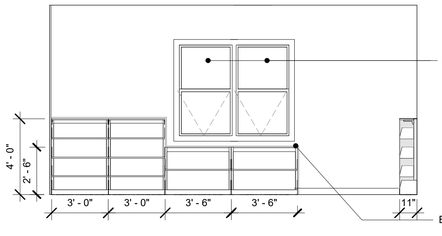
9 122-STUDY 2-WEST
1/4" = 1'-0"



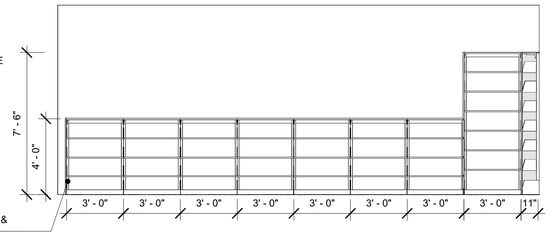
8 124-HUDSON-NORTH
1/4" = 1'-0"



7 124-HUDSON-EAST
1/4" = 1'-0"



6 124-HUDSON-SOUTH
1/4" = 1'-0"



5 124-HUDSON-WEST
1/4" = 1'-0"

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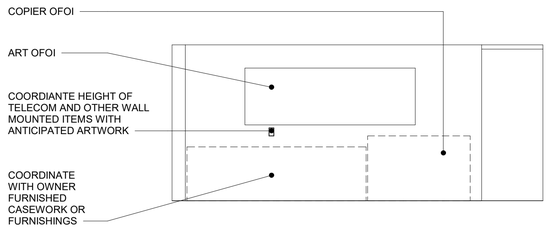
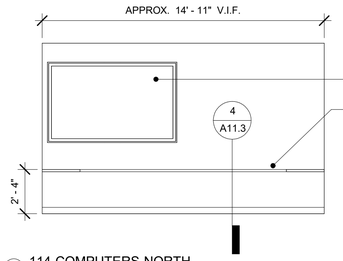
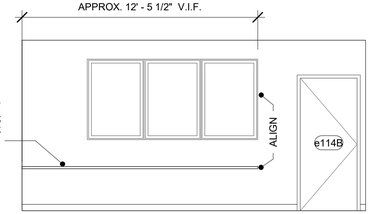


23 BACK WALL AT CIRC DESK AREA
1/4" = 1'-0"

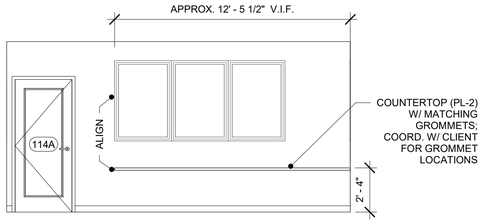


22 114-COMPUTERS-NORTH
1/4" = 1'-0"

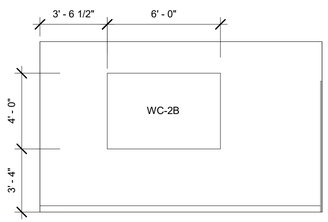


21 114-COMPUTERS-EAST
1/4" = 1'-0"

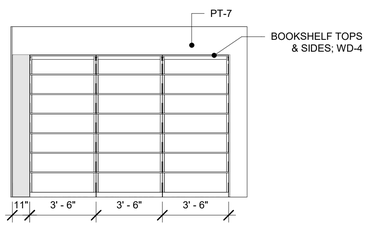
20 114-COMPUTERS-SOUTH
1/4" = 1'-0"



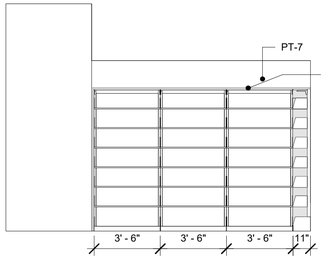
19 114-COMPUTERS-WEST
1/4" = 1'-0"



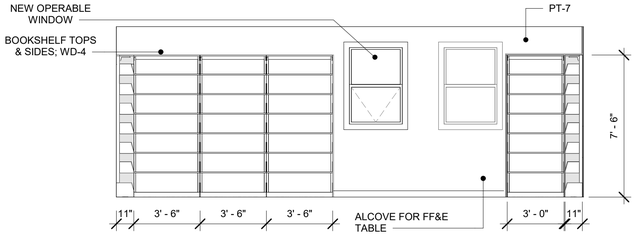
18 113-DIRECTOR OFFICE-NORTH
1/4" = 1'-0"



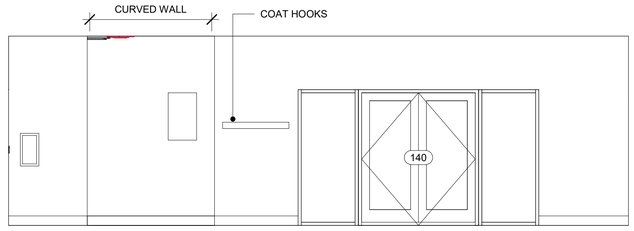
17 123 READ/STUDY-NORTH
1/4" = 1'-0"



16 123 READ/STUDY-SOUTH
1/4" = 1'-0"



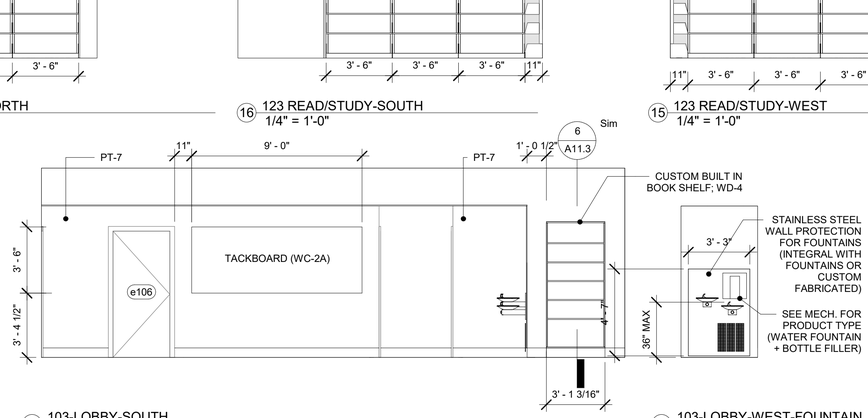
15 123 READ/STUDY-WEST
1/4" = 1'-0"



14 103-LOBBY-NORTH EAST
1/4" = 1'-0"

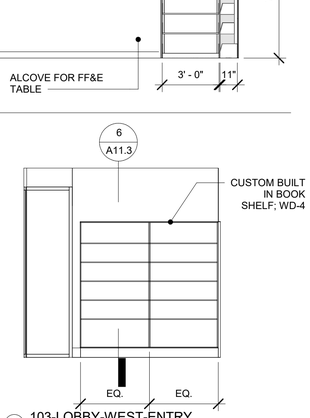
13 103-LOBBY-NORTH
1/4" = 1'-0"

12 103-LOBBY-EAST
1/4" = 1'-0"

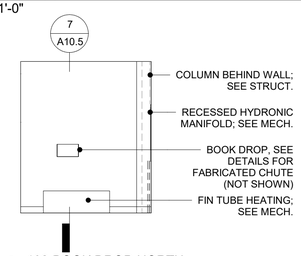


11 103-LOBBY-SOUTH
1/4" = 1'-0"

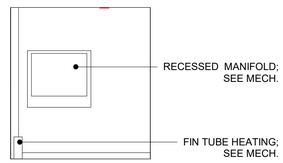
10 103-LOBBY-WEST-FOUNTAIN
1/4" = 1'-0"



9 103-LOBBY-WEST-ENTRY
1/4" = 1'-0"

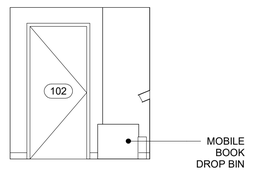


8 102-BOOK DROP-NORTH
1/4" = 1'-0"

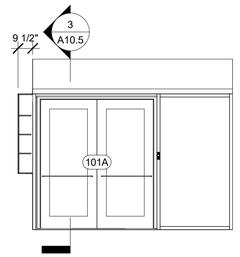


7 102-BOOK DROP-EAST
1/4" = 1'-0"

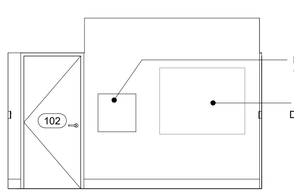
6 102-BOOK DROP-SOUTH
1/4" = 1'-0"



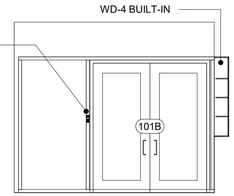
5 102-BOOK DROP-WEST
1/4" = 1'-0"



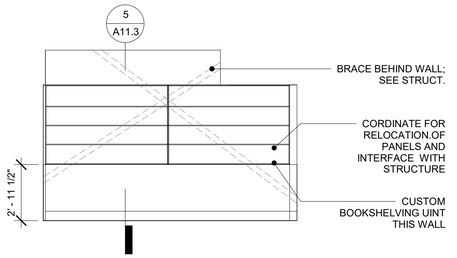
4 101-VESTIBULE-NORTH
1/4" = 1'-0"



3 101-VESTIBULE-EAST
1/4" = 1'-0"



2 101-VESTIBULE-SOUTH
1/4" = 1'-0"



1 101-VESTIBULE-WEST
1/4" = 1'-0"

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A8.4

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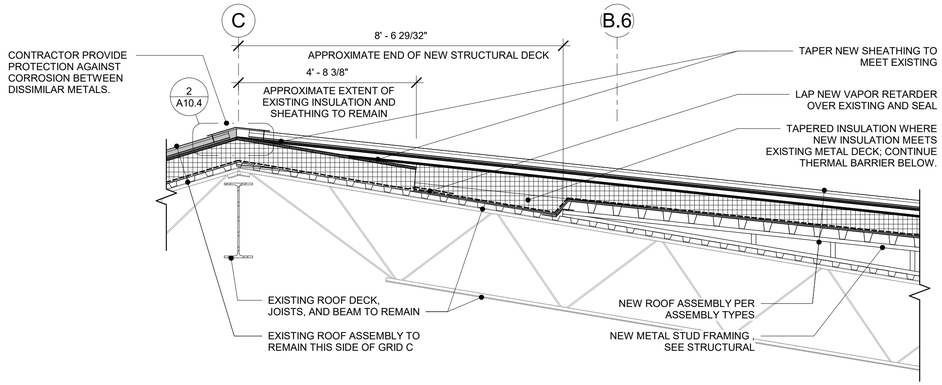
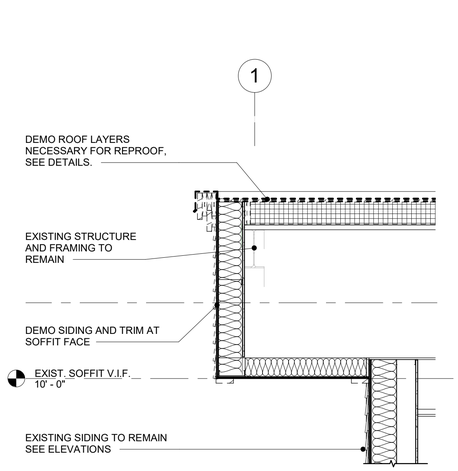
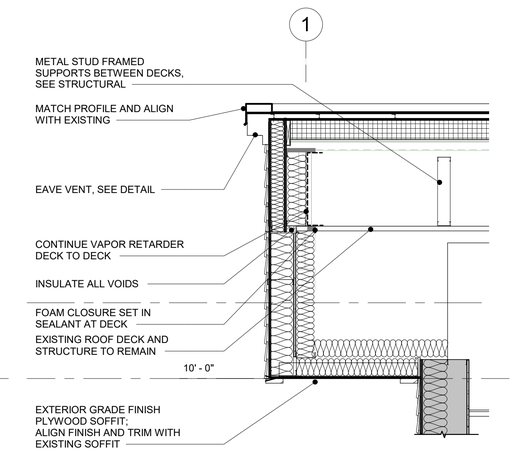


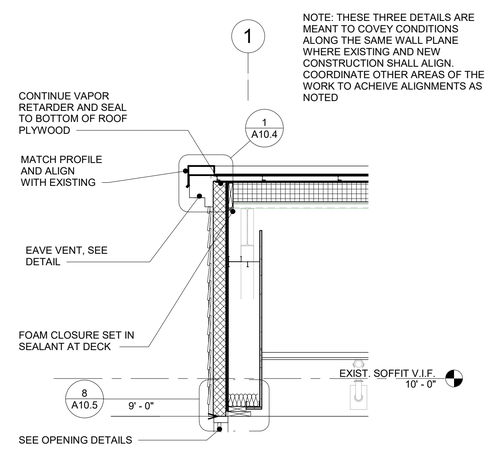
8 DETAIL SECTION-ROOF OVERFRAMING
1/2" = 1'-0"



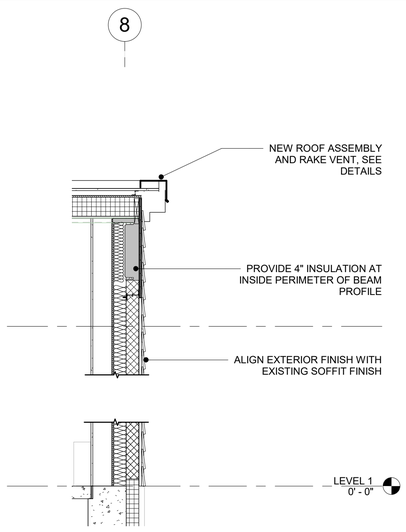
7 RAKE SOFFIT-WEST-EXISTING
1/2" = 1'-0"



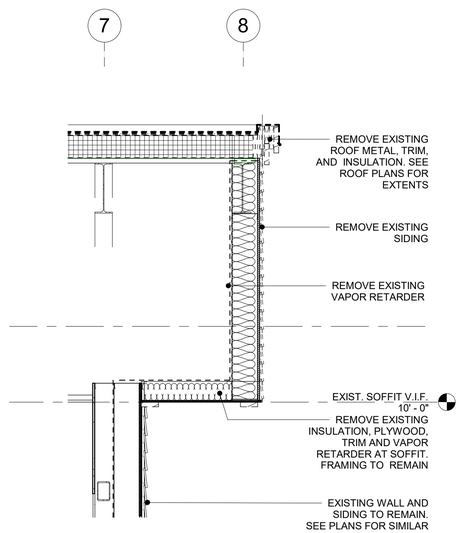
6 RAKE SOFFIT-WEST-MODIFIED
1/2" = 1'-0"



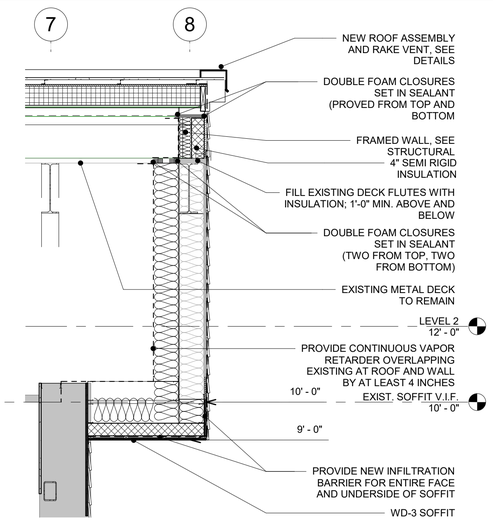
5 RAKE WEST WALL AT CHILDREN'S
1/2" = 1'-0"



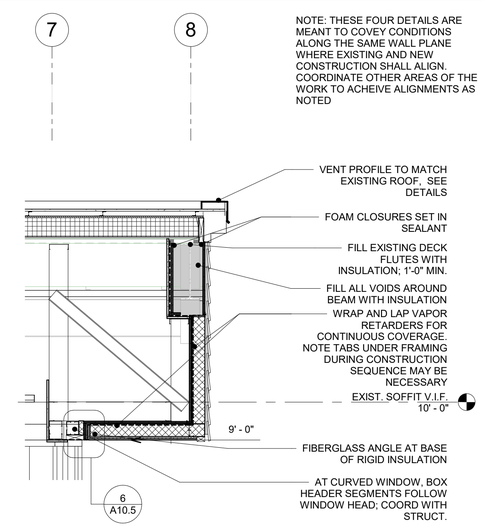
4 WALL SECTION-TABLE STORAGE
1/2" = 1'-0"



3 WALL SECTION-EAST SOFFIT EXISTING
1/2" = 1'-0"



2 WALL SECTION-EAST SOFFIT NEW
1/2" = 1'-0"



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

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EXTERIOR DETAILS-ROOF & WALL SECTIONS

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A10.1

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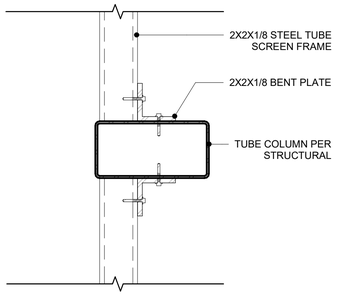
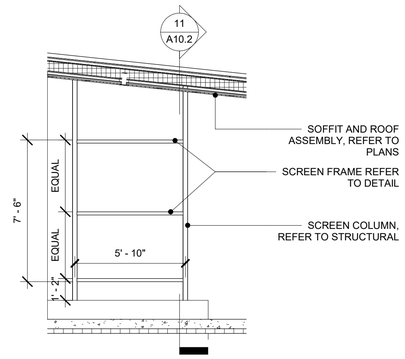
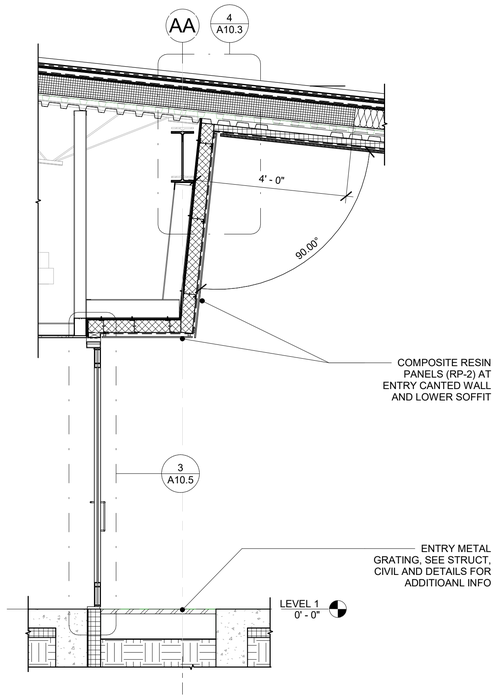


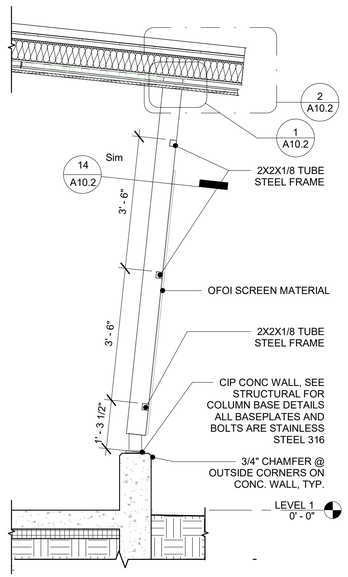
14 PLAN DETAIL-SIDE CANOPY SCREEN-PANEL ATTACHMENT
3" = 1'-0"



5 CANOPY SCREEN ELEVATION, TYP
1/4" = 1'-0"

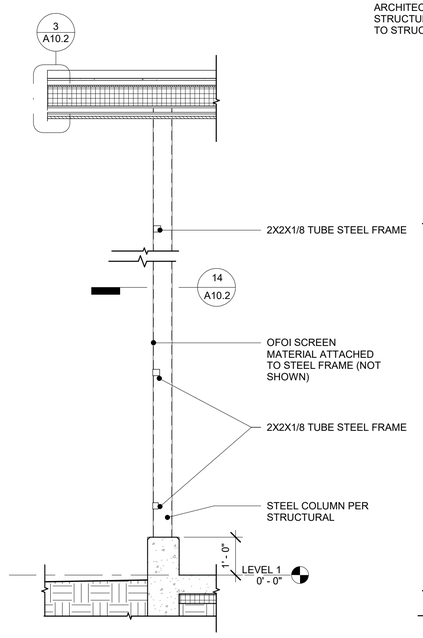


13 WALL SECTION-MAIN ENTRY
1/2" = 1'-0"

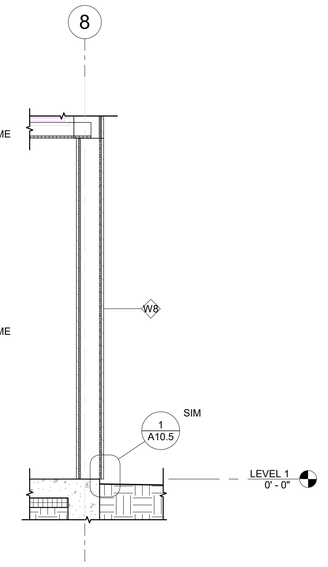


12 WALL SECTION-FRONT CANOPY SCREEN
1/2" = 1'-0"

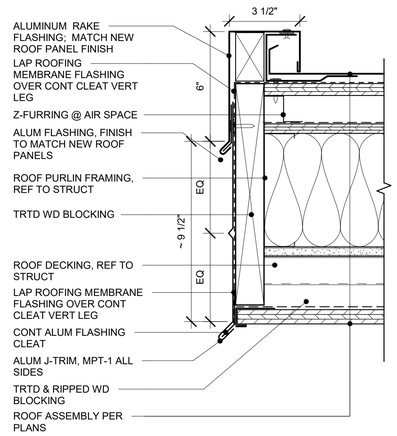
GENERAL NOTE: 2X2 STEEL FRAME IS SHOWN IN ARCHITECTUAL DRAWINGS BUT NOT WITHIN STRUCTURAL. ALL FRAME COMPONENTS SHALL ADHERE TO STRUCTRUAL REQUIRMENTS IN SPECIFICATIONS



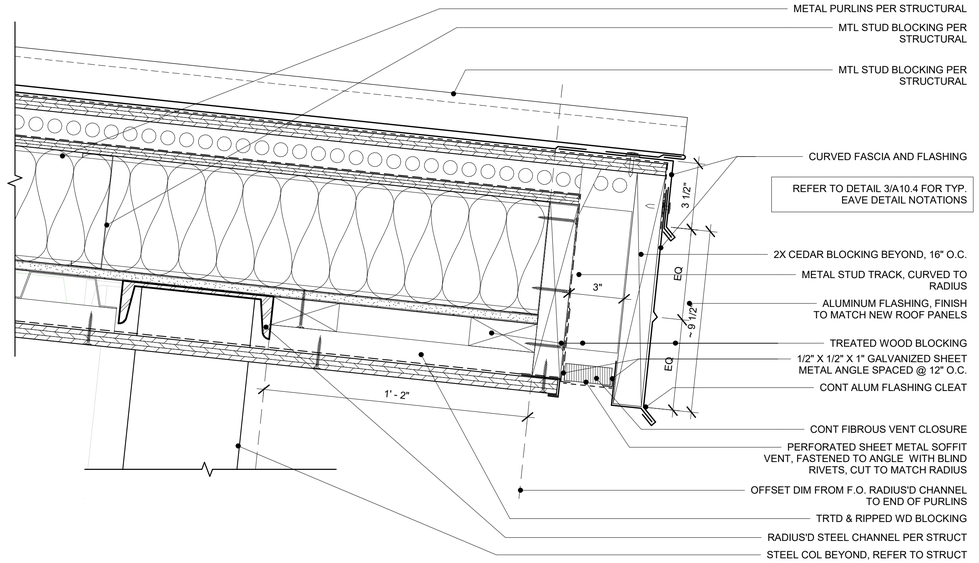
11 WALL SECTION-SIDE CANOPY SCREEN
1/2" = 1'-0"



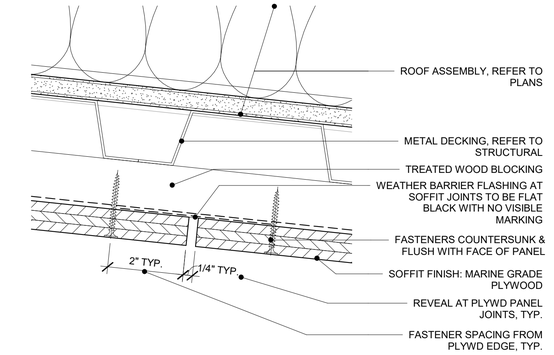
10 WALL SECTION- FIN WALL AT SIDE DOOR
1/2" = 1'-0"



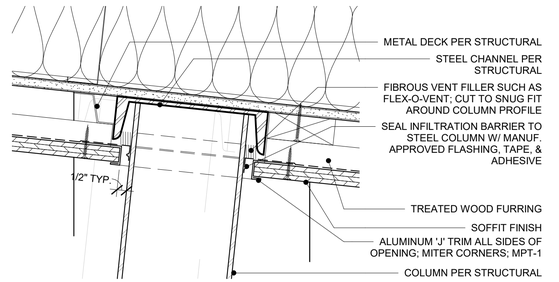
3 SECTION DETAIL @ ROOF - ENTRY CANOPY RAKE
3" = 1'-0"



2 SECTION DETAIL @ ROOF - ENTRY CANOPY EAVE
3" = 1'-0"



4 SECTION DETAIL - SOFFIT JOINT, TYP.
6" = 1'-0"



1 SECTION DETAIL-ENTRY CANOPY-TYPICAL COLUMN/SOFFIT JUNCTION
3" = 1'-0"

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EXTERIOR DETAILS-CANOPY

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A10.2

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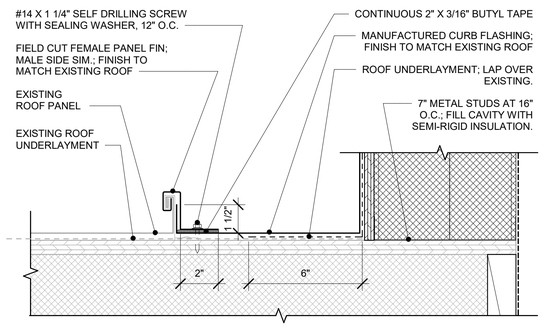
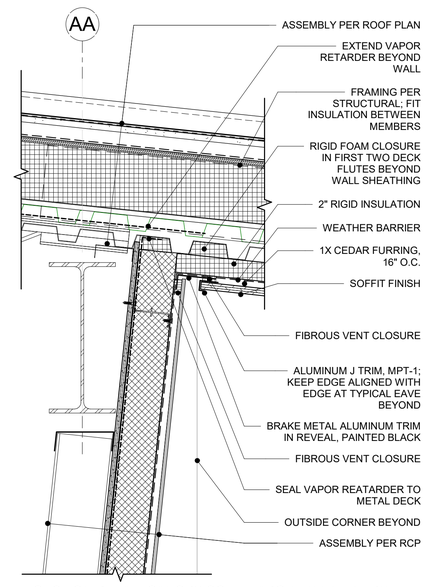
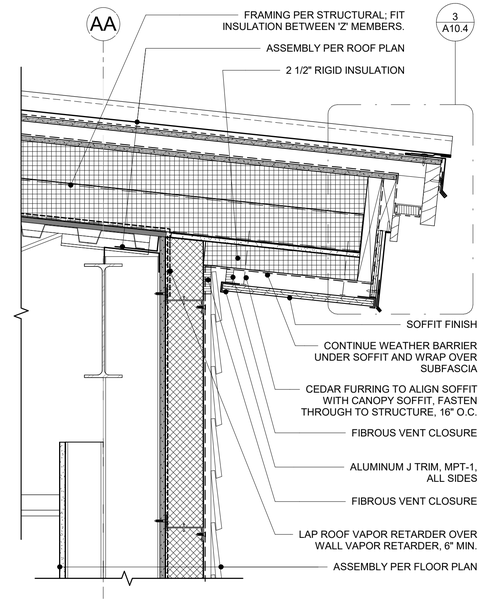


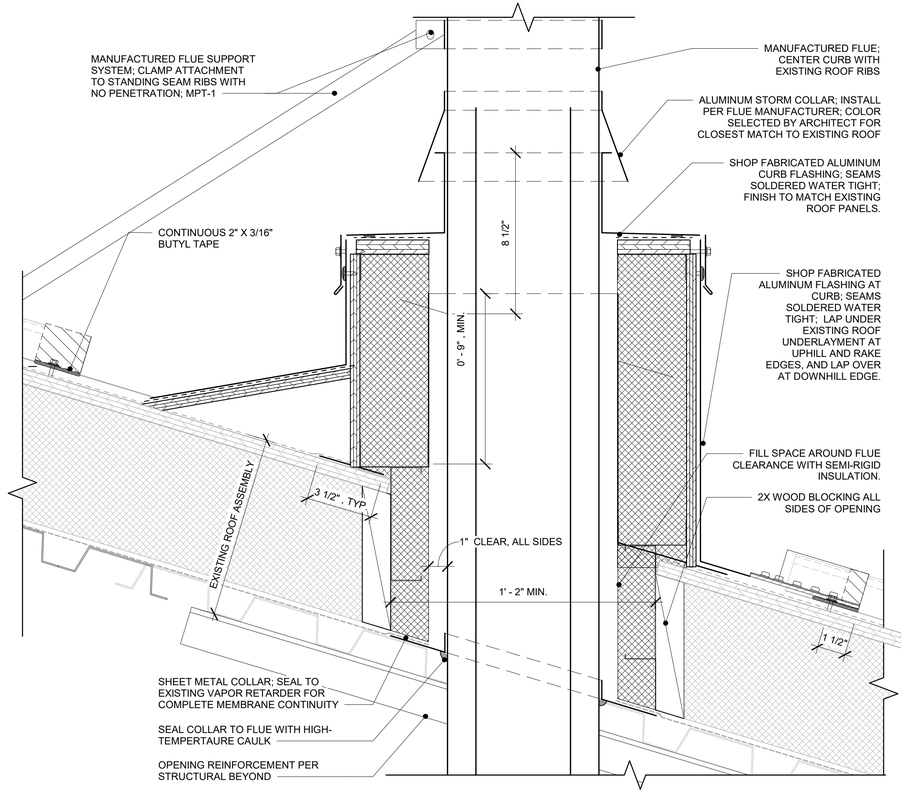
5 ROOF DETAIL-MECHANICAL CURB RAKE
3" = 1'-0"



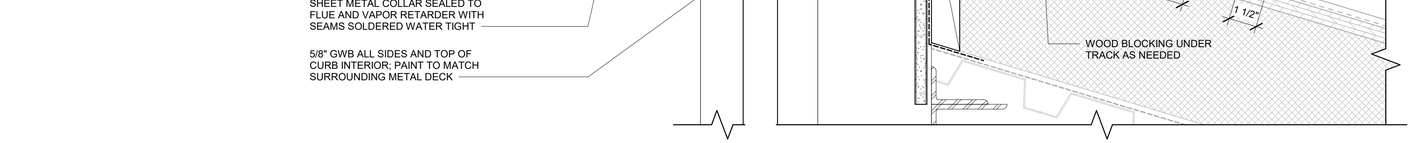
4 SECTION DETAIL-CANOPY SOFFIT ABOVE MAIN ENTRY DOORS
1 1/2" = 1'-0"



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



2 ROOF DETAIL-FIREPLACE FLUE PENETRATION
3" = 1'-0"



1 ROOF DETAIL-MECHANICAL CURB UPHILL AND DOWNHILL
3" = 1'-0"

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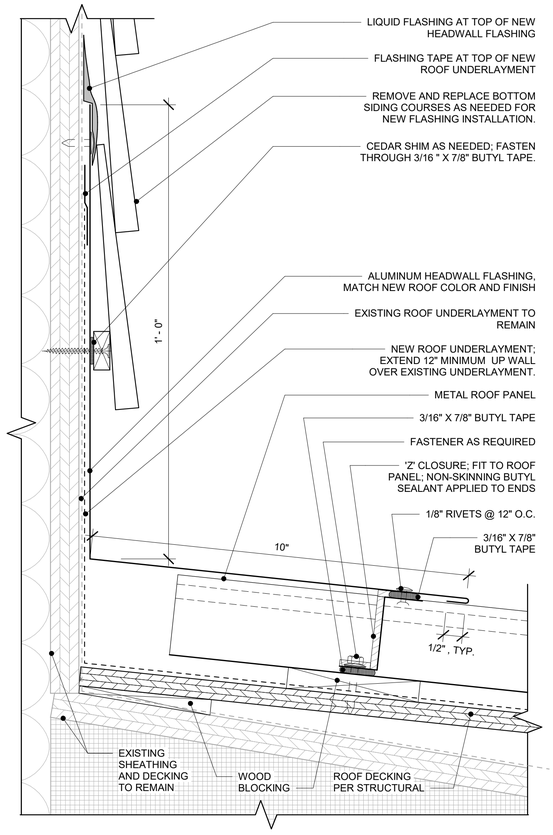
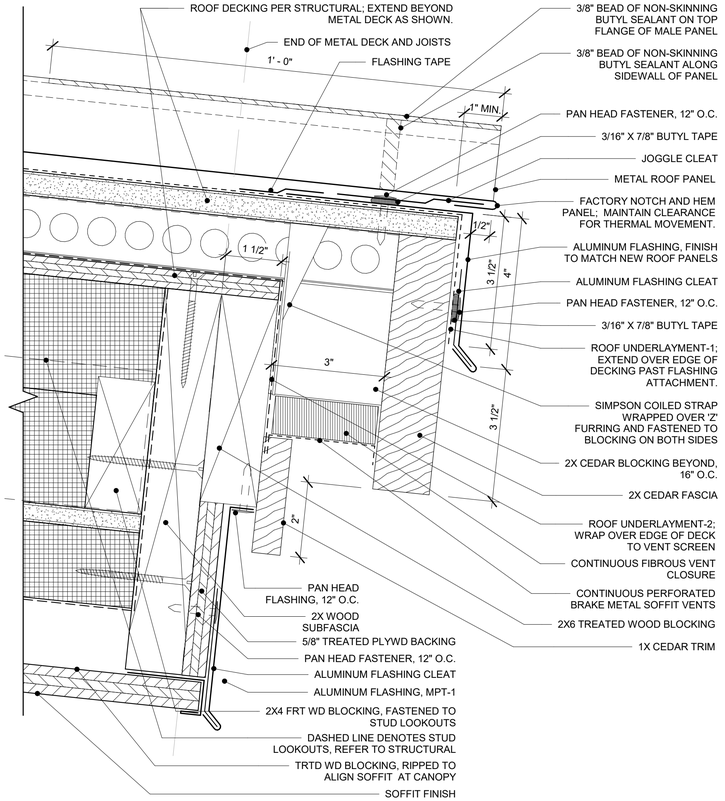
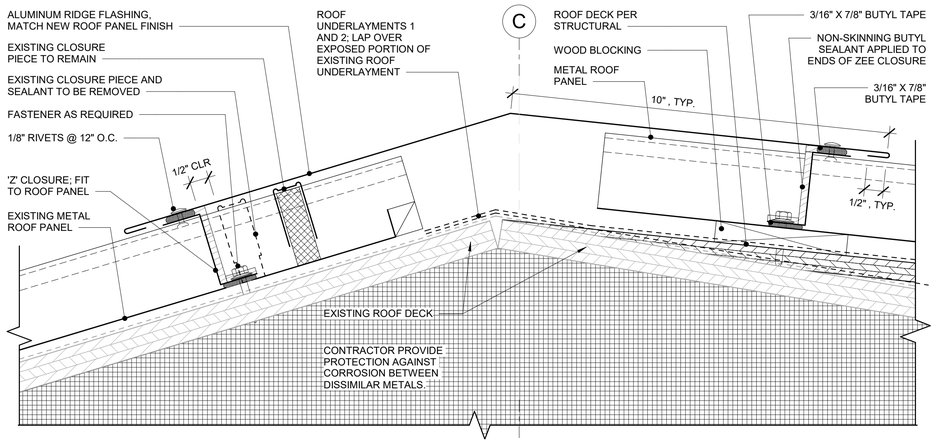


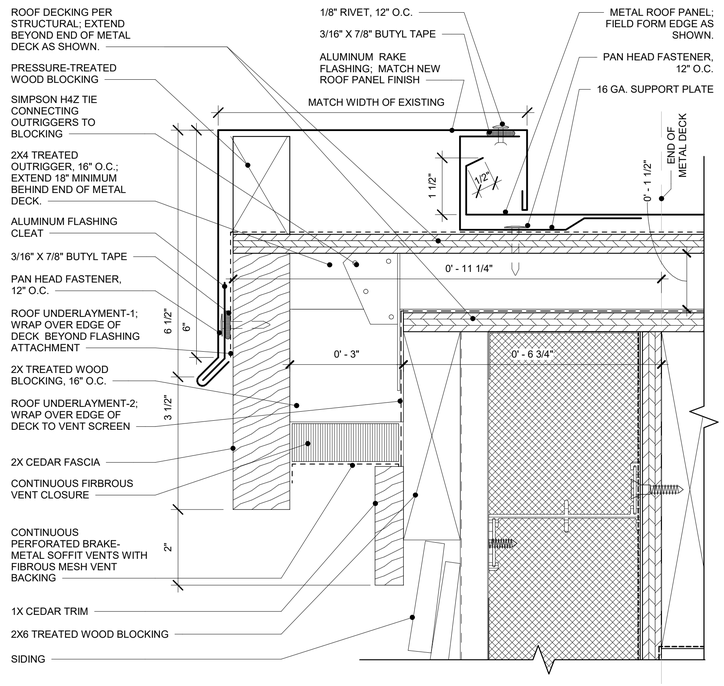
4 ROOF DETAIL-HEADWALL FLASHING
6" = 1'-0"



3 ROOF DETAIL-EAVE FLASHING & VENT
6" = 1'-0"



2 ROOF DETAIL-RIDGE FLASHING
6" = 1'-0"



1 ROOF DETAIL-RAKE FLASHING AND VENT
6" = 1'-0"

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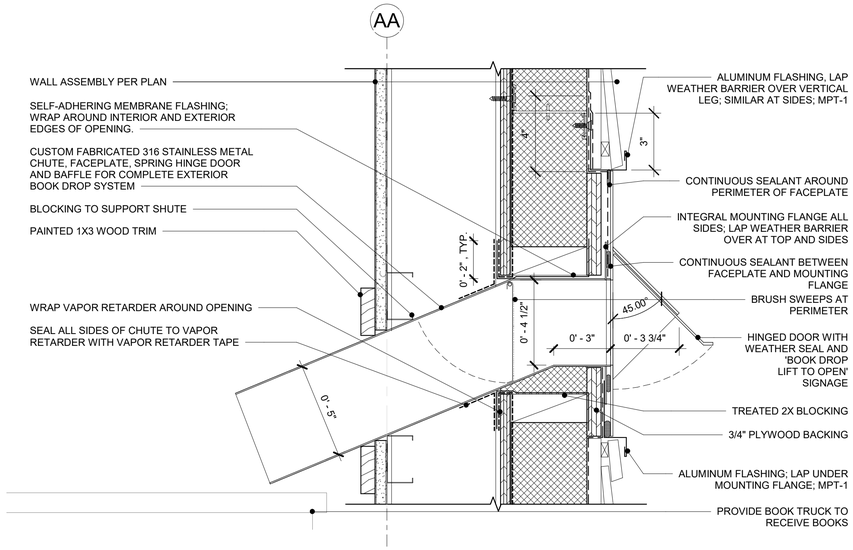
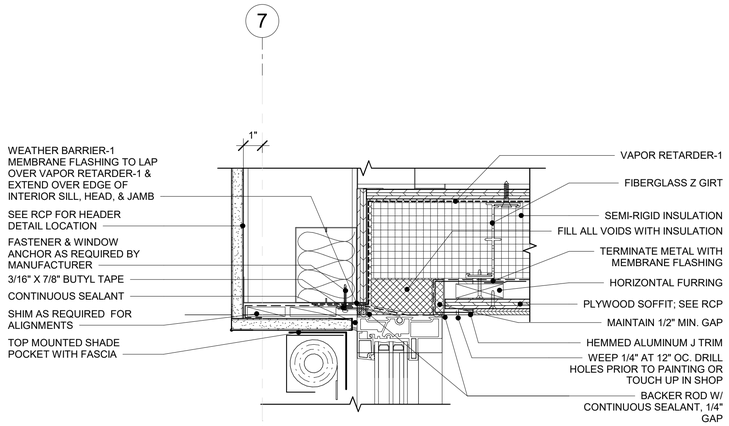
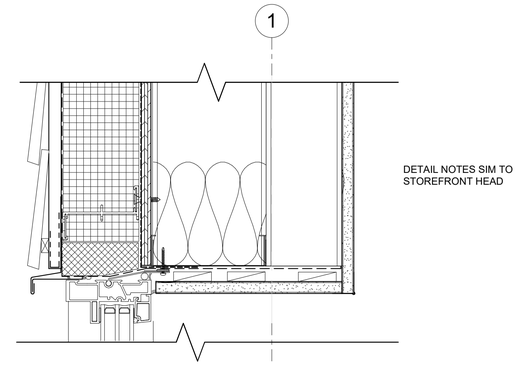
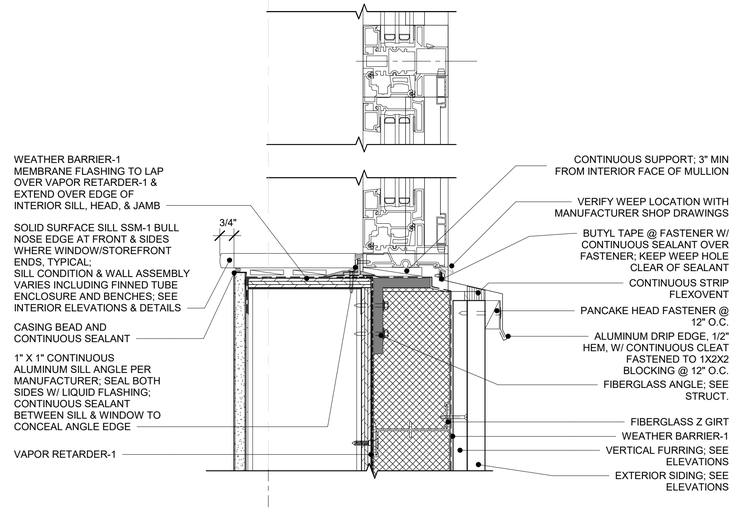


7 SECTION DETAIL-BOOK DROP BOX
3" = 1'-0"

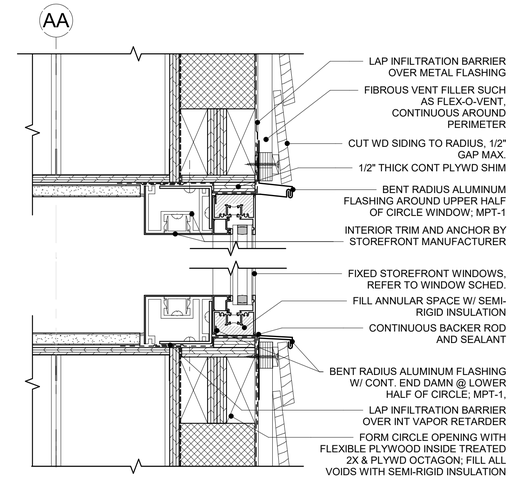




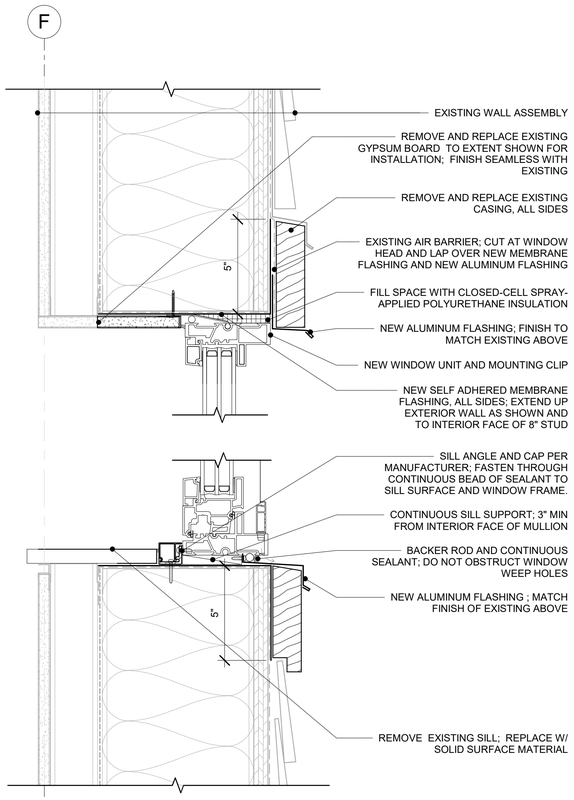
8 SECTION DETAIL-WINDOW HEAD AT CHILDRENS WEST
3" = 1'-0"



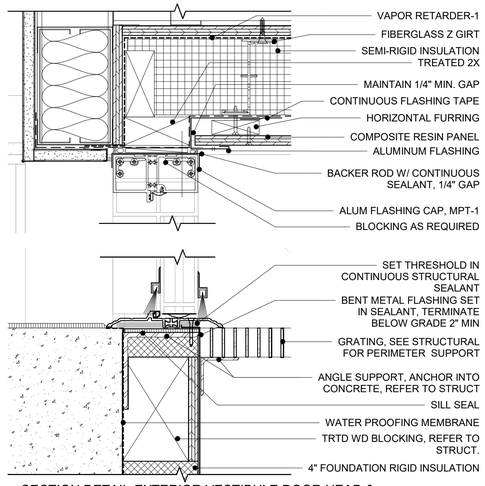
6 SECTION DETAIL- HEAD & SILL-GATHERING
3" = 1'-0"



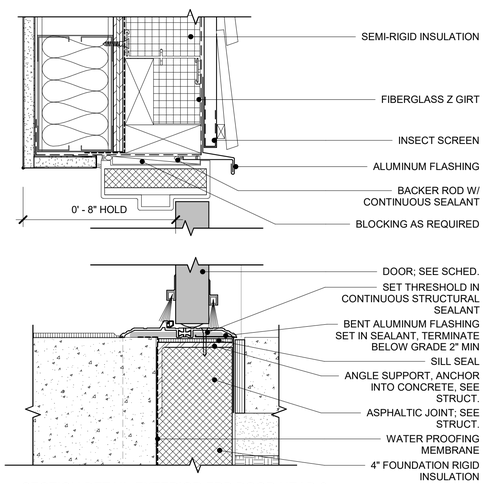
5 SECTION DETAIL-CIRCLE WINDOW-HEAD AND SILL
3" = 1'-0"



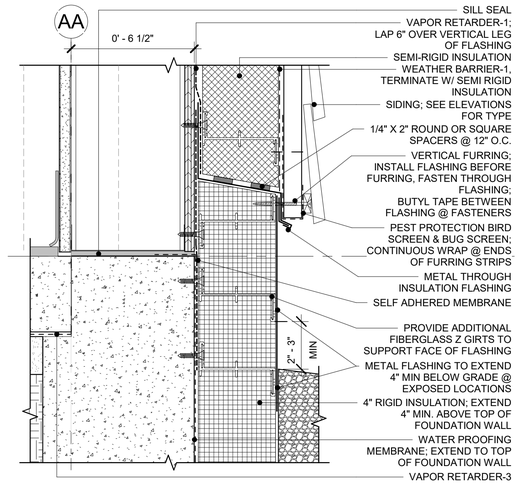
4 SECTION DETAIL-NEW WINDOW IN EXISTING OPENING-HEAD AND SILL
3" = 1'-0"



3 SECTION DETAIL-EXTERIOR VESTIBULE DOOR HEAD & THRESHOLD
3" = 1'-0"



2 SECTION DETAIL-EXTERIOR FRP DOOR HEAD & THRESHOLD
3" = 1'-0"



1 SECTION DETAIL-BASE OF WALL TYPCIAL
3" = 1'-0"

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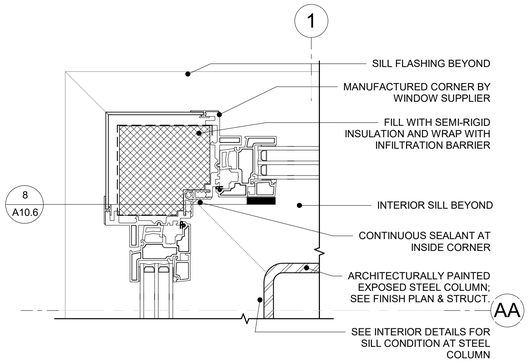
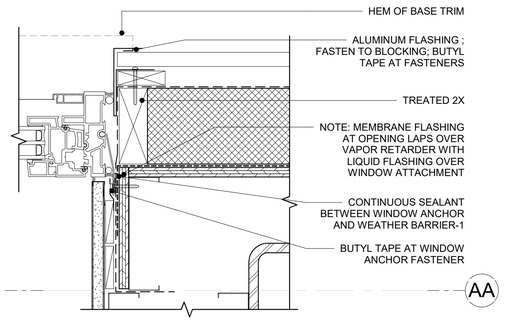
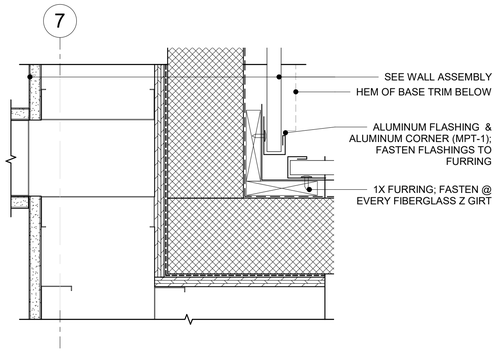


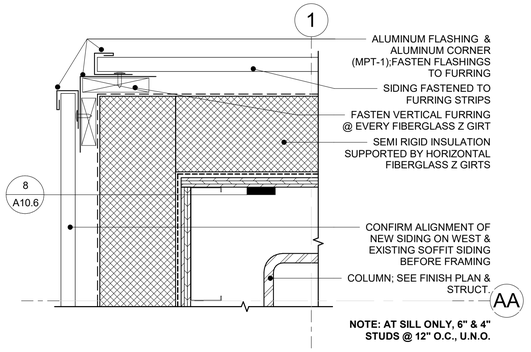
16 PLAN DETAIL - CORNER-CHILDREN'S
3" = 1'-0"



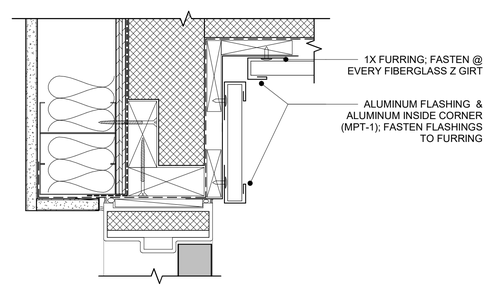
15 PLAN DETAIL-JAMB-NORTH CHILDREN'S
3" = 1'-0"



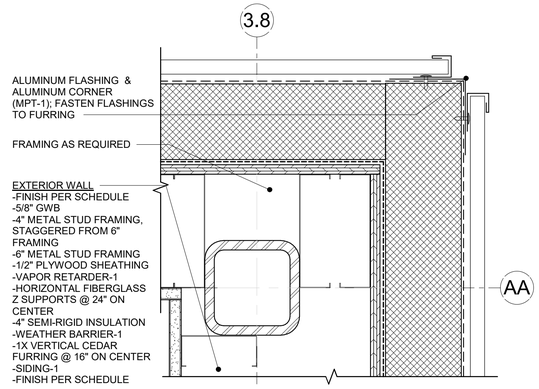
13 PLAN DETAIL-HEADER ABOVEJAMB-EAST GATHERING
3" = 1'-0"



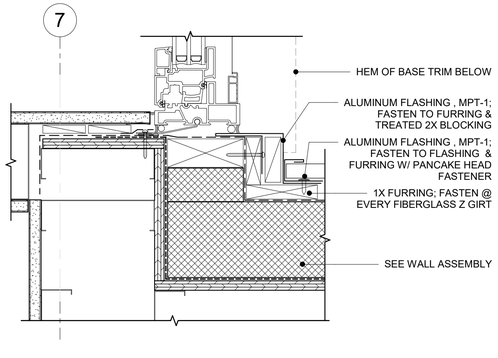
12 PLAN DETAIL-CORNER BASE-CHILDREN
3" = 1'-0"



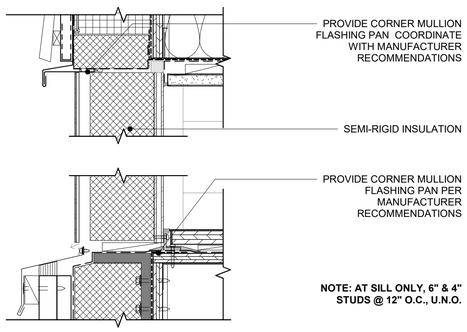
11 PLAN DETAIL-FRP DOOR JAMB
3" = 1'-0"



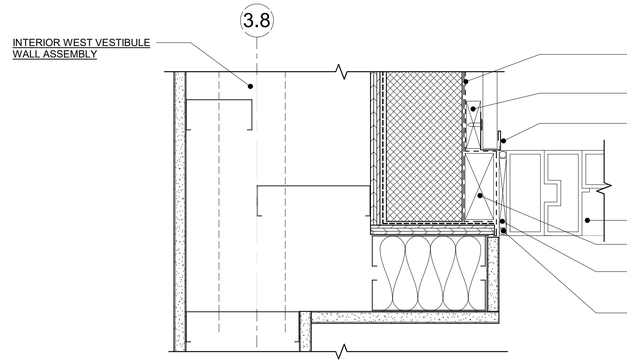
10 PLAN DETAIL-COLUMN GRID 3.8AA
3" = 1'-0"



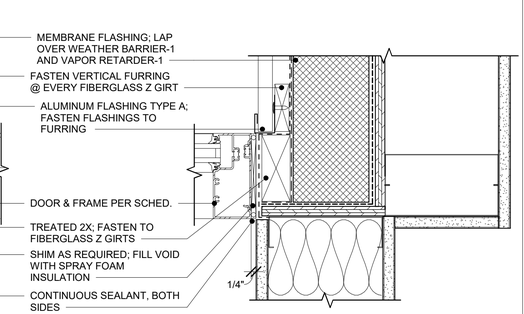
9 PLAN DETAIL-JAMB-EAST GATHERING
3" = 1'-0"



8 SECTION DETAIL-FIBERGLASS COLUMN BASE & HEAD
3" = 1'-0"



6 PLAN DETAIL-VESTIBULE-101A JAMB
3" = 1'-0"



5 PLAN DETAIL-VESTIBULE JAMB
3" = 1'-0"

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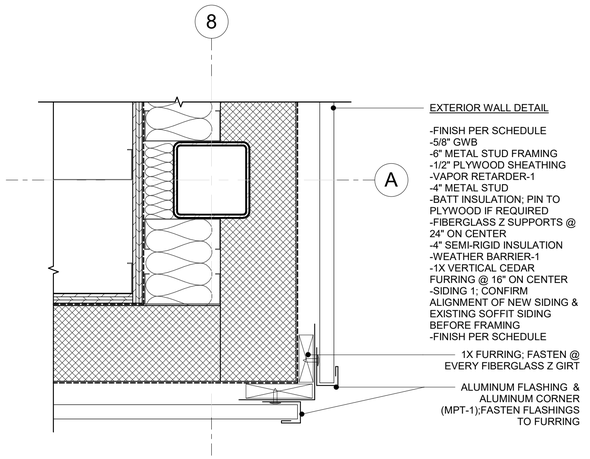
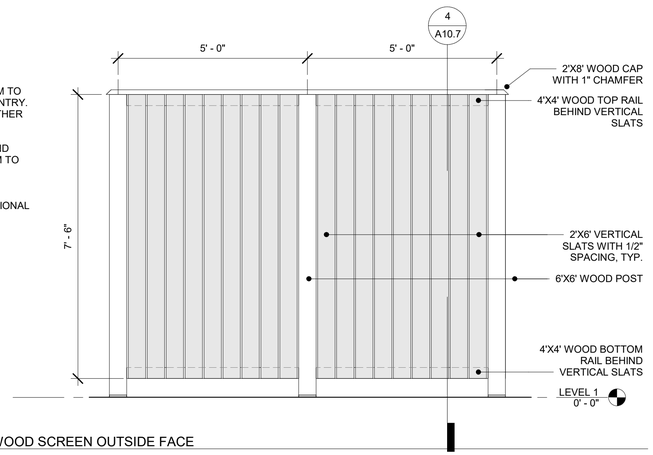


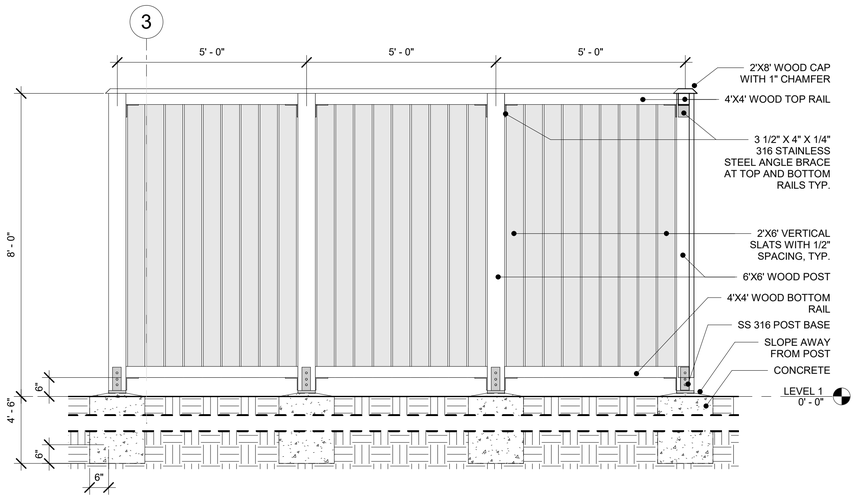
9 PLAN DETAIL-COLUMN 8A
3" = 1'-0"

NOTES - WOOD SCREEN:

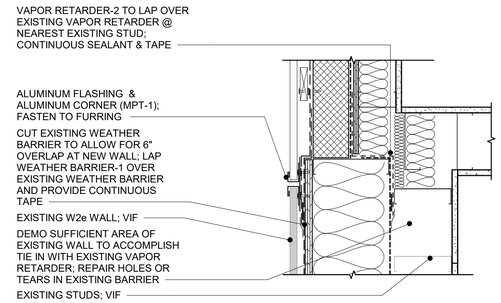
1. ALL WOOD SHALL CONFORM TO SECTION 06 ROUGH CARPENTRY. WOOD SHALL BE "ALL WEATHER WOOD"
2. ALL NAILS, NUTS, BOLTS, AND WASHERS SHALL CONFORM TO SECTION 05 FASTENERS, MISCELLANEOUS.
3. SEE SECTION 09 FOR ADDITIONAL FINISH INFORMATION.



