SYMBOLS

DRAWING TITLE
1 floor plan
SCALE |1/4" = 1'-0"
DETAIL NUMBER
DETAIL TITLE
DETAIL SCALE

SECTION
1
A101
SIM
SECTION I.D. NUMBER
NOTE (IF APPLICABLE)
SHEET WHERE SECTION IS LOCATED

DETAIL (ENLARGED)
1
A101
SIM
DETAIL I.D. NUMBER
SHEET WHERE DETAIL IS LOCATED
NOTE (IF APPLICABLE)
AREA TO BE ENLARGED

ELEVATION
1
A101
SIM
ELEVATION I.D. NUMBER
SHEET WHERE ELEVATION IS LOCATED

ROOM
ROOM NAME
101
ROOM NAME
ROOM NUMBER

DOOR NUMBER
101
DOOR NUMBER

WINDOW
1t
WINDOW IDENTIFICATION

FINISH
ACM-1
FINISH IDENTIFICATION

KEYED NOTES
##.##
KEYED NOTE DESIGNATION

REVISIONS
1
REVISION AREA
REVISION DESIGNATION

NEW DOOR

EXISTING DOOR

ELEVATION HEIGHT
100'-0"
T.O.S.
ELEVATION HEIGHT
ELEVATION REFERENCE

COLUMN LINE
0

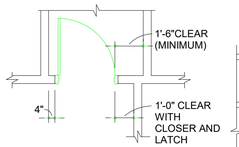
CEILING SYMBOLS

- 2' x 4' ACOUSTICAL CEILING
- 2' x 2' ACOUSTICAL CEILING
- GYPSUM BOARD CEILING
- EXPOSED STRUCTURE
- FULL HEIGHT WALL
- 2' x 4' RECESSED LIGHTING FIXTURE
- RECESSED LIGHTING FIXTURE (CENTER IN CEILING GRID SPACE)
- DIR. LIGHTING FIXTURE (CENTER IN CEILING GRID SPACE)
- SUPPLY GRILLE
- RETURN GRILLE
- SURFACE MOUNTED 4' LIGHTING FIXTURE

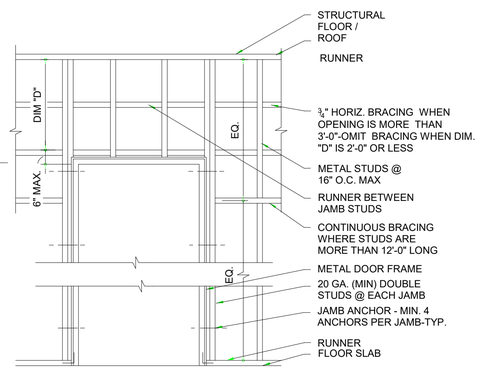
MATERIAL INDICATIONS

- STRUCTURAL WOOD
- FINISHED WOOD
- PLYWOOD
- STEEL OR METAL
- CERAMIC TILE
- CEMENT, STUCCO, PLASTER, OR STONE
- RIGID INSULATION
- BATT, BLANKET, OR LOOSE FILL INSULATION
- SPRAY-APPLIED INSULATION
- GRANULAR/GRAVEL FILL
- FACE BRICK
- ACOUSTICAL TILE
- CARPET
- METAL (GREATER THAN 1" = 1'-0" SCALE)
- METAL (LESS THAN 1" = 1'-0" SCALE)
- GLASS BLOCK
- CONCRETE MASONRY UNIT (CMU)
- EARTH
- CONCRETE (SECTION)
- WALL PROTECTION

TYPICAL PLAN AND WALL DETAILS



DOOR LOCATION DETAIL
SCALE: N.T.S.



DOOR FRAMING DETAIL
N.T.S.

REF. USG GYPSUM CONTRUCTION HANDBOOK

WALL TYPES

- EXISTING PARTITION
- STUD/ BRICK VENEER
- CMU / BRICK VENEER
- CMU
- STUD PARTITION

GENERAL NOTES

A. CONTRACTOR IS RESPONSIBLE FOR VARIATIONS IN EQUIPMENT SIZES, LOUVER OPENINGS, ETC. TO ACCOMMODATE ANY VARIATIONS IN EQUIPMENT BID. SEE SPECIFICATIONS AND DRAWINGS FOR BASIS OF DESIGN. THIS INCLUDES ANY VARIATIONS IN STRUCTURAL REQUIREMENTS TO ACCOMMODATE EQUIPMENT.

B. ALL INTERIOR DIMENSIONS ARE TO FINISH FACE UNLESS NOTED OTHERWISE.

C. CONTRACTOR'S BID SHALL INCLUDE THE GREATEST QUANTITY AND QUALITY OF ALL ITEMS AND ASSEMBLIES FOR A COMPLETE AND FULLY OPERATIONAL PROJECT IN ACCORDANCE WITH OWNERS, ARCHITECTS, AND GOVERNING AUTHORITY REQUIREMENTS.

D. CONTRACTOR SHALL PROPERLY PLAN AND EXECUTE WORK RELATIVE TO AND IN CONSIDERATION OF WORK TO BE PERFORMED BY OTHERS IN ORDER TO MITIGATE ALL IMPACTING ISSUES AND CONFLICTS. NO EXTRA COSTS FOR THE LACK OF PROPER PLANNING AND EXECUTION WILL BE PERMITTED.

E. INDOOR AIR QUALITY (IAQ) TESTING TO BE PROVIDED AND MONITORED BY GENERAL CONTRACTOR.

F. ALL WALS TO EXTEND TO BOTTOM OF STRUCTURAL DECK UNLESS NOTED OTHERWISE.

G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CLEAN UP AFTER THE WORK IS COMPLETE AND PRIOR TO THE FINAL ACCEPTANCE BY THE OWNER. ANY AREA OF THE SITE OUTSIDE THE ARE OF WORK THAT HAS BEEN DAMAGED BY THE CONTRACTOR DURING THE COURSE OF WORK SHALL BE REPAIRED PRIOR TO FINAL ACCEPTANCE BY OWNER.

H. ALL CONTRACTORS SHALL BE RESPONSIBLE FOR REVIEWING THE CONTRACT DOCUMENTS WHICH INCLUDES BUT IS NOT LIMITED TO THE PLANS, SPECIFICATIONS, AND THE ADDENDA. THE CONTRACT DOCUMENTS ARE COMPLIMENTARY AND WHAT IS REQUIRED BY ONE SHALL BE BINDING AS IF REQUIRED BY ALL.

I. NO CHANGES TO THE WORK SHALL OCCUR DURING THE COURSE OF WORK WITHOUT THE WRITTEN CONSENT OF THE ARCHITECT, CONSTRUCTION MANAGER, OR OWNER.

ABBREVIATIONS

&	AND
∠	ANGLE
@	AT
℄	CENTERLINE
⌀	DIAMETER OR ROUND
▯	SQUARE
#	POUND OR NUMBER
A#	AIR WITH NUMBER OF VALVES INDICATED
A/C	AIR CONDITIONING
ABI	ADDITIONAL BID ITEM
ACOUS	ACOUSTICAL
ACC	ACCESSIBLE
ACT	ACOUSTICAL CEILING TILE
AD	AREA DRAIN
ADD'L	ADDITIONAL
AED	AUTOMATED EXTERNAL DEFIBRILLATOR
ADJ.	ADJUSTABLE or ADJACENT
A.F.F.	ABOVE FINISHED FLOOR
AGGR	AGGREGATE
AL or ALUM	ALUMINUM
ALT	ALTERNATE
ANOD	ANODIZED
APROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ASB	ASBESTOS
ASC	ACID STORAGE CABINET
ASPH	ASPHALT
AUTO	AUTOMATIC
BBD	BULLETIN BOARD
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLK'G	BLOCKING
BM	BEAM
BOT	BOTTOM
BRG	BEARING
BRZ	BRONZE
BSMT	BASEMENT
BSC	BIOSAFETY CABINET
C.	COURSES
CAB	CABINET
C.B.	CATCH BASIN or CHALKBOARD
CEM	CEMENT
CER	CERAMIC
CG	CORNER GUARD
CHAM	CHAMFER
CHK. BD.	CHALK BOARD
C.I.	CAST IRON
C.J.	CONTROL JOINT
C.L.	CENTER LINE
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
COMB	COMBINATION
COMPT	COMPARTMENT
CONC	CONCRETE
CONF	CONFERENCE
CONN	CONNECTION
CONST	CONSTRUCTION
CONT	CONTINUOUS
COORD	COORDINATE
CORR	CORRIDOR
CP	CLOSURE PANEL OR FINISHED PANEL
CS	CUPSINK, SEE SPECIFICATIONS FOR SIZE
CSMT	CASEMENT
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSUNK
CW	COLD WATER
D	DATA
D.A.	DOOR ACTUATOR
DBL	DOUBLE
DEPT	DEPARTMENT
DEPART	DEPARTURE
DET	DETAIL
DF	DRINKING FOUNTAIN
DI	DIONIZED WATER
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DISP	DISPENSER
DIV	DIVISION
DN	DOWN
D.O.	DOOR OPENING
DR	DRYING RACK or DOOR
DS	DOWN SPOUT
DSP	DRY STANDPIPE
DW	DUMBWAITER
DWR	DRAWER
DWG	DRAWING (S)
E	EAST OR ELECTRIC OUTLET, COORDINATE WITH ELECTRICAL CONTRACTOR
EA	EACH
E.C.C.	ENVIRONMENTAL CONTROL CHAMBER
EJ	EXPANSION JOINT
EL or ELEV	ELEVATION or ELEVATOR
ELEC	ELECTRICAL
EMER	EMERGENCY
ENCL	ENCLOSURE
ENLRG'D	ENLARGED
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
ES	EMERGENCY SHOWER STATION BY PLUMBING CONTRACTOR
EW	EMERGENCY EYEWASH BY PLUMBING CONTRACTOR
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EX or EXIST	EXISTING
EXPO	EXPOSED
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FAK	FIRST AID KIT
FB	FIRE BLANKET or FLAT BAR
FBD	FIREBOARD
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FGL	FIBERGLASS
FH	FUME HOOD
FHC	FIRE HOSE CABINET
FHR	FIRE HOSE RACK
FHS	FIRE HOSE STATION
FIN	FINISH
FL or FLR	FLOOR
FLASH	FLASHING
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
FO	FACE OF
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY (CMU)
FOS	FACE OF STUDS
FP	FIREPOOF
FR(T)	FIRE RETARDANT (TREATED)
FS	FILLER STRIP or FULL SIZE
FSC	FLAMMABLE STORAGE CABINET
FT	FOOT OR FEET
FTG	FOOTING
FURR	FURRING
FUT	FUTURE
FV	FIELD VERIFY
G#	GAS COCK WITH NUMBER OF VALVES INDICATED
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GL	GLASS or GRID LINE
GND	GROUND
GR	GUARD RAIL or GROUND
GT	GROUT
GYP	GYPSUM
HB	HOSE BIBB
HBD	HARDBOARD
HC	HOLLOW CORE
HD	HEAVY DUTY
HDR	HEADER
HDWD	HARDWOOD
HDWE	HARDWARE
HEX	HEXAGON
HGT	HEIGHT
HM	HOLLOW METAL
HORZ	HORIZONTAL
HR	HOUR
HTG	HEATING
HVAC	HEATING / VENTILATION / AIR CONDITIONING
HW	HOT WATER
ICU	INTENSIVE CARE UNIT
ID	INSIDE DIAMETER (DIM)
INSUL	INSULATION
INT	INTERIOR
ISO	ISOMETRIC
JAN	JANITOR
JC	JANITOR'S CLOSET
JT	JOINT
KIT	KITCHEN
KPL	KICKPLATE
KS	KNEE SPACE
L	LEFT
LAB	LABORATORY
LAM	LAMINATE
LAV	LAVATORY
LH	LEFT HAND
LKR	LOCKER
LOC	LOCATION
LLD	LEAD LINED DOOR
LT	LIGHT
LTD	LIMITED
LTL	LINTEL
LVL	LEVEL
LVR	LOUVER
M	METER
MACH	MACHINE
MAINT	MAINTENANCE
MACH	MACHINE
MAS	MASONRY
MAX	MAXIMUM
MM	MILLIMETER
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MIR	MIRROR
MISC	MISCELLANEOUS
MLD	MOLDING
MO	MASONRY OPENING
MOD	MODIULAR or MODIFY (IED)
MOV	MOVABLE
MT	MOUNT
MTL or MET	METAL
MTD	MOUNTED
MUL	MULLION
MWK	MILLWORK
N	NORTH
NAT	NATURAL
NI	NICKEL
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NON COM	NON-COMBUSTABLE
NTS	NOT TO SCALE
O/	OVER
OA	OVERALL
OC	ON CENTER
OD	OUSIDE DIAMETER (DIA)
OFF	OFFICE
OH	OVERHEAD
OPH	OPPOSITE HAND
OPN'S	OPENING
OPP	OPOSITE
OPS	OPPOSITE SURFACE
PRCST	PRE CAST
PB	PANIC BAR
PBD	PARTICLE BOARD
PCF	POUNDS PER CUBIC FOOT
PERF	PERFORATE (D)
PERI	PERIMETER
PG	PLATE GLASS
PL	PLATE
PLF	POUNDS PER LINEAL FOOT
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLYWD	PLYWOOD
PNL	PANEL
PORT	PORTABLE
PPG	POLISHED PLATE GLASS
PR	PAIR
PS	PULL SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PT	POINT or PRESSURE TREATED
PTD/PTR	PAPER TOWEL DISPENSER/RECEPTICAL
PTN	PARTITION
R	RIGHT
RA	RETURN AIR
RAD	RADIUS
RB	RUBBER BASE
RCP	REFLECTED CEILING PLAN
RD	ROOF DRAIN
RECEP	RECEPTACLE
RECEPT	RECEPTIONIST
REF	REFERENCE
REFL	REFLECTED
REFR or REFRIG	REFRIGERATOR
REV	REVISION
REINF	REINFORCED
REQ ('D)	REQUIRE (MENT) (S) ('D)
RESIL	RESILIENT
RFS	ROOM FINISH SCHEDULE
RGTR	REGISTER
RH	RIGHT HAND
RM	ROOM
R.O.	ROUGH OPENING
RS	REAGENT SHELF or ROUGH SAWN
RWC	RAIN WATER CONDUCTOR
RWL	RAIN WATER LEADER
S	SOUTH
SB	SMOKE BARRIER or SINK BASE
SC	SOLID CORE
SCHED	SCHEDULE
SD	STORM DRAIN or SOAP DISPENSER
SECT	SETION
SFRM	SPRAY APPLIED FIRE REISTIVE MATERIAL
SF GL	SAFETY GLASS
SG	SHEET GLASS
SH	SHELF
SHR	SHOWER
SHT	SHEET
SIM	SIMILAR
SKL	SKYLIGHT
SL	SLOPE
SND or SNR	SANITARY NAPKIN DISPENSER/RECEPTICAL
SP	SOUND PROOF
SPEC	SPECIFICATION
SPK	SPEAKER
SPL	SPECIAL
SQ	SQUARE
SS	STAINLESS STEEL
STA	STATION
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRL	STRUCTURAL
SUSP	SUSPENDED
SYM	SYMMETRICAL
SYN	SYNTHETIC
SYS	SYSTEM
TB	TACK BOARD
TEL	TELEPHONE
T&G	TONGUE & GROOVE
THK	THICK
TJ	TOOLED JOINT
TO	TOP OF
TV	TELEVISION
TYP	TYPICAL
UNF	UNFINISHED
UON or UNO	UNLESS OTHERWISE NOTED
UR	URNAL
V#	VACUUM WITH NUMBER OF VALVES INDICATED
VAR	VARNISH
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VF	VINYL FABRIC
VIF	VERIFY IN FIELD
VNR	VENEER
VT	VINYL TILE
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
WB	WOOD BASE
WC	WALL CABINET
WD	WOOD
WG	WIRED GLASS
WM	WIRE MESH
W/O	WITHOUT
WP	WATER PROOF
WSCT	WAINSCOT
WT	WEIGHT
WWF	WELDED WIRE FABRIC
XMFR	TRANSFORMER

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MKSK
LANDSCAPE ARCHITECTURE + URBAN PLANNING

462 SOUTH LUDLOW ALLEY
COLUMBUS, OH 43215
614 6212796
MKSKSTUDIOS.COM

client / owner
THE CITY OF CENTERVILLE

project name
LEONARD B. STUBBS PARK IMPROVEMENTS

project address
255 W Spring Valley Pike, Centerville, Ohio 45458

building architect of record
LEVIN PORTER ARCHITECTS
LEVIN PORTER
3011 NEWMARK DRIVE
MIAMISBURG, OHIO 45342
p 937.224.1931 | LEVIN-PORTER.COM

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HEAPY
HEAPY
1800 WATERMARK DRIVE
COLUMBUS, OHIO 43215
p 937-224-0861 | HEAPY.COM

civil and structural engineering
LJB Inc.
2500 NEWMARK DRIVE
MIAMISBURG, OHIO 45342
p 937-259-5000 | LJBINC.COM

BID SET

revision	date	issued

seal
STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2023

issue date: 08/03/23
project number: c214418.00

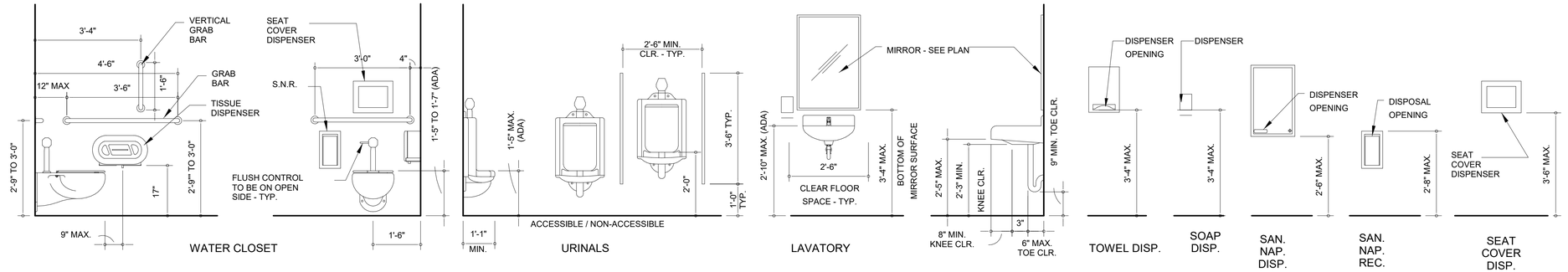
sheet name
GENERAL NOTES AND SYMBOLS

sheet number
G0.02

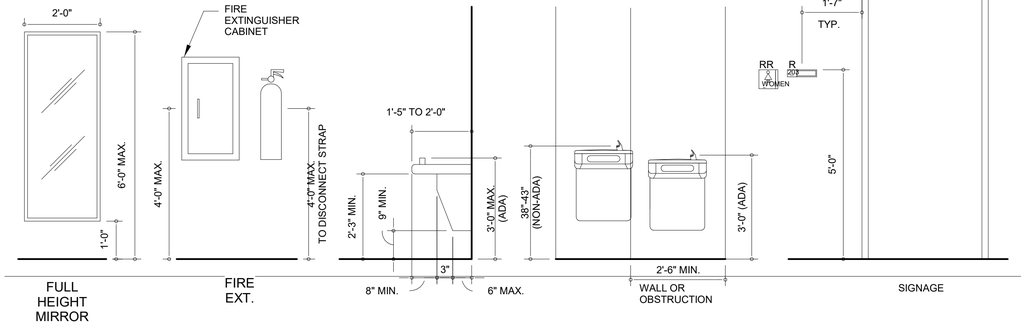
MOUNTING HEIGHTS - ADULT

NOTE: ALL ITEMS SHALL BE MOUNTED IN ACCORDANCE WITH ICC A117.1, CURRENT VERSION

(CONTRACTOR NOTE: NOT ALL THE FOLLOWING ITEMS ARE USED IN THIS PROJECT - SEE DRAWINGS & SPECS FOR ADDITIONAL DETAILS. ALL DIMENSIONS ARE NOT TO SCALE.)



DRINKING FOUNDATIONS



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p 937-259-5000 | LJBINC.COM

BID SET

revision | date | issued

seal
STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2023

issue date: 08/03/23
project number: c214418.00

sheet name
MOUNTING HEIGHTS

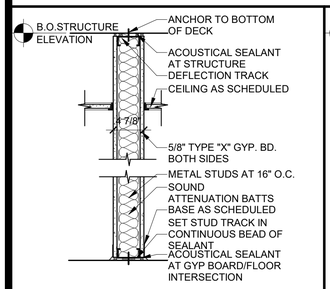
sheet number
G0.03

INTERIOR PARTITION TYPES

NOTE: NOT WALL WALL TYPES WILL BE USED IN THIS PROJECT

NOTES:

1. SEE LIFE SAFETY DRAWINGS FOR LOCATIONS OF RATED PARTITIONS
2. ALL GYPSUM WALL BOARD TO BE TYPE "X" UNLESS OTHERWISE SPECIFIED
3. PROVIDE TILE BACKERBOARD ON ALL WALL SCHEDULE TO RECEIVE TILE FINISH
4. WALL FINISHES VARY, REFER TO FINISH SCHEDULE, INTERIOR ELEVATIONS, AND DETAILS FOR ALL PARTITIONS
5. MAINTAIN FIRE RATING AND ACOUSTICAL RATING OF PARTITIONS AROUND FIRE EXTINGUISHER CABINETS, ELECTRICAL BOXES, AND OTHER RECESSED ITEMS
6. FIRE-RATED PARTITIONS SHALL HAVE FIRE STOP SEALANTS AT THE HEAD, SILL, THROUGH PENETRATIONS, OPENINGS, AND JUNCTIONS WITH DISSIMILAR MATERIALS
7. NON-RATED PARTITIONS SHALL HAVE SEALANTS AT THE HEAD, SILL, THROUGH PENETRATIONS, OPENINGS AND JUNCTURES WITH DISSIMILAR MATERIALS.
8. ALL STUD WALLS CONSTRUCTED TO DECK SHALL HAVE A DEFLECTION TRACK TO ACCOMMODATE MOVEMENT OF THE STRUCTURE. ALL DEFLECTION TRACK SHALL ACCOMMODATE A MINIMUM OF 1" DEFLECTION OF THE STRUCTURE.

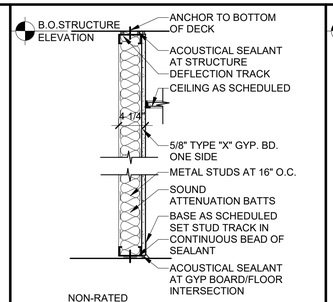


NON-RATED
STC: 40 (49 WITH 3" SAB)
UL: N/A

A

STUD SIZE SUFFIX / WIDTH CHART

SUFFIX	STUD SIZE	TOTAL WIDTH
A1	3 5/8"	4 7/8"
A2	6"	7 1/4"
A3	8"	9 1/4"

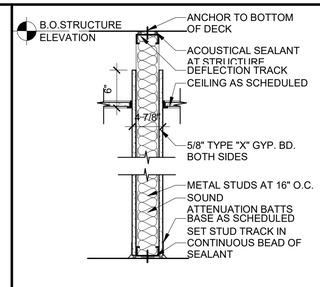


NON-RATED
STC: 40 (49 WITH 3" SAB)
UL: N/A

B

STUD SIZE SUFFIX / WIDTH CHART

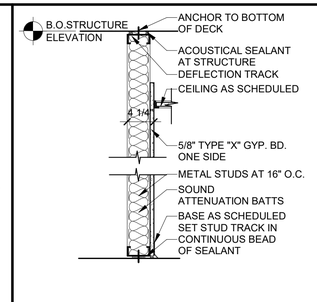
SUFFIX	STUD SIZE	TOTAL WIDTH
B1	3 5/8"	4 1/4"
B2	6"	6 5/8"
B3	8"	8 5/8"



C

STUD SIZE SUFFIX / WIDTH CHART

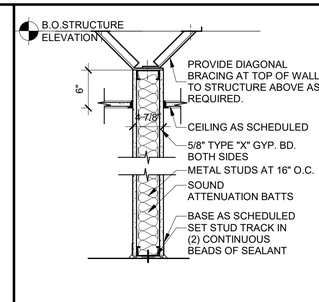
SUFFIX	STUD SIZE	TOTAL WIDTH
C1	3 5/8"	4 7/8"
C2	6"	7 1/4"
C3	8"	9 1/4"



D

STUD SIZE SUFFIX / WIDTH CHART

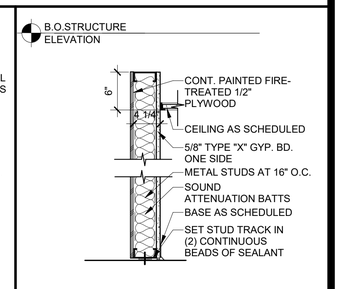
SUFFIX	STUD SIZE	TOTAL WIDTH
D1	3 5/8"	4 1/4"
D2	6"	6 5/8"
D3	8"	8 5/8"



E

STUD SIZE SUFFIX / WIDTH CHART

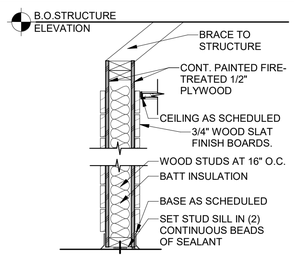
SUFFIX	STUD SIZE	TOTAL WIDTH
E1	3 5/8"	4 7/8"
E2	6"	7 1/4"
E3	8"	9 1/4"



F

STUD SIZE SUFFIX / WIDTH CHART

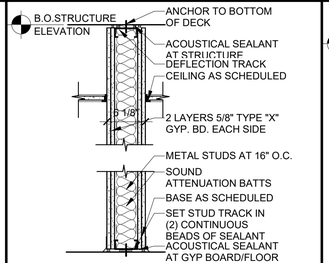
SUFFIX	STUD SIZE	TOTAL WIDTH
F1	7/8"	1 1/2"
F2	2 1/2"	3 1/8"
F3	3 5/8"	4 1/4"
F4	6"	6 5/8"



G

STUD SIZE SUFFIX / WIDTH CHART

SUFFIX	STUD SIZE	TOTAL WIDTH
G1	3 1/2"	4 1/2"
G2	5 1/2"	6 1/2"

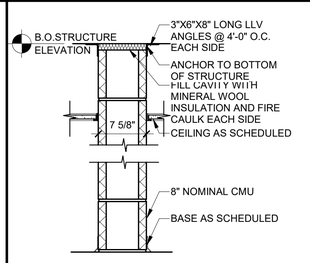


NON-RATED
STC: 40 (49 WITH 3" SAB)
UL: N/A

H

STUD SIZE SUFFIX / WIDTH CHART

SUFFIX	STUD SIZE	TOTAL WIDTH
H1	3 5/8"	6 1/8"
H2	6"	8 1/2"

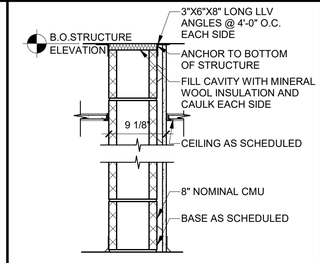


2HR RATED
STC: 48
UL: U905

J

STUD SIZE SUFFIX / WIDTH CHART

SUFFIX	BLOCK WIDTH	
J1	5 5/8"	
J2	7 5/8"	
J3	11 5/8"	

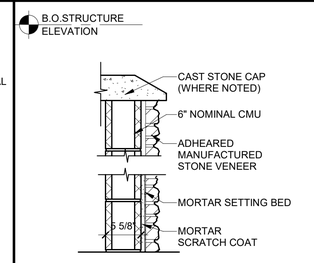


NON-RATED
STC: 48
UL: N/A

K

STUD SIZE SUFFIX / WIDTH CHART

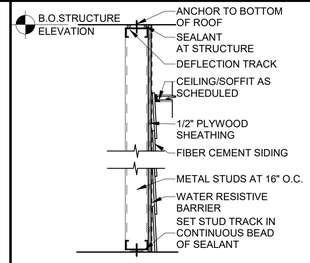
SUFFIX	BLOCK WIDTH	TOTAL WIDTH
K1	5 5/8"	7 1/8"
K2	7 5/8"	9 1/8"
K3	11 5/8"	13 1/8"



L

STUD SIZE SUFFIX / WIDTH CHART

SUFFIX	BLOCK WIDTH	TOTAL WIDTH
L1	5 5/8"	VARIES



M

STUD SIZE SUFFIX / WIDTH CHART

SUFFIX	STUD SIZE	TOTAL WIDTH
M1	3 5/8"	4 1/4"
M2	6"	6 5/8"
M3	8"	8 5/8"

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seal
STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2023

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project number c214418.00

sheet name
WALL TYPES

sheet number
G0.04

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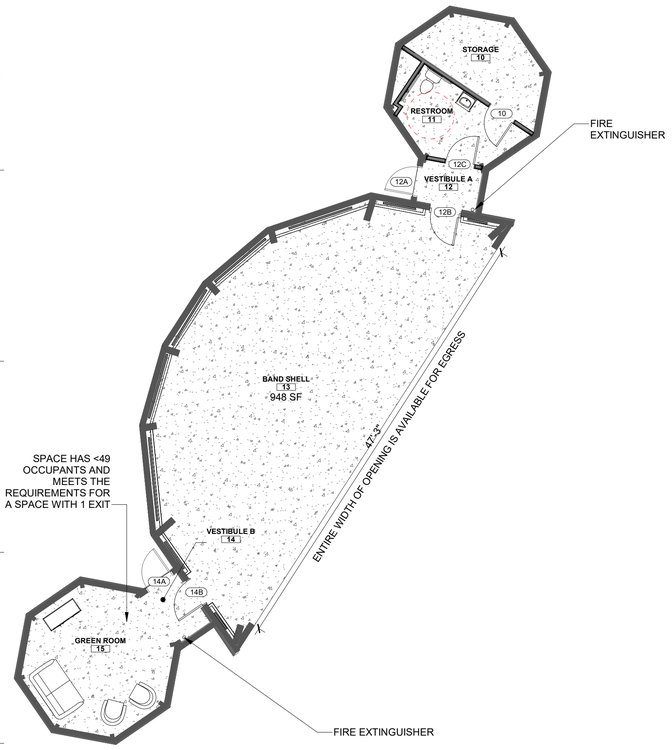
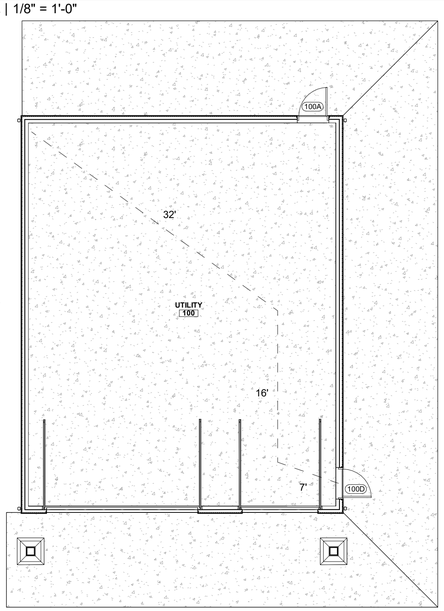


2 BAND SHELL FLOOR PLAN - CODE NOTES

SCALE | 1/8" = 1'-0"



1 UTILITY ROOM PLAN - CODE NOTES

SCALE | 1/8" = 1'-0"

NORTH

NORTH

CODE NOTES: EXISTING PODS

USE SUMMARY

NORTH POD: THE EXISTING RESTROOM FACILITIES ARE BEING RENOVATED TO INCREASE ACCESSIBILITY FOR USE BY VISITING PERFORMERS. THE QUANTITY OF FIXTURES IS NOT CHANGING. A PORTION OF THE POD WILL BE USED FOR GENERAL STORAGE, NOT ACCESSED BY THE PUBLIC. THIS IS NOT A CHANGE FROM THE CURRENT USE.

SOUTH POD: THIS STORAGE AREA IS BEING CONVERTED TO A GREEN ROOM FOR PERFORMERS. NEW INTERIOR FINISHES WILL BE ADDED TO THE SPACE AND THE MATERIALS CURRENTLY STORED IN THE ROOM WILL BE RELOCATED ELSEWHERE.

2017 OHIO BUILDING CODE (WITH UPDATES)

NEW UTILITY BUILDING

Use and Occupancy Group	Assembly, A-5 Use Group
Construction Type	VB
Total Building Height	39 feet 0 inches, max. 1 Story
Total Building Area (One Floor)	97 sf Storage (Gross)
	83 sf Restroom
	28 sf Vestibule A
	948 sf Band Shell
	25 sf Vestibule B
	183 sf Green Room
	1,364 sf Total

Area Calculations Based on A-5 Assembly Use

Allowable Building Height - Table 504.3	40 feet, not suppressed
Allowable Number of Stories - Table 504.4	Unlimited, not suppressed
Allowable Building Area – Table 506.2	Unlimited sf

Incidental Use Areas Table (509)
None

Fire Resistance Rating Requirements (Table 601) – VB Construction Type

Primary Structural Frame	0 Hours
Bearing Walls Exterior	0 Hours
Bearing Walls Interior	0 Hours
Nonbearing Walls and Partitions Interior	0 Hours
Floor Construction and Secondary Members	0 Hours
Roof Construction and Secondary Members	0 Hours

Fire Resistance Rating Requirements for Exterior Walls Based on Fire Separation Distance (Table 602)

X<5	1 hour
5<x<10	1 hour
10<x<30	0 hour
x>30	0 hour

Building is located > 100'-0" from nearest adjacent building or property line. See civil drawings for location.

Automatic Sprinkler System (Section 903.2.1.3)
Not required and is not provided. Band Shell Accessory areas are all under 1,000 SF

Fire Alarm System (Section 907.2.1 – Group A)
Not required and is not provided. Occupancy total does not exceed 300 occupants.

Fire Extinguisher Locations (Section 906.1)
Fire extinguishers shall be rated for Low Hazard. 50' max travel distance. See plan for locations.

Occupant Load (Table 1004.1.2)

	SF	OCC/SF	OCC.
Band Shell	No Change to Existing		
Green Room	183	15	12
Restroom	Single User		1

Egress Width 1005.3 – Occupant Load 12 for Green Room
Other Egress Components = 32" clear minimum for swing doors (1010.1.1)
Total provided = 1 exit @ 36" = 36"
OBC Table 1006.2.1, A-5 Use Group with less than 75' of travel distance and <49 occupants = 1 Exit

Band Shell offers over 40' of clear egress width along the front of the shell structure

Doors Gates and Turnstiles (Section 1010)
There are no special locking provisions in this project. Free egress will be maintained at all times.

Exit Signs (Section 1013)
Per OBC 1013.1, Exception 1 - Exit signs are not required for spaces with only 1 Exit

Exit Access (Section 1016)
Spaces with one means of egress will not exceed 49 occupants per Table 1015.1

Energy Efficiency (Chapter 13)
Per Ohio Energy Code, Table C402.1.2 buildings that contain 'conditioned space' in climate zone 5 require R-20 insulation for wood framed thermal envelope. Insulation provided where required.

Exit Access Travel Distance (Table 1017.2)
A-5 Use Group = 200 feet without fire suppression. Actual distance = 55'

Plumbing Systems (Chapter 29)
No change to existing plumbing fixture count in the Restroom from current conditions.
City provides temporary restroom facilities during concert events, available to the public.

CODE NOTES: NEW UTILITY BUILDING

USE SUMMARY

A NEW UTILITY STRUCTURE IS BEING CONSTRUCTED TO MATERIALS TO SUPPORT PARK OPERATIONS. THE BUILDING IS NOT HEATED NOR COOLED. NO MAINTENANCE OF VEHICLES OR EQUIPMENT IS PLANNED FOR THIS SPACE. THE BUILDING IS NOT OPEN TO THE PUBLIC.

2017 OHIO BUILDING CODE (WITH UPDATES)

NEW UTILITY BUILDING

Use and Occupancy Group	Utility, U-Use Group
Construction Type	VB
Total Building Height	15 feet 0 inches, 1 Story
Total Building Area (One Floor)	1,428 sf (Gross)

Area Calculations Based on U-Use

Allowable Building Height - Table 504.3	40 feet, not suppressed
Allowable Number of Stories - Table 504.4	1-story, not suppressed
Allowable Building Area – Table 506.2	5,500 sf

Incidental Use Areas Table (509)
None

Fire Resistance Rating Requirements (Table 601) – VB Construction Type

Primary Structural Frame	0 Hours
Bearing Walls Exterior	0 Hours
Bearing Walls Interior	0 Hours
Nonbearing Walls and Partitions Interior	0 Hours
Floor Construction and Secondary Members	0 Hours
Roof Construction and Secondary Members	0 Hours

Fire Resistance Rating Requirements for Exterior Walls Based on Fire Separation Distance (Table 602)

X<5	1 hour
5<x<10	1 hour
10<x<30	0 hour
x>30	0 hour

Building is located > 94'-0" from nearest adjacent building or property line. See civil drawings for location.

Automatic Sprinkler System (Section 903.2.1.3)
Not required and is not provided

Fire Alarm System (Section 907.2.1 – Group A)
Not required and is not provided

Fire Extinguisher Locations (Section 906.1)
Not required for Use Group and is not provided

Occupant Load (Table 1004.1.2)

	SF	OCC/SF	OCC.
Total Building			
Accessory Storage areas	1,428	300	5
TOTAL	*1,428*		*5*

TOTAL OCCUPANT LOAD = 5

Egress Width 1005.3 – Occupant Load 5
Other Egress Components = 32" clear minimum for swing doors (1010.1.1)
Total provided = 1 exit @ 36" = 36"
OBC Table 1006.2.1, U-Use Group with less than 75' of travel distance and <49 occupants = 1 Exit

Doors Gates and Turnstiles (Section 1010)
There are no special locking provisions in this project. Free egress will be maintained at all times.

Exit Signs (Section 1013)
Per OBC 1013.1, Exception 1 - Exit signs are not required for spaces with only 1 Exit

Exit Access (Section 1016)
Spaces with one means of egress will not exceed 49 occupants per Table 1015.1

Exit Access Travel Distance (Table 1017.2)
U-Use Group = 300 feet without fire suppression. Actual distance = 55'

Energy Efficiency (Chapter 13)
Per Ohio Energy Code, C101.5.12 buildings that do not contain 'conditioned space' are exempt from the thermal envelope assembly requirements. This building is neither mechanically heated nor cooled.

Special Inspections (Chapter 17)
Special inspections will be provided as follows:
- Steel Special Inspections per table 1704.3
- Concrete Special Inspections per table 1704.4
- Level 1 Masonry Special Inspections per table 1704.5.1
- Soil Special Inspections per 1704.7

Mechanical Systems (Chapter 28)
Per Ohio Mechanical Code, this building is naturally ventilated per 402.1

Plumbing Systems (Chapter 29)
Per Table 2902.1, plumbing fixtures are not required for U-Use Group. None are provided.

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STATE OF OHIO
MARK C. WISEMAN
13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2023

issue date: 08/03/23
project number: c214418.00

sheet name
CODE NOTES

sheet number
G0.05

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1 ARCHITECTURAL SITE PLAN

SCALE | 1" = 80'-0"

NORTH

SITE LEGEND

- CONCRETE - BROOM
- CONCRETE
- GRASS - LAWN
- GRASS - PLANTING
- GRAVEL
- ASPHALT - VEHICULAR

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sheet name

ARCHITECTURAL SITE PLAN

sheet number

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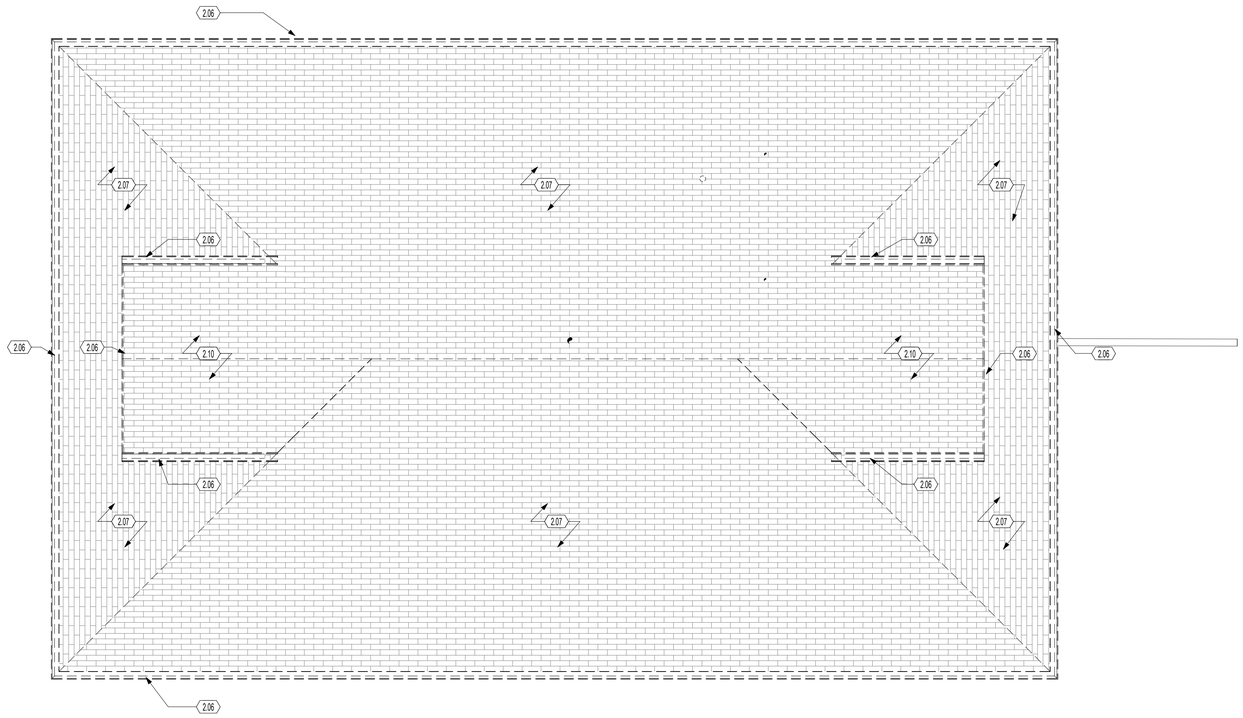
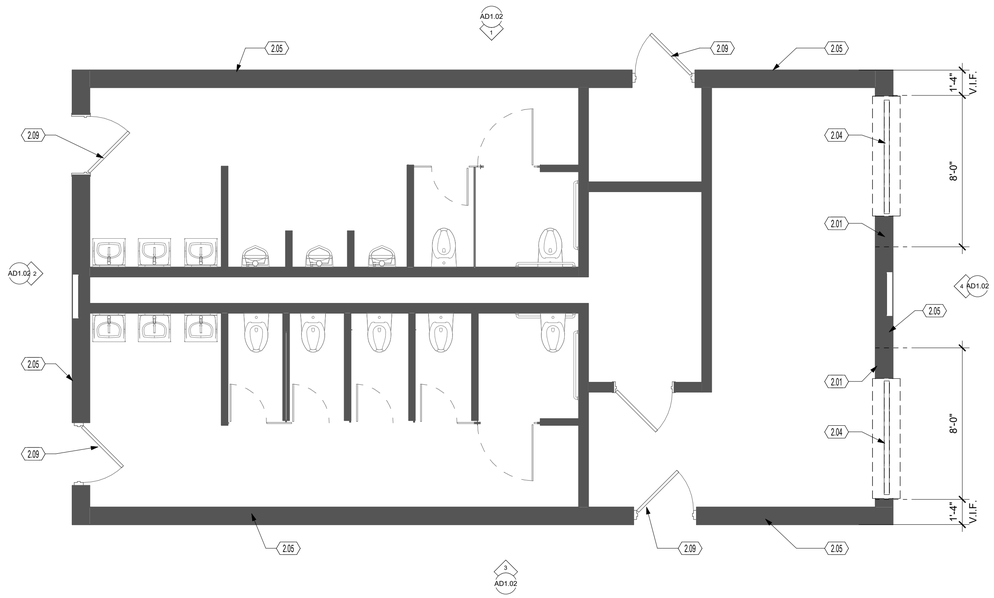


2 CONCESSION BUILDING - ROOF DEMO

SCALE | 1/4" = 1'-0"

NORTH



1 CONCESSION BUILDING - DEMO

SCALE | 1/4" = 1'-0"

NORTH

GENERAL PLAN NOTES

A. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL/DATA CONTRACTORS, ARCHITECT, AND CONSTRUCTION MANAGER SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, AND WALL MOUNTED EQUIPMENT, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.
B. ALL TWO-SIDED NEW INTERIOR PARTITIONS ARE A-1 UNLESS NOTED OTHERWISE.
C. ALL WALLS ARE FULL HEIGHT TO DECK ABOVE, UNLESS NOTED OTHERWISE.
D. SEE LANDSCAPE PLANS FOR SITE PLANTINGS, SITE CONCRETE, AND FENCE DETAILS.
E. SEE CIVIL PLANS FOR SITE DRAINAGE, CONTOURS, GRADING, STORMWATER CALCULATIONS AND RETENTION.
F. SEE SHEETS A6.01 FOR WINDOW ELEVATIONS
G. SEE SHEET G0.02 FOR TYPICAL MOUNTING HEIGHTS.
H. CONTRACTOR TO PROVIDE FIRE RETARDANT WOOD BLOCKING BACK-UP IN ALL STUD WALL ASSEMBLIES AS REQUIRED FOR MOUNTING OF ALL WALL HUNG ACCESSORIES, HUNG FIXTURES, VISUAL DISPLAYS, ETC. COORDINATE WITH OWNER PROVIDED EQUIPMENT AND LOCATIONS.

##.## KEYNOTES

2.01 DEMOLISH PORTION OF EXISTING WALL AS REQUIRED FOR NEW OPENING - COORDINATE WITH OPENING REQUIREMENTS
2.04 DEMOLISHING EXISTING TRANSACTION WINDOW, COUNTERTOP, SECURITY COVER, AND ASSOCIATED COMPONENTS IN THEIR ENTIRETY
2.05 PREP EXISTING CMU AS REQUIRED FOR NEW FINISH AS SCHEDULED
2.06 DEMOLISH EXISTING ROOF EDGE, GUTTER AND DOWNSPOUT IN ITS ENTIRETY
2.07 DEMOLISH EXISTING ROOFING DOWN TO SUBSTRATE
2.09 EXISTING DOOR TO REMAIN - PREP DOOR AND FRAME FOR NEW FINISH AS SCHEDULED
2.10 EXISTING DORMERS TO REMAIN, REMOVE ROOFING MATERIAL AND SUBSTRATE AS REQUIRED FRO NEW INFILL FRAMING

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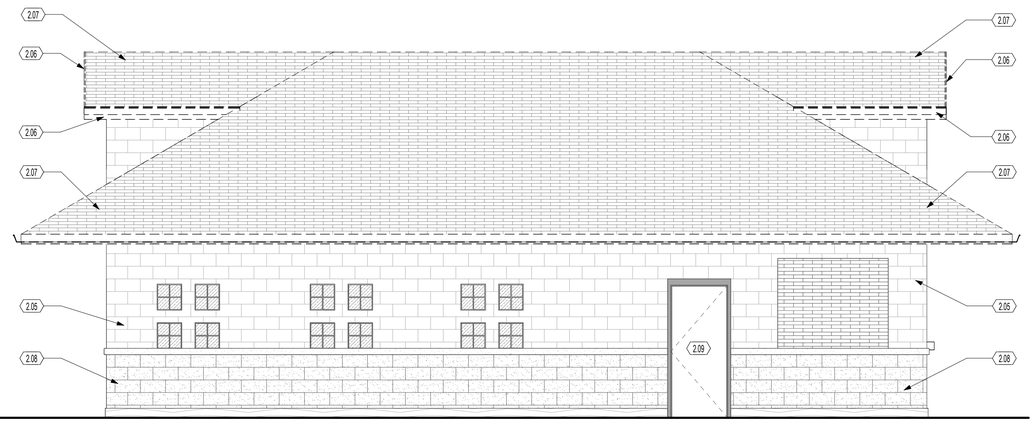
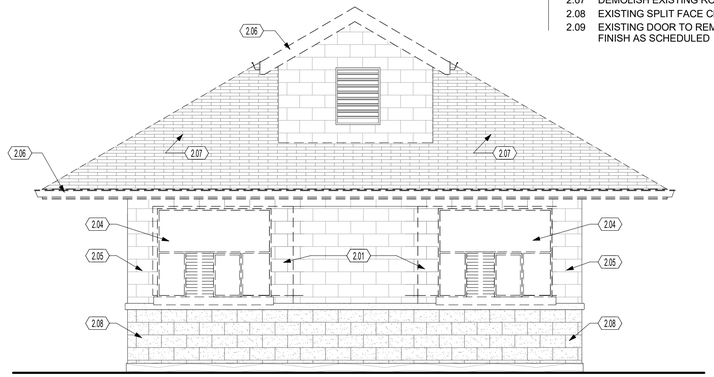


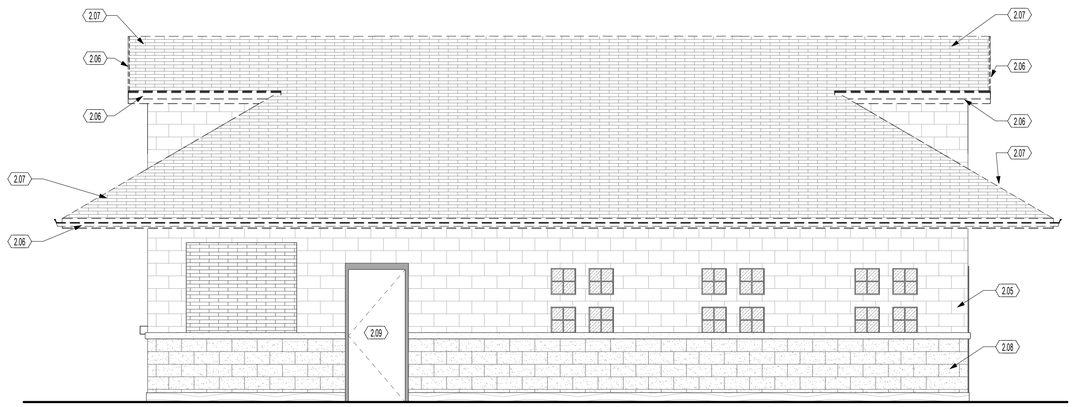
3 CONCESSION SOUTH - DEMO

SCALE | 1/4" = 1'-0"



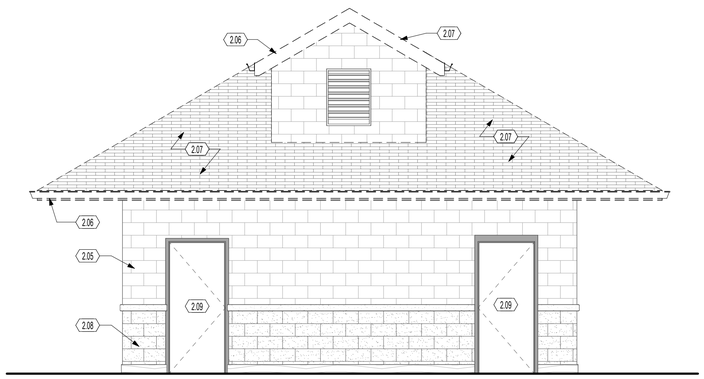
4 CONCESSION EAST - DEMO

SCALE | 1/4" = 1'-0"



1 CONCESSION NORTH - DEMO

SCALE | 1/4" = 1'-0"



2 CONCESSION WEST - DEMO

SCALE | 1/4" = 1'-0"

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##.## KEYNOTES

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2.05 PREP EXISTING CMU AS REQUIRED FOR NEW FINISH AS SCHEDULED
2.06 DEMOLISH EXISTING ROOF EDGE, GUTTER AND DOWNSPOUT IN ITS ENTIRETY
2.07 DEMOLISH EXISTING ROOFING DOWN TO SUBSTRATE
2.08 EXISTING SPLIT FACE CMU TO REMAIN
2.09 EXISTING DOOR TO REMAIN - PREP DOOR AND FRAME FOR NEW FINISH AS SCHEDULED

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sheet number
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KEYNOTES

2.03 EXISTING WALL FINISH TO REMAIN.

2.11 DEMOLISH EXISTING CEILING IN ITS ENTIRETY, INCLUDING ANY ASSOCIATED MEP ITEMS.

2.12 EXISTING CONCRETE SLAB IN BAND SHELL TO REMAIN. REFER TO RELATED CIVIL DRAWINGS FOR PAVEMENT REMOVAL SCOPE OUTSIDE OF BAND SHELL.