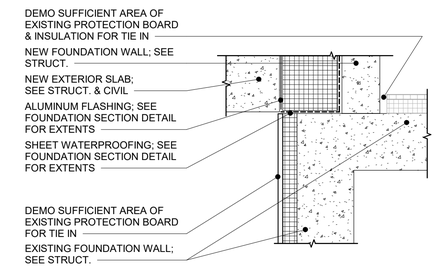
7 EXTERIOR ELEVATION-WOOD SCREEN OUTSIDE FACE
1/2" = 1'-0"



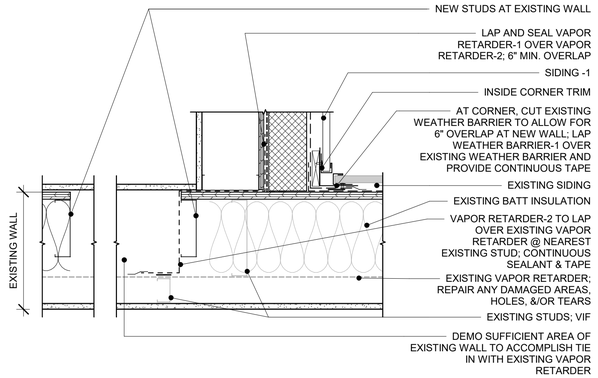
4 EXTERIOR DETAIL-WOOD SCREEN INSIDE FACE
1/2" = 1'-0"



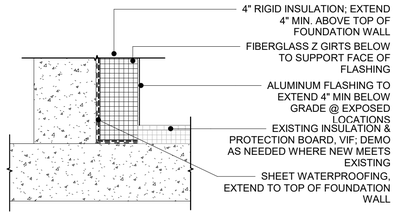
6 PLAN DETAIL WEST WALL ALIGN
1 1/2" = 1'-0"



5 PLAN DETAIL-WEST EXISTING/NEW FOUNDATION INTERSECTION
1 1/2" = 1'-0"

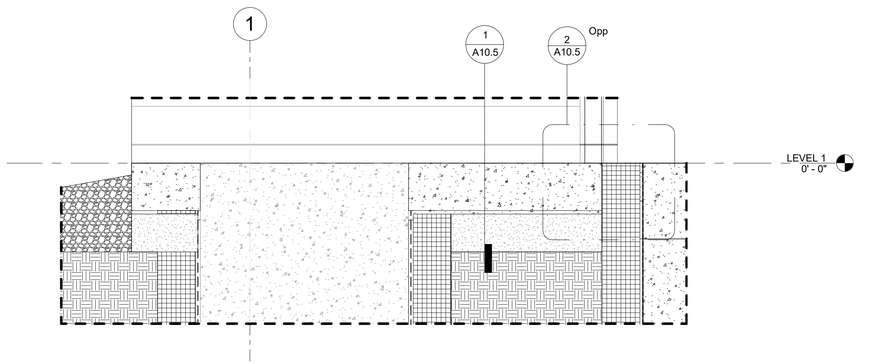


3 PLAN DETAIL-EAST EXISTING/NEW WALL INTERSECTION
1 1/2" = 1'-0"



NOTE: FOR ADDITIONAL INFO, SEE FOUNDATION WALL DETAIL

2 PLAN DETAIL-EAST EXISTING/NEW FOUNDATION INTERSECTION
1 1/2" = 1'-0"



1 RAKE SOFFIT-WEST @ CHILDREN'S EXIT
1 1/2" = 1'-0"

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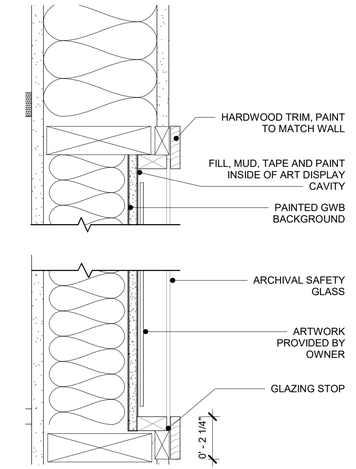
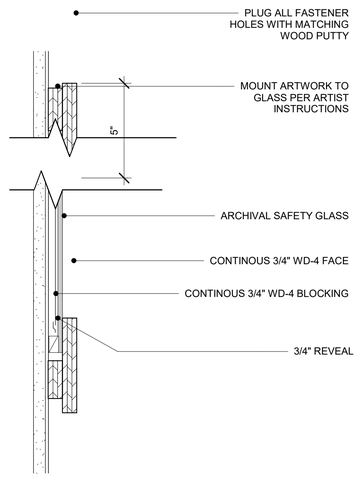
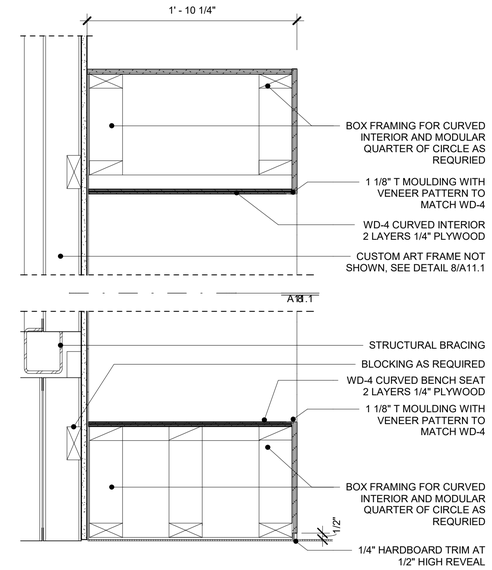


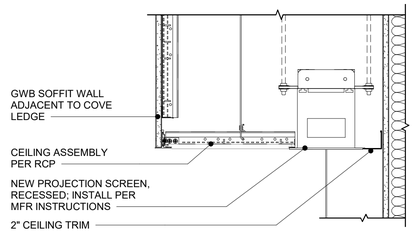
9 INT. DETAIL RECESSED ART DISPLAY TYP.
3" = 1'-0"



8 CHILDREN'S ART CUSTOM FRAME
3" = 1'-0"

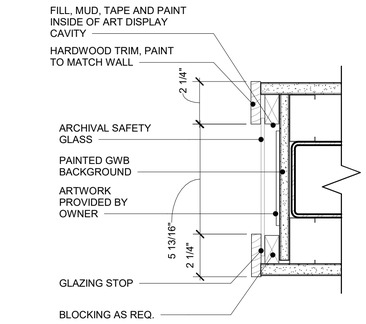


7 131 CHILDREN-CIRCLE BENCH
1 1/2" = 1'-0"

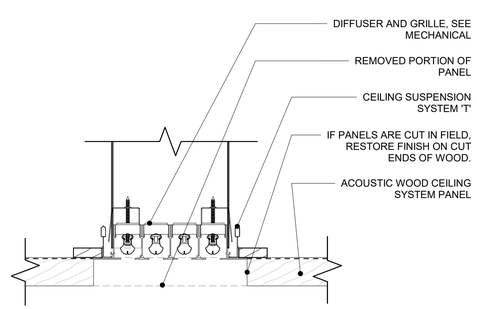


6 INT DETAIL-PROJECTION SCREEN-GATHERING
1 1/2" = 1'-0"

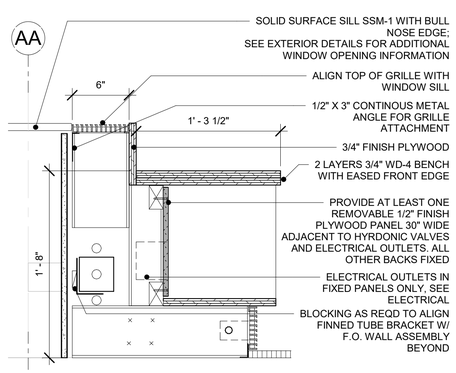
3 SECTION DETAIL-FIREPLACE
1 1/2" = 1'-0"



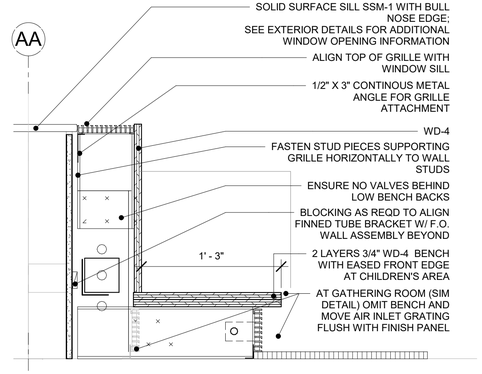
5 COLUMN WRAP- EXAMPLE ART INSET
3" = 1'-0"



4 INT SECTION DETAIL-DIFFUSER @ WOOD CEILING-TYP
3" = 1'-0"



2 INT DETAIL-BENCH AT CHILDRENS
1 1/2" = 1'-0"



1 INT DETAIL-LOW BENCH AT CHILDRENS (GATHERING SIM)
1 1/2" = 1'-0"

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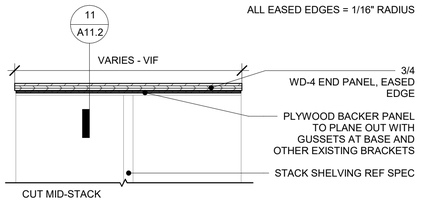
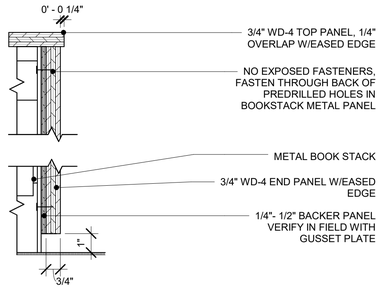
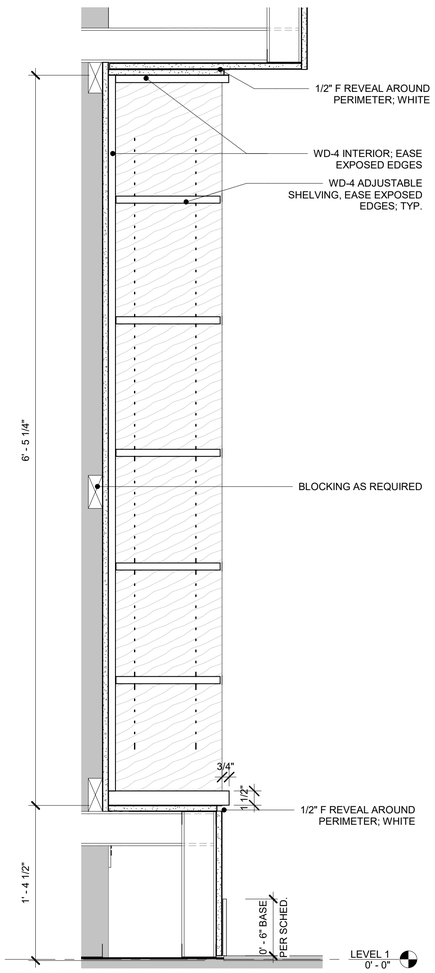


12 INT PLAN DETAIL-WOOD END PANEL
1 1/2" = 1'-0"



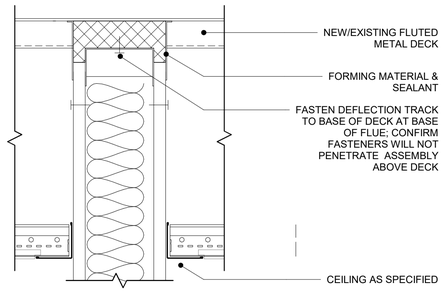
11 SECTION DETAIL-WOOD END & TOP PANEL
3" = 1'-0"



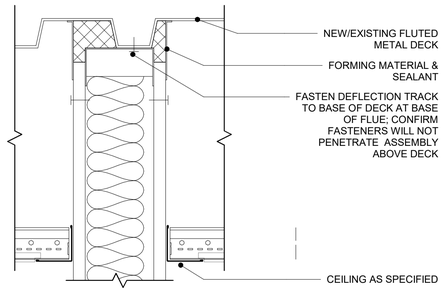
10 INT. DETAIL - FIREPLACE BOOKSHELVES
1 1/2" = 1'-0"

GENERAL ACOUSTIC PARTITION NOTES

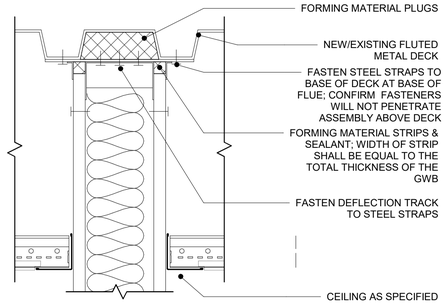
1. THESE DETAILS ADDRESS THE PREVENTION OF AIR PASSAGE (WHICH CARRIES SMOKE AND SOUND) AT THE TOP OF THE PARTITION. THE UL NUMBER IS LISTED AS A RESOURCE FOR ADDITIONAL INFORMATION. IF THE CODE PLAN AND INTERIOR PARTITION ASSEBLIES DO NOT ADDRESS FIRE RATED PARTITIONS, THEN THESE ARE TO BE REFERENCED FOR ACOUSTIC PURPOSES.
2. ALL FULL HEIGHT PARTITIONS, ALL PENETRATIONS (MEP, BRACING, ETC.) ARE TO BE ACOUSTICALLY SEALED, UNO.
3. DEEP LEG TRACK OR SLOTTED TRACK TO ALLOW 3/4" DEFLECTION (ICC ESR-1166); MAINTAIN DEFLECTION CAPACITY AND FIRERATING (IF APPLICABLE) AT ALL STRUCTURAL MEMBERS.
4. STUDS CUT 3/4" SHORT TO ALLOW 3/4" DEFLECTION.
5. AT TOP OF FINISH MATERIALS (UNO) PROVIDE 3/4" CLEAR SPACE TO ALLOW 3/4" DEFLECTION. DO NOT SCREW FINISH MATERIALS INTO TOP TRACK - FASTEN INTO STUDS ONLY.



C ACOUSTIC PARTITION - PERPENDICULAR TO FLUTES
UL 2079: SYSTEM NO. HW-D-0292

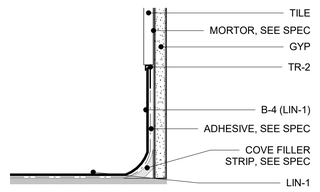


B ACOUSTIC PARTITION - OFFSET AND PARALLEL TO FLUTES
UL 2079: SYSTEM NO. HW-D-0295

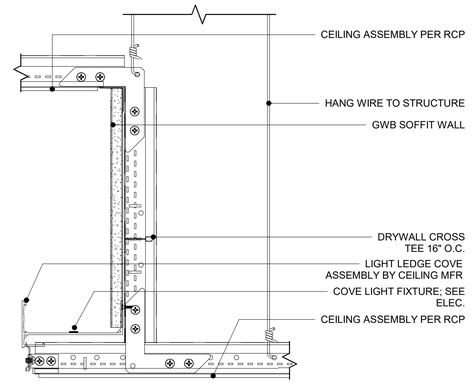


A ACOUSTIC PARTITION - BETWEEN PARALLEL FLUTES
UL 2079: SYSTEM NO. HW-D-0264

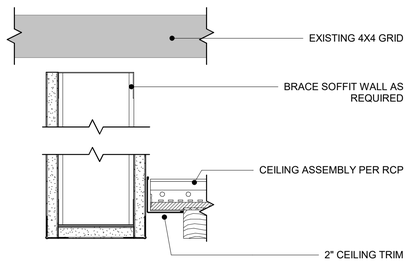
9 FULL HEIGHT WALL ASSEMBLIES
3" = 1'-0"



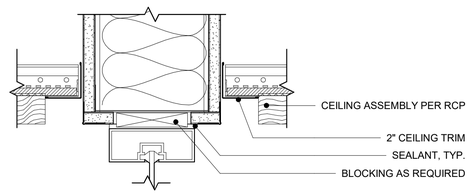
8 INT. DETAIL- LINOLIEM TO TILE TRANSITION
3" = 1'-0"



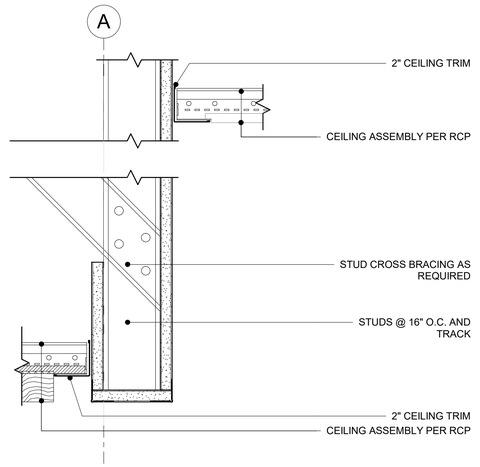
7 140 GATHERING-CEILING COVE DETAIL
3" = 1'-0"



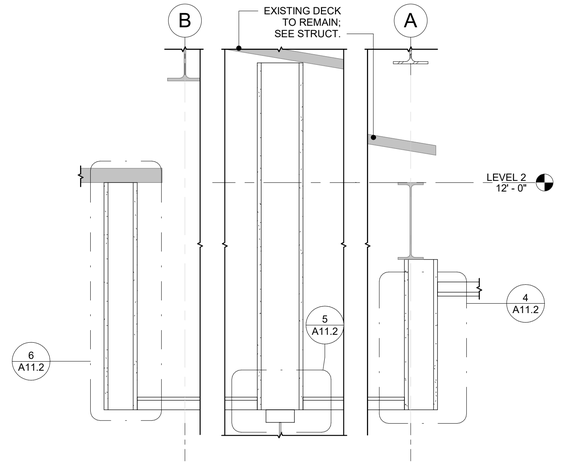
6 INT DETAIL-CEILING TRANSITION ACT-OPEN
3" = 1'-0"



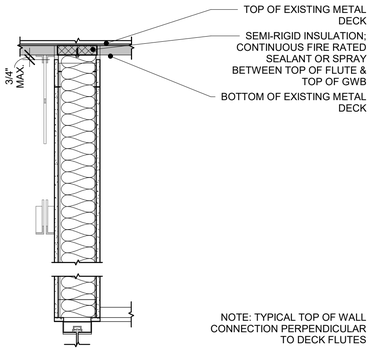
5 INT DETAIL-STOREFRONT HEADER
3" = 1'-0"



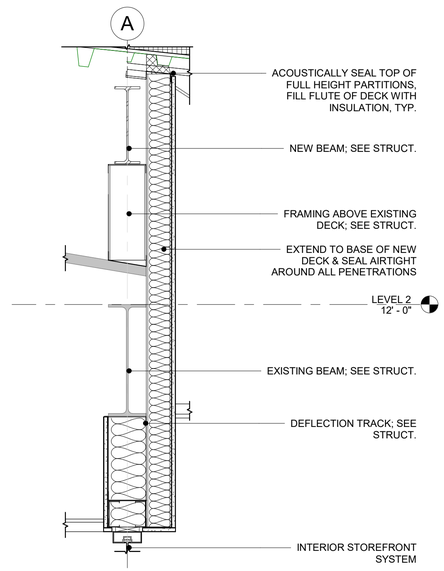
4 INT DETAIL CEILING TRANSITION ACT-WD
3" = 1'-0"



3 131 CHILDREN-INT STOREFRONT HEADER
1" = 1'-0"



2 122 STUDY 2-INT STOREFRONT HEADER DETAIL
1" = 1'-0"



1 INT STOREFRONT HEADER-TEEN & STUDY 1
1" = 1'-0"

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REVISION:
ISSUE DATE: 10.01.21
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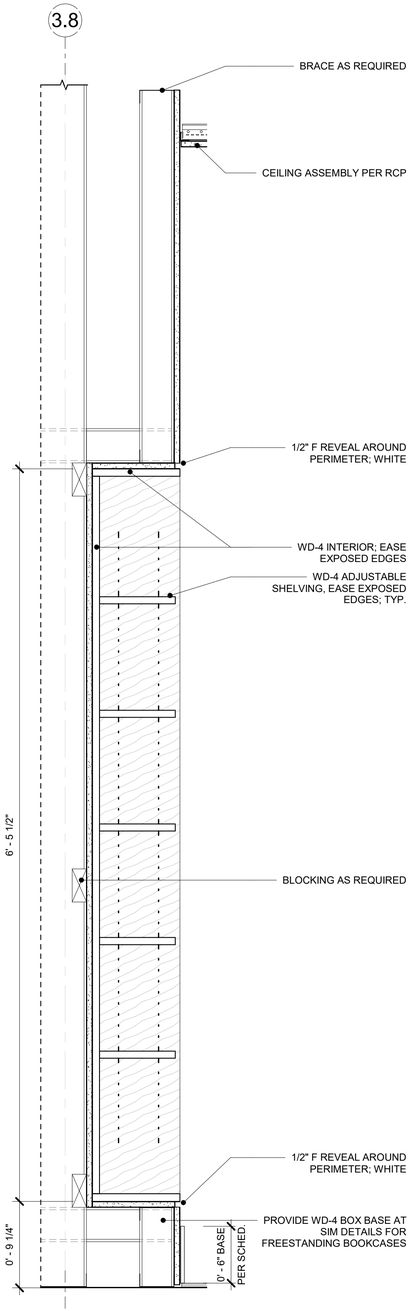
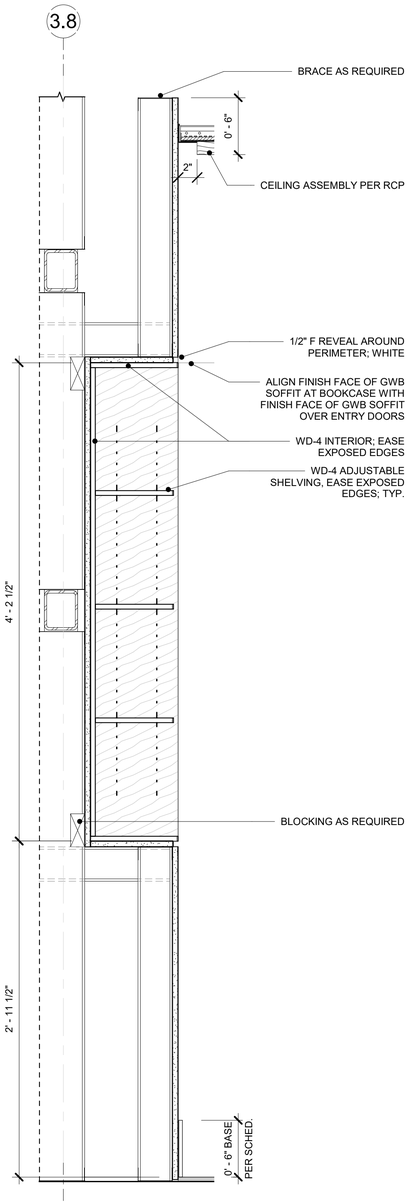
GENERAL NOTES-CASEWORK

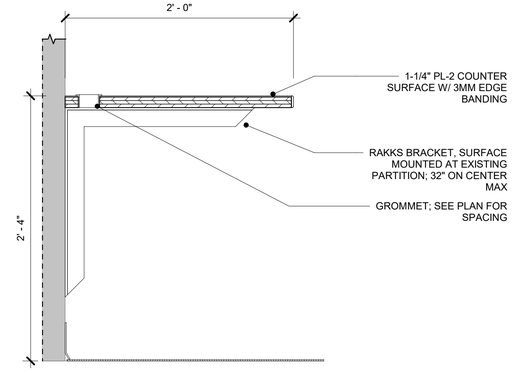
A. ALL DIMENSIONS ARE TO FACE OF FINISH UNLESS NOTED OTHERWISE.
B. FOR LOCATIONS OF DETAILS, REFERENCE INTERIOR ELEVATIONS.
C. FOR ADDITIONAL FINISH INFORMATION, REFERENCE FINISH LEGEND, FINISH PLAN, AND SPECIFIATIONS.
D. COORDINATE AND PROVIDE BACKING FOR MILLWORK AND ITEMS ATTACHED OR MOUNTED TO WALLS AND/OR CEILINGS.
E. SEE MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION ON PLUMBING FIXTURES.
F. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION ON LIGHTING FIXTURES.
G. DO NOT SCALE DRAWINGS. WRITTEN DIMENSIONS GOVERN. IN CASE OF CONFLICT, CONSULT THE ARCHITECT.



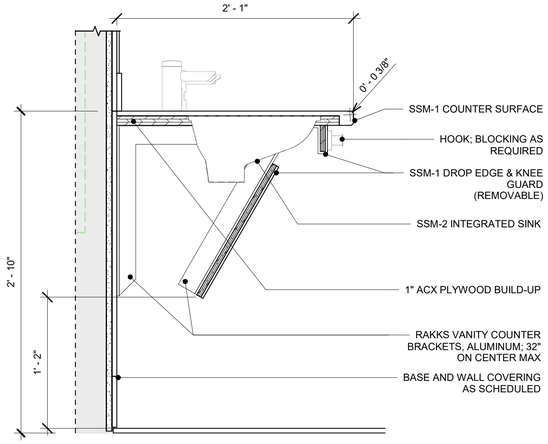
6 103 LOBBY-INT SECTION SHELVING
1 1/2" = 1'-0"



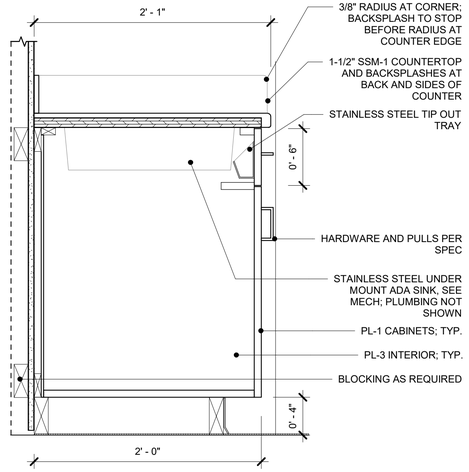
5 101 VESTIBULE-INT SECTION SHELVING
1 1/2" = 1'-0"



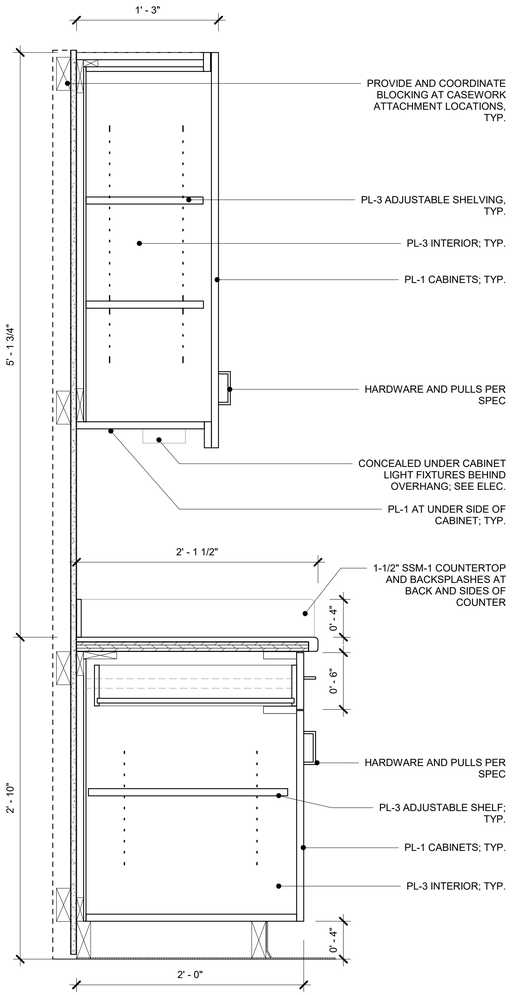
4 114 COMPUTERS-COUNTER DETAIL
1 1/2" = 1'-0"



3 105+106 RESTROOMS-COUNTER DETAIL AT SINK
1 1/2" = 1'-0"



2 140 GATHERING-ADA SINK DETAIL
1 1/2" = 1'-0"



1 140 GATHERING-CASEWORK SECTION
1 1/2" = 1'-0"

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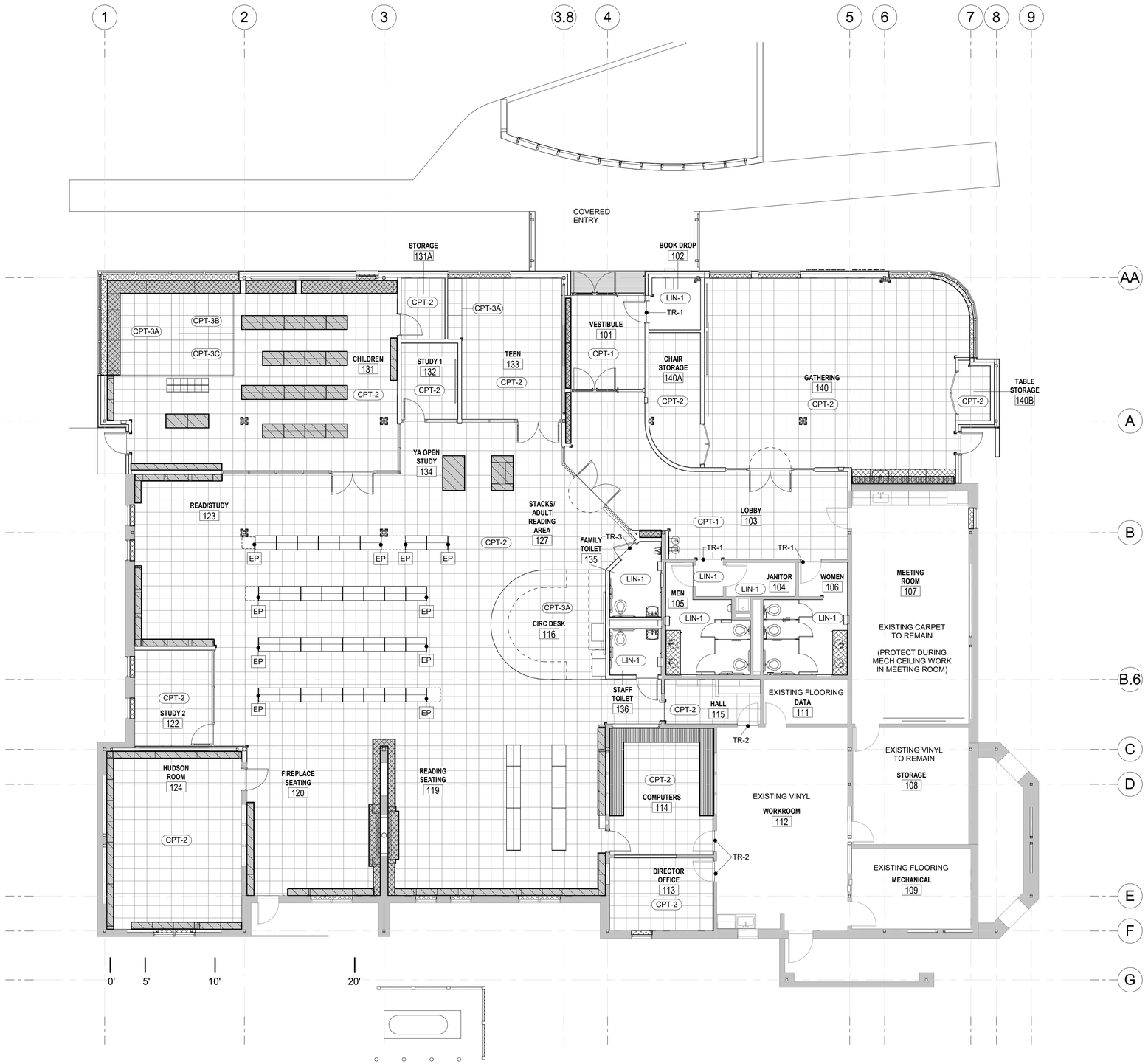
SHAWN S. WILSON
REGISTERED ARCHITECT
10-1-2021

INTERIOR DETAILS

AUTHOR: SSW CHECKED: KMZ
REVISION:
ISSUE DATE: 10.01.21
OWNER PROJECT NO: DPW 15105

A11.3
FULL SIZE PRINTED ON 22 x 34



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

GENERAL FINISH NOTES

A. REFER TO FINISH LEGEND, INTERIOR ELEVATIONS, & SPECIFICATIONS FOR ADDITIONAL FINISH INFORMATION. NOTIFY ARCHITECT IN THE EVENT OF A DISCREPANCY.
B. REFER TO THE FLOOR PLAN AND STACKS/SHELVING PLAN FOR ADDITIONAL INFORMATION ON NEW AND REPURPOSED SHELVING.
C. REFER TO SPECIFICATION FOR FOR SIGNAGE INFORMATION.
D. FLOORING GRAPHICS DO NOT REPRESENT ACTUAL LAYOUT. COORDINATE WITH ARCHITECT FOR FINAL TILE, FLOORING, & CARPET LAYOUT.
E. ENSURE SURFACES TO RECEIVE FINISHES ARE CLEAN, TRUE, AND FREE OF IRREGULARITIES. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
F. REPAIR EXISTING SURFACES TO REMAIN AS REQUIRED FOR APPLICATION OF NEW FINISHES.
G. AREAS THAT ARE TO BE REPAINTED AND HAVE NO OTHER WORK OCCURING, MAY HAVE UP TO 5% WALL AREA NEEDING TO BE REPAIRED PRIOR TO REPAINTING.

FINISH SCHEDULE

#	ROOM	FLOOR	BASE	WALL
101	VESTIBULE	CPT-1	B-1	PT-1
102	BOOK DROP	LIN-1	B-3	PT-1
103	LOBBY	CPT-1, LIN-1	B-1	PT-1, PT-7, WD-4, WC-2A
104	JANITOR	LIN-1	B-4	PT-1, WC-1
105	MEN	LIN-1	B-4	PT-1, CT-2A, CT-2B
106	WOMEN	LIN-1	B-4	PT-1, CT-2A, CT-2B
107	MEETING ROOM	EXIST	EXIST	EXIST
108	STORAGE	EXIST	EXIST	PT-1
109	MECHANICAL	EXIST	EXIST	EXIST
111	DATA	EXIST	EXIST	EXIST
112	WORKROOM	EXIST	EXIST	EXIST
113	DIRECTOR OFFICE	CPT-2	B-3	PT-1, WC-2B
114	COMPUTERS	CPT-2	B-2	PT-1
115	HALL	CPT-2	B-3	PT-1, WC-2B
116	CIRC DESK	CPT-3A	B-2	PT-1
119	READING SEATING	CPT-2	B-2	PT-1, WD-4
120	FIREPLACE SEATING	CPT-2	B-2	PT-1, WD-4
122	STUDY 2	CPT-2	B-2	PT-1, PT-4, WC-2A
123	READ/STUDY	CPT-2	B-2	PT-7
124	HUDSON ROOM	CPT-2	B-2	PT-1, WD-4
127	STACKS/ ADULT READING AREA	CPT-2	B-2	PT-1, WD-4
131	CHILDREN	CPT-2, CPT-3A, CPT-3B, CPT-3C	B-2	PT-1, PT-4, PT-5, PT-6, WD-4, WC-2A
131A	STORAGE	CPT-2	B-2	PT-1
132	STUDY 1	CPT-2	B-2	PT-1, PT-6, WC-2A
133	TEEN	CPT-2, CPT-3A	B-2	PT-1, PT-5, WC-2A
134	YA OPEN STUDY	CPT-2	B-2	PT-1
135	FAMILY TOILET	LIN-1	B-4	PT-1, WC-1
136	STAFF TOILET	LIN-1	B-4	PT-1, WC-1
140	GATHERING	CPT-2	B-2	PT-1, WD-4, WC-2A
140A	CHAIR STORAGE	CPT-2	B-3	PT-1
140B	TABLE STORAGE	CPT-2	B-3	PT-1

FINISH PLAN LEGEND

- CASEWORK; SEE SPECIFICATION, INTERIOR ELEVATIONS, AND FINISH LEGEND
- HORIZ. SOLID SURFACE MATERIAL; SSM-1
- ARCHITECTURAL WOODWORK ITEMS; WD-4
- ARCHITECTURAL WOODWORK BOOK SHELF TOPPERS & SIDES; WD-4
- EP — END PANEL, WD-4
- CORNER GUARDS, SEE FINISH LEGEND

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STATE OF ALASKA 49TH
10.1.2021

FINISH PLAN & SCHEDULE

AUTHOR: SSW CHECKED: SC
REVISION:
ISSUE DATE: 10.01.21
OWNER PROJECT NO: DPW 15105

A12.1

FULL SIZE PRINTED ON 22 x 34

INTERIOR FINISH & MATERIAL LEGEND

NOTE: FOR ALL FINISHES, SEE SPECIFICATIONS

WALL COVERING

WC-1 WALL COVERING
MFR: INPRO
PRODUCT: G2 BIOBLEND SHEET
COLOR: BRIGHT WHITE (A) P9011
SIZE: SEE INTERIOR ELEVATIONS
TRIM: MFR SOLID COLOR TRIM TO MATCH (SIDES, CORNERS, AND TOP)
LOCATION: FAMILY & STAFF RESTROOM
COMMENTS: FULLY ADHERED SHEET. BASE TO BE INSTALLED OVER SHEET. SEE FINISH PLAN & FINISH SCHEDULE

WC-2A WALL COVERING-TACKABLE
MFR: FORBO
PRODUCT: BULLETIN BOARD
COLOR/FINISH: 2182 POTATO SKIN
SIZE: SEE INTERIOR ELEVATIONS
TRIM: SCHLUTER W/ ROUNDED CORNERS; STAINLESS, SATIN
INSTALLATION: FORBO L 910W ADHESIVE
LOCATION: LOBBY, GATHERING, STUDY, TEEN

WC-2B WALL COVERING-TACKABLE
MFR: FORBO
PRODUCT: BULLETIN BOARD
COLOR/FINISH: 2212 FRESH PINEAPPLE
SIZE: SEE INTERIOR ELEVATIONS
TRIM: SCHLUTER W/ ROUNDED CORNERS; STAINLESS, SATIN
INSTALLATION: FORBO L 910W ADHESIVE
LOCATION: HALL, DIRECTOR

WINDOW SHADE

WS-1 MANUAL WINDOW SHADE
MFR: MECHO
PRODUCT (BRACKET):
-MECHO/5X
PRODUCT (SHADE):
-ACOUSTIVEIL DIMOUT, 0-1% OPEN
-COLOR: 0893 PEARL GREY
PRODUCT (FASCIA):
-REGULAR ROLL SNAPLOC FASCIA
-END CAPS
-BACK PLATE WHERE SHADE OVERLAPS GLAZING
-FINISH TO MATCH WINDOW MULLION
ACCESSORIES: SPRING-TENSIONED CHAIN RETAINER
SIZE: SEE OPENING TYPES
INSTALLATION: TOP MOUNTED
LOCATION: GATHERING; SEE RCP & OPENING TYPES
COMMENTS: GAP BETWEEN SHADES NOT TO EXCEED MULLION WIDTH

WOOD

WD-4 FINISH PLYWOOD
DESCRIPTION: VENEER FINISH PLYWOOD
FINISH: STAIN; SEE SPECIFICATION
SIZE/LOCATION:SEE FINISH PLAN & INTERIOR ELEVATIONS.

TOILET PARTITIONS

TSP-1 TOILET STALL PARTITIONS
MFR: SCRANTON PRODUCTS
PRODUCT: HINY HIDERS
COLOR: GREY
FINISH: ORANGE PEEL; SEE SPECIFICATION
SIZE/LOCATION: RESTROOMS; INTERIOR ELEVATIONS.

PLASTIC LAMINATE

PL-1 PLASTIC LAMINATE
MFR: WILLIS
PRODUCT: FENIX NTM
COLOR: GRIGIO LONDRA 0718
EDGE BANDING: FENIX NTM 2935E GRIGIO LONDRA
LOCATION: CASEWORK-VERTICAL
COMMENTS: SEE FINISH PLAN AND INTERIOR ELEVATIONS.

PL-2 PLASTIC LAMINATE
MFR: FORMICA
PRODUCT: LAMINATE-COMMERCIAL
COLOR: SARUM TWILL 8827
FINISH: MATTE 58
EDGE BANDING (COUNTER): 3MM TO MATCH
EDGE BANDING (BACKSPLASH): TO MATCH
LOCATION: CASEWORK-EXPOSED HORIZONTAL
COMMENTS: SEE FINISH PLAN AND INTERIOR ELEVATIONS.

PL-3 PLASTIC LAMINATE
MFR: FORMICA
PRODUCT: LAMINATE-COMMERCIAL
COLOR: GRAYSTONE 464
FINISH: MATTE 58
EDGE BANDING (EXPOSED STORAGE SHELVING): 3MM TO MATCH
EDGEBANDING (CONCEALED CASEWORK INTERIOR & SHELVING): TO MATCH
LOCATION: SEE FINISH PLAN & INTERIOR ELEVATIONS
COMMENTS: EXPOSED STORAGE SHELVING (TOP & BOTTOM); CONCEALED CASEWORK INTERIORS & SHELVING (TOP & BOTTOM)

SOLID SURFACE

SSM-1 SOLID SURFACE
MFR: LG HAUSYS
PRODUCT: HI-MACS
COLOR: NAPLES M904
BACKSPLASH: TO MATCH
LOCATION: GATHERING, MENS & WOMENS RESTROOMS (W/ SSM-2 SINKS), WINDOW SILLS THROUGHOUT
SIZE: SEE FINISH PLAN, INTERIOR ELEVATIONS, & INTERIOR DETAILS
COMMENTS: FINISH EDGE ALL EXPOSED SIDES

SSM-2 SOLID SURFACE (SOLID SINKS)
MFR: LG HAUSYS
PRODUCT: HI-MACS; ADA 1.0 SINK 1419
COLOR: IVORY WHITE S029
LOCATION: SEE FINISH PLAN & INTERIOR ELEVATIONS
(ALSO NOTED AS P-3H ON THE PLUMBING FIXTURES SCHEDULE)

FLOOR TRANSITION

TR-1 TRANSITION (CARPET TO LINOLEUM)
MFR: SCHLUTER SYSTEMS
PRODUCT: SCHIENE EDGE TRIM OR SIMILAR
FINISH: SATIN STAINLESS STEEL
THICKNESS: COORDINATE FLOORING THICKNESS W/ SCHLUTER SIZE.
LOCATION: SEE FINISH PLAN
SIZE: SEE DOOR SCHEDULE

TR-2 TRANSITION (TILE TO LINOLEUM)
MFR: SCHLUTER SYSTEMS
PRODUCT: SCHIENE EDGE TRIM OR SIMILAR
FINISH: SATIN STAINLESS STEEL
THICKNESS: COORDINATE FLOORING THICKNESS W/ SCHLUTER SIZE.
LOCATION: SEE FINISH PLAN & DETAIL
SIZE: SEE DOOR SCHEDULE
COMMENTS:

GROUT

GR-1 GROUT (FLOOR)
BASIS OF DESIGN: EPOXY; SEE SPECIFICATION
COLOR/FINISH: MAPEI IRON 107
SIZE: 1/8 INCH
LOCATION: SEE FINISH LEGEND (CERAMIC TILE)

GR-2 GROUT (WALL)
BASIS OF DESIGN: EPOXY; SEE SPECIFICATION
COLOR: MAPEI WARM GRAY 93
SIZE: 1/8 INCH TO 3/16 INCH
LOCATION: SEE FINISH LEGEND (CERAMIC TILE)

LINOLEUM FLOORING

LIN-1 LINOLEUM SHEET FLOORING
MFR: TARKETT
PRODUCT: LINOFLOOR XF2
PATTERN: VENETO
COLOR: SHADED 703
BASE (WET LOCATIONS): B-4
BASE (DRY LOCATIONS): B-3
LOCATION: SEE FINISH PLAN
COMMENTS: WELDING ROD TO MATCH, FROM SAME MFR.

LIBRARY ACCESSORIES

LA-1 PASSPORT PHOTO SCREEN
PRODUCT/SIZE: SEE LIBRARY SPECIALTIES SPECIFICATIONS
LOCATION: NORTH OF CIRCULATION DESK, SEE RCP AND INTERIOR ELEVATIONS

METAL

MT-1 STAINLESS STEEL WALL COVERING
PRODUCT/MATERIAL:BACKER/SURROUND FOR WATER FOUNTAINS SEE 055000 SPECIFICATION
SIZE: SEE INTERIOR ELEVATIONS
LOCATION: LOBBY WATER FOUNTAIN

PAINT-INTERIOR

PT-1 INTERIOR PAINT (MAIN)
BASIS OF DESIGN: SEE SPECIFICATIONS
COLOR: CRUSHED ICE 7647

PT-2 INTERIOR PAINT (CEILING)
BASIS OF DESIGN: SEE SPECIFICATIONS
COLOR: CRUSHED ICE SW 7647

PT-3 INTERIOR PAINT (TRIM)
BASIS OF DESIGN: SEE SPECIFICATIONS
COLOR: SILVERPLATE SW 7649

PT-4 INTERIOR PAINT (ACCENT)
BASIS OF DESIGN: SEE SPECIFICATIONS
COLOR: SW 6494 LAKESHORE
LOCATION: CHILDRENS, STUDY 2, SEE ELEVATION

PT-5 INTERIOR PAINT (ACCENT)
BASIS OF DESIGN: SEE SPECIFICATIONS
COLOR: SW 9018 HONEY BEES
LOCATION: CHILDRENS,TEEN, SEE ELEVATION

PT-6 INTERIOR PAINT (ACCENT)
BASIS OF DESIGN: SEE SPECIFICATIONS
COLOR: SW 6634 COPPER HARBOR
LOCATION: CHILDRENS, STUDY 1, SEE ELEVATION

PT-7 INTERIOR PAINT (ACCENT)
BASIS OF DESIGN: SEE SPECIFICATIONS
COLOR: SW 2613 HALCYON GREEN
LOCATION: ENTRY, READING, SEE ELEVATION

FILM

FM-1 INTERIOR WINDOW FILM (SEMI-OPAQUE)
BASIS OF DESIGN: SEE SPECIFICATION
COLOR/FINISH: SEMI-OPAQUE; SEE SPECIFICATION
SIZE/LOCATION: SEE OPENING TYPES AND SPECS

FM-2 INTERIOR WINDOW FILM (TRANSPARENT)
BASIS OF DESIGN: SEE SPECIFICATION
COLOR/FINISH: TRANSPARENT; SEE SPECIFICATION
SIZE/LOCATION: SEE OPENING TYPES AND SPECS

EXAMPLE CUTOUT SHAPES FOR INTERIOR GLAZING SPACED 2'-0" OC TYPICAL

CEILING SYSTEM

ACT-2: ACOUSTIC CEILING TILE
MFR: ARMSTRONG
PRODUCT: ULTIMA, TEGULAR
MATERIAL: SUSPENDED ACOUSTICAL TILE, LAY-IN
COLOR: WHITE
SIZE: 2' X 2'
GRID: 15/16" TEGULAR, WHITE
LOCATION: SEE RCP

WD-1: WOODWORKS GRILLE
MFR: ARMSTRONG
PRODUCT: WOODWORKS GRILLE, TEGULAR
MATERIAL: WOOD
FINISH: NATURAL VARIATIONS BEECH
SIZE: 2' X 2'
GRID: 15/16 INCH TEGULAR, BLACK
LOCATION: SEE RCP

GWB-1: GYPSUM BOARD
MFR: SEE SPECIFICATIONS
MATERIAL: GYPSUM BOARD, TYPE X
THICKNESS: 5/8"
FINISH: PT-2
SIZE: 2' X 2', 15/16 INCH TEGUALR
LOCATION: SEE RCP

CERAMIC TILE

CT-2A CERAMIC TILE (WALL)
MFR: ARCHITECTURAL SURFACES
PRODUCT: MORE
STYLE: NATURAL
COLOR: BIANCO
GROUT: GR-2
SIZE: 12 BY 24 INCH
INSTALLATION: STACK
LOCATION: SEE FINISH SCHEDULE & INTERIOR ELEVATIONS

CT-2B CERAMIC TILE (WALL)
MFR: ARCHITECTURAL SURFACES
PRODUCT: MORE
STYLE: DESIGN
COLOR: BIANCO
GROUT: GR-2
SIZE: 12 BY 24 INCH
INSTALLATION: STACK
LOCATION: SEE FINISH SCHEDULE & INTERIOR ELEVATIONS

CORNER GUARD

CG-1 CORNER GUARD (MAIN WALL COLOR)
MFR: ACROVYN
PRODUCT: VA SERIES WITH TAPE
COLOR: PEARL #934
SIZE: 1 1/2 INCH WINGS; FULL HEIGHT FROM TOP OF BASE TO CEILING
LOCATION: PT-1 WALLS, ALL OUTSIDE EXPOSED CORNERS, UNO.
COMMENTS: SEE FINISH SCHEDULE FOR BASE HEIGHT & RCP FOR CEILING HEIGHT

CG-2 CORNER GUARD (ACCENT WALL COLORS)
MFR: ACROVYN
PRODUCT: VA SERIES WITH TAPE
COLOR: FOLKSTONE #927
SIZE: 1 1/2 INCH WINGS; FULL HEIGHT FROM TOP OF BASE TO CEILING
LOCATION: ACCENT COLOR WALLS, ALL OUTSIDE EXPOSED CORNERS, UNO.
COMMENTS: SEE FINISH SCHEDULE FOR BASE HEIGHT & RCP FOR CEILING HEIGHT

ACOUSTIC LIGHT FIXTURES

AF-3A ACOUSTICAL FIXTURE (SEE ELEC.)
MFR/PRODUCT: BUZZISPACE, BUZZIDOME
FINISH/COLOR: TERVIRA CS, HAZY PETROL 9602
LOCATION: TEEN, SEE RCP
COMMENTS: SEE ELEVATION FOR MOUNTING HEIGHTS.

AF-3B ACOUSTICAL FIXTURE (SEE ELEC.)
NOTE: SAME AS AF-3A EXCEPT FINISH/COLOR
FINISH/COLOR: TERVIRA CS, HAZY GREEN 9704

AF-3C ACOUSTICAL FIXTURE (SEE ELEC.)
NOTE: SAME AS AF-3A EXCEPT FINISH/COLOR
FINISH/COLOR: TERVIRA CS, HAZY PISTACHE 9702

BASE

B-1 WALL BASE
MFR: TARKETT
PRODUCT: MILLWORK, MANDALAY
MATERIAL: THERMOSET RUBBER (TS)
COLOR/FINISH: 29 MOON ROCK WG
SIZE: 6"
COMMENTS: MITERED CORNERS TO BE GLUED TOGETHER W/ MFR PREMIUM CONTACT ADHESIVE.

B-2 WALL BASE
MFR: TARKETT
PRODUCT: MILLWORK, MONUMENT
COLOR/FINISH: 29 MOON ROCK WG
SIZE: 4"
COMMENTS: MITERED CORNERS TO BE GLUED TOGETHER W/ MFR PREMIUM CONTACT ADHESIVE.

B-3 WALL BASE
MFR: TARKETT
PRODUCT: BASEWORKS
MATERIAL: THERMOSET RUBBER (TS)
STYLE: TOE
COLOR/FINISH: 29 MOON ROCK WG
SIZE: 4" W/ TOE, COIL

B-4 WALL BASE (LIN-1 COVE)
MFR/PRODUCT/COLOR: SEE LIN-1
SIZE: 6"
TRIM: SCHLUTER TRIM

CARPET

CPT-1 WALK OFF CARPET
MFR: MILLIKEN
PRODUCT: OBEX TILE CUT/STRUM
COLOR: SMC27 – 173 GREY
SIZE: 19.7 INCH X 19.7 INCH
TRIM: MFR TRIM/RAMP, ALL SIDES
INSTALLATION: MONOLITHIC

CPT-2 CARPET (MAIN)
MFR: MILLIKEN
PRODUCT: JOURNAL LINE BY LINE
COLOR: MANUSCRIPT W/ AQUA & LEMON
SIZE: 19.7 INCH X 19.7 INCH
INSTALLATION: ASHLAR
LOCATION: SEE FINISH PLAN
COMMENTS: CONFIRM THAT LINEAR ACCENTS OF THE SAME COLOR DO NOT ALIGN FOR MORE THAN TWO TILES.

CPT-3A CARPET (ACCENT)
MFR: MILLIKEN
PRODUCT: FORMWORK
COLOR: FWK229 OCEAN DEPTH
SIZE/INSTALLATION: 19.7 INCH X 19.7 INCH, MONOLITHIC INSTALL
LOCATION: SEE FINISH PLAN
COMMENTS: IN CHILDRENS -CUT DIAGONALLY IN HALF, BLEND W/ CPT-3B & CPT-3C

CPT-3B CARPET (ACCENT)
NOTE: SAME AS CPT-3A EXCEPT COLOR
COLOR: FWK141 APPLE
COMMENTS: CUT DIAGONALLY IN HALF, BLEND W/ CPT-3A & CPT-3C, MONOLITHIC INSTALL

CPT-3C CARPET (ACCENT)
NOTE: SAME AS CPT-3A EXCEPT COLOR
COLOR: FWK231 DORIC
COMMENTS: CUT DIAGONALLY IN HALF, BLEND W/ CPT-3A & CPT-3B, MONOLITHIC INSTALL

EXTERIOR FINISH LEGEND

NOTE:
1. FOR ALL FINISHES, SEE SPECIFICATIONS
2. ALL FLASHING TO BE PAINTED (MPT-1) UNLESS NOTED OTHERWISE; MPT LOCATIONS TO BE COORDINATED WITH ARCHITECT

MPT-1 EXTERIOR METAL PAINT
COLOR: SW 7068 GRIZZLE GRAY

PT-10 EXTERIOR PAINT (SIDING)
COLOR: SW 6244 NAVAL

PT-11 EXTERIOR PAINT (TRIM)
COLOR: SW 7042 SHOJI WHITE

PT-12 EXTERIOR PAINT
COLOR: SW 9138 STARDEW

RP-2 RESIN PANEL (CANTED SOFFIT-MAIN ENTRY)
COLOR/FINISH: PARKLEX COPPER, SEE SPEC

WD-2 WOOD (SOFFIT-MAIN ENTRY)
DESCRIPTION: PLYWOOD (EXTERIOR)
FINISH: PT-12

WD-3 PLYWOOD (SOFFIT-MATCH EXISTING)
DESCRIPTION: PLYWOOD (EXTERIOR), MATCH EXISTING
FINISH: PT-12

WD-3E EXISTING PLYWOOD (EXISTING SOFFIT)
DESCRIPTION: EXISTING (EXTERIOR) PLYWOOD
FINISH: PT-12

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FINISH LEGEND

AUTHOR: SSW
CHECKED: SC
REVISION:
ISSUE DATE: 10.01.21
OWNER PROJECT NO: DPW 15105

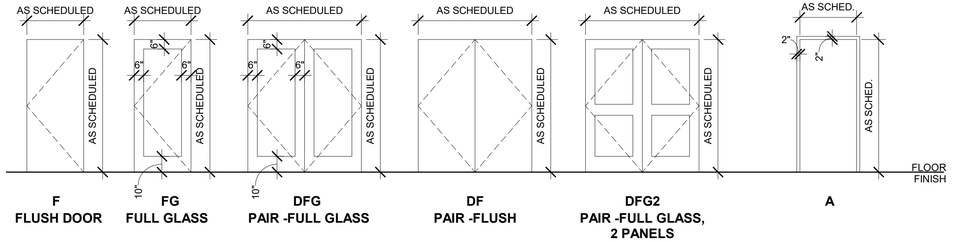
A12.2

FULL SIZE PRINTED ON 22 x 34

DOOR AND FRAME SCHEDULE

Mark	Door Size Width	Door Size Height	Door Type	Door Material	Door Finish	Frame Type	Frame Material	Frame Finish	Fire Rating	Access Controls	Comments
101A	6' - 4"	7' - 0"	DFG2	ALUM	FAC	SFS	ALUM	FAC		HARD WIRED	
101B	6' - 4"	7' - 0"	DFG2	ALUM	FAC	SFS	ALUM	FAC			
102	3' - 0"	7' - 0"	F	WD	FAC	KD	HM	PT-3	20 MIN		
114A	3' - 0"	7' - 0"	FG	WD	FAC	EXIST	EXIST	PT-3			
122	3' - 0"	7' - 0"	FG	ALUM	FAC	SFS	ALUM	FAC			
124	3' - 0"	7' - 0"	FG	WD	FAC	EXIST	EXIST	PT-3			
127	6' - 0"	7' - 0"	DFG2	ALUM	FAC	SFS	ALUM	FAC			
131	6' - 0"	7' - 0"	DFG	ALUM	FAC	SFS	ALUM	FAC			
131A	3' - 0"	7' - 0"	F	WD	FAC	KD	HM	PT-3	-	-	
131B	3' - 0"	7' - 0"	F	FRP	FAC	FRP	FRP	FAC			DELAYED EGRESS ALARMED
132	3' - 0"	7' - 0"	FG	ALUM	FAC	SFS	ALUM	FAC			
133	6' - 0"	7' - 0"	FG	ALUM	FAC	SFS	ALUM	FAC			
135	3' - 0"	7' - 0"	F	WD	FAC	KD	HM	PT-3			
136	3' - 0"	7' - 0"	F	WD	FAC	KD	HM	PT			
140	6' - 0"	7' - 0"	DFG2	ALUM	FAC	SFS	ALUM	FAC	-	HARD WIRED	
140A	5' - 8"	7' - 0"	DF	WD	FAC	KD	HM	PT-3	-	-	
140B	6' - 0"	7' - 0"	DF	WD	FAC	KD	HM	PT-3	-	-	
140C	3' - 0"	7' - 0"	F	FRP	FAC	FRP	FRP	FF			ALARMED
e103	3' - 0"	6' - 8"	EXIST	EXIST	PT	EXIST	EXIST	PT-3			
e104	3' - 0"	6' - 8"	EXIST	EXIST-WD	PT	EXIST	EXIST	PT-3			
e105	3' - 0"	6' - 8"	EXIST	EXIST-WD	PT	EXIST	EXIST-HM	PT-3			
e106	3' - 0"	6' - 8"	EXIST	EXIST-WD	PT	EXIST	EXIST	PT-3			
e108A	3' - 6"	6' - 8"	EXIST	EXIST-WD	PT	EXIST	EXIST	PT-3			
e108B	3' - 0"	6' - 8"	EXIST	EXIST-WD	PT	EXIST	EXIST	PT-3			
e109	3' - 6"	6' - 8"	EXIST	EXIST-WD	PT	EXIST	EXIST	PT-3			
e110	3' - 6"	6' - 8"	EXIST	EXIST-HM	PT	EXIST	EXIST	PT-3		HARD WIRED	
e111	3' - 0"	6' - 8"	EXIST	EXIST-WD	PT	EXIST	EXIST	PT-3			
e113	3' - 0"	6' - 8"	EXIST	EXIST-WD	PT	EXIST	EXIST	PT-3			
e114B	3' - 0"	7' - 0"	EXIST	EXIST-WD	PT	EXIST	EXIST	PT-3			
e115A	0' - 0"	0' - 0"	-	-	-	-	EXIST	PT-3			DOOR OPENING ONLY
e115B	3' - 0"	6' - 8"	EXIST	EXIST-HM	PT	EXIST	EXIST	PT-3			
e120	3' - 0"	6' - 8"	EXIST	EXIST-HM	PT	EXIST	EXIST	PT-3			

DOOR LEGEND



F FLUSH DOOR | FG FULL GLASS | DFG PAIR -FULL GLASS | DF PAIR -FLUSH | DFG2 PAIR -FULL GLASS, 2 PANELS | A

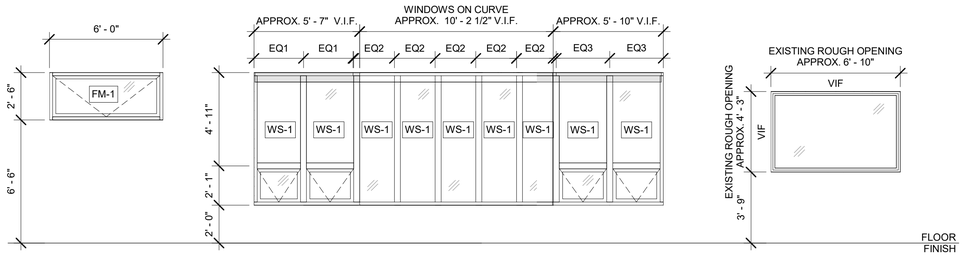
FRAME LEGEND

ABBREVIATIONS:

ALUM: ALUMINUM
CLR: CLEAR
EXIST/EX: EXISTING
FAC: FACTORY FINISH
FM: WINDOW FILM
FRP: FIBERGLASS REINFORCED PLASTIC
HM: HOLLOW METAL
IHM: INSULATED HOLLOW METAL
KD: KNOCK DOWN
PT: PAINT
SIM: SIMILAR
SFS: STORE FRONT SYSTEM
SG: SAFETY GLAZING
TYP: TYPICAL
WD: WOOD
WLD: WELDED
WS: WINDOW SHADE
VIF: VERIFY IN FIELD

GENERAL NOTES:

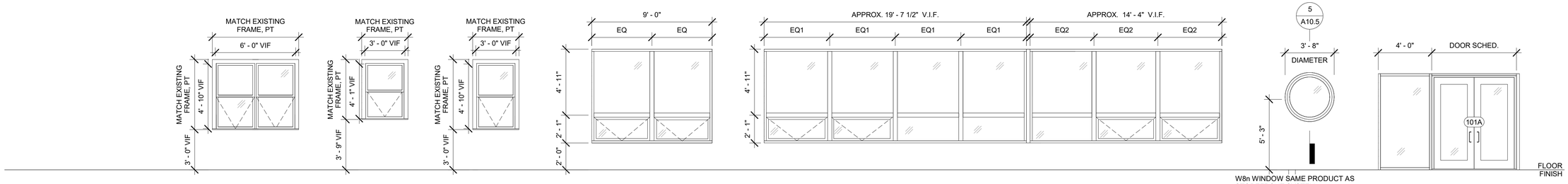
1. VERIFY SAFETY GLAZING (SG) LOCATIONS AS REQUIRED BY CURRENT APPLICABLE CODES AND AMENDMENTS.
2. FIELD VERIFY ALL ROUGH OPENING DIMENSIONS.
3. DOOR THICKNESS PER MFR & DOOR TYPE SPECIFIED.
4. SEE INTERIOR DETAILS FOR TYPICAL INTERIOR HINGED DOOR JAMB (HEAD SIMILAR)
5. DASHED LINE INDICATES OPERABLE WINDOW OR DOOR.
6. ALL OPERABLE WINDOWS ARE TO RECIEVE WINDOW SCREEN ON EXTERIOR. SAME MFR AS WINDOWS. SEE SPECIFICATIONS FOR INSTALL INFORMATION.