2.13 DEMOLISH EXISTING DOOR AND FRAME, PREPARE FOR NEW DOOR AND FRAME IN EXISTING OPENING

2.20 REMOVE PORTION OF EXISTING SLAB AS NECESSARY FOR BELOW GRADE PLUMBING INSTALLATION. COORDINATE WITH PLUMBING SCOPE.

2.22 PREP EXISTING GLULAM RIBS TO RECEIVE NEW FINISH AS SPECIFIED.

2.25 DEMOLISH EXISTING DOOR AND FRAME IN ITS ENTIRETY

2.29 REMOVE EXISTING WALL IN ITS ENTIRETY, INCLUDING ALL RESTROOM ACCESSORIES, FIXTURES AND INFRASTRUCTURE. REFER TO RELATED DRAWINGS FOR ADDITIONAL SCOPE.

2.33 REMOVE EXISTING PAINT FINISH ON EXISTING SHELL AND STRUCTURAL RIB EXPOSED SURFACES. PREP SURFACE FOR NEW FINISH AS SPECIFIED.

2.34 EXISTING SHINGLE ROOF TO REMAIN. REFER TO NEW WORK DOCUMENTATION FOR REPAIR/REPLACEMENT SCOPE.

2.35 REMOVE EXISTING LIGHT FIXTURES, BRACKETS, CONDUIT AND CONDUCTORS. REFER TO RELATED DRAWINGS.

GENERAL PLAN NOTES

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C. ALL WALLS ARE FULL HEIGHT TO DECK ABOVE, UNLESS NOTED OTHERWISE.
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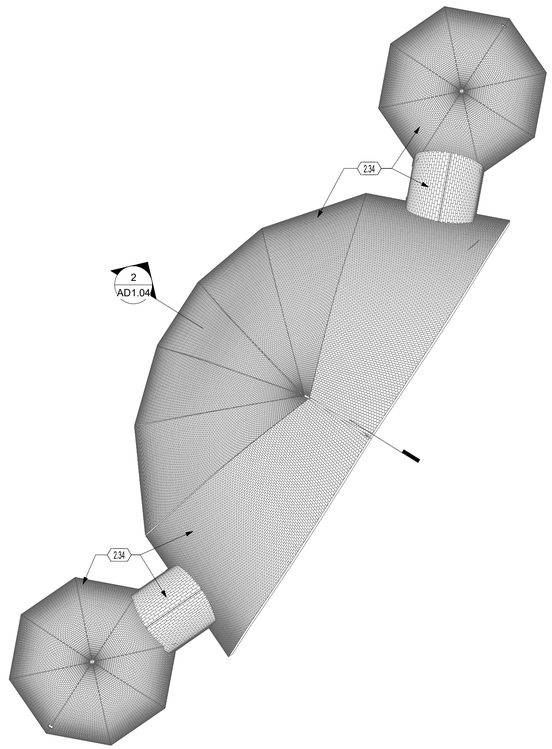
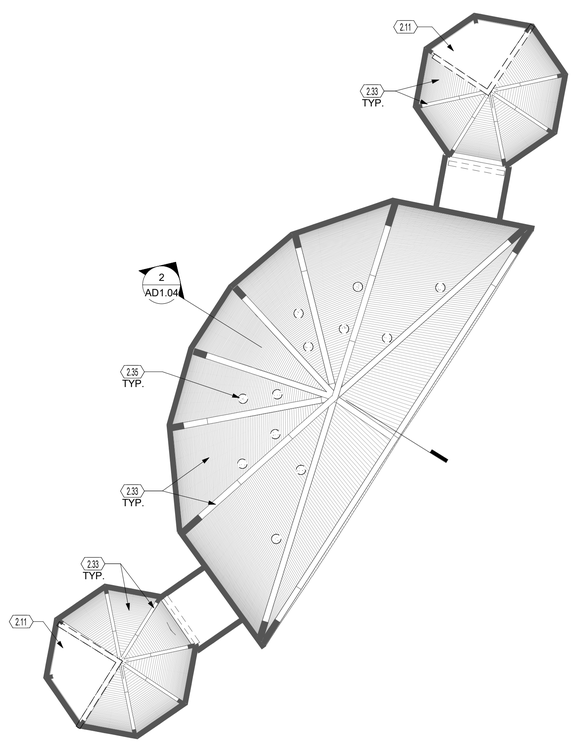


1 BAND SHELL NEW DEMO ROOF PLAN

SCALE | 1/8" = 1'-0"

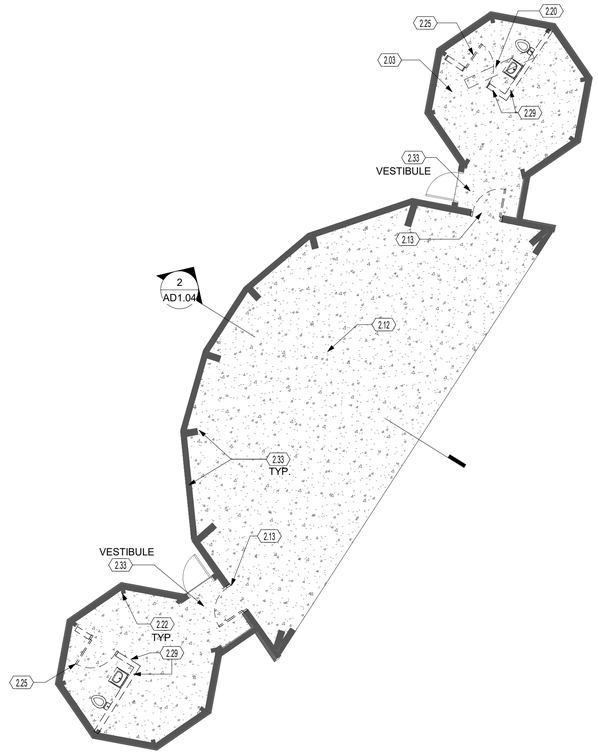
NORTH



2 BAND SHELL DEMOLITION RCP

SCALE | 1/8" = 1'-0"

NORTH



3 BAND SHELL DEMO WORK FLOOR PLAN

SCALE | 1/8" = 1'-0"

NORTH

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13215
REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
Expiration Date 12/31/2023

issue date: 08/03/23

project number: c214418.00

sheet name

BAND SHELL - DEMOLITION

sheet number

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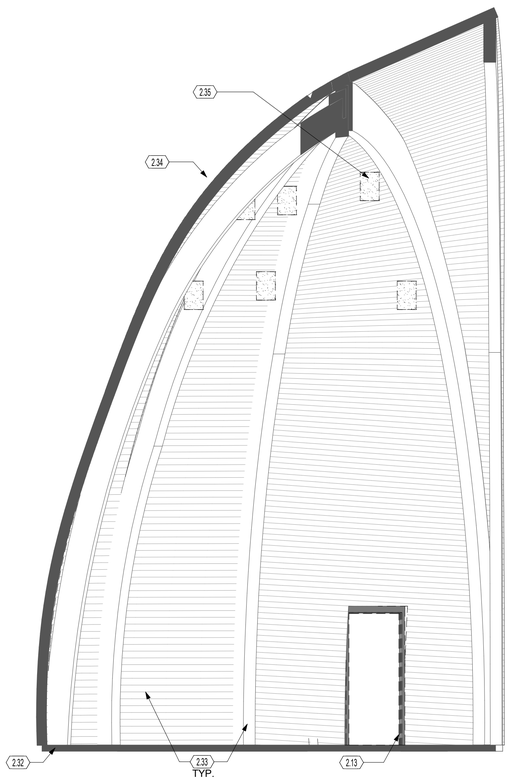
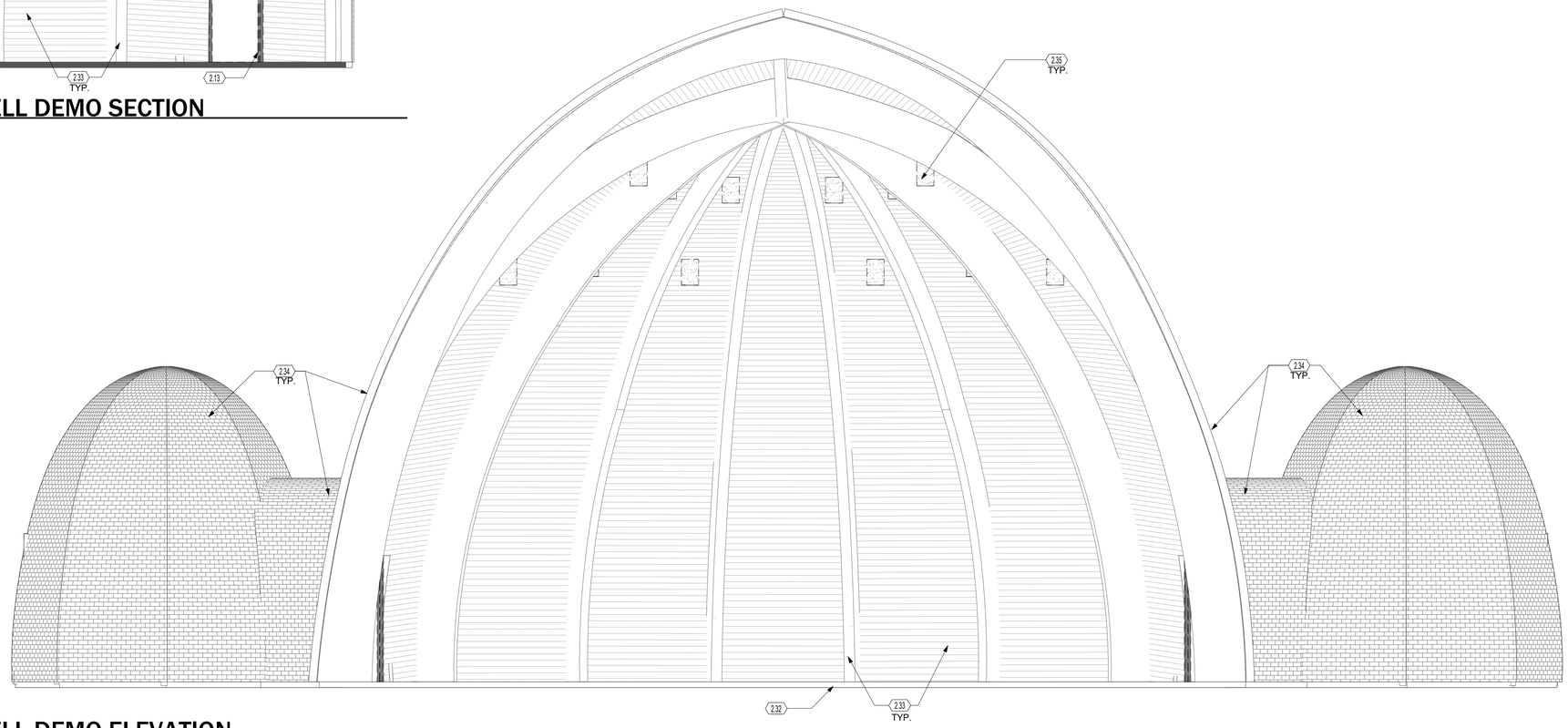


2 BAND SHELL DEMO SECTION

SCALE | 1/4" = 1'-0"



1 BAND SHELL DEMO ELEVATION

SCALE | 1/4" = 1'-0"

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##.## KEYNOTES

2.13 DEMOLISH EXISTING DOOR AND FRAME, PREPARE FOR NEW DOOR AND FRAME IN EXISTING OPENING
2.32 EXISTING SLAB TO REMAIN.
2.33 REMOVE EXISTING PAINT FINISH ON EXISTING SHELL AND STRUCTURAL RIB EXPOSED SURFACES. PREP SURFACE FOR NEW FINISH AS SPECIFIED.
2.34 EXISTING SHINGLE ROOF TO REMAIN. REFER TO NEW WORK DOCUMENTATION FOR REPAIR/REPLACEMENT SCOPE.
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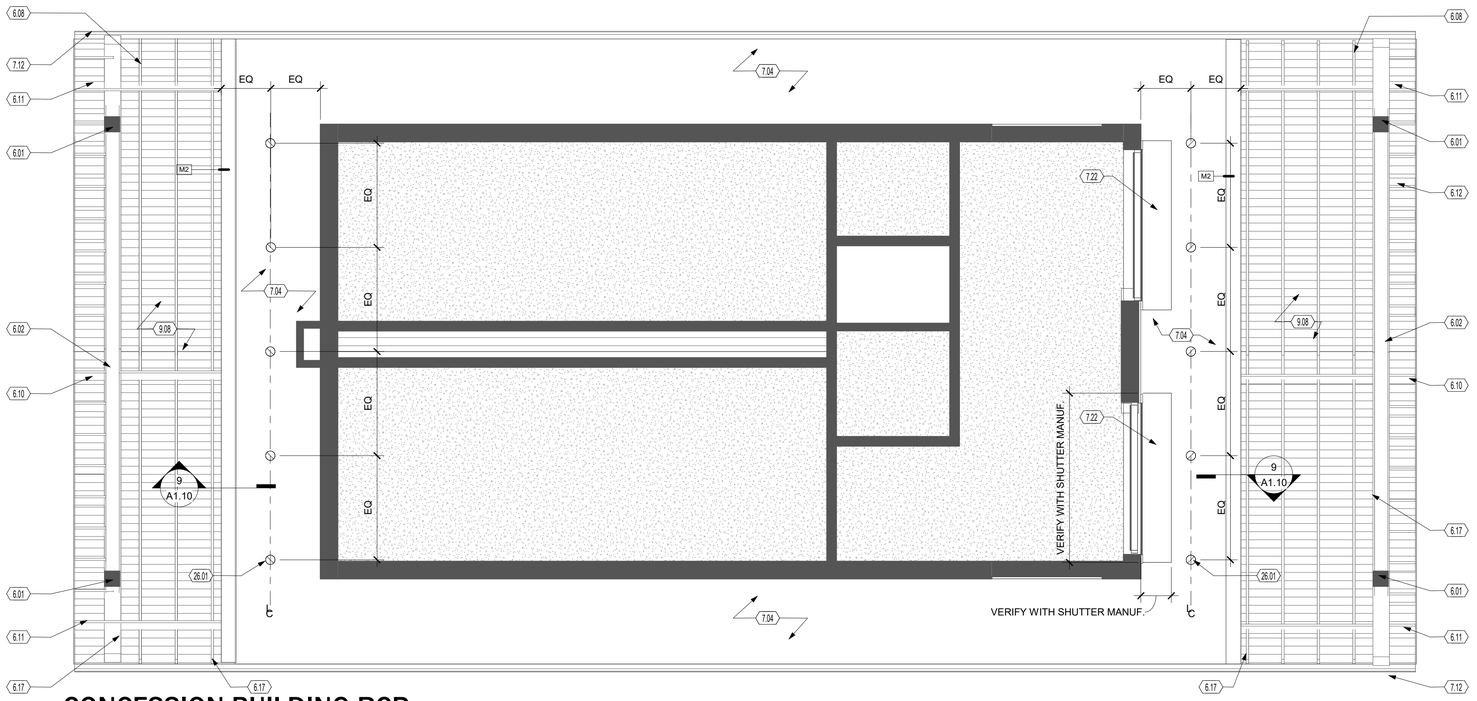
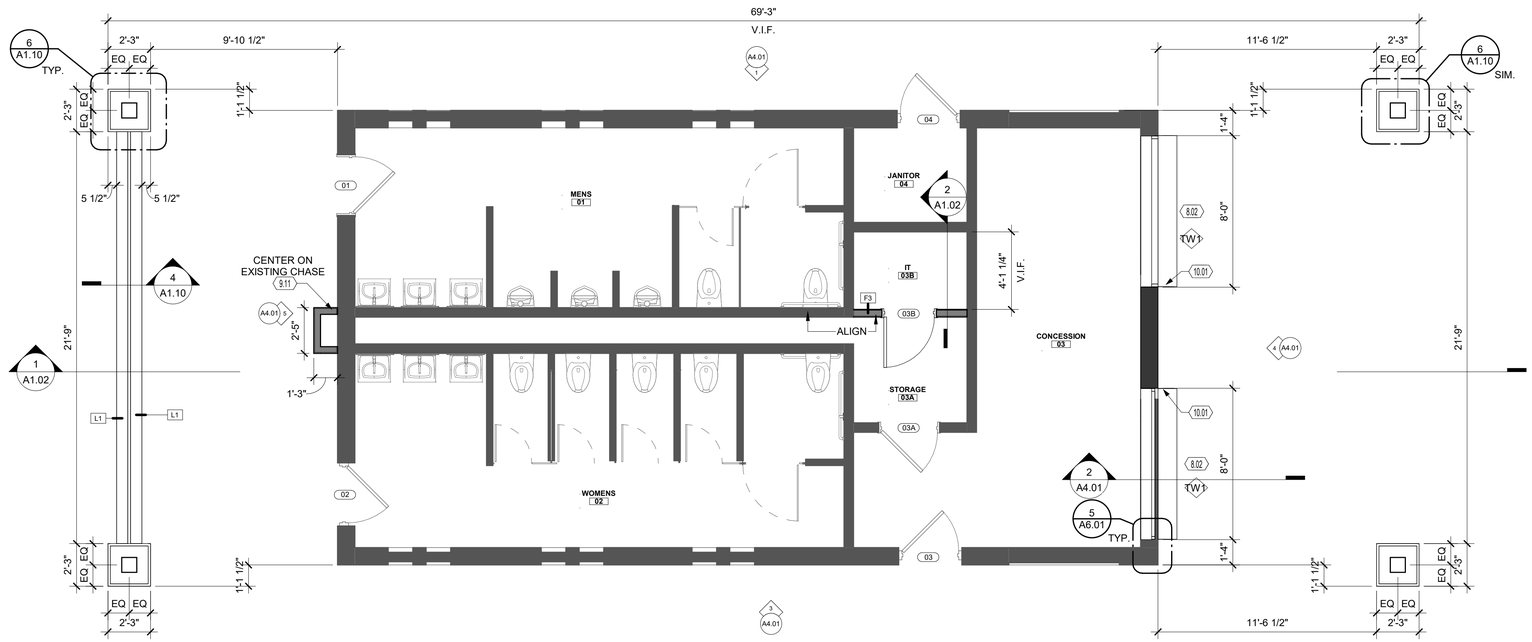


2 CONCESSION BUILDING RCP

SCALE | 1/4" = 1'-0"

NORTH



1 CONCESSION BUILDING

SCALE | 1/4" = 1'-0"

NORTH

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##.## KEYNOTES

6.01 HEAVY TIMBER COLUMN - REFER TO STRUCTURAL
6.02 HEAVY TIMBER TRUSS , PROVIDE FILLET AT ALL EDGES- REFER TO STRUCTURAL.
6.08 2X6 RAFTERS @ 2'-0" O.C. PROVIDE FILLET AT ALL EXPOSED EDGES - SEE STRUCTURAL
6.10 RIDGE BEAM PROVIDE FILLET AT ALL EXPOSED EDGES - SEE STRUCTURAL
6.11 EAVE BEAM PROVIDE FILLET AT ALL EXPOSED EDGES - SEE STRUCTURAL
6.12 2 X 6 FRAMING @ 2'-0" O.C. OVER TRUSS, PROVIDE FILLET AT ALL EXPOSED EDGES. - SEE STRUCTURAL DRAWINGS.
6.17 LAMINATED DECK INFILL FOR BAT-PROOFING OVERHEAD AREAS. FINISH TO MATCH ADJACENT WOOD. SECURE WITH CONCEALED BLOCKING OR HARDWARE.
7.04 VENTILATED FIBER CEMENT SOFFIT
7.12 PREFINISHED METAL GUTTER AND METAL DRIP EDGE
7.22 REMOVABLE SECTION OF SOFFIT. COORDINATE WITH COILING DOOR MANUF. FOR FINAL DIMENSIONS NEEDED FOR ACCESSING HOOD.
8.02 NEW TRANSACTION WINDOW
9.08 EXPOSED, LAMINATED WOOD SLAT DECK. FINISH AS SPECIFIED.
9.11 NEW CHASE CLAD IN CEDAR - STAIN TO MATCH TRUSSES. SEE PME FOR ADDITIONAL INFORMATION
10.01 STAINLESS STEEL TRANSACTION COUNTER
26.01 WOOD FRAMED ELECTRICAL HOUSING WITH LINEAR UPLIGHT INSIDE. REFER TO RELATED DRAWINGS.

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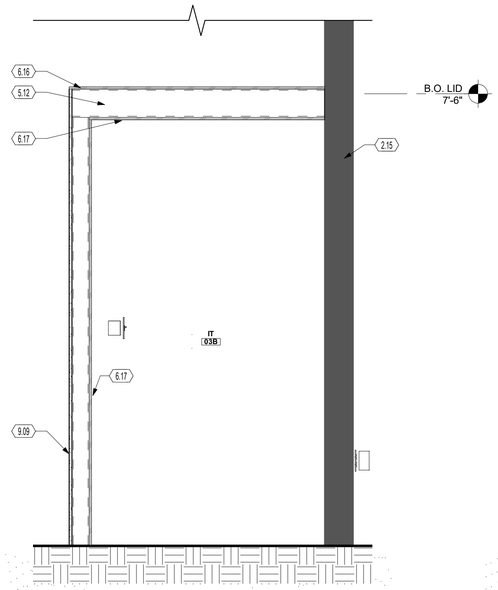
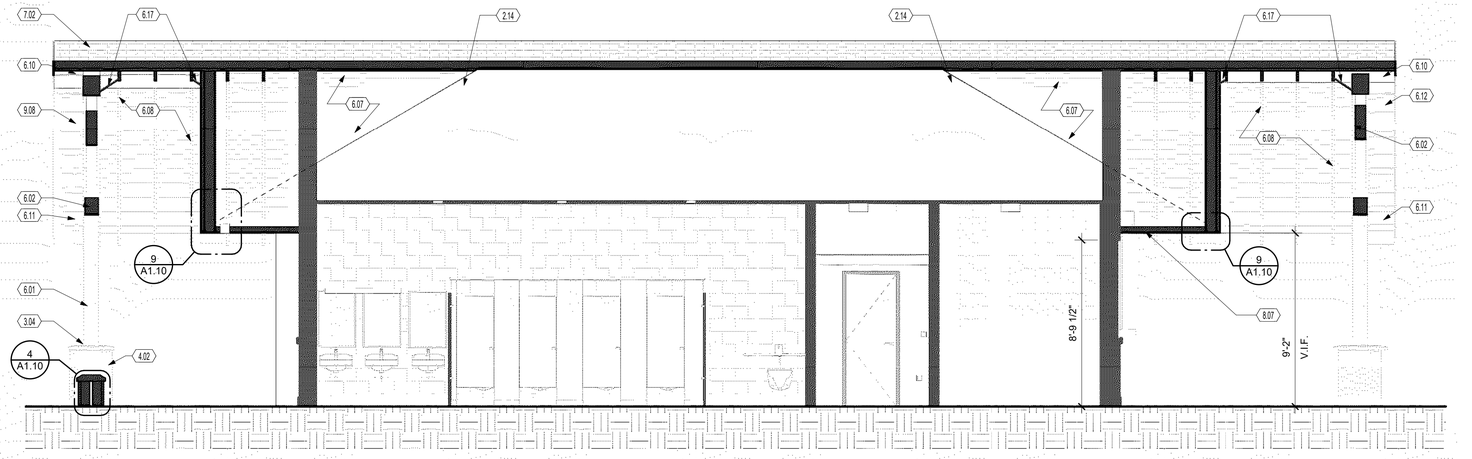


2 SECTION @ IT ROOM

SCALE | 3/4" = 1'-0"



1 BUILDING SECTION CONCESSION - EAST/WEST

SCALE | 1/4" = 1'-0"

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##.## KEYNOTES

2.14 EXISTING ROOF LINE
2.15 EXISTING CONSTRUCTION TO REMAIN
3.04 CAST STONE CAP - SEE DETAIL FOR PROFILE
4.02 ADHERED STONE VENEER AS SPECIFIED
5.12 METAL STUD FRAMING LID - REFER TO STRUCTURAL DRAWINGS
6.01 HEAVY TIMBER COLUMN - REFER TO STRUCTURAL
6.02 HEAVY TIMBER TRUSS , PROVIDE FILLET AT ALL EDGES- REFER TO STRUCTURAL.
6.07 FILL IN 2X6 RAFTERS BETWEEN DORMER ROOF AND MAIN ROOF, PROVIDE FILLET AT ALL EXPOSED EDGES- SEE STRUCTURAL
6.08 2X6 RAFTERS @ 2'-0" O.C. PROVIDE FILLET AT ALL EXPOSED EDGES - SEE STRUCTURAL
6.10 RIDGE BEAM PROVIDE FILLET AT ALL EXPOSED EDGES - SEE STRUCTURAL
6.11 EAVE BEAM PROVIDE FILLET AT ALL EXPOSED EDGES - SEE STRUCTURAL
6.12 2 X 6 FRAMING @ 2'-0" O.C. OVER TRUSS, PROVIDE FILLET AT ALL EXPOSED EDGES. - SEE STRUCTURAL DRAWINGS.
6.16 CONT. PAINTED FIRE-TREATED 1/2" PLYWOOD CAP
6.17 LAMINATED DECK INFILL FOR BAT-PROOFING OVERHEAD AREAS. FINISH TO MATCH ADJACENT WOOD. SECURE WITH CONCEALED BLOCKING OR HARDWARE.
7.02 ASPHALT SHINGLE ROOF AND UNDERLAYMENT OVER EXISTING ROOF SHEATHING
8.07 PROVIDE REMOVABLE ACCESS PANEL IN SOFFIT. COORDINATE FINAL SIZE WITH SHUTTER MANUFACTURER TO ALLOW FOR MAINTENANCE OF UNIT. SECURE WITH FLUSH, TAMPER RESISTANT HARDWARE.
9.08 EXPOSED, LAMINATED WOOD SLAT DECK. FINISH AS SPECIFIED.
9.09 5/8" TYPE "X" GYP. BD OVER METAL STUD FRAMING

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A1.02

KEYNOTES

3.06	EXISTING BAND SHELL CONCRETE SLAB TO REMAIN. REFER TO CIVIL DRAWINGS FOR RELATED SITE PAVING NEW WORK.
3.09	PATCH CONCRETE SLAB AFTER BELOW GRADE PLUMBING INSTALLATION. PREP SURFACE FOR NEW FINISH AS SPECIFIED.
3.11	PATCH/REPAIR EXISTING SLAB AS REQUIRED FOR NEW FLOOR FINISH AS SPECIFIED.
6.05	HORIZONTAL FRAMING INFILL, UKINSULATION, INTERIOR SHEATHING AND 3/4" HORIZONTAL WOOD SLAT FINISH, FULL HEIGHT OF INTERIOR. REFER TO DETAILS
7.03	REPAIR/REPLACE ANY DAMAGED, LOOSE OR MISSING ASPHALT SHINGLES. MATCH EXISTING SHINGLES.
7.18	R-20 BATT INSULATION AND VAPOR RETARDER INFILL BETWEEN NEW FRAMING MEMBERS. REFER TO DETAILS.
8.04	NEW DOOR/FRAME/HARDWARE AS SCHEDULED IN EXISTING OPENING. PREP OPENING AS REQUIRED.
9.03	PROVIDE NEW FINISH ON EXPOSED WOOD SURFACES OF BAND SHELL AND STRUCTURAL RIBS. REPAIR/PREP SURFACES AS REQUIRED.
9.05	GYPSUM BOARD CEILING APPLIED TO 2X6 WOOD FRAMING MEMBERS, 24" O.C.
9.15	EXPOSED WOOD SURFACES TO REMAIN.
12.02	FURNITURE & EQUIPMENT BY OWNER.
26.02	ELECTRICAL PANEL. REFER TO RELATED DRAWINGS. PROVIDE WOOD TRIM AS REQUIRED AROUND UNIT.
26.04	LIGHTING CONTROL PANEL. REFER TO RELATED DRAWINGS. PROVIDE WOOD TRIM AS REQUIRED AROUND UNIT.
26.05	LINEAR LIGHT. SEE ELECTRICAL DRAWINGS FOR SPECIFICATIONS AND LENGTHS.
26.06	SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

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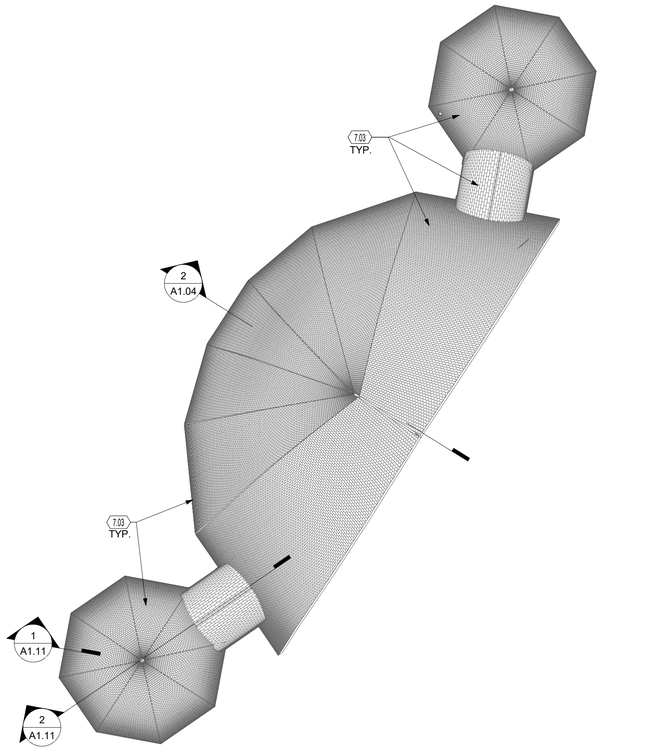

1 BAND SHELL NEW WORK ROOF PLAN

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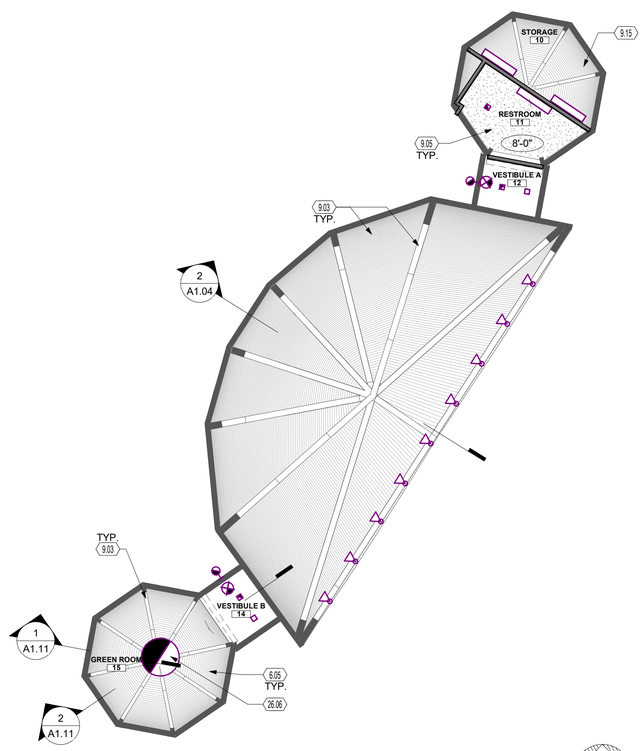

2 BAND SHELL NEW WORK RCP

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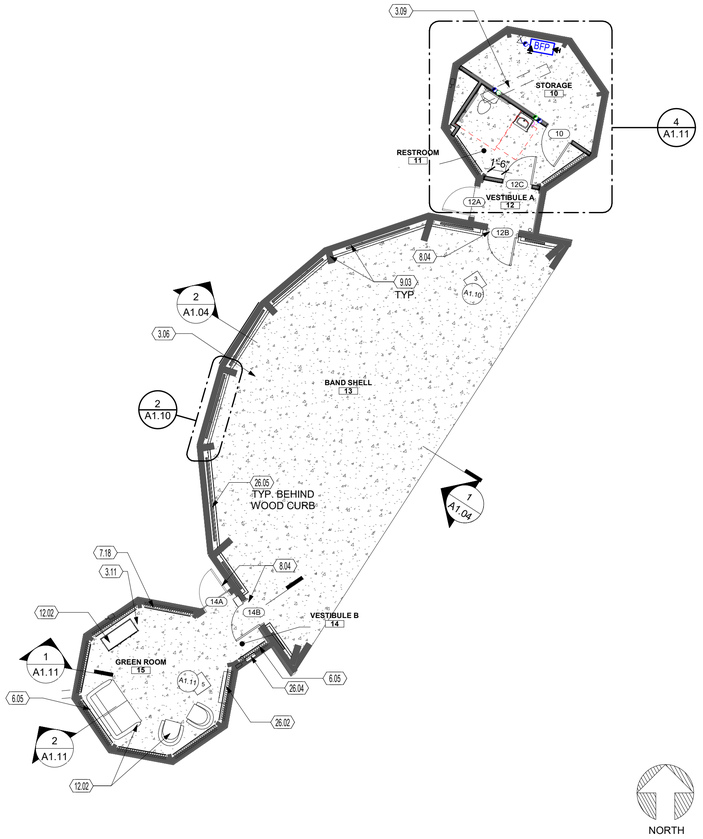

3 BAND SHELL NEW WORK FLOOR PLAN

SCALE | 1/8" = 1'-0"

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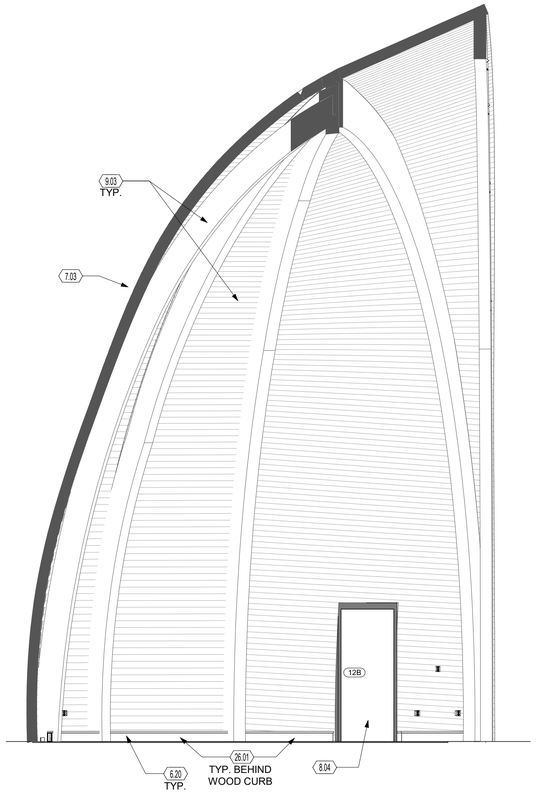

2 BAND SHELL NEW WORK SECTION

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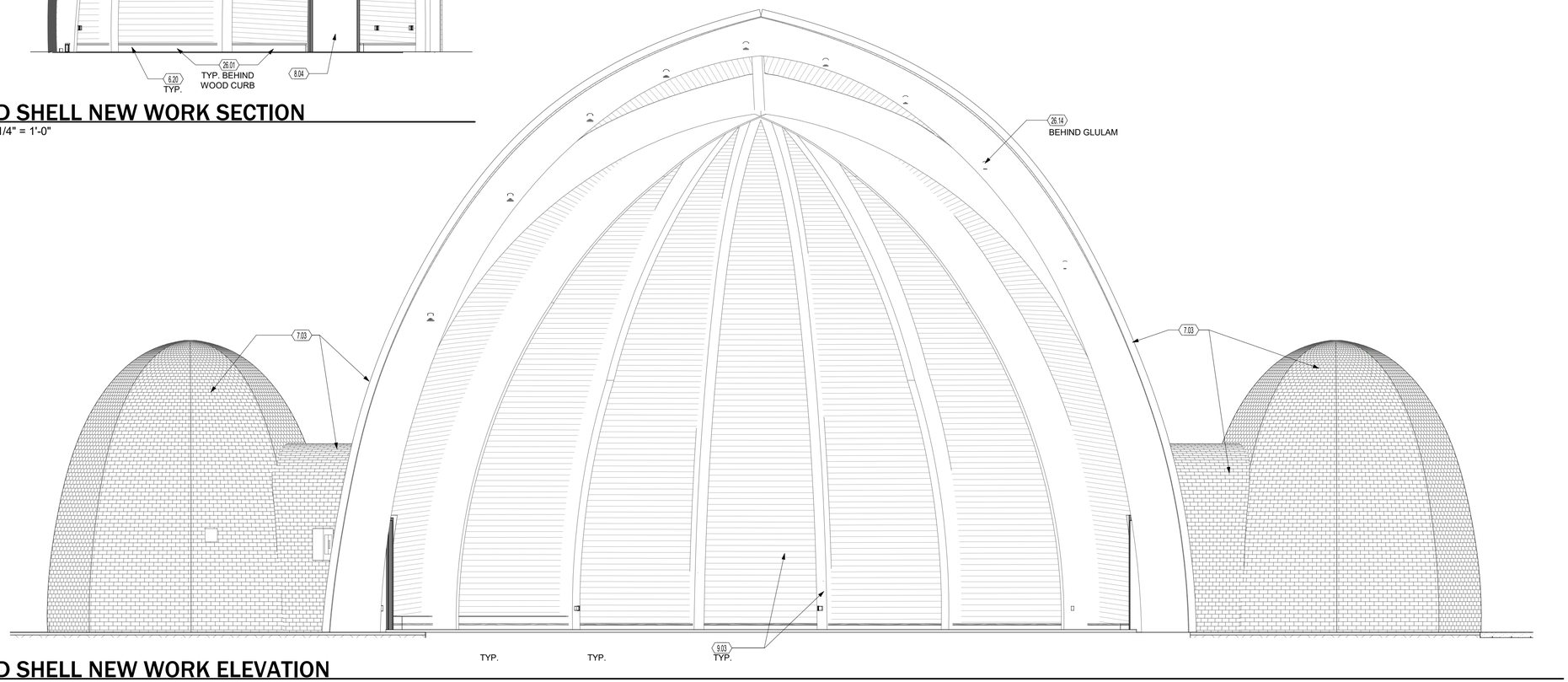

1 BAND SHELL NEW WORK ELEVATION

SCALE | 1/4" = 1'-0"

##.## KEYNOTES

6.20	HORIZONTAL WOOD TRIM AND LIGHT FIXTURE MOUNTING INFILL BETWEEN STRUCTURAL RIBS. REFER TO RELATED DETAIL. FINISH TO MATCH BAND SHELL INTERIOR.
7.03	REPAIR/REPLACE ANY DAMAGED, LOOSE OR MISSING ASPHALT SHINGLES. MATCH EXISTING SHINGLES.
8.04	NEW DOOR/FRAME/HARDWARE AS SCHEDULED IN EXISTING OPENING. PREP OPENING AS REQUIRED.
9.03	PROVIDE NEW FINISH ON EXPOSED WOOD SURFACES OF BAND SHELL AND STRUCTURAL RIBS. REPAIR/PREP SURFACES AS REQUIRED.
26.01	WOOD FRAMED ELECTRICAL HOUSING WITH LINEAR UPLIGHT INSIDE. REFER TO RELATED DRAWINGS.
26.14	EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

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MARK C. WISEMAN
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REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
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BAND SHELL - NEW WORK

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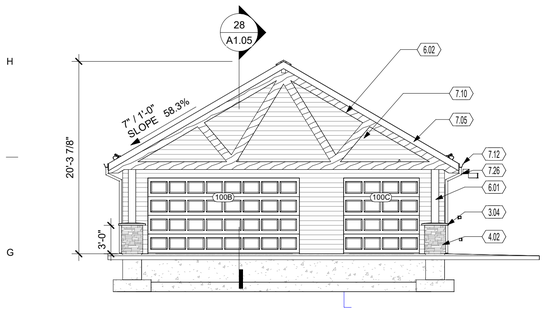
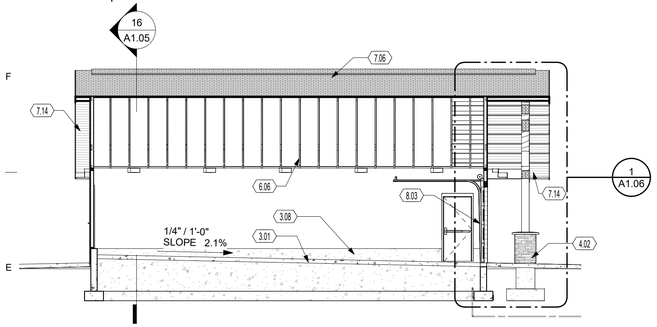


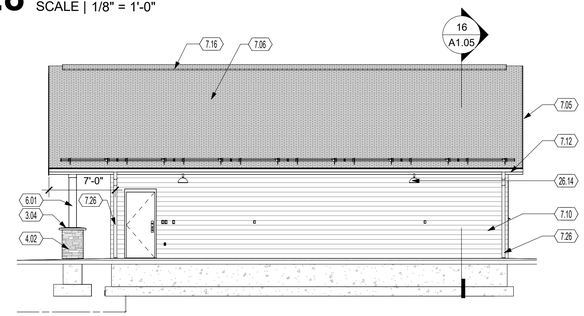
29 UTILITY BLDG - SOUTH ELEVATION

SCALE | 1/8" = 1'-0"



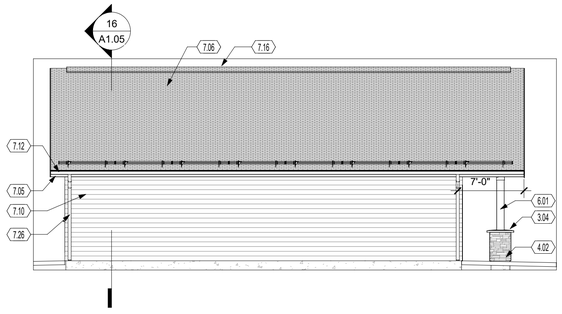
28 UTILITY BLDG SECTION 1

SCALE | 1/8" = 1'-0"



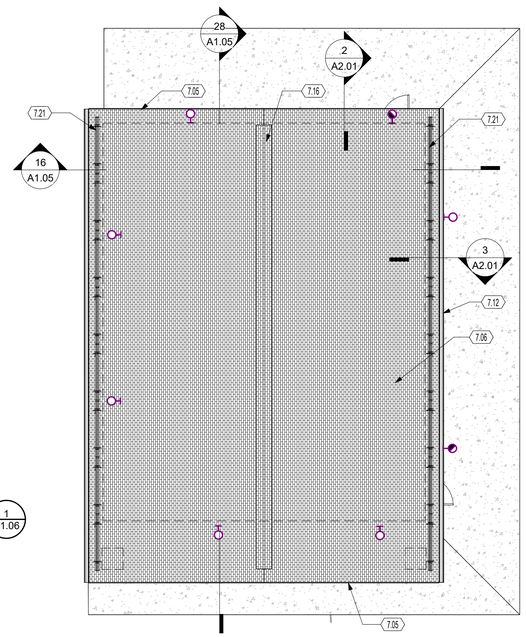
27 UTILITY BLDG - EAST ELEVATION

SCALE | 1/8" = 1'-0"



26 UTILITY BLDG - WEST ELEVATION

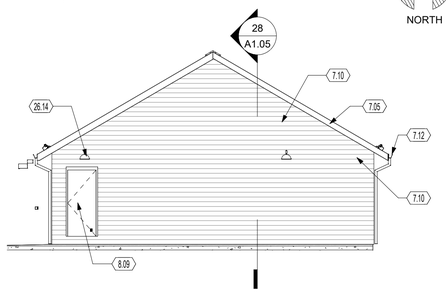
SCALE | 1/8" = 1'-0"



18 UTILITY BUILDING ROOF PLAN

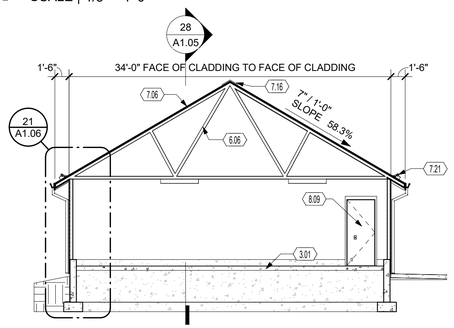
SCALE | 1/8" = 1'-0"

NORTH



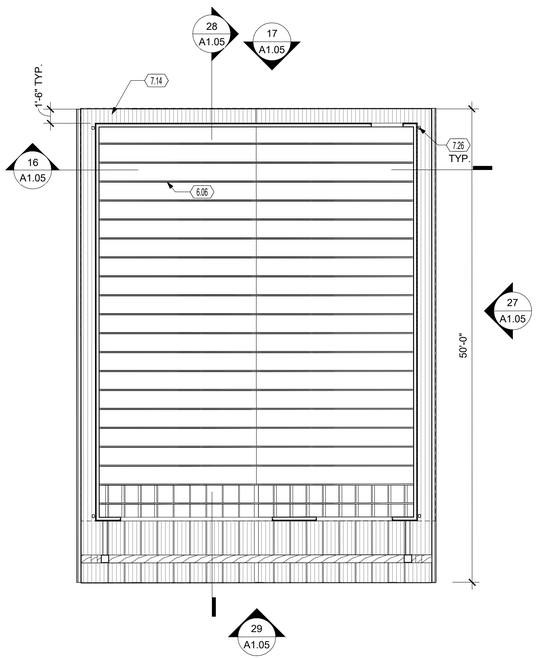
17 UTILITY BLDG - NORTH ELEVATION

SCALE | 1/8" = 1'-0"



16 UTILITY BLDG SECTION 2

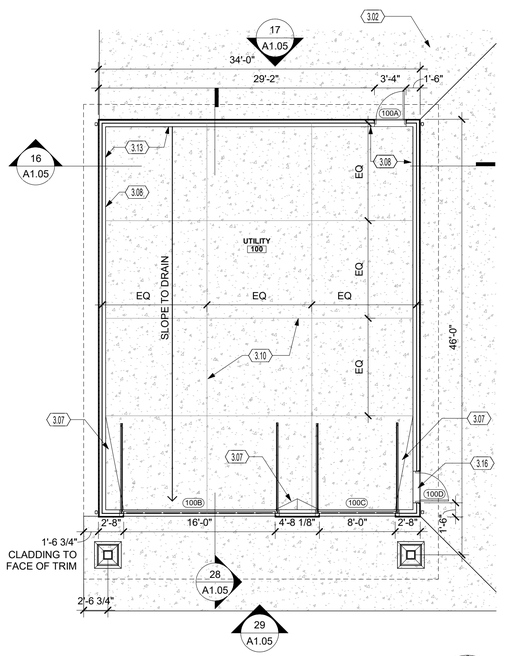
SCALE | 1/8" = 1'-0"



3 UTILITY BUILDING RCP

SCALE | 1/8" = 1'-0"

NORTH



1 UTILITY BLDG FLOOR PLAN

SCALE | 1/8" = 1'-0"

NORTH

GENERAL PLAN NOTES

A. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL/DATA CONTRACTORS, ARCHITECT, AND CONSTRUCTION MANAGER SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, AND WALL MOUNTED EQUIPMENT, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.
B. ALL TWO-SIDED NEW INTERIOR PARTITIONS ARE A-1 UNLESS NOTED OTHERWISE.
C. ALL WALLS ARE FULL HEIGHT TO DECK ABOVE, UNLESS NOTED OTHERWISE.
D. SEE LANDSCAPE PLANS FOR SITE PLANTINGS, SITE CONCRETE, AND FENCE DETAILS.
E. SEE CIVIL PLANS FOR SITE DRAINAGE, CONTOURS, GRADING, STORMWATER CALCULATIONS AND RETENTION.
F. SEE SHEETS A6.01 FOR WINDOW ELEVATIONS
G. SEE SHEET G0.02 FOR TYPICAL MOUNTING HEIGHTS.
H. CONTRACTOR TO PROVIDE FIRE RETARDANT WOOD BLOCKING BACK-UP IN ALL STUD WALL ASSEMBLIES AS REQUIRED FOR MOUNTING OF ALL WALL HUNG ACCESSORIES, HUNG FIXTURES, VISUAL DISPLAYS, ETC. COORDINATE WITH OWNER PROVIDED EQUIPMENT AND LOCATIONS.

##.## KEYNOTES

3.01 CONCRETE SLAB. SEE STRUCTURAL DRAWINGS.
3.02 NEW CONCRETE PAVING - SEE CIVIL DRAWINGS
3.04 CAST STONE CAP - SEE DETAIL FOR PROFILE
3.07 WARP SLAB FOR POSITIVE DRAINAGE TOWARD DOOR OPENINGS.
3.08 NEW CONCRETE STEM WALL. REFER TO STRUCTURAL DRAWINGS. STEP WALL AT DOOR OPENINGS
3.10 CONCRETE SLAB SAWCUT
3.13 SLAB ISOLATION JOINT WITH THERMAL BREAK MATERIAL
3.16 STEP STEM WALL AT DOOR OPENING. ESTABLISH DOOR THRESHOLD AT SLAB ELEVATION, INCLUDING WASH TO AVOID TRIP HAZARD.
4.02 ADHERED STONE VENEER AS SPECIFIED
6.01 HEAVY TIMBER COLUMN - REFER TO STRUCTURAL
6.02 HEAVY TIMBER TRUSS , PROVIDE FILLET AT ALL EDGES- REFER TO STRUCTURAL.
6.06 PRE-ENGINEERED WOOD TRUSS. REFER TO STRUCTURAL DRAWINGS.
7.05 WOOD FASCIA WITH SPECIFIED FINISH
7.06 ASPHALT SHINGLE ROOF, UNDERLAYMENT AND, SHEATHING
7.10 FIBER CEMENT SIDING AS SPECIFIED. TRIM ALL OPENINGS WITH MANUF. STD TRIMS TO MATCH SPECIFIED FINISH. PROVIDE MANUFACTURER STANDARD TRIMS ON ALL PERIMETER CONDITIONS.
7.12 PREFINISHED METAL GUTTER AND METAL DRIP EDGE
7.14 LAMINATED DECKING WITH SPECIFIED FINISH
7.16 RIDGE VENT CAPPED WITH ASPHALT SHINGLES
7.21 SNOW GUARD AS SPECIFIED
7.26 PREFINISHED METAL DOWNSPOUT. SEE CIVIL DRAWING FOR CONNECTION TO STORM DRAINAGE
8.03 OVERHEAD SECTIONAL DOOR AND TRACK
8.09 NEW DOOR, FRAME AND HARDWARE AS SPECIFIEDEK
26.14 EXTERIOR LIGHT FIXTURE. SEE ELECTRICAL DRAWINGS.