16 W9n-GATHERING 1/4" = 1'-0"

15 S9-GATHERING 1/4" = 1'-0"

14 W7n-COMPUTERS 1/4" = 1'-0"



13 W3n 1/4" = 1'-0"

12 W2n 1/4" = 1'-0"

11 W1n 1/4" = 1'-0"

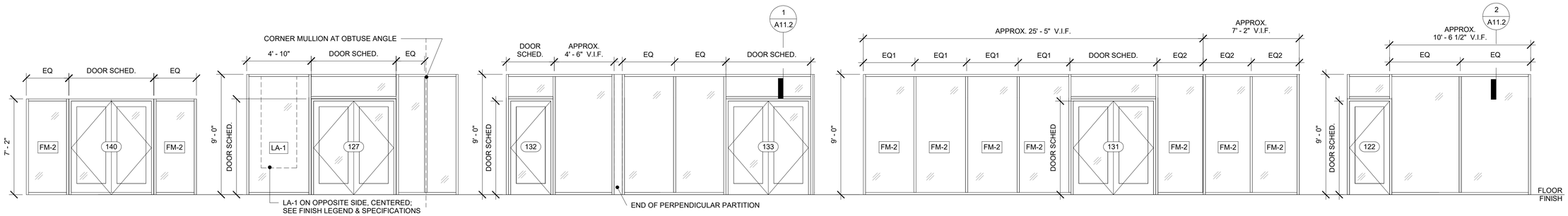
10 S8-TEEN'S 1/4" = 1'-0"

9 S7-CHILDREN NORTH 1/4" = 1'-0"

8 S7-CHILDREN WEST 1/4" = 1'-0"

7 W8n (W8) -CHILDREN 1/4" = 1'-0"

6 S6-VESTIBULE 1/4" = 1'-0"



5 S4-GATHERING 1/4" = 1'-0"

4 S4-ENTRY 127 1/4" = 1'-0"

3 S3-TEEN & STUDY 1 1/4" = 1'-0"

2 S2 STOREFRONT TYPE-CHILDREN'S 1/4" = 1'-0"

1 S1 STOREFRONT TYPE-STUDY 2 1/4" = 1'-0"

ECI ARCHITECTURE DESIGN STRATEGY
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10-1-2021
REGISTERED PROFESSIONAL

DOOR & OPENING TYPES & SCHEDULE

AUTHOR: SSW CHECKED: SC
REVISION:
ISSUE DATE: 10.01.21
OWNER PROJECT NO: DPW 15105

A12.3

FULL SIZE PRINTED ON 22 x 34

STACKS / SHELVING NOTES:

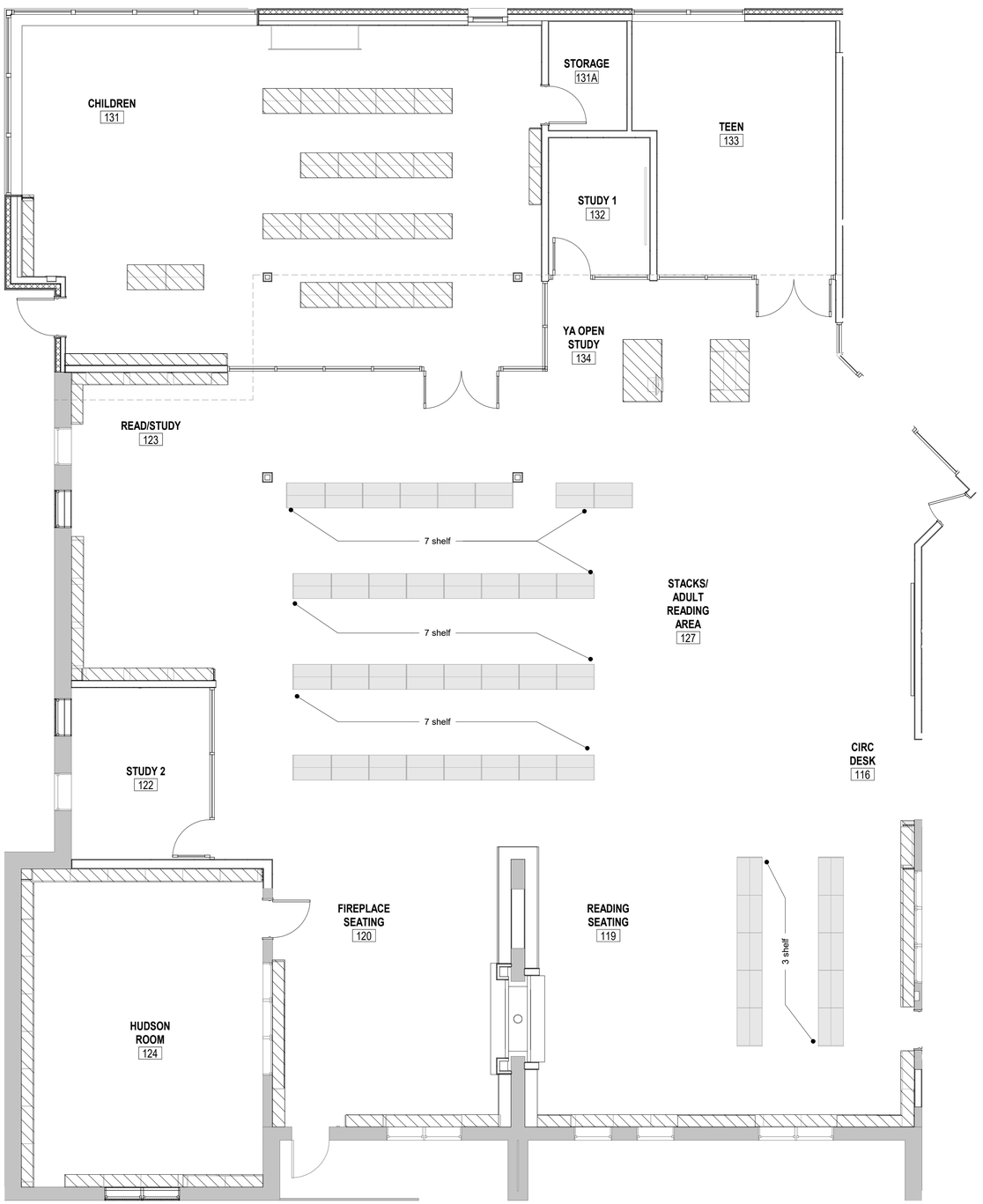
1. SEE FLOOR PLAN, INTERIOR DETAILS, AND SPECIFICATIONS FOR ADDITIONAL INFORMATION, INCLUDING DIRECTION ON INSTALLING EDGE PANELS TO STACKS NOTED TO BE RESUED.
2. SEE FLOOR PLAN AND FINISH PLAN FOR ADDITIONAL INFO ON NEW STACKS / SHELVING.
3. SEE INTERIOR ELEVATIONS FOR NEW SHELVING HEIGHTS, WIDTHS, AND SHELF COUNTS.

STACKS / SHELVING PLAN LEGEND:

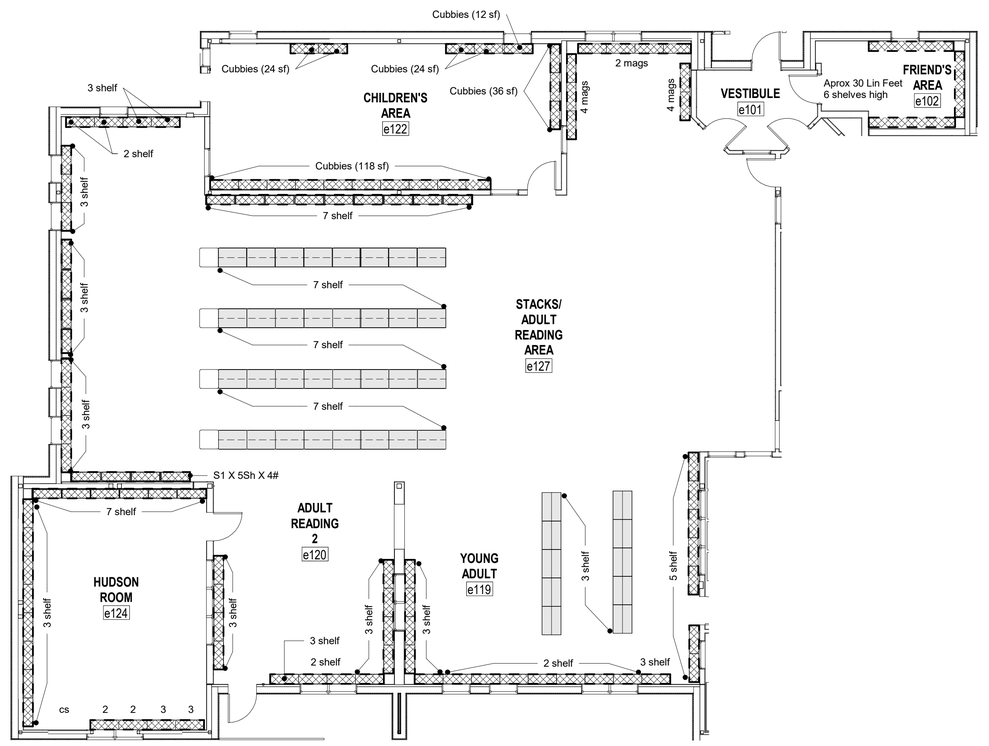
DEMOLISH SHELVING / STACKS

MOVE, PROTECT, & REUSE SHELVING / STACKS

NEW SHELVING / STACKS



2 LIBRARY SHELVING PLAN
3/16" = 1'-0"



1 LIBRARY SHELVING SALVAGE & DEMO
1/8" = 1'-0"

PLAN NORTH
TRUE NORTH

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STACKS, SHELVING PLAN-DEMO, REINSTALL, NEW

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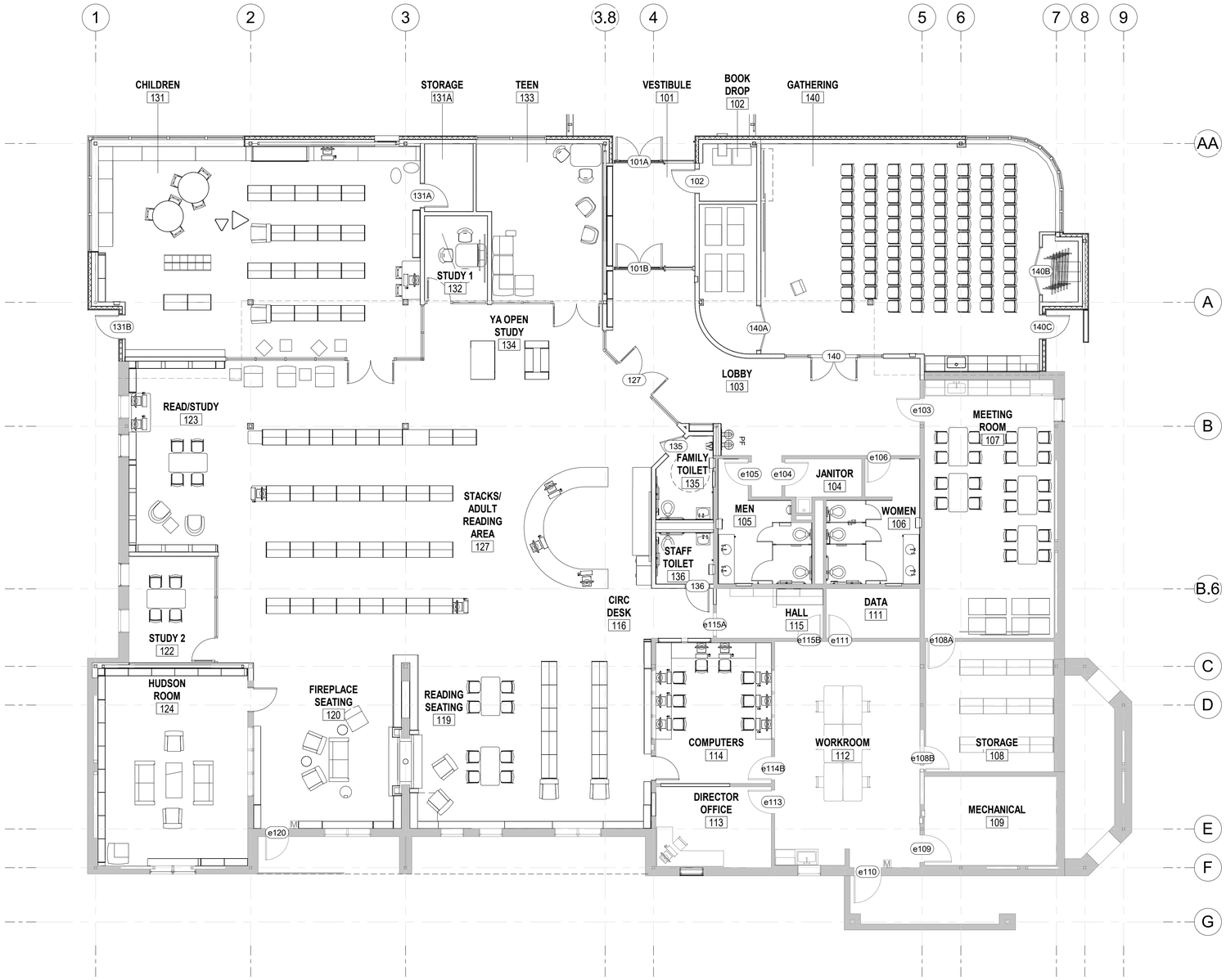
OWNER PROJECT NO: DPW 15105

A12.4
FULL SIZE PRINTED ON 22 x 34

THIS PLAN IS PROVIDES FOR GENERAL REFERENCE ON PRELIMINARY LAYOUT OF PROPOSED FURNISHINGS TO AID IN PLACEMENT OF LIGHTING AND COORDINATION WITH BUILDING ELEMENTS.
THE FURNISHINGS, FIXTURES, AND EQUIPMENT PACKAGE (FFE) WILL BE A SEPARATE CONTRACT.



1 FURNITURE REFERENCE PLAN
1/8" = 1'-0"

PLAN NORTH
TRUE NORTH

ECI ARCHITECTURE DESIGN STRATEGY
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10.1.2021

FURNITURE REFERENCE PLAN

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A12.5

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ABBREVIATIONS

AB	ANCHOR BOLT
ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTR.
ALT	ALTERNATE
APA	AMERICAN PLYWOOD ASSOCIATION
ARCH	ARCHITECTURAL
ASTM	AMERICAN SOCIETY FOR TESTING & MATERIALS
AWS	AMERICAN WELDING SOCIETY
BLKG	BLOCKING
BM	BEAM
BOC	BOTTOM OF CONCRETE
BOD	BOTTOM OF DECK
BOS	BOTTOM OF STEEL
BOT	BOTTOM
BTWN	BETWEEN
CIP	CAST IN PLACE (CONCRETE)
CJP	COMPLETE JOINT PENETRATION
CLR	CLEAR
COL	COLUMN
CONN	CONNECTION
CONT	CONTINUOUS
CVN	CHARPY V NOTCH
DIAM	DIAMETER
DWGS	DWGS
(E)	EXISTING
EA	EACH
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATION
EW	EACH WAY
EQ	EQUAL
F'C	CONCRETE COMPRESSIVE STRENGTH
F'M	MASONRY COMPRESSIVE STRENGTH
FDN	FOUNDATION
FOC	FACE OF CONCRETE
FT	FEET
FTG	FOOTING
GA	GAGE OR GAUGE
GALV	GALVANIZED
GLB	GLUE-LAMINATED BEAM
HI	HIGH
HORIZ	HORIZONTAL
HS	HEADED STUD
HSH	HORIZONTAL SLOTTED HOLE
HSS	HOLLOW STRUCTURAL SECTION
IE	INVERT ELEVATION
INV	INVERT
LO	LOW
LVL	LAMINATED VENEER LUMBER
MAX	MAXIMUM
MECH	MECHANICAL
MF	MOMENT FRAME
MIN	MINIMUM
MT	MAGNETIC PARTICLE STRIP
NA	NOT APPLICABLE
NFS	NON FROST SUSCEPTIBLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OWSJ	OPEN WEB STEEL JOIST
PLF	POUNDS PER LINEAR FOOT
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
REINF	REINFORCING
RT	RADIOGRAPHIC TEST
SDI	STEEL DECK INSTITUTE
SJI	STEEL JOIST INSTITUTE
SQ	SQUARE
STD	STANDARD
TBD	TO BE DETERMINED
TEMP	TEMPERATURE
TOC	TOP OF CONCRETE
TOS	TOP OF STEEL
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UT	ULTRASONIC
VERT	VERTICAL
W	WIDE FLANGE DESIGNATION
WF	WIDE FLANGE
WP	WORK POINT
WWF	WELDED WIRE FABRIC
W/	WITH

SCHEDULE OF CONSTRUCTION MATERIALS

	LOCATION	28-DAY STRENGTH	MAX. W/C RATIO	AIR ENTRAINMENT
CONCRETE	EXTERIOR CONCRETE (EXPOSED TO FREEZING) INCLUDING FOOTINGS AND STEM WALLS	4,000 P.S.I.	0.45	6% +/- 1.5%
	INTERIOR SLABS (NOT EXPOSED TO FREEZING)	4,000 P.S.I.	0.45	3%

	APPLICATION	TYPE	COMMENTS
REINFORCING	FABRICATED AND STRAIGHT BARS	ASTM A615, GRADE 60	SEE LAP SPLICE SCHEDULE FOR LAP LENGTHS

	APPLICATION	TYPE	GRADE	Fy
STRUCTURAL STEEL	WIDE-FLANGE BEAMS AND COLUMNS	ASTM A992	GRADE 50	50 KSI
	HSS COLUMNS	ASTM A500	GRADE B	42 KSI ROUND 46 KSI RECT.
	CHANNELS, ANGLES AND OTHER SHAPES	ASTM A36		36 KSI
	BRACE GUSSET PLATES	ASTM A572	GRADE 50	50 KSI
	OTHER PLATES	ASTM A36		36 KSI
	PIPE	ASTM A53	GRADE B	35 KSI
	STRUCTURAL BOLTS	ASTM A325	GROUP A	
	ANCHOR RODS	ASTM F1554	GRADE 36	

STRUCTURAL DESIGN CRITERIA SCHEDULE

CRITERIA	DESCRIPTION	VALUE	COMMENTS
CODE	IBC 2012		
SEISMIC	ANALYSIS PROCEDURE	ELF	PER ASCE 7-10
	SEISMIC DESIGN CATEGORY	D	
	RISK CATEGORY	II	
	SEISMIC IMPORTANCE FACTOR, IE	1.00	
	SITE CLASS	D	
	0.2S SPECTRAL RESPONSE ACCELERATION, Ss	1.50	
	1.0S SPECTRAL RESPONSE ACCELERATION, S1	0.6	
	0.2S SPECTRAL RESPONSE COEFFICIENT, Sds	1.00	
	1.0S SPECTRAL RESPONSE COEFFICIENT, Sd1	0.6	
	STRUCTURAL SYSTEM		STEEL ORDINARY CONCENTRICALLY BRACED FRAMES
	RELIABILITY/REDUNDANCY	1	
	RESPONSE MODIFICATION FACTOR, R	3.25	
	OMEGA	2	
	Cs (STRENGTH DESIGN)	0.308	
	V (STRENGTH DESIGN)	79.33 KIPS	
WIND	BASIC WIND SPEED (3 SECOND GUST)	160 MPH	PER ASCE 7-10 BASIC WIND SPEED MAP
	RISK CATEGORY	II	
	EXPOSURE FACTOR	D	
	INTERNAL PRESSURE COEFFICIENT, GCpi	±0.18	ENCLOSED BUILDING

COMP. & CLADDING PRESSURES		10 Ft²	100 Ft²	
ROOF	INTERIOR - ZONE ①	-63 PSF	-57 PSF	VALUES MAY BE INTERPOLATED BETWEEN 10 SQFT AND 100 SQFT
	PERIMETER - ZONE ②	-110 PSF	-81 PSF	
	CORNER - ZONE ③	-162 PSF	-127 PSF	
WALL	INTERIOR - ZONE ④	-68 PSF	-59 PSF	ZONE 5 EXISTS FOR WALLS WITHIN 7-FT OF WALL CORNER.
	CORNER - ZONE ⑤	-84 PSF	-66 PSF	

ROOF LIVE LOADS	GROUND SNOW LOAD	64 PSF	
	SNOW LOAD EXPOSURE FACTOR	1.0	
	THERMAL FACTOR Ct	1.0	
	SNOW IMPORTANCE FACTOR	1.0	
	FLAT ROOF SNOW LOAD	50 PSF	
	SNOW DRIFT LOADS	PER ASCE 7-10	
FLOOR LIVE LOADS	1ST LEVEL SLAB ON GRADE	100 PSF	
FOUNDATIONS	ALLOWABLE SOIL BEARING PRESSURE	4000 PSF	PLUS 1/3 SHORT TERM INCREASE

DEFERRED SUBMITTALS

DEFERRED SUBMITTAL ITEMS SHALL BE REVIEWED BY THE EOR AND THEN SUBMITTED TO THE BUILDING OFFICIAL.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING CALCULATION AND DRAWINGS STAMPED BY AN ALASKA REGISTERED PROFESSIONAL ENGINEER FOR THE FOLLOWING CONTRACTOR DESIGNED ITEMS:

- SEISMIC RESTRAINT OF ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS
- ROOFING ATTACHMENT

STRUCTURAL NOTES
ALL MATERIALS, WORKMANSHIP AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE STRUCTURAL DRAWINGS, THE SPECIFICATIONS AND NOTES LISTED BELOW. MINIMUM PROVISIONS OF THE INTERNATIONAL BUILDING CODE (IBC 2012), AND LOCAL AMENDMENTS SHALL APPLY WHERE DETAILS ARE NOT SHOWN OR DESCRIBED.

STRUCTURAL OBSERVATIONS
THE OWNER SHALL EMPLOY THE ENGINEER OF RECORD TO PERFORM STRUCTURAL OBSERVATIONS AS DEFINED IN SECTION 1702 OF THE IBC AT SIGNIFICANT STAGES AND AT COMPLETION OF THE STRUCTURAL SYSTEM. STRUCTURAL OBSERVATION DOES NOT INCLUDE OR WAIVE THE RESPONSIBILITY OF SPECIAL INSPECTIONS REQUIRED BY SECTION 1704 OF THE CODE.

AS-BUILT DRAWINGS
CONTRACTOR SHALL MAINTAIN A CURRENT SET OF DRAWINGS ON SITE, MODIFIED TO REFLECT ALL DESIGN CHANGES TO THE ORIGINAL DRAWING SET.

PND ENGINEERS INC IS NOT RESPONSIBLE FOR SAFETY PROGRAMS, METHODS, OR PROCEDURES OF OPERATION, OR THE CONSTRUCTION OF THE DESIGN SHOWN ON THESE DRAWINGS. DRAWINGS ARE FOR USE ON THIS PROJECT ONLY AND ARE NOT INTENDED FOR REUSE WITHOUT WRITTEN APPROVAL FROM PND. DRAWINGS ARE ALSO NOT TO BE USED IN ANY MANNER THAT WOULD CONSTITUTE A DETRIMENT DIRECTLY OR INDIRECTLY TO PND.

PND ENGINEERS, INC.
1506 WEST 36th AVENUE ANCHORAGE, AK. 99503
PH 907.561.1011
WWW.PNDENGINEERS.COM

ECI ARCHITECTURE DESIGN STRATEGY
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STATE OF ALASKA
49 TH
Jesse L. Gobeli
CE-11082
4.06.20
REGISTERED PROFESSIONAL ENGINEER

REV	DESCRIPTION	DATE

DESIGN CRITERIA

AUTHOR: DL
CHECKED: JG
REVISION:
ISSUE DATE: 04/06/20 Reprint 10.01.2021
OWNER PROJECT NO: DPW 15105

S1.1

FULL SIZE PRINTED ON 22 x 34

STATEMENT OF SPECIAL INSPECTIONS

THE FOLLOWING SPECIAL INSPECTIONS SHALL BE PERFORMED BY QUALIFIED PERSONNEL EMPLOYED BY THE OWNER OR THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT.

SPECIAL INSPECTOR QUALIFICATIONS:
THE SPECIAL INSPECTOR SHALL PROVIDE WRITTEN DOCUMENTATION TO THE BUILDING OFFICIAL DEMOSTRATING THEIR COMPETENCE AND RELEVANT EXPERIENCE OR TRAINING.

INSPECTION TASKS:
INSPECTION TASKS ARE LISTED IN THE ATTACHED TABLES AND IN THE 2012 EDITION OF THE IBC CHAPTER 17.

REQUIRED INSPECTION OF SOILS

	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	REMARKS
1	VERIFY MATERIALS BELOW SHALLOW FOUNDATIONS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY	PERIODIC	
2	VERIFY EXCAVATIONS EXTEND TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL.	PERIODIC	

REQUIRED VERIFICATION AND INSPECTION OF CONCRETE

	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	REFERENCE FOR CRITERIA	
			REF. STANDARD	IBC REFERENCE
1	INSPECTION OF REINFORCING STEEL AND PLACEMENT	PERIODIC	ACI 318: 3.5, 7.1-7.7	1910.4
2	INSPECTION OF ANCHORS POST INSTALLED IN HARDENED CONCRETE MEMBERS	PERIODIC	ACI 318: 3.8.6, 8.1.3, 21.2.8	1909.1
3	VERIFY USE OF REQUIRED MIX DESIGN	PERIODIC	ACI 318: 4, 5.2-5.4	1904.3, 1910.2, 1910.3
4	AT THE TIME FRESH CONCRETE IS SAMPLED TO FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE	CONTINUOUS	ASTM C172 ASTM C31 ACI 318: 5.6, 5.8	1910.10
5	INSPECTION OF CONCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES	CONTINUOUS	ACI 318: 5.9, 5.10	1910.6, 1910.7, 1910.8
6	INSPECTION FOR MAINTENANCE OF SPECIFIED CURING TECHNIQUES	PERIODIC	ACI 318: 5.11-5.13	1910.9
7	INSPECT FORMWORK FOR SHAPE, LOCATION AND DIMENSIONS OF THE CONCRETE MEMBER BEING FORMED	PERIODIC	ACI 318: 6.11	

SPECIAL INSPECTION FOR WIND AND SEISMIC RESISTANCE

	VERIFICATION AND INSPECTION TASK	FREQUENCY OF INSPECTION	REMARKS
1	COLD-FORMED STEEL IN LIGHT-FRAME CONSTR.: NAILING, BOLTING, ANCHORING AND FASTENING OF COMPONENTS WITHIN THE MAIN WIND-FORCE RESISTING SYSTEM INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES, AND HOLDOWNS.	PERIODIC	
2	ARCHITECTURAL COMPONENTS: ROOF AND WALL CLADDING.	PERIODIC	

SEISMIC FORCE RESISTING SYSTEMS

THE FOLLOWING ELEMENTS ARE PART OF THE DESIGNATED SEISMIC FORCE RESISTING SYSTEM AND ARE SUBJECT TO INSPECTION AND TESTING IN ACCORDANCE WITH THE ATTACHED SCHEDULES AND AISC 341.

- CONCRETE FOUNDATIONS
- STEEL DECK
- STRUCTURAL STEEL BRACED FRAMES
- COLLECTORS AND DRAGS STRUTS NOTED AS WXXxXX (C)

INSPECTION TASKS:

INSPECTION TASKS ARE LISTED IN THE ATTACHED TABLES AND IN AISC 341.

- OBSERVE - INSPECTOR SHALL OBSERVE THESE FUNCTIONS ON A RANDOM DAILY BASIS. OPERATIONS NEED NOT BE DELAYED PENDING OBSERVATION.
- PERFORM - THESE INSPECTIONS SHALL BE PERFORMED PRIOR TO FINAL ACCEPTANCE.
- DOCUMENT - THE INSPECTOR SHALL PREPARE REPORTS INDICATING THAT THE WORK HAS BEEN PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

AISC 360 / AISC 341 - STRUCTURAL STEEL - INSPECTION OF HIGH-STRENGTH BOLTING

	VERIFICATION AND INSPECTION TASK	QA
1	**VISUAL INSPECTION TASKS PRIOR TO BOLTING**	
	MANUFACTURER'S CERTIFICATIONS AVAILABLE FOR FASTENER MATERIALS.	PERFORM
	FASTENERS MARKED IN ACCORDANCE WITH ASTM REQUIREMENTS.	OBSERVE
	PROPER FASTENERS SELECTED FOR THE JOINT DETAIL (GRADE, TYPE, BOLT LENGTH IF THREADS ARE TO BE EXCLUDED FROM THE SHEAR PLANE).	OBSERVE
	PROPER BOLTING PROCEDURE SELECTED FOR THE JOINT DETAIL	OBSERVE
	CONNECTING ELEMENTS, INCLUDING THE APPROPRIATE FAYING SURFACE CONDITION AND HOLE PREPARATION, IF SPECIFIED, MEET APPLICABLE REQUIREMENTS.	OBSERVE
	PRE-INSTALLATION VERIFICATION TESTING BY INSTALLATION PERSONNEL OBSERVED AND DOCUMENTED FOR FASTENER ASSEMBLIES AND METHODS USED.	OBSERVE
	PROPER STORAGE PROVIDED FOR BOLTS, NUTS, WASHERS AND OTHER FASTENER COMPONENTS.	OBSERVE
2	**VISUAL INSPECTION TASKS DURING BOLTING**	
	FASTENER ASSEMBLIES PLACED IN ALL HOLES AND WASHERS (IF REQUIRED) ARE POSITIONED AS REQUIRED.	OBSERVE
	JOINT BROUGHT TO THE SNUG TIGHT CONDITION PRIOR TO THE PRETENSIONING OPERATION.	OBSERVE
	FASTENER COMPONENT NOT TURNED BY THE WRENCH PREVENTED FROM ROTATING.	OBSERVE
	BOLTS ARE PRETENSIONED PROGRESSING SYSTEMATICALLY FROM THE MOST RIGID POINT TOWARDS THE FREE EDGES.	OBSERVE
3	**VISUAL INSPECTION TASKS AFTER BOLTING**	
	DOCUMENT ACCEPTED AND REJECTED CONNECTIONS	PERFORM

a. FOR SNUG-TIGHT JOINTS, PRE-INSTALLATION VERIFICATION AND TESTING AND MONITORING OF THE INSTALLATION IS NOT REQUIRED.
b. FOR PRETENSIONED JOINTS AND SLIP-CRITICAL JOINTS, WHEN THE INSTALLER IS USING THE TURN-OF-THE-NUT METHOD WITH MATCH MARKING, THE DIRECT-TENSION-INDICATOR METHOD, OR THE TWIST-OFF-TYPE TENSION CONTROL BOLT METHOD, THE QA INSPECTOR NEED NOT BE PRESENT DURING THE INSTALLATION OF FASTENERS.

AISC 360 / AISC 341 - STRUCTURAL STEEL - VISUAL WELDING INSPECTION

	VERIFICATION AND INSPECTION TASK	QA
1	**VISUAL INSPECTION TASKS PRIOR TO WELDING**	
	WELDING PROCEDURE SPECIFICATION (WPSs) AVAILABLE	PERFORM
	MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	PERFORM
	MATERIAL IDENTIFICATION (TYPE/GRADE)	OBSERVE
	WELDER IDENTIFICATION SYSTEM	OBSERVE
	FIT-UP OF GROOVE WELDS (INCLUDING JOINT GEOMETRY	OBSERVE
	-JOINT PREPARATION	
	-DIMENSIONS (ALIGNMENT, ROOT OPENING, ROOT FACE, BEVEL)	
	-CLEANLINESS (CONDITION OF STEEL SURFACE)	
	-TACKING (TACK WELD QUALITY AND LOCATION)	
	-BACKING TYPE AND FIT	
	CONFIGURATION AND FINISH OF ACCESS HOLES	OBSERVE
	FIT-UP OF FILLET WELDS	OBSERVE
	-DIMENSIONS (ALIGNMENT, GAPS AT ROOT)	
	-CLEANLINESS (CONDITION OF STEEL SURFACE)	
	-TACKING (TACK WELD QUALITY AND LOCATION)	
	CHECK WELDING EQUIPMENT	
2	**VISUAL INSPECTION TASKS DURING WELDING**	
	WPS FOLLOWED	OBSERVE
	-SETTINGS ON WELDING EQUIPMENT	
	-TRAVEL SPEED	
	-SELECTED WELDING MATERIALS	
	-SHIELDING GAS TYPE/FLOW RATE	
	-PREHEAT APPLIED	
	-INTERPASS TEMPERATURE MAINTAINED	
	-PROPER POSITION (F,V,H,OH)	
	-INTERMIX OF FILLER MATERIALS AVOIDED	
	USE OF QUALIFIED WELDERS	OBSERVE

	VERIFICATION AND INSPECTION TASK	QA
	VISUAL INSPECTION TASKS DURING WELDING, CONTINUED.	
	CONTROL AND HANDLING OF WELDING MATERIALS	OBSERVE
	-PACKAGING	
	-EXPOSURE CONTROL	
	ENVIRONMENTAL CONDITIONS	OBSERVE
	-WIND SPEED WITHIN LIMITS	
	-PRECIPITATION AND TEMPERATURE	
	WELDING TECHNIQUES	OBSERVE
	-INTERPASS AND FINAL CLEANING	
	-EACH PASS WITHIN PROFILE LIMITS	
	-EACH PASS MEETS QUALITY REQUIREMENTS	
	NO WELDING OVER CRACKED TACKS	OBSERVE
3	**VISUAL INSPECTION TASKS AFTER WELDING**	
	WELDS CLEANED	OBSERVE
	SIZE, LENGTH AND LOCATION OF WELDS	PERFORM
	WELDS MEET VISUAL ACCEPTANCE CRITERIA	PERFORM
	-CRACK PROHIBITION	
	-WELD/BASE-METAL FUSION	
	-CRATER CROSS SECTION	
	-WELD PROFILE AND SIZE	
	-UNDERCUT	
	-POROCITY	
	k-AREA	PERFORM
	BACKING REMOVED, WELD TABS REMOVED (IF REQUIRED).	PERFORM
	REPAIR ACTIVITIES	PERFORM
	DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	PERFORM

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SPECIAL INSPECTIONS

AUTHOR: DL CHECKED: JG
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S1.2

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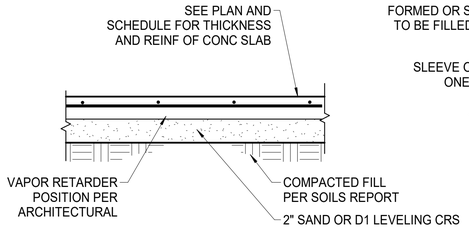
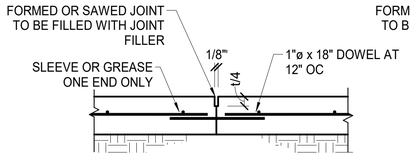
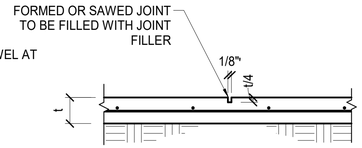


TYPICAL INTERIOR SLAB ON GRADE

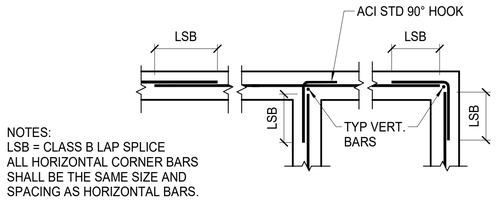


TYPICAL SLAB CONSTRUCTION JOINTS



TYPICAL SLAB CONTROL JOINT

1 TYPICAL SLAB JOINTS
3/4" = 1'-0"



SINGLE CURTAIN PLAN - 8" WALLS

2 TYPICAL CORNER REINFORCING
3/4" = 1'-0"

SPREAD FOOTING REINFORCING SCHEDULE

MARK	FTG SIZE	FTG DEPTH	T.O.F. ELEV.	TOP MAT REINFORCING	BOTTOM MAT REINFORCING
F4	4'-0"x4'-0"	12"	SEE PLAN		(4) #5 EA. WAY
F6	6'-0"x6'-0"	18"	SEE PLAN	(8) #6 EA. WAY	(8) #6 EA. WAY

NOTES:

STRIP FOOTING REINFORCING SCHEDULE

MARK	FTG WIDTH	FTG DEPTH	T.O.F. ELEV.	LONGITUDINAL REINFORCING	TRANSVERSE REINFORCING
SF2	1'-4"	12"	SEE PLAN	(2) #5 AT MID HEIGHT	NONE
SF2a	2'-0"	12"	SEE PLAN	(3) #5 AT MID HEIGHT	NONE

NOTES:

CONCRETE WALL REINFORCING SCHEDULE

MARK	THICKNESS	VERTICAL REINFORCING	HORIZONTAL REINFORCING	POSITION	REMARKS
6C	6"	#4 @ 16" OC	#4 @ 12" OC	CENTERED	
8C	8"	#4 @ 16" OC	#4 @ 12" OC	CENTERED	TYPICAL CONCRETE STEM WALL, UNO
10C	10"	#5 @ 16" OC	#5 @ 12" OC	EA FACE	TYPICAL CONCRETE PLANTER WALL, UNO
18C	18"	#5 @ 16" OC	#5 @ 12" OC	EA FACE	

NOTES:
AT SPECIAL REINFORCED CONCRETE SHEAR WALLS, ALL HORIZONTAL REINFORCING SHALL TERMINATE AT WALL ENDS, INTERSECTIONS AND JAMBS WITH A STANDARD HOOK.

SLAB REINFORCING SCHEDULE

THICKNESS	TYPE	REINFORCING	CONCRETE COVER
4"	ON GRADE	#4 @ 16" OC EACH WAY	2" FROM TOP

ACI STANDARD 90° HOOK DIMENSIONS

BAR SIZE	#3	#4	#5	#6	#7	#8	
MIN. BEND DIAM. (d)	2 1/4"	3"	3 3/4"	4 1/2"	5 1/4"	6"	
EXTENSION LENGTH (L)	6"	8"	10"	12"	14"	16"	

NOTE: REFERENCE ACI 318-05 SEC. 7.1 & 12.5.4

LAP SPLICES

BAR SIZE	#3	#4	#5	#6	#7	#8	
CLASS B SPLICE	28"	37"	47"	56"	81"	93"	

NOTE: INCREASE TABULATED LAP LENGTH BY 20% FOR BUNDLES OF 3 BARS.

REINFORCING CLEARANCE/COVER

EXPOSURE CONDITION		MIN. COVER	TOLERANCE*
CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH		3"	-3/8", +1"
EXPOSED TO EARTH OR WEATHER	#5 AND SMALLER BARS:	1 1/2"	-1/4", +1/2"
	#6 AND LARGER BARS:	2"	-1/4", +1/2"
NOT EXPOSED TO EARTH, WEATHER OR IN CONTACT WITH GROUND:		3/4"	-1/4", +3/8"
TIES AND STIRRUPS		1 1/2"	-1/4", +1/2"

NOTES: "-" INDICATES TOLERANCE DECREASE TOWARDS MEMBER FACE. "+" INDICATES AWAY FROM MEMBER FACE.

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CONCRETE REINFORCING SCHEDULES AND TYPICAL DETAILS
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S1.3
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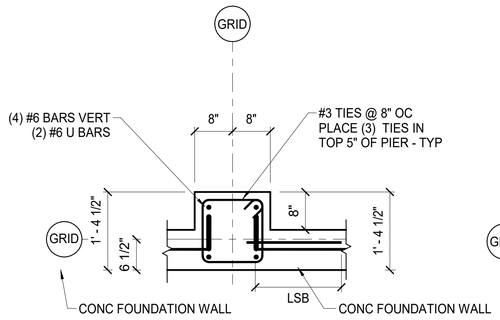
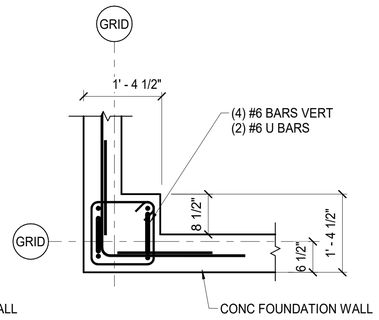


P1 TOP OF PIER = -1'-0"



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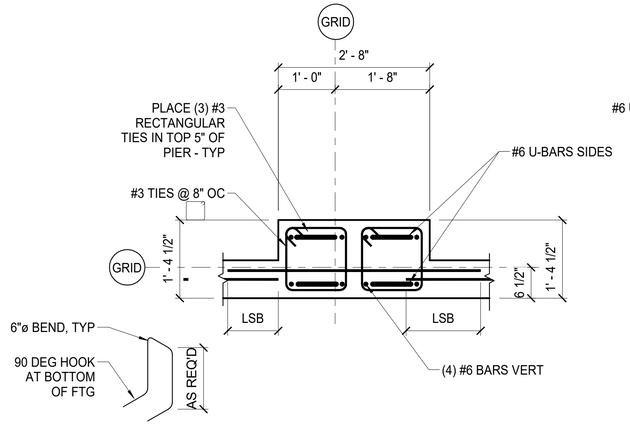

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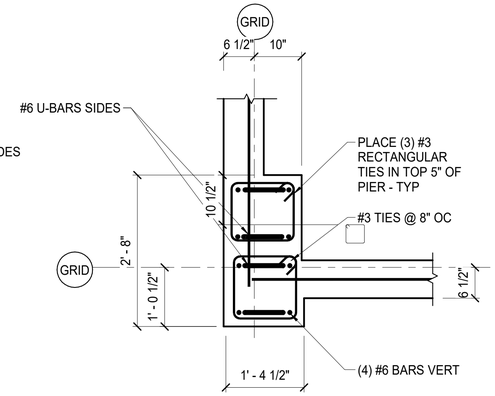
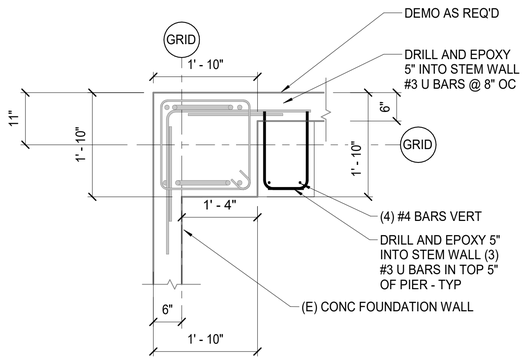


P4

1 PIERS
3/4" = 1'-0"



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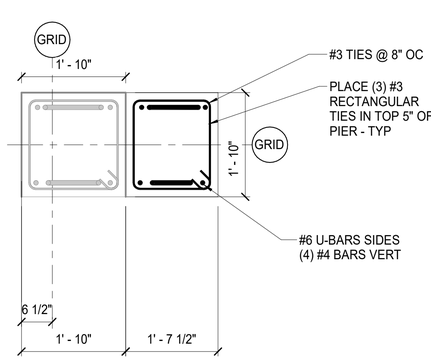

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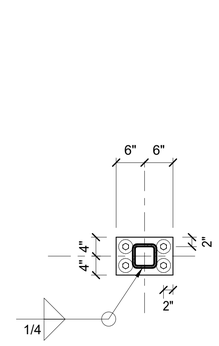
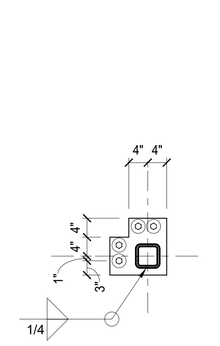
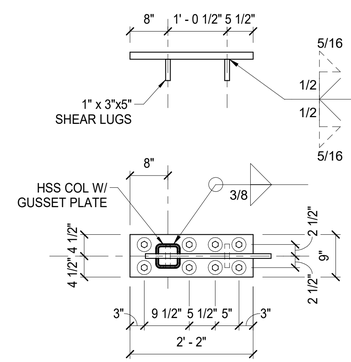


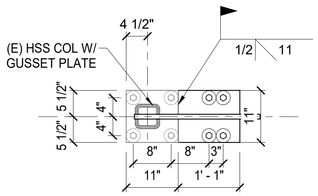
BP1	HSS5x5 COL
t =3/4"	BOT. OF BASE PL EL= -10 1/2"
ANCHOR RODS = 4-3/4"ø w/ 12" EMBED	



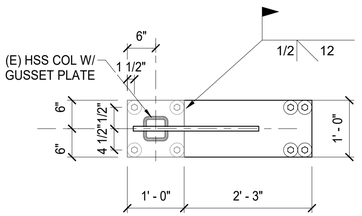
BP2	HSS5x5 COL
t =3/4"	BOT. OF BASE PL EL= -10 1/2"
ANCHOR RODS = 4-3/4"ø w/ 12" EMBED	



BP3	HSS COL BRACED FRAME COL
t =3/4"	BOT. OF BASE PL EL= -10 1/2"
ANCHOR RODS = 8-1 1/4"ø x 36" EMBED	

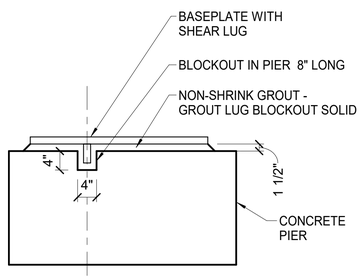


BP4	HSS COL BRACED FRAME COL
t =1"	BOT. OF BASE PL EL= -10 1/2"
ANCHOR RODS = 4-3/4"ø x 12" EMBED	

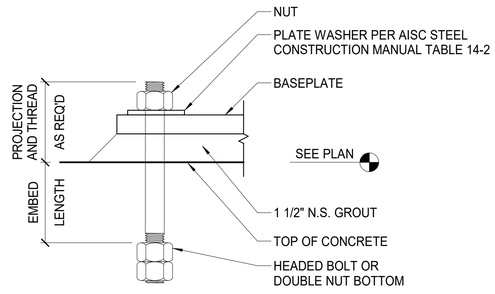


BP5	HSS COL BRACED FRAME COL
t =1"	BOT. OF BASE PL EL= -10 1/2"
ANCHOR RODS = 4-3/4"ø x 12" EMBED	

2 BASE PLATES
3/4" = 1'-0"



3 BASE PL SHEAR LUGS
3/4" = 1'-0"



4 ANCHOR RODS
3/4" = 1'-0"

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PIERS AND BASEPLATES

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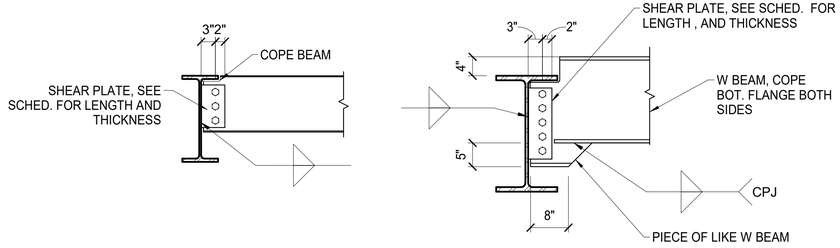


1 TYPICAL BEAM TO GIRDER CONNECTION

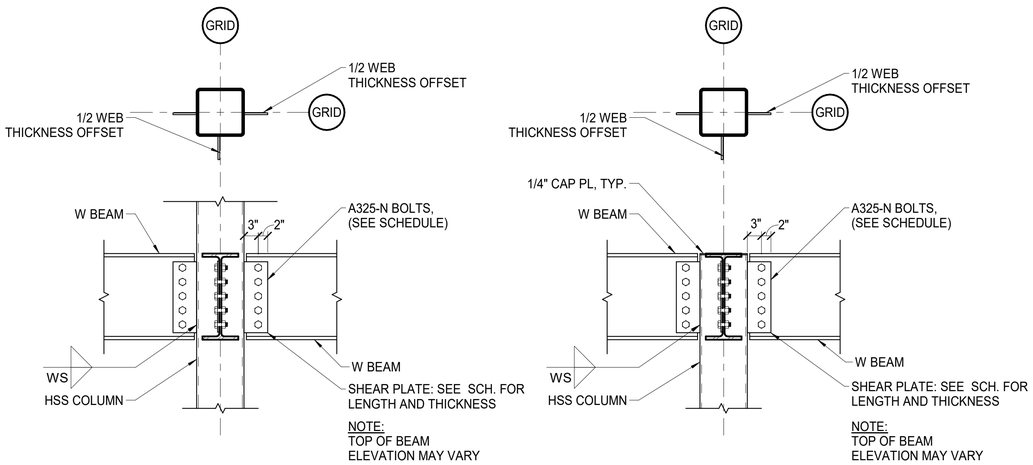
3/4" = 1'-0"

SINGLE SHEAR PLATE CONNECTION SCHEDULE

BEAM SIZE	BOLT DIA.	No. OF BOLTS	HOLE TYPE	PLATE LENGTH	PLATE THICK.	FILLET WELD SIZE (WS)	CAPACITY (kips)	
							ASD	LRFD
W8's	7/8"	2	STD	5 1/2"	1/4"	3/16"	16.3	24.5
W10's	7/8'	2	STD	5 1/2"	1/4"	3/16"	16.3	24.5
W12's	7/8"	3	STD	9"	1/4"	3/16"	26.1	39.2
W14's	7/8"	3	STD	9"	1/4"	3/16"	26.1	39.2
W16's	7/8"	4	STD	12"	7/16"	1/4"	34.8	52.2
W18's	7/8"	5	STD	15"	7/16"	1/4"	54.4	81.6

NOTES:

1. JOINT TYPE: ALL BOLTED CONNECTIONS AT SINGLE SHEAR PLATES ARE PRETENSIONED JOINTS.
2. USE SINGLE SHEAR PLATE CONNECTIONS AT ALL BEAM TO COLUMN CONNECTIONS EXCEPT COLLECTORS AND BRACED FRAME CONNECTIONS.
3. USE SINGLE SHEAR PLATE CONNECTIONS AT ALL BEAM TO GIRDER CONNECTIONS.
4. SHEAR PLATE Fy = 36 ksi
5. ALL BOLTS FOR SHEAR PLATE CONNECTIONS ARE GROUP A, ASTM A325 TYPE N, UNO. REFER TO THE SPECIFICATION FOR TIGHTENING AND TESTING PROCEDURES.
6. PL WIDTH IS AS SHOWN IN THE TYP DETAILS.
7. BOLT PITCH = 3". VERTICAL EDGE DISTANCE (Lev) IS 1 1/2". HORIZONTAL EDGE DISTANCE (Leh) IS 2x BOLT DIAMETER OR A MIN. OF 2". DISTANCE FROM COLUMN TO BOLT IS 3".
8. USE E70XX ELECTRODES.
9. BOLT HOLES IN SINGLE SHEAR PLATES SHALL BE STANDARD HOLES UNO.



2 TYPICAL BEAM TO HSS COLUMN CONNECTIONS

3/4" = 1'-0"

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STRUCTURAL STEEL SCHEDULES AND TYPICAL DETAILS

AUTHOR: DL CHECKED: JG
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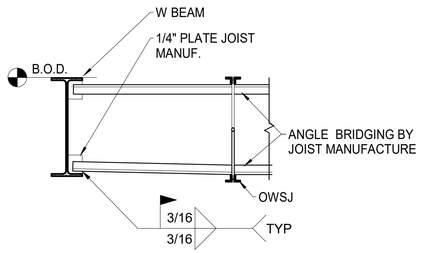
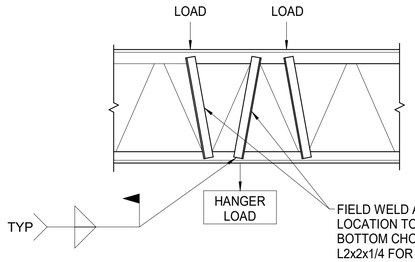


1 TYP JOIST BRIDGING
3/4" = 1'-0"

ROUND BAR NOT ACCEPTABLE
(REINFORCE w/ ANGLE AS SHOWN AT LEFT)

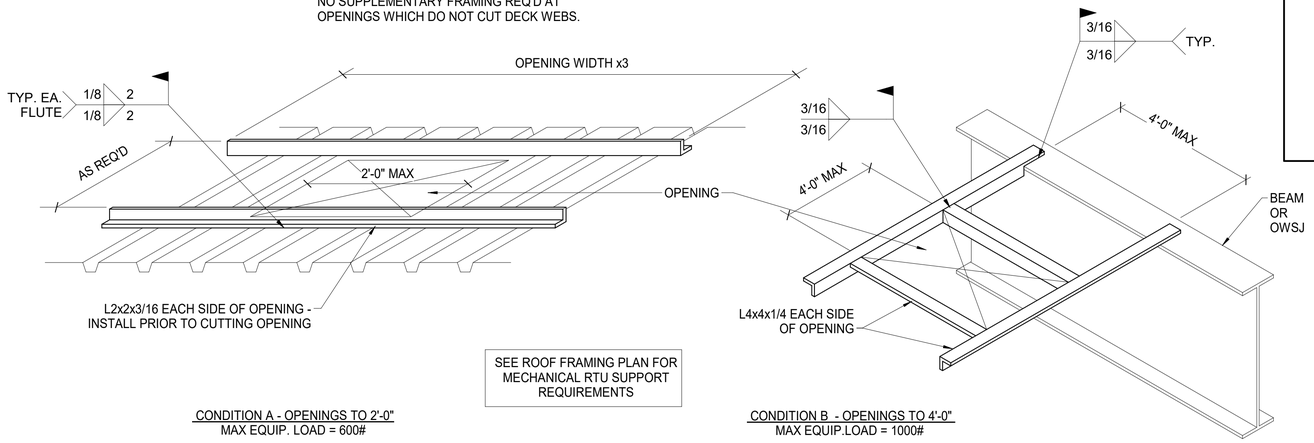


NOTES:
1. MODIFICATION IS TYP. FOR ALL JOISTS SUPPORTING LOAD FROM TOP OR BOTTOM CHORD BETWEEN PANEL PTS. VERIFY LOC. & NO. OF LOADS w/ ARCH., MECH., PLUMB., & ELEC. DWGS

2. MAXIMUM TOTAL ADDED LOAD TO SINGLE JOIST = 300LB. LOADS GREATER THAN 300LB SHALL BE REVIEWED BY JOIST MANUFACTURER.

2 TYP JOIST REINFORCEMENT
3/4" = 1'-0"

NOTE:
NO SUPPLEMENTARY FRAMING REQ'D AT OPENINGS WHICH DO NOT CUT DECK WEBS.



SEE ROOF FRAMING PLAN FOR MECHANICAL RTU SUPPORT REQUIREMENTS

CONDITION A - OPENINGS TO 2'-0"
MAX EQUIP. LOAD = 600#

CONDITION B - OPENINGS TO 4'-0"
MAX EQUIP.LOAD = 1000#

4 TYPICAL ROOF PENETRATIONS
3/4" = 1'-0"

OPEN WEB STEEL JOIST SCHEDULE

AREA	MARK	JOIST TYPE	DEPTH	CHORDS	SEAT DEPTH	GRAVITY LOAD CAPACITY			SPECIAL LOADING CONDITIONS	NOTES
						DL	LL	TL		
LOW ROOF	20K	K SERIES	20"	PARALLEL	4"	20 PSF	50 PSF	70 PSF		

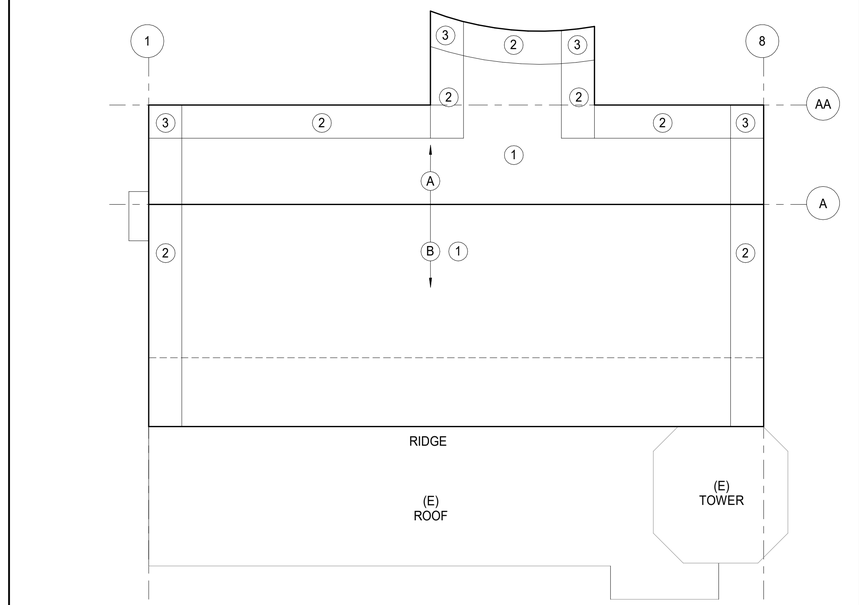
NOTES:
1. LIVE LOAD DEFLECTION SHALL BE LIMITED TO L/360. TOTAL LOAD DEFLECTION IS LIMITED TO L/240.
2. JOIST SHALL BE DESIGNED FOR UNIFORM GRAVITY LOADS SHOWN ABOVE WITH ADDITIONAL SPECIAL LOADINGS SHOWN.
3. ROOF JOISTS SHALL BE CHECKED FOR THE UNIFORM WIND UPLIFT LOADS SHOWN IN THE ROOF ZONE DIAGRAM. JOIST DESIGNER MAY ASSUME 10 PSF DEAD LOAD IS PRESENT ON JOIST (NOT INCLUDING JOIST SELF-WEIGHT) WHEN DETERMINING NET UPLIFT.
4. THE MANUFACTURER SHALL SUPPLY ROWS OF BRIDGING FOR BOTH STABILITY AND WIND UPLIFT. BRIDGING DETAILS SHALL BE COORDINATED WITH THE MECHANICAL AND ELECTRICAL DRAWINGS.
5. IN ADDITION TO THE UNIFORM AND SPECIAL LOADS, EACH JOIST SHALL BE DESIGNED FOR A SINGLE CONCENTRATED LOAD OF 300# LOCATED ANYWHERE ON THE TOP OR BOTTOM CHORD.
6. (T) INDICATES TAG END OF JOIST OR SNOW DRIFT END, SEE PLANS.

STEEL ROOF AND FLOOR DECK SCHEDULE

LEVEL/AREA	DECK TYPE	MARK	MIN. GAGE	VERTICAL LOAD CAPACITY	DIAPHRAGM SHEAR CAPACITY	DECK FASTENING					
						SUPPORTS		PANEL PERIMETER		SIDE LAPS	
						Type	Spacing	Type	Spacing	Type	Spacing
LOW ROOF	1 1/2" TYPE B	Ⓐ	20	114 PSF	500 PLF	5/8" WELD OR #10 SCREWS	TBD	5/8" WELD OR #10 SCREWS	TBD	B. PUNCH	TBD
OVERFRAMING	3" TYPE N	Ⓑ	22	110 PSF	350 PLF	5/8" WELD OR #10 SCREWS	TBD	5/8" WELD OR #10 SCREWS	TBD	B. PUNCH	TBD

NOTES:
1. FASTENER SPACING: "TBD" INDICATES SPACING TO BE DETERMINED BY DECKING MANUFACTURER.
2. SPOT WELD SIZES IN SCHEDULE ARE VISUAL WELD DIAMETERS.
3. CONTRACTOR MAY SUBMIT ALTERNATE FASTENING METHODS FOR APPROVAL.

ROOF DECK WIND UPLIFT ZONE DIAGRAM



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STEEL JOIST AND DECK SCHEDULES AND TYPICAL DETAILS
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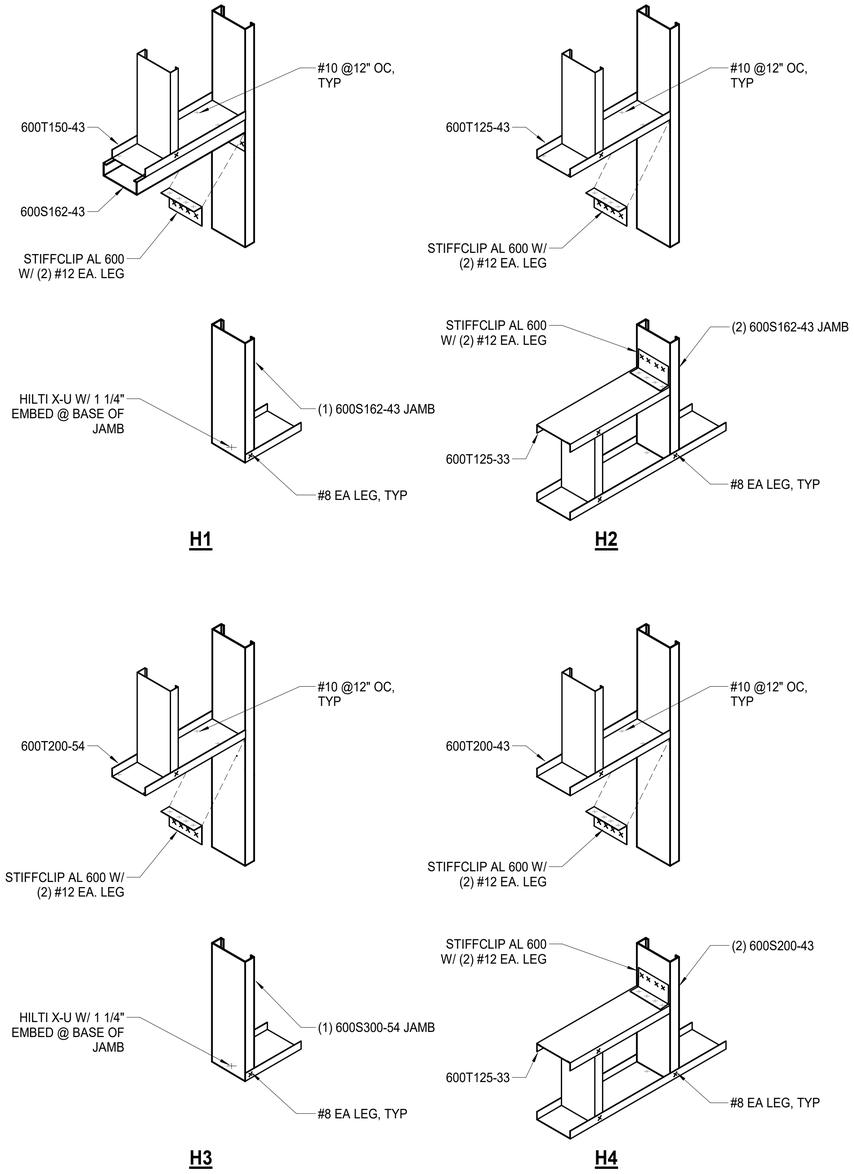
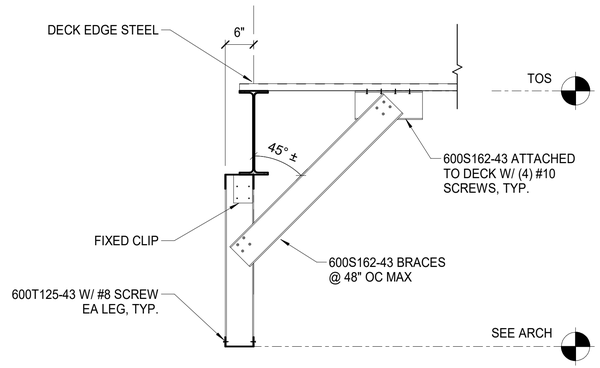


1 FRAMING AT DOORS & WINDOWS

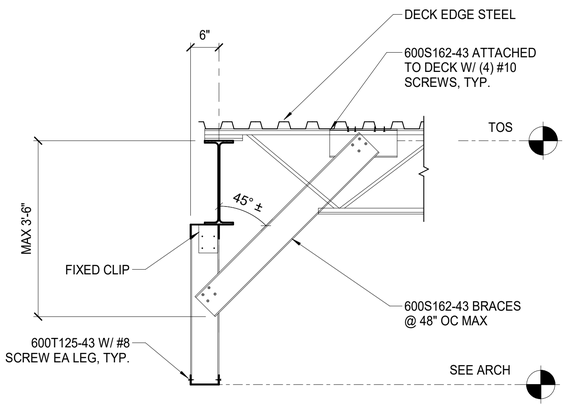
1" = 1'-0"

LIGHT GAGE FRAMING SCHEDULE				
LOCATION	DEPTH	MIN GAGE	MAX SPACING	COMMENTS
EXTERIOR WALLS, TYP UNO	6"	18	16"	SEE SPEC SECTION 05400
OVERFRAMING, TYP UNO	4"	18	16"	SEE SPEC SECTION 05400
INTERIOR PARTITIONS	SEE ARCHITECTURAL			



2 KICKER PERPENDICULAR TO JOIST

3/4" = 1'-0"



3 KICKER PARALLEL TO JOIST

3/4" = 1'-0"

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LIGHT GAUGE STEEL FRAMING

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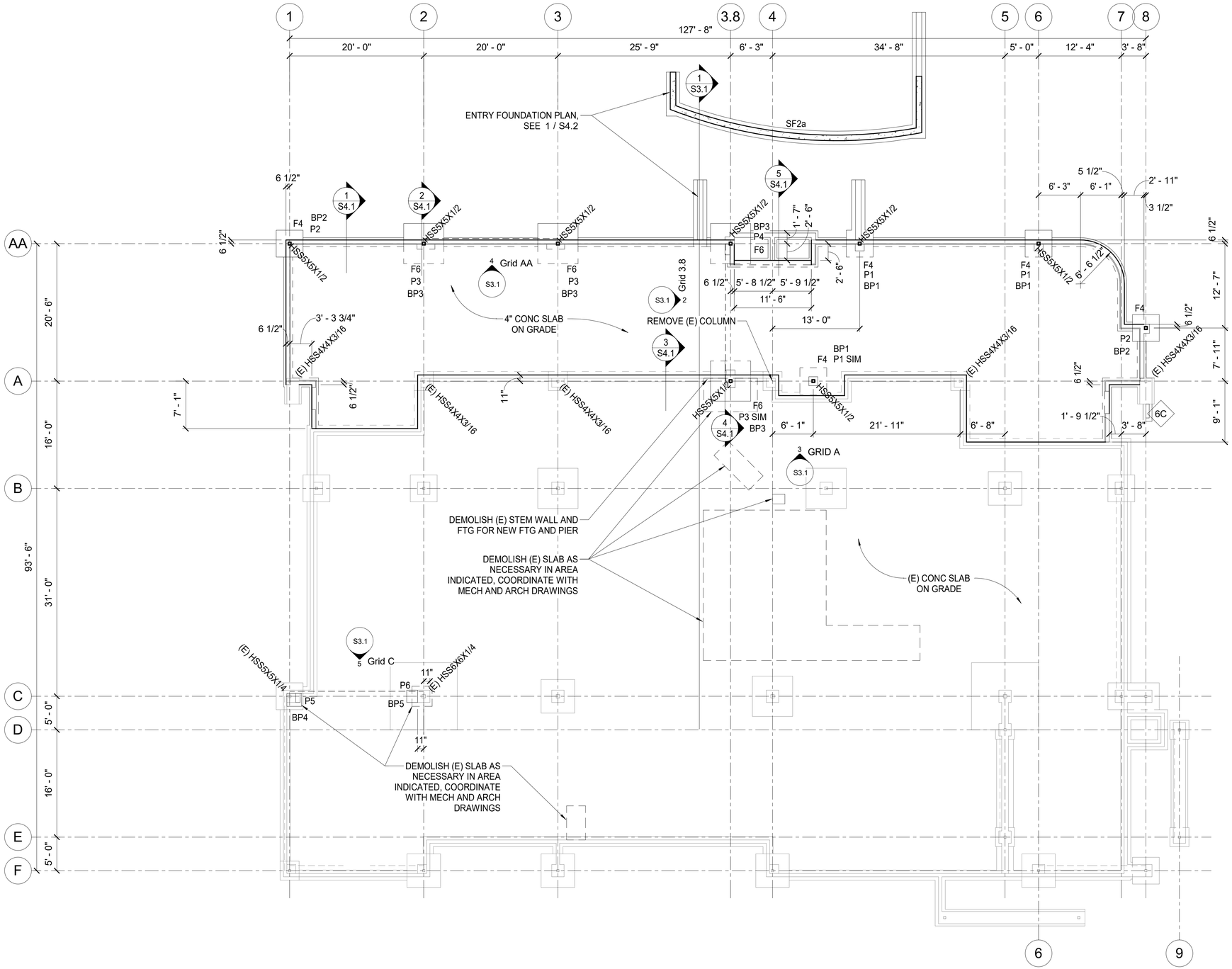
S1.7

FULL SIZE PRINTED ON 22 x 34



1 FOUNDATION PLAN

1/8" = 1'-0"

PLAN NORTH / TRUE NORTH

SLAB PLAN SHEET NOTES

1. REFERENCE ELEVATION - TOP OF CONCRETE SLAB ELEVATION = EL. 0'-0". ABSOLUTE ELEVATION 14.89' = 00'-0".
2. STRIP FTG = SF2 UNO, SEE SCHEDULE FOR SIZE AND REINF.

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FOUNDATION PLAN

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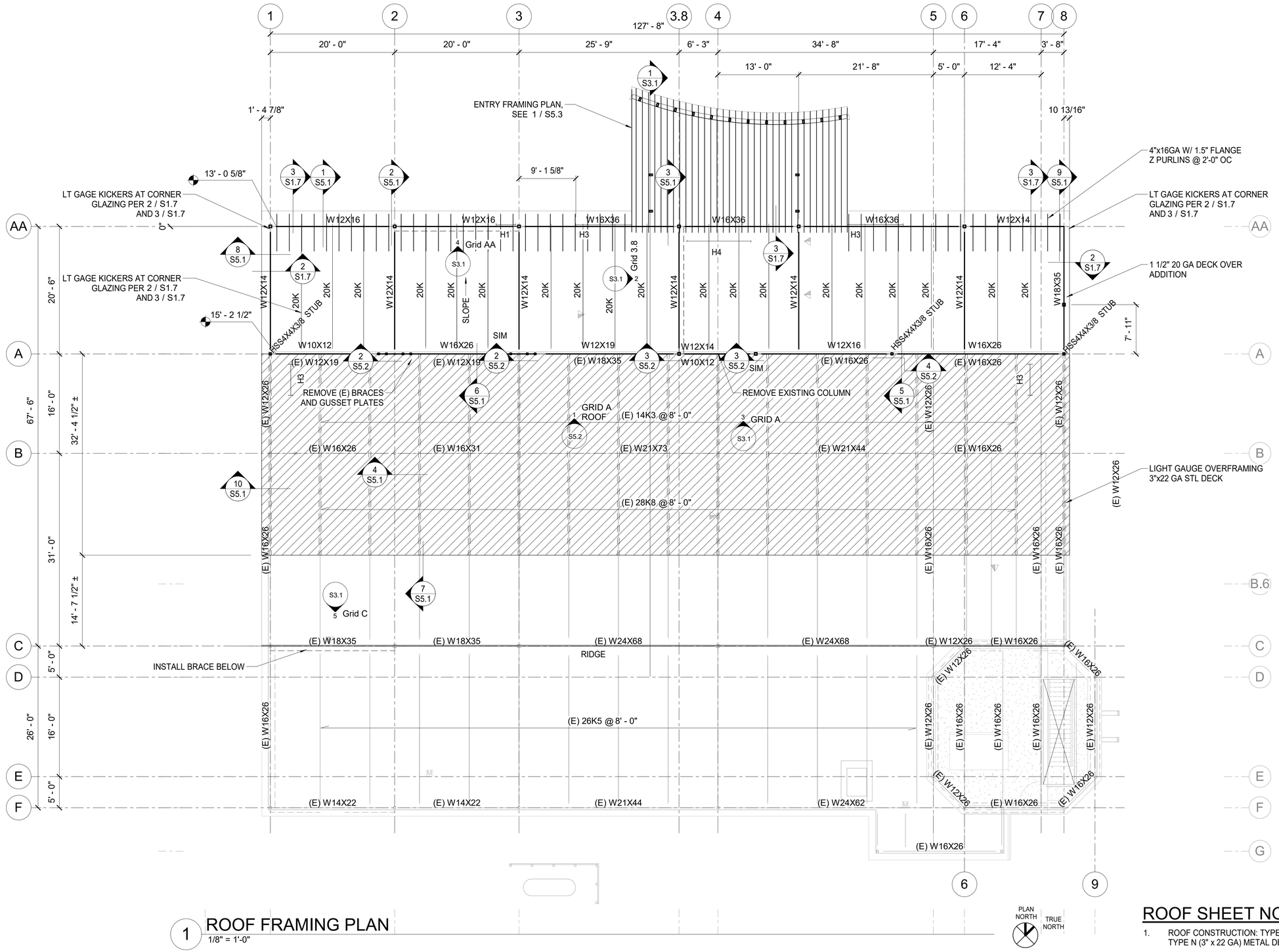
S2.1

FULL SIZE PRINTED ON 22 x 34



1 ROOF FRAMING PLAN
1/8" = 1'-0"

PLAN NORTH TRUE NORTH

ROOF SHEET NOTES

1. ROOF CONSTRUCTION: TYPE B (1 1/2") METAL DECK TYPE N (3" x 22 GA) METAL DECK @ OVERFRAMING
2. TOP OF STEEL (BOTTOM OF DECK) NOTED ON PLAN. REFERENCE ELEVATION = FINISHED SLAB ON GRADE ELEVATION = 0'-0".
3. SEE FOUNDATION PLAN FOR COLUMN SIZES.

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ROOF FRAMING PLAN

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S2.2

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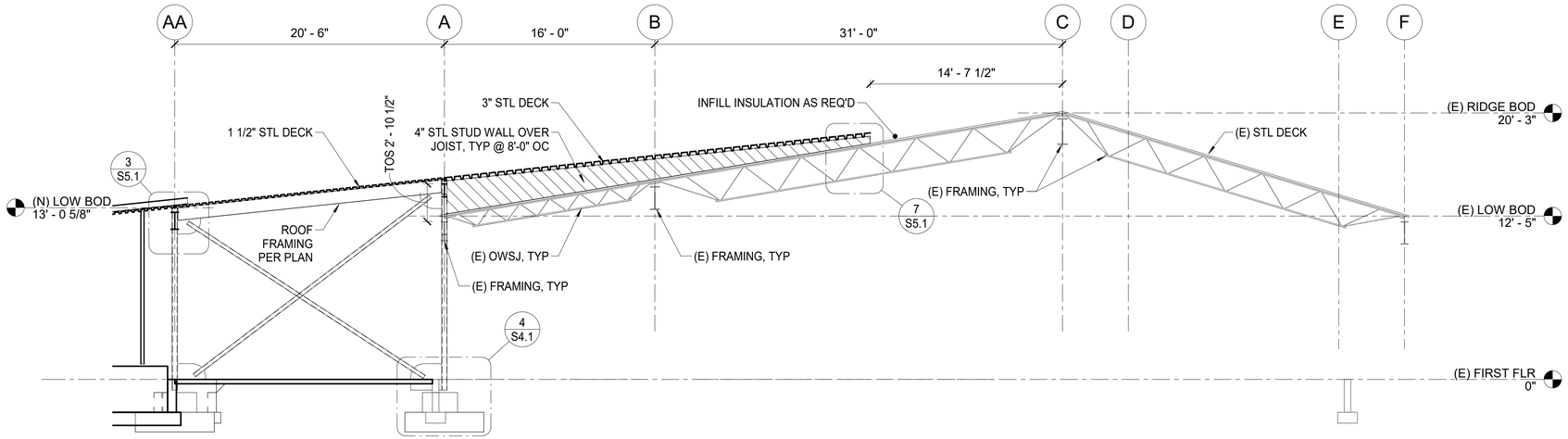
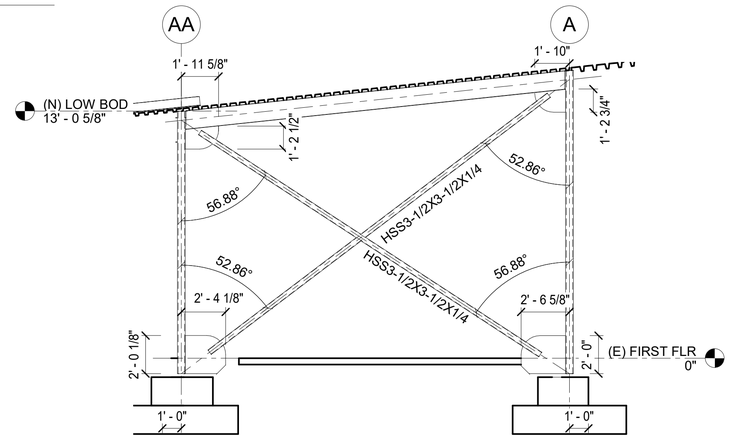
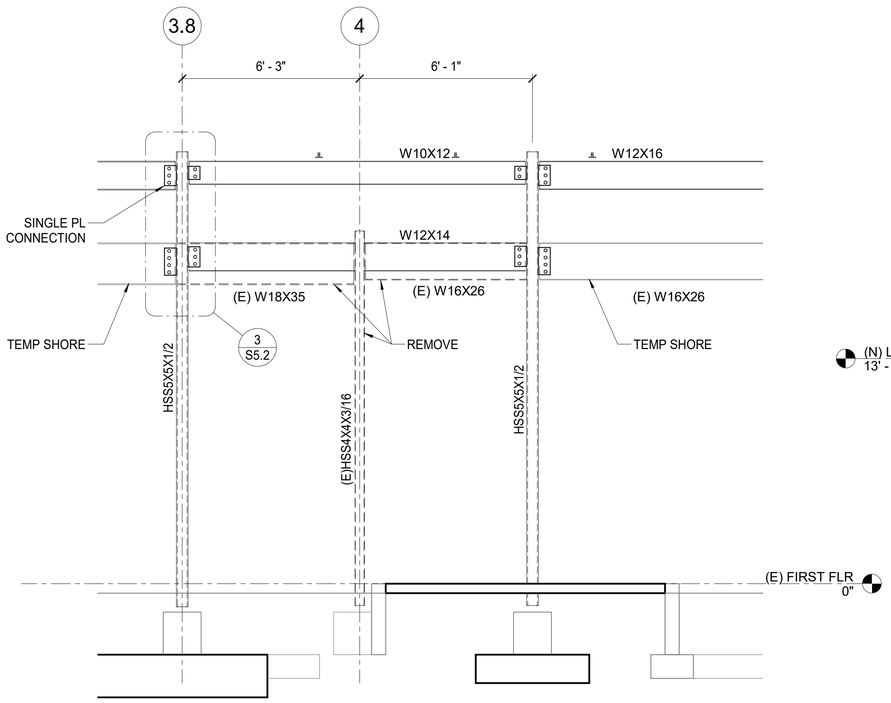


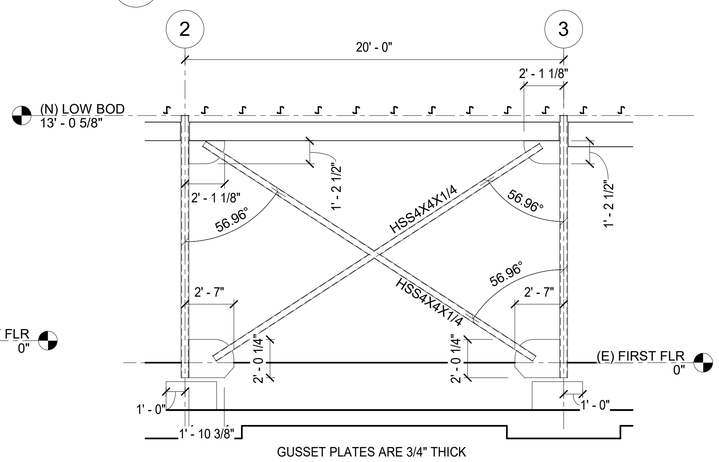
1 FRAMING ELEVATION
3/16" = 1'-0"



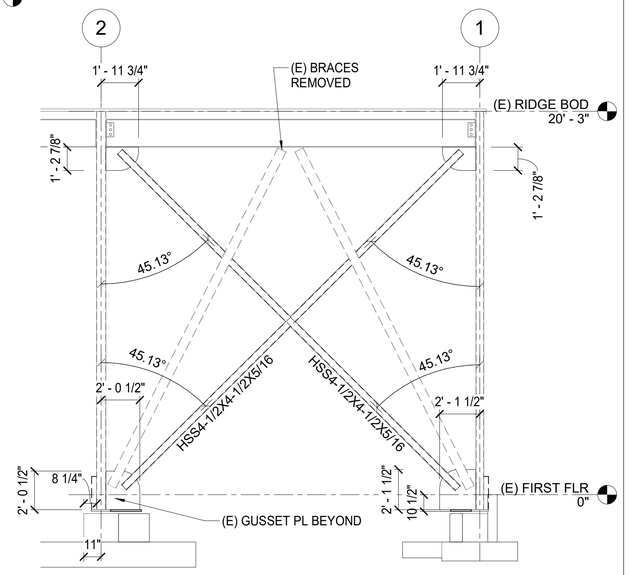
2 BRACE ELEVATION AT GRID 3.8
1/4" = 1'-0"



3 GRID A
3/8" = 1'-0"



4 BRACE ELEVATION AT GRID AA
1/4" = 1'-0"



5 BRACE ELEVATION AT GRID C
1/4" = 1'-0"

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ELEVATIONS

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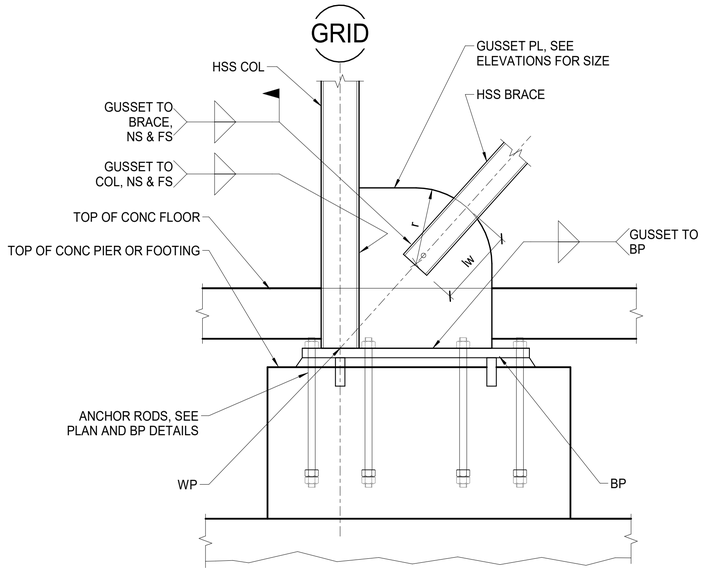
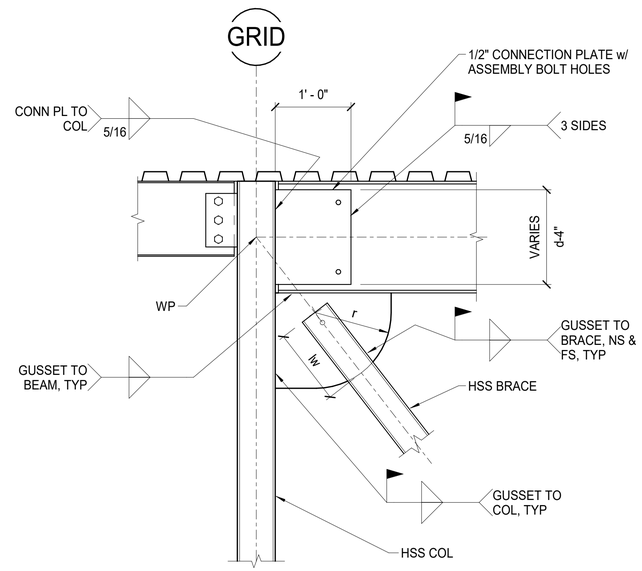
S3.1

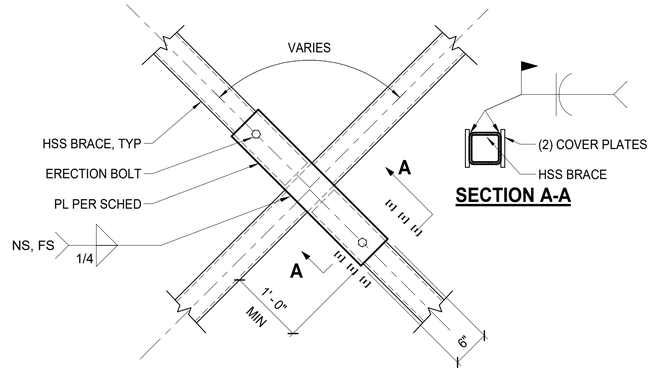
FULL SIZE PRINTED ON 22 x 34



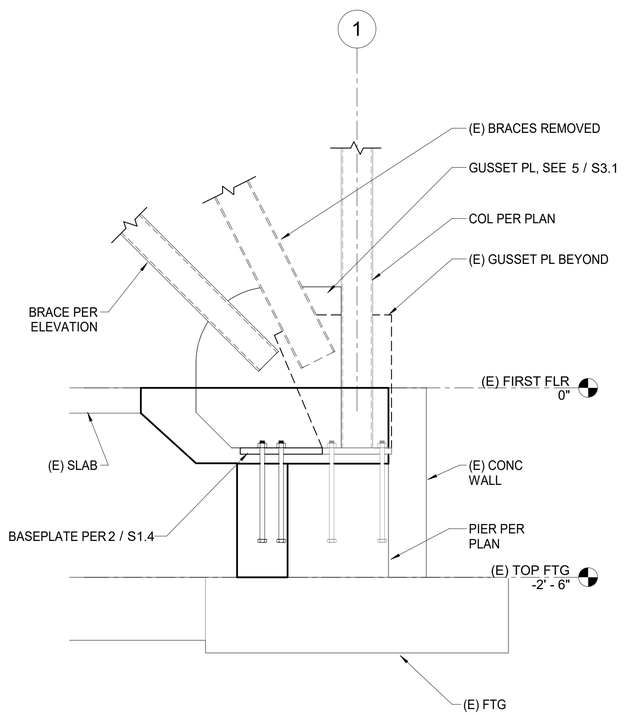
1 BRACE BOTT CONNECTION
1" = 1'-0"



2 BRACE TOP CONNECTION
1" = 1'-0"



3 BRACE CROSS CONNECTION
1" = 1'-0"



1. REMOVE EXISTING BRACES AND GUSSET PLATES AND GRIND SMOOTH PRIOR TO BASE PLATE INSTALLATION.
2. GUSSET PLATES ARE 5/8" THICK

4 DETAIL
1" = 1'-0"

OCBF BRACE CONNECTION SCHEDULE

BRACE SIZE	GUSSET PLATE		BRACE AND GUSSET WELDING				
	RADIUS (r)	THICKNESS	BRACE TO GUSSET WELD LENGTH (lw)	BRACE TO GUSSET FILLET WELD SIZE	GUSSET TO COLUMN FILLET WELD SIZE	GUSSET TO BEAM OR BP FILLET WELD SIZE	CONNECTION SPLICE COVER PL
HSS3-1/2x3-1/2x1/4	12"	1/2", UNO	4"	1/4	1/4	1/4	4x1/2
HSS4x4x1/4	12"	1/2"	4"	1/4	1/4	1/4	4x1/2
HSS4-1/2x4-1/2x5/16	12"	1/2", UNO	6"	1/4	1/4	1/4	4x1/2

BRACE NOTES

1. SLOT ALL BRACES AT CENTER LINE TO RECEIVE GUSSET PLATES. PROVIDE A SINGLE 3/4" ERECTION BOLT FOR EACH BRACE.
2. STEEL DETAILER SHALL PROVIDE TO-SCALE DRAWINGS OF ALL BRACE CONNECTIONS IN THE STRUCTURE FOR APPROVAL.
3. GUSSET PLATE MATERIAL IS ASTM A572 GR 50.
4. SEE BRACED FRAME ELEVATIONS FOR GUSSET PLATE DIMENSIONS.

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S3.2

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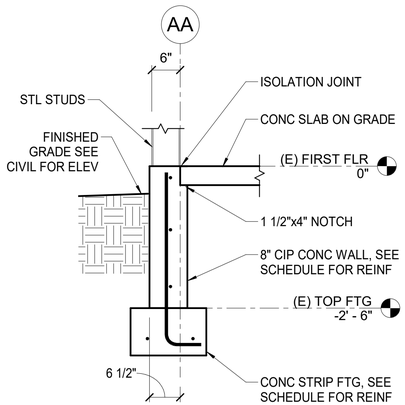
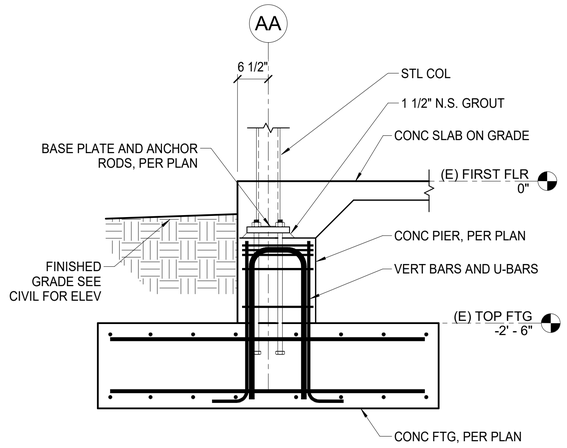
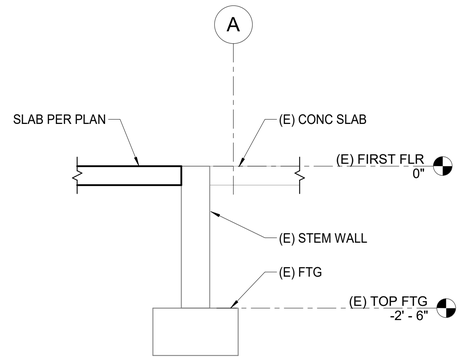


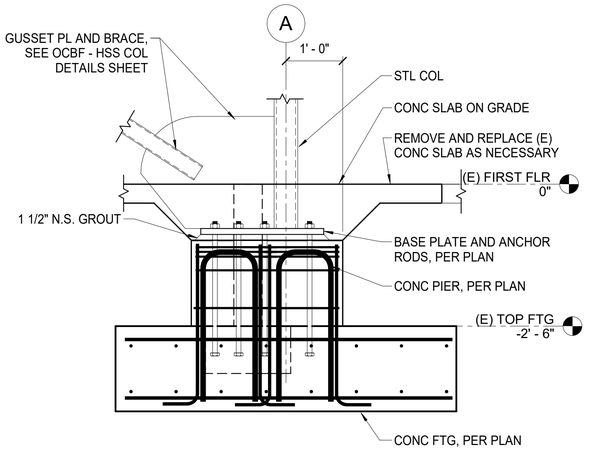
1 SECTION
3/4" = 1'-0"



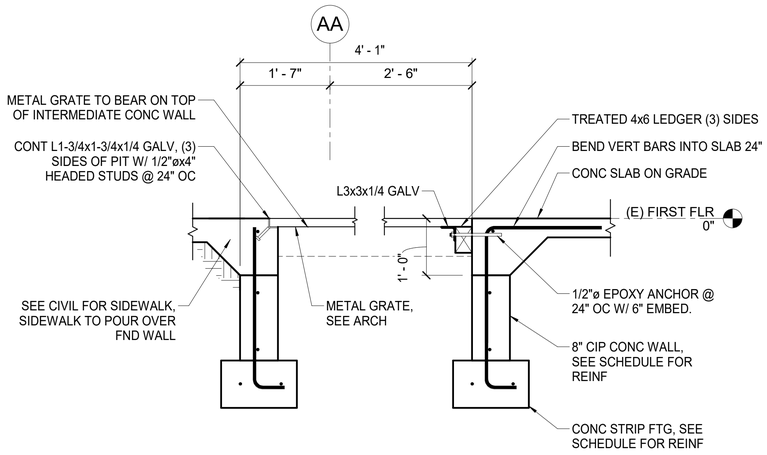
2 SECTION
3/4" = 1'-0"



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



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



5 SECTION
3/4" = 1'-0"

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S4.1

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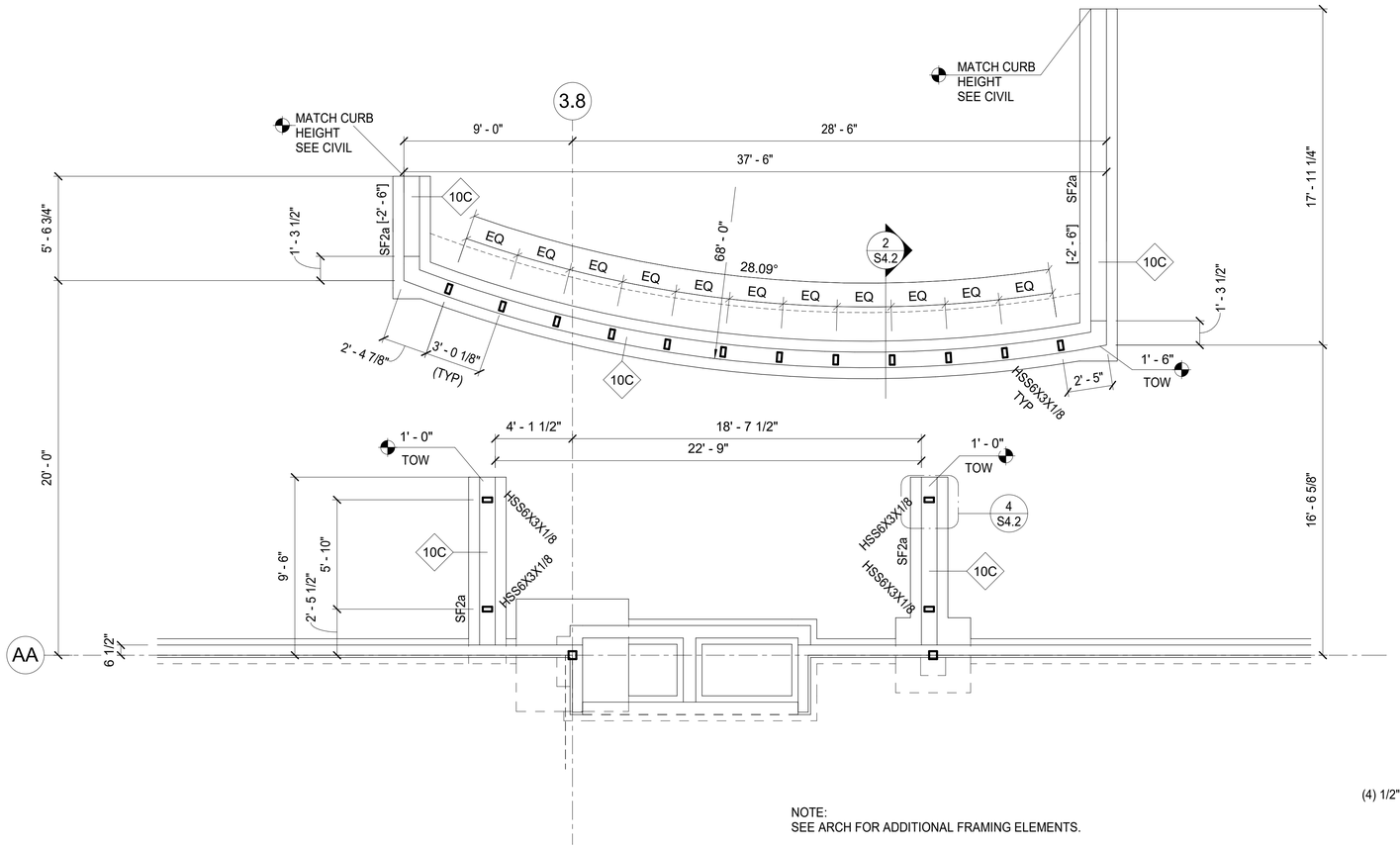
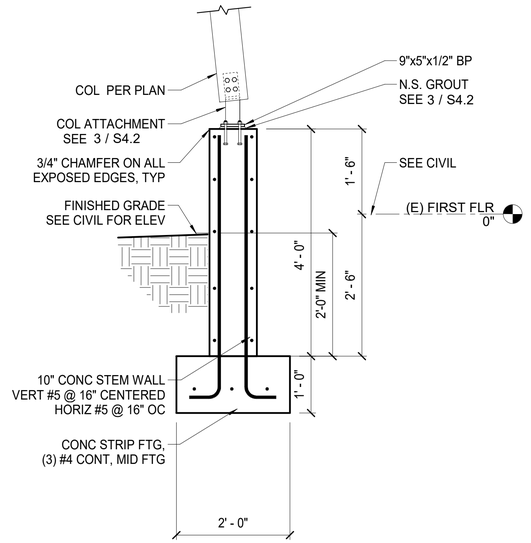
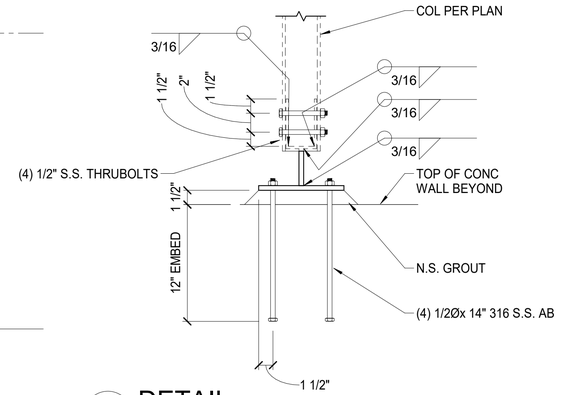


NOTE:
SEE ARCH FOR ADDITIONAL FRAMING ELEMENTS.

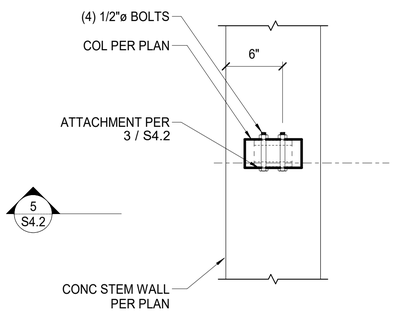
1 ENTRY FOUNDATION PLAN
1/4" = 1'-0"



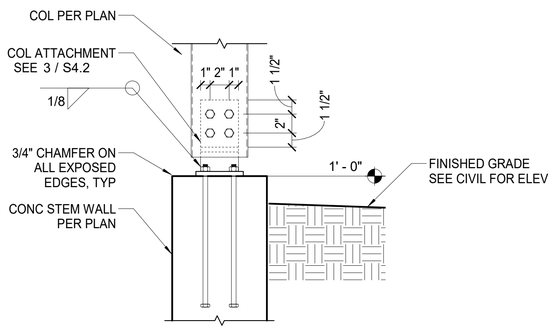
2 SECTION
3/4" = 1'-0"



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



4 COLUMN BASE CONN ON PLANTER
1 1/2" = 1'-0"



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

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ENTRY FOUNDATION LAYOUT AND DETAILS
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S4.2

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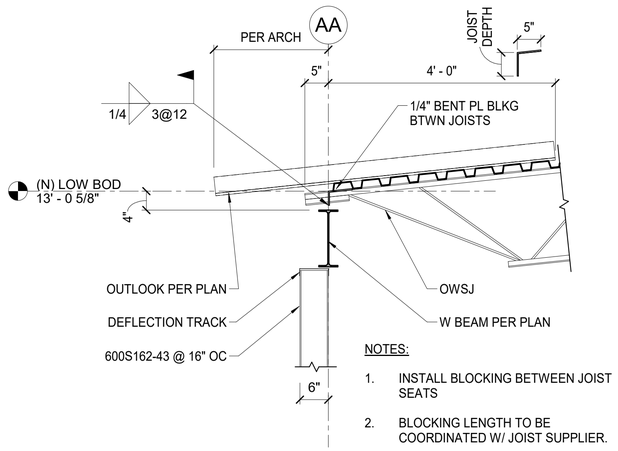
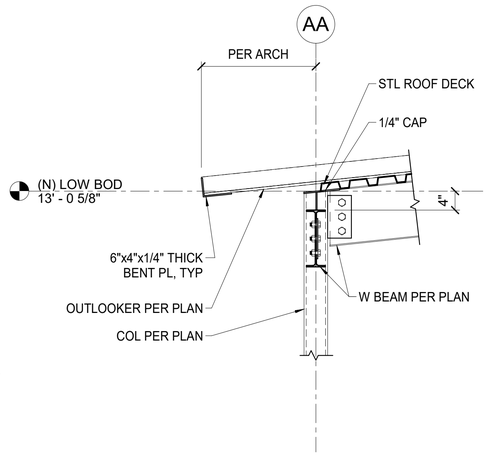


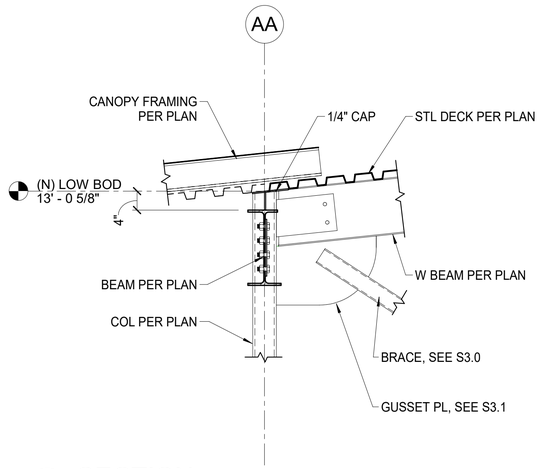
NOTES:

1. INSTALL BLOCKING BETWEEN JOIST SEATS
2. BLOCKING LENGTH TO BE COORDINATED W/ JOIST SUPPLIER.

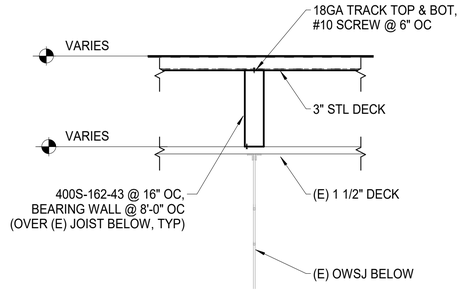
1 SECTION
3/4" = 1'-0"



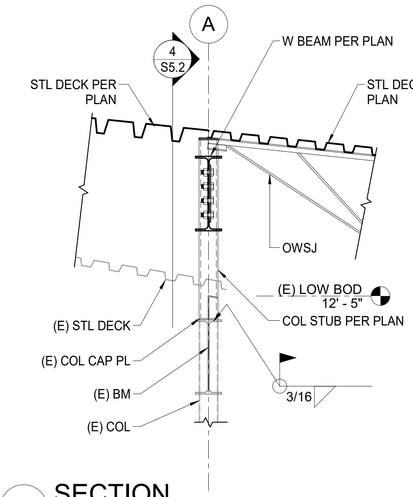
2 SECTION
3/4" = 1'-0"



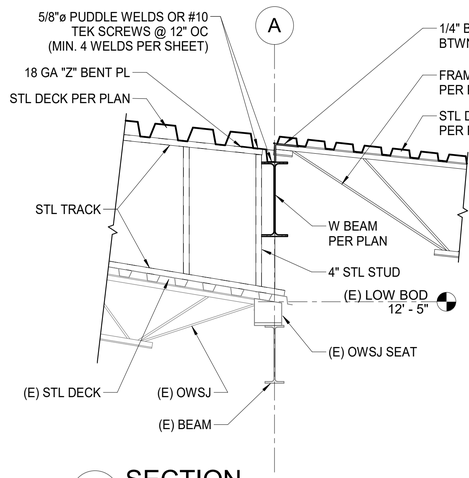
3 SECTION
3/4" = 1'-0"



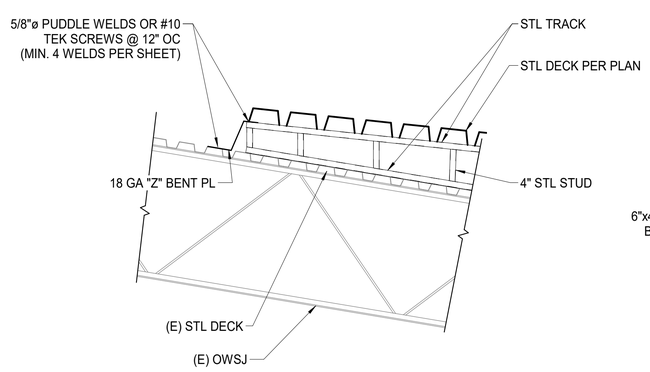
4 SECTION
3/4" = 1'-0"



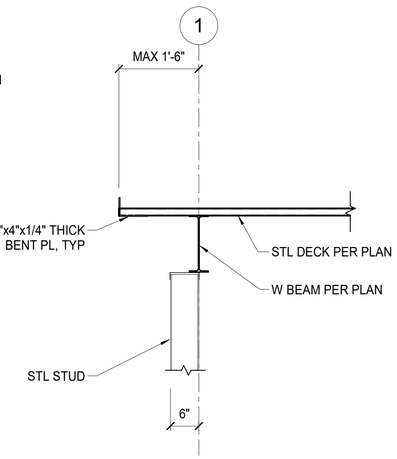
5 SECTION
3/4" = 1'-0"



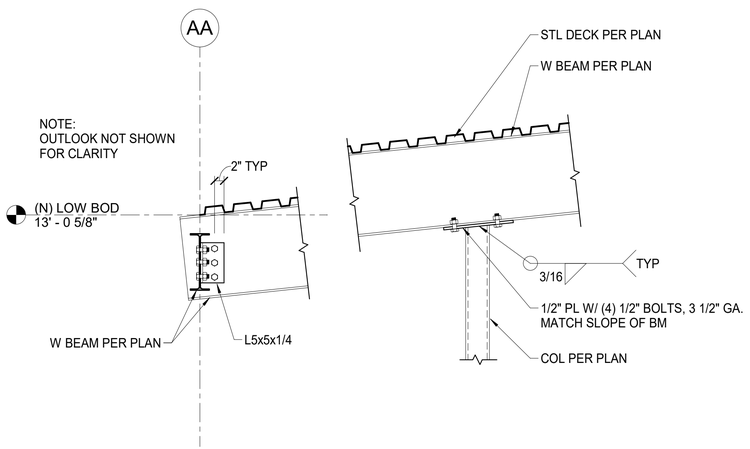
6 SECTION
3/4" = 1'-0"



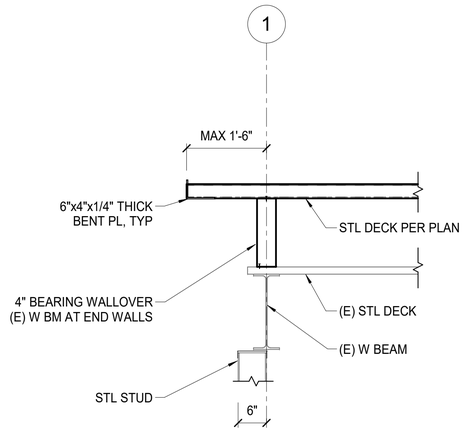
7 SECTION
3/4" = 1'-0"



8 SECTION
3/4" = 1'-0"



9 SECTION
3/4" = 1'-0"



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

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S5.1

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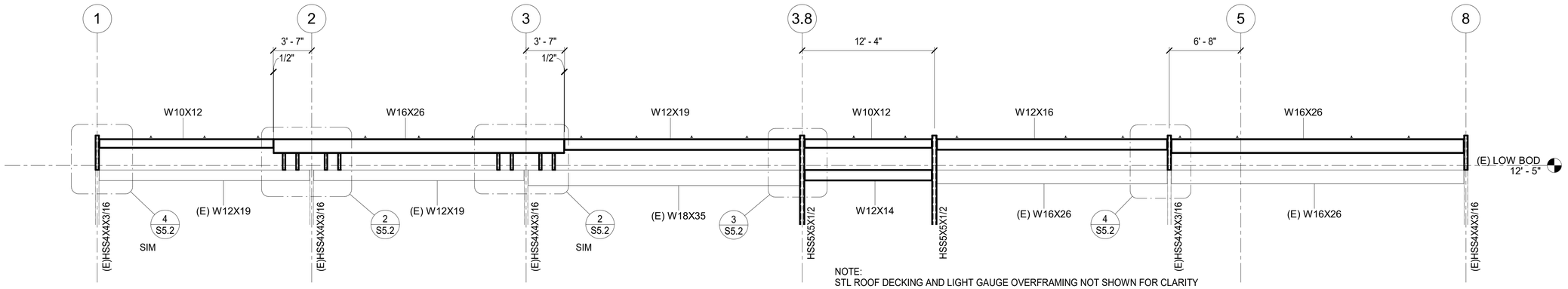
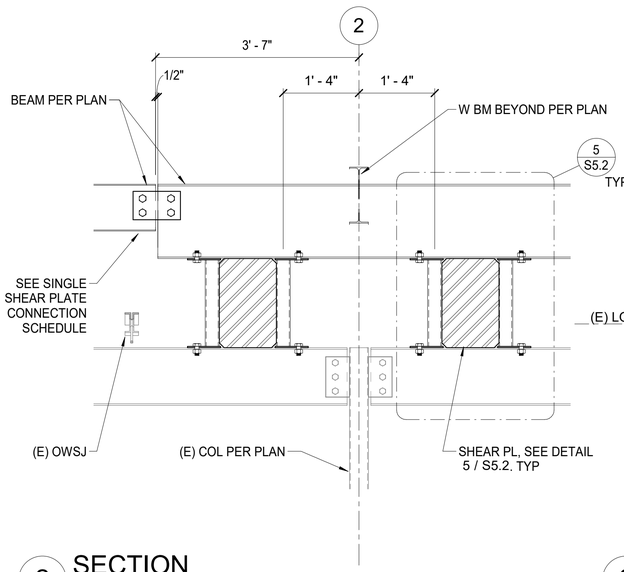
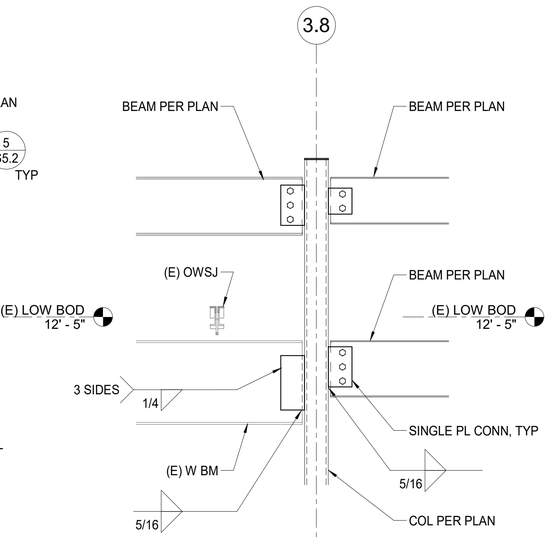


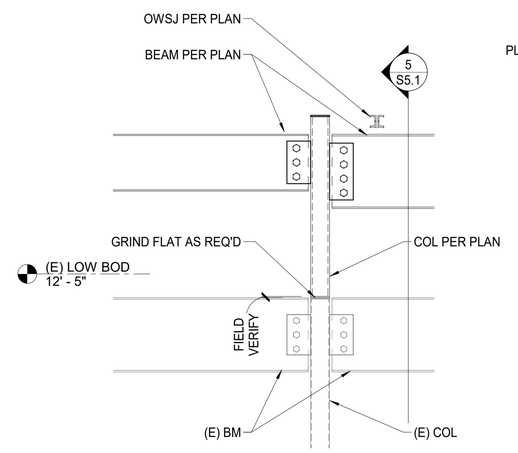
1 GRID A ROOF
3/16" = 1'-0"