REFER TO ALTERNATE G4 IN PROJECT MANUAL

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UTILITY BUILDING

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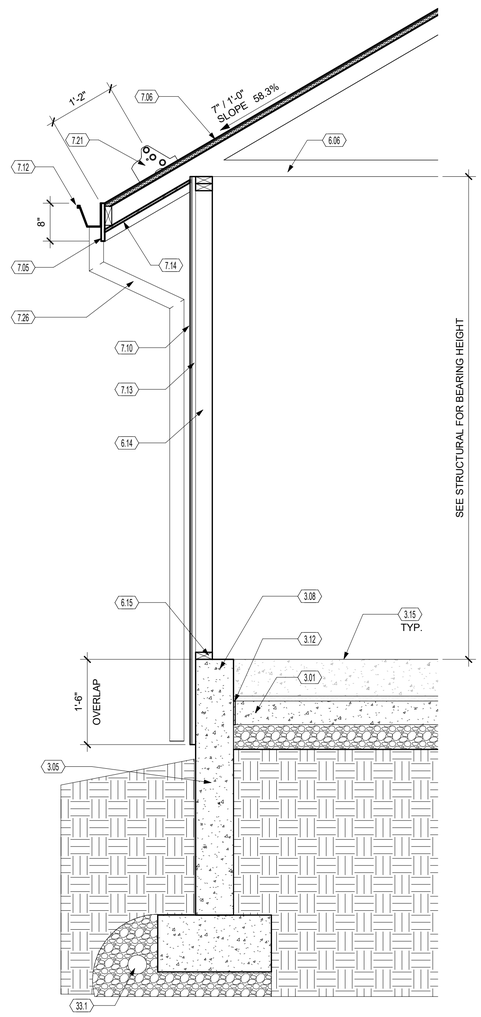
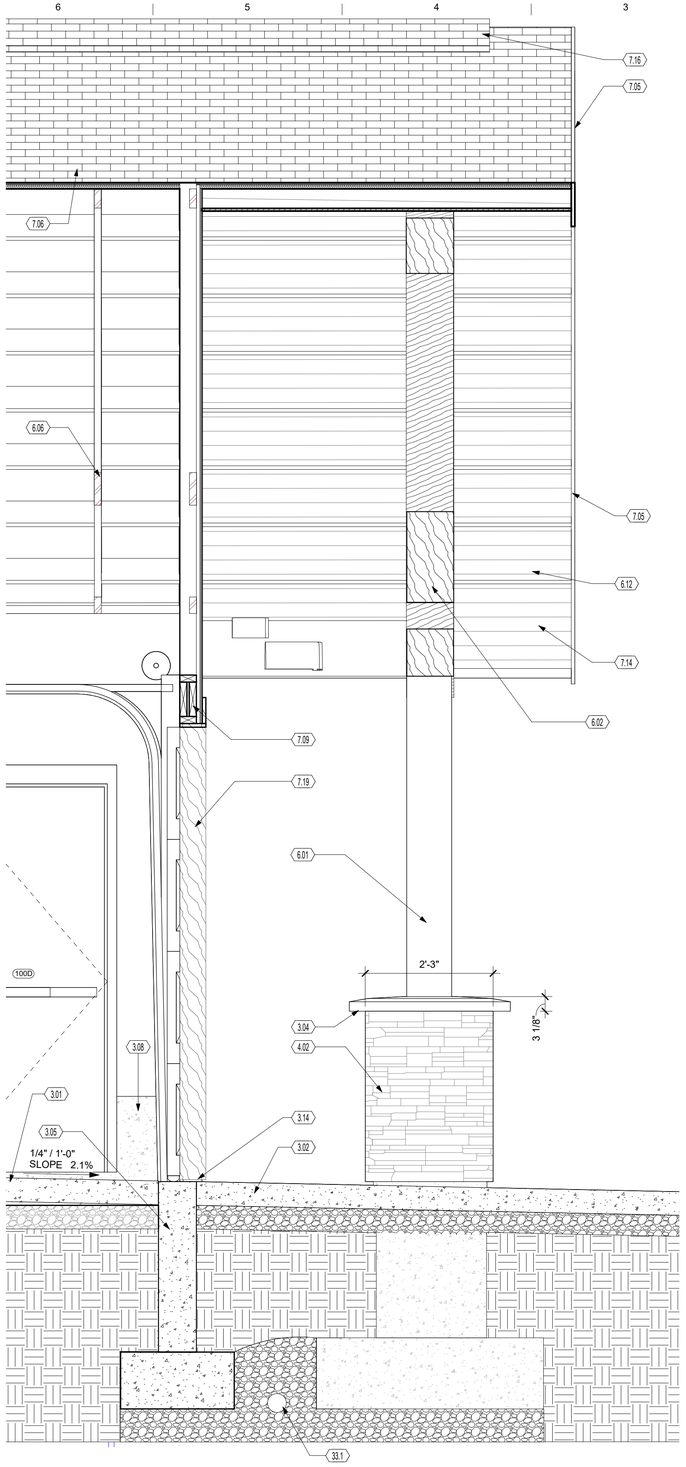


21 UTILITY BLDG WALL SECTION 1

SCALE | 3/4" = 1'-0"



1 UTILITY BLDG WALL SECTION 2

SCALE | 3/4" = 1'-0"

GENERAL WALL SECTION NOTES

A. REFER TO MEP/FP DRAWINGS FOR ADDITIONAL PROJECT REQUIREMENTS.
B. REFER TO STRUCTURAL DRAWINGS FOR SPECIFIC DETAILING AND REQUIREMENTS FOR STRUCTURAL ELEMENTS.
C. REFER TO FINISH NOTES FOR DESIGN INTENT ON EXPOSED WOOD ELEMENTS AND THEIR ASSOCIATED FINISH.
D. UTILITY BUILDING WALL FRAMING SHALL BE EXPOSED ON THE STRUCTURE INTERIOR.
E. EXPOSED WOOD MEMBERS SHALL BE CHAMFORED FOR BAT PROOFING. REFER TO DETAIL.

KEYNOTES

3.01	CONCRETE SLAB. SEE STRUCTURAL DRAWINGS.
3.02	NEW CONCRETE PAVING - SEE CIVIL DRAWINGS
3.04	CAST STONE CAP - SEE DETAIL FOR PROFILE
3.05	CONCRETE FOUNDATION WALL AND FOOTING - SEE STRUCTURAL DRAWINGS
3.08	NEW CONCRETE STEM WALL. REFER TO STRUCTURAL DRAWINGS. STEP WALL AT DOOR OPENINGS
3.12	NEW ISOLATED, REINFORCED FLOOR SLAB FOR CMM COORDINATE FINAL SIZE WITH OWNER PROVIDED EQUIPMENT - SEE STRUCTURAL
3.14	TRANSITION BETWEEN SLAB, STEM WALL AND SITE PAVING. ENSURE LEVEL TRANSITION. REFER TO RELATED DRAWINGS.
3.15	SMOOTH FINISH ON TOP OF FOUNDATION WALL
4.02	ADHERED STONE VENEER AS SPECIFIED
6.01	HEAVY TIMBER COLUMN - REFER TO STRUCTURAL
6.02	HEAVY TIMBER TRUSS , PROVIDE FILLET AT ALL EDGES- REFER TO STRUCTURAL.
6.06	PRE-ENGINEERED WOOD TRUSS. REFER TO STRUCTURAL DRAWINGS.
6.12	2 X 6 FRAMING @ 2'-0" O.C. OVER TRUSS, PROVIDE FILLET AT ALL EXPOSED EDGES. - SEE STRUCTURAL DRAWINGS.
6.14	2X4 WOOD STUDS @ 16" O.C.
6.15	TREATED WOOD SILL PLATE SET IN CONTINUOUS BED OF SEALANT.
7.05	WOOD FASCIA WITH SPECIFIED FINISH
7.06	ASPHALT SHINGLE ROOF, UNDERLAYMENT AND, SHEATHING
7.09	WOOD HEADER ASSEMBLY. REFER TO STRUCTURAL DRAWINGS.
7.10	FIBER CEMENT SIDING AS SPECIFIED. TRIM ALL OPENINGS WITH MANUF. STD TRIMS TO MATCH SPECIFIED FINISH. PROVIDE MANUFACTURER STANDARD TRIMS ON ALL PERIMETER CONDITIONS.
7.12	PREFINISHED METAL GUTTER AND METAL DRIP EDGE
7.13	BUILDING WRAP - TYVEK OR EQUAL
7.14	LAMINATED DECKING WITH SPECIFIED FINISH
7.16	RIDGE VENT CAPPED WITH ASPHALT SHINGLES
7.19	STANDARD SIDING TRIM. RETURN AT ALL OPENINGS. TYPICAL.
7.21	SNOW GUARD AS SPECIFIED
7.26	PREFINISHED METAL DOWNSPOUT. SEE CIVIL DRAWING FOR CONNECTION TO STORM DRAINAGE
33.1	FOUNDATION DRAIN TILE. REFER TO CIVIL DRAWINGS

REFER TO ALTERNATE G4 IN PROJECT MANUAL

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REGISTERED ARCHITECT

Mark C. Wiseman, License #13215
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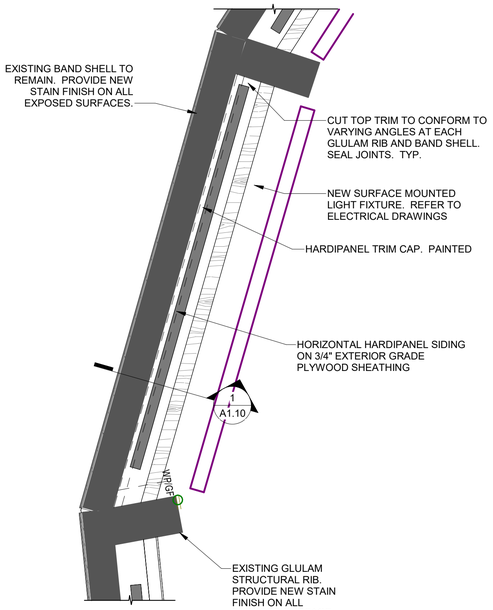
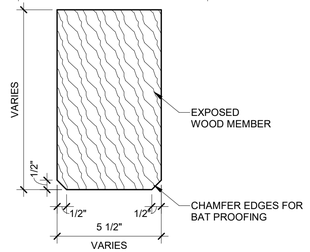
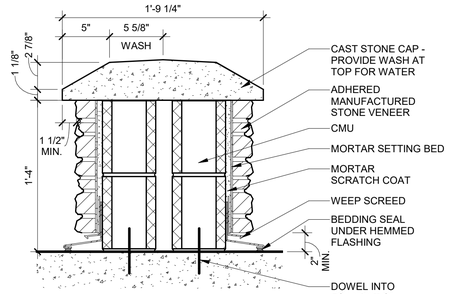


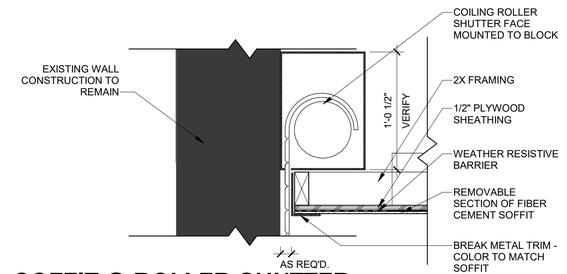
2 BAND SHELL RIB & UPLIGHT DETAIL
SCALE | 3/4" = 1'-0"



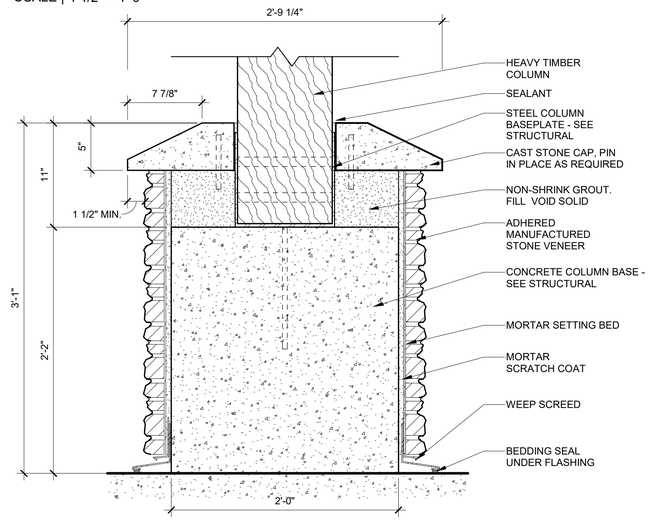
5 CHAMFER @ EXPOSED MEMBERS
SCALE | 3" = 1'-0"



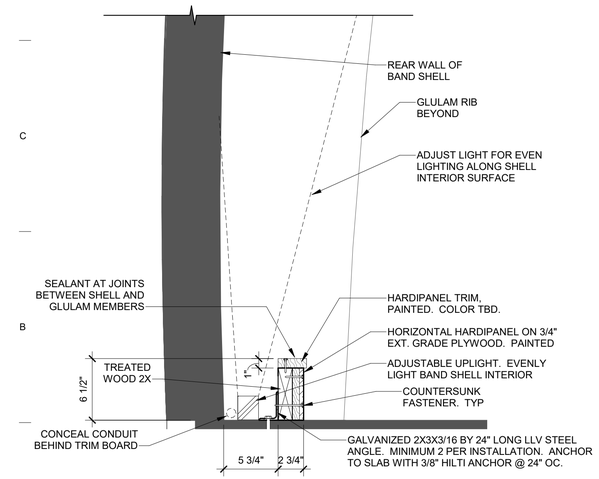
4 STONE KNEE WALL
SCALE | 1 1/2" = 1'-0"



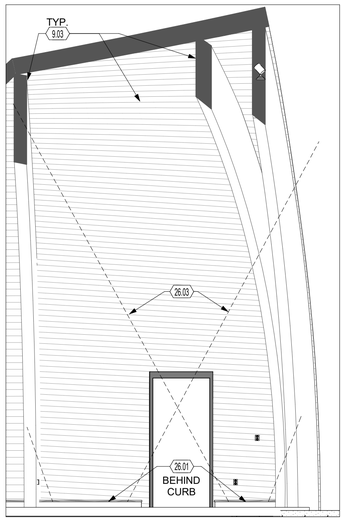
8 SOFFIT @ ROLLER SHUTTER
SCALE | 1 1/2" = 1'-0"



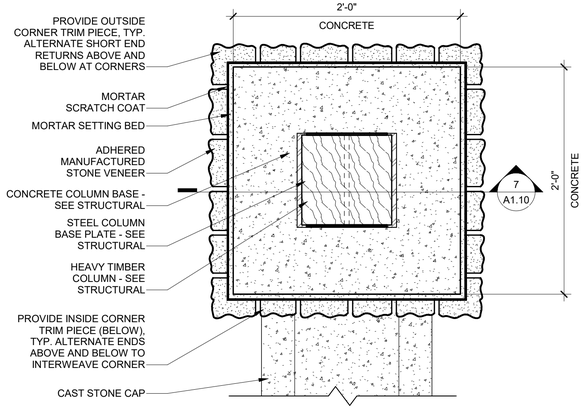
7 COLUMN BASE
SCALE | 1 1/2" = 1'-0"



1 LIGHT HOUSING DETAIL
SCALE | 1 1/2" = 1'-0"



3 SHELL INTERIOR DOOR ELEV.
SCALE | 1/4" = 1'-0"



6 STONE COLUMN BASE
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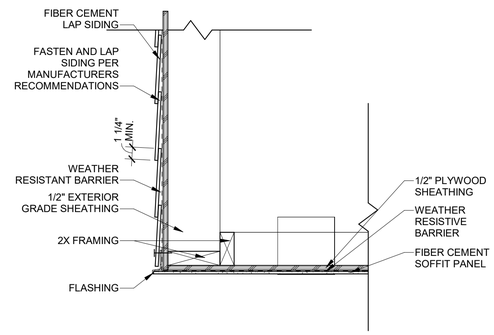

9 SOFFIT @ WALL
SCALE | 1 1/2" = 1'-0"

KEYNOTES

9.03	PROVIDE NEW FINISH ON EXPOSED WOOD SURFACES OF BAND SHELL AND STRUCTURAL RIBS. REPAIR/PREP SURFACES AS REQUIRED.
26.01	WOOD FRAMED ELECTRICAL HOUSING WITH LINEAR UPLIGHT INSIDE. REFER TO RELATED DRAWINGS.
26.03	ADJUST UPLIGHTS TO ENSURE EVEN ILLUMINATION OF BAND SHELL INTERIOR SURFACE. TYPICAL.

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ENLARGED PLANS, ELEVATIONS, DETAILS

sheet number
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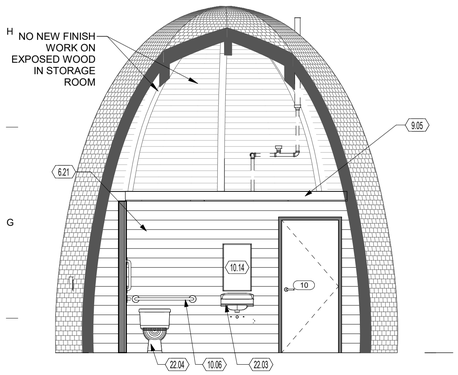
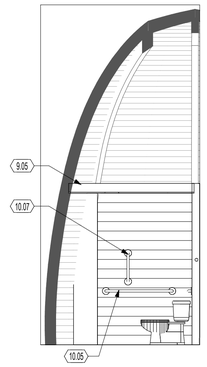
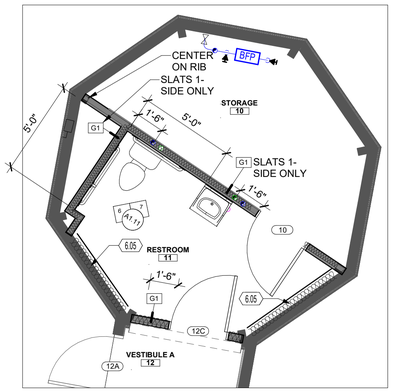


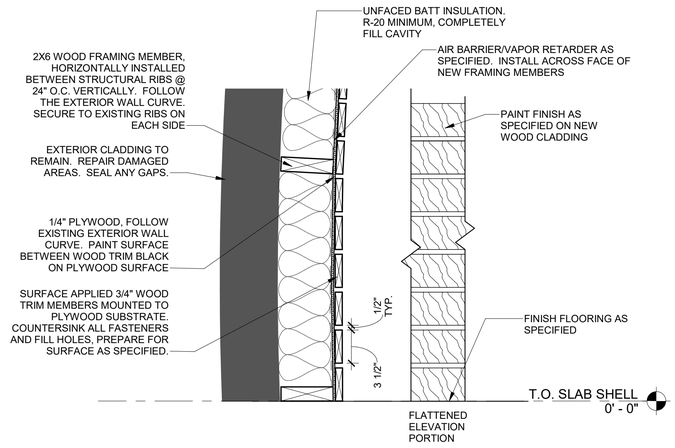
7 RESTROOM ELEVATION 1
SCALE | 1/4" = 1'-0"



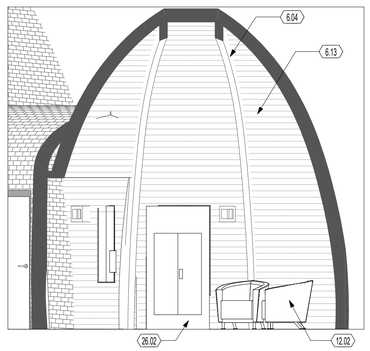
6 RESTROOM ELEVATION 2
SCALE | 1/4" = 1'-0"



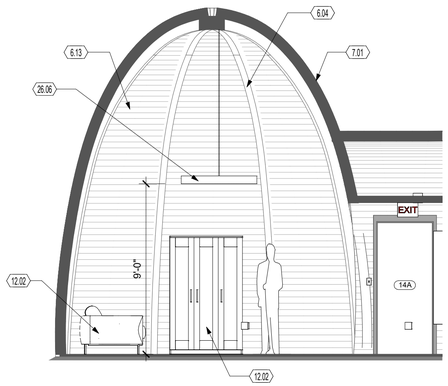
4 ENLARGED RESTROOM PLAN
SCALE | 1/4" = 1'-0"



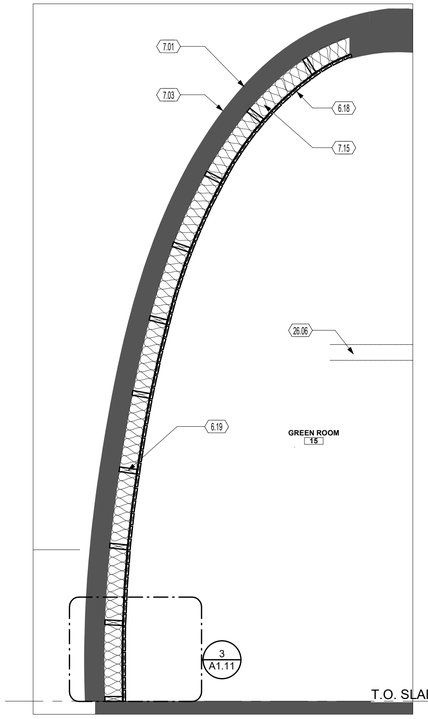
3 GREEN ROOM WALL FINISH DETAIL
SCALE | 1 1/2" = 1'-0"



5 GREEN ROOM INTERIOR ELEVATION
SCALE | 1/4" = 1'-0"



2 GREEN ROOM POD SECTION
SCALE | 1/4" = 1'-0"



1 GREEN ROOM WALL SECTION
SCALE | 1/2" = 1'-0"

KEYNOTES

6.04	EXISTING GLULAM MEMBER TO REMAIN. PROVIDE NEW STAIN FINISH AS SPECIFIED.
6.05	HORIZONTAL FRAMING INFILL, UKINSULATION, INTERIOR SHEATHING AND 3/4" HORIZONTAL WOOD SLAT FINISH, FULL HEIGHT OF INTERIOR. REFER TO DETAILS
6.13	3/4" X 3-1/2" WOOD TRIM BOARDS APPLIED TO 1/4" PLYWOOD. REFER TO DETAILS
6.18	3/4" X 3-1/2" WOOD TRIM.
6.19	2X6 WOOD MEMBER, BETWEEN GLULAM MEMBERS, HORIZONTALLY @ 24" O.C. VERTICALLY
6.21	3/4" HORIZONTAL WOOD SLAT FINISH, FULL HEIGHT OF INTERIOR. REFER TO DETAIL THIS SHEET.
7.01	EXISTING ROOF TO REMAIN
7.03	REPAIR/REPLACE ANY DAMAGED, LOOSE OR MISSING ASPHALT SHINGLES. MATCH EXISTING SHINGLES.
7.15	R-20 UNFACED BATT INSULATION. FILL CAVITY COMPLETELY
9.05	GYPSUM BOARD CEILING APPLIED TO 2X6 WOOD FRAMING MEMBERS, 24" O.C.
10.05	42" GRAB BAR
10.06	36" GRAB BAR
10.07	18" VERTICAL BAR
10.14	18" X 36" WALL MOUNTED MIRROR - CENTERED ON LAVATORY
12.02	FURNITURE & EQUIPMENT BY OWNER.
22.03	LAVATORY WITH PIPE PROTECTION. SEE PLUMBING DRAWINGS.
22.04	NEW TOILET. SEE PLUMBING DRAWINGS
26.02	ELECTRICAL PANEL. REFER TO RELATED DRAWINGS. PROVIDE WOOD TRIM AS REQUIRED AROUND UNIT.
26.06	SUSPENDED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS

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project number
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NORTH & SOUTH POD DETAILS

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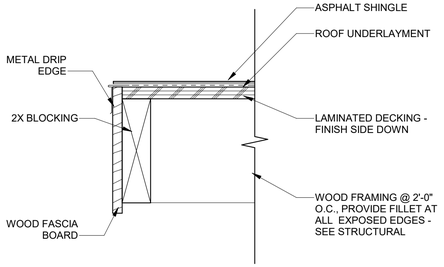
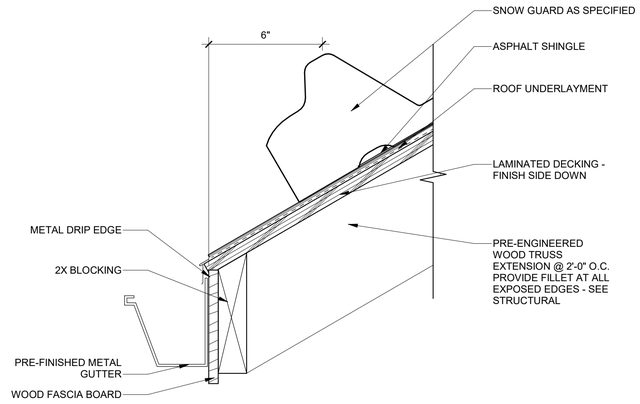
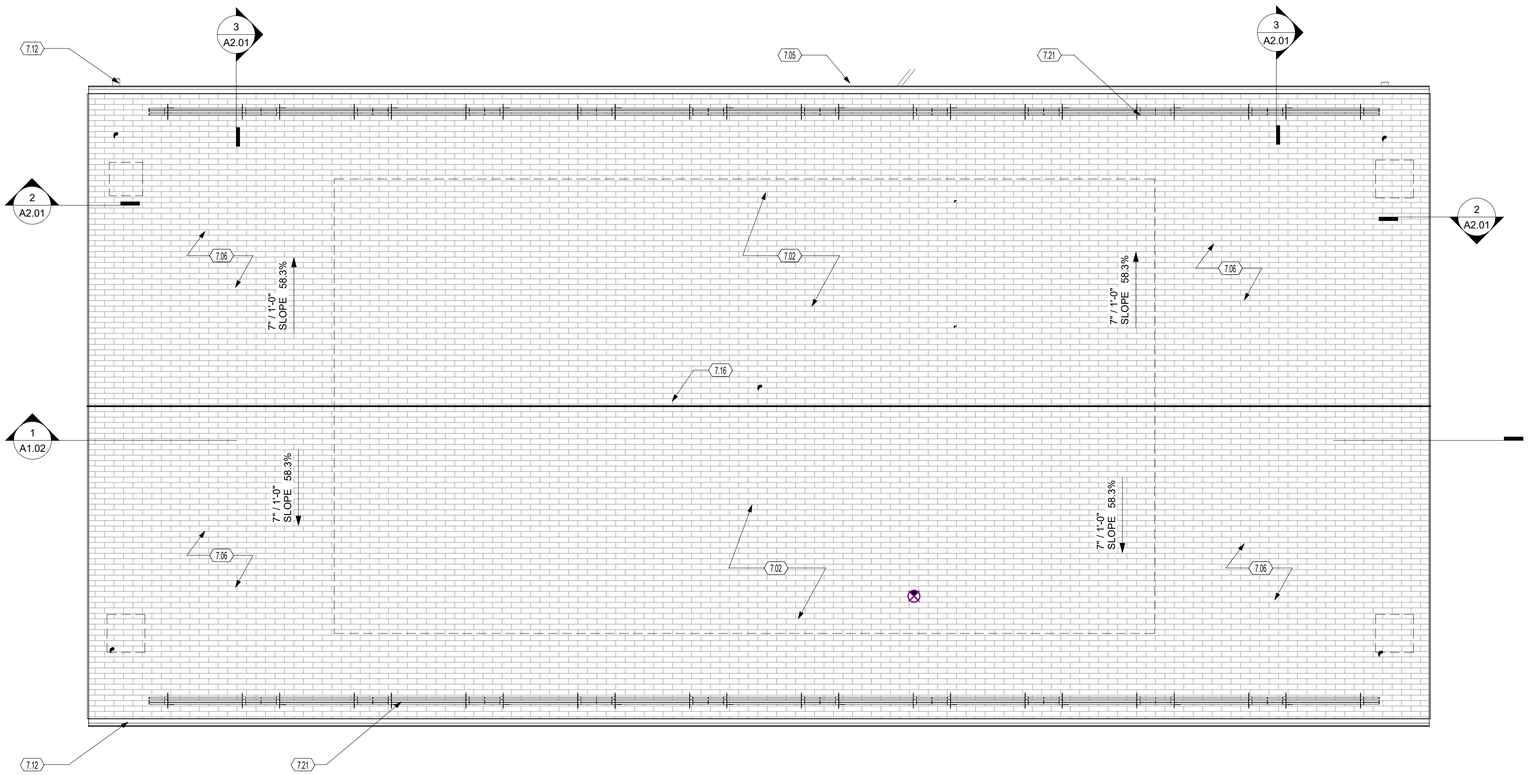


2 ROOF EDGE
SCALE | 3" = 1'-0"



3 ROOF EDGE AT GUTTER
SCALE | 3" = 1'-0"



1 CONCESSION BUILDING - ROOF
SCALE | 1/4" = 1'-0"

NORTH

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GENERAL NOTES

A. REEFER TO PM&E DRAWINGS FOR ROOF MOUNTED EQUIPMENT.

B. COORDINATE RIDGE AND VALLEYS WITH STRUCTURAL DRAWINGS. MAINTAIN MINIMUM 1/4" PER FOOT SLOPE.

C. ALL ROOF AREAS TO HAVE SINGLE MEMBRANE ROOFING

D. COORDINATE ROOF PENETRATIONS WITH PLUMBING, MECHANICAL, AND ELECTRICAL DRAWINGS.

E. ALL FLASHING BOOTS AND OTHER ROOFING ACCESSORIES REQUIRED FOR PENETRATION SHALL BE PROVIDED BY THE ROOFING CONTRACTOR.

##.## KEYNOTES

7.02	ASPHALT SHINGLE ROOF AND UNDERLAYMENT OVER EXISTING ROOF SHEATHING
7.05	WOOD FASCIA WITH SPECIFIED FINISH
7.06	ASPHALT SHINGLE ROOF, UNDERLAYMENT AND, SHEATHING
7.12	PREFINISHED METAL GUTTER AND METAL DRIP EDGE
7.16	RIDGE VENT CAPPED WITH ASPHALT SHINGLES
7.21	SNOW GUARD AS SPECIFIED

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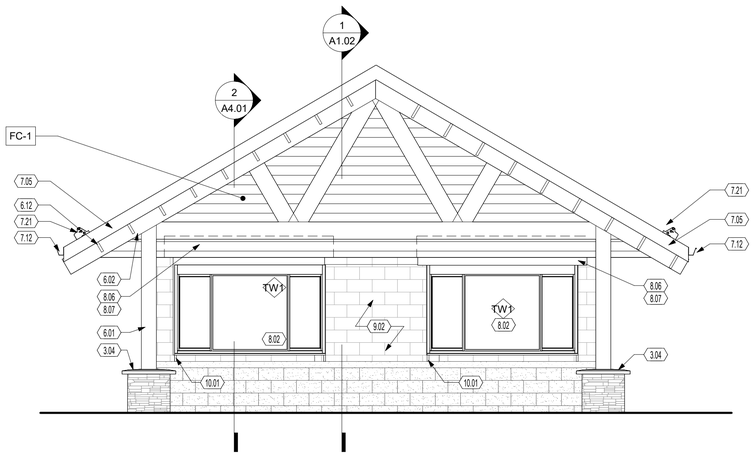
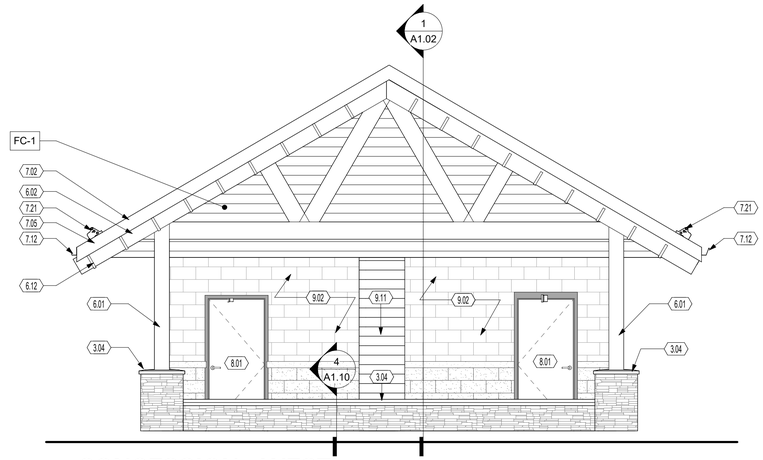
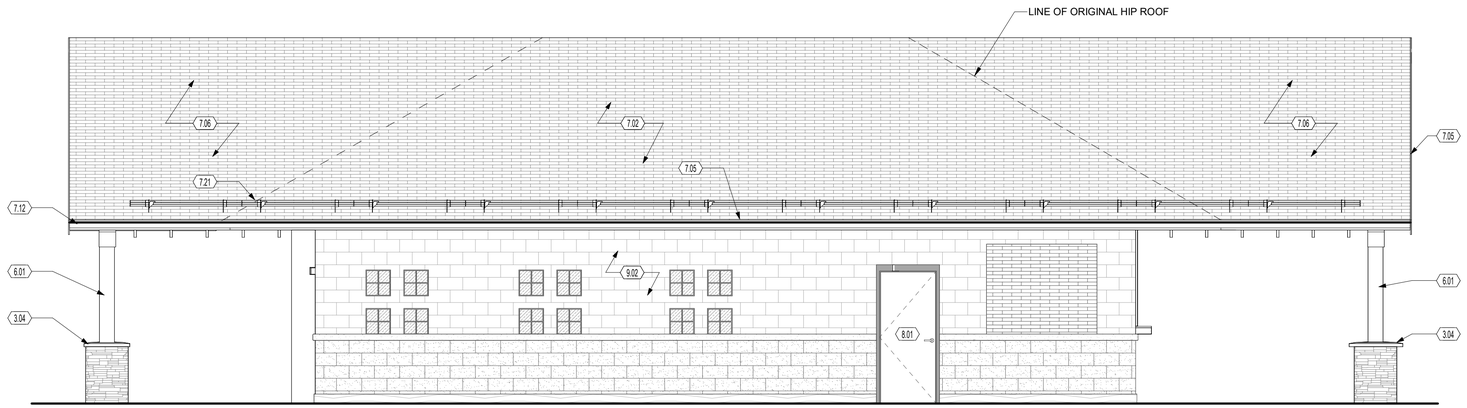


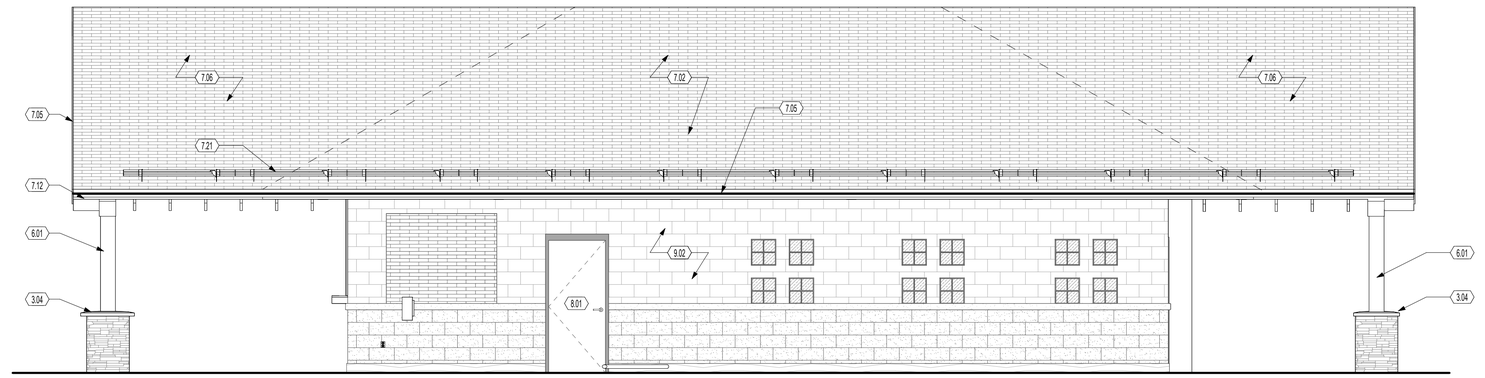
4 CONCESSION - EAST
SCALE | 1/4" = 1'-0"



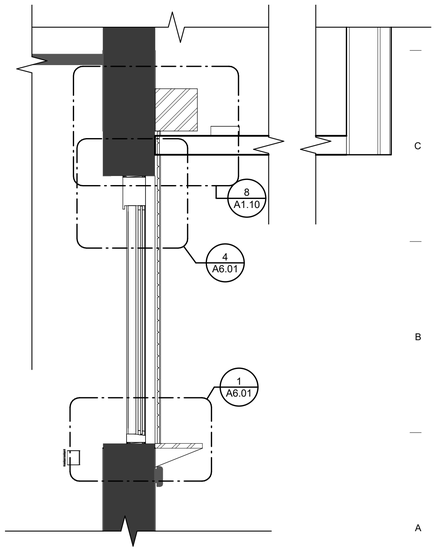
5 CONCESSION - WEST
SCALE | 1/4" = 1'-0"



3 CONCESSION - SOUTH
SCALE | 1/4" = 1'-0"



1 CONCESSION - NORTH
SCALE | 1/4" = 1'-0"



2 ROLLING SHUTTER @ SOFFIT
SCALE | 3/4" = 1'-0"

GENERAL NOTES - ELEVATIONS

A. SEE G-002 FOR TYPICAL FIXTURE AND ACCESSORY MOUNTING HEIGHTS AND DIMENSIONS
B. SEE FINISH PLANS FOR ALL SCHEDULED FINISHES
C. PRIOR TO GYPSUM BOARD INSTALLATION, ALL EXPOSED PENETRATIONS SHALL BE REVIEWED BY OWNER/ARCHITECT
D. CONTRACTOR TO ASSUME THAT ALL WALLS ARE NOT THE SAME COLOR OR MAY BE CHANGED PRIOR TO PAINTING. CONTRACTOR TO COORDINATE FINAL WALL COLOR SELECTION WITH ARCHITECT AND OWNER PRIOR TO APPLICATION.

##.## KEYNOTES

3.04	CAST STONE CAP - SEE DETAIL FOR PROFILE
6.01	HEAVY TIMBER COLUMN - REFER TO STRUCTURAL
6.02	HEAVY TIMBER TRUSS , PROVIDE FILLET AT ALL EDGES- REFER TO STRUCTURAL.
6.12	2 X 6 FRAMING @ 2'-0" O.C. OVER TRUSS, PROVIDE FILLET AT ALL EXPOSED EDGES. - SEE STRUCTURAL DRAWINGS.
7.02	ASPHALT SHINGLE ROOF AND UNDERLAYMENT OVER EXISTING ROOF SHEATHING
7.05	WOOD FASCIA WITH SPECIFIED FINISH
7.06	ASPHALT SHINGLE ROOF, UNDERLAYMENT AND, SHEATHING
7.12	PREFINISHED METAL GUTTER AND METAL DRIP EDGE
7.21	SNOW GUARD AS SPECIFIED
8.01	EXISTING DOOR AND FRAME TO BE PAINTED - REFER TO FINISH SCHEDULE
8.02	NEW TRANSACTION WINDOW
8.06	OVERHEAD ROLLING COUNTER DOOR
8.07	PROVIDE REMOVABLE ACCESS PANEL IN SOFFIT. COORDINATE FINAL SIZE WITH SHUTTER MANUFACTURER TO ALLOW FOR MAINTENANCE OF UNIT. SECURE WITH FLUSH, TAMPER RESISTANT HARDWARE.
9.02	EXISTING CMU TO BE PAINTED - REFER TO FINISH SCHEDULE
9.11	NEW CHASE CLAD IN CEDAR - STAIN TO MATCH TRUSSES. SEE PME FOR ADDITIONAL INFORMATION
10.01	STAINLESS STEEL TRANSACTION COUNTER

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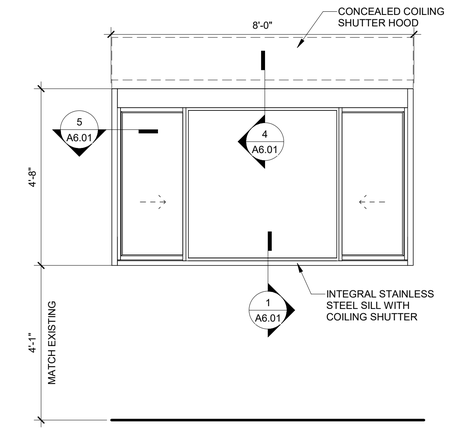
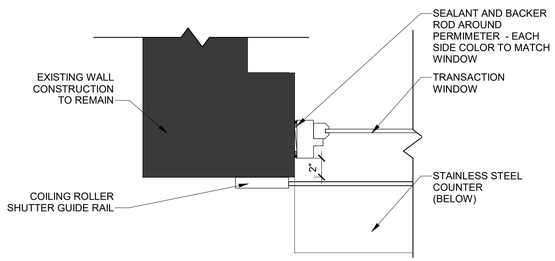


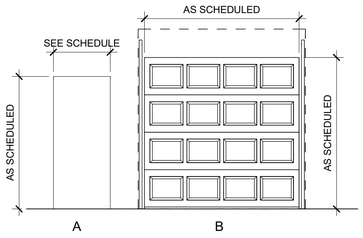
6 TRANSACTION WINDOW
SCALE | 1/2" = 1'-0"



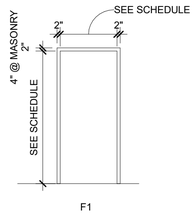
5 TRANSACTION WINDOW - JAMB
SCALE | 1 1/2" = 1'-0"

DOOR SCHEDULE

	DOOR						FRAME			DETAILS			HARDWARE SET	
DR #	TYPE	WIDTH	HEIGHT	THICK	MATERIAL	FINISH	TYPE	MATERIAL	FINISH	JAMB	HEAD	NOTES		DOOR #
01	A	3' - 0"	7' - 0"	1 3/4"	EXIST.	PAINT	EXIST	EXIST.	PAINT	-	-		1	01
02	A	3' - 0"	7' - 0"	1 3/4"	EXIST.	PAINT	EXIST	EXIST.	PAINT	-	-		1	02
03	A	3' - 0"	7' - 0"	1 3/4"	EXIST.	PAINT	EXIST	EXIST.	PAINT	-	-		1	03
03A	A	3' - 0"	7' - 0"	1 3/4"	EXIST.	EXIST.	EXIST	EXIST.	PAINT	-	-		3	03A
03B	A	2' - 8"	7' - 0"	1 3/4"	HM	PAINT	F1	HM	PAINT	2/A6.01	3/A6.01		4	03B
04	A	3' - 0"	7' - 0"	1 3/4"	EXIST.	PAINT	EXIST	EXIST.	PAINT	-	-		1	04
10	A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	F1	HM	PAINT	2/A6.01	3/A6.01		4	10
12A	A	3' - 0"	7' - 0"	1 3/4"	EXIST.	PAINT	EXIST	EXIST.	PAINT	-	-		1	12A
12B	A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	F1	HM	PAINT	-	-	FIELD VERIFY OPENING SIZE	4	12B
12C	A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	F1	HM	PAINT	2/A6.01	3/A6.01		5	12C
14A	A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	F1	HM	PAINT	-	-	FIELD VERIFY OPENING SIZE	2	14A
14B	A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	F1	HM	PAINT	-	-	FIELD VERIFY OPENING SIZE	4	14B
100A	A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	F1	HM	PAINT				4	100A
100B	WW	0"	0"	0"										100B
100C	ZZ	0"	0"	0"										100C
100D	A	3' - 0"	7' - 0"	1 3/4"	HM	PAINT	F1	HM	PAINT				2	100D
100G	3	0"	0"	0"										100G
100I	3	0"	0"	0"										100I



DOOR TYPES
SCALE | 1/4" = 1'-0"



FRAME TYPES
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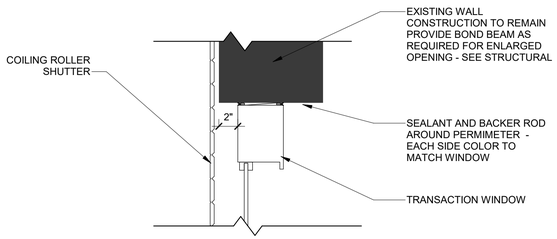
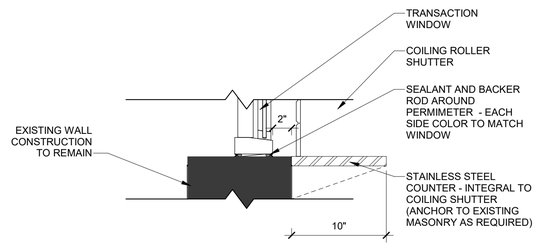
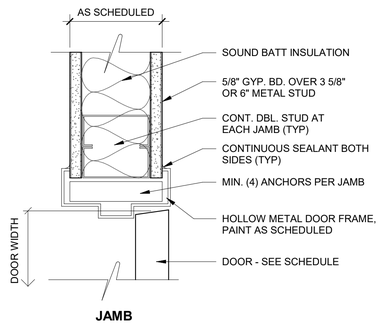


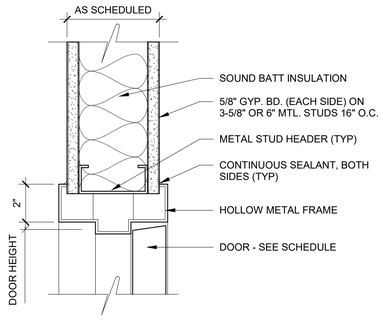
4 TRANSACTION WINDOW - HEAD
SCALE | 1 1/2" = 1'-0"



1 TRANSACTION WINDOW - SILL
SCALE | 1 1/2" = 1'-0"



2 HM DOOR JAMB @ INTERIOR WALL
SCALE | 3" = 1'-0"



3 HM DOOR HEAD @ INTERIOR WALL
SCALE | 3" = 1'-0"

GENERAL NOTES

A. COORDINATE FINAL PLACEMENT OF ALL WALL MOUNTED EQUIPMENT WITH SIGNAGE.
B. PRIOR TO GYPSUM BOARD INSTALLATION AND ELECTRICAL ROUGH-IN INSPECTION, GENERAL CONTRACTORS, ELECTRICAL/DATA CONTRACTORS, ARCHITECT, AND CONSTRUCTION MANAGER SHALL REVIEW IN-PLACE LOCATIONS OF ALL SWITCH BOXES, RECEPTACLE BOXES, FIRE ALARM BOXES, ETC. FINAL LOCATIONS MAY BE ADJUSTED AT THIS TIME TO ALIGN OR COORDINATE WITH DESIGN INTENT.
C. ALL TWO-SIDED NEW INTERIOR PARTITIONS ARE P-1 UNLESS NOTED OTHERWISE.
D. ALL ONE-SIDED INTERIOR PARTITIONS ARE P-4 UNLESS NOTED OTHERWISE.
E. ALL WALLS ARE FULL HEIGHT TO DECK ABOVE UNLESS NOTED OTHERWISE.
F. CG = CORNER GUARD, 8'-0" HIGH, MOUNTED DIRECTLY ABOVE THE BASE. CORNER GUARDS TO BE INSTALLED ON EVERY OUTSIDE CORNER.
G. SEE BUILDING ELEVATIONS FOR BRICK SCHEDULE.
H. PROVIDE DEFLECTION TRACK AT THE TOP OF ALL INTERIOR WALLS TERMINATING AT THE UNDERSIDE OF STRUCTURAL ELEMENTS OR ROOF DECK.
I. SEE SPECIFICATIONS FOR SILL CONDITIONS AT UNLIKE FLOOR FINISHES.
J. PAINT WINDOW LITE FRAMES TO MATCH DOOR FRAME UNLESS NOTED OTHERWISE.
K. DOUBLE STUDS AT ALL DOOR OPENINGS.
L. SEAL JOINTS BETWEEN FINISH MATERIAL AND FRAME AT BOTTOM OF DOOR FRAMES.
M. CONTRACTOR TO VERIFY ALL FLOOR TO FLOOR TRANSITIONS THROUGHOUT BUILDING. SEE FLOOR FINISH PLANS.

HARDWARE SET #1 - EXISTING DOOR WITH NEW ACCESS CONTROL
- EXISTING HARDWARE TO REMAIN
- REPLACE EXISTING LOCKSET WITH BATTERY POWERED ACCESS CONTROL LOCKSET AS SPECIFIED.

HARDWARE SET#2 - NEW DOOR WITH ACCESS CONTROL
- 1-1/2 PAIR HINGES
- BATTERY POWERED ACCESS CONTROL LOCKSET
- OVERHEAD CLOSER
- THRESHOLD
- SWEEP
- KICKPLATE
- SILENCERS

HARDWARE SET #3 - EXISTING DOOR WITH NEW LOCKSET
- EXISTING HARDWARE TO REMAIN
- REPLACE EXISTING LOCKSET WITH NEW LOCKSET. STOREROOM FUNCTION

HARDWARE SET #4 - NEW DOOR WITH STOREROOM LOCKSET
- 1-1/2 PAIR HINGES
- STOREROOM LOCKSET
- OVERHEAD CLOSER
- SWEEP
- GASKET
- THRESHOLD
- SILENCERS

HARDWARE SET #5 - NEW DOOR WITH PRIVACY LOCKSET
- 1-1/2 PAIR HINGES
- PRIVACY LOCKSET WITH KEY OVERRIDE
- OVERHEAD CLOSER
- SWEEP
- GASKET
- THRESHOLD
- SILENCERS

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DOOR AND WINDOW SCHEDULE, TYPES, AND DETAILS

sheet number
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FINISH MATERIAL SCHEDULE

KEY NAME	DESCRIPTION	BASIS OF DESIGN	MODEL NAME / COLOR / MODEL NUMBER	SIZE	COMMENTS
CEILING					
ACT-1	ACOUSTICAL CELING TILE	ARMSTRONG	OPTIMA	24" X 24"	
EXP - 1	EXPOSED CEILING	STAINED	SELECTED FROM FULL RANGE		GREEN ROOM VAULTED CEILING
EXP-2	EXPOSED CEILING	-	PAINTED PNT-1		CONCESSION EXPOSED DECKING
FC-1	FIBER CEMENT SOFFIT	JAMES HARDIE	HARDIESOFFIT - NIGHT GRAY		EXTERIOR SOFFIT PLANKS - PROVIDE ALL CORNER AND TRIM PIECES AS REQUIRED FOR CONSTRUCTION
GYP-1	GYPSUM CEILING, PAINTED	ARMSTRONG	SW7006 EXTRA WHITE		
FLOORING					
CO-1	SEALED CONCRETE	-			
P/S/S	POLISH/STAINED/SEALED CONC.	-	GRIND SLAB, WATER BASED STAIN, SEAL	-	EXISTING SLAB AND NEW CONCRETE PATCHING
MISC.					
AS-1	ASPHALT SHINGLE	CERTAINTEED	LANDMARK - DRIFTWOOD		
ST-1	STONE CAPS	MONUMENTAL STONE	SELECTED FROM FULL RANGE		SMOOTH FINISH
WF-1	WOOD FINISH		EXTERIOR - STAIN SYSTEM		
WF-2	WOOD FINISH		EXTERIOR - CLEAR POLYURETHANE		
WF-3	WOOD FINISH		INTERIOR - STAIN SYSTEM		
WF-4	WOOD FINISH		INTERIOR - CLEAR POLYURETHANE		
WALLS					
B-1	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE STANDARD TOE - BLACK 100	6"	
B-2	RUBBER BASE	ROPPE	PINNACLE RUBBER BASE STANDARD TOE - BLACK 100	4"	
FC-2	FIBER CEMENT SIDING	JAMES HARDIE	HARDIEPLANK LAP SIDING - SELECT CEADERMILL - NIGHT GRAY		PROVIDE ALL CORNER AND TRIM PIECES AS REQUIRED FOR CONSTRUCTION
PNT-1	PAINT - CONCESSIONS	SHERWIN WILLIAMS	COLOR MATCH TO FIBER CEMENT SIDING	-	EXTERIOR PAINT
PNT-2	PAINT RESTROOMS	SHERWIN WILLIAMS	TBD	-	
PNT-3	PAINT DOORS - BAND SHELL	SHERWIN WILLIAMS	TBD	-	
PNT-4	PAINT DOORS - CONCESSIONS	SHERWIN WILLIAMS	TBD	-	
PNT-5	PAINT - INTERIOR WOOD TRIM	SHERWIN WILLIAMS	TBD		
PNT-6	PAINT - CONCESSIONS	SHERWIN WILLIAMS	COLOR MATCH EXISTING INTERIOR CONCESSION PAINT	-	
SO-1	STONE VENEER	ELDORADO STONE	ROUGHCUT - VINEYARD TRAIL		PROVIDE ALL CORNER AND TRIM PIECES AS REQUIRED FOR CONSTRUCTION
WT-1	WOOD TRIM		HARDWOOD TRIM	3/4"X 3-1/2"	PNT-5 FINISH

ROOM FINISH SCHEDULE

#	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH				CEILING FINISH
				NORTH	EAST	SOUTH	WEST	
01	MENS	EXISTING TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
02	WOMENS	EXISTING TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
03	CONCESSION	EXISTING TO REMAIN	EXISTING	EXISTING	PNT-6 (AS REQUIRED FROM CONSTRUCTION)	EXISTING	EXISTING	EXISTING
03A	STORAGE	EXISTING TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
03B	IT	EXISTING TO REMAIN	B-2	PNT-6 (AS REQUIRED FROM CONSTRUCTION)	PNT-6 (AS REQUIRED FROM CONSTRUCTION)	PNT-6	PNT-6 (AS REQUIRED FROM CONSTRUCTION)	SHEATHING PAINTED PNT-6
04	JANITOR	EXISTING TO REMAIN	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING	EXISTING
10	STORAGE	CO-1 & P/S/S MOCKUP	N/A	EXPOSED - NO FINISH	EXPOSED - NO FINISH	EXPOSED - NO FINISH	EXPOSED - NO FINISH	SEE SPEC FOR MOCKUP INFO
11	RESTROOM	P/S/S	B-1	WF-4	WF-4	WF-4	WF-4	SEE NOTES ON WOOD FINISHES
12	VESTIBULE A	P/S/S	N/A	WF-4	WF-4	WF-4	WF-4	SEE NOTES ON WOOD FINISHES
13	BAND SHELL	CO-1	N/A	WF-2	WF-2	WF-2	WF-2	SEE NOTES ON WOOD FINISHES
14	VESTIBULE B	P/S/S	N/A	WF-4	WF-4	WF-4	WF-4	SEE NOTES ON WOOD FINISHES
15	GREEN ROOM	P/S/S	B-2	WF-4, PNT-5	WF-4, PNT-5	WF-4, PNT-5	WF-4, PNT-5	SEE NOTES ON WOOD FINISHES
100	UTILITY	CO-1	N/A	EXPOSED - NO FINISH	EXPOSED - NO FINISH	EXPOSED - NO FINISH	EXPOSED - NO FINISH	EXPOSED - NO FINISH

GENERAL NOTES - WOOD FINISHES

A. DESIGN INTENT IS FOR ALL EXISTING PAINTED WOOD MEMBERS TO BE STRIPPED, REPAIRED/PREPPED AND RE-FINISHED WITH A NEW CLEAR FINISH SYSTEM. THIS INCLUDES EXISTING GLULAM RIBS, TRIM, SIDING AND SIMILAR MEMBERS.

B. CONTRACTOR SHALL PROVIDE 3) FINISH MOCKUPS, EACH AT 3) LOCATIONS SELECTED BY THE OWNER FOR AN INITIAL WOOD FINISH REVIEW AND SELECTION. THESE AREAS WILL REPRESENT THE FOLLOWING EXISTING CONDITIONS:
   a. PREVIOUSLY FIRE DAMAGED/REPAIRED GLULAM
   b. ORIGINAL, UNDAMAGED GLULAM
   c. EXISTING WOOD SLATS

C. ONCE MOCKUPS ARE COMPLETED AND REVIEWED, THE OWNER MAY ELECT TO SWITCH TO A STAIN FINISH SYSTEM TO ADDRESS AESTHETIC CONCERNS DUE TO THE CONDITION OF THE EXISTING WOOD VISIBLE BENEATH THE NEW, CLEAR FINISH. CONTRACTOR SHALL PROVIDE AN ADDITIONAL (3) STAIN MOCKUPS TO FINALIZE THE COLOR SELECTION AND FINISH SYSTEM.

D. NEW WOOD MEMBERS SHALL BE FINISHED TO MATCH THE SYSTEM SELECTED FOR THE EXTERIOR MEMBERS, EITHER A CLEAR OR STAINED FINISH, AS OUTLINED ABOVE.

E. NEW CEDAR HEAVY TIMBER MEMBERS ARE INTENDED TO BE LEFT NATURAL.

F. NEW WOOD, INTERIOR TRUSSES FOR THE UTILITY BUILDING SHALL REMAIN UNFINISHED.

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Expiration Date 12/31/2023

issue date 08/03/23
project number c214418.00

sheet name
FINISHES

sheet number
A9.01

ELECTRICAL SYMBOLS

3 S	DASH SYMBOL INDICATES PARTICULAR OUTLET OR DEVICE TO BE REMOVED AND CIRCUITRY MADE CONTINUOUS WHERE REQUIRED.
3 S	EXISTING OUTLET OR DEVICE TO REMAIN. MAINTAIN EXISTING CIRCUITING.
	ELECTRICAL CONNECTION.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE). WHEN ⏻ SHOWN, RECEPTACLE TO HAVE "CONTROLLED" MARKINGS.
	20A-125V SINGLE RECEPTACLE, NEMA 5-20R (18" MH UNLESS NOTED OTHERWISE).
Y	SPECIAL PURPOSE RECEPTACLE. REFER TO NOTE ON PLAN.
	20A-125V DOUBLE DUPLEX RECEPTACLE. NEMA 5-20R, (18" MH UNLESS NOTED OTHERWISE) TWO GANG ASSEMBLY.
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH BOTTOM OUTLET CONTROLLED BY WALL SWITCH. (18" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R (46" MH UNLESS NOTED OTHERWISE).
	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R WITH 2 INTEGRAL USB CHARGERS (18" MH UNLESS NOTED OTHERWISE).
GF	20A-125V DUPLEX RECEPTACLE, NEMA 5-20R, WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE).
WP	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R (HORIZONTAL 18" MH UNLESS NOTED OTHERWISE) WITH TAYMAC #MM420G EXTRA DUTY GRAY COVER, VERTICAL MOUNT.
WP/GF	20A-125V WEATHERPROOF DUPLEX RECEPTACLE, NEMA 5-20R WITH GROUND FAULT CIRCUIT INTERRUPTER (18" MH UNLESS NOTED OTHERWISE), WITH TAYMAC #MM420G EXTRA DUTY GRAY COVER, VERTICAL MOUNT.
J	JUNCTION BOX.
$	SINGLE POLE SWITCH (46" MH UNLESS NOTED OTHERWISE).
# $	MULTI-WAY WALL SWITCH, # INDICATES NUMBER OF WAYS (46" MH UNLESS NOTED OTHERWISE).
L $	LOW-VOLTAGE MOMENTARY WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
DM $	LIGHTING DIMMER SWITCH (46" MH UNLESS NOTED OTHERWISE) 1000 WATTS UNLESS OTHERWISE INDICATED.
H $	HP RATED WALL SWITCH (46" MH UNLESS NOTED OTHERWISE).
	ELECTRICAL PANEL OR SWITCHBOARD PER DRAWINGS.
P/B	PULL BOX.
	DISCONNECT SWITCH.
	ELECTRIC MOTOR.
PC	PHOTOELECTRIC SENSOR.

LUMINAIRE SYMBOLS

A a	LIGHTING FIXTURE. CAPITAL LETTER DENOTES FIXTURE TYPE, LOWER CASE LETTER DENOTES SWITCHING ARRANGEMENT.
	LIGHTING FIXTURE ON NIGHT LIGHT OR EMERGENCY CIRCUIT. PROVIDE BATTERY BACK UP DRIVER FOR 90 MINUTES UPON LOSS OF NORMAL POWER.
	EXIT LIGHTING FIXTURE, ARROWS AS INDICATED.

ABBREVIATIONS

AAP	- AREA ALARM PANEL - MEDICAL GAS
ACC	- ACCESS
ADJ	- ADJUSTABLE
AF	- ARC FAULT CIRCUIT INTERRUPTER
AFCI	- ARC FAULT CIRCUIT INTERRUPTER
AFF	- ABOVE FINISHED FLOOR TO BOTTOM OF ITEM
AFG	- ABOVE FINISHED GRADE TO BOTTOM OF ITEM
ALT	- ALTERNATE
AP	- ACCESS PANEL
APPROX	- APPROXIMATE
ARCH	- ARCHITECT OR ARCHITECTURAL
ASSY	- ASSEMBLY
ATS	- AUTOMATIC TRANSFER SWITCH
BLDG	- BUILDING
BOE	- BOTTOM OF EQUIPMENT
BOT	- BOTTOM
BTWN	- BETWEEN
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CKT	- CIRCUIT
CLG	- CEILING
CMU	- CONCRETE MASONRY UNIT
CONN	- CONNECT OR CONNECTION
CONTR	- CONTRACTOR
CORR	- CORRIDOR
CTR	- CENTER
D	- DEPTH
DET	- DETAIL
DIA	- DIAMETER
DIM	- DIMENSION
DIV	- DIVISION
DN	- DOWN
DWG	- DRAWING
EA	- EACH
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)
EJ	- EXPANSION JOINT
ELEC	- ELECTRICAL
ELEV	- ELEVATION OR ELEVATOR
EM	- EMERGENCY
EQ	- EQUAL
EQS	- EQUIPMENT SUPPLIER
EQUIP	- EQUIPMENT
E/R	- EXISTING TO BE RELOCATED
EX	- EXISTING TO REMAIN
EXP	- EXPANSION
EXT	- EXTERIOR
FCE	- FIRE CONTROL EQUIPMENT
FF	- FINISHED FLOOR ELEVATION
FLR	- FLOOR
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)
FT	- FEET
FTG	- FOOTING
GC	- GENERAL CONTRACTOR
GF	- GROUND FAULT CIRCUIT INTERRUPTER
GFCI	- GROUND FAULT CIRCUIT INTERRUPTER OR GOVERNMENT FURNISHED CONTRACTOR INSTALLED
GFFT	- GROUND FAULT FEED THRU
HC	- HVAC CONTRACTOR (DIVISION 23)
HP	- HORSE POWER OR HIGH POINT
HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING
ID	- INSIDE DIAMETER
IN	- INCHES
KEC	- KITCHEN EQUIPMENT CONTRACTOR
L	- LENGTH
LBS	- POUNDS
MAP	- MASTER ALARM PANEL (MEDICAL GAS)
MAX	- MAXIMUM
MEZZ	- MEZZANINE
MFR	- MANUFACTURER
MH	- MANHOLE OR MOUNTING HEIGHT TO CENTER LINE OF ITEM
MIN	- MINIMUM OR MINUTE
MISC	- MISCELLANEOUS
MTD	- MOUNTED
MTG	- MOUNTING
NIC	- NOT IN CONTRACT
NOM	- NOMINAL
NTS	- NOT TO SCALE
OD	- OUTSIDE DIAMETER
OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED OWNER INSTALLED
PC	- PLUMBING CONTRACTOR (DIVISION 22)
PLBG	- PLUMBING
RAD	- RADIUS
REC	- RECESSED
REQD	- REQUIRED
RI	- ROUGH-IN
S	- SURFACE MOUNTED
SC	- SECURITY CONTRACTOR
SCH	- SCHEDULE
SHT	- SHEET
SMS	- SECURITY MANAGEMENT SYSTEM
SPEC	- SPECIFICATIONS
SQ	- SQUARE
SS	- STAINLESS STEEL
STD	- STANDARD
STRUC	- STRUCTURAL OR STRUCTURE
SUC	- SITE UTILITY CONTRACTOR
TC	- TECHNOLOGY CONTRACTOR
TEMP	- TEMPERATURE
TOE	- TOP OF EQUIPMENT
TYP	- TYPICAL
UNO	- UNLESS NOTED OTHERWISE
VFD	- VARIABLE FREQUENCY DRIVE
VOL	- VOLUME
W/	- WITH
W/O	- WITHOUT
WP	- WEATHERPROOF
ZVC	- ZONE VALVE CABINET

GENERAL FLOOR PLAN NOTES

B / E2	DETAIL: B = DETAIL DESIGNATION E2 = SHEET WHERE DETAIL IS LOCATED
1 / E2	SECTION: 1 = SECTION DESIGNATION E2 = SHEET WHERE SECTION IS LOCATED
T2 | 1	ELEVATION: 1 = ELEVATION DESIGNATION T2 = SHEET WHERE ELEVATION IS LOCATED
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
3	LIGHTING CONTROL DETAIL NOTE. APPLIES TO THE LIGHTING CONTROL SEQUENCE OF OPERATIONS SCHEDULE FOR ROOM CONTROL.
3	DEVICE QUANTITY - POWER NOTE. REFER TO DEVICE QUANTITIES - POWER SCHEDULE.
	LADDER TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
	CABLE TRAY, 12" x 4" DEEP UNLESS NOTED OTHERWISE.
4"	WIRE & CONDUIT IN WALL OR ABOVE CEILING.
4"	WIRE & CONDUIT IN OR BELOW SLAB OR GRADE.
4"	CONDUIT TO BE REMOVED.
EX	EXISTING WIRE & CONDUIT TO REMAIN.
DAT	CONDUIT FOR DATA CIRCUITRY.
EM	WIRE & CONDUIT FOR EMERGENCY CIRCUITRY.
FA	WIRE & CONDUIT FOR FIRE ALARM CIRCUITRY.
I	WIRE & CONDUIT FOR INTERCOM SYSTEM CIRCUITRY.
NC	WIRE & CONDUIT FOR NURSE CALL CIRCUITRY.
NL	WIRE & CONDUIT FOR NIGHT LIGHT CIRCUITRY.
PHO	CONDUIT FOR PHONE CIRCUITRY.
S	WIRE & CONDUIT FOR SOUND SYSTEM CIRCUITRY.
SEC	WIRE & CONDUIT FOR SECURITY SYSTEM CIRCUITRY.
TV	WIRE & CONDUIT FOR TELEVISION SYSTEM CIRCUITRY.
W	WIRE RUN IN SURFACE WIREWAY.
CM	CABLE MANAGEMENT SYSTEM PATHWAY.
X - 1,2	EACH ARROWHEAD REPRESENTS ONE COMPLETE CIRCUIT; "X" DENOTES PANEL NAME; NUMBER(S) DENOTES CIRCUIT(S).

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

ALL WORK AT AND AFTER THE PANELS, OTHER THAN FEEDERS AND SITE BRANCH CIRCUITRY FROM THE PANELS, SHALL BE PROVIDED BY THE ELECTRICAL BUILDING CONTRACTOR, INCLUDING PANELS, ALL BUILDING DEVICES, BUILDING ATTACHED LIGHTING, AND BUILDING BRANCH CIRCUITRY.
ALL WORK FROM THE SITE/EXTERIOR UP TO THE PANELS, INCLUDING THE PANEL FEEDERS AND SITE BRANCH CIRCUITRY, SHALL BE PROVIDED BY THE ELECTRICAL SITE CONTRACTOR, INCLUDING ALL SITE/UNDERGROUND CONDUIT, SITE DEVICES AND SITE LIGHTING.

ELECTRICAL SHEET LIST

SHEET NUMBER	SHEET NAME
E001	ELECTRICAL LEGEND
E002	DETAILS
E003	LIGHTING CONTROL DETAILS & SCHEDULES
E004	SCHEDULES, SINGLE LINE & NOTES
E005	PANEL SCHEDULES
E006	TRANSFORMER DETAIL
E100	SITE PLAN - ELECTRICAL NORTH
E101	SITE PLAN - ELECTRICAL SOUTH
E102	ENLARGED LIGHTING ELECTRICAL PLANS
E103	ENLARGED POWER ELECTRICAL PLANS
E104	SITE PLAN - ENLARGED ELECTRICAL NORTH
ED100	ENLARGED DEMO PLANS

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7-14-2023

issue date: 08/03/23
project number: cc21008.01

sheet name
ELECTRICAL LEGEND

sheet number
E001

HEAPY
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PROJECT NO. 2021-07068

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GENERAL NOTE

A. IDENTIFY AND LABEL WIRES WITH IN PULL BOXES

DETAIL NOTES

1 5" CONCRETE WALLS, FOUR SIDES.

2 1/2" DIA. REINFORCED STEEL-10"CC BOTH WAYS.

3 1/4" CHECKERED STEEL PLATE COVER.

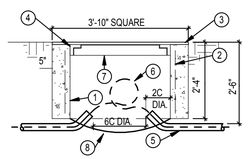
4 2"X2"X1/4" L WELDED TO PLATE. TWO SIDES ONLY 1/4" CLEARANCE FIT.

5 UNDERGROUND DUCT-TURN UP @ 45 DEG.

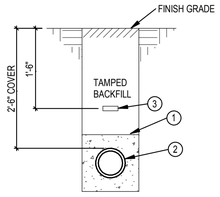
6 CONDUCTORS-LOOP/PULL OR SPLICE.

7 CROSSWISE FOR SUPPORT.

8. PROVIDE GRAVEL BASE FOR PULL BOX



1 LARGE GROUND PULLBOX
SCALE: NONE



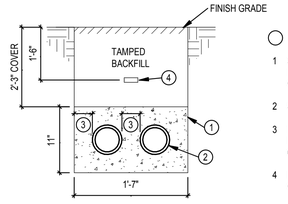
DETAIL NOTES

1 3000 LB. CONCRETE ENCASEMENT IF UNDER DRIVEWAY/ROADWAY; SAND OTHERWISE. 3" MIN. FROM OUTSIDE OF DUCT.

2 SCHEDULE 40 PVC DUCT. SIZE AS NOTED ON PLANS.

3 RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

2 UNDERGROUND DUCT - 1
SCALE: NONE



DETAIL NOTES

1 3000 LB. CONCRETE ENCASEMENT IF UNDER DRIVEWAY/ROADWAY; SAND OTHERWISE. 3" MIN. FROM OUTSIDE OF DUCT.

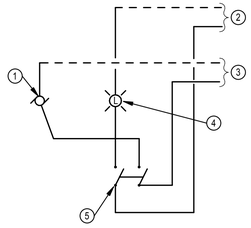
2 SCHEDULE 40 PVC DUCT. SIZE AS NOTED ON PLANS.

3 MIN. 3" SPACING BETWEEN CONDUITS AND MIN. 3" ENCASEMENT (TYPICAL). PROVIDE CONDUIT SPACERS 6'-0" O.C.

4 RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

3 UNDERGROUND DUCTS - 2
SCALE: NONE

ALL WORK AT AND AFTER THE PANELS, OTHER THAN FEEDERS AND SITE BRANCH CIRCUITRY FROM THE PANELS, SHALL BE PROVIDED BY THE ELECTRICAL BUILDING CONTRACTOR, INCLUDING PANELS, ALL BUILDING DEVICES, BUILDING ATTACHED LIGHTING, AND BUILDING BRANCH CIRCUITRY.
ALL WORK FROM THE SITE/EXTERIOR UP TO THE THE PANELS, INCLUDING THE PANEL FEEDERS AND SITE BRANCH CIRCUITRY, SHALL BE PROVIDED BY THE ELECTRICAL SITE CONTRACTOR, INCLUDING ALL SITE DEVICES AND SITE LIGHTING.



DETAIL NOTES

1 EXHAUST FAN (120 VOLT).

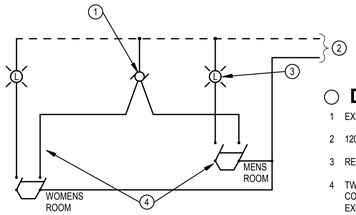
2 277V CIRCUIT.

3 120V CIRCUIT.

4 277V RESTROOM LIGHTING.

5 TWO POLE WALL SWITCH IN RESTROOM FOR CONTROL OF 277V LIGHTING AND 120V EXHAUST FAN.

5 EXHAUST FAN CONTROL
SCALE: NONE



DETAIL NOTES

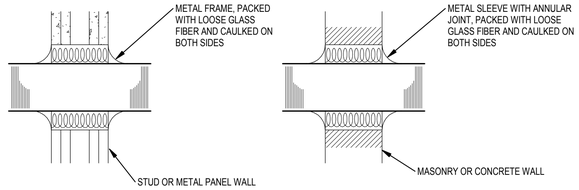
1 EXHAUST FAN (120 VOLT) LOCATED ABOVE CEILING.

2 120V CIRCUIT.

3 RESTROOM LIGHTING, TYP.

4 TWO POLE WALL SWITCH IN EACH RESTROOM FOR CONTROL OF INDIVIDUAL ROOM LIGHTING AND COMMON EXHAUST FAN.

6 EXHAUST FAN CONTROL DIAGRAM - 2 RR
SCALE: NONE



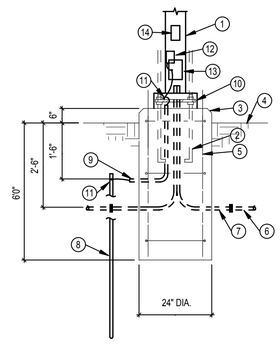
GENERAL DETAIL NOTES

A ALL PENETRATIONS FROM MECHANICAL SPACE SHALL BE SEALED IN THIS MANNER.

B ALL PENETRATIONS THRU AUDITORIUM, STUDIO AND EDIT ROOMS WALLS SHALL BE SEALED IN THIS MANNER.

C WHEN WALL IS FIRE RATED; DETAIL SHALL BE SIMILAR BUT FOLLOW MATERIAL INSTALLATION REQUIREMENTS PER MANUFACTURER AND FIRE PROOFING SPECIFICATIONS.

4 TYPICAL CONDUIT AND WALL PENETRATIONS
SCALE: NONE



DETAIL NOTES

1 SEE FIXTURE SCHEDULE FOR POLE AND FIXTURE ASSEMBLY.

2 ANCHOR BOLTS BY POLE SUPPLIER, WELD TO REBARS.

3 CHAMFERED EDGE.

4 FINISH GRADE, COMPACT TO 95%.

5 SIX #4 REINFORCING BARS VERTICALLY ON #3 STIRRUPS AT 18" O.C.

6 PVC CONDUIT, SCHEDULE 40.

7 RIGID GALVANIZED STEEL CONDUIT.

8 GROUND ROD.

9 1/2" PVC GROUND CONDUCTOR SLEEVE WITH #8 GROUND CONDUCTOR.

10 BASE PLATE, LEVELING NUTS, BASE GROUT.

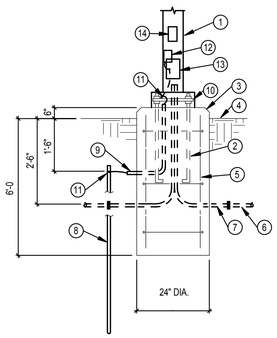
11 EXOTHERMICALLY WELDED GROUND CONNECTION.

12 LIGHTNING ARRESTOR.

13 HANDHOLE.

14 PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH TAYMAC COVERPLATE DIRECTLY ABOVE HANDHOLE (APPROXIMATELY 6" ABOVE HANDHOLE OR MANUFACTURERS APPROVED LOCATION) FOR ALL LOCATIONS AS INDICATED ON PLAN. REFER TO LEGEND FOR ADDITIONAL REQUIREMENTS. PROVIDE BRANCH CIRCUITRY AS INDICATED ON PLAN.

7 TYPE PL1 POLE BASE
SCALE: NONE



DETAIL NOTES

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6 PVC CONDUIT, SCHEDULE 40.

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9 1/2" PVC GROUND CONDUCTOR SLEEVE WITH #8 GROUND CONDUCTOR.

10 BASE PLATE, LEVELING NUTS, BASE GROUT.

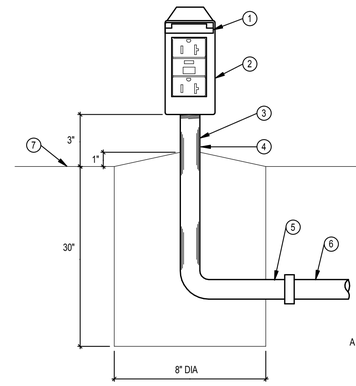
11 EXOTHERMICALLY WELDED GROUND CONNECTION.

12 LIGHTNING ARRESTOR.

13 HANDHOLE.

14 PROVIDE WEATHERPROOF DUPLEX RECEPTACLE WITH TAYMAC COVERPLATE DIRECTLY ABOVE HANDHOLE (APPROXIMATELY 6" ABOVE HANDHOLE OR MANUFACTURERS APPROVED LOCATION) FOR ALL LOCATIONS AS INDICATED ON PLAN. REFER TO LEGEND FOR ADDITIONAL REQUIREMENTS. PROVIDE BRANCH CIRCUITRY AS INDICATED ON PLAN.

8 TYPE PL2/PL3/PL4 POLE BASE
SCALE: NONE



DETAIL NOTES

1 COVER SHOWN IN OPEN POSITION.

2 ONE-GANG CAST ALUMINUM BOX, RACO 5343 OR APPROVED EQUAL, WITH RACO MX3200 EXTRA-DUTY WEATHERPROOF COVER FOR GFCI RECEPTACLE UNLESS INDICATED OTHERWISE.

3 CENTER WITH BOX.

4 3/4" RIGID CONDUIT SUPPORT.

5 RIGID GALVANIZED STEEL CONDUIT.

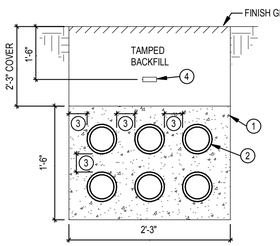
6 PVC CONDUIT, SCHEDULE 40.

7 FINISHED GRADE.

GENERAL DETAIL NOTES

A VERIFY EXACT LOCATION AND ORIENTATION OF DEVICE WITH ARCHITECT PRIOR TO ROUGH-IN.

11 EXTERIOR PEDESTAL MOUNTED WP/GF TYPE RECEPTACLE
SCALE: NONE



DETAIL NOTES

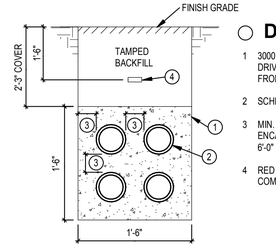
1 3000 LB. CONCRETE ENCASEMENT IF UNDER DRIVEWAY/ROADWAY; SAND OTHERWISE. 3" MIN. FROM OUTSIDE OF DUCT.

2 SCHEDULE 40 PVC DUCT. SIZE AS NOTED ON PLANS.

3 MIN. 3" SPACING BETWEEN CONDUITS AND MIN. 3" ENCASEMENT (TYPICAL). PROVIDE CONDUIT SPACERS 6'-0" O.C.

4 RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

10 UNDERGROUND DUCTS - 6
SCALE: NONE



DETAIL NOTES

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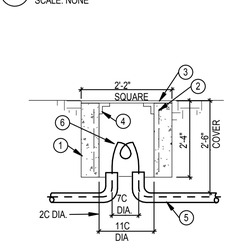
2 SCHEDULE 40 PVC DUCT. SIZE AS NOTED ON PLANS.

3 MIN. 3" SPACING BETWEEN CONDUITS AND MIN. 3" ENCASEMENT (TYPICAL). PROVIDE CONDUIT SPACERS 6'-0" O.C.

4 RED DYE, RED DUST OR YELLOW MARKER TAPE ON COMPACTED FILL.

12 UNDERGROUND DUCTS - 4
SCALE: NONE



DETAIL NOTES

1 4" CONCRETE WALLS-FOUR SIDES.

2 3/8" DIA. REINFORCED STEEL 10" CC BOTH WAYS.

3 1/4" CHECKERED STEEL PLATE.

4 2" L WELDED TO PLATE TWO SIDES ONLY - 1/4" CLEARANCE FIT.

5 UNDERGROUND DUCT OR DIRECT BURIAL CABLE AS INDICATED.

6 CONDUCTORS-LOOP/PULL OR SPLICE.

9 SMALL GROUND PULLBOX
SCALE: NONE

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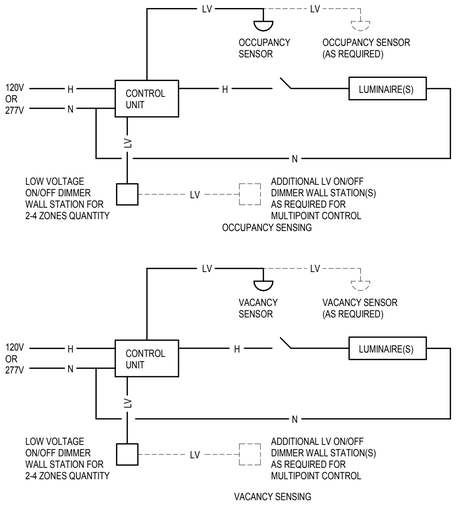


LV - LOW VOLTAGE CONTROL CABLE AS REQUIRED BY MANUFACTURER
H - HOT WIRE LINE VOLTAGE
N - NEUTRAL WIRE LINE VOLTAGE

GENERAL NOTES

A OPERATION INTENT IS FOR LOW VOLTAGE DIMMING (WHERE INDICATED) OCCUPANCY/VACANCY SENSING ON/OFF WITH MANUAL OVERRIDE OF ALL LIGHTS. CONTROL UNIT SHALL PROVIDE AN ON/OFF FOR ALL ZONES. WALL STATION(S) TO PROVIDE ON/OFF AND SWITCHES. REFER TO PLANS FOR QUANTITY OF LIGHTING ZONES.

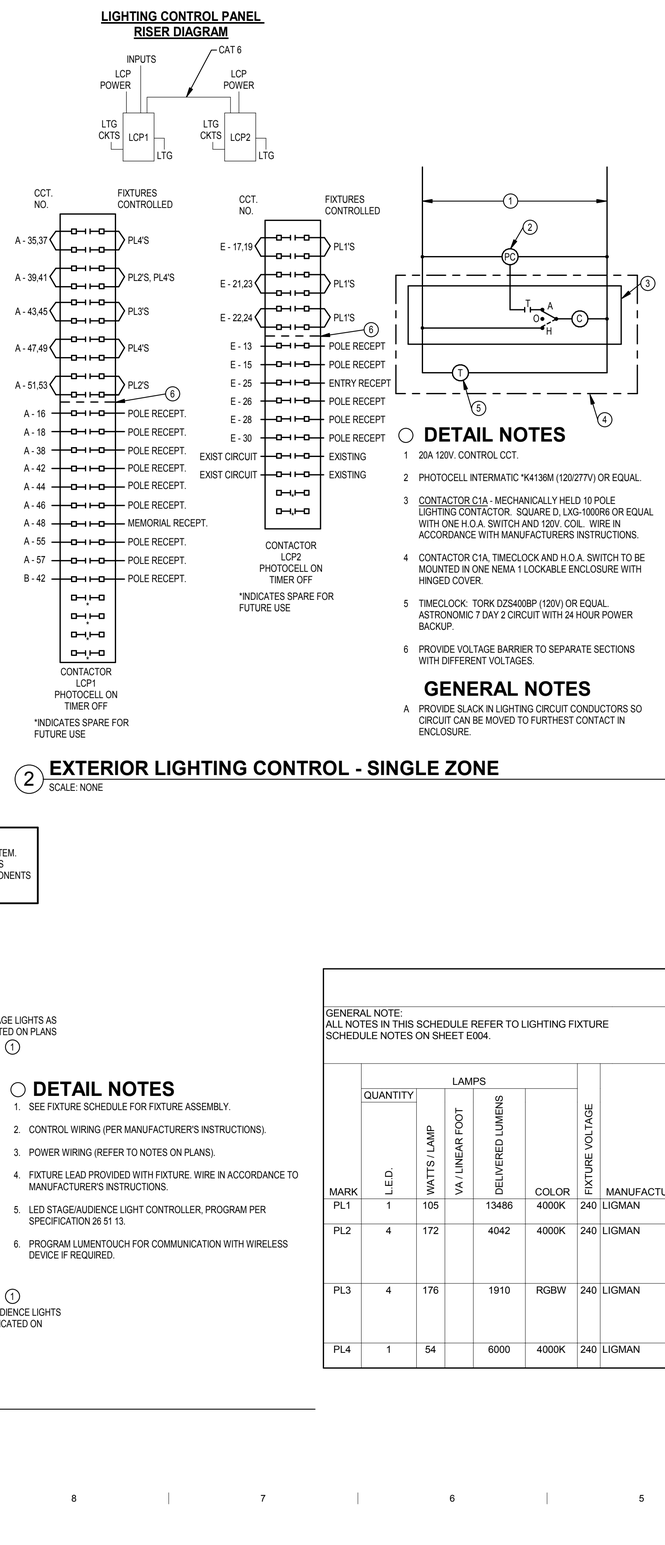
B CONTROL UNIT SHALL BE MOUNTED IN AN ENCLOSURE PER MANUFACTURER'S DIRECTION. MOUNT CONTROL UNIT ABOVE ACCESSIBLE CEILING AT ROOM ENTRY.

C CONTRACTOR SHALL COORDINATE WITH MANUFACTURER FOR EXACT QUANTITY OF OCCUPANCY SENSORS (FOR COMPLETE ROOM COVERAGE) AND PROVIDE ANY ADDITIONAL COMPONENTS FOR A COMPLETE AND OPERABLE SYSTEM. COORDINATE COMPONENT MOUNTING LOCATIONS FOR PROPER CLEARANCE AND ACCESSIBILITY PRIOR TO ROUGH-IN. COORDINATE PROGRAMMING OF ZONES AND WALL STATION CONFIGURATIONS, AS SHOWN ON DRAWINGS, WITH MANUFACTURER.

D DETAIL IS SCHEMATIC IN NATURE. REFER TO MANUFACTURER'S WIRING DIAGRAMS FOR EXACT WIRING INFORMATION.

1 OCCUPANCY SENSOR WITH OVERRIDE CONTROL
SCALE: NONE

LIGHTING CONTROL PANEL RISER DIAGRAM



DETAIL NOTES

1 20A 120V. CONTROL CCT.

2 PHOTOCELL INTERMATIC *K4136M (120/277V) OR EQUAL.

3 CONTACTOR C1A - MECHANICALLY HELD 10 POLE LIGHTING CONTACTOR. SQUARE D, LXG-1000R6 OR EQUAL WITH ONE H.O.A. SWITCH AND 120V. COIL. WIRE IN ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.

4 CONTACTOR C1A, TIMECLOCK AND H.O.A. SWITCH TO BE MOUNTED IN ONE NEMA 1 LOCKABLE ENCLOSURE WITH HINGED COVER.

5 TIMECLOCK: TORK DZS400BP (120V) OR EQUAL. ASTRONOMIC 7 DAY 2 CIRCUIT WITH 24 HOUR POWER BACKUP.

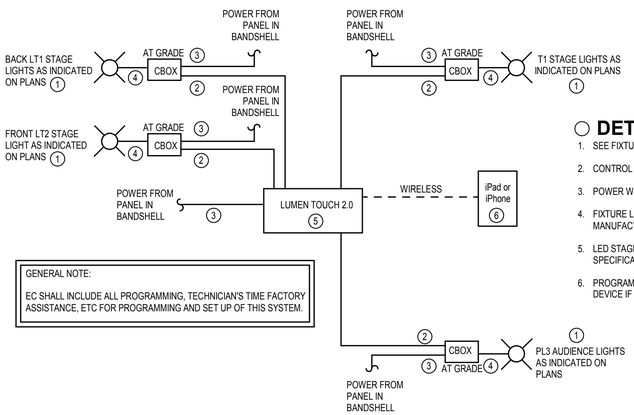
6 PROVIDE VOLTAGE BARRIER TO SEPARATE SECTIONS WITH DIFFERENT VOLTAGES.

GENERAL NOTES

A PROVIDE SLACK IN LIGHTING CIRCUIT CONDUCTORS SO CIRCUIT CAN BE MOVED TO FURTHEST CONTACT IN ENCLOSURE.

2 EXTERIOR LIGHTING CONTROL - SINGLE ZONE
SCALE: NONE

GENERAL NOTE:
E.C. SHALL INCLUDE ALL PROGRAMMING, TECHNICIANS TIME, FACTORY ASSISTANCE, ETC FOR PROGRAMMING AND SET UP OF THIS SYSTEM. DETAIL IS SCHEMATIC IN NATURE AND DOES NOT INCLUDE ALL PIECES AND ACCESSORIES FOR A COMPLETE SYSTEM. THIS SCHEMATIC IS MEANT TO SHOW INTENT AND SHALL NOT BE USED FOR A BOM. E.C. IS RESPONSIBLE TO COORDINATE AND PROVIDE ALL SYSTEM COMPONENTS TO MEET THE INTENT OF THIS SCHEMATIC AND FOR A COMPLETE AND OPERATIONAL INSTALLATION.



GENERAL NOTE:
EC SHALL INCLUDE ALL PROGRAMMING, TECHNICIAN'S TIME FACTORY ASSISTANCE, ETC FOR PROGRAMMING AND SET UP OF THIS SYSTEM.

DETAIL NOTES

1. SEE FIXTURE SCHEDULE FOR FIXTURE ASSEMBLY.
2. CONTROL WIRING (PER MANUFACTURER'S INSTRUCTIONS).
3. POWER WIRING (REFER TO NOTES ON PLANS).
4. FIXTURE LEAD PROVIDED WITH FIXTURE. WIRE IN ACCORDANCE TO MANUFACTURER'S INSTRUCTIONS.
5. LED STAGE/AUDIENCE LIGHT CONTROLLER, PROGRAM PER SPECIFICATION 26 51 13.
6. PROGRAM LUMENTOUCH FOR COMMUNICATION WITH WIRELESS DEVICE IF REQUIRED.

3 STAGE/AUDIENCE AREA LIGHTING CONTROL
SCALE: NONE

ALL WORK AT AND AFTER THE PANELS, OTHER THAN FEEDERS AND SITE BRANCH CIRCUITRY FROM THE PANELS, SHALL BE PROVIDED BY THE ELECTRICAL BUILDING CONTRACTOR, INCLUDING PANELS, ALL BUILDING DEVICES, BUILDING ATTACHED LIGHTING, AND BUILDING BRANCH CIRCUITRY.
ALL WORK FROM THE SITE/EXTERIOR UP TO THE THE PANELS, INCLUDING THE PANEL FEEDERS AND SITE BRANCH CIRCUITRY, SHALL BE PROVIDED BY THE ELECTRICAL SITE CONTRACTOR, INCLUDING ALL SITE DEVICES AND SITE LIGHTING.

LIGHTING CONTROL SEQUENCE OF OPERATIONS

# CONTROL NUMBER	TYPICAL SPACE NAME	OCCUPANCY SENSOR: VACANCY MODE (MANUAL ON)	OCCUPANCY SENSOR: OCCUPANCY MODE (AUTO ON)	OCCUPANCY SENSOR: SENSOR TIME OUT PERIOD (IN MINUTES)	WALL SWITCH: ON / OFF ONLY	WALL SWITCH: DIMMER SWITCH	WALL SWITCH: GRAPHICAL WALL STATION	DAYLIGHT SENSOR: EXTERIOR PHOTOCELL - ON / OFF	SEE NOTE	DETAIL NUMBER
1	EXTERIOR							•		2/E003
2	EXTERIOR - AMPHITHEATER						•			2/E003
3	OCCUPANCY SENSING		•	30 MINS						1/E003
4	VACANCY SENSING	•		30 MINS	•					1/E003
5	VACANCY SENSING W/ DIMMING	•		30 MINS		•				1/E003
6	EXTERIOR - UTILITY BUILDING							•		N/A

LUMINAIRES - SITE

GENERAL NOTE:
ALL NOTES IN THIS SCHEDULE REFER TO LIGHTING FIXTURE SCHEDULE NOTES ON SHEET E004.

MARK	LAMPS: QUANTITY L.E.D.	LAMPS: WATTS / LAMP	LAMPS: VA / LINEAR FOOT	LAMPS: DELIVERED LUMENS	LAMPS: COLOR	FIXTURE VOLTAGE	MANUFACTURER	CATALOG NO.	DESCRIPTION	OTHER ACCEPTABLE MANUFACTURERS	DIFFUSING MEDIA	TRIM COLOR: STANDARD	TRIM COLOR: SEE NOTE	MOUNTING	SIZE: DIAMETER	SIZE: WIDTH	SIZE: LENGTH	SIZE: DEPTH	SEE NOTE
PL1	1	105		13486	4000K	240	LIGMAN	SE-90001-T2-W40-240V; POLE: APD-RSA-6318-20'-6.3"DIA.188"	ROUND POLE LIGHT	GARDCO, LITHONIA	TYPE II DISTRIBUTION		10	POLE 20'-0"		27.5"	12"	13.75"	3,8,9,10,11,13
PL2	4	172		4042	4000K	240	LIGMAN	UOD-21021-4X43-W-W40-07-208-DIM-A80131; POLE: APD-RSA-6318-16'-6.3"DIA.188"	MEDIUM FLOOD LIGHT CLUSTER ROUND COLUMN	FC LIGHTING, INSIGHT	CLEAR ACRYLIC LENS		10	POLE 16'-0"				121"	3,8,9,10,12,13
PL3	4	176		1910	RGBW	240	LIGMAN	UOD-21101-4X44-E-RGBW40-07-208-13'-DIM-A54331; POLE: APD-RSA-5518-13'-5"DIA.188"	LARGE FLOOD LIGHT RGBW CLUSTER ROUND COLUMN	SOLID STATE LUMINAIRES, INSIGHT	CLEAR ACRYLIC LENS		10	POLE 13'-0"				121"	3,8,9,10,12,13
PL4	1	54		6000	4000K	240	LIGMAN	MN-91262-T2-40K; POLE: APD-RSA-5518-13'-5"DIA.188"	ROUND POLE LIGHT	GARDCO, LITHONIA	TYPE II DISTRIBUTION		10	POLE 13'-0"		27.5"	12"	13.75"	3,8,9,10,12,13

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project number cc21008.01

sheet name
LIGHTING CONTROL DETAILS & SCHEDULES

sheet number
E003

LUMINAIRE FIXTURE SCHEDULE NOTES

1. TRIM TO MATCH OR BE PAINTED TO MATCH CEILING COLOR WHERE FIXTURES IS MOUNTED E.C. SHALL PROVIDE ACCORDINGLY.
2. INSTALL LUMINAIRE AT MOUNTING HEIGHT AS INDICATED ON PLAN. VERIFY FINAL LOCATION WITH ARCHITECT AND ARCHITECTURAL ELEVATIONS PRIOR TO ROUGH-IN.
3. PROVIDE FIXTURE WITH DIMMABLE UNIVERSAL VOLTAGE BALLAST/DRIVER.
4. COORDINATE MOUNTING HARDWARE WITH CEILING TYPE AND ARCHITECTURAL DRAWING PRIOR TO ORDERING AND PROVIDE ACCORDINGLY.
5. WIRE EXIT LIGHTS TO BRANCH CIRCUITRY AS INDICATED ON PLANS. WIRE AHEAD OF ALL SWITCHING AND CONTROLS FOR CONTINUOUS OPERATION.
6. PROVIDE ARROWS AS INDICATED ON PLAN COORDINATE EXACT MOUNTING ARRANGEMENT WITH CEILING AND WALL CONSTRUCTION PRIOR TO ROUGH-IN. INTENT IS TO HAVE WALL MOUNTED EXIT LIGHT FIXTURES UNLESS CONDITIONS DO NOT FACILITATE.
7. PROVIDE FIXTURE WITH STEM HANGER SETS, LENGTH OF STEMS TO ACCOMMODATE MOUNTING HEIGHTS AS INDICATED ON PLANS. PROVIDE ALL ACCESSORIES, FASTENERS AND SUPPORTS FOR PROPER MOUNTING OF FIXTURE.
8. FIXTURE TO BE WET LISTED FOR EXTERIOR MOUNTING; PROVIDE ALL RECESSED BACK BOXES, WALL MOUNTING ACCESSORIES, FASTENERS AND SUPPORTS FOR PROPER MOUNTING OF FIXTURE.
9. PROVIDE FIXTURE COMPLETE WITH LENS, FUSING, COLD WEATHER BALLAST/DRIVER.
10. COLOR TO BE SELECTED BY ARCHITECT DURING SHOP DRAWING SUBMITTAL.
11. PROVIDE A CONCRETE BASE REFER TO DETAIL 7, SHEET E002 FOR ADDITIONAL INFORMATION.
12. PROVIDE A CONCRETE BASE REFER TO DETAIL 8, ON SHEET E002 FOR ADDITIONAL INFORMATION.
13. EACH POLE SHALL BE SIZED TO ACCOMMODATE EPA OF COMPLETE LUMINAIRE/POLE ASSEMBLY FOR WIND VELOCITY OF 90 MPH AN GUSTING WIND EQUIVALENT OF 117 MPH. E.C. SHALL TOUCH UP PAINT OF SITE AFTER INSTALLATION.
14. PROVIDE CEILING ADAPTERS FOR MOUNTING ON SLOPED AND FLAT CEILING SURFACES TO OBTAIN A NEAT AND FINISHED APPEARANCE. PROVIDE PROPER LENGTH SUPPORTS FOR ALL LUMINAIRES TO OBTAIN MOUNTING AS INDICATED ON SCHEDULE/PLANS. SCOPE INCLUDES ALL SUPPORTS MEMBERS, CHAIN/CABLE SUPPORTS, FITTINGS AND ALL OTHER LABOR AND MATERIALS TO OBTAIN A COMPLETE INSTALLATION.

LUMINAIRES - BUILDING

MARK	LAMPS QUANTITY L.E.D.	LAMPS WATTS / LAMP	LAMPS VA / LINEAR FOOT	LAMPS DELIVERED LUMENS	LAMPS COLOR	FIXTURE VOLTAGE	MANUFACTURER	CATALOG NO.	DESCRIPTION	OTHER ACCEPTABLE MANUFACTURERS	DIFFUSING MEDIA	TRIM COLOR WHITE	TRIM COLOR BLACK	TRIM COLOR ALUMINUM	TRIM COLOR BRONZE	TRIM COLOR STANDARD	TRIM COLOR SEE NOTE	MOUNTING	SIZE DIAMETER	SIZE WIDTH	SIZE LENGTH	SIZE DEPTH	SEE NOTE
A	1	41	10	4874	3000K	120	LITHONIA	LBL4-48LM-80CRI-30K-MIN10-GZT-MVOLT	LOW PROFILE CURVED BASKET	DAYBRITE, COLUMBIA	ACRYLIC LENS							S-SURFACE R-RECESSED SM-STEM MTD WM-WALL MTD C-CHAIN MTD UC-UNDER CAB CS-CEIL SURFACE: S		12"	48"	5.5"	3,4
A1	1	41	13	5968	3000K	120	LITHONIA	LBL4-60LM-80CRI-30K-MIN10-GZT-MVOLT	LOW PROFILE CURVED BASKET	DAYBRITE, COLUMBIA	ACRYLIC LENS							S		12"	48"	5.5"	3,4
B	1	18		1428	3000K	120	LITHONIA	LDN6SQ-30/15-LS6AR-LSS-MVOLT-GZ10	LED SQUARE DOWN LIGHT	LIGHTOLIER, GREEN CREATIVE	CLEAR SEMI SPECULAR					•		R		6"	6"	6"	1,3,4,8,9
D	1			4139	3000K	120	HE WILLIAMS	WMA-4-L40-830-AF-DIM-UNV	WALL MOUNTED LED	DAYBRITE, CORONET, FINELITE, LITE CONTROL, KENALL	ACRYLIC LENS					•		WM - 6'-0"MH		9"	48"	3"	3,4
K1	1	55		6601	4000K	120	KIM LIGHTING	WDM-D-48L-55-4K7-WTD-UNV-CC-PC-EM	EXTERIOR WALL MOUNTED LIGHT	GARDCO, LITHONIA	WIDE THROW DIFFUSE							WM-9'-0"MH		23.2"	11.3"	11.6"	2,3,8,9
LT1	1		9	683/FT	RGBW	120	INSIGHT LIGHTING	MER MO RGB40 2060 EA-6-XX-DMXFX-CC	FLOOR MOUNT COLOR CHANGING LINEARS	LUMENPULSE, SOLID STATE LUMINAIRES	CLEAR ACYLIC LENS						10	S		3"	<varies>	2.5"	3,8,9,10
LT2	1		17	3246	RGBW	120	LUMENPULSE	LOI-120/277-XX-RGBW40K-10X30-TS0-DMX/RDM-ASL	RECESSED COLOR CHANGING LINEARS	SOLID STATE LUMINAIRES, INSIGHT	CLEAR ACYLIC LENS						10	R		4.438"	564.575"	5.563"	3,8,9,10
P1	1	157		13,400	3000K	120	VISA	CP3995-L30K-MVOLT-CC-CC	4' DIAMETER LED PENDANT	PMC, A-LIGHT, PRUDENTIAL,PINNACLE	FLUSH SATIN LENS, DIRECT					•		PENDANT	48"			5"	2,3,4,7,10,14
T1	1			4075	RGBW	120	LUMENPULSE	LBG-120-RGBW40K-M-M-CC-DMX/RDM-SY-UL-3FT-BK	COLOR CHANGING FLOOD LIGHT	SOLID STATE LUMINAIRES, INSIGHT	CLEAR ACRYLIC LENS						10	S	4.313"			3.25"	3,8,9,10
X1	1	0			RED	120	LITHONIA	LQM-S-W-3-R	LED EXIT SIGN	DUALLITE, ISOLITE, CHLORIDE	RED STENCIL					•		WM/CS		9"	13"	2.375"	4,5,6

FAULT CURRENT SCHEDULE

REF. POINT	DESCRIPTION	EQUIP. RATING	AVAILABLE SHORT CIRCUIT AMPS
1	UTILITY TRANSFORMER SECONDARY	--	19,881
2	PANEL A	22,000	16,545
3	PANEL B	22,000	16,545
4	PANEL C	10,000	6,868
5	PANEL D	10,000	6,868
6	PANEL F	10,000	3,957
7	PANEL G	10,000	2,225

GENERAL NOTES APPLIES TO DIV 26 (ALL SHEETS)

A. ALL CONDUCTORS WILL BE COPPER IN CONDUIT.

B. ALL WORK WILL BE DONE IN ACCORDANCE WITH THE NEC FOR A COMPLETE AND OPERATIONAL INSTALLATION.

C. PROVIDE A SEPARATE NEUTRAL CONDUCTOR WITH EACH 20A., 120V. POWER CIRCUIT - GROUND TOTAL SYSTEM PER NEC 250.

D. ALL 20 AMP, 120 VOLT POWER CIRCUITS SHALL CONSIST OF #12 AWG CONDUCTORS UNLESS INDICATED OTHERWISE.

E. ALL EMPTY CONDUITS SHALL BE INSTALLED WITH PULLWIRE PER SPECIFICATIONS.

F. ALL SURFACE PATCHING AND FINISHING WILL BE BY THE ELECTRICAL CONTRACTOR OR TO POINT CONSISTENT WITH G.C. RESPONSIBILITIES.

G. ALL WIRING AND CONDUIT SHALL BE INSTALLED CONCEALED ABOVE ALL LAY-IN CEILING SYSTEMS. WHERE WIRING IS REQUIRED TO BE RUN EXPOSED ALONG WALLS AND CEILINGS, IT SHALL BE RUN IN METAL SURFACE RACEWAY (WIREMOLD UNLESS INDICATED OTHERWISE - COORDINATE EXACT SERIES NUMBER WITH OWNER AND PROVIDE ACCORDINGLY) MOUNTED TIGHT TO EXISTING SURFACE MATCHING CONTOUR OF BUILDING LINES AND PAINTED TO MATCH SURFACES ON WHICH THEY ARE MOUNTED. COORDINATE ALL LOCATIONS AND ROUTES WITH ENGINEER PRIOR TO ROUGH-IN.

H. E.C. IS RESPONSIBLE TO WARRANTY WORK FOR A ONE YEAR PERIOD STARTING ON THE DATE OF SUBSTANTIAL COMPLETION. E.C. SHALL SCHEDULE A ONE YEAR WARRANTY WALK-THROUGH WITH THE OWNER AND ENGINEER 9 MONTHS FROM THE SUBSTANTIALCOMPLETION DATE (3 MONTHS PRIOR TO END OF THE ONE YEAR WARRANTY PERIOD). E.C. IS RESPONSIBLE AT THAT TIME TO REPLACE/REPAIR ANY NON-WORKING EQUIPMENT OR DEVICES COVERED UNDER THE WARRANTY AS DESCRIBED

I. E.C. HAS THE OPTION TO PROVIDE ALUMINUM FEEDERS ON ALL FEEDERS 100A AND ABOVE. SHOULD E.C. DECIDE TO USE ALUMINUM IT IS THE RESPONSIBILITY OF THE E.C. TO SIZE CONDUCTORS AND CONDUITS BASED ON THE AMPERAGE REQUIRED FOR EACH LOAD TO MATCH OR EXCEED THE AMPACITY OF COPPER CONDUCTORS INDICATED ON THE DRAWINGS. THE E.C. IS ALSO RESPONSIBLE TO SIZE THESE CONDUCTORS TAKING INTO CONSIDERATION VOLTAGE DROP (3%) AND FAULT CURRENT RATING OF THE EQUIPMENT SERVED. REFER TO SPEC SECTION 26 05 19B FOR FURTHER INFORMATION. PROVIDE CONVERSION TABLE OF COPPER TO ALUMINUM WITH SHOP DRAWINGS.