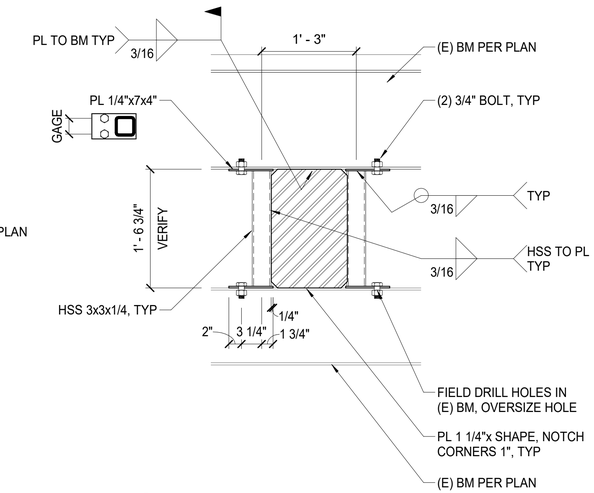
2 SECTION
3/4" = 1'-0"



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



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



5 SHEAR PL DETAIL
1" = 1'-0"

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STATE OF ALASKA
49 TH
Jesse L. Gobeli
CE-11082
4.06.20
REGISTERED PROFESSIONAL ENGINEER

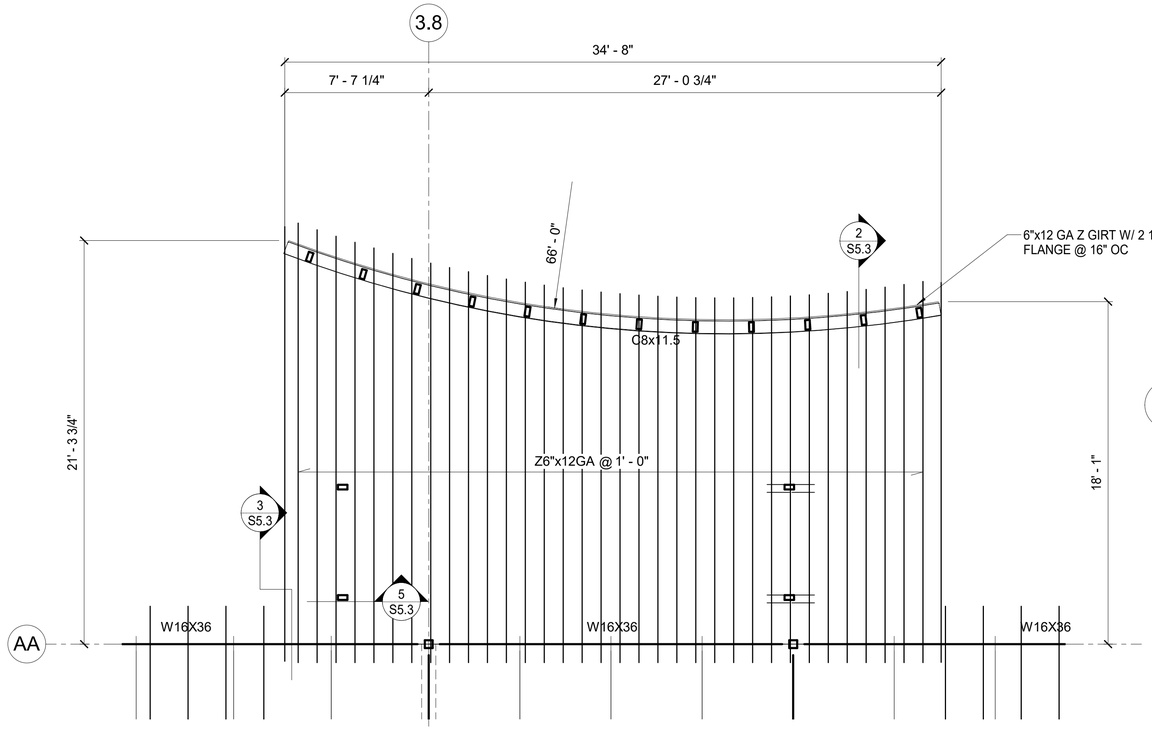
REV	DESCRIPTION	DATE

FRAMING DETAILS

AUTHOR: DL
CHECKED: JG
REVISION:
ISSUE DATE: 04/06/20 Reprint 10.01.2021
OWNER PROJECT NO: DPW 15105

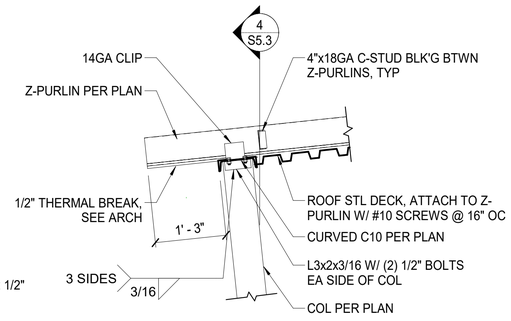
S5.2

FULL SIZE PRINTED ON 22 x 34

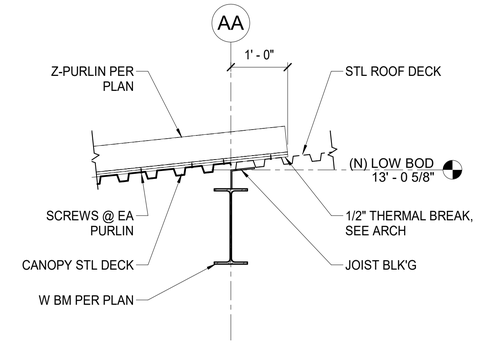


INSTALLATION SEQUENCE:
1. INSTALL STL ROOF DECK
2. INSTALL Z-PURLINS
3. INSTALL CANOPY STL DECK TO BOTT OF Z-PURLINS FROM BENEATH.
   DECK ATTACHMENT TO Z-PURLIN #12 SCREW @ 6" OC AT EA PURLIN
   #10 SIDE LAPS @ 12" OC

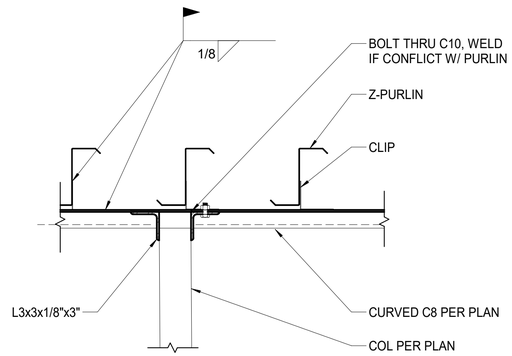
1 ENTRY FRAMING PLAN
1/4" = 1'-0"



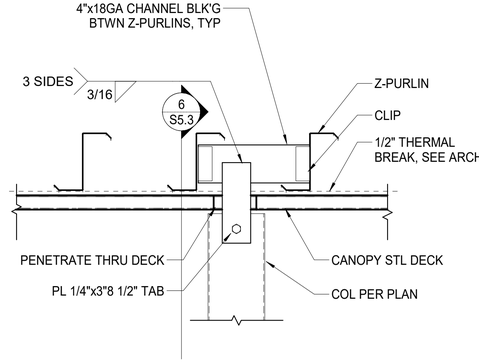
2 SECTION
3/4" = 1'-0"



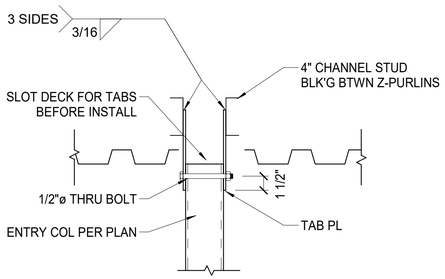
3 SECTION
3/4" = 1'-0"



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



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



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

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REV	DESCRIPTION	DATE

ENTRY ROOF PLAN AND DETAILS

AUTHOR: DL
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ISSUE DATE: 04/06/20 Reprint 10.01.2021
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S5.3

FULL SIZE PRINTED ON 22 x 34

ABBREVIATIONS

@	AT	IN HG	INCHES MERCURY
&	AND	IN WC	INCHES WATER COLUMN
#	NUMBER	INSUL	INSULATION
%	PERCENT	IPS	INTERNATIONAL PIPE STANDARD
AD	ACCESS DOOR	K	THERMAL CONDUCTIVITY
AAP	AREA ALARM PANEL	KW	KILOWATT
ADA	AMERICANS WITH DISABILITIES ACT	KWH	KILOWATT HOUR
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AFG	ABOVE FINISHED GRADE	LB/HR	POUNDS PER HOUR
AHJ	AUTHORITY HAVING JURISDICTION	LBS	POUNDS
AHU	AIR-HANDLING UNIT	LF	LINEAR FEET
ALT	ALTERNATE	L	LENGTH
AMB	AMBIENT	LWT	LEAVING WATER TEMPERATURE
AMCA	AIR MOVEMENT AND CONTROL ASSOCIATION	LOC	LOCATION/LOCATED
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE	LP	LOW PRESSURE
APD	AIR PRESSURE DROP	LR	LONG RADIUS
APPROX	APPROXIMATE	MAN	MANUAL
AR	ACID RESISTANT	MAT	MIXED AIR TEMPERATURE
ARCH	ARCHITECTURAL	MAV	MANUAL AIR VENT
ASME	AMERICAN SOCIETY OF MECHANICAL ENGINEERS	MAX	MAXIMUM
ATM	ATMOSPHERE	MBH	THOUSAND BTU PER HOUR
AUTO	AUTOMATIC	MECH	MECHANICAL
AVG	AVERAGE	MFR	MANUFACTURER
AWG	AMERICAN WIRE GAUGE	MH	MANHOLE
BAS	BUILDING AUTOMATION SYSTEM	MIN	MINIMUM, MINUTE
BDD	BACKDRAFT DAMPER	MPH	MILES PER HOUR
BHP	BRAKE HORSEPOWER, BOILER HORSEPOWER	MTD	MOUNTED
BI	BACKWARD INCLINED	N/A	NOT APPLICABLE
BLDG	BUILDING	NC	NOISE CRITERIA, NORMALLY CLOSED
BLW	BELOW	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
BOD	BOTTOM OF DUCT	NIC	NOT IN CONTRACT
BOP	BOTTOM OF PIPE	NO	NORMALLY OPEN, NUMBER
BTU	BRITISH THERMAL UNIT	NTS	NOT TO SCALE
BTUH	BTU PER HOUR	OD	OUTSIDE DIAMETER
C	COMMON, CONDENSATE	OFOI	OWNER FURNISHED, OWNER INSTALLED
C-C	CENTER TO CENTER	OSA	OUTSIDE AIR
CAP	CAPACITY, END CAP	OZ	OUNCE
CCW	COUNTER-CLOCKWISE	PD	PRESSURE DROP OR DIFFERENCE
CF	COOLING FAN, CIRCULATING FAN, CUBIC FOOT	PG	PROPYLENE GLYCOL
CFM	CUBIC FEET PER MINUTE	PL	PLATE
CI	CAST IRON	PLBG	PLUMBING
CL	CENTER LINE	POC	POINT OF CONNECTION
CLG	CEILING	PNL	PANEL
CMPR	COMPRESSOR	PH	PHASE (ELECTRICAL)
COEF	COEFFICIENT	PPM	PARTS PER MILLION
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
COND	CONDENSER	PSIA	POUNDS PER SQUARE INCH - ABSOLUTE
CTR	CENTER	PSID	POUNDS PER SQUARE INCH - DIFFERENTIAL
CU	COPPER, CONDENSING UNIT	PSIG	POUNDS PER SQUARE INCH - GAUGE
CU IN	CUBIC INCH	PRESS	PRESSURE
CV	VALVE FLOW COEFFICIENT	PRI	PRIMARY
CW	CLOCKWISE	R-407C,	REFRIGERANT (407C,410A,ETC.)
DB	DECIBEL	R-410A	
DBT	DRY-BULB TEMPERATURE	R/A	RETURN AIR
DDC	DIRECT DIGITAL CONTROL	RAD	RADIANT OR RADIATION
DEG OR °	DEGREE	RCVR	RECEIVER
DEG C	DEGREE CENTIGRADE	RECIRC	RECIRCULATE
DEG F	DEGREE FAHRENHEIT	RED	REDUCER
DEMO	DEMOLITION	REFRIG	REFRIGERATION
DENS	DENSITY	REV	REVOLUTIONS
DGM	DIAGRAM	RF	RELIEF FAN OR RETURN FAN
DI	DUCTILE IRON	RH	RELATIVE HUMIDITY
DIA OR □	DIAMETER	RM	ROOM
DIFF	DIFFERENCE OR DELTA	RPM	REVOLUTIONS PER MINUTE
DIP	DUCTILE IRON PIPE	RPS	REVOLUTIONS PER SECOND
DISS	DIAMETER-INDEX SAFETY SYSTEM	S/A	SUPPLY AIR
DN	DOWN	SAT	SATURATION
DO	DITTO	SCHD	SCHEDULE
DTL	DETAIL	SCFM	STANDARD CUBIC FEET PER MINUTE
DWDI	DOUBLE WIDTH DOUBLE INLET	SD	STORM DRAIN
DWG	DRAWING	SEC	SECONDARY
(E)	EXISTING	SF	SQUARE FEET
EA	EACH	SH	SENSIBLE HEAT
E/A	EXHAUST AIR	SHG	SENSIBLE HEAT GAIN
EAT	ENTERING AIR TEMPERATURE	SHR	SENSIBLE HEAT RATIO
EF	EXHAUST FAN	SHT	SHEET
EFF	EFFICIENCY	SHWR	SHOWER
EFT	ENTERING FLUID TEMPERATURE	SP	STATIC PRESSURE
EG	ETHYLENE GLYCOL, EXHAUST GRILLE	SPD	STATIC PRESSURE DROP
ELEC	ELECTRICAL	SPEC	SPECIFICATION, SPECIFIED
ELEV	ELEVATION	SPKLR	SPRINKLER
EMB	EMBEDMENT	SR	SHORT RADIUS
ENT	ENTERING	SWSI	SINGLE WIDTH SINGLE INLET
EQIV FT	EQUIVALENT FEET	SQ	SQUARE
ESP	EXTERNAL STATIC PRESSURE	SS	STAINLESS STEEL, SANITARY SEWER
EVAP	EVAPORATOR	STD	STANDARD
EXP	EXPANSION	SUCT	SUCTION
EWT	ENTERING WATER TEMPERATURE	TA	TRANSFER AIR
°F	FAHRENHEIT	TEMP	TEMPERATURE, TEMPORARY
FA	FACE AREA	THRU	THROUGH
F-F	FACE TO FACE	TOD	TOP OF DUCT
FD	FIRE DAMPER	TONS	TONS OF REFRIGERATION
FLEX	FLEXIBLE	TOP	TOP OF PIPE
FLR	FLOOR	TYP	TYPICAL
FOB	FLAT ON BOTTOM	UG	UNDERGROUND
FOT	FLAT ON TOP	UNO	UNLESS NOTED OTHERWISE
FP	FREEZING POINT	UPC	UNIFORM PLUMBING CODE
FPM	FEET PER MINUTE	V	VOLTS OR VOLTAGE
FPS	FEET PER SECOND	VAC	VACUUM
FSD	FIRE-SMOKE DAMPER	VAC	VOLTS (ALTERNATING CURRENT)
FSDM	FIRE-SMOKE DAMPER, MODULATING	VAL	VALVE
FT OR '	FOOT OR FEET	VAP PR	VAPOR PRESSURE
FV	FACE VELOCITY	VAR	VARIABLE
GA	GAGE OR GAUGE	VAV	VARIABLE AIR VOLUME
GAL	GALLONS	VDC	VOLTS (DIRECT CURRENT)
GPD	GALLONS PER DAY	VEL	VELOCITY
GPH	GALLONS PER HOUR	VERT	VERTICAL
GPM	GALLONS PER MINUTE	VFD	VARIABLE FREQUENCY DRIVE
GR	GRAINS	VOL	VOLUME
GRD	GRILLES, REGISTERS, DIFFUSERS	VP	VELOCITY PRESSURE
HD	HEAD	VSD	VARIABLE SPEED DRIVE
HDPE	HIGH DENSITY POLYETHYLENE	VTR	VENT THROUGH ROOF
HG	HEAT GAIN	W	WATT
HT	HEIGHT	W/	WITH
HP	HORSEPOWER	W/O	WITHOUT
HR	HOUR(S)	WB	WET BULB TEMPERATURE
HVAC	HEATING, VENTILATING & AIR-CONDITIONING	WC	WATER COLUMN
HZ	FREQUENCY	WH	WATT-HOUR
IAW	IN ACCORDANCE WITH	WP	WEATHER PROOF, WATER PROOF
ID	INSIDE DIAMETER	WPD	WATER PRESSURE DROP
IE	INVERT ELEVATION	WT	WEIGHT
IBC	INTERNATIONAL BUILDING CODE	YD	YARD
IFC	INTERNATIONAL FIRE CODE	ZVB	ZONE VALVE BOX
IMC	INTERNATIONAL MECHANICAL CODE		
IN OR "	INCH OR INCHES		

GENERAL

SYMBOL	DESCRIPTION
1 / 2.	SHEET NOTE CONVENTION: REFERENCED SHEET NOTE GENERAL SHEET NOTE
	NORTH ARROW
1 / M0.1	DETAIL REFERENCE DETAIL NUMBER SHEET WHERE DETAIL APPEARS
A / M0.1	SECTION REFERENCE SECTION LETTER SHEET WHERE SECTION APPEARS
	POINT OF CONNECTION
P-#	PLUMBING FIXTURE NUMBER
ID / EQ#	EQUIPMENT SYMBOL EQUIPMENT DESIGNATION EQUIPMENT NUMBER
ID / CFM	AIR OUTLET SYMBOL AIR OUTLET DESIGNATION CFM
FT# / LF GPM	BASEBOARD FINTUBE DESIGNATION FINTUBE DESIGNATION GPM LINEAR FEET OF FINTUBE ELEMENT
XXX	AIR TERMINAL UNIT TAG
	LINE CONVENTION NEW OR REINSTALLED ITEM ITEM TO BE DEMOLISHED EXISTING ITEM TO REMAIN EXISTING ITEM TO BE RELOCATED

CONTROLS

SYMBOL	ABBR.	DESCRIPTION
T	TSTAT	THERMOSTAT
H		HUMIDISTAT
XX2		CARBON DIOXIDE DETECTOR
XO		CARBON MONOXIDE DETECTOR
		LOW VOLTAGE CONTROL
		CONTROL AIR/PNEUMATIC
CS	CS	CURRENT SWITCH
CT	CT	CURRENT TRANSMITTER
FS	FS	FLOW SWITCH
TT	TT	TEMPERATURE TRANSMITTER
TIT	TIT	TEMPERATURE INDICATOR TRANSMITTER
PIT	PIT	PRESSURE INDICATOR TRANSMITTER
DPS	DPS	DIFFERENTIAL PRESSURE SWITCH
DPI	DPI	DIFFERENTIAL PRESSURE INDICATOR
PI OR	PI	PRESSURE INDICATOR, GAUGE
TI OR	TI	TEMPERATURE INDICATOR, THERMOMETER
FI	FI	FLOW INDICATOR

GENERAL PIPING

SYMBOL	ABBR.	DESCRIPTION
	V	VENT
		BALL VALVE
	GV	GATE VALVE
		GLOBE VALVE
	BV	BUTTERFLY VALVE
	TDV	TRIPLE DUTY VALVE
	CV	CHECK VALVE
		BACKFLOW PREVENTER ASSEMBLY
		PRESSURE REDUCING VALVE
		PRESSURE REGULATOR VALVE
		PLUG VALVE
S	SOV	SOLENOID OPERATED VALVE
M OR M	MOV	2 WAY MOTOR OPERATED VALVE
M OR M	MOV	3 WAY MOTOR OPERATED VALVE
		2 WAY PNEUMATIC OPERATED VALVE
		3 WAY PNEUMATIC OPERATED VALVE
		BALANCING VALVE
	FCV	AUTOMATIC FLOW CONTROL VALVE
	SV	SAFETY VALVE, PRESSURE RELIEF VALVE
	VB	VACUUM BREAK
	AAV	AIR VENT, AUTO WITH ISOLATION VALVE
	MAV	AIR VENT, MANUAL
	PTTP	PRESSURE & TEMP TEST PLUG
		STRAINER W/ BLOWDOWN HOSE FITTING
		EQUIPMENT OR PIPE DRAIN VALVE W/HOSE FITTING
		EQUIPMENT OR PIPE DRAIN PLUG W/HOSE FITTING
		REDUCER (CONCENTRIC)
		REDUCER (ECCENTRIC)
		FLOW ARROW
		ANCHOR
		PIPE GUIDE
		PIPE SLEEVE
		PIPE UNION
		PIPE FLANGE
		FLEXIBLE CONNECTION
M		METER
		LINE BREAK
		END CAP
		PIPE UP / TEE UP
		PIPE DOWN (ELBOW)
		PIPE DOWN (TEE)

FIRE PROTECTION

SYMBOL	ABBR.	DESCRIPTION
	FW	FIRE WATER
	WPS	WET PIPE
	DPS	DRY PIPE
	WSP	WET STAND PIPE
	DSP	DRY STAND PIPE
	CLA	CLEAN AGENTS
		PENDANT
		UPRIGHT
		SIDEWALL
		UP AND DOWN
		UNDER
		DRY PENDANT
		DRY SIDEWALL
		FIRE DEPARTMENT CONNECTION
		FIRE HOSE VALVE
		FIRE ALARM BELL

PLUMBING

SYMBOL	ABBR.	DESCRIPTION
	CW	COLD WATER
	HW	HOT WATER
	HWC	HOT WATER CIRCULATION
	V	VENT
	TW	TEMPERED WATER
	TWC	TEMPERED WATER CIRCULATION
	TP	TRAP PRIMER
	W	WASTE WATER
	ARW	ACID RESISTANT WASTE
	ARV	ACID RESISTANT VENT
	IW	INDIRECT WASTE
	SD	STORM DRAIN
	RL, ORL	RAINLEADER, OVERFLOW RAINLEADER
	HB	HOSE BIB
	WHA	WATER HAMMER ARRESTER
A	PDI	PLUMBING AND DRAINAGE INSTITUTE WATER HAMMER ARRESTER SIZE A, B, C, D, OR E
TP		AUTOMATIC TRAP PRIMER VALVE
	FCO, YCO	FLOOR CLEANOUT, YARD CLEANOUT
	WCO	WALL CLEANOUT
	FD, FS	FLOOR DRAIN, FLOOR SINK
	RD, ORD	ROOF DRAIN, OVERFLOW ROOF DRAIN

PIPING

SYMBOL	ABBR.	DESCRIPTION
	GHS	HEATING GLYCOL SUPPLY
	GHR	HEATING GLYCOL RETURN
	SMS	SNOWMELT HEATING SUPPLY
	SMR	SNOWMELT HEATING RETURN
	SMT	SNOWMELT SYSTEM TUBING
ENCLOSURE / FINTUBE ELEMENT	FT	BASEBOARD FINTUBE RADIATION
	UH	UNIT HEATER
OR	CUH	CABINET UNIT HEATER, HORIZONTAL OR VERTICAL

FUEL

SYMBOL	ABBR.	DESCRIPTION
	FOS	FUEL OIL SUPPLY
	FOR	FUEL OIL RETURN
	FOV	FUEL OIL VENT
	PG	PROPANE (GAS)
	LP	PROPANE (LIQUID)
OSV	OSV	OIL SAFETY VALVE

VENTILATION

SYMBOL	ABBR.	DESCRIPTION
		DOUBLE LINE DUCTWORK
		SINGLE LINE DUCTWORK
		FLEX DUCTWORK
		SLOT GRILLES/REGISTERS/DIFFUSERS
	S/A	GRILLES/REGISTERS/DIFFUSERS - SUPPLY AIR
	R/A	GRILLES/REGISTERS/DIFFUSERS - RETURN AIR
	E/A	GRILLES/REGISTERS/DIFFUSERS - EXHAUST AIR
OR		AIR FLOW ARROW
VD	VD	AIR VOLUME DAMPER
FD	FD	FIRE DAMPER
SD	SD	SMOKE DAMPER
FSD	FSD	FIRE-SMOKE DAMPER
	AL	ACOUSTICAL DUCT LINING
		DUCT INSULATION
12ø		DUCT: ROUND
20X12		DUCT: RECTANGULAR FIRST FIGURE SIDE SHOWN
20X12 F.O.		DUCT: FLAT OVAL FIRST FIGURE SIDE SHOWN
M	MOD	MOTORIZED OPERATED DAMPER
	OBD	OPPOSED BLADE DAMPER
	PBD	PARALLEL BLADE DAMPER
	BDD	BACK DRAFT DAMPER
		DAMPER

SUPPLY RETURN EXHAUST ROUND — DUCT TURNING UP OR TOWARD

SUPPLY RETURN EXHAUST ROUND — DUCT TURNING DOWN OR AWAY

MECHANICAL DRAWING INDEX

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M4.2 DIAGRAMS AND DETAILS
M4.3 DIAGRAMS AND DETAILS
M4.4 DIAGRAMS AND DETAILS

NOTE: THIS IS A STANDARD LEGEND, SOME OF THE SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY ON THE DRAWINGS.

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STATE OF ALASKA 49 TH
Tamara D. Hamler
10/01/2021
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REGISTERED PROFESSIONAL ENGINEER
18812

ABBREVIATIONS AND LEGEND

AUTHOR: DNS CHECKED: TDH
REVISION:
ISSUE DATE: 10/01/2021
OWNER PROJECT NO: DPW 15105

M0.1

FULL SIZE PRINTED ON 22 x 34

FAN SCHEDULE

SYMBOL	LOCATION	USE	SCFM	SP (IN WC)	FAN RPM	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS BASIS OF DESIGN
SECTION 23 3400 - FANS								
EF-1	LOBBY	GENERAL EXHAUST	800	0.75	1,265	1/2,120,1	70	INLINE EXHAUST FAN: DIRECT DRIVE, STEEL HOUSING, BACKWARD INCLINED ALUMINUM WHEEL, WITH SPEED CONTROLLER. GREENHECK SQ-120-A

LOUVER/HOOD SCHEDULE

SYMBOL	UNIT AND USAGE	SCFM	SIZE	MIN FREE AREA (SF)	MAX FREE AREA VEL (FPM)	MAX APD (IN WC)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
SECTION 23 3700 - AIR OUTLETS AND INLETS								
LV-1	EF-1 GENERAL EXHAUST	800	18H X 30W	1.7	444	0.05	20	LOUVER: 2" THICK EXTRUDED ALUMINUM, 30 DEGREE BLADES WITH BIRD SCREEN. RUSKIN ET-125-30
LV-2	SCF-1 OSA INTAKE	1,400	24H X 36W	3.0	470	0.05	20	LOUVER: 4" THICK EXTRUDED ALUMINUM, 37.5 DEGREE DRAINABLE BLADES WITH BIRD SCREEN, AMCA RATED FOR WATER AND AIR. RUSKIN ELF375DX
LV-3	SCF-1 RELIEF	1,400	24H X 48W	5.0	290	0.01	15	LOUVER: 2" THICK EXTRUDED ALUMINUM, 30 DEGREE BLADES WITH BIRD SCREEN. RUSKIN ET-125-30

AIR INLET/OUTLET SCHEDULE

SYMBOL	MAX SCFM RANGE	MAX NC	MAX APD (IN WC)	ACTIVE FACE SIZE (INCH)	DUCT SIZE (INCH)	BASIS OF DESIGN	REMARKS
SECTION 23 3700 - AIR OUTLETS AND INLETS							
SA	25	-	0.01	24X24	6	TITUS TMS-AA	SQUARE CEILING SUPPLY DIFFUSER: ALUMINUM, 3 SQUARE CONES, COORDINATE COLOR WITH ARCHITECTURAL, 24X24 FULL-FACE PANEL FOR LAY-IN CEILING BORDER.
SB	175	-	0.03	24X24	8	TITUS TMS-AA	SAME AS SA, EXCEPT SIZE AND PERFORMANCE.
SC	270	-	0.03	24X24	10	TITUS TMS-AA	SAME AS SA, EXCEPT SIZE AND PERFORMANCE.
SD	175	14	0.07	15 DIA	8	TITUS TMR-AA	ROUND CEILING SUPPLY DIFFUSER: ALUMINUM, 3 ROUND CONES, COORDINATE COLOR WITH ARCHITECTURAL, 2 DISCHARGE SETTINGS, SURFACE MOUNT CEILING BORDER.
SE	25	-	0.01	12X12	6	TITUS TMS (FR)	SQUARE CEILING FIRE RATED SUPPLY DIFFUSER: STEEL, 3 SQUARE CONES, 3-HOUR FIRE RATED, UL LISTED, COORDINATE COLOR WITH ARCHITECTURAL, 12X12 FULL-FACE PANEL FOR SURFACE MOUNT CEILING BORDER.
SF	150	17	0.04	6X48	8	TITUS ML-38	LINEAR SLOT CEILING SUPPLY DIFFUSER: ALUMINUM, FOUR SLOTS, 3/4-INCH SLOT WIDTH, STEEL PATTERN CONTROLLERS TO MODIFY AIRFLOW DIRECTION, COLOR TO BE BLACK, COORDINATE WITH ARCHITECTURAL, WOOD PANEL CEILING BORDER. BORDER TRIM TO BE SELECTED BY ARCHITECT. PROVIDE WITH 11 INCH HIGH PLENUM MP-38.
SG	175	19	0.03	6X48	10	TITUS ML-38	SAME AS SF, EXCEPT SIZE AND PERFORMANCE.
SH	200	18	0.03	6X48	12	TITUS ML-38	SAME AS SF, EXCEPT SIZE AND PERFORMANCE.
RA	-	-	-	24X24	-	TITUS PXP-AA	CEILING RETURN DIFFUSER: ALUMINUM, PERFORATED FLUSH FACE, 24X24 PANEL FOR LAY-IN CEILING BORDER.
RB	-	-	0.02	26 DIA	-	TITUS TMR-AA	ROUND CEILING RETURN DIFFUSER: ALUMINUM, 3 ROUND CONES, COORDINATE COLOR WITH ARCHITECTURAL, SURFACE MOUNT CEILING BORDER.
EA	120	11	0.08	12X12	6X6	TITUS PAR-AA	CEILING EXHAUST DIFFUSER: ALUMINUM, PERFORATED FLUSH FACE, SURFACE MOUNT CEILING BORDER.
EB	225	-	0.02	16X16	14X14	TITUS PAR-AA	CEILING EXHAUST DIFFUSER: ALUMINUM, PERFORATED FLUSH FACE, SURFACE MOUNT CEILING BORDER.

AIR TERMINAL UNIT SCHEDULE

VAV-NUMBER	LOCATION	AHU	MIN CFM	MAX HEAT. CFM	MAX COOL. CFM	EAT (DEG F)	LAT (DEG F)	MAX APD (IN WC)	COIL MBH	COIL ROWS	COIL GPM (1)	FAN MOTOR (HP,V,PH)	BOX INLET
SECTION 23 3600 - AIR TERMINAL UNITS													
100(E)	ROOM 111	AHU-1	273	273	273	-	-	-	-	-	-	-	(4)
101(E)	ROOM 115	AHU-1	334	334	334	-	-	-	-	-	-	-	(4)
107(E)	ROOM 107	AHU-1	410	410	854	65	85	0.10	8.9	-	0.9	-	(5)
111(E)	ROOM 122	AHU-1	320	320	724	65	85	0.10	6.9	-	0.7	-	(5)
112(E)	ROOM 123	AHU-1	530	530	808	65	85	0.10	11.5	-	1.2	-	(5)
115(E)	ROOM 114	AHU-1	575	575	575	-	-	-	-	-	-	-	(4)
118(E)	ROOM 119	AHU-1	320	320	724	65	85	0.10	6.9	-	0.7	-	(5)
119(E)	ROOM 120	AHU-1	455	455	804	65	85	0.10	9.8	-	1.0	-	(5)
120(E)	ROOM 119	AHU-1	630	630	1,127	65	85	0.10	13.7	-	1.4	-	(5)
121(E)	ROOM 114	AHU-1	150	150	306	65	85	0.15	3.2	-	0.3	-	(5)
122(E)	ROOM 110	AHU-1	1,051	1,051	1,051	-	-	-	-	-	-	-	(4)
123	STUDY 1	AHU-1	75	150	150	-	-	0.02	-	-	-	-	6" (2)
124	YA OPEN STUDY	AHU-1	175	350	350	-	-	0.01	-	-	-	-	9" (2)
125	LOBBY	AHU-1	175	350	350	-	-	0.01	-	-	-	-	9" (2)
126	CIRCULATION DESK	AHU-1	175	350	350	-	-	0.01	-	-	-	-	9" (2)
127	CHILDRENS	AHU-1	900	1,100	1,100	60	79	0.20	22.3	2	1.5	-	12" (2)
128	TEEN	AHU-1	200	450	450	60	94	0.03	13.9	1	1.3	1/6,120,1	SIZE 2; 8" INLET (3)

NOTES:
(1) SUBMITTALS SHALL INDICATE HEATING CAPACITY AT HEATING CFM. 180 DEGREE F EFT, 50% PG FLUID.
(2) BASIS OF DESIGN: TITUS DESV.
(3) BASIS OF DESIGN: TITUS DTQP.
(4) EXISTING UNIT.
(5) EXISTING PARALLEL FAN POWERED TERMINAL UNIT.

SMALL CABINET FAN SCHEDULE

SYMBOL	LOCATION	FAN SERVICE	SCFM	EXT / INT SP (IN WC)	FAN SIZE (INCH)	FAN TYPE	FAN RPM	FAN EFF & BHP	MOTOR (HP,V,PH)	COIL	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
SECTION 23 3400 - FANS												
SCF-1	CHAIR STORAGE	VENT	1,400	0.75/1.0	13.6	BI	1,587	32%/0.55	3/4,208,3	HC-1	550	SMALL CABINET FAN: MIXING BOX, MERV 8 FILTER, HEATING COIL, BELT DRIVE FAN SECTION, DISCHARGE PLENUM. GREENHECK MSCF-30-7

HEATING COIL SCHEDULE

SYMBOL	LOCATION	MBH	SCFM	AIR TEMP IN/OUT (DEG F)	SIZE (INCH)	MAX VEL (FPM)	MAX APD (IN WC)	FLUID	GPM	FLUID TEMP IN/OUT (DEG F)	MAX WPD (FT)	REMARKS, BASIS OF DESIGN
SECTION 23 3400 - FANS												
HC-1	SCF-1	58.1	1,400	55/92	15"W X 31"H	415	0.2	50% PG	6.4	180/160	4.0	HEATING COIL: PROVIDED WITH SCF-1, 2 ROW COIL, 6 FINS PER INCH.

MISCELLANEOUS EQUIPMENT SCHEDULE

SYMBOL	LOCATION	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
SECTION 23 2113 - HYDRONIC PIPING AND SPECIALTIES				
AS-1	BOILER ROOM	-	60 (WET)	CENTRIFUGAL AIR SEPARATOR WITH INTEGRAL STRAINER: 2" FLANGED CONNECTIONS, MAXIMUM OPERATING PRESSURE 150 PSIG. SPIROTHERM SPIROVENT VSR200
SECTION 23 1123 - FUEL GAS AND SPECIALTIES				
T-1	EXTERIOR	-	3,000	PROPANE TANK: 500 GALLON PROPANE TANK. PROVIDED BY LOCAL PROPANE SUPPLIER (ALASKA PROPANE SERVICE). COORDINATE REQUIREMENTS WITH OWNER AND SUPPLIER. TANK SERVES ONLY PROPANE FIRED FIREPLACE. PROVIDE 11 FT X 4 FT CONCRETE PAD. COORDINATE WITH CIVIL.

PLUMBING FIXTURE CONNECTION SCHEDULE

SYMBOL	FIXTURE	WASTE (INCH)	VENT (INCH)	HW (INCH)	CW (INCH)	REMARKS, BASIS OF DESIGN
SECTION 22 4000 - PLUMBING FIXTURES						
P-1	WATER CLOSET	4	2	-	1	WALL MOUNTED, TOP SPUD, ELONGATED BOWL, MANUAL OPERATED FLUSH VALVE.
P-1H	WATER CLOSET	4	2	-	1	WALL MOUNTED, TOP SPUD, ELONGATED BOWL, MANUAL OPERATED FLUSH VALVE, ADA COMPLIANT.
P-2H	URINAL	2	1-1/2	-	3/4	WALL MOUNTED, TOP SPUD, MANUAL OPERATED FLUSH VALVE, ADA COMPLIANT.
P-3H	COUNTER MOUNTED LAVATORY	1-1/2	1-1/2	1/2	1/2	SINK BASIN INTEGRAL TO COUNTERTOP PROVIDED BY OTHERS, SENSOR OPERATED FAUCET, PROVIDE WITH ASSE 1070 THERMOSTATIC MIXING VALVE, ADA COMPLIANT.
P-4H	WALL HUNG LAVATORY	1-1/2	1-1/2	1/2	1/2	WALL MOUNTED, MANUAL OPERATED FAUCET, WITH ASSE 1070 THERMOSTATIC MIXING VALVE, ADA COMPLIANT.
P-5H	SINGLE COMPARTMENT SINK	1-1/2	1-1/2	1/2	1/2	UNDER-COUNTER MOUNTED, SINGLE COMPARTMENT 18 GAUGE 304 STAINLESS STEEL SINK, 5-1/2" BOWL DEPTH, 5-1/4" SWING SPOUT GOOSENECK FAUCET, MANUAL WRIST BLADE HANDLES, 1.5 GPM FLOW OUTLET, ADA COMPLIANT. SINK: ELKAY MODEL ELUHAD281655 FAUCET: CHICAGO FAUCETS MODEL 895
DF-1H	DRINKING FOUNTAIN WITH BOTTLE FILLER	1-1/2	1-1/2	-	1/2	WALL MOUNTED, DUAL HEIGHT, REFRIGERATED, FILTERED WITH INTEGRAL BOTTLE FILLER, ADA COMPLAINT ELKAY MODEL LZWS-LRPBM28K
FD-1	FLOOR DRAIN	2	1-1/2	-	-	CAST IRON BODY WITH ADJUSTABLE POLISHED NICKEL BRONZE TOP.
HB-1	HOSE BIBB	-	-	-	3/4	FREEZE PROOF, AUTOMATIC DRAINING, INTEGRAL VACUUM BREAKER, FLUSH MOUNTED, KEY OPERATED DOOR.
TP-1	TRAP PRIMER	-	-	-	1/2	AUTOMATIC TRAP PRIMER VALVE WITH DISTRIBUTION UNIT.

BOILER SCHEDULE

SYMBOL	LOCATION	MOTOR (HP,V,PH)	INPUT (MBH)	OUTPUT (MBH)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
SECTION 23 5223 - CAST IRON BOILERS AND ACCESSORIES						
BLR-1	BOILER ROOM	1/3,120,1	491 (3.4 GPH)	398	1,450 (WET)	FUEL OIL FIRED BOILER: CAST IRON SECTIONAL WITH ON/OFF BECKETT CF500-W POWER BURNER; 80 PSIG WORKING PRESSURE, 50 PSIG ASME RELIEF VALVE, TEMP AND PRESSURE GAUGES, HIGH LIMIT/LOW LIMIT CONTROL. LOW WATER SAFETY CUTOFF. WEIL MCLAIN 480
BLR-2(E)	BOILER ROOM	1/3,120,1	392 (2.8 GPH)	327	1,050 (WET)	EXISTING FUEL OIL FIRED BOILER TO REMAIN: CAST IRON SECTIONAL WITH ON/OFF BECKETT CF500-W POWER BURNER PEERLESS SC-05

EXPANSION TANK SCHEDULE

SYMBOL	LOCATION	ACCEPTANCE VOL (GAL)	TANK VOL (GAL)	PRE-CHARGE (PSIG)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
SECTION 23 2113 - HYDRONIC PIPING AND SPECIALTIES						
ET-1	BOILER ROOM (SERVES HEATING SYSTEM)	22.6	44.4	18	350 (WET)	HYDRONIC HEATING SYSTEM EXPANSION TANK: ASME STAMPED, STEEL SHELL WITH HEAVY DUTY BUTYL DIAPHRAGM, PARTIAL ACCEPTANCE, 125 PSIG MAXIMUM WORKING PRESSURE, 240 DEG F MAXIMUM OPERATING TEMPERATURE. BASE MOUNTED IN VERTICAL POSITION. AMTROL EXTROL AX-80V
ET-2	FANROOM	2.4	8	12	60 (WET)	SNOWMELT SYSTEM EXPANSION TANK: ASME STAMPED, STEEL SHELL WITH HEAVY DUTY BUTYL DIAPHRAGM, PARTIAL ACCEPTANCE, 125 PSIG MAXIMUM WORKING PRESSURE, 240 DEG F MAXIMUM OPERATING TEMPERATURE. BASE MOUNTED IN VERTICAL POSITION. AMTROL EXTROL AX-15V

PUMP SCHEDULE

SYMBOL	LOCATION	SERVICE	FLUID	TEMP. (DEG F)	GPM	HEAD (FT)	MOTOR (HP,V,PH)	REMARKS, BASIS OF DESIGN
SECTION 23 2114 - HVAC PUMPS								
PMP-1 PMP-1A	BOILER ROOM	HEATING CIRC	50% PG	180	46	45	1-1/2,208,3 (2) VSDs	INLINE CIRCULATOR: CLOSE COUPLED. CAST IRON CONSTRUCTION, 1750 RPM, 7.3" IMPELLOR, 2" FLANGED CONNECTIONS. SILICON CARBON MECHANICAL SEAL. TACO MODEL 1919
PMP-3	FANROOM	HX-1 CIRC	50% PG	160	13.5	14	1/6,120,1	INLINE CIRCULATOR: CAST IRON CONSTRUCTION, 3450 RPM, 1-1/2" FLANGED CONNECTIONS. SILICON CARBON MECHANICAL SEAL. TACO MODEL 2440
PMP-4	FANROOM	SNOWMELT CIRC	50% PG	90	11	34	1/3,120,1	INLINE CIRCULATOR: CAST IRON CONSTRUCTION, 3450 RPM, 1-1/2" FLANGED CONNECTIONS. SILICON CARBON MECHANICAL SEAL. TACO MODEL 2445
PMP-5 PMP-5A	BOILER ROOM	BOILER CIRC	50% PG	180	30	14	1/3,120,1	INLINE CIRCULATOR: CAST IRON CONSTRUCTION, 3450 RPM, 2" FLANGED CONNECTIONS. SILICON CARBON MECHANICAL SEAL. TACO MODEL 2465

SNOW MELT ZONE SCHEDULE

SYMBOL	AREA SERVED	SERVICE	AREA (SF)	MBH	NO. OF CIRCUITS	GPM	HEAD LOSS (FEET)	FLUID TEMP SUP/RTN (DEG F)	FLUID	TUBE DIA (INCH)	TUBE SPACING (INCH)	CIRCUIT LENGTH (FEET)
SECTION 23 8301 - SNOW MELTING EQUIPMENT												
SMZ-1	SIDEWALK	SNOWMELT	1,050	120	9	11.0	14.0	90/65	50% PG	5/8	6	240

NOTES:
1. CIRCUIT LENGTHS INCLUDE 10 FOOT LEADER LENGTHS.
2. INSTALL TUBES EMBEDDED IN 6 INCH THICK CONCRETE SIDEWALK. PROTECT TUBING AS RECOMMENDED BY THE MANUFACTURER AT EXPANSION JOINTS, CONTROL JOINTS AND CONSTRUCTION JOINTS.
3. PROVIDE INSULATION BELOW CONCRETE SLAB. REFER TO ARCHITECTURAL AND CIVIL DRAWINGS.
4. FOR TUBING EMBEDMENT DETAILS SEE 3/M4.4.

TERMINAL HEATING UNIT SCHEDULE

SYMBOL	LOCATION	OUTPUT (MBH)	FLUID	FLOW (GPM)	MAX WPD (FT)	FLUID TEMP IN/OUT (DEG F)	MOTOR (HP,V,PH)	WEIGHT (LBS)	REMARKS, BASIS OF DESIGN
SECTION 23 8200 - TERMINAL HEATING AND COOLING UNITS									
CUH-1	ENTRY VESTIBULE	24.4	50% PG	2.5	2.1	180/160	1/30,120,1	100	RECESSED CEILING MOUNTED CABINET UNIT HEATER: 2-ROW COIL, 2-SPEED FAN (325 CFM, HIGH SPEED), 1 FAN MOTOR, FLAT FILTER, KEYLOCK ACCESS DOORS, TAMPER PROOF FASTENERS, ARRANGEMENT 58. MODINE MODEL CW003
FT-1	SEE PLANS	575 BTU/LF	50% PG	SEE PLANS	-	180/160	-	-	FINNED TUBE BASEBOARD: FLAT TOP ENCLOSURE, 12" CABINET HEIGHT, 3/4" COPPER TUBING, SINGLE TIER OF ALUMIMUM FINS, 2-3/4" X 4-1/4", 34 FINS PER INCH. MODINE CP 07534A ELEMENT MODINE T 012 ENCLOSURE
FT-2	SEE PLANS	575 BTU/LF	50% PG	SEE PLANS	-	180/160	-	-	BARE FINNED TUBE ELEMENT: NO ENCLOSURE 3/4" COPPER TUBING, SINGLE TIER OF ALUMIMUM FINS, 2-3/4" X 4-1/4", 34 FINS PER INCH. COORDINATE WITH ARCHITECHURAL ENCLOSURE. MODINE CP ELEMENT

HEAT EXCHANGER SCHEDULE

SYMBOL	LOCATION	HOT SIDE FLUID	GPM	TEMP. IN (F)	TEMP. OUT (F)	MAX WPD (FT)	COLD SIDE FLUID	GPM	TEMP. IN (F)	TEMP. OUT (F)	MAX WPD (FT)	MIN. OUTPUT (MBH)	WT. (LBS)	REMARKS, BASIS OF DESIGN
SECTION 23 2113 - HYDRONIC PIPING AND SPECIALTIES														
HX-1	FANROOM	50% PG	13.5	160	140	2.5	50% PG	11	65	90	2.0	120	15	BRAZED PLATE: SERVES SIDEWALK SNOWMELT. B&G BP412-30

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SCHEDULES
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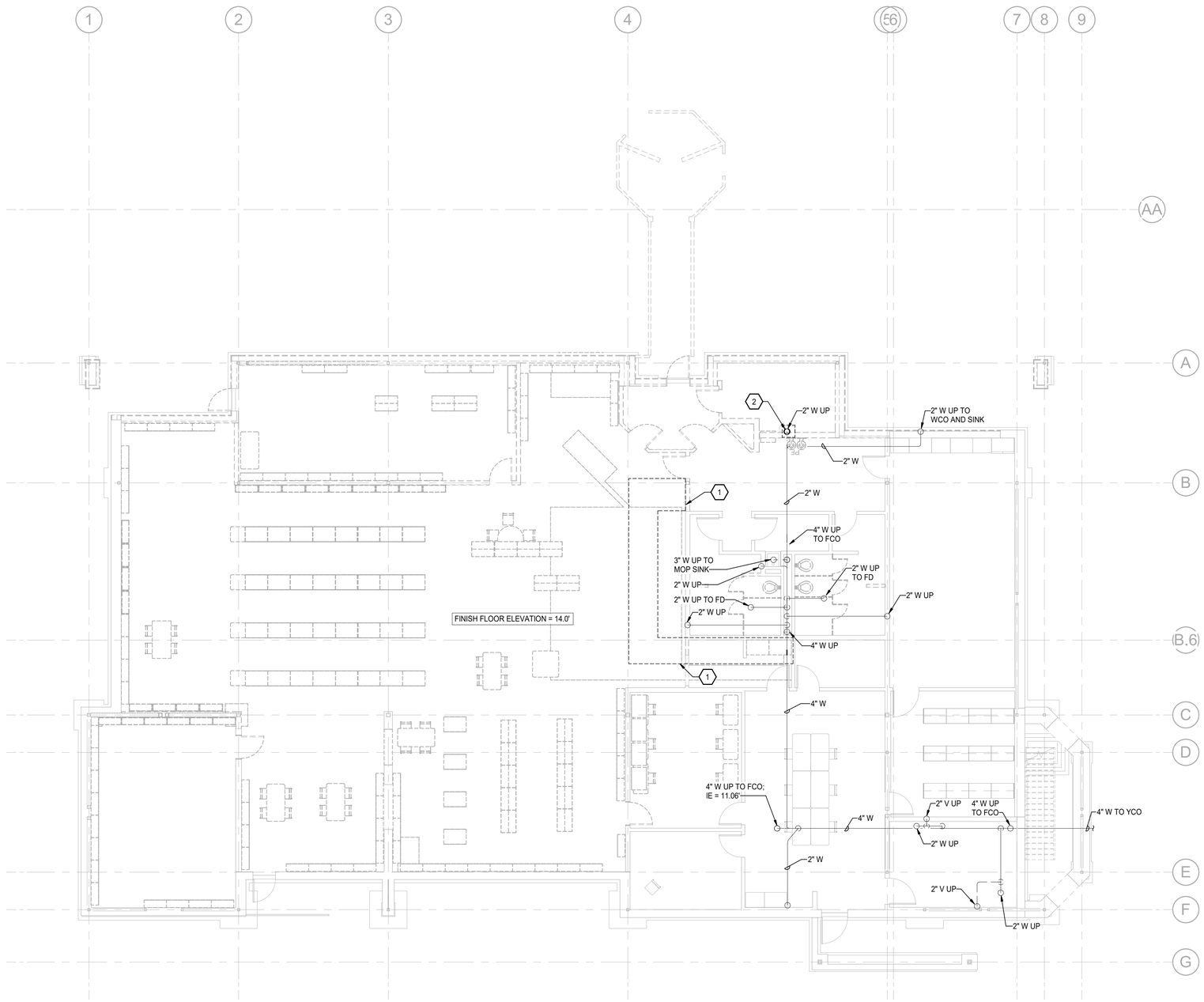
M0.2
FULL SIZE PRINTED ON 22 x 34

GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS.
2. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.

SHEET NOTES (#)

1. AREA OF EXPECTED SLAB REMOVAL AND EXCAVATION.
2. DEMOLISH SLAB TO SUPPORT NEW FLOOR CLEANOUT.



1 M1.1 **DEMOLITION PLAN - UNDERFLOOR - MECHANICAL**
Scale: 1/8" = 1'-0"

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DEMOLITION PLAN - UNDERFLOOR

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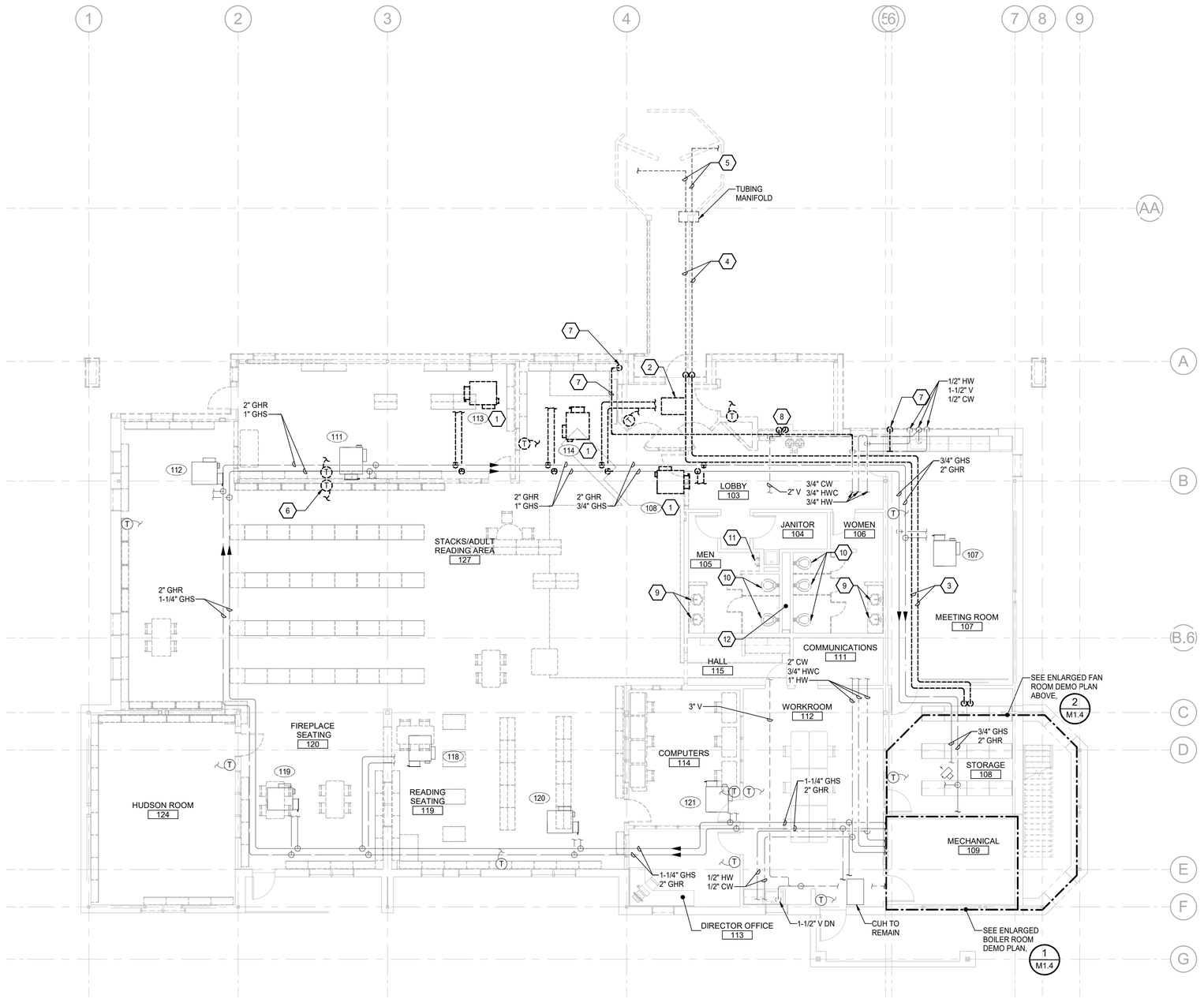
GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS.
2. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.

SHEET NOTES (#)

1. DEMOLISH PIPING TO TERMINAL UNIT COIL, CONTROLS AND SUPPORTS.
2. DEMOLISH CABINET UNIT HEATER, PIPING, CONTROLS AND SUPPORTS.
3. DEMOLISH SNOWMELT SYSTEM 3/4" GHS/GHR PIPING AND SUPPORTS.
4. DEMOLISH SNOWMELT 3/4" GHS/GHR PIPING AND TUBING MANIFOLD UNDER ENTRY GRATING.
5. DEMOLISH SNOWMELT SYSTEM TUBING IN SIDEWALKS.
6. REMOVE AND RETAIN THERMOSTAT. SEE NEW WORK PLANS FOR REVISED LOCATION.
7. DEMOLISH HOSE BIBB AND ASSOCIATED CW BRANCH PIPING BACK TO MAIN AND CAP.
8. DEMOLISH DRINKING FOUNTAIN AND ASSOCIATED CW, AND V PIPING BACK TO MAINS AND CAP.
9. DEMOLISH LAVATORY AND ASSOCIATED CW, HW, AND W CONNECTIONS. COORDINATE WITH NEW WORK.
10. DEMOLISH WATER CLOSET AND ASSOCIATED CW, W AND V CONNECTIONS. DEMOLISH WALL CARRIER. COORDINATE WITH NEW WORK AND ARCHITECTURAL FOR WALL DEMOLITION.
11. DEMOLISH URINAL AND ASSOCIATED CW, W AND V CONNECTIONS. COORDINATE WITH NEW WORK.
12. DEMOLISH TRAP PRIMER IN PLUMBING WALL. COORDINATE WITH NEW WORK.



1 / M1.2 DEMOLITION PLAN - HEATING AND PLUMBING
Scale: 1/8" = 1'-0"

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DEMOLITION PLAN - HEATING AND PLUMBING

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M1.2

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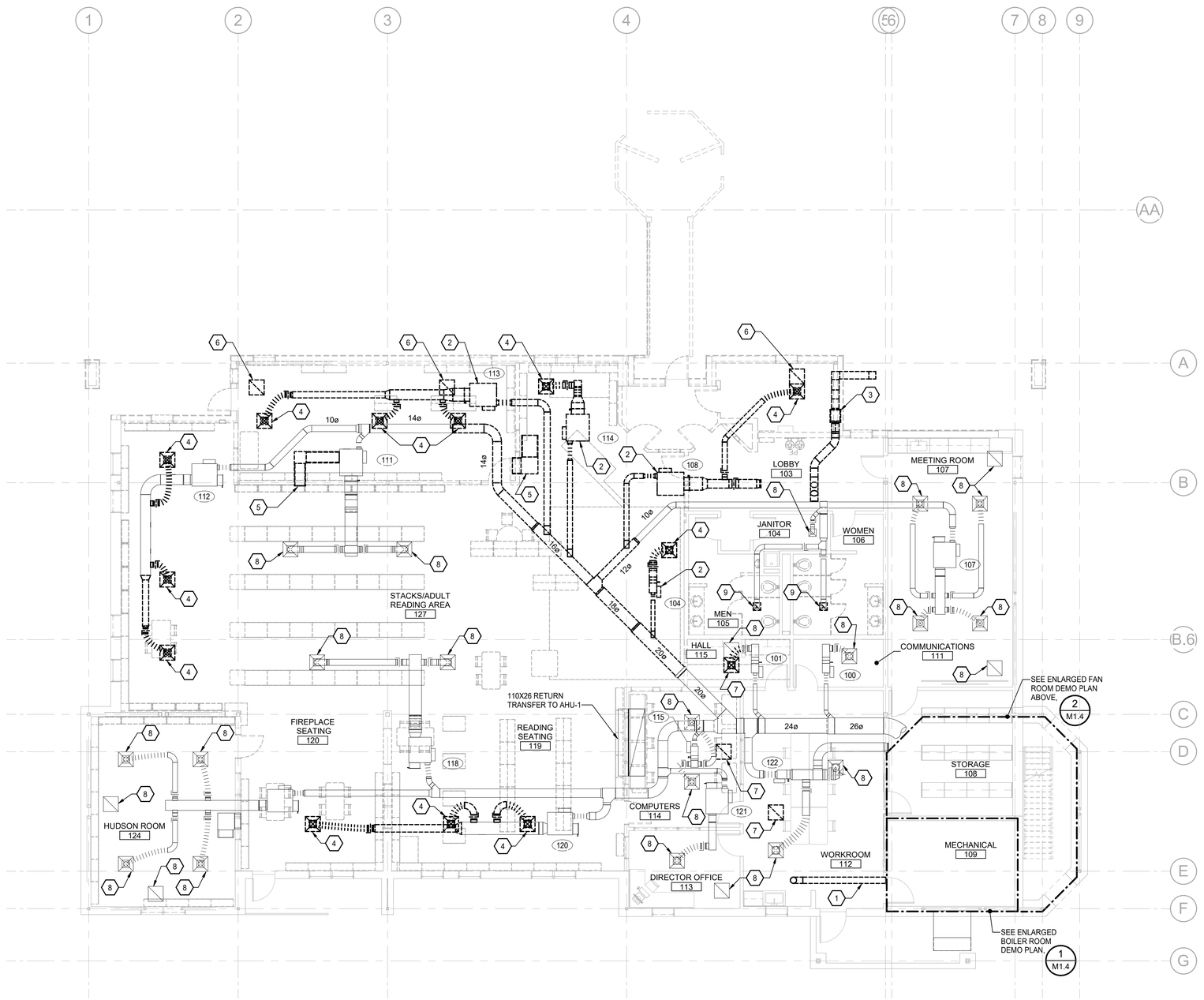
GENERAL NOTES

1. FIELD VERIFY EXISTING CONDITIONS.
2. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.

SHEET NOTES (#)

1. DEMOLISH BOILER VENTING AND SUPPORTS.
2. DEMOLISH AIR TERMINAL UNIT AND ASSOCIATED DUCTWORK.
3. DEMOLISH EXHAUST FAN AND DUCTWORK AS INDICATED.
4. DEMOLISH SUPPLY DIFFUSER AND ASSOCIATED DUCTWORK AS INDICATED.
5. DEMOLISH RETURN AIR ELBOW AND ASSOCIATED DUCTWORK AS INDICATED.
6. DEMOLISH RETURN GRILLE AS INDICATED.
7. NOT USED.
8. EXISTING GRILLE/DIFFUSER TO REMAIN. CLEAN ALL SURFACES.
9. DEMOLISH EXHAUST GRILLE AS INDICATED.