J. E.C. SHALL PROVIDE SINGLE POLE SWITCHING FOR MANUAL CONTROL OF LIGHTING FOR EACH SPACE THROUGH THE BUILDING UNLESS INDICATED OTHERWISE. INTENT IS FOR NEW LIGHTING TO BE CONTROLLED WITH OCCUPANCY SENSORS WITH MANUAL OVERRIDE.

K. ALL EXPOSED CONDUIT ABOVE GRADE WILL BE RIGID GALVANIZED METALLIC WITH ALL STEEL FITTINGS, PAINTED TO MATCH SURFACES ON WHICH THEY ARE MOUNTED.

L. ALL EXTERIOR MOUNTED CONDUIT SHALL BE SEALED WATER AND MOISTURE TIGHT. ALL EXTERIOR MOUNTED DEVICES SHALL BE WEATHERPROOF NEMA 3R, UNLESS OTHERWISE NOTED.

M. E.C. IS RESPONSIBLE TO PROVIDE ANY AND ALL ELECTRICAL WORK AND ROUGH-INS ASSOCIATED AND CALLED OUT ON THE TECHNOLOGY DRAWINGS/DETAILS. REFER TO TECHNOLOGY DRAWINGS FOR EXACT SCOPE OF WORK AND PROVIDE ACCORDINGLY.

N. DRAWINGS INDICATED EQUIPMENT AND DEVICES BUT MINIMAL WIRING; E.C. IS RESPONSIBLE TO PROVIDE WIRING, BRANCH CIRCUITRY CABLING, ETC... TO EVERY ELECTRICAL DEVICE INDICATED ON THESE PLANS.

O. E.C. IS RESPONSIBLE TO PROVIDE CONCRETE PADS FOR ALL ELECTRIC EQUIPMENT ASSOCIATED WITH HIS WORK, NOT ALL CONCRETE PADS ARE NECESSARILY INDICATED OR SPECIFIED ON THE DRAWINGS AND SPECIFICATIONS, REFER TO SPEC SECTION 03300. COORDINATE EXACT SIZE, REINFORCING AND OTHER SPECIFIC REQUIREMENTS WITH THE APPROPRIATE EQS AND PROVIDE ACCORDINGLY.

P. CONTRACTOR SHALL RESPECT THE OWNERS PROPERTY AND PROTECT FROM DUST AND DEBRIS THOUGH-OUT THE COMPLETE PROJECT. PROVIDE DROP CLOTHS, VISQUEEN, ETC... TO ELIMINATE ANY AND ALL MESSES. WORK AREA(S) SHALL BE CLEANED UP PRIOR TO EACH WORK DAYS COMPLETION.

Q. ALL UNDERGROUND CONDUITS/DUCTBANKS SHALL BE SCHEDULE 40 PVC PER DETAIL(S) ON SHEET E0.5. ALL STUBS AND 90 DEGREE ELBOWS SHALL BE FIBERGLASS OR RIGID GALVANIZED STEEL LOCATE AND DIMENSION ALL ROUTES ON "AS-BUILTS" DRAWINGS ACCORDINGLY. METALLIC CONDUITS ARE TO BE UTILIZED ON RISERS, ALL EMPTY CONDUITS SHALL HAVE PULLWIRES. ALL CONDUITS TO BE DIRECT BURIED AT 36" BELOW GRADE UNLESS INDICATED OTHERWISE. PROVIDE CONCRETE ENCASEMENT WHERE INDICATED ON PLAN.

R. FOR ALL DOORS WITH SECURITY MANAGEMENT INTERFACE AND ROUGH-INS; REFER TO DETAILS ON TECHNOLOGY SHEETS FOR SCOPE OF WORK AND PROVIDE ACCORDINGLY.

S. THIS CONTRACTOR SHALL LOCATE ALL EXISTING UNDERGROUND UTILITIES, MISCELLANEOUS CONDUITS AND PIPING PRIOR TO ANY DIGGING. ANY DAMAGE TO ABOVE MENTIONED ITEMS SHALL BE HIS RESPONSIBILITY TO REPAIR.

GENERAL NOTES APPLIES TO DIV 26 (ALL SHEETS) CONT.

T. COORDINATE EXACT ROUTE OF ALL UNDERGROUND CONDUITS AT SITE PRIOR TO EXCAVATION UTILIZE LONG SWEEPING BENDS ON ALL UNDERGROUND CONDUITS.

U. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL LIGHTING FIXTURES, WHERE REFLECTED CEILING PLANS INDICATE A LARGER QUANTITY OF LIGHTING FIXTURES THAN THAT SHOWN ON THE ELECTRICAL DRAWINGS FOR A PARTICULAR SPACE, THE REFLECTED CEILING PLANS SHALL BE FOLLOWED FOR THAT SPACE.

V. VERIFY EXACT LOCATION OF ALL LIGHTING FIXTURES WITH REFLECTED CEILING PLAN AND /OR ARCHITECT PRIOR TO ROUGH-IN. COORDINATE LOCATIONS OF LIGHTING FIXTURES WITH MECHANICAL DUCTS AND SPRINKLE PIPES AND HEADS BEFORE ROUGH- IN TO PREVENT CONFLICTS.

W. ALL POWER DEVICES/RECEPTACLES LOCATED ADJACENT TO DIV 27 "DIAMOND" DEVICES SHALL BE MOUNTED AT SAME MOUNTING HEIGHT AS DIV. 27 DEVICE. VERIFY EXACT MOUNTING HEIGHT WITH DIV. 27. LEGEND ITEM AND DETAILS ON TECHNOLOGY SHEETS PRIOR TO ROUGH-IN.

X STAGGER RECEPTACLES AND OTHER RECESSED OUTLETS WHEN LOCATED ON OPPOSITE SIDE OF PARTITION TO ELIMINATE SOUND TRANSMISSION FROM ONE SPACE TO THE OTHER. CENTER DEVICES WHERE APPLICABLE IN EACH WALL SECTION.

1. WHERE DUPLEX AND ISOLATED GROUND DUPLEX RECEPTACLES ARE LOCATED NEXT TO EACH OTHER ON PLAN, THEY SHALL BE INSTALLED IN COMMON 2 GANG OUTLET BOX/COVERPLATE ASSEMBLY.
2. EXISTING OUTLETS LOCATED IN WALLS TO BE FURRED OUT SHALL BE EXTENDED TO NEW WALL SURFACE.
3. NEW OUTLETS INSTALLED IN FURRED OUT WALLS SHALL BE SHALLOW TYPE TO AVOID MASONRY WORK.

Y. EXACT LOCATION OF ALL DEVICES SERVING EQUIPMENT TO BE VERIFIED AT SITE WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.

Z. VERIFY EXACT LOCATION OF TELEPHONE, DATA, AND RECEPTACLE OUTLETS FOR EACH DESK IN OFFICE SPACES WITH OWNER'S REPRESENTATIVE PRIOR TO ROUGH-IN.

AA. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF ALL NEW ELECTRICAL DEVICES WITH THE ARCHITECT PRIOR TO ROUGH-IN. DEVICES SHALL INCLUDE ALL NEW WORK INDICATED ON THE DRAWINGS; INCLUDING BUT NOT LIMITED TO POWER RECEPTACLES, TV OUTLET, LIGHTING CONTROLS AND SWITCHES, MOTOR CONTROLLERS, FA COMPONENTS, INTERCOM/PAGING COMPONENTS AND SECURITY/CCTV EQUIPMENT.

BB. DRAWINGS SHOW GENERAL LOCATIONS AND APPROXIMATE MOUNTING HEIGHTS FOR VOICE/DATA/VIDEO AND AV OUTLETS AND EQUIPMENT. E.C. SHALL COORDINATE EXACT LOCATIONS IN FIELD WITH CASEWORK AND WITH TECHNOLOGY CONTRACTOR PRIOR TO ROUGH-INS. CEILING PROJECTOR OUTLET LOCATIONS SHALL BE COORDINATED WITH TECHNOLOGY CONTRACTOR TO ENSURE PROPER PLACEMENT OF PROJECTORS AND CLEARANCE FROM LIGHTING FIXTURES AND OCCUPANCY SENSORS. WALL FLAT PANEL OUTLETS SHALL BE COORDINATED WITH TECH CONTRACTOR TO AVOID CONFLICTS WITH MOUNT.

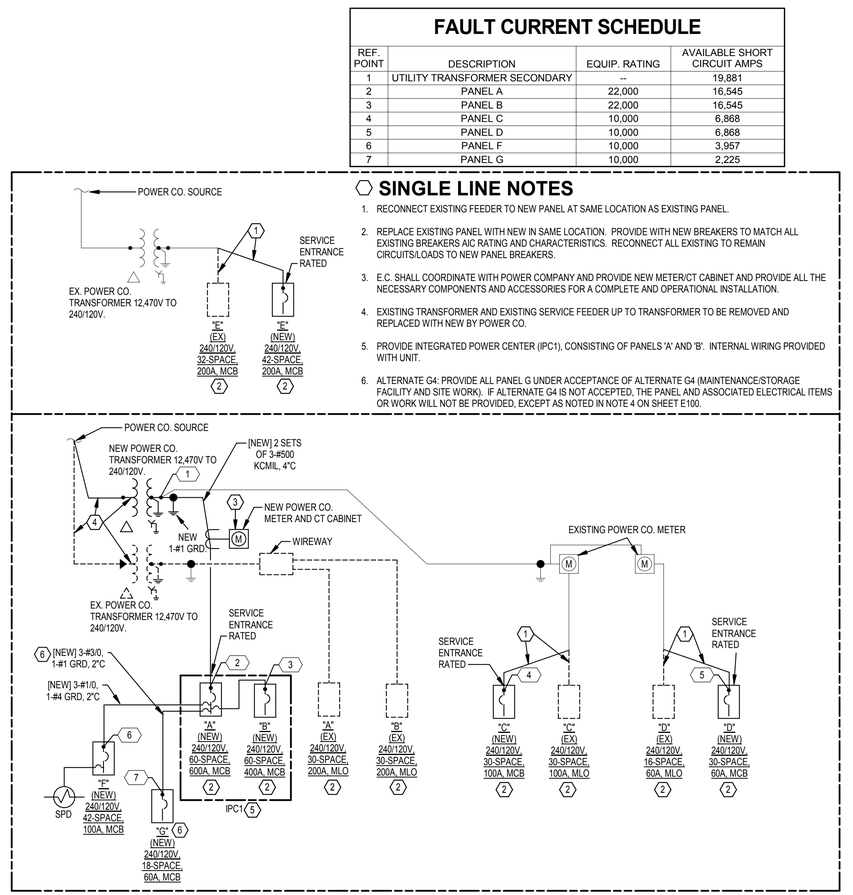
CC. ALL RECEPTACLE AND DATA OUTLETS TO BE MOUNTED AT 18"M.H. UNLESS OTHERWISE NOTED. DATA OUTLETS LOCATED ADJACENT TO DUPLEX AND DOUBLE DUPLEX RECEPTACLES SHALL BE MOUNTED AT THE SAME M.H. WITH THE RESPECTIVE RECEPTACLE.

DD. E.C. IS RESPONSIBLE TO COORDINATE ALL DEVICE LOCATIONS WITH CASEWORK DRAWINGS AND ARCHITECT PRIOR TO ROUGHIN TO AVOID CONFLICTS. ANY DEVICE LOCATION NOT PROPERLY COORDINATED WITH CASEWORK, FURNITURE, WHITEBOARDS, ETC SHALL BE THE COST RESPONSIBILITY OF THE E.C. TO RELOCATE PROPERLY.

EE. BRANCH CIRCUIT WIRE SIZING CHART TO BE UTILIZED AS GUIDELINE FOR VOLTAGE DROP COMPENSATION, INCREASE CONDUIT SIZING PER WIRE SIZE.

A) 20A-120V CIRCUITS	B) 20A-240V CIRCUITS
1) #12 WIRE - 60' LENGTH MAX.	1) #12 WIRE - 120' LENGTH MAX
2) #10 WIRE - 94' LENGTH MAX.	2) #10 WIRE - 188' LENGTH MAX
3) # 8 WIRE - 137" LENGTH MAX.	3) # 8 WIRE - 274' LENGTH MAX
4) # 6 WIRE - 218' LENGTH MAX.	4) # 6 WIRE - 436' LENGTH MAX

ALL WORK AT AND AFTER THE PANELS, OTHER THAN FEEDERS AND SITE BRANCH CIRCUITRY FROM THE PANELS, SHALL BE PROVIDED BY THE ELECTRICAL BUILDING CONTRACTOR, INCLUDING PANELS, ALL BUILDING DEVICES, BUILDING ATTACHED LIGHTING, AND BUILDING BRANCH CIRCUITRY.
ALL WORK FROM THE SITE/EXTERIOR UP TO THE THE PANELS, INCLUDING THE PANEL FEEDERS AND SITE BRANCH CIRCUITRY, SHALL BE PROVIDED BY THE ELECTRICAL SITE CONTRACTOR, INCLUDING ALL SITE DEVICES AND SITE LIGHTING.



SINGLE LINE NOTES

1. RECONNECT EXISTING FEEDER TO NEW PANEL AT SAME LOCATION AS EXISTING PANEL.
2. REPLACE EXISTING PANEL WITH NEW IN SAME LOCATION. PROVIDE WITH NEW BREAKERS TO MATCH ALL EXISTING BREAKERS AIC RATING AND CHARACTERISTICS. RECONNECT ALL EXISTING TO REMAIN CIRCUITS/LOADS TO NEW PANEL BREAKERS.
3. E.C. SHALL COORDINATE WITH POWER COMPANY AND PROVIDE NEW METER/CT CABINET AND PROVIDE ALL THE NECESSARY COMPONENTS AND ACCESSORIES FOR A COMPLETE AND OPERATIONAL INSTALLATION.
4. EXISTING TRANSFORMER AND EXISTING SERVICE FEEDER UP TO TRANSFORMER TO BE REMOVED AND REPLACED WITH NEW BY POWER CO.
5. PROVIDE INTEGRATED POWER CENTER (IPC1), CONSISTING OF PANELS 'A' AND 'B'. INTERNAL WIRING PROVIDED WITH UNIT.
6. ALTERNATE G4: PROVIDE ALL PANEL G UNDER ACCEPTANCE OF ALTERNATE G4 (MAINTENANCE/STORAGE FACILITY AND SITE WORK). IF ALTERNATE G4 IS NOT ACCEPTED, THE PANEL AND ASSOCIATED ELECTRICAL ITEMS OR WORK WILL NOT BE PROVIDED, EXCEPT AS NOTED IN NOTE 4 ON SHEET E100.

1 **ELECTRIC SINGLE-LINE**
SCALE: NONE

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SCHEDULES, SINGLE LINE & NOTES

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E004

IPC1

Panel: A (NEW/REPLACED)

Location: GREEN ROOM 15 | **Mounting:** Surface | **A.I.C. Rating:** SEE SINGLE LINE
Supply From: MAIN SERVICE TRANSFORMER | **Enclosure:** Type 1 | **Mains Type:** MCB
Voltage: 120/240 Single-1PH-3W | **Mains Rating:** 600 A

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	[EX] LTG NW SIDE	20 A	1	500 VA	500 VA			1	20 A	[EX] R -EAST	2
3	[EX] LTG NE SIDE	20 A	1			500 VA	500 VA	1	20 A	[EX] R -EAST	4
5	[EX] RR LTG NE SIDE	20 A	1	500 VA	500 VA			1	20 A	[EX] R -WEST	6
7	[EX] HOT WATER EAST	20 A	1			0 VA	500 VA	1	20 A	[EX] R -WEST	8
9	[EX] R- RR EAST	20 A	1	500 VA	500 VA			1	20 A	[EX] R -WEST	10
11	[EX] HOT WATER WEST	20 A	1			500 VA	500 VA	1	20 A	[EX] R -WEST	12
13	[EX] R -WEST	20 A	1	500 VA	500 VA			1	20 A	[EX] R -WEST	14
15	[EX] R- RR WEST	20 A	1			500 VA	1080 VA	1	20 A	POLE RECEPT	16
17	[EX] RR LTG NW SIDE	20 A	1	500 VA	1080 VA			1	20 A	POLE RECEPT	18
19	[EX] POLE RECEPT	20 A	1			500 VA	500 VA	1	20 A	[EX] R -FRONT	20
21	[EX] POLE TOP RECEPT	20 A	1	500 VA	2780 VA			2	60 A	PANEL G	22
23	POLE RECEPT	20 A	1			540 VA	1640 VA	--	--	--	24
25	Spare	20 A	1	0 VA	4750 VA			2	50 A	R-FOOD TRUCK	26
27	R-FOOD TRUCK	50 A	2			4750 VA	4750 VA	--	--	--	28
29	--	--	--	4750 VA	4750 VA			2	50 A	R-FOOD TRUCK	30
31	R-FOOD TRUCK	50 A	2			4750 VA	4750 VA	--	--	--	32
33	--	--	--	4750 VA	4750 VA			2	50 A	R-FOOD TRUCK	34
35	Lighting	20 A	2			200 VA	4750 VA	--	--	--	36
37	--	--	--	200 VA	1260 VA			1	20 A	POLE RECEPT	38
39	Lighting	20 A	2			469 VA	0 VA	1	20 A	Spare	40
41	--	--	--	469 VA	900 VA			1	20 A	POLE RECEPT	42
43	Lighting	20 A	2			176 VA	900 VA	1	20 A	POLE RECEPT	44
45	--	--	--	176 VA	360 VA			1	20 A	POLE RECEPT	46
47	Lighting	20 A	2			325 VA	180 VA	1	20 A	R-MEMORIAL	48
49	--	--	--	325 VA	4750 VA			2	50 A	R-FOOD TRUCK	50
51	Lighting	20 A	2			946 VA	4750 VA	--	--	--	52
53	--	--	--	946 VA	22759...			2	400 A	PANEL B	54
55	POLE RECEPT	20 A	1			180 VA	23475...	--	--	--	56
57	POLE RECEPT	20 A	1	180 VA	4220 VA			2	100 A	PANEL F	58
59	Spare	20 A	1	0 VA	1860 VA	--	--	--	--	--	60
			Total Load:	69.16 kVA		64.47 kVA					

Load Classification	Connected...	Demand Factor	Estimated...	Panel Totals	
Lighting	7311 VA	125.00%	9139 VA		
Motor	12495 VA	106.72%	13335 VA	**Total Conn. Load:**	133626 VA
Receptacle	82860 VA	56.03%	46430 VA	**Total Est. Demand:**	99864 VA
EXISTING	27460 VA	100.00%	27460 VA	**Total Conn.:**	557 A
Resistive Heat	3500 VA	100.00%	3500 VA	**Total Est. Demand:**	416 A

Notes: [EX] - EXISTING LOAD
*E.C. SHALL FIELD VERIFY IF ALL EXISTING CIRCUITS SHOWN ARE EXISTING TO REMAIN, OR IF THE LOADS THEY SERVE NO LONGER EXIST AND ARE SPARE. UPDATE PANEL DIRECTORY ACCORDINGLY.

TOTAL CONNECTED		ESTIMATED DEMAND
133.63 kVA		99.86 kVA (416 A)

Panel: B (NEW/REPLACED)

Location: GREEN ROOM 15 | **Mounting:** Surface | **A.I.C. Rating:** SEE SINGLE LINE
Supply From: A | **Enclosure:** Type 1 | **Mains Type:** MCB
Voltage: 120/240 Single-1PH-3W | **Mains Rating:** 400 A

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	[EX]	100 A	2	0 VA	8000 VA			2	100 A	[EX] R-CAMLOCKS	2
3	--	--	--			0 VA	8000 VA	--	--	--	4
5	[EX] DIMMER #1	20 A	1	500 VA	500 VA			1	20 A	[EX] DIMMER #7	6
7	[EX] DIMMER #2	20 A	1			500 VA	500 VA	1	20 A	[EX] DIMMER #8	8
9	[EX] DIMMER #3	20 A	1	500 VA	500 VA			1	20 A	[EX] DIMMER #9	10
11	[EX] DIMMER #4	20 A	1			500 VA	500 VA	1	20 A	[EX] DIMMER #10	12
13	[EX] DIMMER #5	20 A	1	500 VA	500 VA			1	20 A	[EX] DIMMER #11	14
15	[EX] DIMMER #6	20 A	1			500 VA	500 VA	1	20 A	[EX] DIMMER #12	16
17	[EX] EAST LIGHTS	20 A	2	1000 VA	0 VA			1	20 A	Spare	18
19	--	--	--			1000 VA	0 VA	1	20 A	Spare	20
21	[EX] WEST LIGHTS	20 A	2	1000 VA	0 VA			1	20 A	Spare	22
23	--	--	--			1000 VA	0 VA	1	20 A	Spare	24
25	R-BANDSHELL	20 A	1	360 VA	360 VA			1	20 A	R-BANDSHELL	26
27	R-BANDSHELL	20 A	1			540 VA	540 VA	1	20 A	R-BANDSHELL	28
29	Receptacle	20 A	1	360 VA	1500 VA			1	20 A	IRRIGATION	30
31	WATER HEATER	40 A	1			3500 VA	360 VA	1	20 A	Receptacle	32
33	Receptacle	20 A	1	360 VA	600 VA			1	20 A	DOOR LOCKS	34
35	RR- RECPT,EF	20 A	1			195 VA	900 VA	1	20 A	T1 LTG	36
37	LT1 LTG	20 A	1	1239 VA	1680 VA			2	25 A	HPCU-3	38
39	HPCU-2	25 A	2			1680 VA	1680 VA	--	--	--	40
41	--	--	--	1680 VA	1080 VA			1	20 A	POLE RECEPT	42
43	POLE RECEPT	20 A	1			900 VA	180 VA	1	20 A	Receptacle	44
45	MIX STATION/SPEAK	20 A	1	540 VA	0 VA			1	20 A	Spare	46
47	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	48
49	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	50
51	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	52
53	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	54
55	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	56
57	Space	--	1	--	--			1	--	Space	58
59	Space	--	1			--	--	1	--	Space	60
			Total Load:	22.76 kVA		23.48 kVA					

Load Classification	Connected...	Demand Factor	Estimated...	Panel Totals	
Lighting	2139 VA	125.00%	2674 VA		
Motor	6735 VA	112.47%	7575 VA	**Total Conn. Load:**	46234 VA
Receptacle	21880 VA	72.85%	15940 VA	**Total Est. Demand:**	41669 VA
EXISTING	11980 VA	100.00%	11980 VA	**Total Conn.:**	193 A
Resistive Heat	3500 VA	100.00%	3500 VA	**Total Est. Demand:**	174 A

Notes: [EX] - EXISTING LOAD
*E.C. SHALL FIELD VERIFY IF ALL EXISTING CIRCUITS SHOWN ARE EXISTING TO REMAIN, OR IF THE LOADS THEY SERVE NO LONGER EXIST AND ARE SPARE. UPDATE PANEL DIRECTORY ACCORDINGLY.

TOTAL CONNECTED		ESTIMATED DEMAND
46.23 kVA		41.67 kVA (174 A)

Panel: E (NEW/REPLACED)

Location: | **Mounting:** Surface | **A.I.C. Rating:** EXIST-25KAIC
Supply From: | **Enclosure:** Type 1 | **Mains Type:** MCB
Voltage: 120/240 Single-1PH-3W | **Mains Rating:** 200 A

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	EXISTING LOAD	20 A	1	500 VA	500 VA			1	20 A	EXISTING LOAD	2
3	EXISTING LOAD	20 A	1			500 VA	500 VA	1	20 A	EXISTING LOAD	4
5	EXISTING LOAD	20 A	1	500 VA	1500 VA			2	30 A	EXISTING LOAD	6
7	EXISTING LOAD	20 A	1			500 VA	1500 VA	--	--	--	8
9	EXISTING LOAD	20 A	1	500 VA	1500 VA			2	30 A	EXISTING LOAD	10
11	EXISTING LOAD	20 A	1			500 VA	1500 VA	--	--	--	12
13	POLE RECEPT	20 A	1	180 VA	1000 VA			2	20 A	EXISTING LOAD	14
15	POLE RECEPT	20 A	1			180 VA	1000 VA	--	--	--	16
17	Lighting	20 A	2	473 VA	1000 VA			2	20 A	EXISTING LOAD	18
19	--	--	--			473 VA	1000 VA	--	--	--	20
21	Lighting	20 A	2	420 VA	368 VA			2	20 A	Lighting	22
23	--	--	--			420 VA	368 VA	--	--	--	24
25	Receptacle	20 A	1	540 VA	1440 VA			1	20 A	POLE RECEPT	26
27	Spare	20 A	1			0 VA	1440 VA	1	20 A	POLE RECEPT	28
29	Spare	20 A	1	0 VA	900 VA			1	20 A	POLE RECEPT	30
31	Spare	20 A	1			0 VA	180 VA	1	20 A	LCP2 HEATER	32
33	Spare	20 A	2	0 VA	0 VA			2	20 A	Spare	34
35	--	--	--			0 VA	0 VA	--	--	--	36
37	Space	--	1	--	--			1	--	Space	38
39	Space	--	1			--	--	1	--	Space	40
41	Space	--	1	--	--			1	--	Space	42
			Total Load:	11.32 kVA		10.06 kVA					

Load Classification	Connected...	Demand Factor	Estimated...	Panel Totals	
Lighting	2520 VA	125.00%	3150 VA		
Receptacle	720 VA	100.00%	720 VA	**Total Conn. Load:**	21380 VA
EXISTING	18140 VA	100.00%	18140 VA	**Total Est. Demand:**	22010 VA
				Total Conn.:	89 A
				Total Est. Demand:	92 A

Notes: PROVIDE NEW BREAKERS IN NEW PANEL TO MATCH EXISTING BREAKERS RATINGS AND AMPERAGE, AND RECONNECT EXISTING LOADS.
*E.C. SHALL FIELD VERIFY IF ALL EXISTING CIRCUITS SHOWN ARE EXISTING TO REMAIN, OR IF THE LOADS THEY SERVE NO LONGER EXIST AND ARE SPARE. UPDATE PANEL DIRECTORY ACCORDINGLY.

TOTAL CONNECTED		ESTIMATED DEMAND
21.38 kVA		22.01 kVA (92 A)

Panel: F (NEW)

Location: JANITOR 04 | **Mounting:** Surface | **A.I.C. Rating:** SEE SINGLE LINE
Supply From: A | **Enclosure:** Type 1 | **Mains Type:** MCB
Voltage: 120/240 Single-1PH-3W | **Mains Rating:** 100 A

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	Receptacle	20 A	1	360 VA	180 VA			1	20 A	Receptacle	2
3	HPCU-1	20 A	2			1680 VA	180 VA	1	20 A	EXTERIOR RECEPT	4
5	--	--	--	1680 VA	2000 VA			1	30 A	30A RECEPT	6
7	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	8
9	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	10
11	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	12
13	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	14
15	Space	--	1			--	--	1	--	Space	16
17	Space	--	1	--	--			1	--	Space	18
19	Space	--	1			--	--	1	--	Space	20
21	Space	--	1	--	--			1	--	Space	22
23	Space	--	1			--	--	1	--	Space	24
25	Space	--	1	--	--			1	--	Space	26
27	Space	--	1			--	--	1	--	Space	28
29	Space	--	1	--	--			1	--	Space	30
31	Space	--	1			--	--	1	--	Space	32
33	Space	--	1	--	--			1	--	Space	34
35	Space	--	1			--	--	1	--	Space	36
37	Space	--	1	--	--			1	--	Space	38
39	Space	--	1			--	0 VA	2	30 A	SPD	40
41	Space	--	1	--	0 VA			--	--	--	42
			Total Load:	4.22 kVA		1.86 kVA					

Load Classification	Connected...	Demand Factor	Estimated...	Panel Totals	
Motor	3360 VA	125.00%	4200 VA		
Receptacle	2720 VA	100.00%	2720 VA	**Total Conn. Load:**	6080 VA
				Total Est. Demand:	6920 VA
				Total Conn.:	25 A
				Total Est. Demand:	29 A

Notes: [EX] - EXISTING LOAD
*E.C. SHALL FIELD VERIFY IF ALL EXISTING CIRCUITS SHOWN ARE EXISTING TO REMAIN, OR IF THE LOADS THEY SERVE NO LONGER EXIST AND ARE SPARE. UPDATE PANEL DIRECTORY ACCORDINGLY.

TOTAL CONNECTED		ESTIMATED DEMAND
6.08 kVA		6.92 kVA (29 A)

Panel: C (NEW/REPLACED)

Location: JANITOR 04 | **Mounting:** Surface | **A.I.C. Rating:** SEE SINGLE LINE
Supply From: MAIN SERVICE TRANSFORMER | **Enclosure:** Type 1 | **Mains Type:** MCB
Voltage: 120/240 Single-1PH-3W | **Mains Rating:** 100 A

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	[EX] R- W WALL	20 A	1	500 VA	500 VA			1	20 A	[EX] R- NORTH	2
3	[EX] R- N WALL	20 A	1			500 VA	500 VA	1	20 A	[EX] R- CENTER	4
5	[EX] R- S WALL	20 A	1	500 VA	500 VA			1	20 A	[EX] R- SOUTH	6
7	[EX] R- W WALL	20 A	1			500 VA	500 VA	1	20 A	[EX] LTS	8
9	Spare	20 A	1	0 VA	500 VA			1	20 A	[EX]	10
11	Spare	20 A	1			0 VA	1000 VA	1	30 A	[EX]	12
13	Spare	20 A	1	0 VA	500 VA			1	20 A	[EX] R-OVER PANEL	14
15	Spare	20 A	1			0 VA	500 VA	1	20 A	[EX] R-OVER PANEL	16
17	Motor	20 A	1	486 VA	500 VA			1	20 A	[EX]	18
19	EUH-2	30 A	2			2052 VA	500 VA	1	20 A	[EX]	20
21	--	--	--	2052 VA	500 VA			1	20 A	[EX]	22
23	EUH-2A	30 A	2			2052 VA	--	1	--	Space	24
25	--	--	--	2052 VA	--			1	--	Space	26
27	Space	--	1			--	--	1	--	Space	28
29	Space	--	1	--	--			1	--	Space	30
			Total Load:	8.59 kVA		8.10 kVA					

Load Classification	Connected...	Demand Factor	Estimated...	Panel Totals	
Motor	8694 VA	111.80%	9720 VA		
EXISTING	8000 VA	100.00%	8000 VA	**Total Conn. Load:**	16694 VA
				Total Est. Demand:	17720 VA
				Total Conn.:	70 A
				Total Est. Demand:	74 A

Notes: [EX] - EXISTING LOAD
*E.C. SHALL FIELD VERIFY IF ALL EXISTING CIRCUITS SHOWN ARE EXISTING TO REMAIN, OR IF THE LOADS THEY SERVE NO LONGER EXIST AND ARE SPARE. UPDATE PANEL DIRECTORY ACCORDINGLY.

TOTAL CONNECTED		ESTIMATED DEMAND
16.69 kVA		17.72 kVA (74 A)

Panel: D (NEW/REPLACED)

Location: JANITOR 04 | **Mounting:** Surface | **A.I.C. Rating:** SEE SINGLE LINE
Supply From: MAIN SERVICE TRANSFORMER | **Enclosure:** Type 1 | **Mains Type:** MCB
Voltage: 120/240 Single-1PH-3W | **Mains Rating:** 60 A

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	[EX]	20 A	1	500 VA	500 VA			1	20 A	[EX] SOFFIT LTS	2
3	[EX] UTILITY RM LTS	20 A	1			500 VA	500 VA	1	20 A	[EX] SOFFIT LTS	4
5	[EX] WATER HEATER	20 A	1	1000 VA	500 VA			1	20 A	[EX] RR FAN LTS	6
7	Spare	20 A	1			0 VA	1000 VA	1	30 A	[EX]	8
9	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	10
11	EUH-1	30 A	2			2052 VA	0 VA	1	20 A	Spare	12
13	--	--	--	2052 VA	500 VA			1	20 A	DOOR LOCKS	14
15	Space	--	1			--	--	1	--	Space	16
17	Space	--	1	--	--			1	--	Space	18
19	Space	--	1			--	--	1	--	Space	20
21	Space	--	1	--	--			1	--	Space	22
23	Space	--	1			--	--	1	--	Space	24
25	Space	--	1	--	--			1	--	Space	26
27	Space	--	1			--	--	1	--	Space	28
29	Space	--	1	--	--			1	--	Space	30
			Total Load:	5.05 kVA		4.05 kVA					

Load Classification	Connected...	Demand Factor	Estimated...	Panel Totals	
Motor	4104 VA	125.00%	5130 VA		
Receptacle	500 VA	100.00%	500 VA	**Total Conn. Load:**	9104 VA
EXISTING	4500 VA	100.00%	4500 VA	**Total Est. Demand:**	10130 VA
				Total Conn.:	38 A
				Total Est. Demand:	42 A

Notes: [EX] - EXISTING LOAD
*E.C. SHALL FIELD VERIFY IF ALL EXISTING CIRCUITS SHOWN ARE EXISTING TO REMAIN, OR IF THE LOADS THEY SERVE NO LONGER EXIST AND ARE SPARE. UPDATE PANEL DIRECTORY ACCORDINGLY.

TOTAL CONNECTED		ESTIMATED DEMAND
9.1 kVA		10.13 kVA (42 A)

ALL WORK AT AND AFTER THE PANELS, OTHER THAN FEEDERS AND SITE BRANCH CIRCUITRY FROM THE PANELS, SHALL BE PROVIDED BY THE ELECTRICAL BUILDING CONTRACTOR, INCLUDING PANELS, ALL BUILDING DEVICES, BUILDING ATTACHED LIGHTING, AND BUILDING BRANCH CIRCUITRY.
ALL WORK FROM THE SITE/EXTERIOR UP TO THE THE PANELS, INCLUDING THE PANEL FEEDERS AND SITE BRANCH CIRCUITRY, SHALL BE PROVIDED BY THE ELECTRICAL SITE CONTRACTOR, INCLUDING ALL SITE DEVICES AND SITE LIGHTING.

MAIN SERVICE TRANSFORMER

UNIT	Total Connected	Total Connected Current	Total Estimated Demand	Total Estimated Demand Current
MAIN SERVICE TRANSFORMER	159424 VA	664 A	125598 VA	523 A

GENERAL NOTE:
PANEL SCHEDULES SHOWN ARE TAKEN FROM FIELD INVESTIGATION AND MAY NOT BE COMPLETELY ACCURATE. EC SHALL FIELD VERIFY ALL EXISTING TO REMAIN LOADS AND ALL PANEL/BREAKER RATINGS AND CHARACTERISTICS PRIOR TO ORDERING AND PROVIDE ACCORDINGLY.

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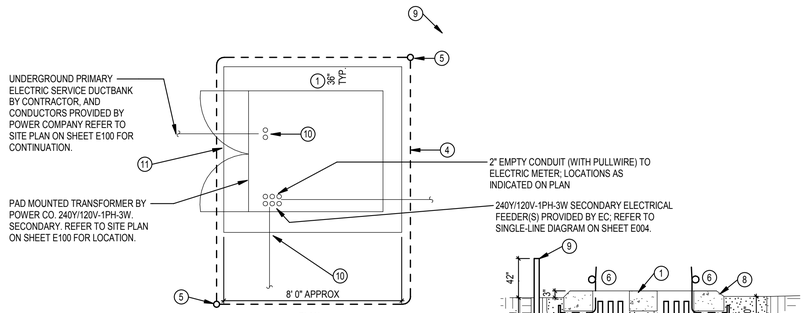
project number cc21008.01

sheet name
PANEL SCHEDULES

sheet number
E005

ALL WORK AT AND AFTER THE PANELS, OTHER THAN FEEDERS AND SITE BRANCH CIRCUITRY FROM THE PANELS, SHALL BE PROVIDED BY THE ELECTRICAL BUILDING CONTRACTOR, INCLUDING PANELS, ALL BUILDING DEVICES, BUILDING ATTACHED LIGHTING, AND BUILDING BRANCH CIRCUITRY.
ALL WORK FROM THE SITE/EXTERIOR UP TO THE THE PANELS, INCLUDING THE PANEL FEEDERS AND SITE BRANCH CIRCUITRY, SHALL BE PROVIDED BY THE ELECTRICAL SITE CONTRACTOR, INCLUDING ALL SITE DEVICES AND SITE LIGHTING.



DETAIL NOTES

1 CONCRETE PAD BY E.C. 10" THICKNESS AND OPENINGS AS RECOMMENDED BY SUPPLIER OF TRANSFORMER. 1/2" DIA. REINFORCED 12"CC BOTH WAYS.

2 PEA GRAVEL UNDER CONCRETE PAD 12" MINIMUM TO EXTEND 2FT.BEYOND EDGE OF PAD (12" DEEP).

3 SEE PLAN AND SCHEDULES FOR NUMBER AND SIZE OF CONDUIT.

4 GROUND GRID, #1/0 BARE COPPER UNLESS OTHERWISE SHOWN.

5 5/8" X 10FT. GROUND RODS UNLESS OTHERWISE SHOWN.

6 NOTE NOT USED..

7 CONCRETE DUCT ENCASEMENT.

8 EXPOSED CONCRETE SURFACES TO HAVE RUBBED FINISH AND 3/4" CHAMFERED CORNERS.

9 NOTE NOT USED.

10 ALL PRIMARY AND SECONDARY UNDERGROUND CONDUITS TO HAVE LONG SWEEPING BENDS, PROPER ADAPTER FROM PVC TO RIGID METALLIC CONDUIT AND STUB 3" ABOVE CONCRETE PAD.

11 A MINIMUM OF 10FT. CLEAR AREA MUST BE MAINTAINED IN FRONT OF TRANSFORMER AND OTHER ELECTRIC DISTRIBUTION EQUIPMENT.

GENERAL DETAIL NOTES

A COORDINATE EXACT CONCRETE PAD SIZE, OPENINGS AND OTHER REQUIREMENTS TO EXTEND EDGE OF CONCRETE 12" BEYOND EQUIPMENT. ALL SIDES OF EQUIPMENT PAD SHALL BE MAINTAINED RECTANGULAR WITH RUBBED FINISH AND CHAMFERED EDGE. REFER TO SPEC SECTION 26 27 13. COORDINATE EXACT ORIENTATION OF EQUIPMENT WITH POWER COMPANY PRIOR TO EXCAVATION AND PROVIDE ACCORDINGLY.

B BOLLARDS NOT TO BE PROVIDED ON SIDES NEAR BUILDING.

1 ELECTRICAL TRANSFORMER PAD

SCALE: NONE

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TRANSFORMER DETAIL

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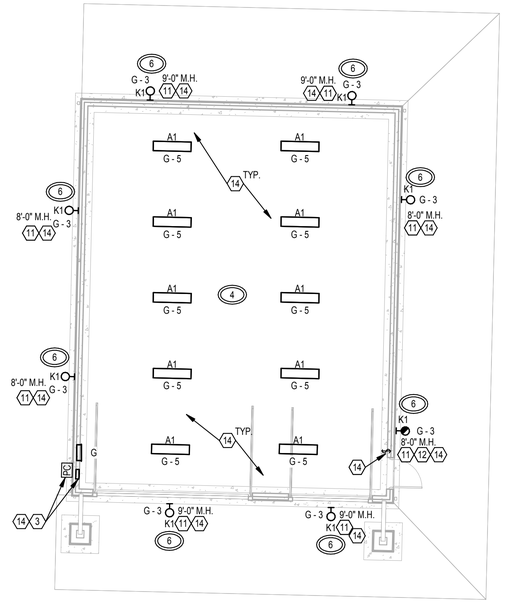
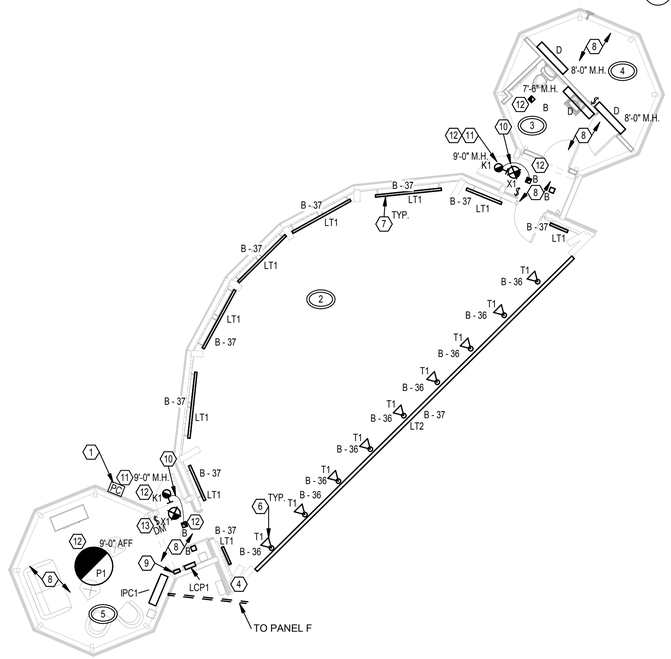
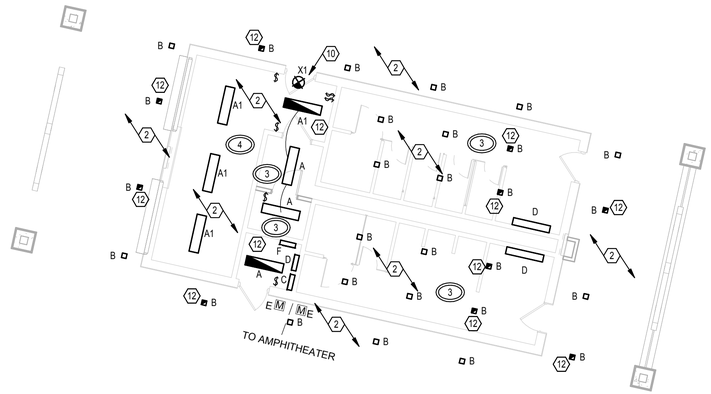
ALL WORK AT AND AFTER THE PANELS, OTHER THAN FEEDERS AND SITE BRANCH CIRCUITRY FROM THE PANELS, SHALL BE PROVIDED BY THE ELECTRICAL BUILDING CONTRACTOR, INCLUDING PANELS, ALL BUILDING DEVICES, BUILDING ATTACHED LIGHTING, AND BUILDING BRANCH CIRCUITRY.
ALL WORK FROM THE SITE/EXTERIOR UP TO THE THE PANELS, INCLUDING THE PANEL FEEDERS AND SITE BRANCH CIRCUITRY, SHALL BE PROVIDED BY THE ELECTRICAL SITE CONTRACTOR, INCLUDING ALL SITE DEVICES AND SITE LIGHTING.



3 UTILITY BUILDING - LIGHTING PLAN
SCALE: 1/8" = 1'-0"
0 4 8 16 24



1 AMPHITEATER - LIGHTING PLAN
SCALE: 1/8" = 1'-0"
0 4 8 16 24



2 CONCESSIONS - LIGHTING PLAN
SCALE: 1/8" = 1'-0"
0 4 8 16 24

GENERAL NOTES

A. E.C. IS RESPONSIBLE FOR ALL CUTTING, PATCHING AND RESURFACING OF ANY/ALL HARD SURFACES DISTURBED TO FACILITATE THIS WORK.

B. E.C. SHALL REMOVE ALL ELECTRICAL DEVICES, WIRING, U/G CONDUITS, BOXES, SYSTEM COMPONENTS AND OTHER EQUIPMENT ASSOCIATED WITH DIVISION 26 TO ACCOMMODATE ALL NEW CONSTRUCTION AND REMODELING ON SITE. ONLY EXISTING DEVICES SERVING EXISTING EQUIPMENT TO REMAIN AND DEVICES INDICATED AS EXISTING SHALL BE MAINTAINED.

C. INTENT IS FOR ALL EXISTING ELECTRICAL DEVICES/FIXTURES OUTSIDE OF SCOPE OF WORK AND THE ASSOCIATED CIRCUITS SERVING THOSE FIXTURES TO REMAIN, UNLESS NOTED OTHERWISE.

NOTES

1. PROVIDE ROOF/SIDE MOUNT PHOTOCELL ON BUILDING AND TIE INTO LIGHTING CONTROLS FOR EXTERIOR LIGHTING FIXTURES AS INDICATED ON SHEET E003, DETAILS. MOUNT PHOTOCELL AS INCONSPICUOUS AS POSSIBLE AND AWAY FROM EXISTING LIGHT SOURCE; COORDINATE EXACT MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH IN AND PROVIDE ACCORDINGLY.
2. EXISTING LIGHTS SHALL BE REPLACED 1 FOR 1 WITH NEW SAME LOCATION AS EXISTING. MAINTAIN EXISTING CIRCUITS AND CONTROLS/SWITCHING FOR ALL REPLACED LIGHT FIXTURES.
3. PROVIDE LOCAL PHOTOCELL AND TIMECLOCK AT UTILITY BUILDING FOR CONTROL (PHOTOCELL ON, TIMER OFF) OF EXTERIOR LIGHTING. REFER TO DETAIL 2, SHEET E003 FOR ALL REQUIRED COMPONENTS, DEVICE AND CONNECTIONS AND PROVIDE ACCORDINGLY.
4. PROVIDE NEW LIGHTING CONTROL PANEL IN APPROXIMATE LOCATIONS INDICATED.
5. COORDINATE LIGHT FIXTURE LOCATION AND MOUNTING HEIGHT WITH MIRROR/ARCHITECT PRIOR TO ROUGH IN AND PROVIDE ACCORDINGLY.
6. MOUNT T1 ON WOOD STRUCTURE / RIG SO THAT IT IS HIDDEN FROM LAWN VIEW. PROVIDE ALL ACCESSORIES AND SUPPORT FOR A COMPLETE AND OPERATIONAL INSTALLATION. COORDINATE EXACT LOCATIONS WITH ARCHITECT PRIOR TO ROUGH-IN.
7. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH ARCHITECT. PROVIDE ALL ACCESSORIES AND SUPPORT FOR A COMPLETE AND OPERATIONAL INSTALLATION.
8. EXISTING LIGHTS IN AREA SHALL BE REPLACED WITH NEW. MAINTAIN EXISTING LIGHTING CIRCUITS IN SPACE AND EXTEND/CONNECT TO NEW FIXTURE AS REQUIRED. PROVIDE NEW DIMMING/CONTROL WIRING FOR FIXTURES AS INDICATED IN LIGHTING CONTROL SCHEDULE ON SHEET E003.
9. PROVIDE GRAPHICAL WALL STATION TO CONTROL LT1, LT2, PL3 AND T1 LIGHT FIXTURES. COORDINATE EXACT PLACEMENT OF WALL STATION WITH OWNER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY. PROVIDE ALL ACCESSORIES, CONTROLS, WIRING, ETC., FOR A COMPLETE AND OPERATIONAL SYSTEM. REFER TO DETAIL 3, SHEET E003 FOR MORE INFORMATION.
10. WIRE ALL EXIT LIGHTS ON COMMON EMERGENCY CIRCUIT AHEAD OF ANY/ALL LOCAL SWITCHES AND SENSORS. EXIT LIGHTS SHALL BE ON 24 HOURS. RUN ALL EXIT LIGHT CIRCUITS WITH 2-#10, 1-#10 GRD. IN 1"C. THROUGHOUT.
11. EXTERIOR WALL MOUNTED LIGHT FIXTURE. COORDINATE MOUNTING HEIGHT WITH ARCHITECT PRIOR TO ROUGH-IN. THESE FIXTURES ARE TO BE CONTROLLED THROUGH EXTERIOR LIGHTING CONTROLS. REFER TO EXTERIOR LIGHTING CONTROL DETAILS ON SHEET E003.
12. PROVIDE AN EMERGENCY BATTERY BACK UP DRIVER AT THIS FIXTURE.
13. PROVIDE LOW VOLTAGE DIMMER THAT IS CAPABLE OF VACANCY MODE FOR DIMMING CONTROL OF LIGHTING AS INDICATED. PROVIDE DIMMER AS MANUFACTURED BY LUTRON, LEVITON, COOPER HUNT, OR APPROVED EQUAL. VERIFY EXACT LAMP TYPE AND TOTAL WATTAGE SERVED PRIOR TO ORDERING AND PROVIDE ACCORDINGLY.
14. ALTERNATE G4: PROVIDE ALL ELECTRICAL ITEMS INDICATED IN UTILITY/MAINTENANCE/STORAGE BUILDING AND ALL OTHER ITEMS ASSOCIATED UNDER ACCEPTANCE OF ALTERNATE G4 (MAINTENANCE/STORAGE FACILITY AND SITE WORK). IF ALTERNATE G4 IS NOT ACCEPTED, NONE OF THESE ITEMS OR WORK WILL BE PROVIDED, EXCEPT AS NOTED IN NOTE 4 ON SHEET E100.

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ENLARGED LIGHTING ELECTRICAL PLANS

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E102

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MOTORS, STARTERS, DISCONNECTS & CONTROLS

1) INDOOR UNIT SHALL BE POWERED FROM OUTDOOR UNIT. PROVIDE POWER AND WIRING AS REQUIRED.

	MOTOR				STARTER										DISCONNECT MEANS											CONTROL				FEEDER					
		CHARACTERISTICS			TYPE					LOCATION					TYPE							LOCATION												
MARK	NAMEPLATE	HORSEPOWER (HP)	LOAD (kVA)	120V-1PH	240V-1PH	NEMA SIZE	MANUAL	MAGNETIC	BUILT-IN MOTOR O/L	2-SPEED	VFD	SEE NOTE	NEAR MOTOR	MOTOR CONT CENTER	EQUIP CONT PANEL	ROOM NUMBER	SEE NOTE	FURNISHED BY	DISC SWITCH	MANUAL STARTER	RECEPTACLE	FEEDER SW OR BREAKER	NEMA TYPE	DISC SIZE	FUSE SIZE	NEAR MOTOR	MOTOR CONT CENTER	EQUIP CONT PANEL	PANELBOARD	SEE NOTE	FURNISHED BY	INTERLOCK WITH MOTOR NO. BY E.C.	MANUAL AT STARTER	INTEGRAL WITH EQUIPMENT	FURNISHED BY	SEE NOTE	NUMBER OF CONDUCTORS	WIRE SIZE	GROUND SIZE	CONDUIT SIZE	SEE NOTE
EF-1	EXHAUST FAN 1		0.32	•					•				•					HC	•							•					EC				HC		2	#12	#12	0.75"C	
EF-2	EXHAUST FAN 2	1/8	0.17	•					•				•					HC	•							•					EC				HC		2	#12	#12	0.75"C	
EF-3	EXHAUST FAN 3		0.02	•					•				•					HC	•							•					EC				HC		2	#12	#12	0.75"C	
EUH-1	ELECTRIC UNIT HEATER 1		4.1		•				•				•					HC	•							•					EC				HC		2	#10	#10	0.75"C	
EUH-2	ELECTRIC UNIT HEATER 1		4.1		•				•				•					HC	•							•					EC				HC		2	#10	#10	0.75"C	
EUH-2A	ELECTRIC UNIT HEATER 2A		4.1		•				•				•					HC	•							•					EC				HC		2	#10	#10	0.75"C	
HPCU-1	HPCU-1 OUTDOOR UNIT		3.36		•				•				•					HC	•				3R			•					EC				HC		2	#12	#12	0.75"C	1
HPCU-2	HPCU-2 OUTDOOR UNIT		3.36		•				•				•					HC	•				3R			•					EC				HC		2	#10	#10	0.75"C	1
HPCU-3	HPCU-3 OUTDOOR UNIT		3.36		•				•				•					HC	•				3R			•					EC				HC		2	#12	#12	0.75"C	1
SHP-1	SHP-1 INDOOR UNIT		0		•				•				•					HC	•							•					EC				HC		2	#12	#12	0.75"C	1
SHP-1A	SHP-1A INDOOR UNIT		0		•				•				•					HC	•							•					EC				HC		2	#12	#12	0.75"C	1
SHP-2	SHP-2 INDOOR UNIT		0		•				•				•					HC	•							•					EC				HC		2	#12	#12	0.75"C	1
SHP-3	SHP-3 INDOOR UNIT		0		•				•				•					HC	•							•					EC				HC		2	#12	#12	0.75"C	1

Panel: G (NEW) 13 15

Location:
Supply From: A
Voltage: 120/240 Single-1PH-3W
Mounting: Surface
Enclosure: Type 1
A.I.C. Rating: SEE SINGLE LINE
Mains Type: MCB
Mains Rating: 60 A

CKT	Circuit Description	Trip	Poles	A		B		Poles	Trip	Circuit Description	CKT
1	Receptacle	20 A	1	540 VA	540 VA			1	20 A	Receptacle	2
3	EXTERIOR LIGHTING	20 A	1			440 VA	1200 VA	1	20 A	GARAGE DOOR	4
5	INTERIOR LIGHTING	20 A	1	500 VA	1200 VA			1	20 A	GARAGE DOOR	6
7	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	8
9	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	10
11	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	12
13	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	14
15	Spare	20 A	1			0 VA	0 VA	1	20 A	Spare	16
17	Spare	20 A	1	0 VA	0 VA			1	20 A	Spare	18
	Total Load:			2.78 kVA		1.64 kVA					

Load Classification	Connected...	Demand Factor	Estimated...	Panel Totals	
Lighting	940 VA	125.00%	1175 VA		
Motor	2400 VA	112.50%	2700 VA	**Total Conn. Load:**	4420 VA
Receptacle	1080 VA	100.00%	1080 VA	**Total Est. Demand:**	4955 VA
				Total Conn.:	18 A
				Total Est. Demand:	21 A

Notes:

TOTAL CONNECTED		ESTIMATED DEMAND
4.42 kVA		4.96 kVA (21 A)

GENERAL NOTES

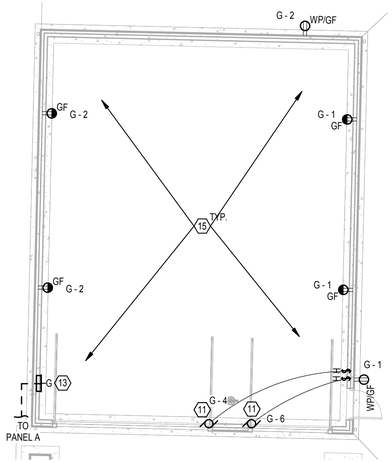
A. E.C. IS RESPONSIBLE FOR ALL CUTTING, PATCHING AND RESURFACING OF ANY/ALL HARD SURFACES DISTURBED TO FACILITATE THIS WORK.

B. E.C. SHALL REMOVE ALL ELECTRICAL DEVICES, WIRING, U/G CONDUITS, BOXES, SYSTEM COMPONENTS AND OTHER EQUIPMENT ASSOCIATED WITH DIVISION 26 TO ACCOMMODATE ALL NEW CONSTRUCTION AND REMODELING ON SITE. ONLY EXISTING DEVICES SERVING EXISTING EQUIPMENT TO REMAIN AND DEVICES INDICATED AS EXISTING SHALL BE MAINTAINED.

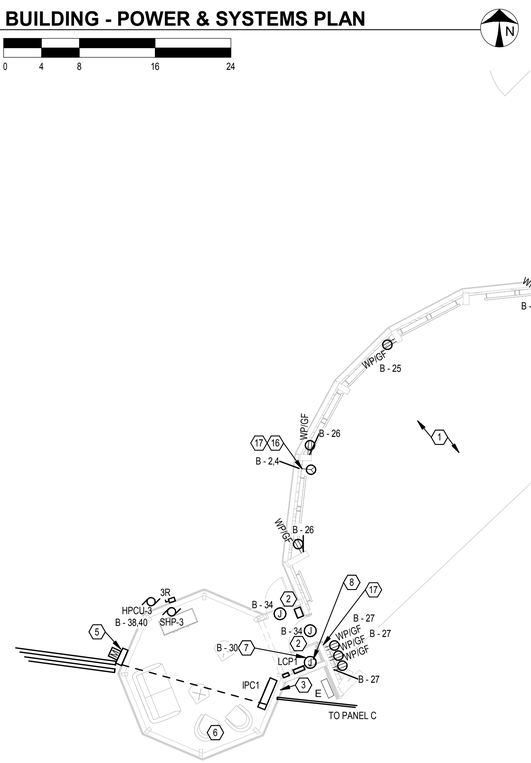
C. INTENT IS FOR ALL EXISTING ELECTRICAL DEVICES/FIXTURES OUTSIDE OF SCOPE OF WORK AND THE ASSOCIATED CIRCUITS SERVING THOSE FIXTURES TO REMAIN, UNLESS NOTED OTHERWISE.

NOTES

1. INTENT IS FOR ALL EXISTING RECEPTACLES IN SPACE TO BE REPLACED 1 FOR 1 WITH NEW, ALONG WITH NEW COVERPLATES. ALL NEW RECEPTACLES WITHIN 6' OF SINKS AND ABOVE COUNTERTOPS SHALL BE GFCI TYPE. NO NEW RECEPTACLES SHOULD BE ADDED WHERE THERE IS NOT AN EXISTING RECEPTACLE ALREADY. MAINTAIN EXISTING CIRCUITS FOR ALL REPLACED RECEPTACLES.
2. PROVIDE POWER, INCLUDING 2-#12, 1-#12 GRD. IN 0.75"C, TO ALL DOORS FOR POWERED LOCKS. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH DOOR LOCK MANUFACTURER.
3. PROVIDE NEW INTEGRATED POWER CENTER (IPC1), CONSISTING OF PANELS 'A' AND 'B', IN LOCATION INDICATED. REFER TO SINGLE LINE ON SHEET E004 FOR FURTHER INFORMATION.
4. PROVIDE 2-#8, 1-#10 GRD, IN 1"C FOR UNDERSINK ELECTRIC WATER AND CONNECT UP.
5. PROVIDE NEW ELECTRIC METER AND CT CABINET. COORDINATE EXACT REQUIREMENTS WITH POWER CO. PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
6. NEW FIBER LINE TO BE TERMINATED IN THIS LOCATION. PROVIDE BOX AND SWITCH FOR FIBER AND COORDINATE EXACT LOCATION WITH OWNER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
7. PROVIDE POWER AND WIRING TO SERVE IRRIGATION SYSTEM. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH IRRIGATION SYSTEM CONTRACTOR/MANUFACTURER AND EXACT LOCATION OF ELECTRICAL CONNECTION WITH LANDSCAPING CONSULTANT PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
8. EXISTING POWERGATE/CAMLOCK CONNECTION SHALL BE REMOVED, AND ALL ASSOCIATED BREAKER/EQUIPMENT/DEVICES SERVING/BEING SERVED BY POWERGATE SHALL BYPASS POWERGATE AND BE RECONNECTED. EXTEND ALL ASSOCIATED ELECTRICAL WIRING/DEVICES AS REQUIRED. MAINTAIN THROUGHOUT ALL NEW WORK. COORDINATE ALL ELECTRICAL/CAMLOCK NEMA CONFIGURATIONS, REQUIREMENTS AND CONNECTIONS WITH OWNER AND PROVIDE ACCORDINGLY.
9. PROVIDE NEW PANEL F. COORDINATE WITH OWNER FOR EXACT LOCATION IN ROOM. REFER TO NOTE 20 ON SHEET E100 FOR MORE INFORMATION. REFER TO SINGLE LINE ON SHEET E004.
10. PROVIDE A DOUBLE DUPLEX RECEPTACLE FOR IT RACK. COORDINATE EXACT MOUNTING HEIGHT AND LOCATION WITH EQUIPMENT/IT CONSULTANT PRIOR TO ROUGH IN AND PROVIDE ACCORDINGLY.
11. ALTERNATE G4: PROVIDE POWER AND WIRING, INCLUDING CONTROL WIRING, TO SERVE GARAGE DOOR. COORDINATE EXACT ELECTRICAL REQUIREMENTS WITH GARAGE DOOR MANUFACTURER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
12. PROVIDE A NEMA 6-30R RECEPTACLE FOR IT RACK. COORDINATE EXACT ELECTRICAL REQUIREMENTS AND EXACT MOUNTING HEIGHT AND LOCATION WITH EQUIPMENT/IT CONSULTANT PRIOR TO ROUGH IN AND PROVIDE ACCORDINGLY.
13. ALTERNATE G4: PROVIDE NEW PANEL G. COORDINATE WITH OWNER FOR EXACT LOCATION IN ROOM. REFER TO SINGLE LINE ON SHEET E004.
14. REMOVE EXISTING PANEL AND PROVIDE NEW A/V PANEL FOR MIC/PA CONNECTIONS.
15. ALTERNATE G4: PROVIDE ALL ELECTRICAL ITEMS INDICATED IN UTILITY/MAINTENANCE/STORAGE BUILDING AND ALL OTHER ITEMS ASSOCIATED UNDER ACCEPTANCE OF ALTERNATE G4 (MAINTENANCE/STORAGE FACILITY AND SITE WORK). IF ALTERNATE G4 IS NOT ACCEPTED, NONE OF THESE ITEMS OR WORK WILL BE PROVIDED, EXCEPT AS NOTED IN NOTE 4 ON SHEET E100.
16. PROVIDE (4) NEW "CAM-LOCK" NEMA 3R PLUGS AND CONNECTORS AT APPROXIMATE LOCATIONS AS INDICATED FOR LED VIDEO WALL CONNECTION. PROVIDE 4-#2/0 IN 2"C FROM EXISTING 100A BREAKER IN PANEL B TO CAM/LOCKS. BASIS OF DESIGN IS EATON #E1016 PLUGS AND CONNECTORS. COORDINATE ALL ELECTRICAL/CAMLOCK NEMA CONFIGURATIONS, REQUIREMENTS AND CONNECTIONS WITH OWNER AND PROVIDE ACCORDINGLY. COORDINATE EXACT LOCATION AND PENETRATION SEALING METHOD WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.
17. PROVIDE A MINIMUM 4" ACCESS HOLE AT APPROXIMATE LOCATION AS INDICATED FOR LED VIDEO WALL CONNECTION. COORDINATE EXACT SIZE,LOCATION, AND PENETRATION SEALING METHOD WITH ARCHITECT/OWNER PRIOR TO ROUGH-IN AND PROVIDE ACCORDINGLY.



3 UTILITY BUILDING - POWER & SYSTEMS PLAN
SCALE: 1/8" = 1'-0"
0 4 8 16 24



ALL WORK AT AND AFTER THE PANELS, OTHER THAN FEEDERS AND SITE BRANCH CIRCUITRY FROM THE PANELS, SHALL BE PROVIDED BY THE ELECTRICAL BUILDING CONTRACTOR, INCLUDING PANELS, ALL BUILDING DEVICES, BUILDING ATTACHED LIGHTING, AND BUILDING BRANCH CIRCUITRY.
ALL WORK FROM THE SITE/EXTERIOR UP TO THE THE PANELS, INCLUDING THE PANEL FEEDERS AND SITE BRANCH CIRCUITRY, SHALL BE PROVIDED BY THE ELECTRICAL SITE CONTRACTOR, INCLUDING ALL SITE DEVICES AND SITE LIGHTING.

1 AMPHITHEATER - POWER & SYSTEMS PLAN
SCALE: 1/8" = 1'-0"
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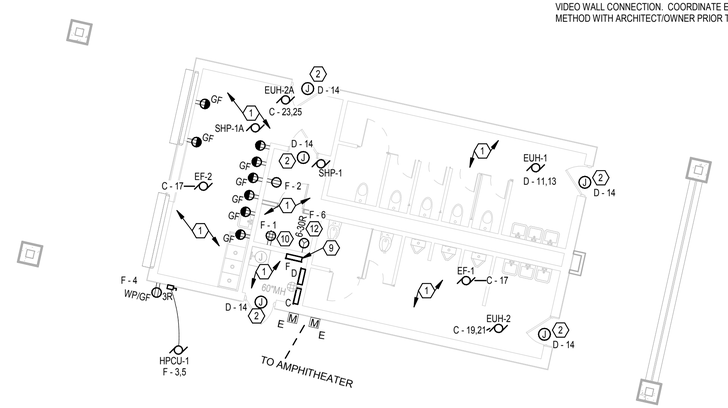

2 CONCESSIONS - POWER & SYSTEMS PLAN
SCALE: 1/8" = 1'-0"
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revision	date	issued

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68729
REGISTERED
PROFESSIONAL ENGINEER
7-14-2023

issue date 08/03/23
project number cc21008.01

sheet name
ENLARGED POWER ELECTRICAL PLANS

sheet number
E103

ALL WORK AT AND AFTER THE PANELS, OTHER THAN FEEDERS AND SITE BRANCH CIRCUITRY FROM THE PANELS, SHALL BE PROVIDED BY THE ELECTRICAL BUILDING CONTRACTOR, INCLUDING PANELS, ALL BUILDING DEVICES, BUILDING ATTACHED LIGHTING, AND BUILDING BRANCH CIRCUITRY.
ALL WORK FROM THE SITE/EXTERIOR UP TO THE THE PANELS, INCLUDING THE PANEL FEEDERS AND SITE BRANCH CIRCUITRY, SHALL BE PROVIDED BY THE ELECTRICAL SITE CONTRACTOR, INCLUDING ALL SITE DEVICES AND SITE LIGHTING.

GENERAL NOTES

A. E.C. IS RESPONSIBLE FOR ALL CUTTING, PATCHING AND RESURFACING OF ANY/ALL HARD SURFACES DISTURBED TO FACILITATE THIS WORK.

B. E.C. SHALL REMOVE ALL ELECTRICAL DEVICES, WIRING, U/G CONDUITS, BOXES, SYSTEM COMPONENTS AND OTHER EQUIPMENT ASSOCIATED WITH DIVISION 26 TO ACCOMMODATE ALL NEW CONSTRUCTION AND REMODELING ON SITE. ONLY EXISTING DEVICES SERVING EXISTING EQUIPMENT TO REMAIN AND DEVICES INDICATED AS EXISTING SHALL BE MAINTAINED.

C. INTENT IS FOR ALL EXISTING ELECTRICAL DEVICES/FIXTURES OUTSIDE OF SCOPE OF WORK AND THE ASSOCIATED CIRCUITS SERVING THOSE FIXTURES TO REMAIN, UNLESS NOTED OTHERWISE.

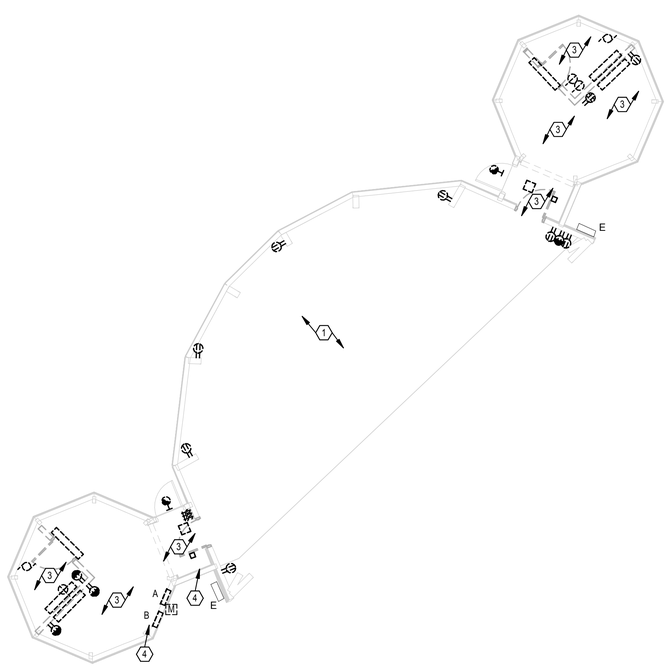
NOTES

1. INTENT IS FOR ALL EXISTING RECEPTACLES IN SPACE TO BE REPLACED 1 FOR 1 WITH NEW, ALONG WITH NEW COVERPLATES. ALL NEW RECEPTACLES WITHIN 6' OF SINKS AND ABOVE COUNTERTOPS SHALL BE GFCI TYPE. NO NEW RECEPTACLES SHOULD BE ADDED WHERE THERE IS NOT AN EXISTING RECEPTACLE ALREADY. MAINTAIN EXISTING CIRCUITS FOR ALL REPLACED RECEPTACLES.

2. EXISTING LIGHTS SHALL BE REPLACED 1 FOR 1 WITH NEW SAME LOCATION AS EXISTING. MAINTAIN EXISTING CIRCUITS FOR ALL REPLACED LIGHT FIXTURES. PROVIDE NEW DIMMING/CONTROL WIRING FOR FIXTURES AS INDICATED IN LIGHTING CONTROL SCHEDULE ON SHEET E003.

3. EXISTING LIGHTS IN AREA SHALL BE REPLACED WITH NEW. MAINTAIN EXISTING LIGHTING CIRCUITS IN SPACE AND EXTEND/CONNECT TO NEW FIXTURE AS REQUIRED. PROVIDE NEW DIMMING/CONTROL WIRING FOR FIXTURES AS INDICATED IN LIGHTING CONTROL SCHEDULE ON SHEET E003.PROVIDE NEW PANEL IN LOCATIONS INDICATED. REFER TO SINGLE LINE ON SHEET E004 FOR FURTHER INFORMATION.

4. EXISTING POWERGATE/CAMLOCK CONNECTION SHALL BE REMOVED, AND ALL ASSOCIATED BREAKER/EQUIPMENT/DEVICES SERVING/BEING SERVED BY POWERGATE SHALL BYPASS POWERGATE AND BE RECONNECTED. EXTEND ALL ASSOCIATED ELECTRICAL WIRING/DEVICES AS REQUIRED. MAINTAIN THROUGHOUT ALL NEW WORK. COORDINATE ALL ELECTRICAL/CAMLOCK NEMA CONFIGURATIONS, REQUIREMENTS AND CONNECTIONS WITH OWNER AND PROVIDE ACCORDINGLY.



1 **AMPHITEATER - ELECTRICAL DEMO PLAN**
SCALE: 1/8" = 1'-0"
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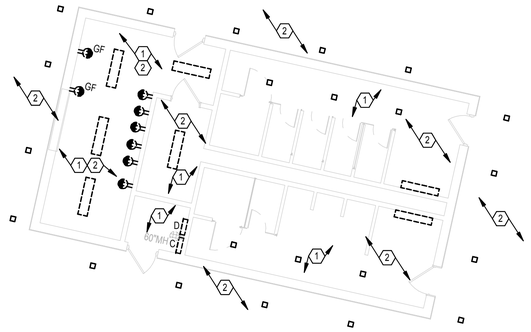

2 **CONCESSIONS - ELECTRICAL DEMO PLAN**
SCALE: 1/8" = 1'-0"
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GENERAL FLOOR PLAN NOTES

3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN UNLESS NOTED OTHERWISE.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
A1	EQUIPMENT, DEVICE, OR PLUMBING FIXTURE MARK. LETTER DESIGNATIONS REFER TO SCHEDULES.
H1 OR H1	EQUIPMENT REFERENCE. LETTER DESIGNATION VARIES. REFER TO SCHEDULES.
B / H2	DETAIL: B = DETAIL DESIGNATION H2 = SHEET WHERE DETAIL IS LOCATED
1 / H2	SECTION: 1 = SECTION DESIGNATION H2 = SHEET WHERE DETAIL IS LOCATED
TOE: 3' - 0" BOE: 0' - 6"	APPROXIMATE DIMENSION ABOVE FINISHED FLOOR TO TOP OR BOTTOM OF EQUIPMENT, UNLESS NOTED OTHERWISE
10" ELEV: 8' - 0" 10" ELEV: 8' - 0"	APPROXIMATE DIMENSION ABOVE FINISHED FLOOR TO CENTERLINE OF PIPE, UNLESS NOTED OTHERWISE
20x20 TOD: 8' - 10" 20x20 BOD: 7' - 2"	APPROXIMATE DIMENSION ABOVE FINISHED FLOOR TO TOP OR BOTTOM OF DUCTWORK, UNLESS NOTED OTHERWISE
	CONNECT TO EXISTING

MISC SYMBOLS

C	CARBON DIOXIDE SENSOR. WHEN WALL MOUNTED, MOUNTING HEIGHT 46" TO MEET ADA REQUIREMENTS. WHEN MOUNTED NEXT TO WALL SWITCH COORDINATE WITH ARCHITECT.
T	SPACE TEMPERATURE SENSOR / THERMOSTAT. WHEN WALL MOUNTED, MOUNTING HEIGHT 46" TO MEET ADA REQUIREMENTS. WHEN MOUNTED NEXT TO WALL SWITCH COORDINATE WITH ARCHITECT.
H	HUMIDITY SENSOR. WHEN WALL MOUNTED, MOUNTING HEIGHT 46" TO MEET ADA REQUIREMENTS. WHEN MOUNTED NEXT TO WALL SWITCH COORDINATE WITH ARCHITECT.
S	TEMPERATURE SENSOR. WHEN WALL MOUNTED, MOUNTING HEIGHT 46" TO MEET ADA REQUIREMENTS. WHEN MOUNTED NEXT TO WALL SWITCH COORDINATE WITH ARCHITECT.

DUCTWORK DEVICE SYMBOLS

A3 10ø 300	AIR DEVICE. A3 = DESIGNATION (REFER TO FLOOR PLANS AND AIR DEVICE SCHEDULE FOR VARIOUS DESIGNATIONS). 10ø = NECK SIZE (IN INCHES). 300 = REQUIRED CFM. ALL AIR DEVICE DISCHARGE 4-WAY UNLESS NOTED WITH FLOW ARROWS. AIR DEVICE SHOWN IS 2-WAY SIDE THROW. METHOD OF IDENTIFICATION ALSO APPLIES TO OTHER CEILING MOUNTED AIR DEVICES.
SG1 20x12 300 BOG: 9'-0"	WALL OR DUCTWORK MOUNTED AIR DEVICE. SG1 = DESIGNATION (REFER TO AIR DEVICE SCHEDULE). 20x12 = DUCT CONNECTION SIZE (IN INCHES). 300 = REQUIRED CFM. 9'-0" = MOUNTING HEIGHT FROM FLOOR TO BOTTOM OF GRILLE.
	MANUAL BALANCING DAMPER WITH LOCKING DEVICE
XXX	BDD = BACK DRAFT DAMPER CBD = COUNTER-BALANCED BACK DRAFT DAMPER
A-D	FIRE DAMPER A = TYPE (REFER TO FLOOR PLANS FOR VARIOUS TYPES) D OR S = DYNAMIC OR STATIC
XX	SD = SMOKE DAMPER FS = COMBINATION FIRE - SMOKE DAMPER MDD = MOTORIZED DAMPER AFMS = AIR FLOW MEASURING STATION
SD	DUCT MOUNTED SMOKE DETECTOR. COORDINATE LOCATION.
H	HUMIDITY SENSOR - DUCT MOUNTED
SP	STATIC PRESSURE SENSOR - DUCT MOUNTED
C	CARBON DIOXIDE SENSOR - DUCT MOUNTED
S	TEMPERATURE SENSOR - DUCT MOUNTED

NOTE: ALL SYMBOLS AND ABBREVIATIONS ARE SUBJECT TO MODIFICATIONS ON OTHER DRAWINGS.

ALL SYMBOLS OR ABBREVIATIONS MIGHT NOT NECESSARILY BE USED ON THIS PROJECT.

ABBREVIATIONS

AC	- AIR COMPRESSOR OR AIR CONDITIONER	ID	- INSIDE DIAMETER
ACCU	- AIR COOLED CONDENSING UNIT	INV	- INVERT ELEVATION
AD	- ACCESS DOOR OR AREA DRAIN	IN	- INCHES
ADJ	- ADJUSTABLE		
AFF	- ABOVE FINISHED FLOOR	KEC	- KITCHEN EQUIPMENT CONTRACTOR
AFG	- ABOVE FINISHED GRADE		
AFMS	- AIR FLOW MEASURING STATION	L	- LENGTH
ALT	- ALTERNATE	LAT	- LEAVING AIR TEMPERATURE
AP	- ACCESS PANEL	LAV	- LAVATORY
APPROX	- APPROXIMATE	LBS	- POUNDS
ARCH	- ARCHITECT OR ARCHITECTURAL	LPC	- LOW PRESSURE CONDENSATE RETURN
ASSY	- ASSEMBLY	LPS	- LOW PRESSURE STEAM SUPPLY
ATC	- AUTOMATIC TEMPERATURE CONTROL (SYNONYMOUS WITH BAS)	LWT	- LEAVING WATER TEMPERATURE
		MAX	- MAXIMUM
BAS	- BUILDING AUTOMATION SYSTEM	MDD	- MOTORIZED DAMPER
BDD	- BACK DRAFT DAMPER	MEZZ	- MEZZANINE
BFP	- BACKFLOW PREVENTER	MFR	- MANUFACTURER
BLDG	- BUILDING	MH	- MANHOLE
BOB	- BOTTOM OF BEAM	MIN	- MINIMUM OR MINUTE
BOD	- BOTTOM OF DUCT	MISC	- MISCELLANEOUS
BOE	- BOTTOM OF EQUIPMENT	MTD	- MOUNTED
BOF	- BOTTOM OF FOOTING	MTG	- MOUNTING
BOG	- BOTTOM OF GRILLE	MPC	- MEDIUM PRESSURE CONDENSATE RETURN
BOP	- BOTTOM OF PIPE		
BOT	- BOTTOM	MPS	- MEDIUM PRESSURE STEAM SUPPLY
BTU	- BRITISH THERMAL UNIT	MU	- WATER MAKE-UP
BTUH	- BRITISH THERMAL UNIT PER HOUR		
		N/C	- NORMALLY CLOSED
CBD	- COUNTER BALANCED BACKDRAFT DAMPER	N/C	- NOT IN CONTRACT
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED	N/O	- NORMALLY OPEN
		NOM	- NOMINAL
CFM	- CUBIC FEET PER MINUTE	NPT	- NATIONAL PIPE THREAD
CHS	- CHILLED WATER SUPPLY	NTS	- NOT TO SCALE
CHR	- CHILLED WATER RETURN		
CHGR	- CHILLED WATER GLYCOL SOLUTION RETURN	OA	- OUTDOOR AIR
CHGS	- CHILLED WATER GLYCOL SOLUTION SUPPLY	OBD	- OPPOSED BLADE DAMPER
CLG	- CEILING	OD	- OUTSIDE DIAMETER
CMU	- CONCRETE MASONRY UNIT	OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
CO	- CLEAN OUT		
CO2	- CARBON DIOXIDE	OFOI	- OWNER FURNISHED OWNER INSTALLED
CONN	- CONNECT OR CONNECTION		
CONTR	- CONTRACTOR	P	- PROPANE GAS
CTR	- CENTER	PC	- PLUMBING CONTRACTOR (DIVISION 22) OR PUMPED CONDENSATE RETURN
CU	- COPPER		
CW	- COLD WATER	PLBG	- PLUMBING
CWR	- CONDENSER WATER RETURN	PRESS	- PRESSURE
CWS	- CONDENSER WATER SUPPLY	PRV	- PRESSURE REGULATING VALVE
		PSF	- POUNDS PER SQUARE FOOT
D	- DRAIN LINE	PSI	- POUNDS PER SQUARE INCH
DB	- DRY BULB	PSIG	- POUNDS PER SQUARE INCH GAUGE
DDC	- DIRECT DIGITAL CONTROLS		
DI	- DEIONIZED WATER	RA	- RETURN AIR
DIA	- DIAMETER	RAD	- RADIUS
DIM	- DIMENSION	RCP	- REFLECTED CEILING PLAN
DN	- DOWN	RD	- ROOF DRAIN
DWG	- DRAWING	REC	- RECESSED
		REQD	- REQUIRED
EA	- EACH OR EXHAUST AIR	RI	- ROUGH IN
EAT	- ENTERING AIR TEMPERATURE	RL	- REFRIGERANT LIQUID
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)	ROS	- REVERSE OSMOSIS WATER SUPPLY
EJ	- EXPANSION JOINT	ROR	- REVERSE OSMOSIS WATER RETURN
ELEC	- ELECTRICAL	RPM	- REVOLUTIONS PER MINUTE
ELEV	- ELEVATOR	RS	- REFRIGERANT SUCTION
EQUIP	- EQUIPMENT		
ET	- EXPANSION TANK	S	- SPRINKLER (WET)
ETR	- EXISTING TO REMAIN	SA	- SUPPLY AIR
EQS	- EQUIPMENT SUPPLIER	SAN	- SANITARY OR SANITARY DRAIN
EWT	- ENTERING WATER TEMPERATURE	SCH	- SCHEDULE
EXH	- EXHAUST	SCW	- SOFT COLD WATER
EXP	- EXPANSION	SHT	- SHEET
EXT	- EXTERIOR	SPEC	- SPECIFICATIONS
EX	- EXISTING	SQ	- SQUARE
		SR	- SUPPLY RISER
FD	- FLOOR DRAIN	SRV	- SAFETY RELIEF VALVE
FF	- FINISHED FLOOR ELEVATION	SS	- STAINLESS STEEL
FLR	- FLOOR	STD	- STANDARD
FOB	- FLAT ON BOTTOM	STM	- STORM OR STORM DRAINAGE
FOF	- FUEL OIL FLOW	STRUC	- STRUCTURAL OR STRUCTURE
FOG	- FUEL OIL GAUGE	SUC	- SITE UTILITY CONTRACTOR
FOR	- FUEL OIL RETURN		
FOS	- FUEL OIL SUPPLY	TEMP	- TEMPERATURE
FOT	- FLAT ON TOP	TOB	- TOP OF BEAM
FPM	- FEET PER MINUTE	TOD	- TOP OF DUCT
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)	TOE	- TOP OF EQUIPMENT
FT	- FEET	TOF	- TOP OF FOOTING
FTG	- FOOTING	TOJ	- TOP OF JOIST
		TOP	- TOP OF PIPE
G	- GAS OR NATURAL GAS	TOS	- TOP OF SLAB OR TOP OF STEEL
GA	- GAUGE	TYP	- TYPICAL
GAL	- GALLON		
GALV	- GALVANIZED	UNO	- UNLESS NOTED OTHERWISE
GC	- GENERAL TRADES CONTRACTOR		
GPM	- GALLONS PER MINUTE	V	- VENT
		VAC	- VACUUM
HB	- HOSE BIBB	VEL	- VELOCITY
HC	- HVAC CONTRACTOR (DIVISION 23)	VIB	- VALVE IN BOX
HD	- HUB DRAIN	VOL	- VOLUME
HG	- REFRIGERANT HOT GAS	VTR	- VENT THROUGH ROOF
HP	- HORSEPOWER	VR	- VENT RISER
HPC	- HIGH PRESSURE CONDENSATE RETURN		
HPS	- HIGH PRESSURE STEAM SUPPLY	W/	- WITH
HR	- HOUR	W/O	- WITHOUT
HT	- HEAT TRACE	WB	- WET BULB
HTR	- HEATER	WCO	- WALL CLEANOUT
HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING		
HW	- HOT WATER		
HWR	- HEATING HOT WATER RETURN		
HWS	- HEATING HOT WATER SUPPLY		

DUCTWORK SYMBOLS

RECTANGULAR	ROUND / OVAL	
	CONICAL FITTING	ROUND BRANCH DUCTWORK
ACOUSTIC FITTING	ACOUSTIC FITTING	RECTANGULAR BRANCH DUCTWORK
		SQUARE TEE WITH TURNING VANES NOTE: ALL SQUARE ELBOWS IN RECTANGULAR AND ROUND / OVAL DUCTWORK SHALL BE PROVIDED WITH TURNING VANES. REFER TO SPECIFICATIONS FOR ADDITIONAL DETAILS.
		RADIUS'D TEE
		RADIUS'D BRANCH
		UNLESS NOTED OTHERWISE ON DRAWINGS, 15° MAX FOR DIVERGING, 30° MAX FOR CONVERGING TRANSITION
		EXISTING DUCTWORK TO REMAIN
		EXISTING DUCTWORK TO REMOVED
		RETURN AIR, RELIEF AIR, OR TRANSFER AIR DUCTWORK. (UP AND DOWN) RADIUSED OR SQUARE WITH TURNING VANES.
		SUPPLY AIR OR OUTDOOR AIR DUCTWORK. (UP AND DOWN) RADIUSED OR SQUARE WITH TURNING VANES.
		EXHAUST AIR DUCTWORK. (UP AND DOWN) RADIUSED OR SQUARE WITH TURNING VANES.
		RECTANGULAR AND ROUND / OVAL DUCTWORK RISE / DROP WITH 90° RADIUSED OR SQUARE ELBOWS AND TURNING VANES.
		RADIUS ELBOW
		90° SQUARE ELBOW (WITH TURNING VANES) NOTE: ALL SQUARE ELBOWS IN RECTANGULAR AND ROUND DUCTWORK SHALL BE PROVIDED WITH TURNING VANES.
		SQUARE THROAT / RADIUS HEEL FITTINGS NOT ACCEPTABLE
AD	AD	ACCESS DOOR OR PANEL
R	R	DUCTWORK RISE IN DIRECTION OF AIR FLOW
D	D	DUCTWORK DROP IN DIRECTION OF AIR FLOW
		FLEXIBLE DUCTWORK
		DUCTWORK WITH ACOUSTICAL LINER. LISTED DUCT SIZES ARE INSIDE CLEAR DIMENSIONS
		FLEXIBLE CONNECTION
		DUCTWORK CONSTRUCTED OF SPECIAL MATERIAL AS NOTED
		DIRECTION OF PITCH
26x20		RECTANGULAR DUCTWORK DIMENSIONS (W x H)
26ø		ROUND DUCTWORK DIMENSIONS (DIA)
26x20 OV		OVAL DUCTWORK DIMENSIONS (W x H)

GENERAL NOTES

A. COORDINATE THE LOCATION OF ALL DEVICES LOCATED IN THE CEILING WITH THE ARCHITECT'S REFLECTED CEILING PLAN AND OTHER TRADES DURING CONSTRUCTION. ALL CEILING AIR DEVICES SMALLER THAN THE GRID DIMENSIONS SHALL BE MOUNTED CENTERED WITHIN THE CEILING GRID TILE.

B. ALL EQUIPMENT ABOVE THE CEILING REQUIRING MAINTENANCE ACCESS SHALL BE MOUNTED A MAXIMUM OF 18" ABOVE CEILING TO ALLOW FOR ACCESS.

C. ANNULAR SPACE AROUND DUCTWORK, PIPING, CONDUIT, AND OTHER SIMILAR PENETRATIONS OR COMBINATIONS OF PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE FIRESTOPPED TO RETARD THE PASSAGE OF FIRE AND SMOKE, REFER TO SPECIFICATION SECTION 23 05 05 FIRESTOPPING.

D. H.C. TO COORDINATE LOCATIONS OF ALL EQUIPMENT, DUCTWORK, PIPING, AND AIR DEVICES WITH STRUCTURAL MEMBERS AND THE WORK OF OTHER TRADES PRIOR TO FINAL INSTALLATION OFFSET PIPING AND DUCTWORK AS REQUIRED TO MAINTAIN ALL MANUFACTURER'S RECOMMENDED CLEARANCES.

E. COORDINATE ALL WALL AND ROOF OPENINGS WITH GENERAL TRADES CONTRACTOR.

F. IN GENERAL, KEEP DUCT AND PIPING MAINS HIGH IN CEILING CAVITY, TIGHT TO STRUCTURE, WHERE POSSIBLE. ALL DUCTS AND PIPES SHALL BE RUN ABOVE CEILING UNLESS NOTED OTHERWISE. WHERE NO CEILINGS ARE INSTALLED HOLD AS HIGH AS POSSIBLE TO STRUCTURE UNLESS NOTED OTHERWISE.

G. BRANCH DUCTS TO AIR DEVICES SHALL BE EQUAL TO DEVICE INLET SIZE UNLESS NOTED OTHERWISE.

H. HVAC CONTRACTOR SHALL CLEAN AND PREPARE FOR PAINTING ALL HVAC PIPING, DUCTWORK, AND HVAC TEMPERATURE CONTROL CONDUIT LOCATED IN FINISHED ROOMS WHICH DO NOT HAVE A CEILING. THESE ITEMS ARE EXPOSED DUE TO THE LACK OF A CEILING AND WILL BE PAINTED BY THE GENERAL CONTRACTOR.

I. RUN-OUTS TO SUPPLY DIFFUSERS, RETURN GRILLES, AND EXHAUST GRILLES SHALL INCLUDE MANUAL DAMPERS PER DETAILS (NOT SHOWN ON PLANS FOR CLARITY). PROVIDE ADDITIONAL DAMPERS AS SHOWN ON FLOOR PLANS OR WHERE REQUIRED FOR SYSTEM BALANCING REGARDLESS OF BEING SHOWN OR NOT.

J. ALL SQUARE CORNER DUCT FITTINGS SHALL BE EQUIPPED WITH TURNING VANES AS SPECIFIED IN 23 31 13.

K. DUCT RUN-OUT SIZE TO CEILING DIFFUSERS TO BE SAME SIZE AS THE DIFFUSER NECK UNLESS OTHERWISE NOTED.

L. EXACT LOCATION OF ALL WALL MOUNTED ITEMS (STATS, SENSORS, SWITCHES, CONTROL PANELS) SHALL BE SUBMITTED FOR REVIEW AND APPROVED BY THE OWNER ENGINEER. SUBMITTAL SHALL BE MADE IN A TIMELY FASHION SO REVIEW MAY BE CONDUCTED PRIOR TO INSTALLATION OF FINISHED WALL SURFACES.

M. HVAC CONTRACTOR SHALL COORDINATE CLOSELY WITH OTHER TRADES IN LOCATING THE INSTALLING ALL SYSTEMS ABOVE CORRIDORS, SPECIFICALLY, COORDINATE LAYOUT WITH E.C. TO ALLOW SUFFICIENT SPACE FOR CABLE TRAY SYSTEM.

N. ALL WORK TO BE BY BUILDING CONTRACTOR UNLESS OTHERWISE NOTED.

HVAC SHEET LIST

SHEET NUMBER	SHEET NAME
M001	MECHANICAL LEGEND
M002	MECHANICAL SCHEDULES & DETAILS
M003	MECHANICAL SCHEDULES
M101	MECHANICAL - DEMOLITION
M102	MECHANICAL - NEW WORK
M103	MECHANICAL - NEW WORK

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PROJECT NO. 2021-07068

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MECHANICAL LEGEND

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M001

DUCT CONSTRUCTION, SEALING, AND INSULATION

GENERAL NOTES:
A. REFER TO SPECIFICATIONS FOR DUCT CONSTRUCTION: SHEET METAL DUCT; INTERIOR LINING; EXTERIOR INSULATION; FIBERGLASS DUCTBOARD; ETC.
B. DUCT CONSTRUCTION AND SEALING SHALL BE PER LATEST S.M.A.C.N.A. STANDARDS.

NOTES:
1. INSULATE FROM 24" UPSTREAM OF BACKDRAFT / ISOLATION DAMPER TO PENETRATION OF WALL / ROOF.

	S.M.A.C.N.A. CLASS.								
			LEAKAGE CLASS						
DUCT SYSTEM	S.P. CONSTRUCT.	SEAL CLASS	RECT	RND	INTERNALLY LINED	EXTERNAL INSULATION	DOUBLE WALL INSULATED	NOT INSULATED	SEE NOTE
TOILET OR GENERAL EXHAUST DUCTWORK	1"	A	16	8	-	NOTE 1	-	-	-

HVAC DESIGN DATA

GENERAL NOTES:
A. OUTDOOR DESIGN CONDITIONS:
92°F DB SUMMER
74°F WB SUMMER
1°F DB WINTER
B. DESIGN ALTITUDE: 850 FT.

NOTES:
1. LISTED RH IS MAXIMUM ANTICIPATED AT LISTED DB TEMPERATURE.
2. "FLOATING" MEANS THERE IS NO ACTIVE CONTROL.
3. OUTDOOR AIR VENTILATION ONLY.

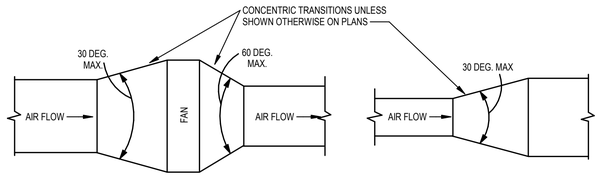
	INTERIOR DESIGN DATA				
	SUMMER		WINTER		
SPACE NAME / TYPE	°F DB	% RH (NOTE 1)	°F DB	% RH	SEE NOTE
REST ROOMS	NOTE 3	FLOATING	65	FLOATING	3
ALL OTHER SPACES	NOTE 3	FLOATING	65	FLOATING	3

AIR DISTRIBUTION DEVICES

GENERAL NOTES:
A. ALL LAY-IN AIR DEVICES SHALL FIT IN 24"X24" LAY-IN CLG SYSTEM. VERIFY GRID TYPE AND COORDINATE AIR DEVICE COMPATIBILITY.
B. FINISH KEY: "W.B.E." - WHITE BAKED ENAMEL;
"E.C.L." - ETCHED CLEAR LACQUER OR ANODIZED;
"C.C.B.A." - CUSTOM COLOR SELECTED BY ARCHITECT.
C. SUPPLY AIR DIFFUSERS SHALL BE 4-WAY BLOW, UNLESS INDICATED OTHERWISE ON DRAWINGS.
D. PROVIDE AUX. FRAMES FOR AIR DEVICES IN PLASTER, GYPSUM BOARD, TILE OR OTHER HARD SURFACES.

NOTES:
1.

		MOUNTING TYPE					MATERIAL		FINISH					BASIS OF DESIGN		
MARK	DESCRIPTION	LAY-IN	SURFACE	DUCT	SPLINE	SNAP-IN	STEEL	ALUMINUM	STAINLESS STEEL	W.B.E.	E.C.L.	C.C.B.A.	OPPOSED BLADE DAMPER	SQ-TO-RD NECK ADAPTOR	MANUFACTURER	MODEL	SEE NOTE
K1	EGGCRATE GRILLE		•					•		•					TITUS	300FL	



TYPICAL DUCTWORK TRANSITION WITH EQUIPMENT MOUNTED IN DUCT PLAN OR SIDE VIEW

TYPICAL DUCTWORK TRANSITION PLAN OR SIDE VIEW

NOTE:
A. UNLESS OTHERWISE INDICATED ON PLANS, MAXIMUM ANGLES SHOWN SHALL APPLY.
B. TRANSITION ANGLES IN AND OUT OF FANS SHALL BE 50% OF THOSE SHOWN ABOVE.

DUCTWORK TRANSITIONS

SCALE: NONE

FANS

GENERAL NOTES:
A. ALL FANS SHALL BE A.M.C.A. 211 AND 311 PERFORMANCE CERTIFIED AND SHALL BEAR THE A.M.C.A. LABEL.
B. SONES VALUES BASED ON A.M.C.A. 301 MEASURED AT 5 FT.
C. MOTOR HORSEPOWERS LISTED SHALL BE CONSIDERED MINIMUM.
E. ROOF & WALL OPENINGS ARE APPROX. VERIFY SIZE & COORDINATE.
F. COORDINATE STEEL FRAMING AROUND ROOF OPENING WHERE REQUIRED FOR DECK SUPPORT, AND WALL LINTELS FOR WALL OPENINGS.
G. VFD'S SHALL BE CONSTRUCTED AND LABELED FOR REQUIRED SCCR (SHORT CIRCUIT CURRENT RATING). COORDINATE WITH DIVISION 26.
H. IF EC MOTORS ARE INDICATED OR SPECIFIED, EACH MOTOR SHALL BE PROVIDED WITH FACTORY DISCONNECTING MEANS, INTERNAL OVERLOAD PROTECTION, FIELD ADJUSTABLE SPEED CONTROL, AND REMOTE ANALOG SPEED CONTROL INPUT WHEN REMOTE CONTROL IS SPECIFIED, COORDINATED WITH THE BUILDING AUTOMATION SYSTEM.

NOTES:
1. INTERLOCKED WITH WALL SWITCH.
2. FAN OPERATION BY SCHEDULED TIMER SWITCH. COORDINATE WITH E.C. AND OWNER.
3. FAN OPERATED WITH WALL SWITCH. COORDINATE WITH E.C.
4. FAN TO INCLUDE INTEGRAL BACKDRAFT DAMPER.

							MOTOR						BASIS OF DESIGN		
MARK	DESCRIPTION	SERVICE	FAN CFM	STATIC PRESSURE (IN. W.C.)	APPROX. WHEEL DIAMETER	MAXIMUM SONES	HORSEPOWER (HP)	VOLTAGE - PHASE	ELECTRONICALLY COMMUTATED	VARIABLE FREQUENCY DRIVE	MINIMUM SCCR (AMPS)	APPROX. WEIGHT (LBS.)	MANUFACTURER	MODEL	SEE NOTE
EF-1	INLINE CENTRIFUGAL	RESTROOM EXHAUST	757	.36	10	1.4	318W	115-1	-	-	5K	59	GREENHECK	CSP-A900	2
EF-2	INLINE CENTRIFUGAL	CONCESSION EXHAUST	932	.39	18	5.9	1/8	115-1	-	-	5K	90	GREENHECK	SQ-140-C	3,4
EF-3	CEILING FAN	RESTROOM EXHAUST	76	.26	8	.4	15W	115-1	-	-	5K	15	GREENHECK	SP-A90	1

ELECTRIC UNIT HEATERS

GENERAL NOTES:
A. HEATING CAPACITY BASED ON 60°F ENT. AIR.
B. ELECTRIC SERVICE - SINGLE POINT POWER CONNECTION WITH INTEGRAL CONTROLS TRANSFORMER. ADEQUACY OF LISTED CIRCUIT SIZE MUST BE VERIFIED BY H.C. AND UNIT SUPPLIER. COST FOR INCREASE OR CHANGE OF ELECTRIC SERVICE FOR EQUIPMENT SELECTED SHALL BE BORNE BY H.C.
C. ELECTRICAL SERVICE TO 3-PHASE UNITS SHALL BE 3-WIRE UNLESS NOTED OTHERWISE.
D. 3-PHASE COIL LOADS SHALL BE DIVIDED EVENLY ACROSS EACH PHASE.
E. VERIFY / COORDINATE CABINET DIMENSIONS, MOUNTING & RECESS REQUIREMENTS PRIOR TO ORDERING.
F. RECESSED UNITS SHALL HAVE FOUR(4) SIDE OVERLAP UNLESS NOTED OTHERWISE.
G. COORDINATE LINTELS IN MASONRY WALLS FOR FULL & SEMI-RECESSED UNIT WALL OPENINGS.
H. IF EC MOTORS ARE INDICATED OR SPECIFIED, EACH MOTOR SHALL BE PROVIDED WITH FACTORY DISCONNECTING MEANS, INTERNAL OVERLOAD PROTECTION, FIELD ADJUSTABLE SPEED CONTROL, AND REMOTE ANALOG SPEED CONTROL INPUT WHEN REMOTE CONTROL IS SPECIFIED, COORDINATED WITH THE BUILDING AUTOMATION SYSTEM.
I. WHEN APPLICABLE, REFER TO SPECIFICATIONS FOR VIBRATION ISOLATOR TYPES AND SEISMIC RESTRAINT REQUIREMENTS.

NOTES:
1. MOUNTING HEIGHT TO BOTTOM OF UNIT, UNLESS NOTED OTHERWISE ON FLOOR PLANS.
2. MAKE / MODEL: RAYWALL / HF2B5105N
3. MAKE / MODEL: RAYWALL / AFA115D
4. MAKE / MODEL: RAYWALL / AFA107D
5. HEATER TO OPERATE WHEN SPACE DROPS BELOW 60 °F.

			FAN			HEATING		ELECTRICAL SERVICE						APPROX. CABINET DIMENSIONS					THERMOSTAT		
				MOTOR																	
MARK	DESCRIPTION	MOUNTING	CFM	MOTOR (HP/ WATTS)	ELECTRONICALLY COMMUTATED	CAPACITY(MBH)	KW	VOLTAGE - PHASE	FULL LOAD AMPS (FLA)	MAX OVER CURRENT PROTECTION (MOCP)	MINIMUM SCCR (AMPS)	INTEGRAL DISCONNECT	WIDTH	DEPTH	HEIGHT	RECESS	MOUNTING HEIGHT (AFF, NOTE 1)	UNIT MOUNTED	WALL MOUNTED	SEE NOTE
EUH-1	RESTROOM HEATER	SUSPENDED	400	1/3	-	12.8	3.7	240-1	17.1	30	5K	•	14"	6"	18"	0"	8'-0"	•	-	1,2,5
EUH-2	RESTROOM HEATER	SUSPENDED	400	1/3	-	12.8	3.7	240-1	17.1	30	5K	•	14"	6"	18"	0"	8'-0"	•	-	1,2,5
EUH-2A	STAND HEATER	SUSPENDED	400	1/3	-	11.2	3.7	240-1	17.1	30	5K	•	14"	6"	18"	0"	8'-0"	•	-	1,2,5

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SPLIT SYSTEM HEAT PUMP UNITS

GENERAL NOTES:

A. UNLESS NOTED OTHERWISE, CAPACITIES SHALL BE BASED ON INTERIOR DESIGN CONDITIONS OF 92 DB / 74 WB COOLING; 1 DB HEATING.
B. HEAT PUMP COOLING CAPACITY SHALL BE BASED ON 95°F AMBIENT CONDITIONS.
C. HEAT PUMP HEATING CAPACITY SHALL BE BASED ON 0°F AMBIENT CONDITIONS.
D. CONDENSING UNITS SHALL INCLUDE LOW AMBIENT COOLING & HEATING CONTROLS AND ACCESSORIES, OPERATIONAL TO 0°F.
E. WHEN APPLICABLE, REFER TO SPECIFICATIONS FOR VIBRATION ISOLATOR TYPES AND SEISMIC RESTRAINT REQUIREMENTS.
F. REFRIGERANT PIPING - SIZES LISTED ARE APPROX. CIRCUITING, SIZING, NUMBER OF PIPES AND CIRCUITS, ARRANGEMENT, ETC. SHALL BE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
G. ELECTRIC SERVICES FOR OUTDOOR UNIT AND INDOOR UNIT - SINGLE POINT POWER SERVICE CONNECTIONS TO EACH UNIT. UNLESS NOTED OTHERWISE, ADEQUACY OF LISTED CIRCUIT SIZES MUST BE VERIFIED BY H.C. AND UNIT SUPPLIER. COST FOR INCREASE OR CHANGE OF ELECTRIC SERVICE FOR EQUIPMENT SELECTED SHALL BE BORNE BY H.C.
H. IF EC MOTORS ARE INDICATED OR SPECIFIED, EACH MOTOR SHALL BE PROVIDED WITH FACTORY DISCONNECTING MEANS, INTERNAL OVERLOAD PROTECTION, FIELD ADJUSTABLE SPEED CONTROL, AND REMOTE ANALOGUE SPEED CONTROL INPUT WHEN REMOTE CONTROL IS SPECIFIED, COORDINATED WITH THE BUILDING AUTOMATION SYSTEM.
I. COOLING COIL CONDENSATE PUMPS SHALL BE FACTORY-FURNISHED, COMPATIBLE WITH INDOOR FAN COIL UNIT VOLTAGE AND POWERED FROM THE INDOOR FAN COIL UNIT SINGLE POINT POWER CONNECTION.

NOTES:
1. POWER FOR INDOOR UNIT IS TO BE FED THRU THE OUTDOOR UNIT POWER SUPPLY.