1 / M1.3 DEMOLITION PLAN - VENTILATION
Scale: 1/8" = 1'-0"

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DEMOLITION PLAN - VENTILATION

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M1.3

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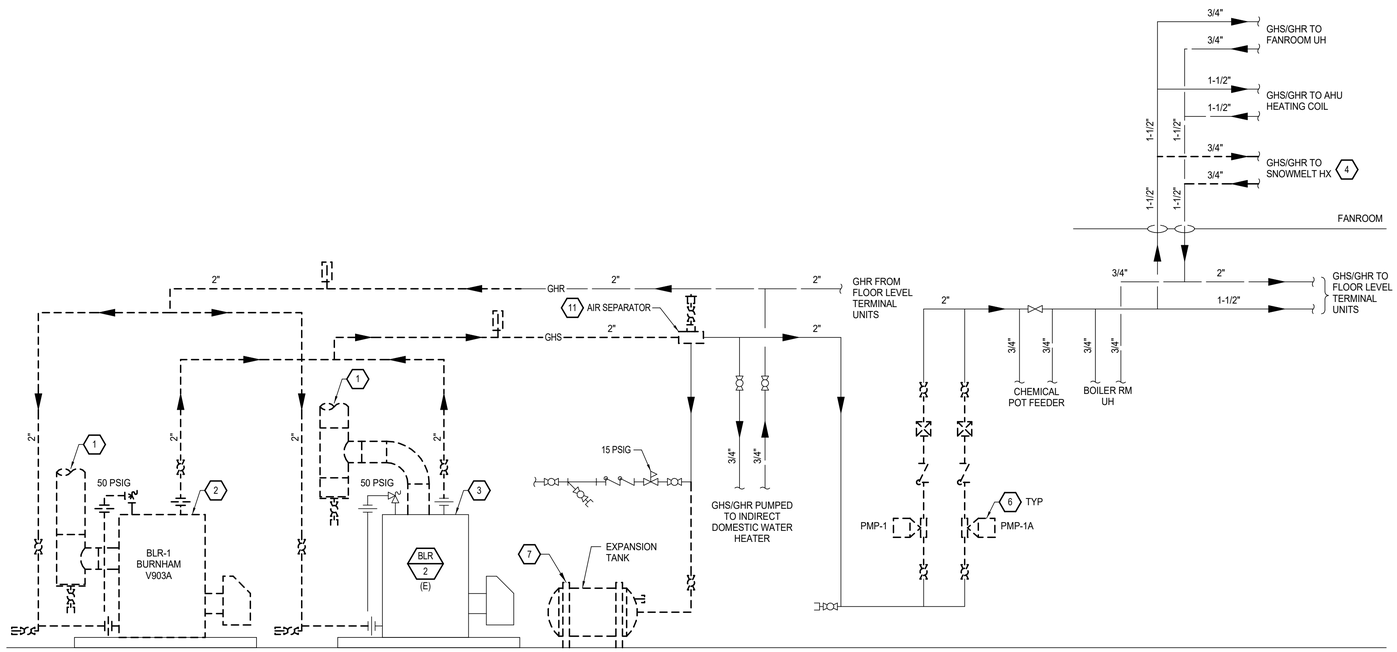
GENERAL NOTES

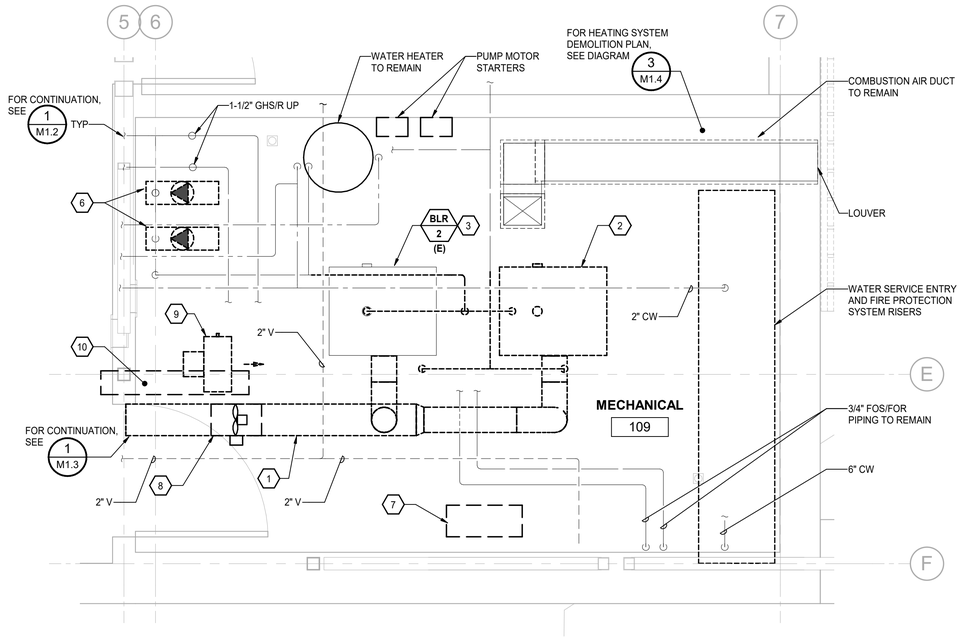
1. FIELD VERIFY EXISTING CONDITIONS.
2. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.

SHEET NOTES (#)

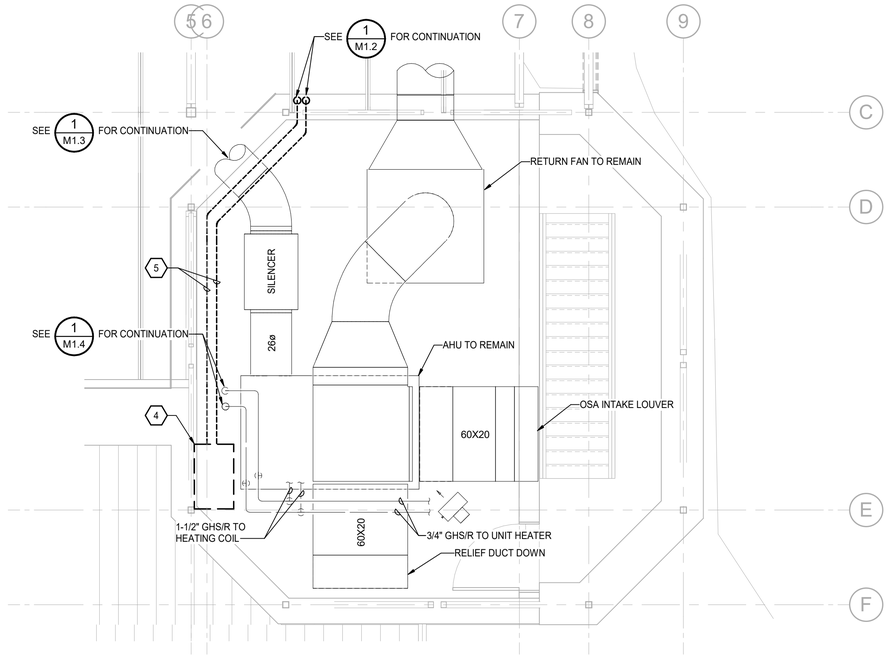
1. DEMOLISH BOILER VENTING TO BOTH BOILERS.
2. DEMOLISH BOILER.
3. BOILER TO REMAIN.
4. DEMOLISH SNOWMELT SYSTEM, INCLUDING PUMP, HEAT EXCHANGER, PIPING, CONTROLS AND SUPPORTS.
5. DEMOLISH SNOWMELT 3/4" GHS/GHR PIPING AND SUPPORTS.
6. DEMOLISH PUMPS AND MOTOR STARTERS.
7. DEMOLISH EXPANSION TANK.
8. DEMOLISH DRAFT INDUCER FAN IN COMBINED BOILER VENT.
9. REMOVE AND RETAIN UNIT HEATER. SEE NEW WORK PLAN FOR REVISED LOCATION.
10. MODIFY FIRE SUPPRESSION PIPING TO ACCOMMODATE NEW BOILER VENT.
11. DEMOLISH AIR SEPARATOR.



3 DIAGRAM - HEATING SYSTEM DEMOLITION
M1.4 Scale: NONE



1 DEMOLITION PLAN - ENLARGED BOILER ROOM
M1.4 Scale: 1/2" = 1'-0"



2 DEMOLITION PLAN - ENLARGED FAN ROOM
M1.4 Scale: 1/4" = 1'-0"

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DEMOLITION PLAN - ENLARGED BOILER & FAN ROOM
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M1.4

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DEMOLITION GENERAL NOTES

1. INFORMATION SHOWN IS BASED UPON FIRE SUPPRESSION DRAWING CONTAINED IN THE SELECTED ORIGINAL CONSTRUCTION DRAWINGS FOUND IN THE APPENDICES.
2. FIELD VERIFY EXISTING CONDITIONS.
3. FOR MORE INFORMATION, SEE SELECTED ORIGINAL CONSTRUCTION DRAWINGS FOUND IN THE APPENDICES.
4. COORDINATE LIMITS OF DEMOLITION WITH NEW WORK.

DEMOLITION SHEET NOTES (#)

1. DEMOLISH PRE-ACTION SYSTEM TO ACCOMODATE NEW BUILDING ARRANGEMENT. COORDINATE WITH NEW WORK.
2. DEMOLISH DRY SYSTEM TO ACCOMODATE NEW BUILDING ARRANGEMENT. COORDINATE WITH NEW WORK.

GENERAL NOTES

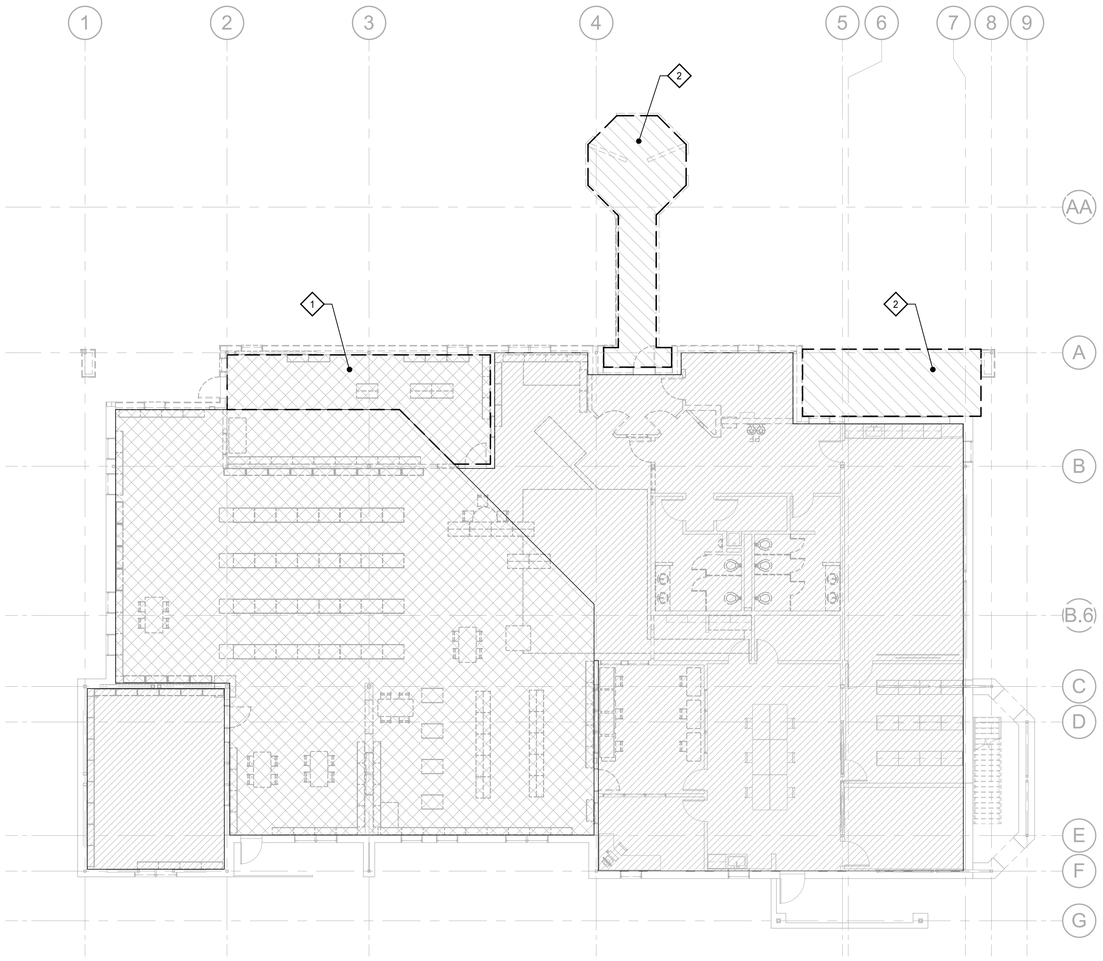
1. ADD, REMOVE OR RELOCATE SPRINKLERS TO ACCOMMODATE THE NEW FLOOR PLAN AND REFLECTED CEILING PLAN AND TO PROVIDE FULL FIRE SUPPRESSION SYSTEM COVERAGE THROUGHOUT THE FACILITY. COORDINATE WITH ARCHITECTURAL FLOORPLANS AND REFLECTED CEILING PLANS.

SHEET NOTES (#)

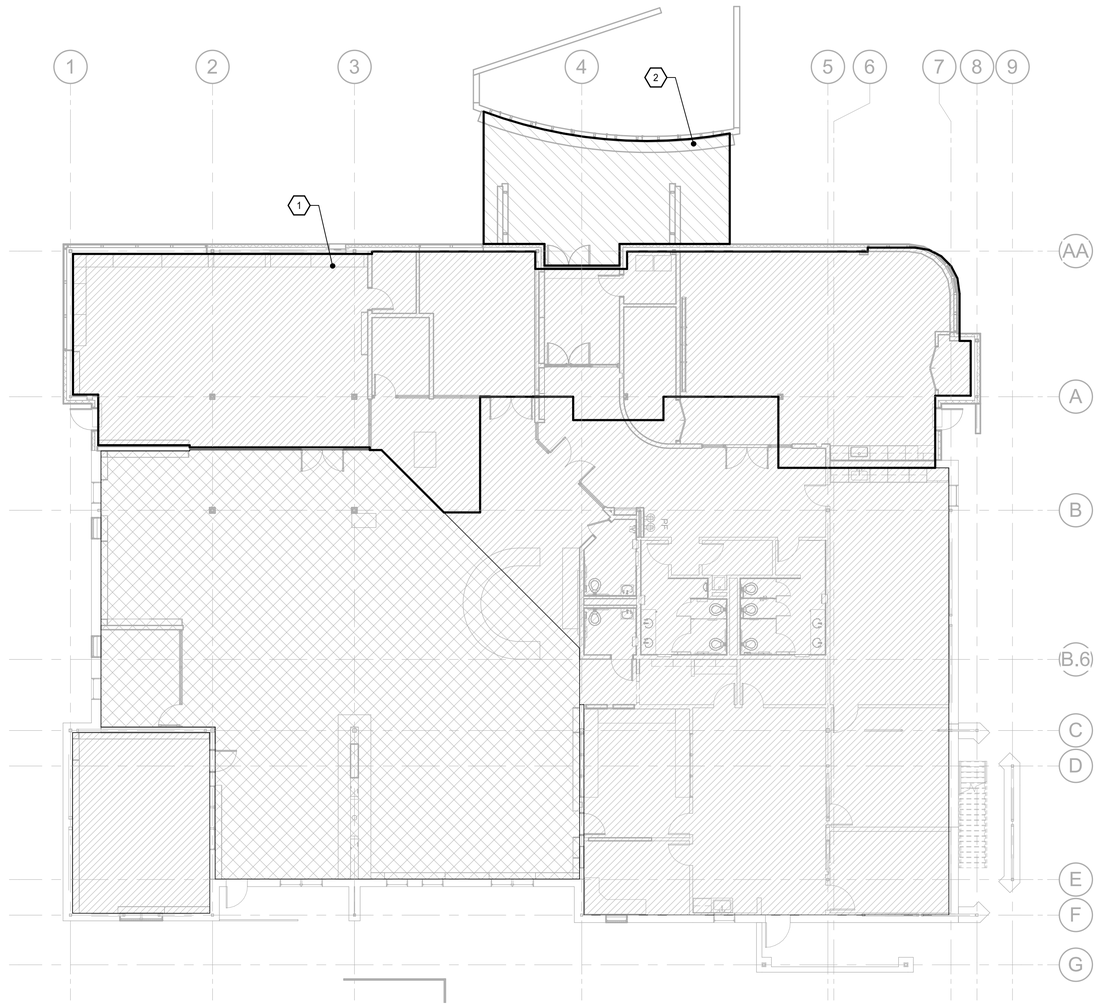
1. PROVIDE WET SYSTEM PROTECTION TO NEW ADDITIONS OF THE BUILDING.
2. PROVIDE DRY SYSTEM PROTECTION FOR THE COVERED WALKWAY.

FIRE SPRINKLER LEGEND

- EXISTING AREA
- APPROXIMATE DEMOLITION AREA
- NEW AREA
- PRE-ACTION SYSTEM
- WET SYSTEM
- DRY SYSTEM



1 M1.5 **DEMOLITION PLAN - FIRE SUPPRESSION SYSTEM**
Scale: 3/32" = 1'-0"



2 M1.5 **FLOOR PLAN - FIRE SUPPRESSION SYSTEM**
Scale: 3/32" = 1'-0"

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FIRE SUPPRESSION SYSTEM AREA PLANS

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M1.5

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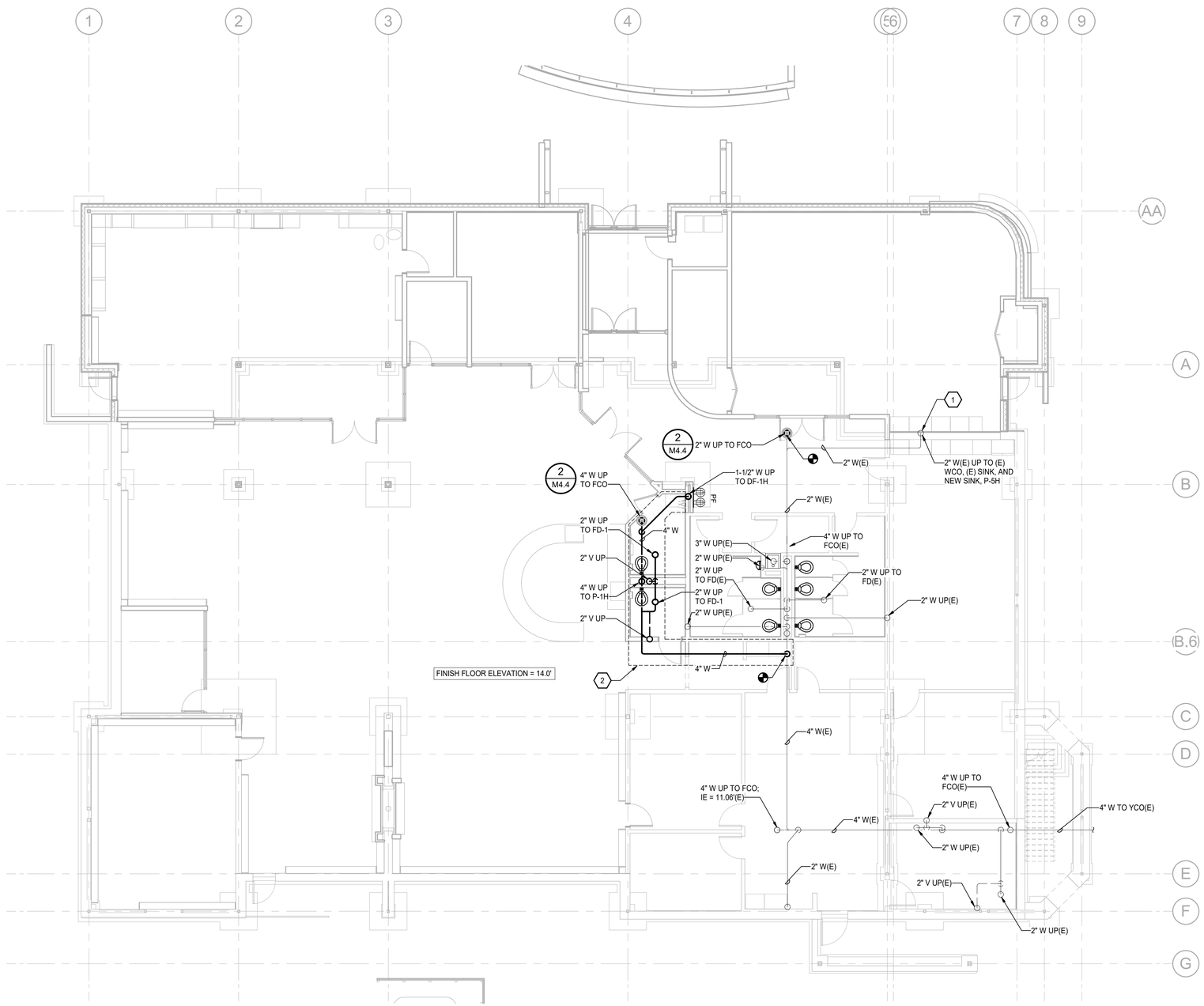
SHEET NOTES (#)

1. MODIFY W PIPING FOR CONNECTION TO NEW SINK, P-5H.
2. AREA OF EXPECTED SLAB WORK. REPLACE SLAB TO MATCH EXISTING CONSTRUCTION. COORDINATE WITH ARCHITECTURAL.



1 M2.1 **UNDERFLOOR PLAN - MECHANICAL**
Scale: 1/8" = 1'-0"

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UNDERFLOOR PLAN

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M2.1

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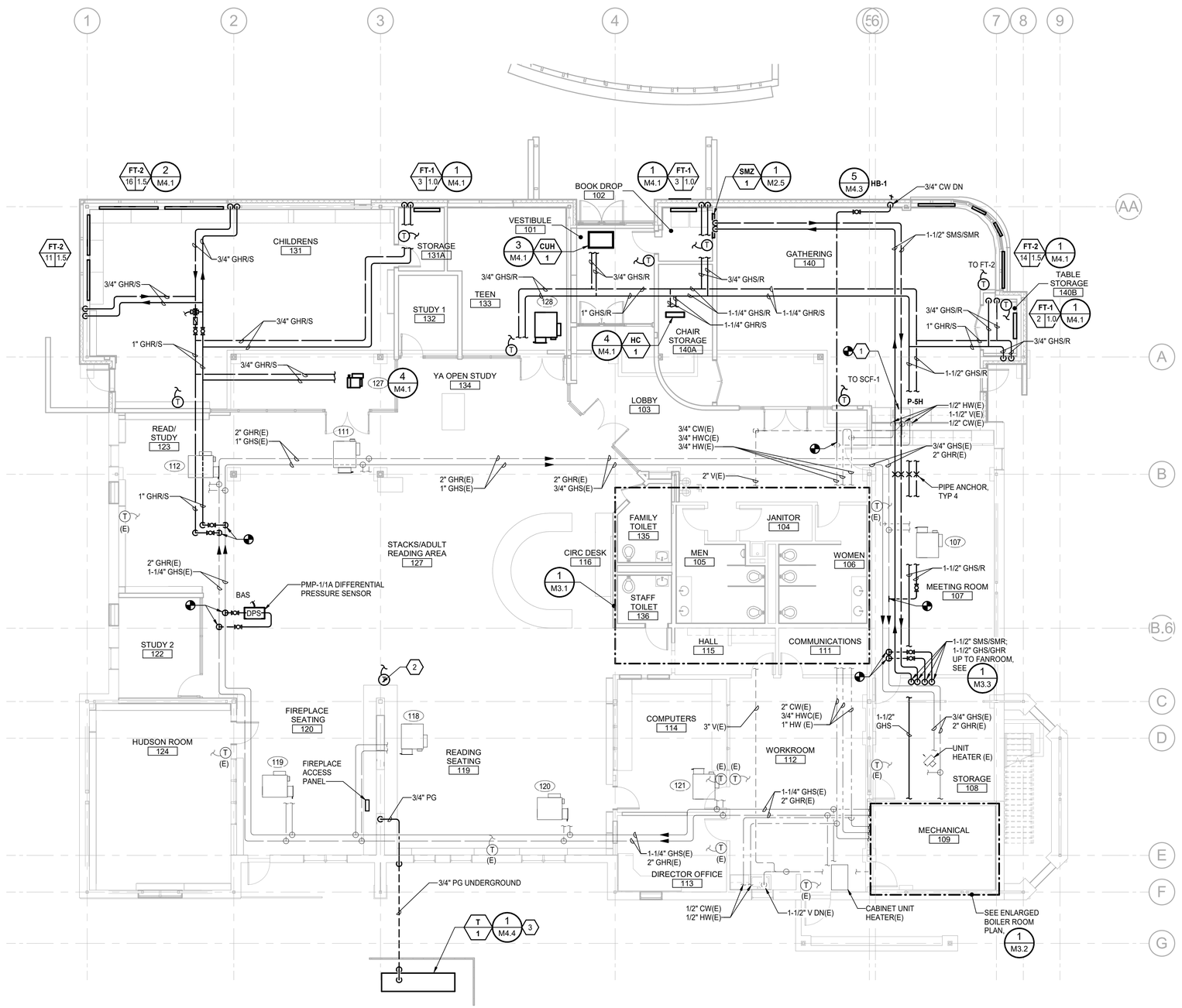
GENERAL NOTES

1. FOR PIPE PENETRATION DETAIL, SEE 4/M4.2.
2. FOR PIPE HANGER AND PIPE ANCHOR DETAILS, SEE 1/M4.3 AND 2/M4.3, RESPECTIVELY.

SHEET NOTES (#)

1. MODIFY CW, HW, W AND V PIPING IN WALL FOR CONNECTION TO NEW SINK, P-5H.
2. RELOCATE RETAINED THERMOSTAT TO ACCOMMODATE FLOOR PLAN CHANGES.
3. LOCATE PROPANE TANK, T-1, AT LEAST 10 FT AWAY FROM BUILDING. COORDINATE WITH CIVIL.



1 M2.2 **FLOOR PLAN - HEATING AND PLUMBING**
Scale: 1/8" = 1'-0"

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FLOOR PLAN - HEATING AND PLUMBING

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M2.2

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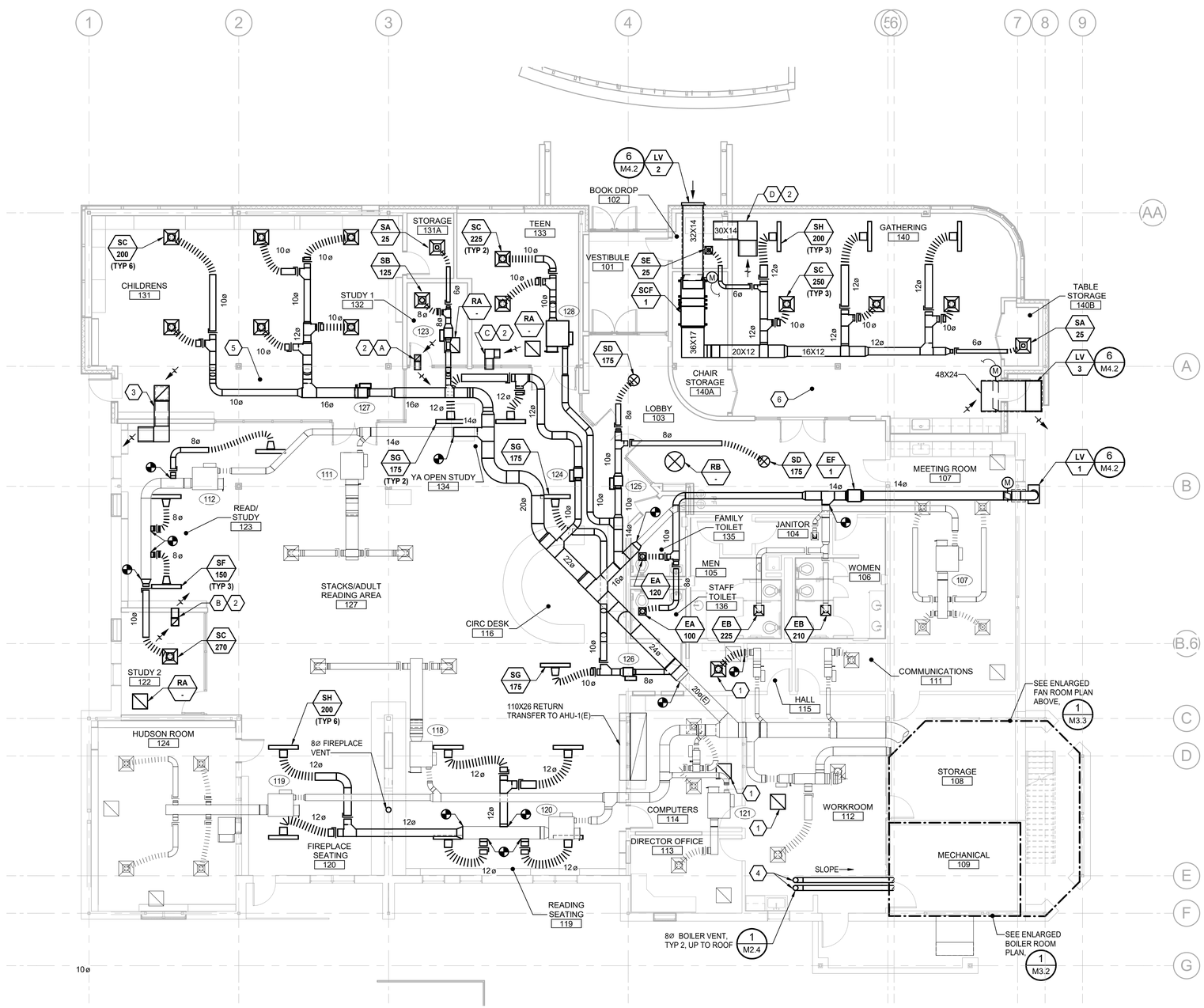
GENERAL NOTES

1. FOR FLEXIBLE DUCT CONNECTION DETAIL, SEE 5/M4.1.
2. FOR DUCT FITTINGS DETAIL, SEE 3/M4.2.
3. FOR DUCT PENETRATION DETAIL, SEE 4/M4.2.
4. FOR VAV BOX DETAIL, SEE 5/M4.2.
5. EXPOSED DUCTS AND DIFFUSERS ARE TO PREPPED AND PAINTED. COORDINATE WITH ARCHITECTURAL.

SHEET NOTES (#)

1. NOT USED.
2. SOUND LINED R/A TRANSFER ELBOW THROUGH WALL. SEE DETAIL 1/M4.2.
3. SOUND LINED R/A TRANSFER ELBOW THROUGH WALL. SEE DETAIL 2/M4.2.
4. PROVIDE 90 DEGREE BOOT TEE ELBOW WITH DRAIN CAP.
5. RETURN AIR PATH THRU WOOD CEILING TO BE DETERMINED BY ARCHITECTURAL. MINIMUM FREE AREA IS TO BE 4 SF. COORDINATE WITH LIGHTING LAYOUT.
6. RETURN AIR PATH THRU WOOD CEILING TO BE DETERMINED BY ARCHITECTURAL. MINIMUM FREE AREA IS TO BE 4.5 SF. COORDINATE WITH LIGHTING LAYOUT.



1 M2.3 FLOOR PLAN - VENTILATION
Scale: 1/8" = 1'-0"

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FLOOR PLAN - VENTILATION

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M2.3

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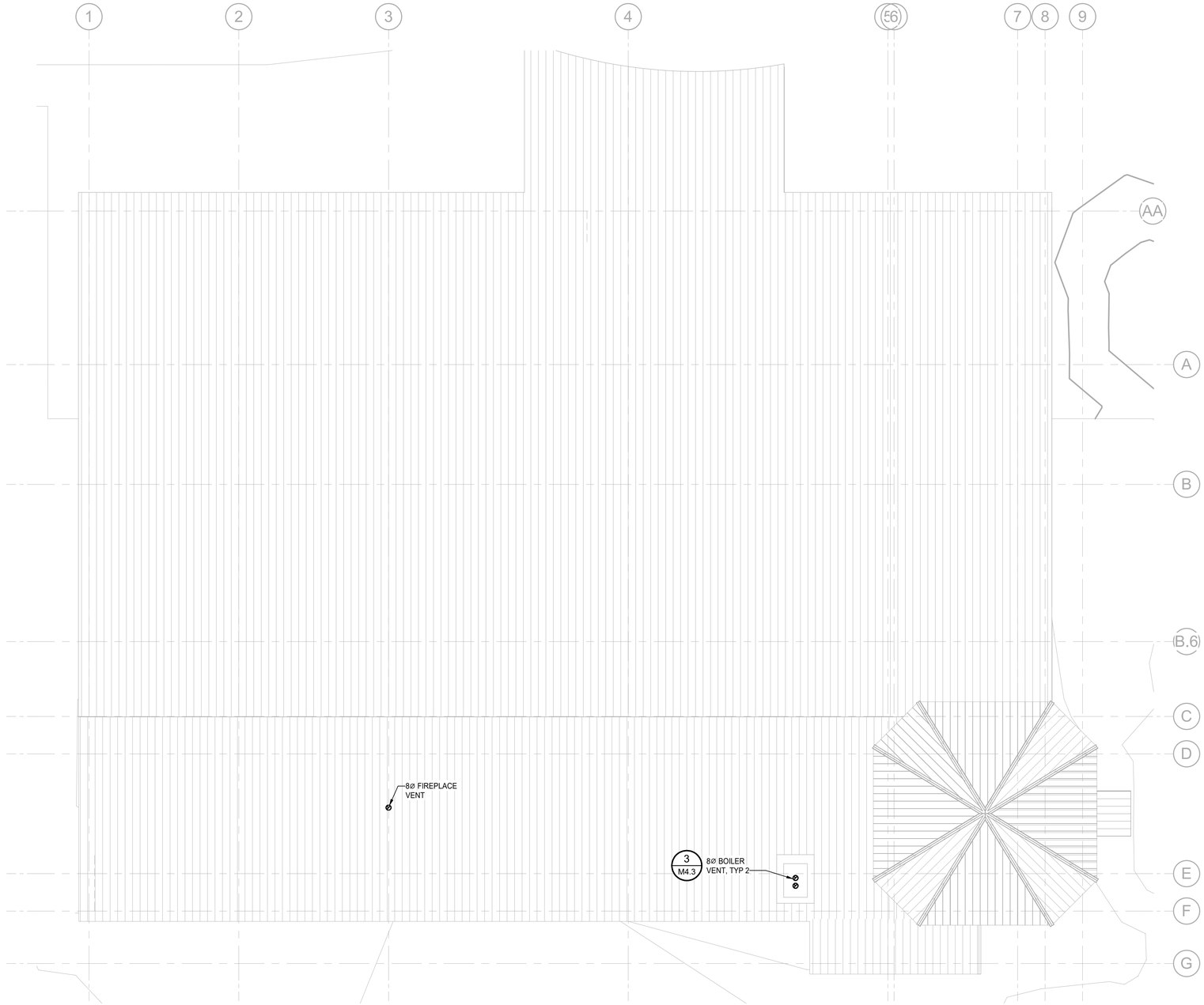

1 M2.4 **ROOF PLAN - MECHANICAL**
Scale: 1/8" = 1'-0"

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ROOF PLAN - MECHANICAL

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M2.4

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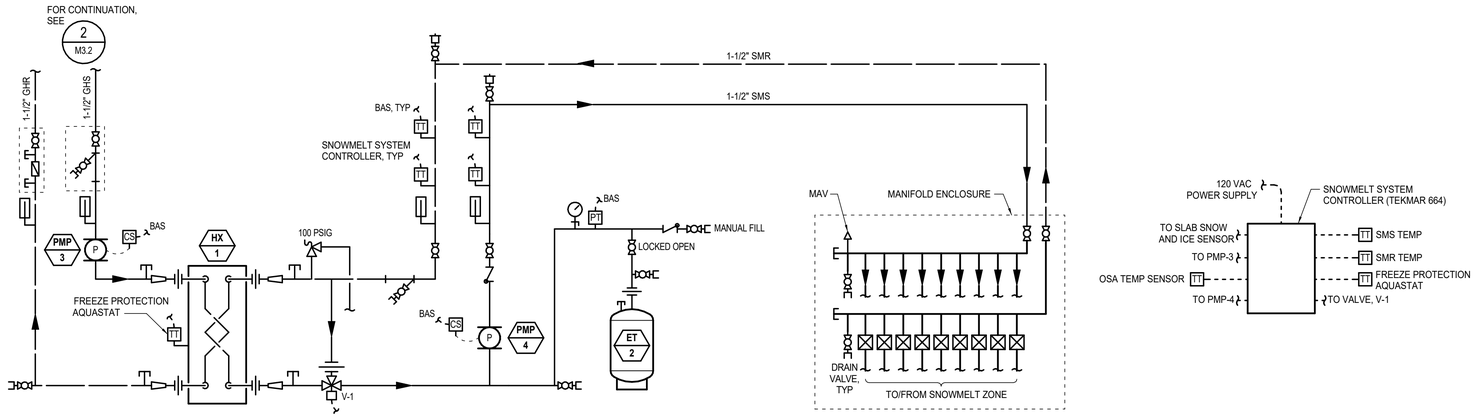
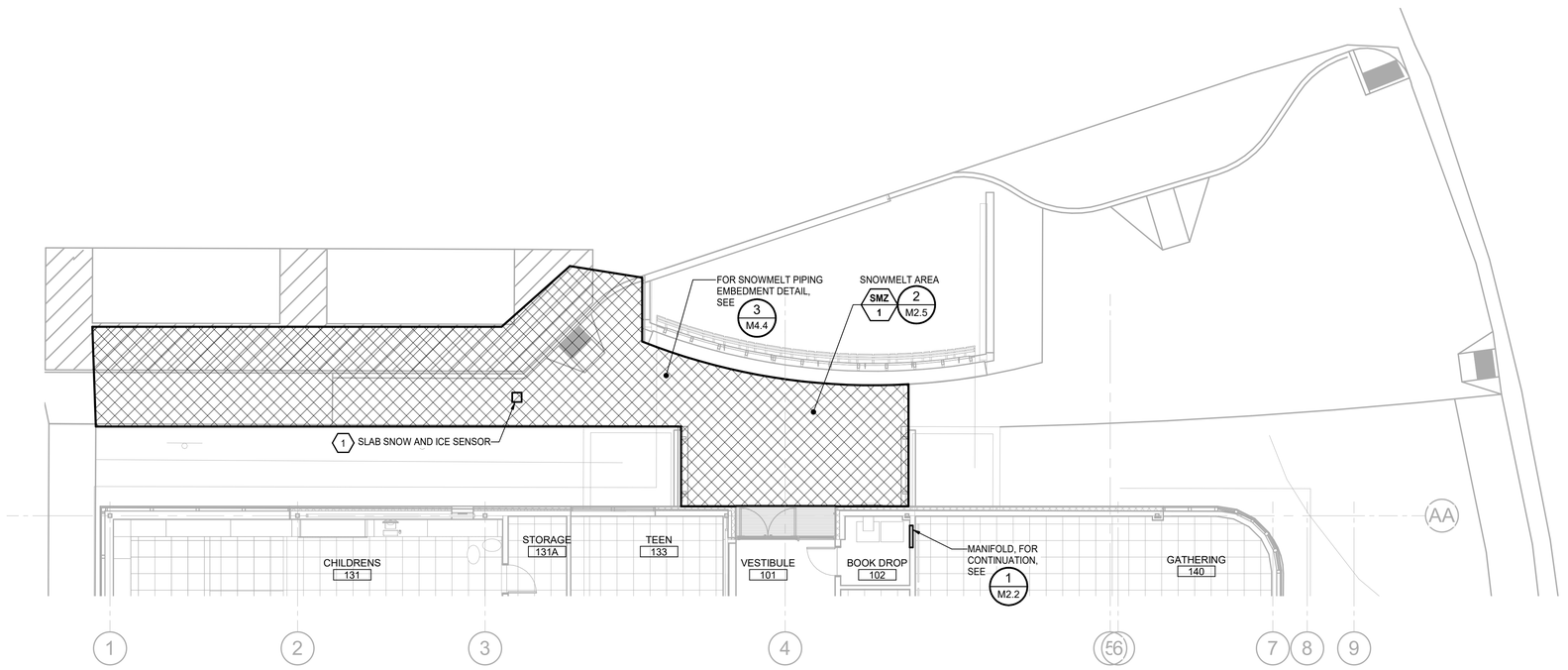
SHEET NOTES (#)

1. INSTALL SLAB SNOW AND ICE SENSOR CONDUIT AND WIRING SO THAT SENSOR CAN BE EASILY REPLACED.



2 / M2.5 DIAGRAM - SNOWMELT SYSTEM
Scale: 12" = 1'-0"



1 / M2.5 SITE PLAN - SNOWMELT AREA
Scale: 1/8" = 1'-0"

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SITE PLAN AND DIAGRAM - SNOWMELT

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M2.5

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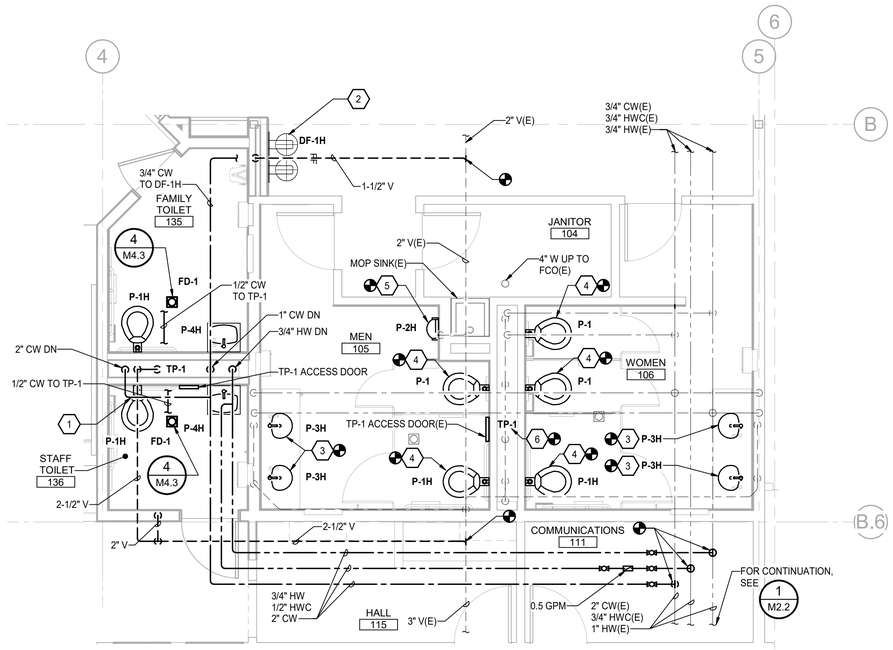
GENERAL NOTES

1. FOR TRAP PRIMER DETAIL, SEE 6/M4.3.

SHEET NOTES (#)

1. PROVIDE SIZE B WATER HAMMER ARRESTOR ON 2" CW LINE SERVING P-1H.
2. PROVIDE ISOLATION SHUTOFF VALVE AT DF-1H FIXTURE AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
3. NEW PLUMBING FIXTURE TO BE INSTALLED IN SAME LOCATION AS EXISTING FIXTURE. MODIFY CW, HW, W, AND V PIPING FOR CONNECTION TO NEW LAVATORY. PROVIDE THERMOSTATIC MIXING VALVE UNDERNEATH COUNTER. SEE ARCHITECTURAL TO COORDINATE WITH AUTOMATIC SOAP DISPENSER.
4. NEW PLUMBING FIXTURE TO BE INSTALLED IN SAME LOCATION AS EXISTING FIXTURE. PROVIDE NEW HEAVY DUTY WALL CARRIER. MODIFY CW, W, AND V PIPING FOR CONNECTION TO NEW WATER CLOSET.
5. NEW PLUMBING FIXTURE TO BE INSTALLED IN SAME LOCATION AS EXISTING FIXTURE. MODIFY CW, W, AND V PIPING FOR CONNECTION TO NEW URINAL.
6. PROVIDE NEW TRAP PRIMER, TP-1, IN SAME LOCATION AS EXISTING FIXTURE. MODIFY CW PIPING CONNECTION TO NEW TRAP PRIMER.



1 / M3.1 FLOOR PLAN - ENLARGED - PLUMBING
Scale: 1/4" = 1'-0"

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ENLARGED PLUMBING PLAN

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M3.1

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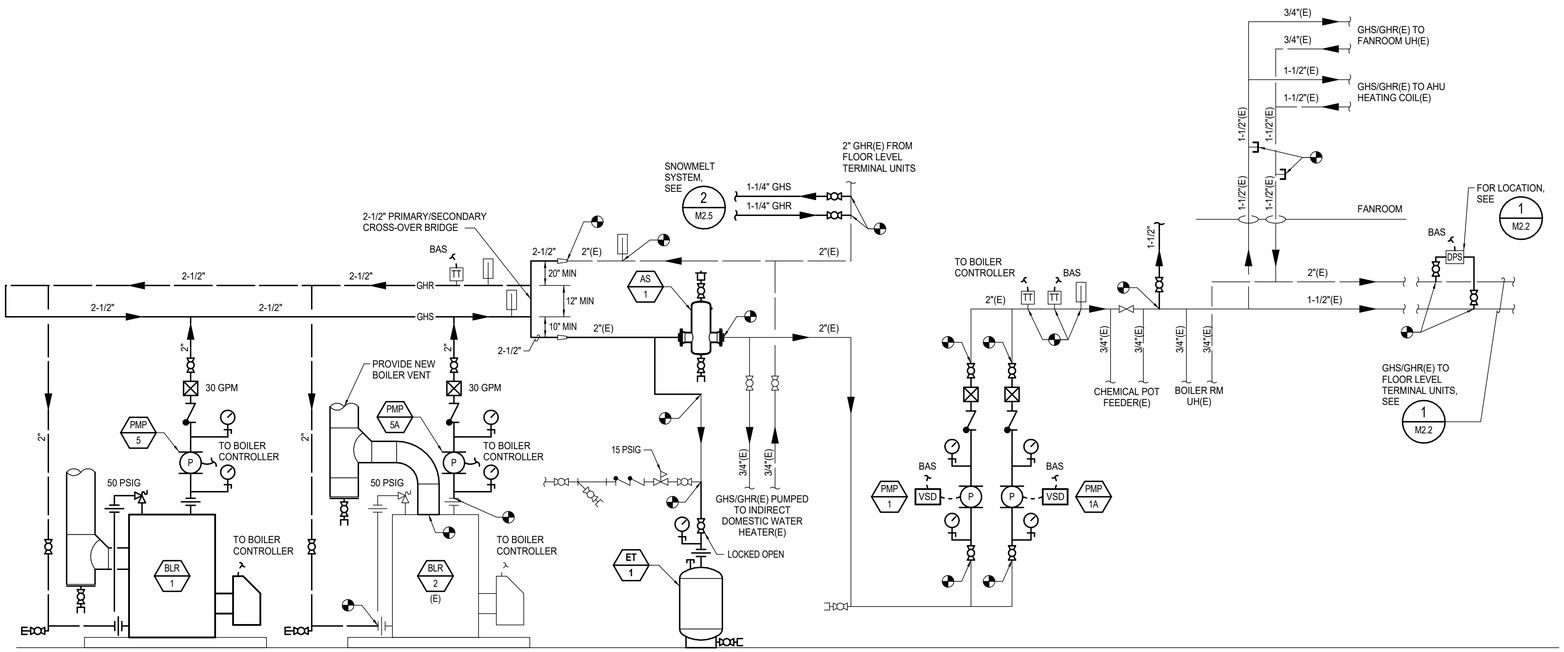
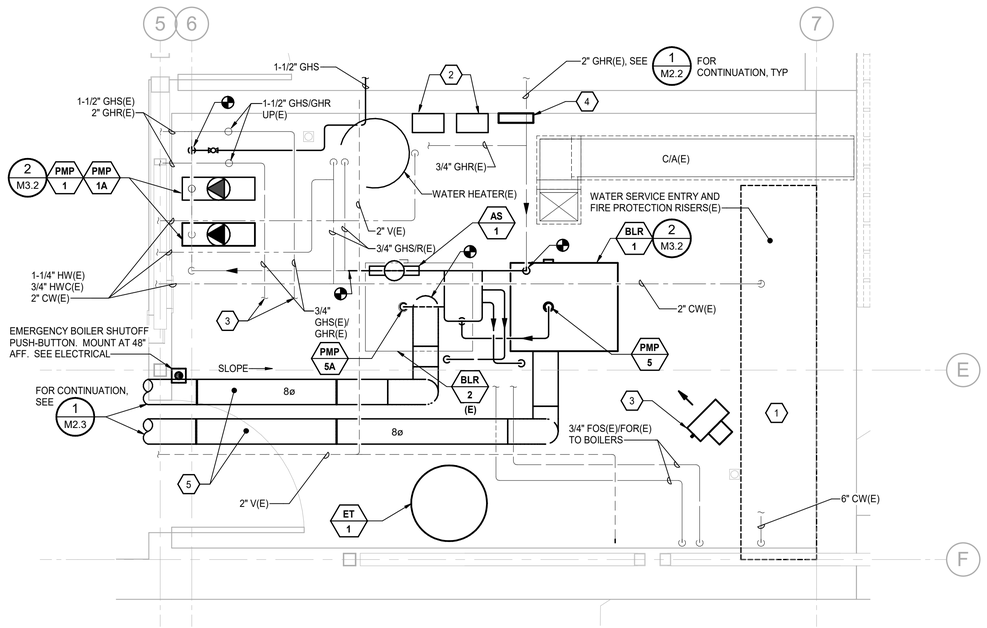
SHEET NOTES (#)

1. MODIFY AND EXTEND THE EXISTING FIRE PROTECTION SYSTEM TO PROVIDE FULL COVERAGE FOR THE FACILITY.
2. PUMPS PMP-1/1A VSDS.
3. RELOCATED UNIT HEATER. EXTEND GHS/R PIPING FOR CONNECTION IN NEW LOCATION.
4. BOILER CONTROLLER.
5. PROVIDE ADJUSTABLE LENGTH BOILER VENT SECTION CAPABLE OF ADJUSTING 17" IN LENGTH; SCHEBLER MODEL 45AL.



2 M3.2 DIAGRAM - HEATING SYSTEM
Scale: NONE



1 M3.2 FLOOR PLAN - ENLARGED BOILER ROOM
Scale: 1/2" = 1'-0"

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ENLARGED BOILER ROOM PLAN

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M3.2

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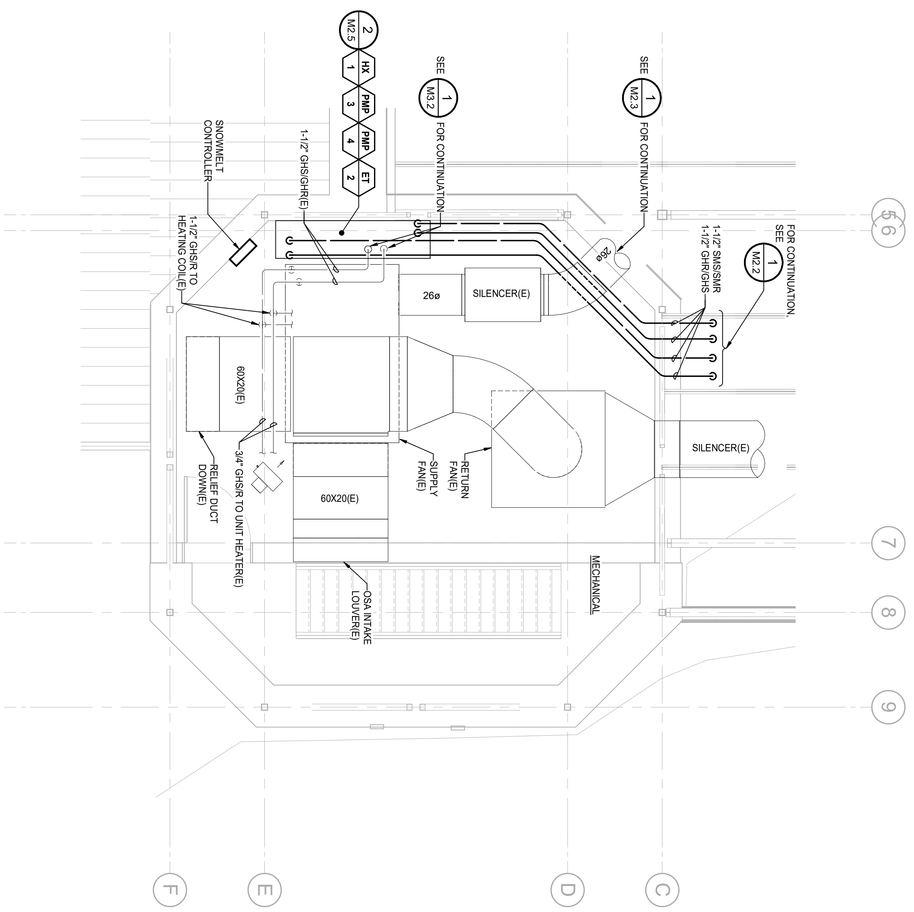

1 M3.3 Scale: 1/4" = 1'-0"

FLOOR PLAN - ENLARGED FAN ROOM

ENLARGED FAN ROOM PLAN

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M3.3

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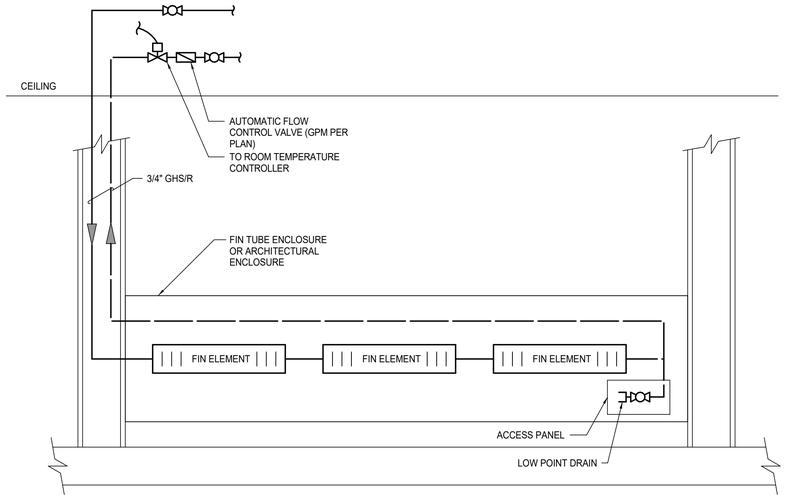
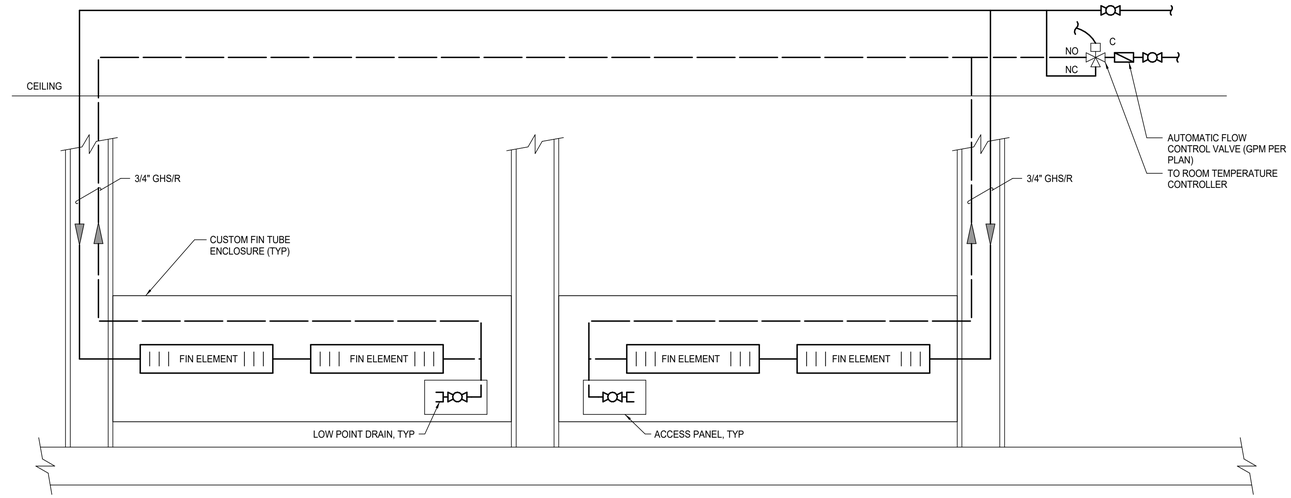


DETAIL NOTES:

1. BASEBOARD ENCLOSURE MUST BE REMOVED TO SERVICE FIN ELEMENT AND VALVES.
2. DIAGRAM SIMILAR FOR SINGLE FINTUBE ELEMENT.

1 M4.1 DIAGRAM - SINGLE TIER FINTUBE

SCALE: NONE

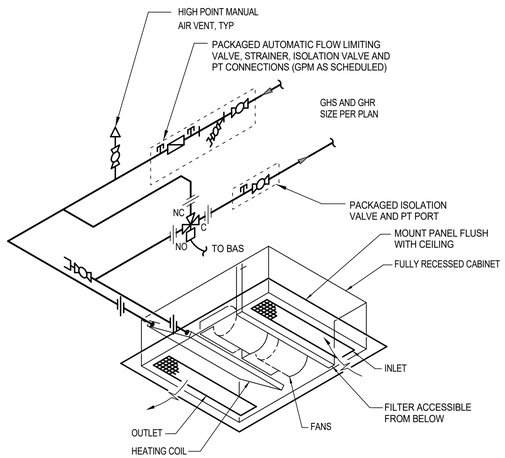


DETAIL NOTES:

1. BASEBOARD ENCLOSURE MUST BE REMOVED TO SERVICE FIN ELEMENT AND VALVES.
2. COORDINATE FIN ELEMENT LENGTHS WITH WHAT IS SHOWN ON FLOOR PLANS.