INDOOR UNIT

MARK	DESCRIPTION	TYPE: WALL-MOUNTED	TYPE: CEILING-MOUNTED	TYPE: CEILING RECESSED	TYPE: DUCTED	LOCATION: ROOM NAME	FAN: CFM	FAN: EXTERNAL STATIC PRESSURE (IN. W.C.)	FAN: MOTOR (HP)	FAN: ELECTRONICALLY COMMUTATED MOTOR	COIL CAPACITY: COOLING: ENT. AIR TEMP DB/WB	COIL CAPACITY: COOLING: TOTAL / SENSIBLE CAPACITY (MBH)	COIL CAPACITY: HEATING: ENTERING AIR TEMP. DB	COIL CAPACITY: HEATING: CAPACITY (MBH)	ELECTRICAL SERVICE: SERVED THRU OUTDOOR UNIT (NOTE 1)	ELECTRICAL SERVICE: VOLTAGE - PHASE	ELECTRICAL SERVICE: FULL LOAD AMPS (FLA)	ELECTRICAL SERVICE: MIN CIRCUIT AMPS (MCA)	ELECTRICAL SERVICE: MAX OVER CURRENT PROTECTION (MOCP)	ELECTRICAL SERVICE: MINIMUM SCCR (AMPS)	APPROX. DIMENSIONS: LENGTH	APPROX. DIMENSIONS: WIDTH	APPROX. DIMENSIONS: HEIGHT	COOLING COIL CONDENSATE DRAIN PUMP	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL
SHP-1	WALL MOUNT	●	-	-	-	DATA ROOM	646	NA	30W	-	75.0 / 62.4	16.9 / 15.7	70	10.5	●	240-1	.67	1	15	5K	37"	10"	12"	-	TRANE	NTXWST18A112AA
SHP-2	WALL MOUNT	●	-	-	-	REST ROOM	475	NA	50W	-	75.0 / 62.4	15.8 / 12.2	70	14.7	●	240-1	.43	.54	15	5K	36"	12"	10"	-	TRANE	NTXCKS18A112AA
SHP-3	WALL MOUNT	●	-	-	-	GREEN ROOM	475	NA	50W	-	75.0 / 62.4	15.8 / 12.2	70	14.7	●	240-1	.43	.54	15	10K	36"	12"	10"	-	TRANE	NTXCKS18A112AA

OUTDOOR HEAT PUMP CONDENSING UNIT - AIR COOLED

MARK	DESCRIPTION	NOMINAL TONS (SIZED TO MATCH COIL)	VARIABLE SPEED COMPRESSOR(S)	ELECTRICAL SERVICE: VOLTAGE - PHASE	ELECTRICAL SERVICE: FULL LOAD AMPS (FLA)	ELECTRICAL SERVICE: MIN CIRCUIT AMPS (MCA)	ELECTRICAL SERVICE: MAX OVER CURRENT PROTECTION (MOCP)	ELECTRICAL SERVICE: MINIMUM SCCR (AMPS)	BASIS OF DESIGN: MANUFACTURER	BASIS OF DESIGN: MODEL	REFRIGERANT CONN. SIZE: LIQUID LINE	REFRIGERANT CONN. SIZE: SUCTION LINE	HOT GAS BYPASS	SEE NOTE
HPCU-1	OUTDOOR UNIT	1.5	-	240-1		14	15	5K	TRANE	NTXSST18A112AA	1/4	1/2	-	
HPCU-2	OUTDOOR UNIT	1.5	-	240-1		14	24	5K	TRANE	NTXSKH18A112AA	1/4	1/2	-	
HPCU-3	OUTDOOR UNIT	1.5	-	240-1		14	24	10K	TRANE	NTXSKH18A112AA	1/4	1/2	-	

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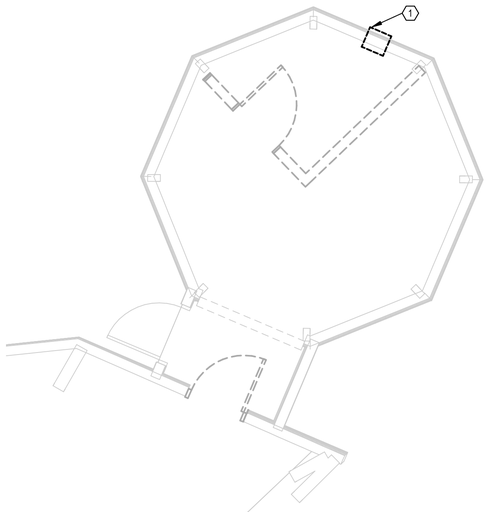

1 BANDSHELL - MECHANICAL DEMOLITION

SCALE: 1/4" = 1'-0"

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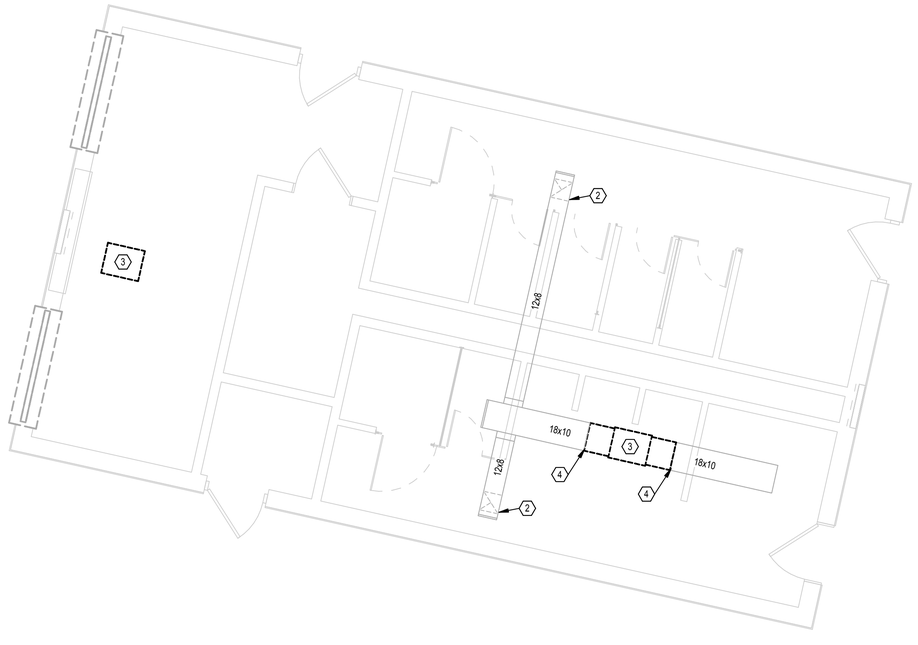

2 CONCESSION & REST ROOM - MECHANICAL DEMOLITION

SCALE: 1/4" = 1'-0"

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PLAN NOTES

1. DEMOLISH EXISTING EXHAUST FAN.
2. REMOVE, CLEAN, AND REINSTALL AIR DEVICE.
3. REMOVE EXISTING EXHAUST FAN AND REPLACE WITH NEW. SEE NEW WORK FOR DETAILS.
4. DEMOLISH DUCTWORK BACK TO THIS POINT.

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MECHANICAL - DEMOLITION

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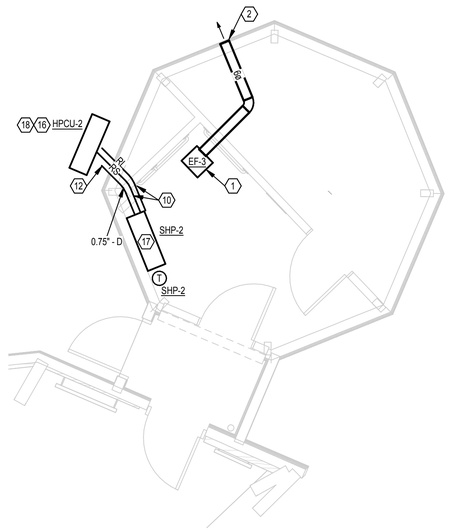

1 BANDSHELL NORTH - MECHANICAL NEW WORK

SCALE: 1/4" = 1'-0"

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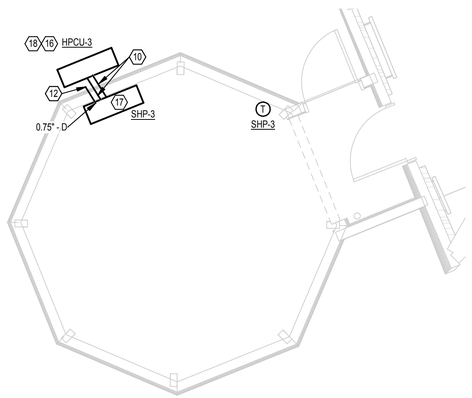

3 BANDSHELL SOUTH - MECHANICAL NEW WORK

SCALE: 1/4" = 1'-0"

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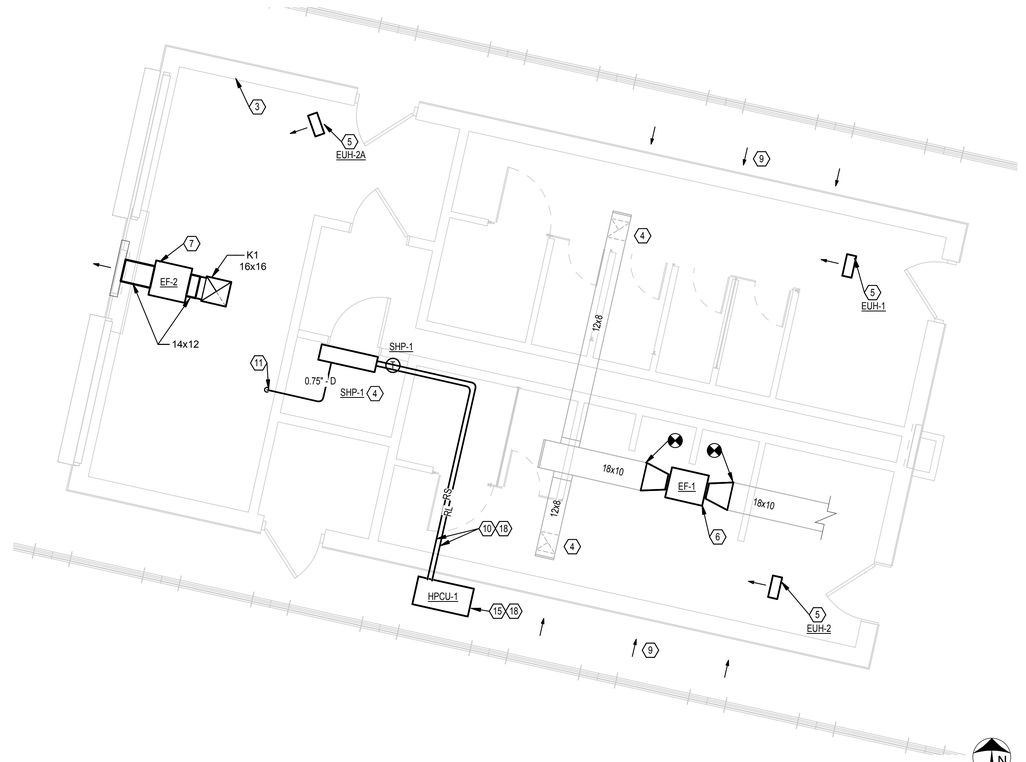
PLAN NOTES

1. INSTALL NEW EXHAUST FAN IN CEILING AND DIRECT DUCTWORK IN ATTIC SPACE OUT THRU SIDE WALL. COORDINATE WITH G.C. FOR ROOF/WALL PENETRATION.
2. CONNECT DUCTWORK TO WALL ACCESSORY. MFG: GREENHECK. MODEL WC-8x8. COORDINATE WITH ARCHITECT FOR COLOR AND PAINT.
3. LOCATE MANUAL CONTROL SWITCH ON WALL AND INTERLOCK WITH NEW EF-2. COORDINATE WITH E.C.
4. SUSPEND WALL UNIT FROM WALL STRUCTURE ABOVE DOORWAY.
5. INSTALL NEW SUSPENDED ELECTRIC UNIT HEATER. MOUNT AT 7'-0" AFF BOTTOM OF EQUIPMENT.
6. INSTALL NEW INLINE EXHAUST FAN IN ATTIC SPACE. CONNECT AND SEAL TO EXISTING DUCTWORK.
7. INSTALL NEW EXHAUST FAN IN ATTIC SPACE AND DIRECT DISCHARGE OUT EXISTING LOUVER.
8. BALANCE AIR DEVICE TO 375 CFM.
9. MAKEUP AIR THRU EXISTING WALL GRILLS.
10. EXTEND REFRIGERANT PIPING TO OUTDOOR UNIT. PIPING SIZES AND ROUTING PER MANUFACTURER'S RECOMMENDATIONS. WRAP WITH PROTECTIVE JACKETING WHEN EXPOSED TO THE OUTDOORS.
11. ROUTE CONDENSATE DRAIN TO NEAREST FLOOR DRAIN.
12. ROUTE CONDENSATE OUT WALL AND DRAIN TO GRADE. TERMINATE WITH AIR GAP.
13. OUTSIDE AIR DUCT UP TO ROOF.
14. PROVIDE GRAVITY BACKDRAFT DAMPER.
15. MOUNT CONDENSER SOUTH SIDE OF CONCESSION STAND IN CENTER OF LANDSCAPE PLANTING. MOUNT ON 4" CONCRETE PAD, COORDINATE WITH G.C. & ARCHITECT FOR FINAL PLACEMENT LOCATION AND TO MAINTAIN MANUFACTURER'S CLEARANCES OF LANDSCAPE OBSTRUCTIONS. PROVIDE SECURITY BARRIER FOR UNIT AND MAINTAIN MANUFACTURERS CLERANCES FOR AIR FLOW AND SERVICE ACCESS.
16. MOUNT CONDENSER ON 6" CONCRETE PAD. COORDINATE WITH G.C. PROVIDE SECURITY BARRIER FOR UNIT AND MAINTAIN MANUFACTURERS CLERANCES FOR AIR FLOW AND SERVICE. COORDINATE WITH ARCHITECT TO MAINTAIN MANUFACTURER'S CLEARANCE OF LANDSCAPE OBSTRUCTIONS.
17. MOUNT WALL UNIT TO WALL.
18. HEAT PUMP REFRIGERANT LINE SET, ASSOCIATED ELECTRICAL AND CONTROL WIRING, AND CONCRETE PAD TO BE DONE UNDER SITE CONTRACTOR.



2 CONCESSION & REST ROOM - MECHANICAL NEW WORK

SCALE: 1/4" = 1'-0"

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LANE G. OATMAN
70812
REGISTERED
PROFESSIONAL ENGINEER

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sheet name

MECHANICAL - NEW WORK

sheet number

M102

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VALVES AND FITTINGS

DOUBLE LINE	SINGLE LINE	
		CHECK VALVE
BALL VALVE BUTTERFLY VALVE GATE VALVE		SHUTOFF VALVE (REFER TO SPECIFICATIONS FOR REQUIRED TYPE BASED ON APPLICATIONS)
		COMBINATION SHUTOFF AND BALANCING VALVE (REFER TO SPECIFICATIONS FOR REQUIRED TYPE BASED ON APPLICATIONS)
		CONCENTRIC PIPE REDUCER
	FOT / FOB	ECCENTRIC PIPE REDUCER
	P	PRESSURE GAUGE
	T	TEMPERATURE GAUGE OR THERMOMETER
		UNION
		CLEANOUT
		STRAINER
		STRAINER WITH A BLOW DOWN VALVE AND HOSE CONNECTION
		DRAIN VALVE WITH HOSE END CONNECTION
		AUTOMATIC FLOW CONTROLLER WITH P/T PLUG IN AND OUT
		EXPANSION JOINT
		PRESSURE REGULATING VALVE
		SAFETY RELIEF VALVE. PIPE DISCHARGE AIR GAPPED TO FLOOR DRAIN UNLESS NOTED OTHERWISE.
	P/T	PRESSURE AND TEMPERATURE SAFETY RELIEF VALVE. PIPE DISCHARGE AIR GAPPED TO FLOOR DRAIN UNLESS NOTED OTHERWISE.
		PRESSURE AND TEMPERATURE TEST PLUG
	TP	TRAP PRIMER
	V	VACUUM GAUGE WITH STOP
	CO	CLEANOUT TO GRADE OR FINISHED FLOOR
		END CAP
		MIXING FAUCET
		PLUG
		HOSE BIB
		WALL HYDRANT
		PLUG VALVE
	VB	SHUTOFF VALVE AND BOX
		SHUTOFF VALVE ON RISER
	S	SOLENOID VALVE
	M	WATER METER

PLUMBING SHEET LIST

SHEET NUMBER	SHEET NAME
P001	PLUMBING LEGEND & INDEX
P002	PLUMBING SCHEDULES & DETAILS
P100	PLUMBING SITE PLAN SOUTH
P101	PLUMBING SITE PLAN NORTH
P102	PLUMBING DEMO - ENLARGED VIEWS
P103	PLUMBING NEW WORK - ENLARGED VIEWS SOUTH
P104	PLUMBING NEW WORK - ENLARGED VIEWS NORTH

GENERAL FLOOR PLAN NOTES

10" ELEV: 8' - 0" / 10" ELEV: 8' - 0"	APPROXIMATE DIMENSION ABOVE FINISHED FLOOR TO CENTERLINE OF PIPE, UNLESS NOTED OTHERWISE
TOE: 3' - 0" BOE: 0' - 6"	APPROXIMATE DIMENSION ABOVE FINISHED FLOOR TO TOP OR BOTTOM OF EQUIPMENT, UNLESS NOTED OTHERWISE
2	RISER OR STACK NUMBER
B / P2	DETAIL: B = DETAIL DESIGNATION P2 = SHEET WHERE DETAIL IS LOCATED
1 / P2	SECTION: 1 = SECTION DESIGNATION P2 = SHEET WHERE DETAIL IS LOCATED
OH / 1	FIRE SUPPRESSION HAZARD CLASSIFICATION AND HAZARD CLASSIFICATION GROUP
P1 OR P1	EQUIPMENT REFERENCE. LETTER DESIGNATION VARIES. REFER TO SCHEDULES.
A1	EQUIPMENT, DEVICE, OR PLUMBING FIXTURE MARK. LETTER DESIGNATIONS REFER TO SCHEDULES.
	CONNECT TO EXISTING
3	PLAN NOTE. APPLIES ONLY TO THE SHEET WHICH IT IS SHOWN UNLESS NOTED OTHERWISE.
3	DETAIL NOTE. APPLIES ONLY TO THE ASSOCIATED DETAIL.
A1	"UP TO" SYMBOL (ITEM ON FLOOR ABOVE)

PIPING SYMBOLS

DOUBLE LINE	SINGLE LINE	
		BOTTOM CONNECTION (90°)
		BRANCH TEE CONNECTION (NOTE: BULLHEAD TEE'S ARE NOT PERMITTED)
		DIRECTION OF PITCH
		ELBOW DOWN
		ELBOW UP
		EXISTING PIPE TO BE REMOVED
		EXISTING PIPE TO REMAIN
		FLOW DIRECTION DESIGNATION
		PIPE RISER
		TOP CONNECTION (90°)

PLUMBING PIPING DESIGNATIONS

	DOMESTIC COLD WATER
	DOMESTIC HOT WATER
	DOMESTIC HOT WATER RETURN
	EXISTING PIPE TO REMAIN
	EXISTING PIPE TO BE REMOVED
—C—	NATURAL GAS PIPE
—GS—	GAS SERVICE
—NPW—	NON-POTABLE
—OD—	(OVERFLOW) SECONDARY STORM DRAINAGE PIPE
—PD—	PUMP DISCHARGE PIPE
—SAN—	SANITARY DRAINAGE PIPE
—STM—	STORM DRAINAGE PIPE
—TP—	TRAP PRIMER DISCHARGE PIPE
—TW—	TEMPERED WATER PIPE
—V—	SANITARY SEWER VENT
—WS—	WATER SERVICE

ABBREVIATIONS

AAP	- AREA ALARM PANEL (MEDICAL GAS)
AC	- AIR COMPRESSOR OR AIR CONDITIONER
ACC	- ACCESS
ACCU	- AIR COOLED CONDENSING UNIT
AD	- ACCESS DOOR OR AREA DRAIN
ADB	- ACID DILUTION BASIN
ADJ	- ADJUSTABLE
AFF	- ABOVE FINISHED FLOOR
AFG	- ABOVE FINISHED GRADE
ALT	- ALTERNATE
AP	- ACCESS PANEL
APPROX	- APPROXIMATE
AR	- AIR RECEIVER OR ARGON
ARCH	- ARCHITECT OR ARCHITECTURAL
ASSY	- ASSEMBLY
AV	- ACID VENT
AW	- ACID WASTE
BDD	- BACK DRAFT DAMPER
BFP	- BACKFLOW PREVENTER
BLDG	- BUILDING
BOB	- BOTTOM OF BEAM
BOD	- BOTTOM OF DUCT
BOE	- BOTTOM OF EQUIPMENT
BOF	- BOTTOM OF FOOTING
BOG	- BOTTOM OF GRILLE
BOP	- BOTTOM OF PIPE
BOT	- BOTTOM
BT	- BATHTUB
BTU	- BRITISH THERMAL UNIT
BTUH	- BRITISH THERMAL UNIT PER HOUR
BTWN	- BETWEEN
CA	- COMPRESSED AIR
CB	- CATCH BASIN
CBD	- COUNTER BALANCED BACKDRAFT DAMPER
CFCI	- CONTRACTOR FURNISHED CONTRACTOR INSTALLED
CFM	- CUBIC FEET PER MINUTE
CHS	- CHILLED WATER SUPPLY
CHR	- CHILLED WATER RETURN
CI	- CAST IRON
CK	- CLINICAL SINK
CLG	- CEILING
CMU	- CONCRETE MASONRY UNIT
CO	- CLEAN OUT
CO2	- MEDICAL CARBON DIOXIDE
CONN	- CONNECT OR CONNECTION
CONTR	- CONTRACTOR
CORR	- CORRIDOR
CS	- CLINICAL SINK OR COLD SOFT WATER
CTR	- CENTER
CU	- COPPER
CWS	- COMBINATION WATER SERVICE OR CONDENSER WATER SUPPLY
CWR	- CONDENSER WATER RETURN
D	- DEPTH OR DRAIN LINE
DCW	- DOMESTIC COLD WATER
DD	- DECK DRAIN
DET	- DETAIL
DF	- DRINKING FOUNTAIN OR WATER COOLER OR DIESEL FUEL
DFU	- DRAINAGE FIXTURE UNIT
DHW	- DOMESTIC HOT WATER
DHWR	- DOMESTIC HOT WATER RETURN
DI	- DEIONIZED WATER
DIA	- DIAMETER
DIM	- DIMENSION
DN	- DOWN
DS	- DOWN SPOUT OR SPRINKLER (DRY)
DT	- PERFORATED DRAIN TILE
DWG	- DRAWING
EA	- EACH
EC	- ELECTRICAL CONTRACTOR (DIVISION 26)
EEW	- EMERGENCY EYE WASH
EJ	- EXPANSION JOINT
ELEC	- ELECTRICAL
ELEV	- ELEVATOR
EQ	- EQUAL
EQUIP	- EQUIPMENT
ET	- EXPANSION TANK
ETR	- EXISTING TO REMAIN
ES	- EMERGENCY SHOWER
EQS	- EQUIPMENT SUPPLIER
EWC	- ELECTRICAL WATER COOLER
EXH	- EXHAUST AIR
EXP	- EXPANSION
EXT	- EXTERIOR
EX	- EXISTING
F	- FIRE SUPPRESSION (STANDPIPE/SPRINKLER MAIN)
FCE	- FIRE CONTROL EQUIPMENT
FCO	- FLOOR CLEANOUT
FD	- FLOOR DRAIN
FDC	- FIRE DEPARTMENT CONNECTION
FDV	- FIRE DEPARTMENT VALVE
FF	- FINISHED FLOOR ELEVATION
FHC	- FIRE HOSE CABINET
FLR	- FLOOR
FM	- FORCE MAIN
FOB	- FLAT ON BOTTOM
FOF	- FUEL OIL FLOW
FOG	- FUEL OIL GAUGE
FOR	- FUEL OIL RETURN
FOS	- FUEL OIL SUPPLY
FOT	- FLAT ON TOP
FPM	- FEET PER MINUTE
FR	- FIRE RISER
FS	- FLOOR SINK OR FIRE SERVICE
FSC	- FIRE SUPPRESSION CONTRACTOR (DIVISION 21)
FT	- FEET
FTG	- FOOTING
G	- GAS OR NATURAL GAS
GA	- GAUGE
GAL	- GALLON
GALV	- GALVANIZED
GC	- GENERAL TRADES CONTRACTOR
GD	- GARAGE DRAINAGE
GPM	- GALLONS PER MINUTE
GS	- GAS SERVICE
GW	- GREASE WASTE
H2	- HYDROGEN
HB	- HOSE BIBB
HC	- HVAC CONTRACTOR (DIVISION 23)
HD	- HUB DRAIN
HE	- HELIUM
HG	- REFRIGERANT HOT GAS
HP	- HORSEPOWER OR HIGH POINT
HPC	- HIGH PRESSURE CONDENSATE RETURN
HPS	- HIGH PRESSURE STEAM SUPPLY
HPW	- HIGH PURITY WATER
HPWR	- HIGH PURITY WATER RETURN
HR	- HOSE REEL
HT	- HEAT TRACE
HTR	- HEATER
HVAC	- HEATING, VENTILATING, AND AIR CONDITIONING
HW	- HOT WATER
IA	- MEDICAL INSTRUMENT AIR
ID	- INSIDE DIAMETER
INV	- INVERT ELEVATION
IN	- INCHES
IV	- INDIRECT VENT
IW	- INDIRECT WASTE
JS	- JANITOR SINK
K	- KITCHEN WASTE
KEC	- KITCHEN EQUIPMENT CONTRACTOR
L	- LENGTH
LA	- LABORATORY COMPRESSED AIR
LAV	- LAVATORY
LBS	- POUNDS
LCW	- LABORATORY COLD WATER
LEC	- LABORATORY EQUIPMENT CONTRACTOR
LHW	- LABORATORY HOT WATER
LHWR	- LABORATORY HOT WATER RETURN
LPC	- LOW PRESSURE CONDENSATE RETURN
LPS	- LOW PRESSURE STEAM SUPPLY
LV	- LABORATORY VACUUM OR LABORATORY VENT
LW	- LABORATORY WASTE
MA	- MEDICAL COMPRESSED AIR
MAP	- MASTER ALARM PANEL (MEDICAL GAS)
MAX	- MAXIMUM
MB	- MOP BASIN
MC	- MECHANICAL CONTRACTOR (DIVISION 23)
MEZZ	- MEZZANINE
MFR	- MANUFACTURER
MH	- MANHOLE
MIN	- MINIMUM OR MINUTE
MISC	- MISCELLANEOUS
MTD	- MOUNTED
MTG	- MOUNTING
MPC	- MEDIUM PRESSURE CONDENSATE RETURN
MPS	- MEDIUM PRESSURE STEAM SUPPLY
MU	- WATER MAKE-UP
MV	- MEDICAL SURGICAL VACUUM
N2	- MEDICAL NITROGEN
N/C	- NORMALLY CLOSED
NG	- GASOLINE (NON-LEAD)
NIC	- NOT IN CONTRACT
N/O	- NORMALLY OPEN
NO	- MEDICAL NITROUS OXIDE
NOM	- NOMINAL
NPW	- NON-POTABLE WATER
NPT	- NATIONAL PIPE THREAD
NTS	- NOT TO SCALE
02	- MEDICAL OXYGEN
OA	- OUTDOOR AIR
OD	- OUTSIDE DIAMETER OR OVERFLOW DRAIN
OFCI	- OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	- OWNER FURNISHED OWNER INSTALLED
P	- PROPANE GAS
PC	- PLUMBING CONTRACTOR (DIVISION 22) OR PUMPED CONDENSATE RETURN
PD	- PUMP DISCHARGE OR PARAPET DRAIN
PIV	- POST INDICATOR VALVE
PLBG	- PLUMBING
PS	- PRE-ACTION/DELUGE SPRINKLER
PRESS	- PRESSURE
PRV	- PRESSURE REGULATING VALVE
PSF	- POUNDS PER SQUARE FOOT
PSI	- POUNDS PER SQUARE INCH
PSV	- PRESSURE SUSTAINING VALVE
PSIG	- POUNDS PER SQUARE INCH GAUGE
PW	- PURE WATER
RA	- RETURN AIR
RAD	- RADIUS
RCP	- REINFORCED CONCRETE PIPE
RD	- ROOF DRAIN
REC	- RECESSED
REQD	- REQUIRED
RI	- ROUGH IN
RL	- REFRIGERANT LIQUID
ROS	- REVERSE OSMOSIS WATER SUPPLY
ROR	- REVERSE OSMOSIS WATER RETURN
RPM	- REVOLUTIONS PER MINUTE
RS	- REFRIGERANT SUCTION
RV	- RELIEF VALVE
S	- SPRINKLER (WET)
SA	- SHOCK ARRESTOR OR SUPPLY AIR
SAN	- SANITARY OR SANITARY DRAIN
SCH	- SCHEDULE
SCW	- SOFT COLD WATER
SD	- SPRINKLER DRAIN OR SUBSOIL DRAIN
SH	- SHOWER
SHT	- SHEET
SK	- SINK
SPEC	- SPECIFICATIONS
SQ	- SQUARE
SR	- SUPPLY RISER
SS	- SANITARY STACK (SOIL OR WASTE) OR STAINLESS STEEL
STD	- STANDARD
STM	- STORM OR STORM DRAINAGE
STRUC	- STRUCTURAL OR STRUCTURE
SUC	- SITE UTILITY CONTRACTOR
SWV	- SOIL WASTE & VENT
T	- FUEL TANK VENT
TD	- TRENCH DRAIN
TEMP	- TEMPERATURE
TOB	- TOP OF BEAM
TOD	- TOP OF DUCT
TOE	- TOP OF EQUIPMENT
TOF	- TOP OF FOOTING
TOJ	- TOP OF JOIST
TOP	- TOP OF PIPE
TOS	- TOP OF SLAB OR TOP OF STEEL
TF	- TRAP FILLER
TP	- TRAP PRIMER OR TRAP PRIMER DISCHARGE
TW	- TEMPERED WATER
TYP	- TYPICAL
UR	- URINAL
UNO	- UNLESS NOTED OTHERWISE
V	- VENT OR SANITARY SEWER VENT
VAC	- VACUUM
VC	- VACUUM CLEANING
VCV	- VACUUM CLEANING VALVE
VE	- VACUUM EXHAUST
VEL	- VELOCITY
VIB	- VALVE IN BOX
VOL	- VOLUME
VP	- VACUUM PUMP
VS	- VENT STACK
VTR	- VENT THROUGH ROOF
VR	- VENT RISER
W/	- WITH
W/O	- WITHOUT
W	- WASTE
WAGD	- WASTE ANESTHESIA GAS DISPOSAL
WC	- WATER CLOSET
WCO	- WALL CLEANOUT
WH	- WALL HYDRANT OR WATER HEATER
WIV	- WALL INDICATOR VALVE
WS	- WATER SERVICE
YCO	- YARD CLEANOUT
ZVC	- ZONE VALVE CABINET

ALL DIVISION 22 SCOPE IS TO BE BID AS BY PLUMBING CONTRACTOR UNLESS NOTED OTHERWISE ON DRAWINGS

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PLUMBING LEGEND & INDEX

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P001

PLUMBING FIXTURES

CATALOG NUMBERS INDICATED ARE THOSE OF THE FIRST NAMED MANUFACTURER IN EACH CATEGORY LISTED BELOW - ADDITIONAL MANUFACTURERS ARE LISTED IN PARENTHESIS

A. KOHLER (AMERICAN STD., TOTO, ZURN)
B. SLOAN (DELANY, ZURN)
C. BEMIS (BENEKE, KOHLER, AMERICAN STD.)
D. AMERICAN STANDARD
E. CHICAGO (TOTO, T&S BRASS, ZURN)
F. GUY GRAY (OATEY, PLASTIC ODDITIES)
G. McGUIRE (EBC, DEARBORN BRASS, ZURN)
H. FIAT (STERN WILLIAMS, CREATIVE IND., MUSTEE, ZURN)
J. ELKAY (JUST WITH LUG AND SCREW)
K. HALSEY TAYLOR (ACORN, ELKAY, HAWS, OASIS)
L. JR SMITH
M. WOODFORD
N. IN-SINK ERATOR (OR APPROVED EQUAL)
O. GUARDIAN (BRADLEY, SPEAKMAN, HAWS)
P. SPEAKMAN (CHICAGO)
Q. TRUEBRO (ZURN, PLUMBEREX)

SCHEDULE ABBREVIATIONS:

ADA	HANDICAP ACCESSIBLE	QD	QUICK DISCONNECT
BO	BACK OUTLET	SB	SINGLE BOWL
BPW	BED PAN WASHER	SST	STAINLESS STEEL
DB	DOUBLE BOWL	UCM	UNDER COUNTER MOUNT
FS	FLOOR SET	VB	VACUUM BREAKER
FT	FLUSH TANK	VR	VANDAL RESISTANT
FV	FLUSH VALVE	WB	WRIST BLADE
GN	GOOSENECK	WH	WALL HUNG
HS	HAND SHOWER	RHF	RIGHT HAND FLUSH

GENERAL NOTE:
1. SUPPLY PIPE SIZES IN THIS SCHEDULE ARE FIXTURE OR SUPPLY STOP CONNECTION SIZES. DOMESTIC COLD AND HOT WATER SUPPLY PIPE SIZES SERVING FIXTURES SHALL BE, AT A MINIMUM, THE SIZES LISTED UNLESS NOTED OTHERWISE OR LABELED ON THE FLOOR PLANS.

NOTES:
1. FIXTURE AND INSTALLATION SHALL COMPLY WITH ALL ACCESSIBILITY REQUIREMENTS OF ICC ANSI 117.1 - 2009.
2. PROVIDE RIGHT HAND TRIP LEVER.

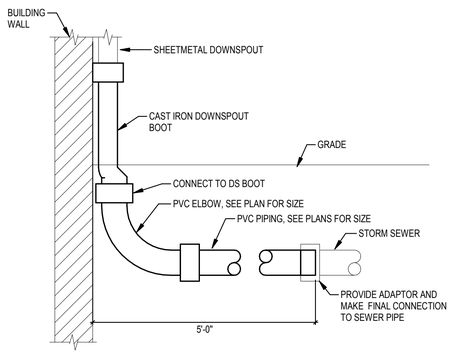
			FLOW		CONTROL				SUPPLY				WASTE & VENT								FIXTURE		SUPPLY TRIM		SUPPLY / STOP		WASTE TRIM		TRAP / FIX. DR.		MISC.		
							SENSOR																										
MARK	DESCRIPTION	MOUNTING HEIGHT	GPM	GPF	MANUAL	METERING	ELECTRIC	BATTERY	COLD WATER	HOT WATER	TEMPERED	NAT. GAS	FIX. OUTLET	TRAP	FIX. DRAIN	WASTE-MIN.	VENT-MIN.	INDIRECT	AIR GAP	AIR BREAK	MFR.	CAT. NO.	MFR.	CAT. NO.	MFR.	CAT. NO.	MFR.	CAT. NO.	MFR.	CAT. NO.	MFR.	CAT. NO.	SEE NOTE
A1	WATER CLOSET / FS / FT / ADA / RHF	17" RIM		1.6	•				0.5"				3"	INT	3"	1.5"					A	K-3979-RA	-	-	G	LFBV2165	-	-	-	INT	C	1655SSCT	1,2
B1	LAVATORY / WH / WB / ADA	34" RIM	0.5		•				0.5"	0.5"			1.25"	1.25"	1.5"	1.5"	1.5"				A	K-2005	D	7500.170	G	LFBV2165	G	155A		8912CBECO	Q	102EZ	1
WH	WALL HYDRANT	18"			•				0.75"												L	5509QT	-	-		BALL VALVE	-	-	-	-	-	-	-
YH	SANITARY YARD HYDRANT	3' BURY			•				1"												M	S-3	-	-		BALL VALVE	-	-	-	-	-	-	-

DRAINS

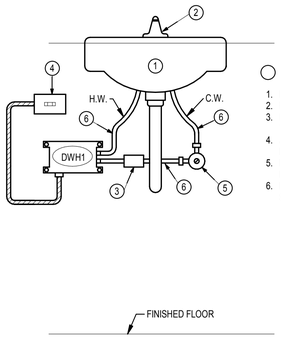
GENERAL NOTES:
1. ALL DRAINS ARE MANUFACTURED BY J.R. SMITH UNLESS NOTED OTHERWISE.

NOTES:
1. PROVIDE ASSE 1072 RATED INSERT TYPE TRAP SEAL DEVICE.

		TYPE			BODY					OUTLET			STRAINER / GRATE								TOP FINISH						ADDITIONAL FEATURES									
													SIZE																					
MARK	CATALOG NOS.	FLOOR	ROOF	AREAWAY	CAST IRON	BRASS	ACID RESIST.	STAINLESS STEEL	PLASTIC	SIZE	BOTTOM	SIDE	DIAMETER / WIDTH	LENGTH	ADJUSTABLE	FLAT	DOME	RECESSED	FUNNEL	HINGED	STAINLESS STEEL	NICKLE-BRONZE	CAST IRON	ACID RESIST.	STAINLESS STEEL	PLASTIC	DUCTILE IRON	ANCHOR FLANGE	FLASHING CLAMP	DBL. DRAINAGE	SED. BUCKET	AUX. STRAINER	BEARING PAN	U/DECK CLAMP	2" STANDPIPE	TRAP PRIMER CON.	WATER DAM	SEE NOTE
FD1	3003	•						•		3"	•		12"	12"		•									•						•					
FD2	2005	•			•					3"	•		5"		•	•						•								•						1



1 DOWNSPOUT BOOT



NOTES

1. LAVATORY/SINK PER SCHEDULE.
2. FAUCET PER FIXTURE SCHEDULE.
3. IN LINE FLOW CONTROL - MATCH TO HEATER.
4. JUNCTION BOX AND DISCONNECT PROVIDED
5. DUAL OUTLET STOP WITH SUPPLY RISER.
6. POLISHED CHROME PLATED SUPPLY PIPING.

2 POINT-OF-USE WATER HEATER

EQUIPMENT DATA

GI-1 HYDROMECHANICAL GREASE INTERCEPTOR
SIZED FOR 50 LBS GREASE CAPACITY AT 25 GPM FLOW THROUGH
INSTALL IN GRADE. TOP FLUSH WITH EXISTING FLOOR.
BASIS OF DESIGN: WATTS WD-25

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PLUMBING SCHEDULES & DETAILS

sheet number
P002

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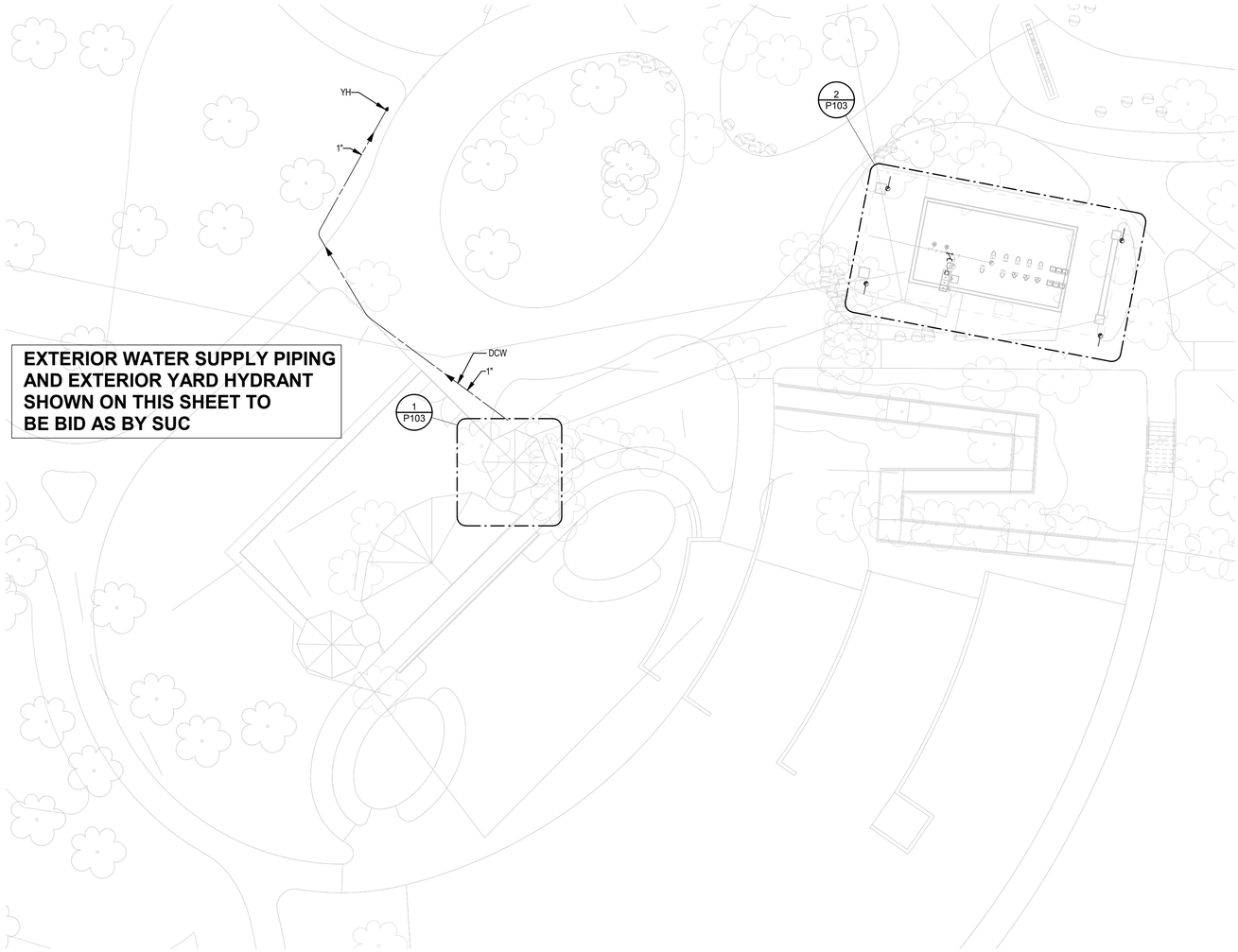

EXTERIOR WATER SUPPLY PIPING AND EXTERIOR YARD HYDRANT SHOWN ON THIS SHEET TO BE BID AS BY SUC

1 PLUMBING SITE PLAN SOUTH

SCALE: 1" = 20'-0"

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STATE OF OHIO
LANE G. OATMAN
70812
REGISTERED PROFESSIONAL ENGINEER
7-14-2023

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project number
cc21008.01

sheet name

PLUMBING SITE PLAN SOUTH

sheet number

P100

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1 **PLUMBING SITE PLAN NORTH**
SCALE: 1" = 20'-0"

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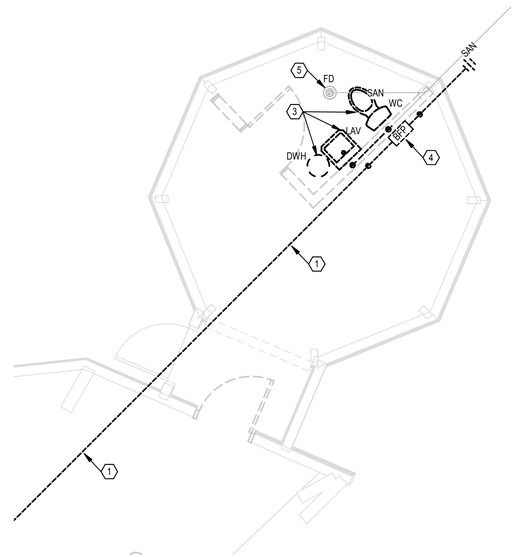
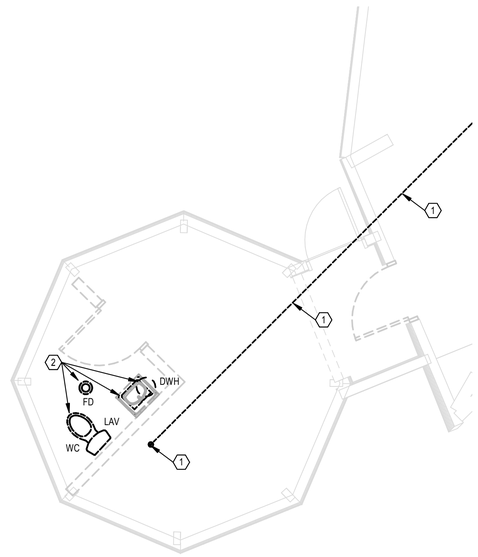
P101

NOTES

1. ABANDON IN PLACE UNDERGROUND DCW PIPING SERVING EXISTING SOUTH AMPHITHEATER TOILET ROOM AND CAP AT SLAB LEVEL.
2. REMOVE FLOOR DRAIN, FIXTURES, AND WATER HEATER. CAP SANITARY DRAINS BELOW SLAB LEVEL AND REMOVE ALL VENT PIPING, SANITARY PIPING ABOVE GRADE, AND WATER PIPING ABOVE GRADE. REMOVE VENT PIPING SERVING RESTROOM AND COORDINATE REMOVAL OF EXISTING VTR FROM ROOF AND PATCHING OF ROOF WITH GC. PATCH FLOOR TO MATCH EXISTING.
3. REMOVE FIXTURE AND WATER HEATER. CAP VENT PIPING AT EXISTING VTR. REMOVE ALL WATER PIPING BACK TO SERVICE ENTRANCE. REMOVE SANITARY PIPING BACK TO EXISTING FLOOR DRAIN CONNECTION .
4. REMOVE EXISTING BACKFLOW PREVENTER AND ALL ASSOCIATED VALVES AND ACCESSORIES.
5. EXISTING FLOOR DRAIN TO REMAIN.



1 PLUMBING DEMO - NORTH AMPHITHEATER TOILET ROOM
SCALE: 1/4" = 1'-0"



2 PLUMBING DEMO - SOUTH AMPHITHEATER TOILET ROOM
SCALE: 1/4" = 1'-0"

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PLUMBING DEMO - ENLARGED VIEWS

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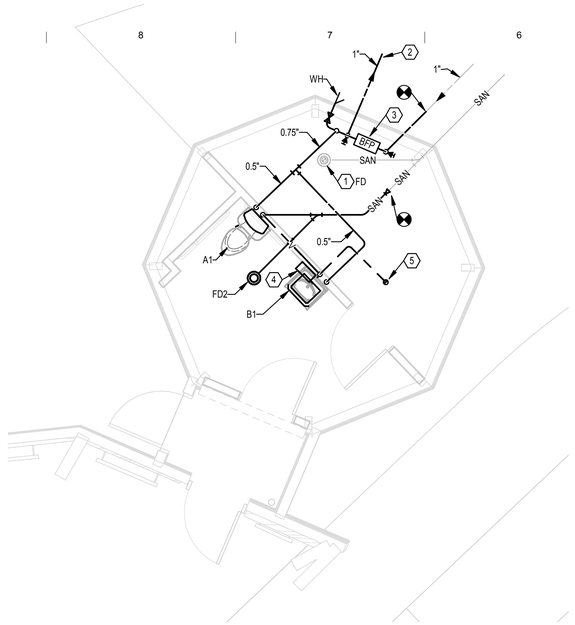
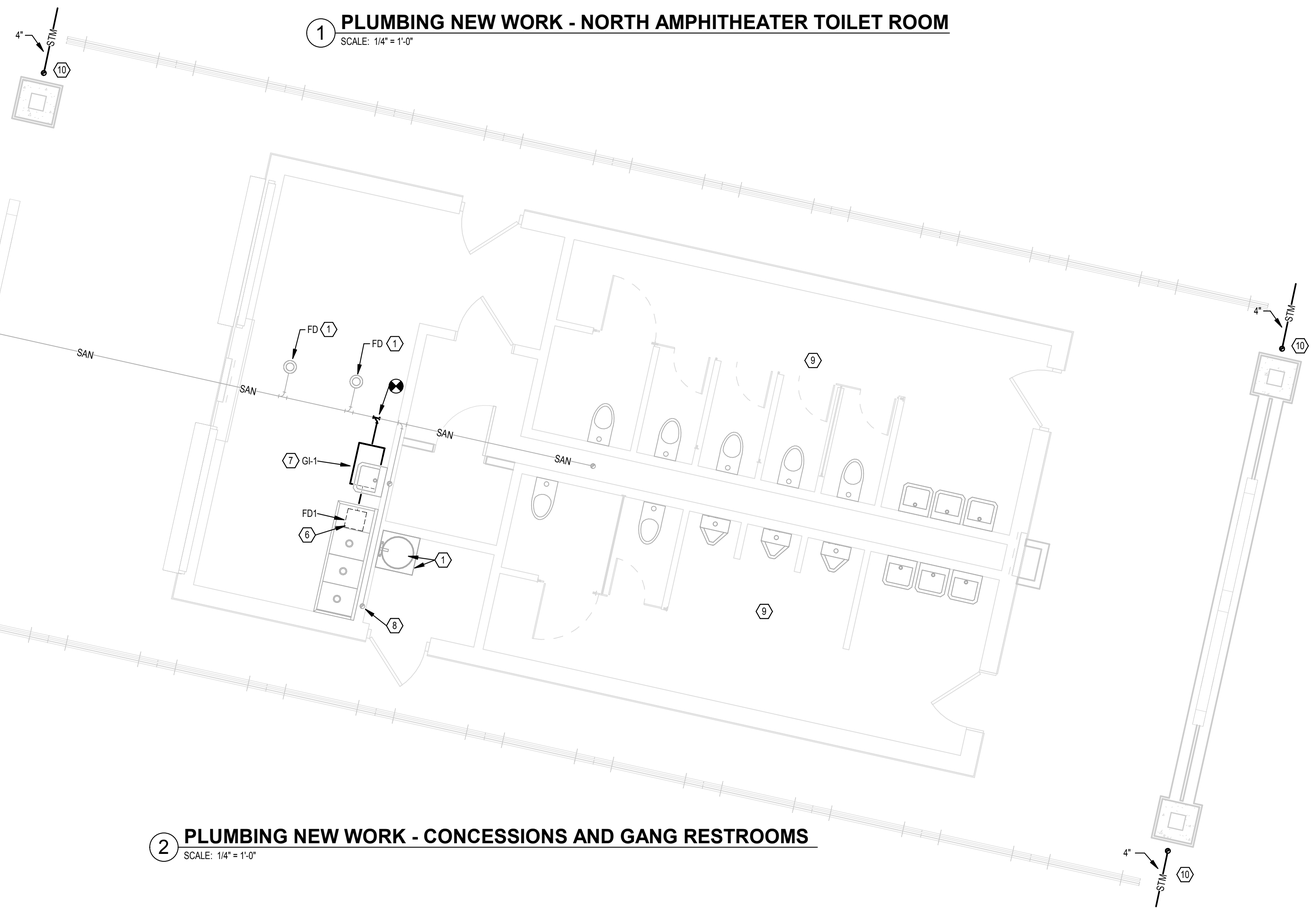


1 PLUMBING NEW WORK - NORTH AMPHITHEATER TOILET ROOM

SCALE: 1/4" = 1'-0"

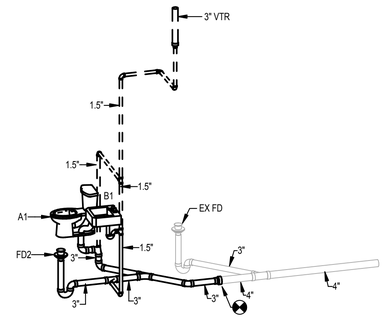


2 PLUMBING NEW WORK - CONCESSIONS AND GANG RESTROOMS

SCALE: 1/4" = 1'-0"

NOTES

1. EXISTING TO REMAIN.
2. EXTEND UNDERGROUND 1" DOMESTIC WATER PIPING TO REMOTE SANITARY YARD HYDRANT. CONTINUATION ON PLUMBING SITE PLAN.
3. PROVIDE 0.75" RPZ BACKFLOW PREVENTER. BASIS OF DESIGN: WATTS LF-009-QTS. PROVIDE BACKFLOW PREVENTER DRAIN THROUGH EXTERIOR WALL AND DISCHARGE TO GRADE. PROVIDE UNIONS UPSTREAM AND DOWNSTREAM OF BFP TO FACILITATE WINTERIZATION PER 2017 OPC 608.14.2. LOCATE DRAIN VALVE ON DOWNSTREAM SIDE OF BFP TO ALLOW FOR SYSTEM DRAINAGE.
4. PROVIDE INSTANTANEOUS ELECTRIC POINT OF USE WATER HEATER ("DWH1") BELOW LAVATORY SINK AND INSTALL PER DETAIL. UNIT SHALL HAVE INTEGRAL ASSE 1070 MIXING VALVE AND BE CAPABLE OF DELIVERING 0.5 GPM AT 60 DEGREE TEMPERATURE RISE. BASIS OF DESIGN: EEMAX ACCUMIX II AM004120T.
5. PROVIDE NEW VTR FOR TOILET ROOM AND SUPPORT VENT PIPING AT VTR.
6. PROVIDE INDIRECT CONNECTION FROM 3-COMPARTMENT SINK TO NEW FD2 FLOOR SINK.
7. PROVIDE NEW GREASE INTERCEPTOR ("GI-1") RECESSED INTO SLAB ON GRADE. TOP OF INTERCEPTOR SHALL BE FLUSH WITH SURROUNDING SURFACE. INSTALL FLOW RESTRICTOR PROVIDED WITH INTERCEPTOR INLINE ON 3-COMPARTMENT DRAIN TO CONTROL RATE OF FLOW TO FLOOR SINK.
8. EXISTING 2" DRAIN STUB THROUGH WALL TO REMAIN. INSTALL CLEANOUT ON STUB.
9. ALL EXISTING GANG RESTROOM FIXTURES ARE EXISTING TO REMAIN.
10. PROVIDE NEW STORM DOWNSPOUT BOOTS PER DETAIL. COORDINATE COLOR WITH ARCHITECT. CONNECT TO 4" STORM SITE PIPING BY SUC.