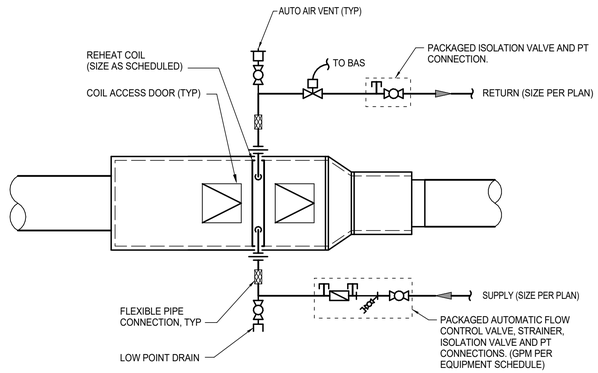
2 M4.1 DIAGRAM - SINGLE TIER FINTUBE (CHILDREN'S ROOM)

SCALE: NONE



3 M4.1 DETAIL - RECESSED CEILING MOUNTED CUH

SCALE: NONE

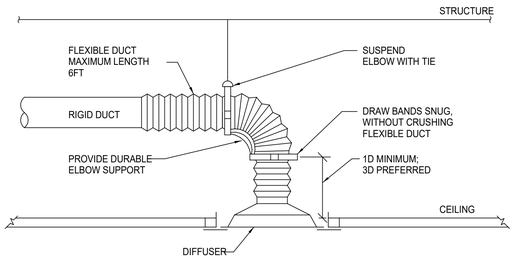


DETAIL NOTES:

1. SUPPLY AND RETURN HYDRONIC PIPING SHOWN OFFSET FOR CLARITY.
2. HEATING COIL, HC-1, PIPING SIMILAR.

4 M4.1 DETAIL - COIL PIPING (TWO-WAY)

SCALE: NONE



DETAIL NOTES:

1. WHEN LENGTH OF STRAIGHT DUCT UPSTREAM OF DIFFUSER IS LESS THAN 3D, PROVIDE AN EQUALIZING GRID.

5 M4.1 DETAIL - FLEXIBLE DUCT CONNECTION

SCALE: NONE

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DIAGRAMS AND DETAILS

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M4.1

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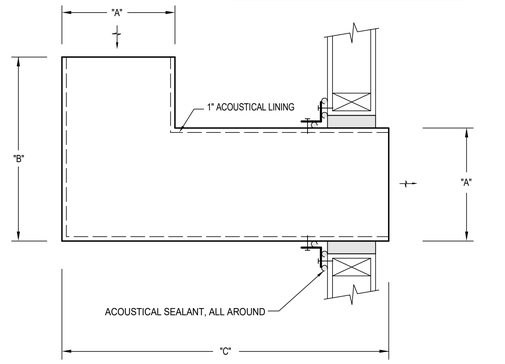
	DIMENSIONS (IN)			
ELBOW TAG	A	B	C	DEPTH
ELBOW SIZE A	10	16	24	10
ELBOW SIZE B	12	20	28	12
ELBOW SIZE C	14	24	32	14
ELBOW SIZE D	30	56	70	14

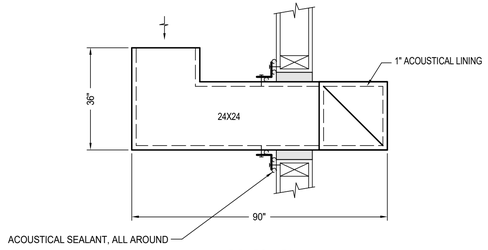


DETAIL NOTES:

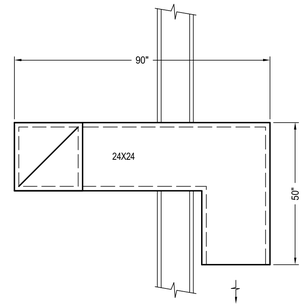
1. PROVIDE ACOUSTICAL SEALANT AT WALL PENETRATIONS
2. TURN ELBOW UP, UNLESS OTHERWISE INDICATED ON PLANS

1 M4.2 DETAIL - R/A TRANSFER ELBOW

SCALE: NONE



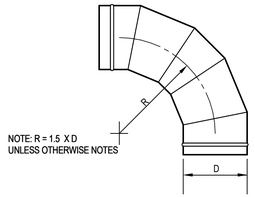
ELEVATION VIEW



PLAN VIEW

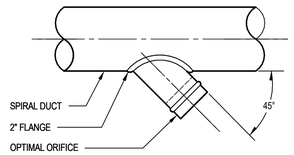
2 M4.2 DETAIL - R/A TRANSFER ELBOW

SCALE: NONE

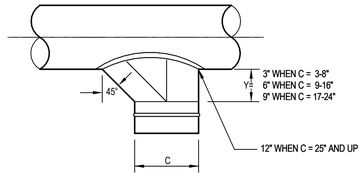


NOTE: R = 1.5 X D
UNLESS OTHERWISE NOTES

90 DEGREE ELBOW



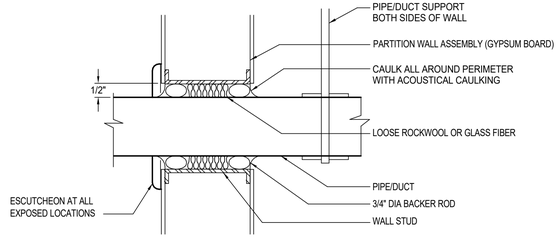
45 DEGREE TEE



90 DEGREE TEE WITH OVAL

3 M4.2 DETAIL - DUCT FITTINGS

SCALE: NONE

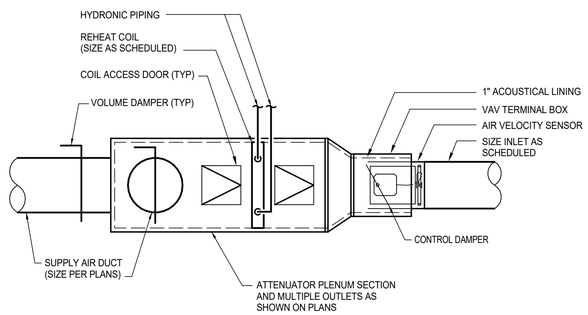


DETAIL NOTES:

1. PIPE/DUCT SHALL NOT CONTACT WALL.
2. CAULKING SHALL FORM AIR-TIGHT SEAL AROUND PIPE/DUCT.
3. INSTALL PENETRATIONS THRU FIRE RATED FLOORS IN ACCORDANCE WITH APPROVED UL ASSEMBLY LISTING.

4 M4.2 DETAIL - PIPE/DUCT WALL PENETRATION

SCALE: NONE

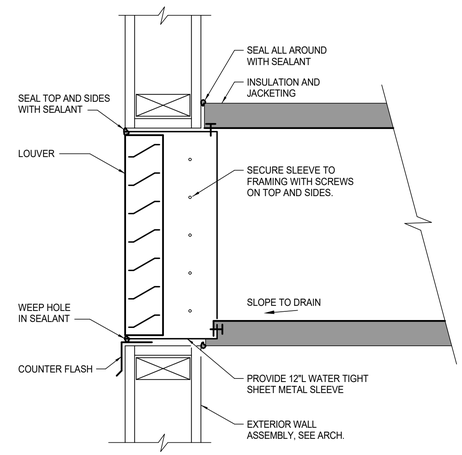


DETAIL NOTES:

1. HYDRONIC PIPING SHOWN OFFSET FOR CLARITY.
2. MINIMUM LOW PRESSURE DUCT DIMENSION EQUALS MAXIMUM DUCT CONNECTION DIAMETER PLUS 4 INCHES.
3. CENTER DUCT CONNECTIONS IN SIDES OF LOW PRESSURE PLENUMS.
4. VAV BOX WITHOUT REHEAT COIL IS SIMILAR.

5 M4.2 DETAIL - VAV BOX WITH REHEAT COIL

SCALE: NONE



6 M4.2 DETAIL - TYPICAL LOUVER

SCALE: NONE

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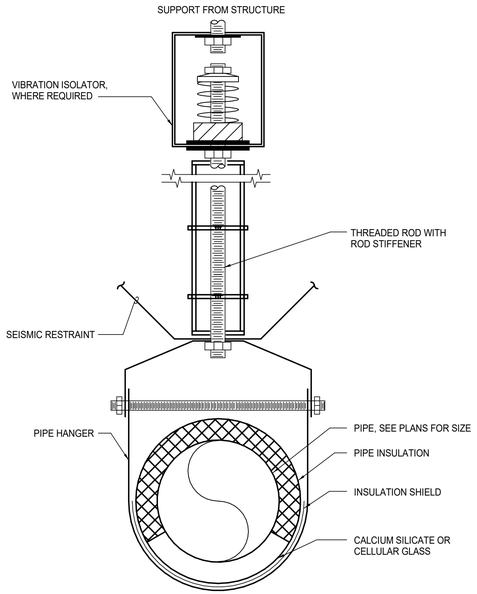
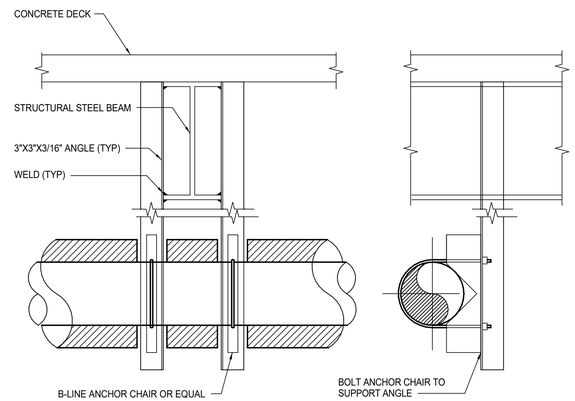


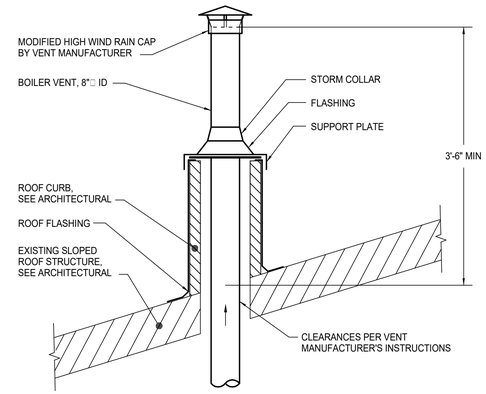
1 M4.3 DETAIL - PIPE HANGER

SCALE: NONE



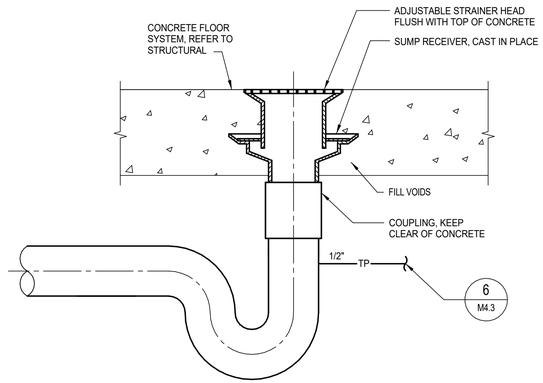
2 M4.3 DETAIL - PIPE ANCHOR

SCALE: NONE



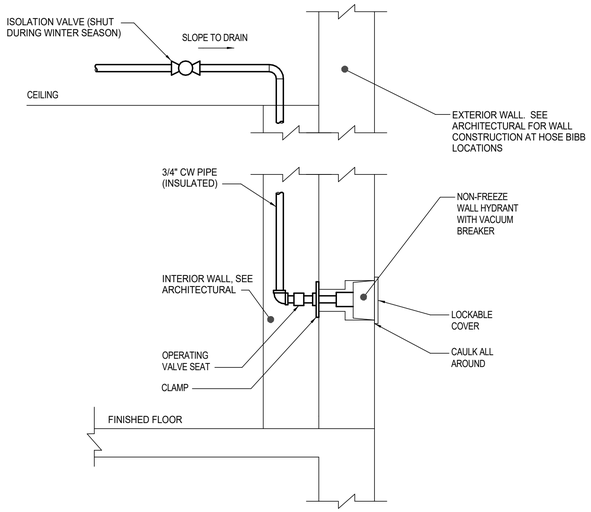
3 M4.3 DETAIL - BOILER VENT

SCALE: NONE



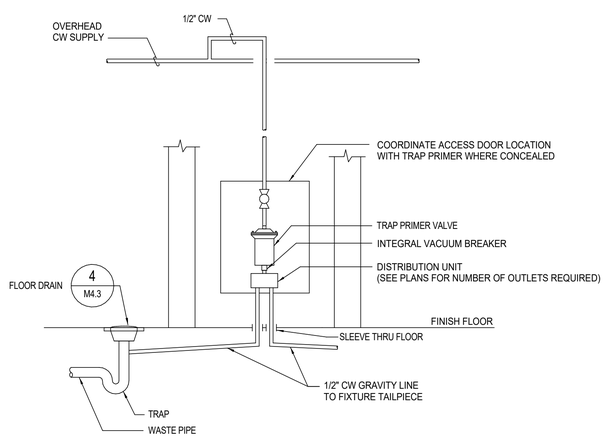
4 M4.3 DETAIL - TYPICAL FLOOR DRAIN

SCALE: NONE



5 M4.3 DETAIL - NON FREEZE HOSE BIBB

SCALE: NONE



6 M4.3 DETAIL - TRAP PRIMER VALVE

SCALE: NONE

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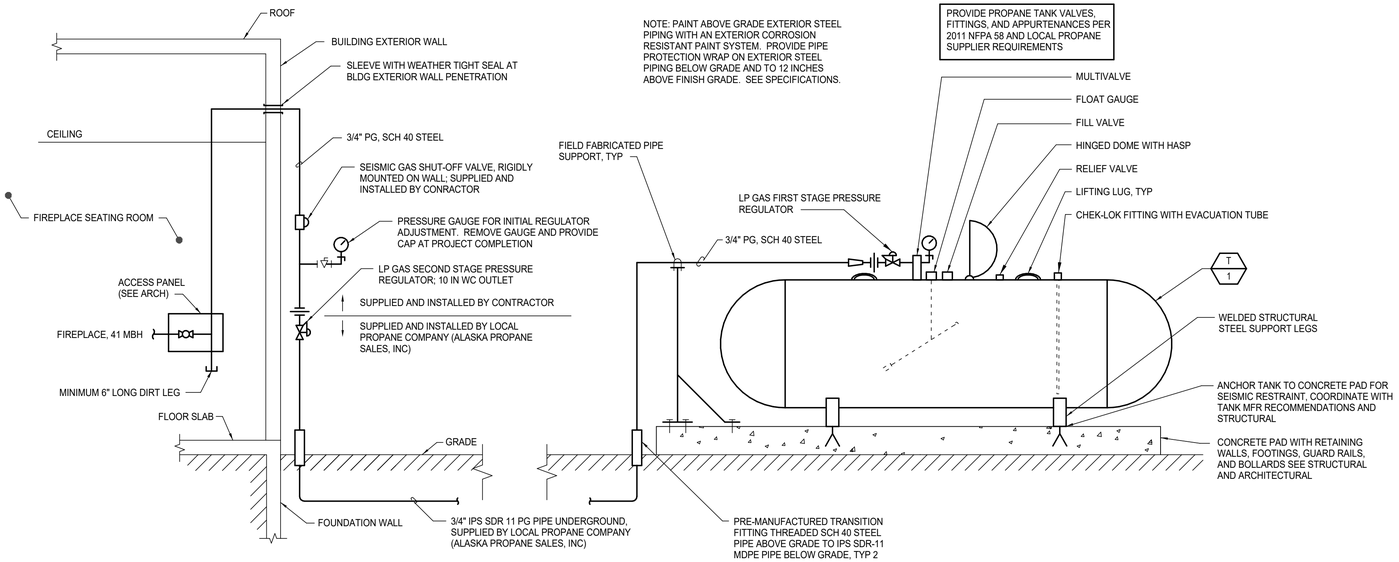
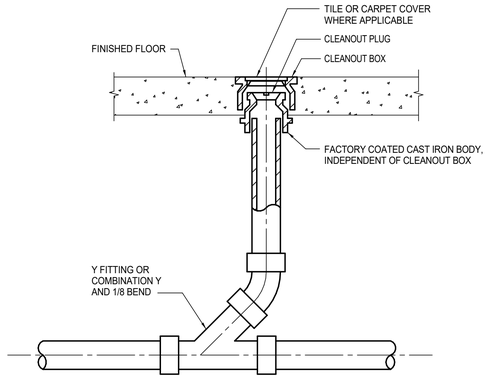


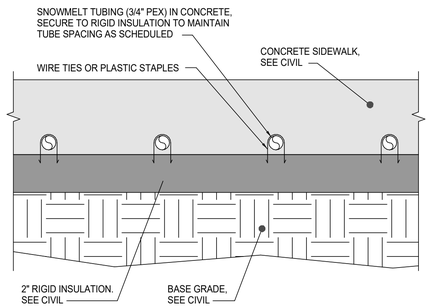
1 M4.4 DIAGRAM - PROPANE SYSTEM

SCALE: NONE



2 M4.4 DETAIL - FLOOR CLEANOUT

SCALE: NONE



3 M4.4 DETAIL - SNOWMELT PIPING EMBEDMENT

SCALE: NONE

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GENERAL

SYMBOL	DESCRIPTION
1 / 2.	SHEET NOTE CONVENTION: REFERENCED SHEET NOTE GENERAL SHEET NOTE
#	FEEDER IDENTIFICATION TAG FEEDER NUMBER
1 / E0.1	DETAIL REFERENCE DETAIL NUMBER SHEET WHERE DETAIL APPEARS
A / E0.1	SECTION REFERENCE SECTION LETTER SHEET WHERE SECTION APPEARS
	LINE WORK CONVENTION: NEW OR REINSTALLED ITEM ITEM TO BE DEMOLISHED EXISTING ITEM TO REMAIN FUTURE ITEM EXISTING ITEM TO BE RELOCATED
	CONDUIT/FEEDER LINE CONVENTION: CONCEALED UNDERGROUND OR CONCEALED IN FLOOR EXPOSED FLEXIBLE CONDUIT
P-1,3	CIRCUITING CONVENTION CIRCUIT NUMBER(S) PANEL
	BRANCH CIRCUIT HOMERUN TO PANELBOARD NUMBER OF MARKS INDICATE NUMBER OF CONDUCTORS IN RACEWAY, NOT COUNTING GROUNDING CONDUCTORS. (ABSENCE OF MARKS INDICATE TWO CONDUCTORS, PLUS REQUIRED GROUNDS) NUMBER OF ARROWS INDICATE NUMBER OF CIRCUITS UNSWITCHED CONDUCTORS SHOWN ON HOMERUN SIDE OF NEUTRAL NEUTRAL SWITCHED CONDUCTORS SHOWN ON LOAD SIDE OF NEUTRAL

ELECTRICAL DRAWING INDEX

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E0.3	PANEL SCHEDULES
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E1.2	DEMOLITION PLAN - POWER
E1.3	DEMOLITION PLAN - SPECIAL SYSTEMS
E2.1	FLOOR PLAN - LIGHTING
E3.1	FLOOR PLAN - POWER
E4.1	FLOOR PLAN - SPECIAL SYSTEMS
E5.1	ENLARGED FLOOR PLANS
E6.1	DETAILS AND DIAGRAMS
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E7.1	ONE-LINE DIAGRAMS

ABBREVIATIONS

ACS	ACCESS CONTROL SYSTEM
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AL	ALUMINUM
APB	ALL POINTS BULLETIN
APPROX	APPROXIMATE
AHJ	AUTHORITY HAVING JURISDICTION
BAS	BUILDING AUTOMATION SYSTEM
CKT	CIRCUIT
CCTV	CLOSED CIRCUIT TELEVISION
CMH	COMMUNICATIONS MANHOLE
C.	CONDUIT
C.O.	CONDUIT ONLY
CU	COPPER
(D)	DEMOLISH
DB	DECIBEL
EL	EMERGENCY LIGHT
ELU	EMERGENCY LIGHTING UNIT
ENL	EMERGENCY NIGHT LIGHT
(E)	EXISTING
(F)	FUTURE
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FO	FIBER OPTIC
FOPP	FIBER OPTIC PATCH PANEL
FSD	FIRE/SMOKE DAMPER
HZ	FREQUENCY
HP	HORSEPOWER
IAW	IN ACCORDANCE WITH
K	KELVIN
KVA	KILO VOLT-AMPS
KW	KILOWATT
LCP	LIGHTING CONTROL PANEL
LSI	LONG TIME, SHORT TIME, INSTANTANIOUS
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CONTROL PANEL
MDS	MAIN DISTRIBUTION SWITCHBOARD
MIN	MINIMUM
MM	MULTIMODE FIBER OPTIC CABLE
MTR	MAIN TELECOM ROOM
NEC	NATIONAL ELECTRICAL CODE
NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
NL	NIGHT LIGHT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OFC	OPTICAL FIBER CABLE
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PA	PUBLIC ADDRESS
PH	PHASE (ELECTRICAL)
PLC	PROGRAMMABLE LOGIC CONTROLLER
PMCS	POWER MONITORING CONTROL SYSTEM
SM	SINGLEMODE FIBER OPTIC CABLE
SMR	SURFACE MOUNTED RACEWAY
SPD	SURGE PROTECTIVE DEVICE
TELECOM	TELECOMMUNICATION
TR	TAMPER RESISTANT
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VR	VANDAL RESISTANT
VSD	VARIABLE SPEED DRIVE
VAC	VOLTS (ALTERNATING CURRENT)
VDC	VOLTS (DIRECT CURRENT)
V	VOLTS OR VOLTAGE
W	WATT
WP	WEATHERPROOF
WG	WIRE GUARD

LIGHTING

SYMBOL	DESCRIPTION
	LIGHTING FIXTURE, LINEAR LAMP(S)
	LIGHTING FIXTURE - WALL MOUNTED
	LIGHTING FIXTURE - SURFACE OR PENDANT MOUNTED
	LIGHTING FIXTURE - RECESS MOUNTED
	LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK, NIGHT LIGHT
	LIGHTING FIXTURE WITH EMERGENCY BATTERY PACK
	EXIT FIXTURE - WALL MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)
	EXIT FIXTURE - CEILING MOUNTED SHADED AREA(S) DENOTE FACE(S) OF SIGN, ARROWS AS NOTED (FIXTURE TYPE EX)
	EMERGENCY LIGHTING UNIT - WALL MOUNTED (FIXTURE TYPE XA)
	EMERGENCY LIGHTING UNIT - CEILING MOUNTED (FIXTURE TYPE XA)
	SITE LIGHTING - POLE MOUNTED
$	SINGLE POLE SWITCH
$3	THREE-WAY SWITCH
$4	FOUR-WAY SWITCH
$a	SWITCH FOR FIXTURES MARKED 'a',
$D	DIMMER SWITCH
$K	KEYED SWITCH
$M	MOMENTARY SWITCH
$O	OCCUPANCY SENSOR/SWITCH
$P	PILOT LIGHTED SWITCH
PC	PHOTOCELL
DS	DAYLIGHT SENSOR
	OCCUPANCY SENSOR - WALL MOUNTED
	OCCUPANCY SENSOR - CEILING MOUNTED
$a,b,c LV	LOW VOLTAGE SWITCH(ES) FOR FIXTURES MARKED 'a', 'b', 'c' AS NOTED
$a,b,c KLV	KEYED LOW VOLTAGE SWITCH(ES) FOR FIXTURES MARKED 'a', 'b', 'c', ETC
#	LIGHTING ZONE/SEQUENCE OF OPERATION

POWER

SYMBOL	DESCRIPTION
	RECEPTACLE MOUNTING :
	RECEPTACLE - WALL MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
H	RECEPTACLE - WALL MOUNTED HORIZONTALLY (SEE "RECEPTACLE TYPES" BELOW)
TR	RECEPTACLE - TAMPER-RESISTANT (SEE "RECEPTACLE TYPES" BELOW)
	RECEPTACLE - FLOOR MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
	RECEPTACLE - CEILING MOUNTED (SEE "RECEPTACLE TYPES" BELOW)
	RECEPTACLE TYPES :
	DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER, DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTER, DOUBLE DUPLEX RECEPTACLE
	RANGE RECEPTACLE - 50 AMP/250 VOLT
	ELECTRICAL DEVICES :
	SPECIAL PURPOSE RECEPTACLE, NEMA TYPE AS NOTED
	POWER POLE
	DRYER
	MOTOR
T	SWITCH - THERMAL TRIP WITH HEATER
	SURFACE MOUNTED RACEWAY
	FUSED DISCONNECT
	NON-FUSED DISCONNECT
	COMBINATION STARTER/FUSED DISCONNECT
	STARTER OR CONTACTOR
J	JUNCTION BOX AND/OR CONNECTION TO EQUIPMENT
M	METERING DEVICE
VSD	VARIABLE SPEED DRIVE
PB	PUSHBUTTON - SPECIAL
	PUSHBUTTON (1 BUTTON)
	PUSHBUTTON (2 BUTTON)
	PUSHBUTTON (3 BUTTON)
	PANEL - SURFACE MOUNTED
	PANEL - FLUSH MOUNTED
	TRANSFORMER
R	RELAY
G	GROUND FAULT RELAY

SPECIAL SYSTEMS

SYMBOL	DESCRIPTION
X	TELECOMMUNICATION OUTLET - WALL MOUNTED (X DENOTES NUMBER OF PORTS)
X	TELECOMMUNICATION OUTLET - FLOOR MOUNTED (X DENOTES NUMBER OF PORTS)
C,X	TELECOMMUNICATION OUTLET - CEILING MOUNTED (X DENOTES NUMBER OF PORTS)
WP	WIRELESS ACCESS POINT
F	FIRE ALARM MANUAL PULL STATION
	FIRE ALARM STROBE - WALL MOUNTED
	FIRE ALARM STROBE - CEILING MOUNTED
H	FIRE ALARM HORN - WALL MOUNTED
H	FIRE ALARM HORN - CEILING MOUNTED
S	FIRE ALARM SPEAKER - WALL MOUNTED
S	FIRE ALARM SPEAKER - CEILING MOUNTED
	BELL - WALL MOUNTED
	FIRE ALARM HORN/STROBE - WALL MOUNTED
	FIRE ALARM HORN/STROBE - CEILING MOUNTED
	FIRE ALARM SPEAKER/STROBE - WALL MOUNTED
	FIRE ALARM SPEAKER/STROBE - CEILING MOUNTED
P	PHOTOELECTRIC SMOKE DETECTOR
	MULTI-TECHNOLOGY SMOKE DETECTOR
H	HEAT DETECTOR
H 135°	FIXED TEMPERATURE HEAT DETECTOR (135 DEGREES FAHRENHEIT)
DD	DUCT DETECTOR
FS	FLOW SWITCH
TS	TAMPER SWITCH
PS	PRESSURE SWITCH
	DOOR HOLDER
DC	DOOR HOLDER/CLOSER
FACP	FIRE ALARM CONTROL PANEL
FAA	FIRE ALARM ANNUNCIATOR
GB	GLASS BREAK DETECTOR - WALL MOUNTED
GB	GLASS BREAK DETECTOR - CEILING MOUNTED
IR L	SECURITY INFRARED MOTION DETECTOR - LONG RANGE - WALL MOUNTED
IR 360	SECURITY INFRARED MOTION DETECTOR - 360 DEGREE COVERAGE - CEILING MOUNTED
D	DOOR CONTACT
KP	SECURITY KEYPAD
	SECURITY CARD READER
	CCTV CAMERA - PAN TILT ZOOM
	CCTV CAMERA - FIXED
S	SPEAKER - WALL MOUNTED
S	SPEAKER - CEILING OR PENDANT MOUNTED
R	HEARING IMPAIRED INFRARED RADIATOR

NOTE: THIS IS A STANDARD LEGEND. NOT ALL SYMBOLS NECESSARILY APPEAR ON THE DRAWINGS

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ABBREVIATIONS AND LEGEND

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PANEL SCHEDULE NOTES

CIRCUIT BREAKERS AND LOADS ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.

*** EXISTING LOAD PARTIALLY DEMOLISHED ***

& EXISTING LOAD DEMOLISHED AND NEW LOAD CONNECTED TO CIRCUIT BREAKER MADE SPARE &

% EXISTING LOAD DEMOLISHED AND CIRCUIT BREAKER MADE SPARE %

$ NEW LOAD CONNECTED TO EXISTING SPARE CIRCUIT BREAKER $

@ NEW LOAD CONNECTED TO NEW CIRCUIT BREAKER PROVIDED IN EXISTING SPACE @

LIGHTING FIXTURE SCHEDULE

TYPE	DESCRIPTION	COLOR TEMP	LUMENS	POWER (W)	MOUNTING
A	LITHONIA 2BLT2 40L ADSM GZ10 LP835 2'X2', LED TROFFER, DIE-FORMED CONSTRUCTION, ACRYLIC REFRACTOR, STANDARD EFFICIENCY, MULTIVOLT	3500K	4000	31.7	RECESSED CEILING
B	LITHONIA 2BLT4 48L ADSM GZ10 LP835 2'X4', LED TROFFER, DIE-FORMED CONSTRUCTION, ACRYLIC REFRACTOR, STANDARD EFFICIENCY, MULTIVOLT	3500K	4800	38	RECESSED CEILING
C8'	MARK S2LID LLP 8FT MSL8 80CRI 35K 400LMF I80CRI I35K I600LMF MIN1 MVOLT 8' INDIRECT/DIRECT PENDANT, STANDARD DISTRIBUTION, ROUND CANOPY, WHITE GLOSS FINISH, WHITE CANOPY, WHITE CORD, 0-10V CONTROL	3500K	600/FT UP 400/FT DWN	61.2	PENDANT TO 9' AFF
D	MARK S2LWID LLP 2FT MSL2 80CRI 35K 400LMF I80CRI I35K I600LMF MIN1 MVOLT WHT 2' INDIRECT/DIRECT LINEAR WALLMOUNT, STANDARD DISTRIBUTION, WHITE GLOSS FINISH, 0-10V CONTROL	3500K	600/FT UP 400/FT DWN	15.9	WALL MOUNT TO 7'-0" AFF
F	MARK SL2L LOP 4FT FLP GB 80CRI 35K 750LMF MIN1 120 ZT MC027 4' LED STRIP, FLUSH LENS, TRIMLESS, STANDARD DISTRIBUTION	3500K	750/FT	7/FT	RECESSED CEILING
G	BUZZISPACE BUZZIDOME SEMI-DOME NOISE-REDUCING, ACOUSTIC FOAM SHADE, OPAQUE DIFFUSER, WHITE METAL CEILING CANOPY, TRANSPARENT POWER CABLE, FABRIC AS SELECTED BY ARCHITECT	3000K	2545	25	PENDANT
H1	LITHONIA LDN4 35/10 LO4WR MVOLT GZ10 4" LED DOWNLIGHT, WHITE TRIM, GALVANIZED STEEL FRAME, MULTIVOLT	3500K	1000	10.5	RECESSED CEILING
J	LITHONIA CLX L48 4000LM SEF RDL MVOLT GZ10 35K 80CRI WH 4' LED STRIP, STANDARD EFFICIENCY, ROUND DIFFUSE LENS, WHITE FINISH, GENERAL DISTRIBUTION, WIREGAURD WGCLX48 WH	3500K	4000	27.6	SURFACE CEILING
J2	LITHONIA CLX L48 4000LM SEF RDL MVOLT GZ10 35K 80CRI WH 4' LED STRIP, STANDARD EFFICIENCY, ROUND DIFFUSE LENS, WHITE FINISH, GENERAL DISTRIBUTION, WIREGAURD WGCLX48 WH	3500K	4000	27.6	WALL MOUNT TO 7'-0"
K	MARK S2LID LLP 30FT MSL6 80CRI 35K 400LMF I80CRI I35K I800LMF MIN1 MVOLT 30' INDIRECT/DIRECT PENDANT, WHITE GLOSS FINISH, ROUND CANOPY, WHITE CANOPY, WHITE CORD, 0-10V CONTROL	3500K	800/FT UP 400/FT DWN	267	PENDANT TO 9'-0" AFF
L	JUNO 2LEDTRIM G2 DC 35K 80CRI FL CWH w/ 2LEDDRIVER G2 10LM MVOLT ZT 2" LED DOWNLIGHT, FLOOD DISTRIBUTION, WHITE TRIM RING, CLEAR REFLECTOR	3500K	1000	11	RECESSED CEILING
M2	MARK LIGHTING CHSL-2X2-G15-80CRI-35K-4000LM-PYR-2SDC-MIN1-120-ZT 2'X2' TROFFER, DIRECTIONAL GRADIENT LIGHT DISTRIBUTION (2 SIDES, CORNER), TEXTURED DIFFUSER, WHITE FINISH	3500K	4000	35	RECESSED CEILING
M4	MARK LIGHTING CHSL-2X4-G15-80CRI-35K-4000LM-PYR-2SDP-MIN1-120V-ZT SAM AS M2, EXCEPT 2'X4' AMD 2 SIDE PARALLEL DIRECTIONAL GRADIENT	3500K	4000	32.6	RECESSED CELING
P	KELVIX PH35K-24V LINEAR LED TAPE, 120 DEGREE BEAM, PROVIDE KELVIX ULV96 POWER SUPPLY, AND KELVIX CH-006-2-WHR-CP MOUNTING CHANNEL IN SUFFICIENT QUANTITY FOR LENGTH OF FIXTURE SHOWN ON FLOOR PLANS	3500K	347/FT	96	COVE
Q	KENALL AUCLED-I-MW-20L35K-48-120 4.5X48" UNDERCABINET LIGHT, INDIVDUAL MOUNT, MATTE WHITE FINISH	3500K	2000	22	UNDERCABINET
SA	LITHONIA RSX3 LED P3 50K R4 MVOLT RPA DBLXD AREA LUMINAIRE, TYPE 4 WIDE DISTRIBUTION, ROUND POLE MOUNT, BLACK FINISH	5000K	35,809	266	POLE MOUNT AT 30'-0" AFG
SC	KIRLIN LRR-04002-43-41K-WFL-37F 4" DIAMETER, OPEN APPEARANCE DOWNLIGHT, WIDE FLOOD DISTRIBUTION, DARK BRONZE ACRYLIC ENAMELED CONE FLANGE, ACRYLIC ENAMELED ALUMINUM HOUSING, WET LOCATION RATED, MULTIVOLT	4100K	850	11	RECESSED CEILING
EX	LITHONIA EDG 1 G EL M6 EXIT SIGN, NICKEL-CADMIUM BATTERY, GREEN LETTERING, 1 OR 2 FACES AS SHOWN ON DRAWINGS, ARROWS AS SHOWN ON DRAWINGS, BRUSHED ALUMINUM	N/A	N/A	N/A	WALL OVER DOOR OR CEILING AS NOTED
XA	LITHONIA ELM2L UVOLT LTP M12 BATTERY POWERED LED WALL PACK, WHITE HOUSING, LITHIUM IRON PHOSPHATE BATTERY	N/A	N/A	N/A	WALL MOUNT, +7'-6" AFF OR SURFACE CEILING AS SHOWN

FIXTURE SCHEDULE NOTES

1 REFER TO SPECIFICATION SECTIONS 26500 FOR ADDITIONAL REQUIREMENTS REGARDING LIGHT FIXTURES, LED LAMPS AND DRIVERS.
2 PROVIDE AN UNSWITCHED CIRCUIT CONNECTION (CIRCUIT AS NOTED ON DRAWINGS) TO EXIT SIGNS AND EMERGENCY LIGHTING FIXTURES.
3 INSTALL LIGHTING FIXTURE ON EXISTING ROUND, TAPERED, COMPOSITE FIBERGLASS POLE, SHAKESPEARE BB35-0255BL20.
4 REFER TO ARCHITECTURAL DRAWINGS FOR SPECIFIC MOUNTING HEIGHTS.

C

LOCATION: STORAGE 108 **VOLTS:** 120/208 Wye **A.I.C RATING:** 12,774
FED FROM: MDP **PHASES:** 3 **MAINS TYPE:** LUGS
MOUNTING: SURFACE **WIRES:** 4 **RATING:** 100 A

CKT #	CIRCUIT DESCRIPTION	AMP	POLE	VA - PHASE A		VA - PHASE B		VA - PHASE C		POLE	AMP	CIRCUIT DESCRIPTION	CKT #
1	$ REC - STUDY 121 $	20	1	540	900					1	20	REC - COMPUTERS 114 WEST SMR CKT 1	2
3	REC - STACKS 127 SECURITY	20	1			360	720			1	20	REC - COMPUTERS 114 WEST SMR CKT 2	4
5	REC - COMPUTERS 114 EAST SMR CKT 1	20	1					720	0	1	20	SPARE	6
7	REC - COMPUTERS 114 EAST SMR CKT 2	20	1	720	720					1	20	**REC - FIREPLACE SEATING 120**	8
9	REC - COMPUTERS 114 NORTH SMR CKT 1	20	1			900	950			1	20	**REC - GATHERING 140 N., E. WALLS**	10
11	REC - COMPUTERS 114 NORTH SMR CKT 2	20	1					720	1000	**1**	**20**	**REC - GATHERING 140 FLATSCREENS**	12
13	& FACP &	20	1	200	1080					**1**	**20**	**& REC - GATHERING 140 W.,S.,E. WALLS &**	14
15	$ REC - STUDY 124 $	20	1			540	400			**1**	**20**	**GATHERING 140 PROJECTOR AND SCREEN**	16
17	SPACE	--	--					0	720	1	20	REC - CIRC DESK 116	18

	PHASE A	PHASE B	PHASE C
TOTAL LOAD	4.2 kVA	3.9 kVA	3.2 kVA
TOTAL AMPS	36 A	33 A	26 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
Power -	1000 VA	100.00%	1000 VA
PWR -	650 VA	100.00%	650 VA

PANEL TOTALS	
TOTAL CONNECTED LOAD:	11.2 kVA
TOTAL NEC LOAD:	11.2 kVA
TOTAL CONNECTED AMPS:	31 A
TOTAL NEC AMPS:	31 A

1L

LOCATION: STORAGE 108 **VOLTS:** 120/208 Wye **A.I.C RATING:** 12,711
FED FROM: MDP **PHASES:** 3 **MAINS TYPE:** LUGS
MOUNTING: SURFACE **WIRES:** 4 **RATING:** 225 A

CKT #	CIRCUIT DESCRIPTION	AMP	POLE	VA - PHASE A		VA - PHASE B		VA - PHASE C		POLE	AMP	CIRCUIT DESCRIPTION	CKT #
1	**LTG - CIRC DESK 116, OPEN STUDY 134**	20	1	403	516					1	20	LTG - EXTERIOR BUILDING MOUNTED	2
3	**LTG - ROOMS 131, 131A, 132, 133**	20	1			1162	1328			1	20	LTG - STACKS/ADULT READING 127 SUSPENDED	4
5	**LTG - ROOMS 119, 120, 123, 127**	20	1					1839	0	1	20	**SPARE**	6
7	**LTG - ROOMS 122, 124**	20	1	445	0					1	20	SPARE	8
9	**LTG - ROOMS 107A, 108, 109, 111, 112, 113, 114**	20	1			1236	0			1	20	SPARE	10
11	**LTG - ROOMS 101, 102, 103, 104, 105, 106**	20	1					1537	0	--	--	SPACE	12
13	**LTG - MEETING RM 107, GATHERING 140**	20	1	1319	0					--	--	SPACE	14
15	**LTG - FAN ROOM 201**	20	1			90	0			--	--	SPACE	16
17	**SPARE**	20	1					0	0	--	--	SPACE	18
19	**SPARE**	20	1	0	0					--	--	SPACE	20
21	**SPARE**	20	1			0	0			--	--	SPACE	22
23	**SPARE**	20	1					0	0	--	--	SPACE	24
25	**SPARE**	20	1	0	0					--	--	SPACE	26
27	**SPARE**	20	1			0	0			--	--	SPACE	28
29	*** LTG - SITE POLES ***	20	1					204	0	--	--	SPACE	30

	PHASE A	PHASE B	PHASE C
TOTAL LOAD	2.7 kVA	3.8 kVA	3.6 kVA
TOTAL AMPS	22 A	33 A	31 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
LIGHTING	8561 VA	125.00%	10701 VA
Other	0 VA	0.00%	0 VA
PWR -	200 VA	100.00%	200 VA
Ltg -	1299 VA	125.00%	1623 VA

PANEL TOTALS	
TOTAL CONNECTED LOAD:	10.1 kVA
TOTAL NEC LOAD:	12.5 kVA
TOTAL CONNECTED AMPS:	28 A
TOTAL NEC AMPS:	35 A

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E0.2

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PANEL SCHEDULE NOTES

CIRCUIT BREAKERS AND LOADS ARE EXISTING TO REMAIN, UNLESS OTHERWISE NOTED.

*** EXISTING LOAD PARTIALLY DEMOLISHED ***

& EXISTING LOAD DEMOLISHED AND NEW LOAD CONNECTED TO CIRCUIT BREAKER MADE SPARE &

% EXISTING LOAD DEMOLISHED AND CIRCUIT BREAKER MADE SPARE %

$ NEW LOAD CONNECTED TO EXISTING SPARE CIRCUIT BREAKER $

@ NEW LOAD CONNECTED TO NEW CIRCUIT BREAKER PROVIDED IN EXISTING SPACE @

1P

LOCATION: STORAGE 108 **VOLTS:** 120/208 Wye **A.I.C RATING:** 12,545
FED FROM: MDP **PHASES:** 3 **MAINS TYPE:** LUGS
MOUNTING: SURFACE **WIRES:** 4 **RATING:** 225 A

CKT #	CIRCUIT DESCRIPTION	AMP	POLE	VA - PHASE A		VA - PHASE B		VA - PHASE C		POLE	AMP	CIRCUIT DESCRIPTION	CKT #
1	REC - ROOM 112 N., W., 108 S., 110 S., 111 W.,...	20	1	1260	200					1	20	*** DOOR LOCKS ***	2
3	REC - TELECOM ROOM 111 W. WALL	20	1			360	720			1	20	REC - LOBBY 102, RR 105, 107, JANITOR 106	4
5	REC - TELECOM ROOM 111 S. WALL	20	1					360	0	1	20	**& REC - GATHERING 129 N. WALL, PODIUM &**	6
7	REC - TELECOM ROOM 111 E. WALL	20	1	360	900					1	20	*** REC - ROOM 123 N. ***	8
9	REC - TELECOM ROOM 111 N. WALL	20	1			360	900			1	20	REC - HUDSON ROOM 120, EXTERIOR	10
11	REC - MEETING 104A E.,S.W., WALLS, 104B N....	20	1					1440	540	1	20	REC - FAN ROOM	12
13	REC - MEETING 104A N. WALL	20	1	360	180					1	20	REC - HALL 108 N. WALL	14
15	REC - MEETING 104A N. WALL	20	1			360	720			1	20	REC - HALL 108 N. WALL	16
17	REC - DIRECTOR'S OFFICE 113	20	1					720	180	1	20	REC - HALL 108 N. WALL	18
19	REC - WORKROOM 112 S.W. COUNTER	20	1	360	0					1	20	UNKNOWN LOAD	20
21	REC - WORKROOM 112 S.W. COUNTER	20	1			360	1200			1	20	**REC - GATHERING 140 MICROWAVE**	22
23	REC - ROOMS 113 N.W., READING 117B S.E.	20	1					540	960	1	20	**REC - GATHERING 140 REFRIGERATOR**	24
25	REC - WORKROOM 112 W. WALL	20	1	360	720					1	20	**& REC - CHILDREN'S 122, EXT &**	26
27	**& REC - TOILETS 131,132, READING 115 E. WAL...**	20	1			540	480			1	20	**REC - DRINKING FOUNTAIN**	28
29	**REC - CHILDRENS 131 SOUTHEAST**	**20**	**1**					540	720	**1**	**20**	**REC - FIREPLACE/READING SEATING 120...**	30

	PHASE A	PHASE B	PHASE C
TOTAL LOAD	4.7 kVA	6.0 kVA	6.0 kVA
TOTAL AMPS	39 A	52 A	52 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
PWR -	1640 VA	100.00%	1640 VA

PANEL TOTALS	
TOTAL CONNECTED LOAD:	16.7 kVA
TOTAL NEC LOAD:	14.2 kVA
TOTAL CONNECTED AMPS:	46 A
TOTAL NEC AMPS:	39 A

M

LOCATION: STORAGE 108 **VOLTS:** 120/208 Wye **A.I.C RATING:** 13,800
FED FROM: MDP **PHASES:** 3 **MAINS TYPE:** LUGS
MOUNTING: SURFACE **WIRES:** 4 **RATING:** 225 A

CKT #	CIRCUIT DESCRIPTION	AMP	POLE	VA - PHASE A		VA - PHASE B		VA - PHASE C		POLE	AMP	CIRCUIT DESCRIPTION	CKT #
1	**% SPARE %**	20	1	0	1273					3	20	**PMP-1 (3HP) - MECHANICAL 109**	2
3	**% SPARE %**	20	1			0	1273			--	--	--	4
5	**% SPARE %**	20	1					0	1273	--	--	--	6
7	**% SPARE %**	20	1	0	420					3	15	**SCF-1 (3/4HP) - CHAIR STORAGE 140A**	8
9	**% SPARE %**	20	1			0	420			--	--	--	10
11	**% SPARE %**	20	1					0	420	--	--	--	12
13	**% SPARE %**	20	1	0	528					1	15	**UH-2 (1/6HP) BOILER ROOM 109**	14
15	UNIT HEATER (1/6HP) FAN ROOM 201	20	1			528	696			**1**	**15**	**PMP-5A (1/3HP) - MECHANICAL 109**	16
17	*** BOILER AND DRAFT INDUCER ***	20	1					696	696	**1**	**15**	**PMP 5 (1/3HP) - MECHANICAL 109**	18
19	PMP-2, WATER HEATER	20	1	0	696					**1**	**15**	**BLR-1 (1/3HP) - MECHANICAL 109**	20
21	**BOILER CONTROLLER - MECHANICAL 109**	20	1			200	528			**1**	**15**	**PMP-3 (1/6HP) - PENTHOUSE**	22
23	AIR COMPRESSOR - MECHANICAL ROOM 109	20	1					0	138	1	15	**CUH-1 (1/30HP) VESTIBULE 101**	24
25	**PMP-1A (3HP) - MECHANICAL 109**	**20**	**3**	1273	1176					**1**	**15**	**EF-1 (1/2HP) - LOBBY 103**	26
27	**--**	--	--			1273	864			**1**	**15**	**PMP-4 (1/3HP) - FAN ROOM 201**	28
29	**--**	--	--					1273	0	--	--	SPACE	30

	PHASE A	PHASE B	PHASE C
TOTAL LOAD	5.4 kVA	5.8 kVA	4.5 kVA
TOTAL AMPS	46 A	49 A	37 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
MOTOR -	15445 VA	106.18%	16399 VA
PWR -	200 VA	100.00%	200 VA

PANEL TOTALS	
TOTAL CONNECTED LOAD:	15.6 kVA
TOTAL NEC LOAD:	16.6 kVA
TOTAL CONNECTED AMPS:	43 A
TOTAL NEC AMPS:	46 A

2P

LOCATION: STORAGE 108 **VOLTS:** 120/208 Wye **A.I.C RATING:** 12,382
FED FROM: MDP **PHASES:** 3 **MAINS TYPE:** LUGS
MOUNTING: SURFACE **WIRES:** 4 **RATING:** 225 A

CKT #	CIRCUIT DESCRIPTION	AMP	POLE	VA - PHASE A		VA - PHASE B		VA - PHASE C		POLE	AMP	CIRCUIT DESCRIPTION	CKT #
1	REC - CELL FLOOR - ROW R1	20	1	720	0					1	20	REC - CELL FLOOR - ROW R2 ODD	2
3	EXISTING LOAD	20	1			0	0			1	20	REC - CELL FLOOR - ROW R2 EVEN	4
5	REC - CELL FLOOR - ROW R3	20	1					0	0	1	15	EXISTING LOAD	6
7	REC - CELL FLOOR - ROW R4	20	1	0	0					1	20	EXISTING LOAD	8
9	**REC - CELL FLOOR - ROW R12**	20	1			0	720			1	20	**REC - TEEN 125 WEST WALL**	10
11	REC - CELL FLOOR - ROW R5	20	1					0	0	1	20	REC - CELL FLOOR - ROW R6	12
13	**REC - CELL FLOOR - ROW R11 EAST**	20	1	0	0					1	20	REC - CELL FLOOR - ROW R8	14
15	REC - CELL FLOOR - ROW R7	20	1			0	0			1	20	REC - CELL FLOOR - ROW R10	16
17	**REC - RMS 101, 102, BK DROP 126, STUDY 128**	20	1					1260	900	1	20	**REC - CHILDRENS 122 WORKSTATIONS**	18
19	REC - CELL FLOOR - ROW R9	20	1	0	540					1	20	**REC - CHILDRENS 122, STORAGE 123**	20
21	REC - CELL FLOOR - ROW R11	20	1			0	400			1	20	**AUTODOOR OPERATOR**	22
23	**REC - CELL FLOOR - ROWS R6,7,8 (CIRC DESK)**	20	1					0	0	**1**	**20**	**REC - FLOOR BOX - CHILDRENS 131**	24
25	**ACS DOOR CONTROLLER**	20	1	200	900					**1**	**20**	**REC - CHILDRENS 131 NORTH WALL**	26
27	**REC - READ/STUDY 123 N. WALL**	20	1			720	720			**1**	**20**	**REC - TEEN 133 EAST WALL**	28
29	**FIRE PLACE**	20	1					1000	0	--	--	SPACE	30

	PHASE A	PHASE B	PHASE C
TOTAL LOAD	2.4 kVA	2.6 kVA	3.2 kVA
TOTAL AMPS	20 A	22 A	27 A

LOAD TYPE	CONNECTED LOAD	DEMAND FACTOR	TOTAL LOAD WITH NEC FACTORS
PWR -	1600 VA	100.00%	1600 VA

PANEL TOTALS	
TOTAL CONNECTED LOAD:	8.1 kVA
TOTAL NEC LOAD:	8.1 kVA
TOTAL CONNECTED AMPS:	22 A
TOTAL NEC AMPS:	22 A

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PANEL SCHEDULES

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E0.3

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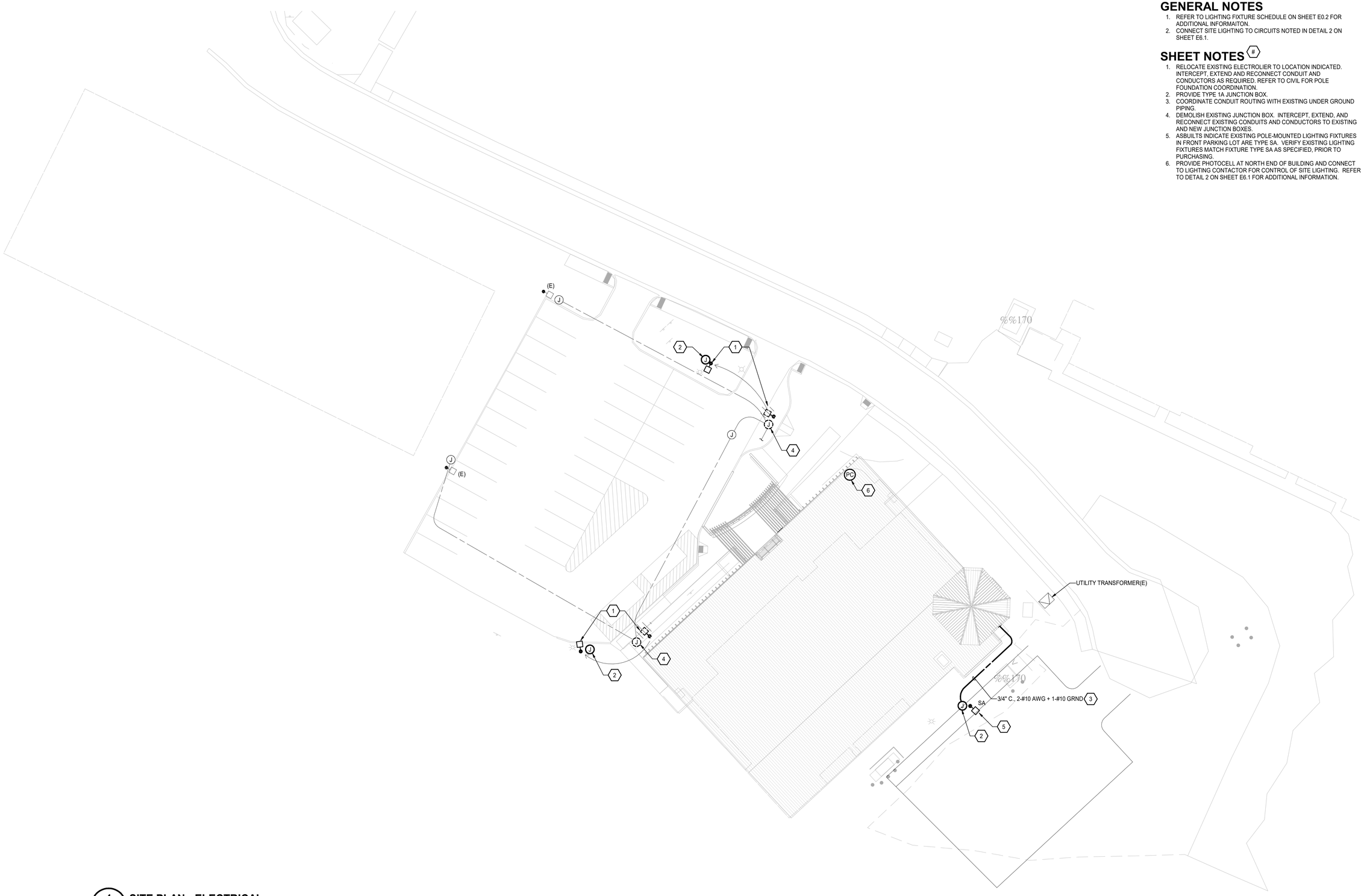
GENERAL NOTES

1. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E0.2 FOR ADDITIONAL INFORMAITON.
2. CONNECT SITE LIGHTING TO CIRCUITS NOTED IN DETAIL 2 ON SHEET E6.1.

SHEET NOTES (#)

1. RELOCATE EXISTING ELECTROLIER TO LOCATION INDICATED. INTERCEPT, EXTEND AND RECONNECT CONDUIT AND CONDUCTORS AS REQUIRED. REFER TO CIVIL FOR POLE FOUNDATION COORDINATION.
2. PROVIDE TYPE 1A JUNCTION BOX.
3. COORDINATE CONDUIT ROUTING WITH EXISTING UNDER GROUND PIPING.
4. DEMOLISH EXISTING JUNCTION BOX. INTERCEPT, EXTEND, AND RECONNECT EXISTING CONDUITS AND CONDUCTORS TO EXISTING AND NEW JUNCTION BOXES.
5. ASBUILTS INDICATE EXISTING POLE-MOUNTED LIGHTING FIXTURES IN FRONT PARKING LOT ARE TYPE SA. VERIFY EXISTING LIGHTING FIXTURES MATCH FIXTURE TYPE SA AS SPECIFIED, PRIOR TO PURCHASING.
6. PROVIDE PHOTOCELL AT NORTH END OF BUILDING AND CONNECT TO LIGHTING CONTACTOR FOR CONTROL OF SITE LIGHTING. REFER TO DETAIL 2 ON SHEET E6.1 FOR ADDITIONAL INFORMATION.



1 SITE PLAN - ELECTRICAL
E1.0 Scale: 1" = 20'-0"

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SITE PLAN

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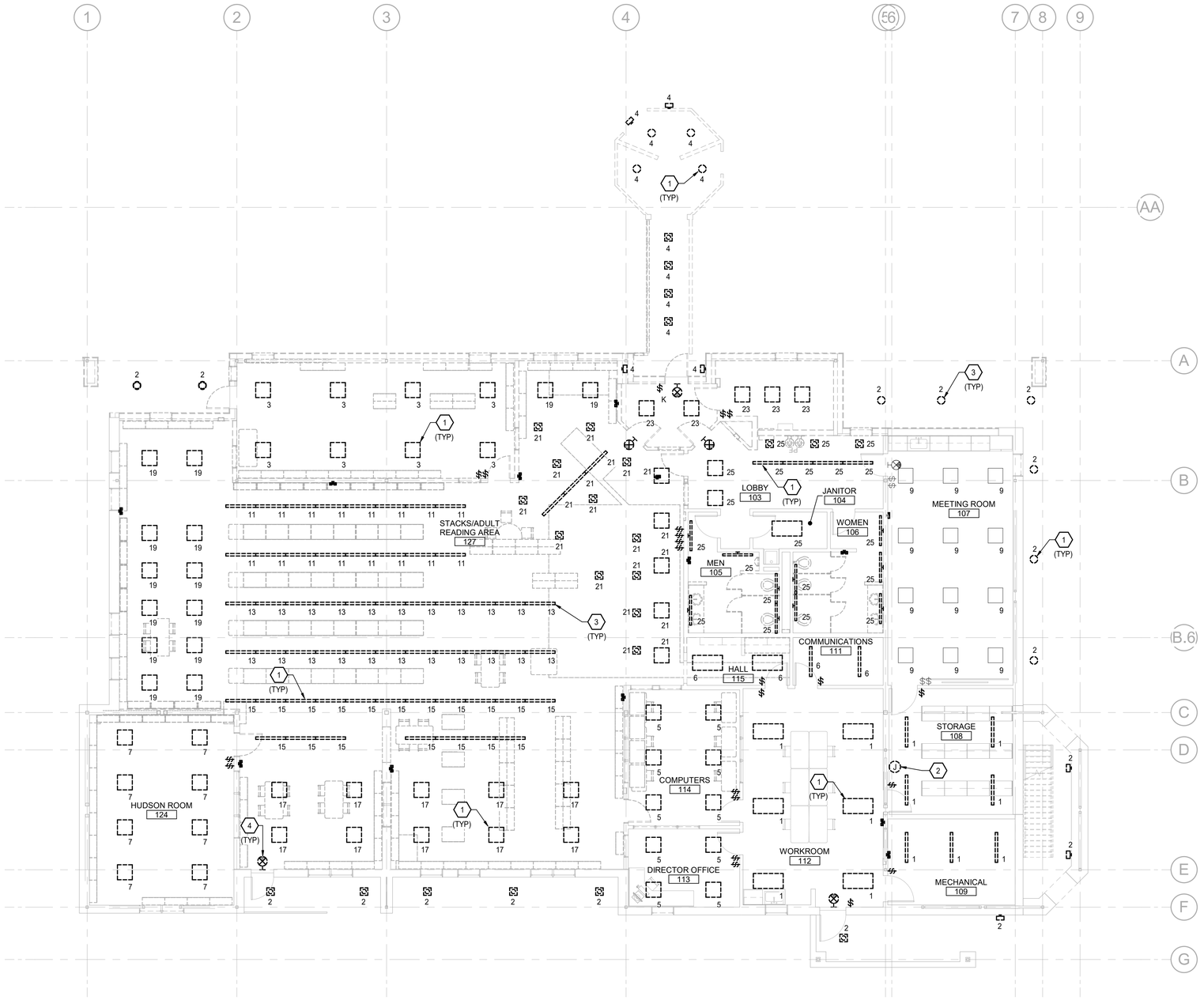
GENERAL NOTES

1. LIGHTING FIXTURES ARE SERVED FROM PANEL 1L, UON.

SHEET NOTES (#)

1. DEMOLISH LIGHTING FIXTURE AND ASSOCIATED CONDUCTORS BACK TO SOURCE PANEL. RETAIN EXISTING CONDUIT FOR NEW LIGHTING CIRCUITS PROVIDED IAW SHEET E2.1. DEMOLISH ABANDONED CONDUIT.
2. DEMOLISH EXISTING EXTERIOR LIGHTING CONTROL CONTACTOR.
3. CIRCUIT IDENTIFICATION. REFER TO SHEET E1.2 FOR LOCATIONS OF CIRCUIT PANELS.
4. DEMOLISH EXISTING TRITIUM SELF-LUMINOUS EXIT SIGNS AND DISPOSE OF PROPERLY.



1 E1.1 **DEMOLITION PLAN - LIGHTING**
Scale: 1/8" = 1'-0"

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DEMOLITION PLAN - LIGHTING

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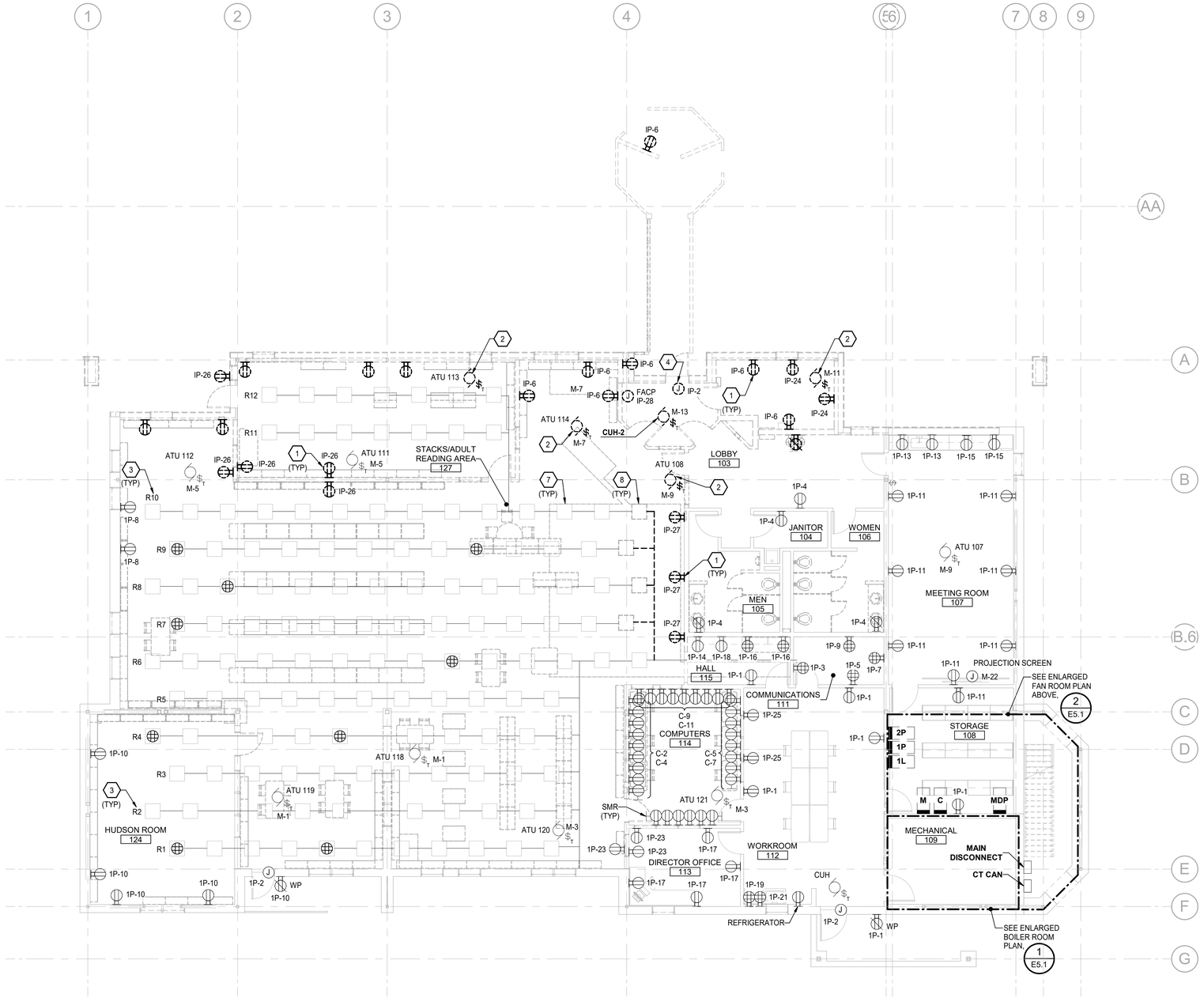
GENERAL NOTES

1. REFER TO PANEL SCHEDULES ON SHEET E0.2 FOR ADDITIONAL INFORMATION.

SHEET NOTES (#)

1. DEMOLISH RECEPTACLE AND ASSOCIATED JUNCTION BOX(ES) . DEMOLISH CONDUCTORS BACK TO SOURCE PANEL OR NEXT DEVICE TO REMAIN AND MAKE SAFE. RETAIN EXISTING CONDUIT FOR DEVICES PROVIDED IAW SHEET E2.2. DEMOLISH ABANDONED CONDUIT.
2. DEMOLISH CONNECTION TO MECHANICAL EQUIPMENT AND ASSOCIATED CONDUITS AND CONDUCTORS BACK TO LAST DEVICE TO REMAIN OR SOURCE PANELBOARD AND MAKE SPARE.
3. EXISTING H.H. ROBERTS TAPEMATE TRENCH DUCT FLOOR SYSTEM ROW IDENTIFICATION NUMBER.
4. DEMOLISH ACS DOOR CONNECTIONS. RETAIN BRANCH CIRCUIT FOR RESUSE.
5. NOT USED.
6. NOT USED.
7. LOCATION OF EXISTING UNDERFLOOR TAPEMATE PRESET INSERT BOX.
8. DEMOLISH UNDERFLOOR BOX AND ASSOCIATED UPSTREAM RACEWAY AS INDICATED BY LINETYPE TO ACCOMODATE NEW PLUMBING WORK IN THIS AREA. DEMOLISH ASSOCIATED CIRCUIT(S) BACK TO SOURCE PANELBOARD. RETAIN DOWNSTREAM RACEWAY AS REQUIRED FOR RECONNECTION IAW SHEET E3.1.



1 DEMOLITION PLAN - POWER

E1.2 Scale: 1/8" = 1'-0"

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DEMOLITION PLAN - POWER

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E1.2

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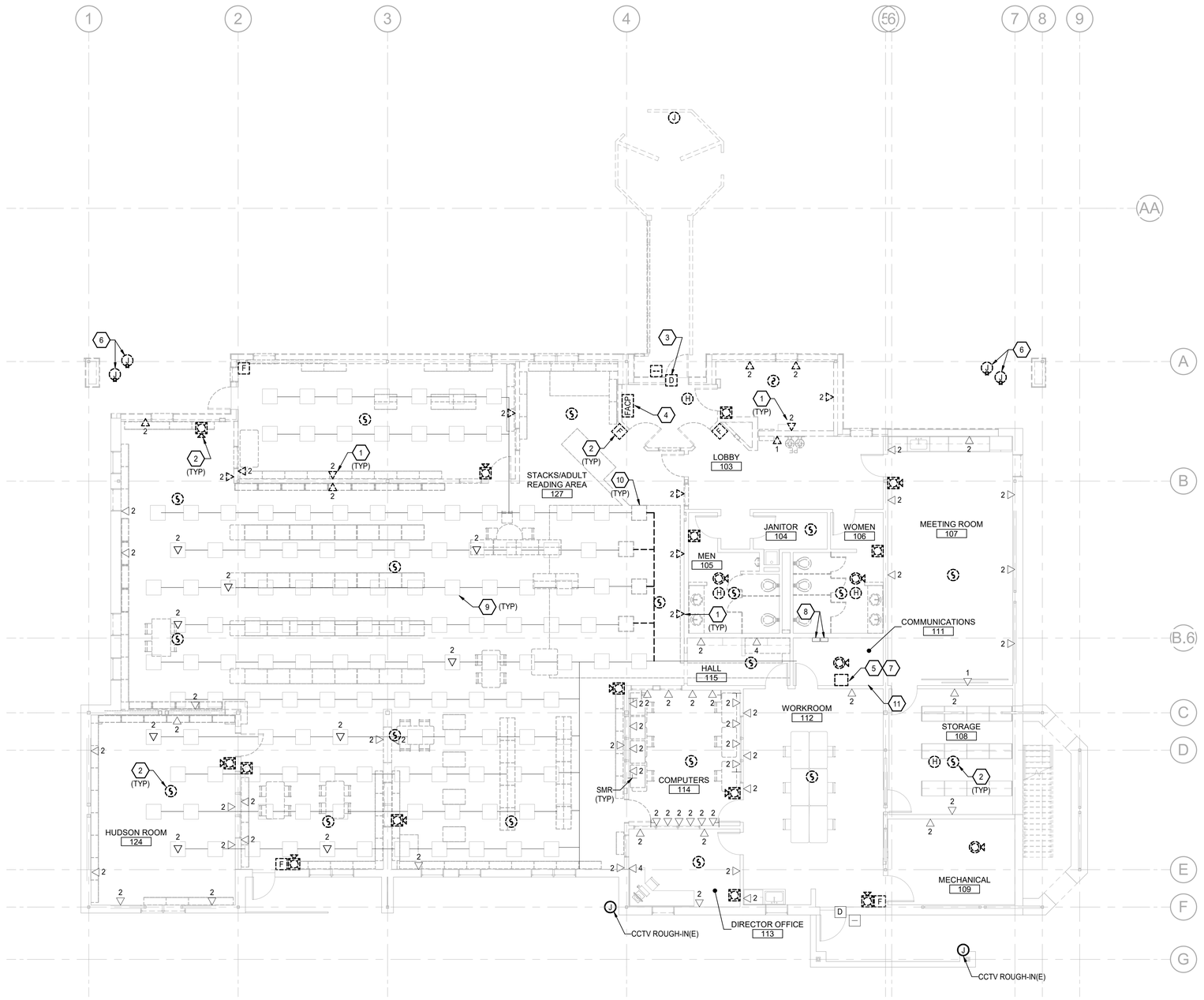
SHEET NOTES (#)

1. DEMOLISH TELECOM OUTLET AND ASSOCIATED JUNCTION BOX, AND CONDUITS BACK TO ACCESSIBLE CEILING SPACE. DEMOLISH CABLING BACK TO PATCH PANEL IN TELECOM ROOM 111.
2. DEMOLISH FA SYSTEM DEVICE AND ASSOCIATED CONDUITS AND CABLING BACK TO FACP.
3. DEMOLISH ACS DEVICE AND ASSOCIATED CONDUITS AND CONDUCTORS BACK TO DOOR CONTROL UNIT LOCATED IN COM RM 111.
4. DEMOLISH FACP AND ASSOCIATED CABLING BACK TO TELECOM ROOM 111. RETAIN CONDUITS FOR REUSE.
5. REMOVE TELECOM RACK AND ASSOCIATED EQUIPMENT. UNTERMINATE CABLING AND RETAIN FOR REINSTALLATION TO NEW TELECOM CABINET PROVIDED IAW SHEET E4.1.
6. DEMOLISH EXISTING ROUGH-IN JUNCTION BOX AND CONDUIT BACK TO ACCESSIBLE CEILING SPACE. CONDUITS MAY BE REUSED FOR CAMERAS PROVIDED IAW SHEET E4.1. DEMOLISH ABANDONED CONDUIT.
7. DEMOLISH ABANDONED PANASONIC TELEPHONE EQUIPMENT.
8. EXISTING STANLEY IWO WIRELESS ACCESS CONTROLLERS TO REMAIN. REFER TO SHEET E6.2 FOR ADDITIONAL INFORMAITON.
9. LOCATION OF EXISTING UNDERFLOOR TAPEMATE PRESET INSERT BOX.
10. DEMOLISH UNDERFLOOR BOX AND ASSOCIATED UPSTREAM RACEWAY AS INDICATED BY LINETYPE TO ACCOMMODATE NEW PLUMBING WORK IN THIS AREA. DEMOLISH ASSOCIATED TELECOM CABLING BACK TO PATCH PANEL. RETAIN DOWNSTREAM RACEWAY AS REQUIRED FOR RECONNECTION IAW SHEET E4.1.
11. DEMOLISH EXISTING WALL MOUNTED PATCH PANELS. RETAIN EXISTING TO REMAIN CABLING AND RE-TERMINATE IN PATCH PANELS PROVIDED IN WALL MOUNTED TELECOM RACK PROVIDED IAW SHEET E4.1.



1 E1.3 **DEMOLITION PLAN - SPECIAL SYSTEMS**
Scale: 1/8" = 1'-0"

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DEMOLITION PLAN - SPECIAL SYSTEMS

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E1.3

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GENERAL NOTES

1. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E0.2 FOR ADDITIONAL INFORMATION.

SHEET NOTES (#)

1. CONNECT FIXTURE TO LIGHTING CIRCUIT NOTED.
2. PROVIDE SITE LIGHTING CONTACTOR AND INTERIOR LIGHTING CONTROLLER IAW DETAILA 2 AND 4 ON SHEET E6.1.
3. BOLD LINE INDICATES LIGHTED SIDE(S) OF DIRECTIONAL GRADIENT LIGHTING FIXTURE. REFER TO LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION.
4. COORDINATE FINAL LOCATION AND ELEVATION WITH MECHANICAL EQUIPMENT AND DUCTING IN THIS ROOM. SUSPEND FIXTURES SUCH THAT BOTTOM OF FIXTURE IS SLIGHTLY BELOW BOTTOM OF ADJACENT MECHANICAL DUCTING.
5. PROVIDE nLIGHT WALL CONTROLLER IAW DETAIL 5 ON SHEET E6.1.
6. PROVIDE SWITCHES FOR CONTROL OF LIGHTING FIXTURES IAW DETAIL 3 ON SHEET E6.1.
7. PROVIDE EVENLITE EMS-55-LC-V3-TB EMERGENCY POWER INVERTER IN ACCESSIBLE CEILING SPACE FOR EXTERIOR EGRESS LIGHTING, CONNECT TO CIRCUIT NOTED.
8. CONNECT TO INVERTER PROVIDED IAW SHEET NOTE 7 IN ROOM NOTED.
9. PROVIDE RELAY PACKS AND NETWORK CONNECTIONS AS REQUIRED FOR CONTROL OF LIGHTING FIXTURES IN THIS AREA. LIGHTING FIXTURES SHALL SCHEDULED ON FROM THE HOURS OF 5:00AM TO 9:00PM, SCHEDULE TIMES TO BE CONFIRMED WITH OWNER.
10. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHTS OF TYPE R1, R2 AND G PENDANT FIXTURES.
11. WALL MOUNT FIXTURE AT 10'-0" AFF.

1 E2.1 **FLOOR PLAN -LIGHTING**
Scale: 1/8" = 1'-0"

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FLOOR PLAN - LIGHTING

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E2.1

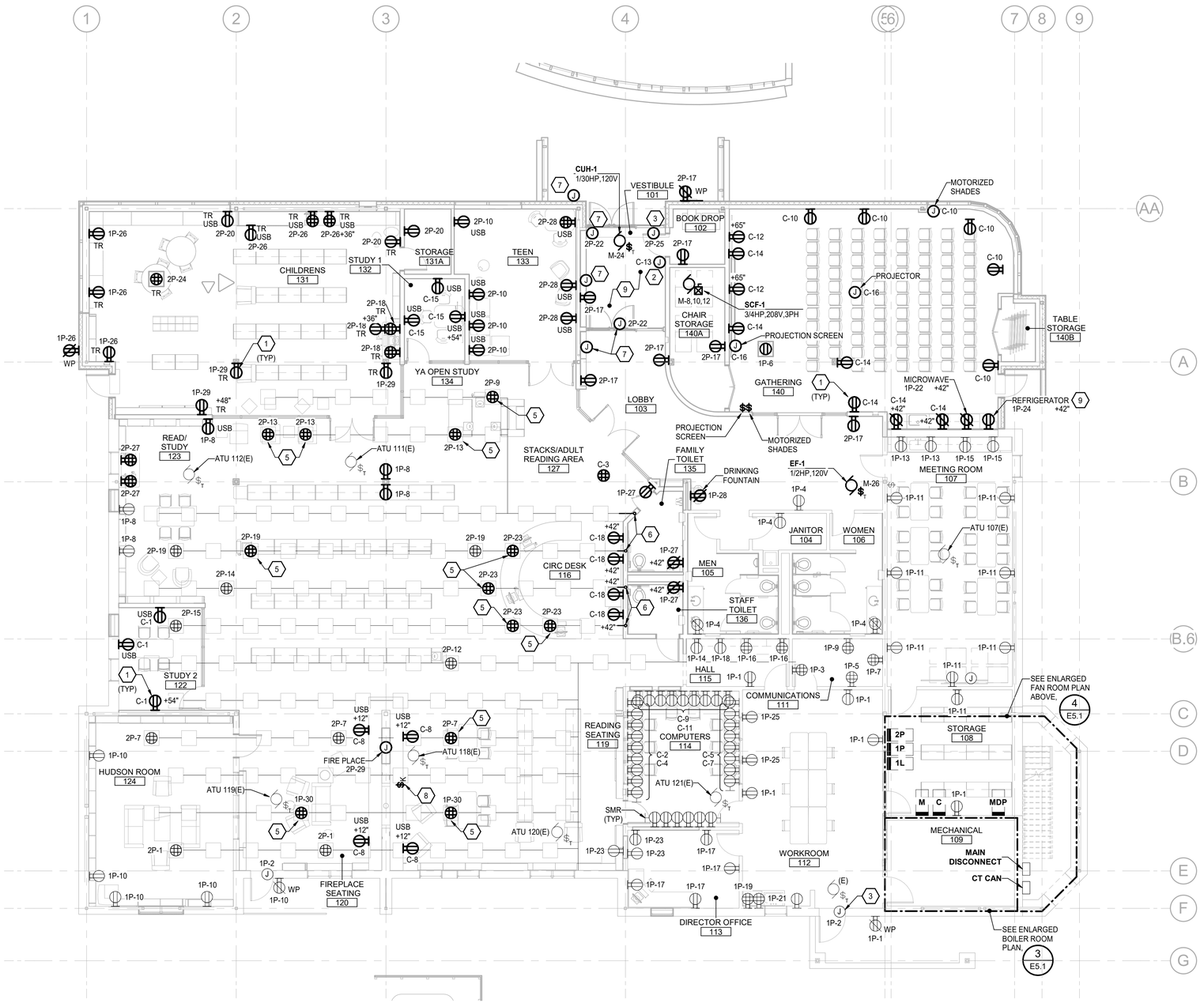
FULL SIZE PRINTED ON 22 x 34

GENERAL NOTES

1. REFER TO PANEL SCHEDULES ON SHEETS E0.2 AND E0.3 FOR ADDITIONAL INFORMATION.

SHEET NOTES (#)

1. PROVIDE RECEPTACLE AND CONNECT TO CIRCUIT NOTED.
2. CONNECT FACP TO CIRCUIT NOTED.
3. CONNECT ACS DOOR CONTROLLER POWER SUPPLY TO CIRCUIT NOTED.
4. NOT USED.
5. PROVIDE TAPMATE EASY ACCESS AFTERSET FLOOR OUTLETS WITH BRONZE COVER. PROVIDE REQUIRED PARTS AND MATERIALS REQUIRED FOR A COMPLETE AND FULLY FUNCTIONAL SYSTEM. VERIFY PART AND MODEL NUMBERS PRIOR TO PURCHASING.
6. PROVIDE 3/4 INCH CONDUIT FROM PANEL 2P TO UNDERFLOOR BOX/RACEWAY SYSTEM. ROUTE CONDUIT INSIDE NEW WALL. INTERCEPT, EXTEND, AND RECONNECT EXISTING CIRCUITS TO PANEL 2P .
7. PROVIDE CONNECTION TO AUTOMATIC DOOR OPERATOR AND PUSH BUTTONS IAW MANUFACTURER'S RECOMMENDATIONS, CIRCUIT AS NOTED.
8. PROVIDE KEYED SWITCH FOR CONTROL OF FIREPLACE. REPLACE SWITCH PROVIDED WITH FIREPLACE WITH KEYED SWITCH. COORDINATE EXACT LOACTION WITH OWNER PRIOR TO INSTALLATION.
9. CONNECT TO GFCI CIRCUIT BREAKER IN PANELBOARD, CIRCUIT AS NOTED.



1 E3.1 **FLOOR PLAN - POWER**
Scale: 1/8" = 1'-0"

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FLOOR PLAN - POWER

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E3.1

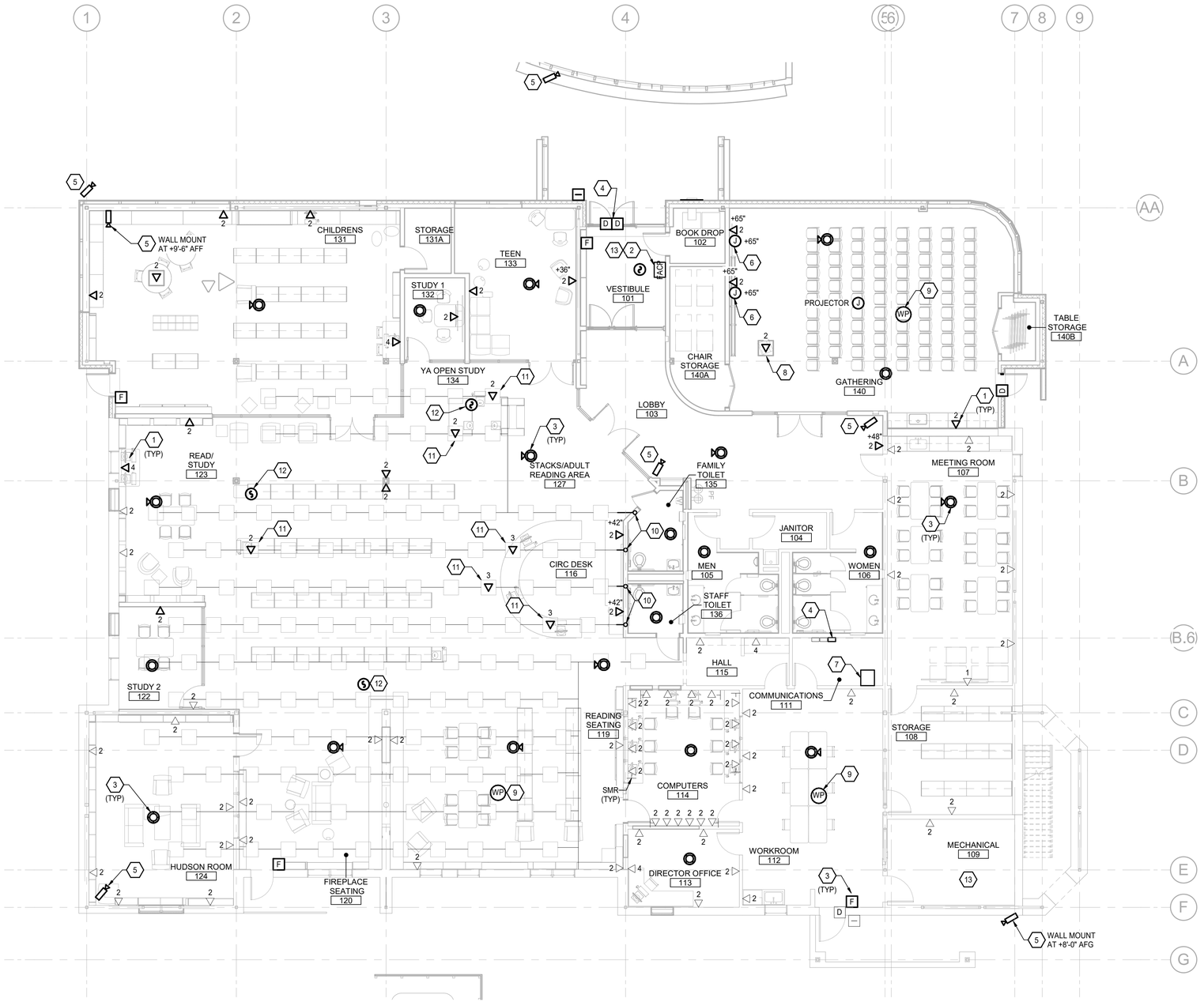
FULL SIZE PRINTED ON 22 x 34

GENERAL NOTES

1. REFER TO TELECOM ONE-LINE DIAGRAM ON SHEET E7.1 FOR ADDITIONAL INFORMATION.
2. CONTRACTOR TO PROVIDE A COMPLETE PUBLIC ANOUNCEMENT SYSTEM. REFER TO DETAIL 1 ON SHEET E6.2 FOR ADDITONAL INFORMATION.

SHEET NOTES (#)

1. PROVIDE TELECOM OUTLET AND ROUTE TELECOM HORIZONTAL CABLING TO PATCH PANEL IN TELECOM ROOM 111.
2. PROVIDE FACP IAW THE SPECIFICATIONS.
3. PROVIDE FA SYSTEM DEVICE AND CONNECT TO FACP.
4. PROVIDE ACS DOOR CONTROLLER AND DEVICES IAW DETAILS ON SHEET E6.2.
5. PROVIDE JUNCTION BOX, CONDUIT, AND CABLING FOR OFCI CCTV CAMERA. ROUTE CABLING TO PATCH PANEL IN COMMUNICATIONS ROOM 111. PROVIDE WEATHER PROOF JUNCTION BOX FOR EXTERIOR CAMERA. PROVIDE SIX FEET OF CABLING WITHIN JUNCTION BOX WITH MALE RJ-45 CONNECTOR.
6. PROVIDE GARVIN INDUSTRIES 6 INCH SQUARE BY 3-1/2 INCH DEEP JUNCTION BOX WITH 1-1/2 INCH SIDE KNOCKOUTS, OR APPROVED EQUAL. PROVIDE 1/2 INCH RAISED 6 INCH SQUARE DOUBLE GANG DEVICE COVER. PROVIDE 2@ 1-1/2 INCH CONDUITS FROM JUNCTION BOX INTO ACCESSIBLE CEILING SPACE.
7. PROVIDE WALL-MOUNT, DUAL HINGE (OPENS TO RIGHT OR LEFT) SWING GATE TELECOM RACK. CPI11790-725 OR APPROVED EQUAL. PROVIDE RACK-MOUNTED EQUIPMENT, CABLING, TERMINATIONS, ETC. IAW TELECOM ONE-LINE DIAGRAM ON SHEET E7.1. PROVIDE PATCH PANELS IN SUFFICIENT QUANTITIES TO TERMINATE NEW AND EXISTING TO REMAIN TELECOM CABLING.
8. PROVIDE 2@ 1-1/2 INCH CONDUITS FROM FLOOR BOX TO ACCESSIBLE CEILING SPACE.
9. PROVIDE TELECOM OUTLET IN ACCESSIBLE CEILING SPACE FOR CONNECTION TO OFCI WIRELESS ACCESS POINT.
10. PROVIDE 2@ 1 INCH CONDUITS FROM UNDERFLOOR DUCT AND STUB UP INTO ACCESSIBLE CEILING SPACE FOR ROUTING OF TELECOM CABLING TO FLOOR OUTLETS. ROUTE CONDUIT INSIDE NEW WALL.
11. PROVIDE TELECOM OUTLET IN EASY ACCESS FLOOR BOX PROVIDED IAW SHEET E3.1.
12. PROVIDE SMOKE DETECTOR AND CONNECT TO EXISTING PREACTION FIRE SYSTEM PANEL LOCATED IN MECHANICAL ROOM 109.
13. PROVIDE CONNECTION BETWEEN FACP AND EXISTING PREACTION FIRE SYSTEM PANEL.



1 FLOOR PLAN - SPECIAL SYSTEMS
E4.1 Scale: 1/8" = 1'-0"

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FLOOR PLAN - SPECIAL SYSTEMS

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E4.1

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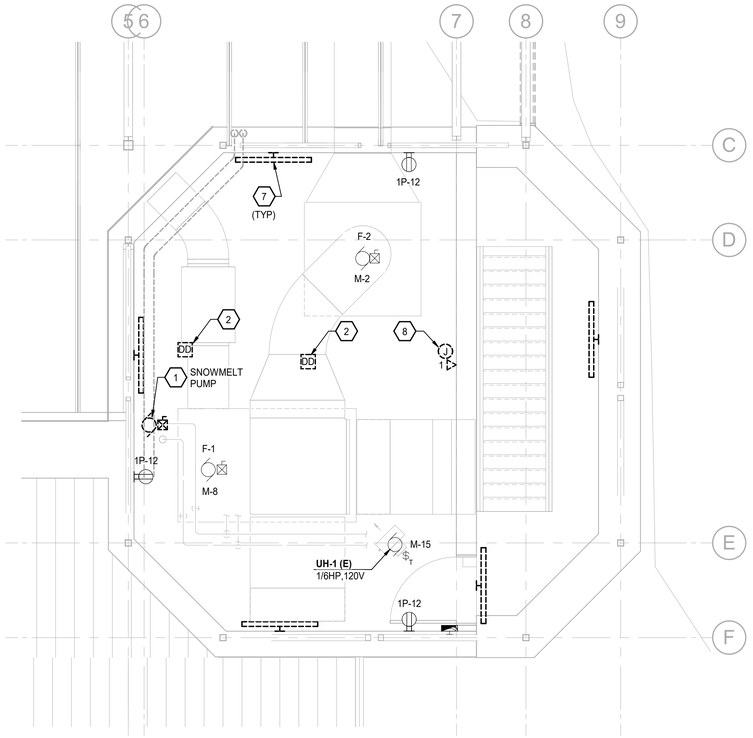
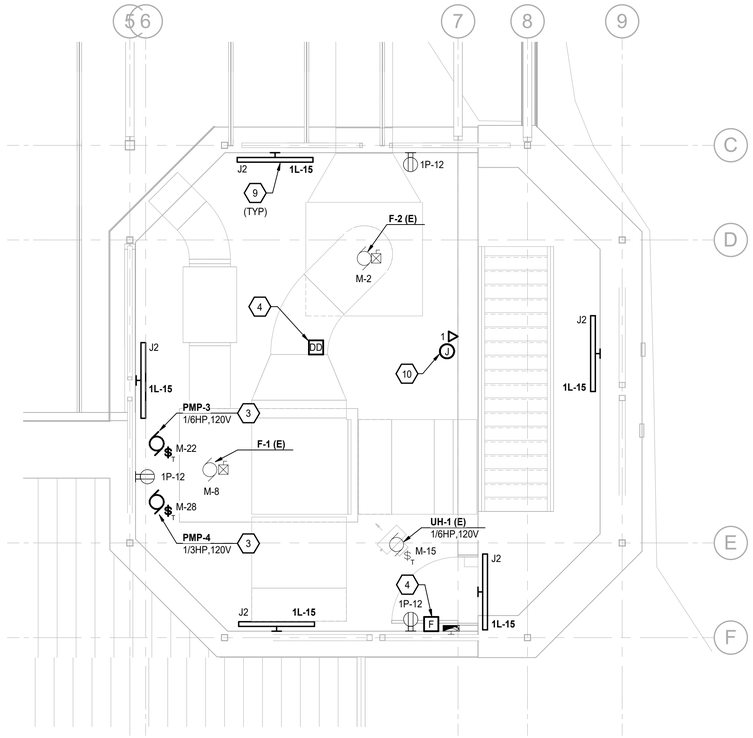


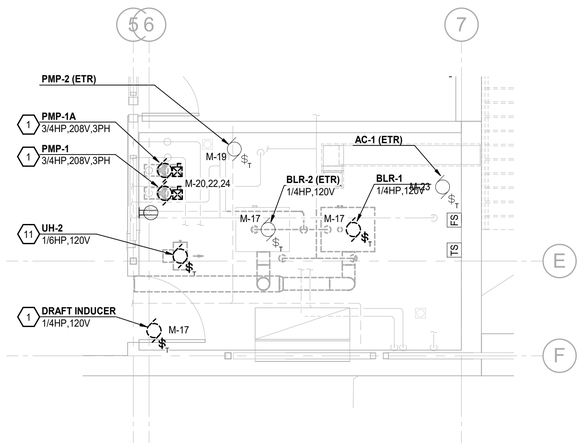
2 DEMOLITION PLAN - ENLARGED FAN ROOM

E5.1 Scale: 1/4" = 1'-0"



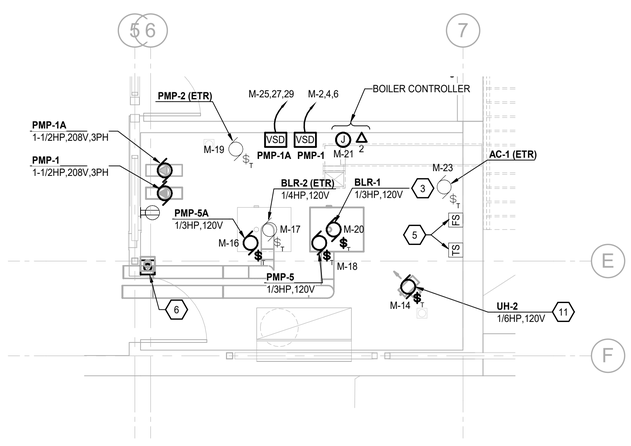
4 FLOOR PLAN - ENLARGED FAN ROOM

E5.1 Scale: 1/4" = 1'-0"



1 DEMOLITION PLAN - ENLARGED BOILER ROOM

E5.1 Scale: 1/4" = 1'-0"



3 FLOOR PLAN - ENLARGED BOILER ROOM

E5.1 Scale: 1/4" = 1'-0"

GENERAL NOTES

1. REFER TO PANEL SCHEDULES ON SHEET E0.2 AND E0.3 FOR ADDITIONAL INFORMATION.

SHEET NOTES (#)

1. DEMOLISH CONNECTION TO MECHANICAL EQUIPMENT. RETAIN CONDUITS AND CONDUCTORS FOR REUSE.
2. DEMOLISH FA SYSTEM DEVICE AND ASSOCIATED CONDUITS AND CABLING BACK TO FACP.
3. CONNECT MECHANICAL EQUIPMENT TO CIRCUIT NOTED.
4. PROVIDE FA SYSTEM DEVICE AND CONNECT TO FACP.
5. RECONNECT EXISTING FA SYSTEM DEVICE TO NEW FACP.
6. PROVIDE PUSHBUTTON FOR EMERGENCY SHUTDOWN OF BOILERS IAW DETAIL 1 ON SHEET E6.1.
7. DEMOLISH LIGHTING FIXTURE. RETAIN BRANCH CIRCUIT FOR REUSE.
8. DEMOLISH CONNECTION TO BAS PANEL. RETAIN BRANCH CIRCUIT FOR RESUSE.
9. CONNECT TO EXISTING LOCAL SWITCHED LIGHTING CIRCUIT.
10. CONNECT BAS PANEL TO EXISTING CIRCUIT.
11. RELOCATE EXISTING UNIT HEATER TO LOCATION INDICATED, INTERCEPT, EXTEND AND RECONNECT TO EXISTING CIRCUIT.

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ENLARGED FLOOR PLANS

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E5.1

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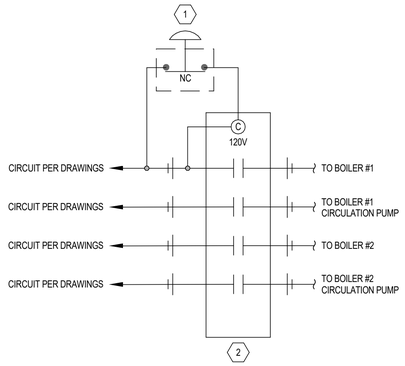
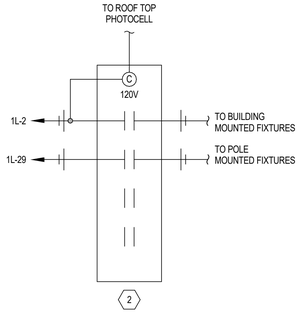


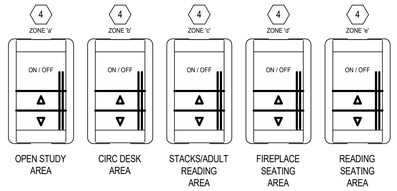
DETAIL - BOILER EMERGENCY SHUTDOWN SWITCH

1 / E6.1 SCALE: NONE



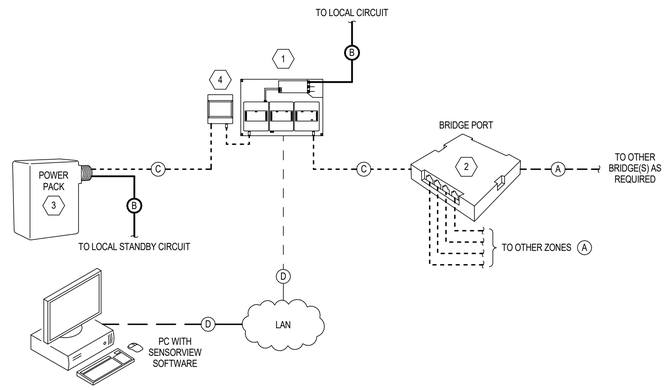
DETAIL - EXTERIOR LIGHTING CONTROL

2 / E6.1 SCALE: NONE



DETAIL - CIRCULATION DESK LIGHTING CONTROLS

3 / E6.1 SCALE: NONE



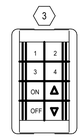
DETAIL NOTES	
1	PROVIDE ECLYPSE FOR LIGHTING SYSTEM CONTROL IN ELEC ROOM.
2	PROVIDE BRIDGE PORT IN ACCESSIBLE CEILING SPACE. CONNECT LIGHTING ZONES TO BRIDGE PORT.
3	PROVIDE POWER SUPPLY ACUITY FCS PS10 ECLYPSE AND CONTROLLER POWER.
4	PROVIDE GRAPHIC TOUCH SCREEN AND CONNECT TO ECLYPSE FOR EASY-TO-USE VIEW INTO THE NETWORK. FIELD LOCATE CONTROLLER IN ELEC ROOM.

WIRE LEGEND	
TYPE	DESCRIPTION
A	CAT 5 (LOW VOLTAGE)
B	POWER (LINE VOLTAGE)
C	CLASS 2 (LOW VOLTAGE)
D	ETHERNET LAN (LOW VOLTAGE)

DETAIL - NETWORK LIGHTING CONTROL

4 / E6.1 SCALE: NONE

LIGHTING SCENE SCHEDULE						
SCENE	DESCRIPTION	'a'	'b'	'c'	'd'	'e'
ON	ALL ON	100	100	100	100	100
OFF	ALL OFF	0	0	0	0	0
1	DIM TO HALF	50	50	50	50	50
2	PRESENTATION	0	50	50	0	50
3	CENTER	0	0	50	50	50
4	BACK	0	0	0	0	50



DETAIL - GATHERING 140

5 / E6.1 SCALE: NONE

SHEET NOTES

1. PROVIDE 2 POSITION PUSH-PULL, LED ILLUMINATED, RED KNOB WITH "PUSH EMERGENCY STOP" PRINTED ON KNOB, MUSHROOM TYPE BUTTON. SQUARE D MODEL #90D1KR9P1LRR05H2, FOR REMOTE SHUTDOWN OF AUTOMATICALLY FIRED BOILERS IAW ASME CSD-1-2009. PROVIDE FLIP UP POLYCARBONATE COVER SUCH THAT LIFTING UP ON THE COVER WILL GAIN ACCESS TO EMERGENCY SHUT DOWN BUTTON. PROVIDE LABEL TO READ "BOILER EMERGENCY SHUTDOWN". COORDINATE CONTROL SEQUENCE WITH DIVISION 20.
2. PROVIDE SQUARE D ELECTRICALLY HELD CONTACTOR, 4 POLE, 20AMP, 120V, WITH HAND-OFF-AUTO SWITCH AND ON/OFF PILOT LIGHTS. LOCATE LIGHTING CONTACTOR IN STORAGE ROOM 108. PROVIDE ENGRAVED NAMEPLATE ON CONTACTOR, "LIGHTING". LOCATE BOILER SHUTDOWN CONTACTOR IN MECHANICAL ROOM 109. PROVIDE ENGRAVED NAMEPLATE ON CONTACTOR, "BOILER EMERGENCY SHUTDOWN".
3. PROVIDE SCENE CONTROLLER TO CONTROL LIGHTING IN GATHERING ROOM. SCENE CONTROL SHALL BE PROGRAMMED/CONFIGURED TO TURN ON/OFF AND DIM LIGHTING FIXTURES TO LEVELS INDICATED IN ACCORDANCE WITH THE LIGHTING SCENE SCHEDULE.
4. PROVIDE WALLPOD TO CONTROL LIGHTING IN LIBRARY STACKS, STUDY, OR READING AREAS AS INDICATED BY ZONE ID. REFER TO LIGHTING FLOOR PLAN FOR ZONING.

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E6.1

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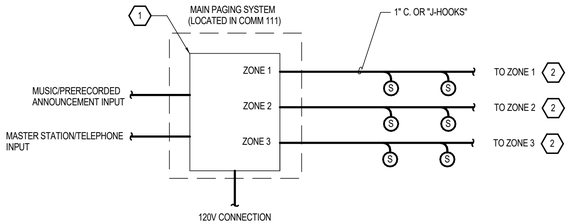


1 E6.2 DETAIL - PUBLIC ANNOUNCEMENT DIAGRAM

SCALE: NONE

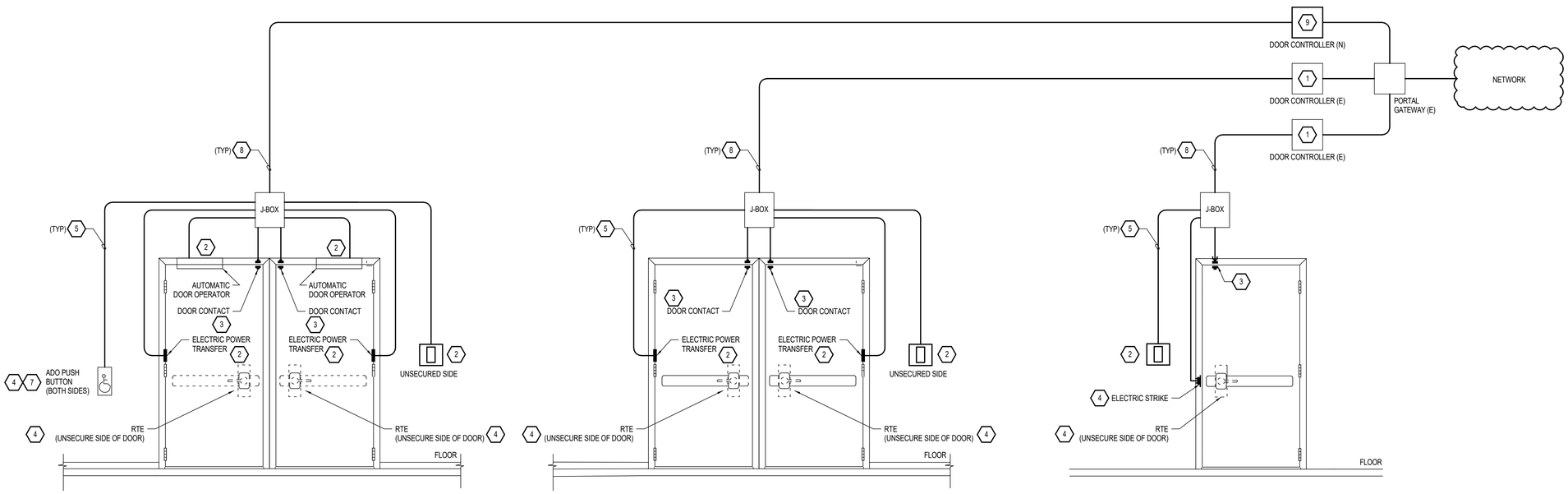
DETAIL NOTES (#)

1. PROVIDE A COMPLETE AND FULLY FUNCTIONING PUBLIC ANNOUNCEMENT SYSTEM WITH ALL REQUIRED AMPLIFIERS, SPEAKERS, CABLING, EQUIPMENT, DEVICE AND APPURTENANCES.

   SYSTEM SHALL BE CAPABLE OF SUPPORTING QUANTITY OF ZONES INDICATED AT A MINIMUM. USER SHALL BE CAPABLE OF SELECTING INDIVIDUAL OR GROUPED ZONES AND BE CAPABLE OF ADDRESSING ALL ZONES SIMULTANEOUSLY.

   SPEAKER QUANTITIES INDICATED ARE DIAGRAMMATIC ONLY. CONTRACTOR IS RESPONSIBLE FOR PROVIDING SPEAKERS IN QUANTITIES AND ARRANGEMENTS THAT GUARANTEE AUDIBLE INTELLIGIBILITY AT ANY LOCATION.

   SYSTEM SHALL BE CONFIGURED TO ALLOW USER TO MAKE ANNOUNCEMENTS AND SELECT DESIRED ZONES AT CIRCULATION DESK. THIS CAN BE ACCOMPLISHED THROUGH A MASTER STATION WITH ZONE SELECTION CONTROL, OR THROUGH INTEGRATION WITH EXISTING VOIP PHONE SYSTEM. CONTRACTOR IS RESPONSIBLE FOR COMPLETE INTEGRATION WITH EXISTING VOIP SYSTEM.
2. COORDINATE ZONES WITH OWNER.



2 E6.2 DETAIL - DOUBLE DOOR WITH OPERATOR

SCALE: NONE

3 E6.2 DETAIL - DOUBLE DOOR

SCALE: NONE

4 E6.2 DETAIL - SINGLE DOOR

SCALE: NONE

1. RETAIN EXISTING DOOR CONTROLLER. PROVIDE NEW CABLING AND CONDUIT BETWEEN NEW DOOR HARDWARE AND EXISTING DOOR CONTROLLER RETAINED FOR REUSE.
2. PROVIDE CARD READER ON SECURE SIDE OF DOOR . REFER TO THE SPECIAL SYSTEM FLOOR PLANS FOR CARD READER LOCATIONS.
3. PROVIDE MAGNETIC DOOR CONTACT (BMS). CONNECT TO DOOR CONTROLLER IAW THE MANUFACTURER'S INSTRUCTIONS.
4. DOOR HARDWARE PROVIDED UNDER DIVISION 8 IAW THE ARCHITECTURAL DRAWINGS AND SPECIFICATIONS . COORDINATE WITH DIVISION 8 TO DETERMINE SCOPE OF WORK AT EACH DOOR AS IT RELATES TO CONNECTION TO AND PROGRAMMING OF THE ACCESS CONTROL SYSTEM.
5. ROUTE CONDUIT CONCEALED IN ACCESSIBLE CEILING SPACE, WALL, OR DOOR FRAME AS APPROPRIATE.
6. PROVIDE FIRE ALARM CONTROL RELAY MODULE TO UNLOCK EMERGENCY EXIT/EGRESS DOORS. LOCATE RELAY WITHIN 36 INCHES OF DEVICE CONTROLLED. REFER TO ARCHITECTURAL AND EMERGENCY EGRESS DRAWINGS AND DIVISION 8 FOR ADDITIONAL INFORMATION AND LOCATIONS OF DOORS REQUIRING FIRE ALARM SYSTEM INTEGRATION.
7. REFER TO THE POWER FLOOR PLANS FOR LOCATIONS OF DOORS REQUIRING 120V CONNECTION TO AUTOMATIC DOOR OPERATORS. INTERFACE DOOR OPERATORS POWER WITH THE FIRE ALARM SYSTEM SUCH THAT DOORS CLOSE UPON FIRE ALARM SYSTEM ALARM. PROVIDE ALL REQUIRED FIRE ALARM SYSTEM ADDRESSABLE RELAYS, ENCLOSURES, PROGRAMMING ETC. COORDINATE EXACT LOCATIONS AND REQUIREMENTS WITH DIVISION 8.
8. HORIZONTAL PATHWAYS SHOWN ARE DIAGRAMMATIC REPRESENTATIONS OF TYPICAL PATHWAY CONFIGURATIONS. PROVIDE TELECOM CABLE(S) PER SPECIFICATIONS ROUTED DIRECTLY TO TELECOM ROOM VIA CONCEALED CONDUIT OR VIA J-HOOKS IN ACCESSIBLE CEILING SPACE.
9. PROVIDE NEW DOOR CONTROLLER. PROVIDE NEW CABLING AND CONDUIT BETWEEN NEW DOOR HARDWARE AND EXISTING DOOR CONTROLLER RETAINED FOR REUSE.

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E6.2

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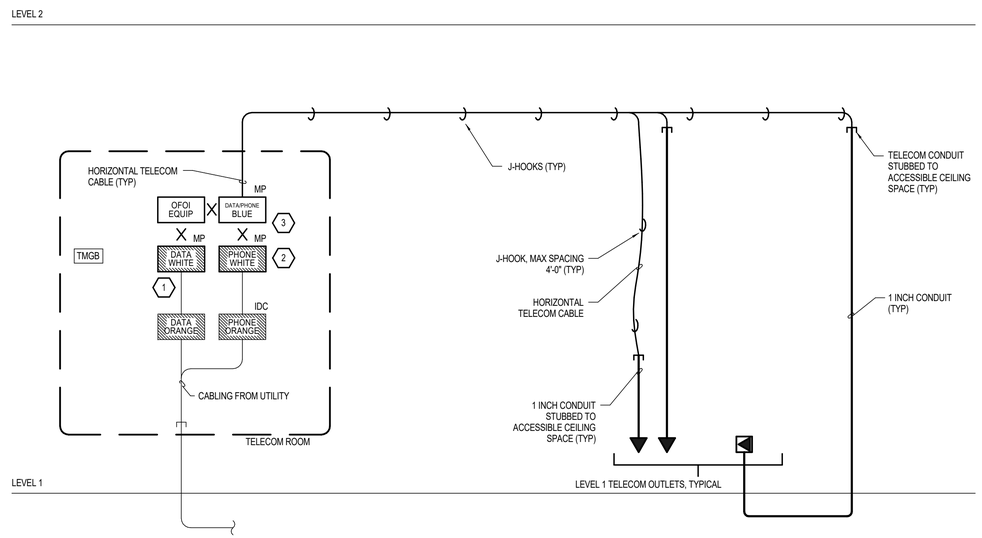


1 E7.1 TELECOM ONE-LINE DIAGRAM

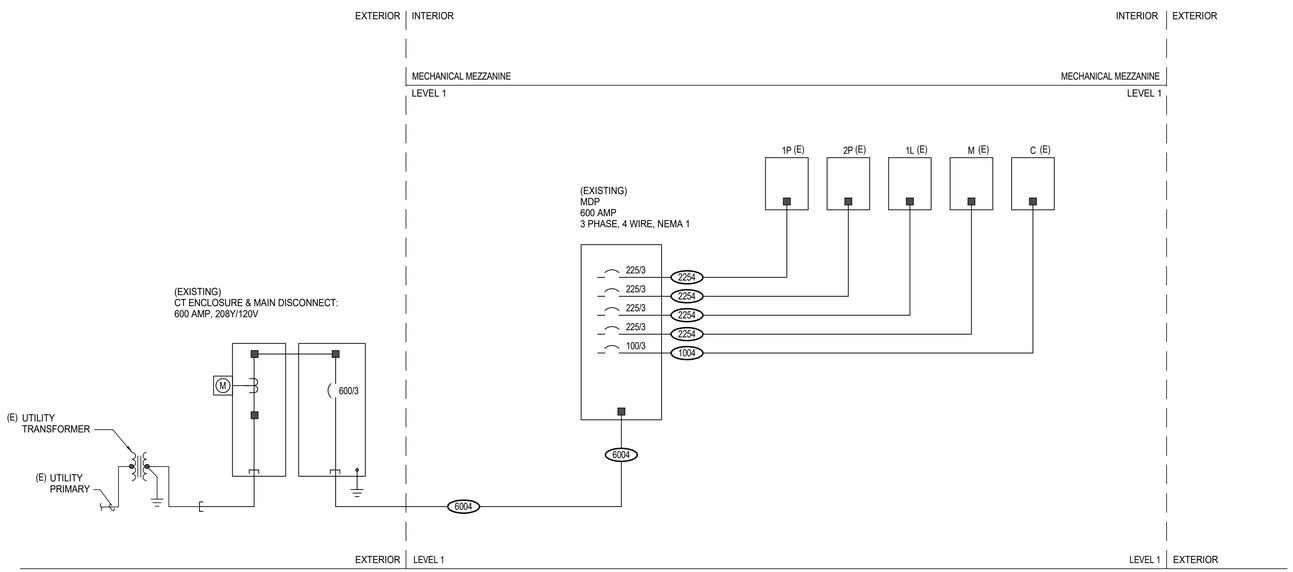
SCALE: NONE

LEGEND

LEC	LOCAL EXCHANGE CARRIER (TELEPHONE COMPANY)
X	CROSS-CONNECT
TBB	TELECOMMUNICATION BONDING BACKBONE
OF	OPTICAL FIBER CABLE
MP	MODULAR PATCH PANEL
IDC	INSULATION DISPLACEMENT CONNECTOR BLOCK
TMGB	TELECOMMUNICATIONS MAIN GROUNDING BUSBAR
PHONE (COLOR)	TELEPHONE CONNECTING HARDWARE (110 BLOCKS) LABEL COLOR AS INDICATED QUANTITY TO MATCH CONNECTED CABLES
DATA/PHONE (COLOR)	DATA/TELEPHONE CONNECTING HARDWARE LABEL COLOR AS INDICATED QUANTITY TO MATCH CONNECTED CABLES
DATA (COLOR)	DATA CONNECTING HARDWARE LABEL COLOR AS INDICATED QUANTITY TO MATCH CONNECTED CABLES

SHEET NOTES (#)

1. PROVIDE RACK MOUNTED PATCH PANELS. PROVIDE PATCH PANELS IN SUFFICIENT QUANTITY TO TERMINATE EXISTING NUMBER OF COPPER DATA BACKBONE PAIRS.
2. PROVIDE RACK MOUNTED PATCH PANELS. PROVIDE PATCH PANELS IN SUFFICIENT QUANTITY TO TERMINATE EXISTING NUMBER OF COPPER VOICE BACKBONE PAIRS.
3. DEMOLISH EXISTING WALL MOUNTED HORIZONTAL TELECOM CABLE PATCH PANELS. PROVIDE RACK MOUNTED HORIZONTAL TELECOM CABLE PATCH PANELS. PROVIDE PATCH PANELS IN SUFFICIENT QUANTITY TO TERMINATE EXISTING AND NEW HORIZONTAL TELECOM CABLES PLUS 25 PERCENT SPARE AND TERMINATE CABLING ON PATCH PANELS.



2 E7.1 EXISTING POWER ONE-LINE DIAGRAM (REFERENCE ONLY)

SCALE: NONE

FEEDER SCHEDULE

TAG	EQUIPMENT	FEEDER	ESTIMATED LENGTH
1004			
1004	C	1-1/4"C, 3#2, #2N, #8G	18'
			18'
2254			
2254	M	2-1/2"C, 3-4/0, 4/0N, #4G	20'
2254	1L	2-1/2"C, 3-4/0, 4/0N, #4G	32'
2254	1P	2-1/2"C, 3-4/0, 4/0N, #4G	34'
2254	2P	2-1/2"C, 3-4/0, 4/0N, #4G	36'
			121'
6004			
6004	MDP	(2)3"C, 3-350kcmil, 350kcmil N, #1G	20'
6004	MAIN DISCONNECT	(2)3"C, 3-350kcmil, 350kcmil N, #2G	49'
			70'

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ONE-LINE DIAGRAMS

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