3 AMPHITHEATER SWV DIAGRAM

SCALE: NONE

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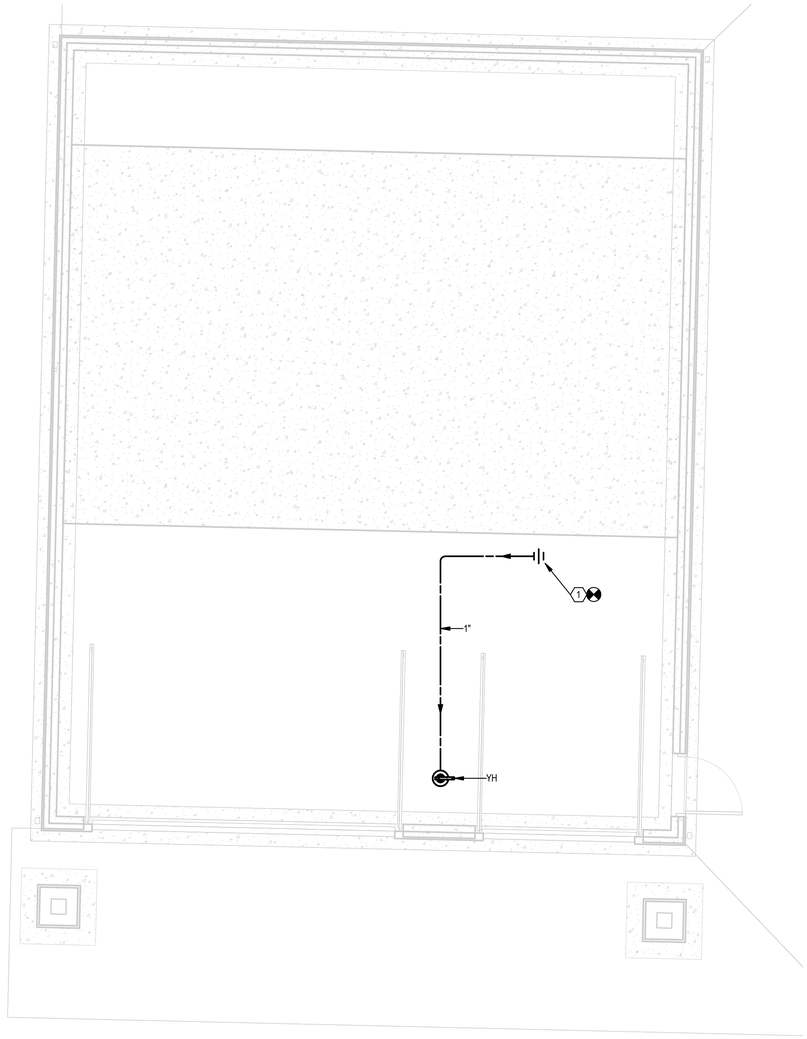
P103



1 PLUMBING NEW WORK - UTILITY BUILDING

SCALE: 1/4" = 1'-0"

NOTES

1 CONNECT TO DCW PIPING PROVIDED BY SUC LOCATED UNDERGROUND AND EXTEND TO NEW YARD HYDRANT. COORDINATE LOCATION OF YARD HYDRANT WITH BOLLARD PROTECTION PROVIDED BY OTHERS.

GENERAL NOTE

ALL DIVISION 22 SCOPE SHOWN ON THIS SHEET IS TO BE BID AS PART OF BID ALTERNATE G4 ; MAINTENANCE / STORAGE FACILITY AND SITE WORK.

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PLUMBING NEW WORK - ENLARGED VIEWS NORTH

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GENERAL STRUCTURAL NOTES

GENERAL

1. MEANS, METHODS, PROCEDURES, AND SEQUENCES OF CONSTRUCTION ARE THE RESPONSIBILITY OF THE CONTRACTOR.
2. IMPLEMENTATION OF JOB SITE SAFETY INCLUDING ALL OSHA REGULATIONS IS THE RESPONSIBILITY OF THE CONTRACTOR.
3. TEMPORARY BRACING, SHEETING, SHORING, ETC. REQUIRED TO ENSURE THE STRUCTURAL INTEGRITY OF THE NEW AND ANY EXISTING STRUCTURES, SIDEWALKS,UTILITIES, ETC. DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE CONTRACTOR.
4. CONTRACTOR'S CONSTRUCTION AND ERECTION SEQUENCES SHALL CONSIDER THE EFFECTS OF THERMAL EXPANSION AND CONTRACTION ON THE STRUCTURE DURING CONSTRUCTION.
5. HOLES AND NOTCHES SHALL NOT BE CUT OR DRILLED INTO ANY STRUCTURAL MEMBER IN THE FIELD WITHOUT THE APPROVAL OF THE ENGINEER.
6. STRUCTURAL DRAWINGS ARE NOT STAND ALONE DOCUMENTS. CONTRACTOR SHALL COORDINATE STRUCTURAL, ARCHITECTURAL, CIVIL, MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND OTHER DISCIPLINES AND INCORPORATE ALL REQUIREMENTS INTO SHOP DRAWINGS AND FIELD WORK.
7. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THE STRUCTURAL DRAWINGS AND THE DRAWINGS OR REQUIREMENTS OF ANY OTHER DISCIPLINE.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THE GENERAL STRUCTURAL NOTES, SPECIFICATIONS, AND DRAWINGS. THE ENGINEER WILL DETERMINE WHICH REQUIREMENT WILL GOVERN.
9. CONTRACTOR IS RESPONSIBLE FOR COORDINATING DIMENSIONS AND INSTALLATION DETAILS OF PURCHASED EQUIPMENT WITH THE SUPPORTING STRUCTURE. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN THESE ITEMS AND THE STRUCTURE.
10. DETAILS DESIGNATED AS "TYPICAL DETAILS" APPLY GENERALLY TO THE DRAWINGS IN AREAS WHERE CONDITIONS ARE SIMILAR TO THOSE SHOWN IN THE DETAILS. CONTACT ENGINEER FOR INTERPRETATION OF THE APPLICABILITY OF TYPICAL DETAILS.
11. SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE ENGINEER.
12. SHOP DRAWINGS AND MATERIAL SUBMITTALS SHALL BE PROVIDED TO AND REVIEWED BY THE ENGINEER PRIOR TO THE START OF FABRICATION OR THE COMMENCEMENT OF WORK.
13. CHANGES OR ADDITIONS MADE TO RESUBMITTED SHOP DRAWINGS SHALL BE CLEARLY INDICATED ON THE DRAWINGS. REVIEW OF RESUBMITTED SHOP DRAWINGS SHALL BE LIMITED TO THE ITEMS NOTED FOR CORRECTION ON THE PRIOR SUBMITTAL.
14. EXISTING BUILDING INFORMATION SHOWN IS BASED UPON EXISTING BUILDING DRAWINGS AND/OR FIELD OBSERVATIONS. THIS INFORMATION MAY NOT CONFORM EXACTLY TO THE CONDITIONS IN THE FIELD. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING BUILDING INFORMATION SHOWN AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES PRIOR TO THE FABRICATION OR INSTALLATION OF ANY STRUCTURAL COMPONENT.

ELEVATION DATUM

SEE ARCHITECTURAL OR CIVIL DRAWINGS FOR FINISH FLOOR ELEVATION ABOVE SEA LEVEL.
REFERENCE FINISH FLOOR ELEVATION OF 100'-0" IS USED ON THE STRUCTURAL DRAWINGS.

DESIGN SPECIFICATIONS

2017 OHIO BUILDING CODE

EARTHWORK

ON SITE TESTING AGENCY SHALL VERIFY THAT SOIL ON WHICH FOUNDATIONS BEAR MEET THE SOIL BEARING CAPACITY LISTED IN THE DESIGN DATA. EARTHWORK OPERATIONS SHALL BE PERFORMED UNDER THE DIRECTION OF A PROFESSIONAL GEOTECHNICAL ENGINEER IN ORDER TO ASSURE COMPLIANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT PREPARED BY BOWSER-MORNER DATED FEBRUARY 17, 2022. GEOTECHNICAL ENGINEER SHALL ALSO VERIFY THAT ISSUES HIGHLIGHTED IN GEOTECHNICAL REPORT PREPARED BY CBC ENGINEERS & ASSOCIATES DATED DECEMBER 15, 2010 ARE NOT REPEATED IN ORDER TO PREVENT FUTURE DIFFERENTIAL SETTLEMENT.

FOOTINGS

1. ALL FOOTINGS SHALL BEAR ON UNDISTURBED SOIL OR ENGINEERED FILL.
2. HORIZONTAL REINFORCING IN FOOTINGS SHALL BE CONTINUOUS AT CORNERS AND INTERSECTIONS. CORNER BARS SHALL BE PROVIDED TO MATCH HORIZONTAL STEEL. REINFORCING STEEL SHALL BE LAPPED AS FOLLOWS WHERE SPLICES ARE REQUIRED:

BAR SIZE	LAP DIMENSION
#4	2'-0"
#5	2'-6"
#6	3'-0"

3. CONCRETE SHALL NOT BE PLACED WHERE WATER OR FROST EXISTS IN THE BOTTOM OF THE FOUNDATION EXCAVATION.
4. WHERE BACKFILL OCCURS ON BOTH SIDES OF A WALL, BACKFILL BOTH SIDES SIMULTANEOUSLY.
5. EQUIPMENT AND/OR MATERIALS WITH WEIGHT GREATER THAN THE DESIGN SURCHARGE SHALL BE KEPT A SAFE HORIZONTAL CLEAR DISTANCE FROM ANY BASEMENT OR RETAINING WALLS. THE SAFE HORIZONTAL CLEAR DISTANCE EQUALS THE HEIGHT FROM THE BASE OF THE RETAINING WALL TO FINISHED GRADE. THE DESIGN SURCHARGE LOAD EQUALS 250 PSF.

MASONRY

MASONRY WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT TMS 402/602 BUILDING CODE REQUIREMENTS AND SPECIFICATION FOR MASONRY STRUCTURES WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

1. HOLLOW MASONRY BLOCK SHALL CONFORM TO ASTM C90 NORMAL WEIGHT.
2. GROUT SHALL CONFORM TO ASTM C476 WITH A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI.
3. MORTAR SHALL BE TYPE M OR S CONFORMING TO ASTM C270. AVERAGE COMPRESSIVE STRENGTH SHALL BE 1,800 PSI.
4. MINIMUM 28-DAY COMPRESSIVE STRENGTH OF MASONRY; f'm = 1,500 PSI.
5. WIRE REINFORCING SHALL CONFORM TO ASTM A951, STANDARD LADDER-TYPE REINFORCING, AND SHALL BE PLACED CONTINUOUSLY IN ALTERNATE HORIZONTAL MORTAR JOINTS. PROVIDE LAP AS RECOMMENDED BY THE MANUFACTURER WITH 6" MINIMUM LAP.
6. WIRE REINFORCING SHALL BE HOT DIP GALVANIZED. WIRE REINFORCING SHALL BE 9 GA. MINIMUM.
7. REINFORCING STEEL SHALL CONFORM TO ASTM A615, A706, OR A996, GRADE 60. REINFORCING STEEL SHALL BE LAPPED AS FOLLOWS WHERE SPLICES ARE REQUIRED:

BAR SIZE	LAP DIMENSION
#4	1'-9"
#5	2'-3"
#6	3'-7"

8. VERTICAL CONTROL JOINTS SHALL BE PROVIDED AT SPACINGS NOT TO EXCEED 24 FT. UNLESS SHOWN OTHERWISE ON STRUCTURAL DRAWINGS. COORDINATE LOCATIONS WITH ARCHITECT AND ENGINEER.
9. ALL CONCRETE MASONRY SHALL BE CONSTRUCTED USING A RUNNING BOND PATTERN UNLESS NOTED OTHERWISE ON THE STRUCTURAL DRAWINGS. FACE SHELL MORTAR BEDDING SHALL BE USED FOR ALL HOLLOW UNITS. IN PARTIALLY GROUTED WALLS, WEBS ADJACENT TO CORES THAT WILL BE GROUTED SHALL ALSO BE MORTARED.
10. SOLID GROUT ALL CMU CELLS THAT ARE BELOW GRADE, HAVE VERTICAL REINFORCING OR ARE BELOW BEAM/JOIST/GIRDER BEARING PLATES. SOLID GROUT ALL CMU LINTELS AND BOND BEAMS.
11. HORIZONTAL REINFORCING SHALL BE DISCONTINUOUS AT VERTICAL CONTROL JOINTS, EXCEPT FOR BOND BEAM REINFORCING, WHICH SHALL BE CONTINUOUS.
12. ALL CMU WALLS HAVE BEEN DESIGNED TO BE STABLE IN THE FINAL CONSTRUCTED CONDITION ONLY. CONTRACTOR IS RESPONSIBLE FOR TEMPORARY BRACING OF CMU WALLS.

TIMBER

TIMBER WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ANSI/AF&PA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION, WITH THE FOLLOWING SUPPLEMENTAL REQUIREMENTS:

1. MINIMUM DESIGN VALUES BASED ON NORMAL CONDITIONS, SURFACED DRY AND USED AT 19% MAXIMUM MOISTURE CONTENT SHALL BE AS FOLLOWS:
   - EXTREME FIBER IN BENDING (Fb) 1,500 PSI
   - TENSION PARALLEL TO GRAIN (Ft) 825 PSI
   - HORIZONTAL SHEAR (Fv) 90 PSI
   - COMPRESSION PERPENDICULAR TO GRAIN 565 PSI
   - COMPRESSION PARALLEL TO GRAIN (Fc) 975 PSI
   - MODULUS OF ELASTICITY (E) 1,600,000 PSI
2. SIZES SHOWN FOR LUMBER ARE NOMINAL SIZES.
3. SPLICING OF TIMBER MEMBERS IS PROHIBITED EXCEPT AS SHOWN.
4. TIMBER EXPOSED TO WEATHER OR GROUND, OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-IMPREGNATED BY AN APPROVED PROCESS AND PRESERVATIVE.
5. LAG SCREWS SHALL CONFORM TO ASTM A307. LEAD HOLES SHALL BE BORED PER SECTION 9.1.2 OF THE "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION."
6. NAILS SHALL BE COMMON NAILS AND SHALL CONFORM TO ASTM F1667.

WOOD MEMBERS

1. ALL DESIGN AND CONSTRUCTION REQUIRING WOOD PRODUCTS SHALL CONFORM TO THE LATEST EDITIONS OF THE AITC "TIMBER CONSTRUCTION MANUAL" AND NFPA "NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION".
2. ALL LUMBER SHALL BE GRADE MARKED TO GRADE AGENCY GRADE SPECIES AND MOISTURE CONTENT. WALL STUDS SHALL BE 2X4 SOUTHERN PINE NO 2 OR BETTER. ALL HEADERS, PLATES, PURLINS, BEAMS AND BLOCKING SHALL BE SOUTHERN YELLOW PINE NO 1 OR BETTER.
3. NAILS SHALL BE COMMON NAILS AND SHALL CONFORM TO ASTM F1667.
4. REFER TO MANUFACTURER INSTALLATION REQUIREMENTS WHERE SPECIFIC ANCHORAGE HARDWARE (SIMPSON) IS SPECIFIED.
5. WHERE SPECIFIC CONNECTION REQUIREMENTS ARE NOT GIVEN, REFER TO FASTENING SCHEDULE IN TABLE 2304.9.1 IN THE 2017 OHIO BUILDING CODE.
6. LUMBER EXPOSED TO WEATHER OR GROUND, OR IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-IMPREGNATED BY AN APPROVED PROCESS AND PRESERVATIVE.

PLYWOOD SHEATHING

PLYWOOD SHEATHING SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT APA PLYWOOD DESIGN SPECIFICATION, WITH THE FOLLOWING SUPPLEMENTAL REQUIREMENTS:

1. PLYWOOD SHALL CONFORM WITH VOLUNTARY PRODUCT STANDARD PS 1-95 AND BEAR THE TRADEMARK OF APA - THE ENGINEERED WOOD ASSOCIATION.
2. PLYWOOD SHALL BE STRUCTURAL I RATED EXTERIOR SHEATHING WITH THICKNESS AS SHOWN ON THE DRAWINGS.
3. FOR ROOF DIAPHRAGM USE 10d COMMON NAILS AT 6" ON CENTER AT SUPPORTED EDGES AND 12" ON CENTER ALONG INETERMEDIATE FRAMING MEMBERS.
4. FOR WALL SHEATHING USE 15/32" EXTERIOR WOOD STRUCTURAL PANEL SHEATHING WITH 10d COMMON NAILS SPACED AT 6" ON CENTER AT SUPPORTING EDGES AND 12" ON CENTER ALONG INTERMEDIATE FRAMING MEMBERS.

CONCRETE

CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF THE CURRENT ACI 301 SPECIFICATIONS FOR STRUCTURAL CONCRETE, ACI 318 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE, ACI 305 SPECIFICATION FOR HOT WEATHER CONCRETING, ACI 306 SPECIFICATION FOR COLD WEATHER CONCRETING, AND ACI 117 SPECIFICATION FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS WITH THE FOLLOWING ADDITIONAL REQUIREMENTS:

1. PRIOR TO CONCRETE PLACEMENT, THE CONTRACTOR SHALL SUBMIT FOR THE ENGINEER TO REVIEW A CONCRETE MIX DESIGN FOR EACH TYPE OF CONCRETE TO BE USED. CONCRETE MIXES SHALL MEET THE REQUIREMENTS SPECIFIED BELOW.

CONCRETE USE	28-DAY COMPRESSIVE STRENGTH (f'c)	MAX AGGREGATE SIZE	MAX. W/C RATIO	AIR ENTRAINMENT	UNIT WEIGHT
FOUNDATIONS	3,000 PSI	1 1/2"	0.55	NONE	145-150 PCF
RETAINING WALLS	4,500 PSI	1 1/2"	0.45	4%-6%	145-150 PCF

2. CEMENT SHALL CONFORM TO ASTM C150 TYPE I, II, OR III.
3. CONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, STIRRUPS, TIES, ETC. AS NECESSARY TO SECURELY HOLD REINFORCING IN PLACE WHILE PLACING CONCRETE.
4. CHLORIDE-BASED ADMIXTURES ARE PROHIBITED IN ALL REINFORCED CONCRETE.
5. REINFORCING STEEL SHALL CONFORM TO ASTM A615, A706, OR A996, GRADE 60.
6. WELDED WIRE REINFORCEMENT SHALL CONFORM TO ASTM A1064.
7. WHERE CONCRETE EXPANSION ANCHORS ARE SPECIFIED ON THE STRUCTURAL DRAWINGS, ACCEPTABLE ANCHORS INCLUDE: HILTI KWIK BOLT 3, HILTI KWIK BOLT TZ, POWERS POWER-STUD+ SD1, POWERS POWER-STUD+ SD2, AND SIMPSON STRONG BOLT 2. WHERE CONCRETE SCREW ANCHORS ARE SPECIFIED ON THE STRUCTURAL DRAWINGS, ACCEPTABLE ANCHORS INCLUDE HILTI KWIK HUS-EZ, POWERS WEDGE BOLT+, AND SIMPSON TITEN HD. BEFORE USING ANY POST INSTALLED CONCRETE ANCHOR NOT LISTED ABOVE, APPROVAL FROM THE ENGINEER IS REQUIRED. IF A SPECIFIC TYPE OF CONCRETE ANCHOR IS SHOWN ON THE STRUCTURAL DRAWINGS, IT MUST BE USED UNLESS AN ALTERNATIVE IS APPROVED BY THE ENGINEER. FOR THE CONCRETE ANCHORS LISTED ABOVE, MINIMUM EMBEDMENT DEPTHS FOR VARIOUS ANCHOR DIAMETERS ARE SHOWN IN THE TABLES BELOW. IF A SPECIFIC EMBEDMENT DEPTH IS SHOWN ON THE STRUCTURAL DRAWINGS, THAT DEPTH MUST BE USED UNLESS AN ALTERNATE IS APPROVED BY THE ENGINEER.
8. SEE MANUFACTURER'S LITERATURE FOR PROPER INSTALLATION OF POST INSTALLED CONCRETE ANCHORS.

EXPANSION ANCHOR MINIMUM EMBEDMENT DEPTHS					
	HILTI		DEWALT		SIMPSON
ANCHOR SIZE	KWIK BOLT 3	KWIK BOLT TZ	POWER-STUD+ SD1	POWER-STUD+ SD2	STRONG BOLT 2
3/8" Ø	2 5/16"	1 13/16"	2 3/8"	2 3/8"	1 7/8"
1/2" Ø	2 5/16"	2 3/8"	2 1/2"	2 1/2"	2 3/4"
5/8" Ø	3 7/8"	3 9/16"	3 3/8"	3 7/8"	3 3/8"
3/4" Ø	4 5/16"	3 13/16"	4"	4 1/2"	4 1/8"

SCREW ANCHOR MINIMUM EMBEDMENT DEPTHS			
	HILTI	DEWALT	SIMPSON
ANCHOR SIZE	KWIK HUS-EZ	SCREW-BOLT+	TITEN HD
3/8" Ø	1 5/8"	2"	2 1/2"
1/2" Ø	2 1/4"	2 1/2"	3 1/4"
5/8" Ø	3 1/4"	3 1/4"	4"
3/4" Ø	4"	4 1/4"	5 1/2"

SPECIAL INSPECTION

WHERE SPECIAL INSPECTION IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, IT SHALL BE PERFORMED BY A REGISTERED DEPUTY INSPECTOR, EMPLOYED BY THE OWNER AND APPROVED BY THE GOVERNING JURISDICTION. COPIES OF THE INSPECTION REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND "LJB." A LICENSED ENGINEER OR ARCHITECT SHALL SIGN EACH REPORT. "LJB" SHALL BE NOTIFIED IMMEDIATELY OF ANY TEST WHICH INDICATES NON COMPLIANCE WITH APPLICABLE CODES OR REQUIREMENTS OF THESE PLANS UNLESS NOTED OTHERWISE. UNLESS NOTED OTHERWISE, PROVIDE SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1705 OF THE 2015 INTERNATIONAL BUILDING CODE ON THE FOLLOWING:

A. CONCRETE CONSTRUCTION PER SECTION 1705.3.
B. MASONRY CONSTRUCTION PER SECTION 1705.4.
C. SOILS PER SECTION 1705.6.

DESIGN DATA

ROOF LOAD

LIVE LOAD	20
RAFTERS AND SHEATHING	10

RISK CATEGORY

II

ROOF SNOW LOAD

(DRIFTING SNOW IN ADDITION TO UNIFORM LOAD WHERE APPLICABLE)

P_g = 20 LBS./FT^2
C_e = 1.0
I_s = 1.0
C_t = 1.0

BASIC DESIGN WIND LOAD

V_{ult} = 115 M.P.H. (3-SECOND GUST)
V_{asd} = 89 M.P.H. (3-SECOND GUST)
EXPOSURE C
INTERNAL PRESSURE COEFFICIENT = ± 0.18
NON-STRUCTURAL WALL COMPONENTS AND CLADDING
(A≤10 FT^2) SHALL BE DESIGNED FOR:
17.7 LBS./FT^2 PRESSURE (ASD)
23.2 LBS./FT^2 SUCTION (ASD)

GEOTECHNICAL DATA

ALLOWABLE SOIL BEARING (ASSUMED)	2,000 LBS./FT^2
FROST DEPTH	32 INCHES

EARTHQUAKE DESIGN DATA

S_S= 0.146
S_1= 0.072
SITE CLASS D (UNKNOWN)
S_{DS}= 0.156
S_{D1}= 0.115
SEISMIC DESIGN CATEGORY B
BASIC SEISMIC-FORCE-RESISTING SYSTEM =
ORDINARY MASONRY SHEAR WALLS
I_E = 1.00
R = 3
V = C_SW = 0.052W
EQUIVALENT LATERAL FORCE PROCEDURE

STRUCTURAL ABBREVIATIONS

ADD'L.	ADDITIONAL	L.W.	LONG WAY
A.F.F.	ABOVE FINISH FLOOR	L.W.C.	LIGHT WEIGHT CONCRETE
ALT.	ALTERNATE	MATL.	MATERIAL
ARCH.	ARCHITECTURAL	MAX.	MAXIMUM
B/	BOTTOM OF	MECH.	MECHANICAL
B.F.F.	BELOW FINISH FLOOR	MEMB.	MEMBRANE
BLDG.	BUILDING	MIN.	MINIMUM
BOT.	BOTTOM	MISC.	MISCELLANEOUS
BMD	BOTTOM OF METAL DECK	MFR.	MANUFACTURER
BRG.	BEARING	M.O.	MASONRY OPENING
C/C	CENTER TO CENTER	MPA	MEGAPASCALS
C.I.P.	CAST IN PLACE	MTL.	METAL
C.J.	CONTROL JOINT	MWFRS	MAIN WIND FORCE RESISTING SYSTEM
C.J.P.	COMPLETE JOINT PENETRATION	N.A.	NOT APPLICABLE
CLR.	CLEAR	N.I.C.	NOT IN CONTRACT
C.M.U.	CONCRETE MASONRY UNIT	NOM.	NOMINAL
COL.	COLUMN	N.S.	NEAR SIDE
CONC.	CONCRETE	N.T.S.	NOT TO SCALE
CONSTR.	CONSTRUCTION	N.W.C.	NORMAL WEIGHT CONCRETE
CONT.	CONTINUOUS	O/O	OUT TO OUT
C.Y.	CUBIC YARD	O.C.	ON CENTER
DET.	DETAIL	O.D.	OUTSIDE DIAMETER
DIA.	DIAMETER	O.F.	OUTSIDE FACE
DIAG.	DIAGONAL	OPN'G	OPENING
DIM.	DIMENSION	OPP.	OPPOSITE
D.L.	DEAD LOAD	P.A.F.	POWER ACTUATED FASTENER
DWG.	DRAWING	P.C.	PRECAST CONCRETE
DWL.	DOWEL	PCF	POUNDS PER CUBIC FOOT
EA.	EACH	PCS.	PIECES
E.F.	EACH FACE	P.I.	POINT OF INTERSECTION
E.J.	EXPANSION JOINT	PL	PLATE
ELEC.	ELECTRICAL	PLF	POUNDS PER LINEAL FOOT
ELEV.	ELEVATION	PLUMB.	PLUMBING
E.L. OR E	EARTHQUAKE (OR SEISMIC) LOAD	PSF	POUNDS PER SQUARE FOOT
EQ.	EQUAL	PSI	POUNDS PER SQUARE INCH
EQUIP.	EQUIPMENT	R. OR RAD.	RADIUS
E.S.	EACH SIDE	R.D.	ROOF DRAIN
E.W.	EACH WAY	REF.	REFERENCE
EXIST.	EXISTING	REINF.	REINFORCING
EXP.	EXPANSION	REQ'D.	REQUIRED
EXT.	EXTERIOR	RET.	RETAINING
F/	FACE OF	R.O.	ROUGH OPENING
F.D.	FLOOR DRAIN	R.T.U.	ROOF TOP UNIT
FIN.	FINISH	SCH.	SCHEDULE
FLR.	FLOOR	SHT.	SHEET
FDN.	FOUNDATION	SHTG.	SHEATHING
F.S.	FAR SIDE	SIM.	SIMILAR
FT.	FEET	S.L.	SNOW LOAD
FTG.	FOOTING	SLRS	SEISMIC LOAD RESISTING SYSTEM
GA.	GAUGE	S.O.G.	SLAB ON GRADE
GALV.	GALVANIZED	SPA.	SPACES
G.B.	GRADE BEAM	SQ.	SQUARE
G.C.	GENERAL CONTRACTOR	STD.	STANDARD
HORIZ.	HORIZONTAL	STIFF.	STIFFENER
H.P.	HIGH POINT	STL.	STEEL
HT.	HEIGHT	STRUCT.	STRUCTURAL
I.D.	INSIDE DIAMETER	S.W.	SHORT WAY
I.F.	INSIDE FACE	SYM.	SYMMETRICAL
IN.	INCH	T/	TOP OF
INSUL.	INSULATION	T&B	TOP AND BOTTOM
INT.	INTERIOR	T&G	TONGUE AND GROOVE
JST.	JOIST	T.D.	TRENCH DRAIN
JT.	JOINT	THD.	THREADED
K	KIP	THK.	THICK
KLF	KIPS PER LINEAR FOOT	T.L.	TOTAL LOAD
KPA	KILOPASCALS	T.O.S.	TOP OF STEEL
KSI	KIPS PER SQUARE INCH	TRANS.	TRANSVERSE
LB.	POUND	TYP.	TYPICAL
L.F.	LINEAR FEET	U.N.O.	UNLESS NOTED OTHERWISE
L.L.	LIVE LOAD	VERT.	VERTICAL
LLH	LONG LEG HORIZONTAL	V.I.F.	VERIFY IN FIELD
LLV	LONG LEG VERTICAL	W/	WITH
L.P.	LOW POINT	W.L.	WIND LOAD
LSH	LONG SIDE HORIZONTAL	W.P.	WORK POINT
LSV	LONG SIDE VERTICAL	W.W.R.	WELDED WIRE REINFORCEMENT

INDEX OF SHEETS

SHEET NAME	SHEET NUMBER
GENERAL STRUCTURAL DATA	S100
CONCESSION FOUNDATION PLAN	S200
UTILITY FOUNDATION PLAN	S201
SITE RETAINING WALLS	S202
CONCESSION ROOF FRAMING PLAN	S300
UTILITY ROOF FRAMING PLAN	S301
WALL ELEVATIONS	S400

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JEREMY E. FALCONER
75743
REGISTERED
PROFESSIONAL ENGINEER

issue date
08/03/23

project number
0120983A.36

sheet name
GENERAL STRUCTURAL DATA

sheet number
S100

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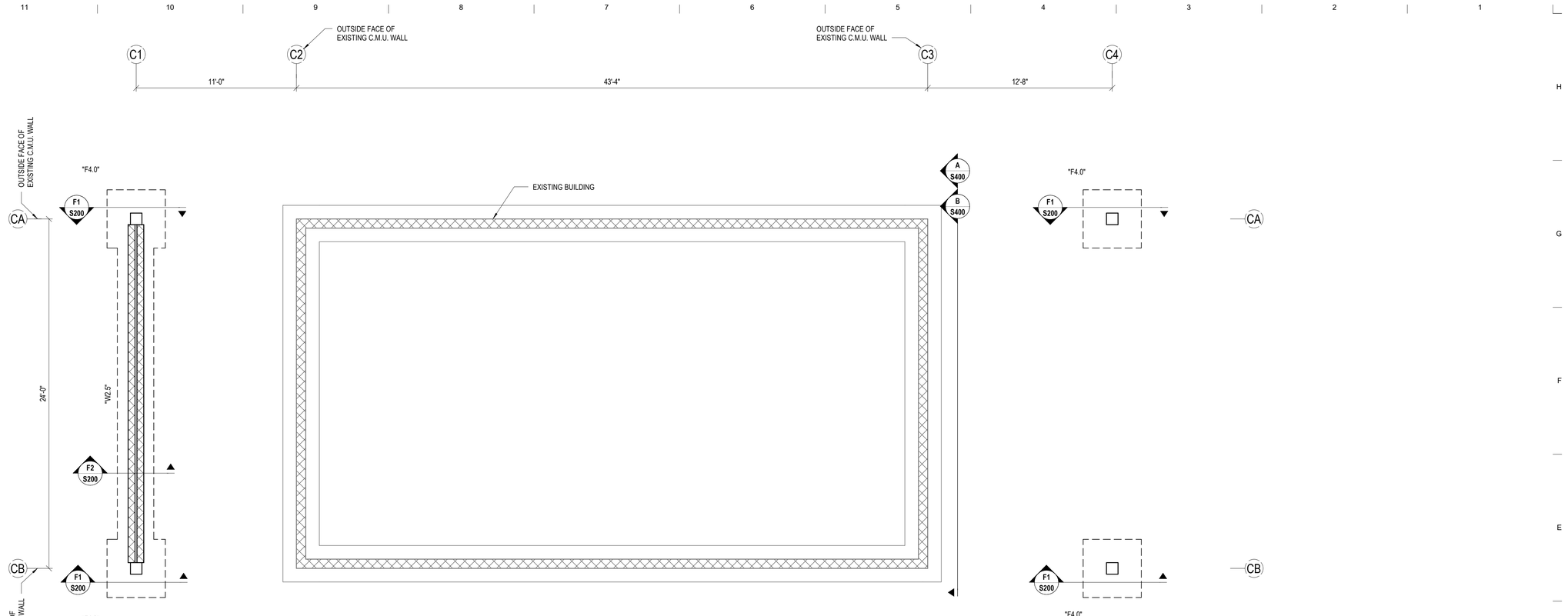
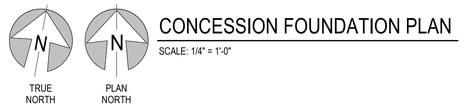




CONCESSION FOUNDATION PLAN

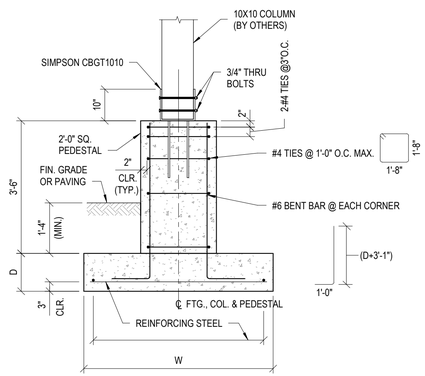
SCALE: 1/4" = 1'-0"

FOUNDATION PLAN NOTES

1. REFER TO ARCHITECTURAL OR CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATION ABOVE SEA LEVEL. REFERENCE FINISH FLOOR ELEVATION OF 100'-0" IS USED ON THE STRUCTURAL DRAWINGS. ALL ELEVATIONS ARE REFERENCED FROM THIS ELEVATION.
2. " . " DENOTES FOOTING MARK. SEE FOOTING SCHEDULE FOR FOOTING SIZE AND REINFORCING.
3. COLUMN SIZES ARE SHOWN ON THE FRAMING PLAN CORRESPONDING TO THE HIGHEST ELEVATION OF THE COLUMN.
4. WHEN CONTINUOUS FOOTINGS CHANGE WIDTH, LONGITUDINAL REINFORCING IN THE NARROWER FOOTING SHALL EXTEND 2'-6" MINIMUM PAST CHANGE IN WIDTH.

CONCESSION FOOTING SCHEDULE

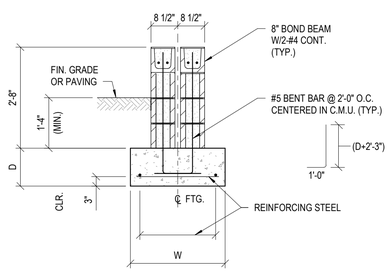
MARK	WIDTH (W)	LENGTH (L)	DEPTH (D)	REINFORCING
"F4.0"	4'-0"	4'-0"	1'-4"	5-#5 BOTTOM EACH WAY
"W2.5"	2'-6"	CONT.	1'-4"	3-#5 CONT BOTTOM



F1 S200 — COLUMN FOOTING SECTION

SCALE: NOT TO SCALE

NOTE:
SEE FOOTING SCHEDULE FOR W, D AND REINFORCING STEEL.



F2 S200 — STEM WALL FOOTING SECTION

SCALE: NOT TO SCALE

NOTE:
SEE FOOTING SCHEDULE FOR W, D AND REINFORCING STEEL.

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seal

issue date 08/03/23

project number 0120983A.36

sheet name

CONCESSION FOUNDATION PLAN

sheet number

S200

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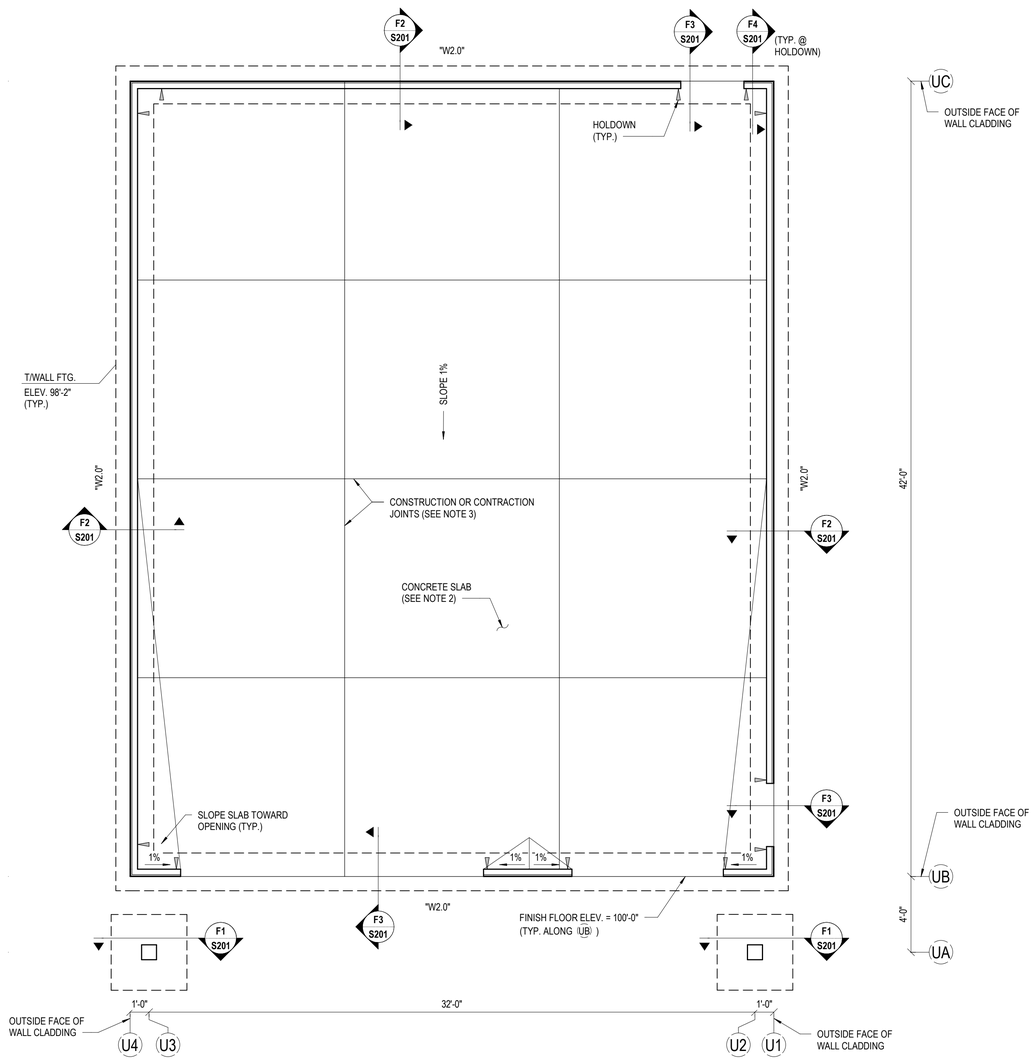
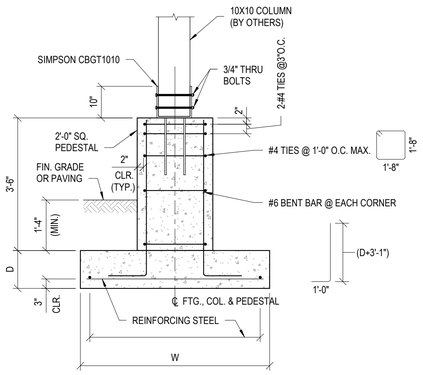


UTILITY FOUNDATION PLAN

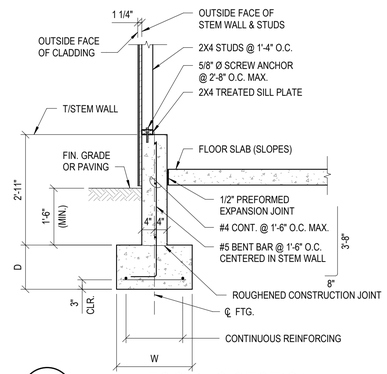
SCALE: 1/4" = 1'-0"



F1 COLUMN FOOTING SECTION

S200 — SCALE: NOT TO SCALE

NOTE:
SEE FOOTING SCHEDULE FOR W, D AND REINFORCING STEEL.



F2 WALL FOOTING SECTION

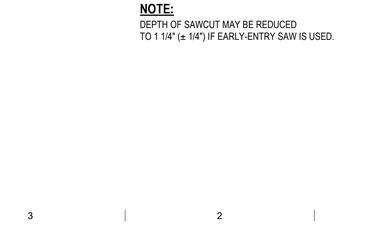
S200 — SCALE: NOT TO SCALE

NOTE:
SEE FOOTING SCHEDULE FOR W, D AND REINFORCING STEEL.

F3 WALL OPENING FOOTING SECTION

S200 — SCALE: NOT TO SCALE

NOTE:
SEE FOOTING SCHEDULE FOR W, D AND REINFORCING STEEL.



F4 HOLDOWN SECTION

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NOTE:
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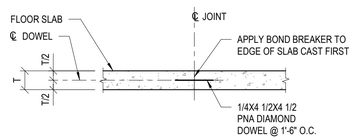

CONSTRUCTION JOINT

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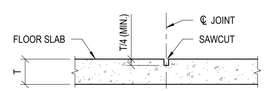

CONTRACTION JOINT

SCALE: NOT TO SCALE

NOTE:
DEPTH OF SAWCUT MAY BE REDUCED TO 1 1/4" (± 1/4") IF EARLY-ENTRY SAW IS USED.

FOUNDATION PLAN NOTES

1. REFER TO ARCHITECTURAL OR CIVIL DRAWINGS FOR FINISHED FLOOR ELEVATION ABOVE SEA LEVEL. REFERENCE FINISH FLOOR ELEVATION OF 100'-0" ALONG GRID UB IS USED ON THE STRUCTURAL DRAWINGS. ALL ELEVATIONS ARE REFERENCED FROM THIS ELEVATION.
2. 5" UNREINFORCED CONCRETE SLAB-ON-GRADE. REFER TO GEOTECHNICAL REPORT FOR SUBGRADE RECOMMENDATIONS.
3. CONSTRUCTION OR CONTRACTION JOINTS SPACED AT 12'-6" O.C. MAX. REFER TO JOINT DETAILS ON SHEET S201.
4. "_" DENOTES FOOTING MARK. SEE FOOTING SCHEDULE FOR FOOTING SIZE AND REINFORCING.
5. COLUMN SIZES ARE SHOWN ON THE FRAMING PLAN CORRESPONDING TO THE HIGHEST ELEVATION OF THE COLUMN.
6. WHEN CONTINUOUS FOOTINGS CHANGE WIDTH, LONGITUDINAL REINFORCING IN THE NARROWER FOOTING SHALL EXTEND 2'-6" MINIMUM PAST CHANGE IN WIDTH.
7. COORDINATE LOCATIONS AND SIZES OF ALL DEPRESSED SLAB AREAS, FLOOR SLOPES, CURBS, AND DRAINS WITH THE ARCHITECTURAL DRAWINGS.

UTILITY FOOTING SCHEDULE

MARK	WIDTH (W)	LENGTH (L)	DEPTH (D)	REINFORCING
"F4.0"	4'-0"	4'-0"	1'-4"	5-#5 BOTTOM EACH WAY
"W2.0"	2'-0"	CONT.	1'-2"	2-#5 CONT. BOTTOM

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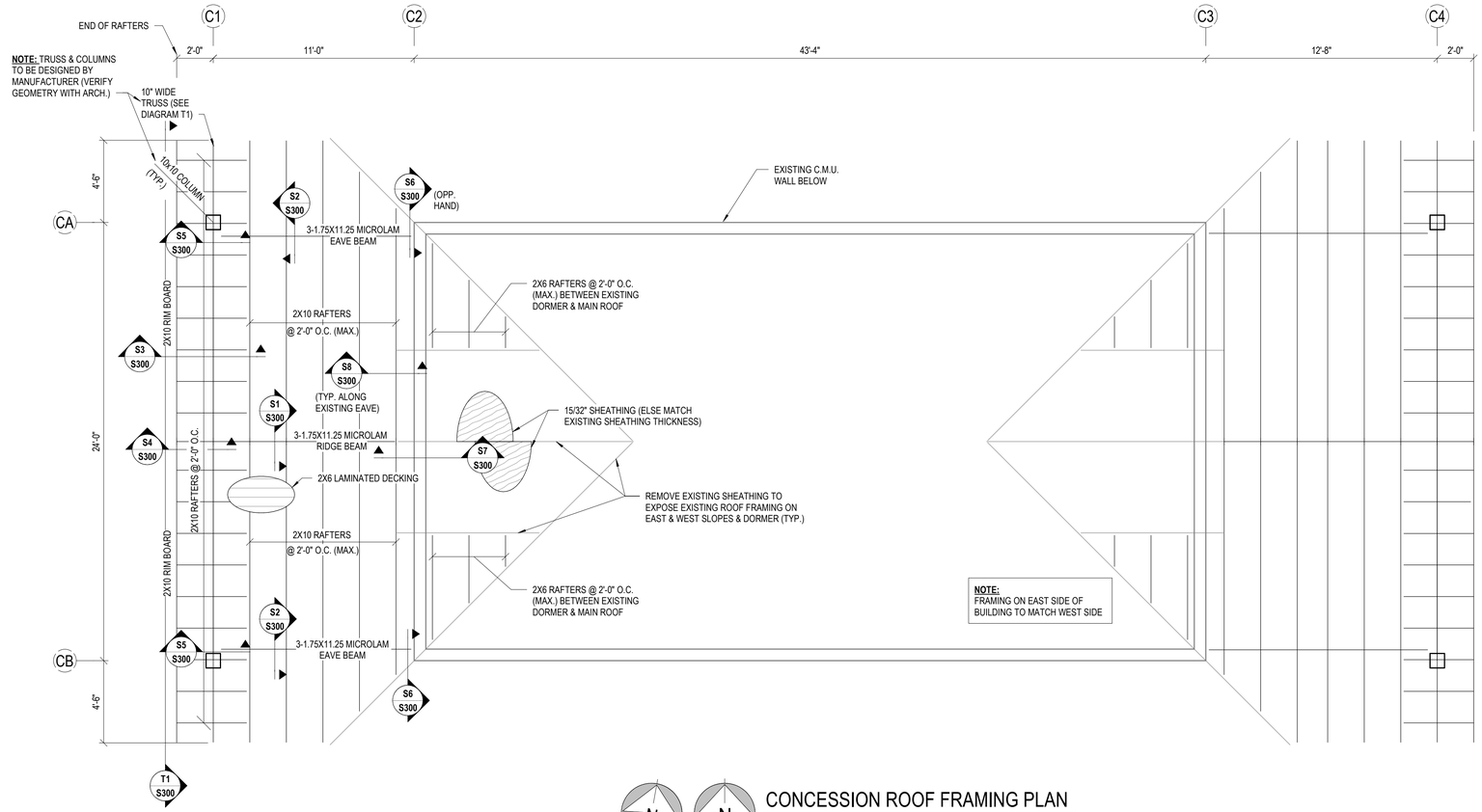
75743
REGISTERED PROFESSIONAL ENGINEER

issue date: 08/03/23
project number: 0120983A.36

sheet name
UTILITY FOUNDATION PLAN

sheet number
S201

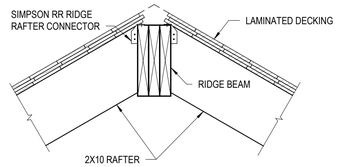


CONCESSION ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

TRUE NORTH

PLAN NORTH



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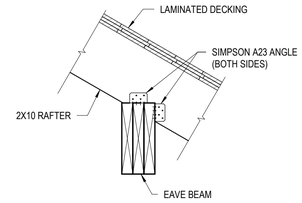

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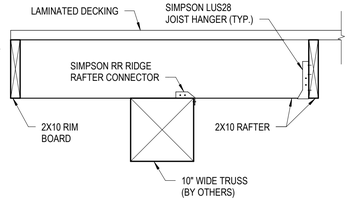

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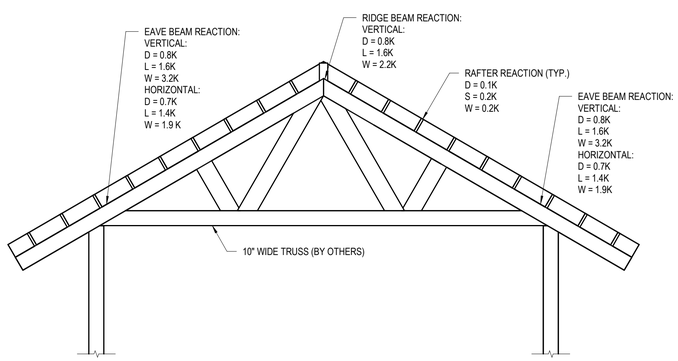

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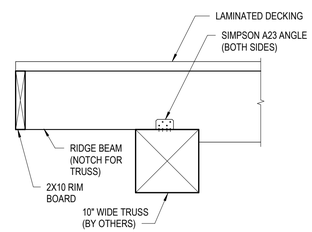

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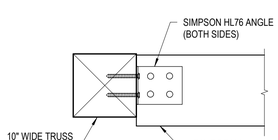

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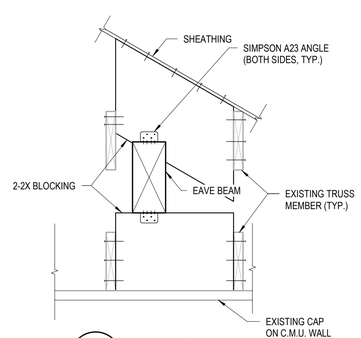

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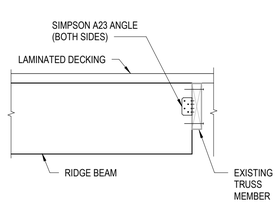

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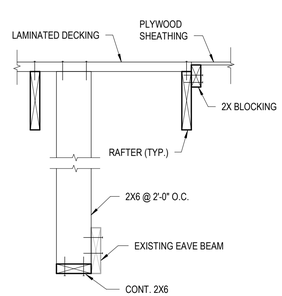

S8 SECTION — S300 — SCALE: NOT TO SCALE

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STATE OF OHIO — JEREMY E. FALCONER — 75743 — REGISTERED PROFESSIONAL ENGINEER

issue date: 08/03/23

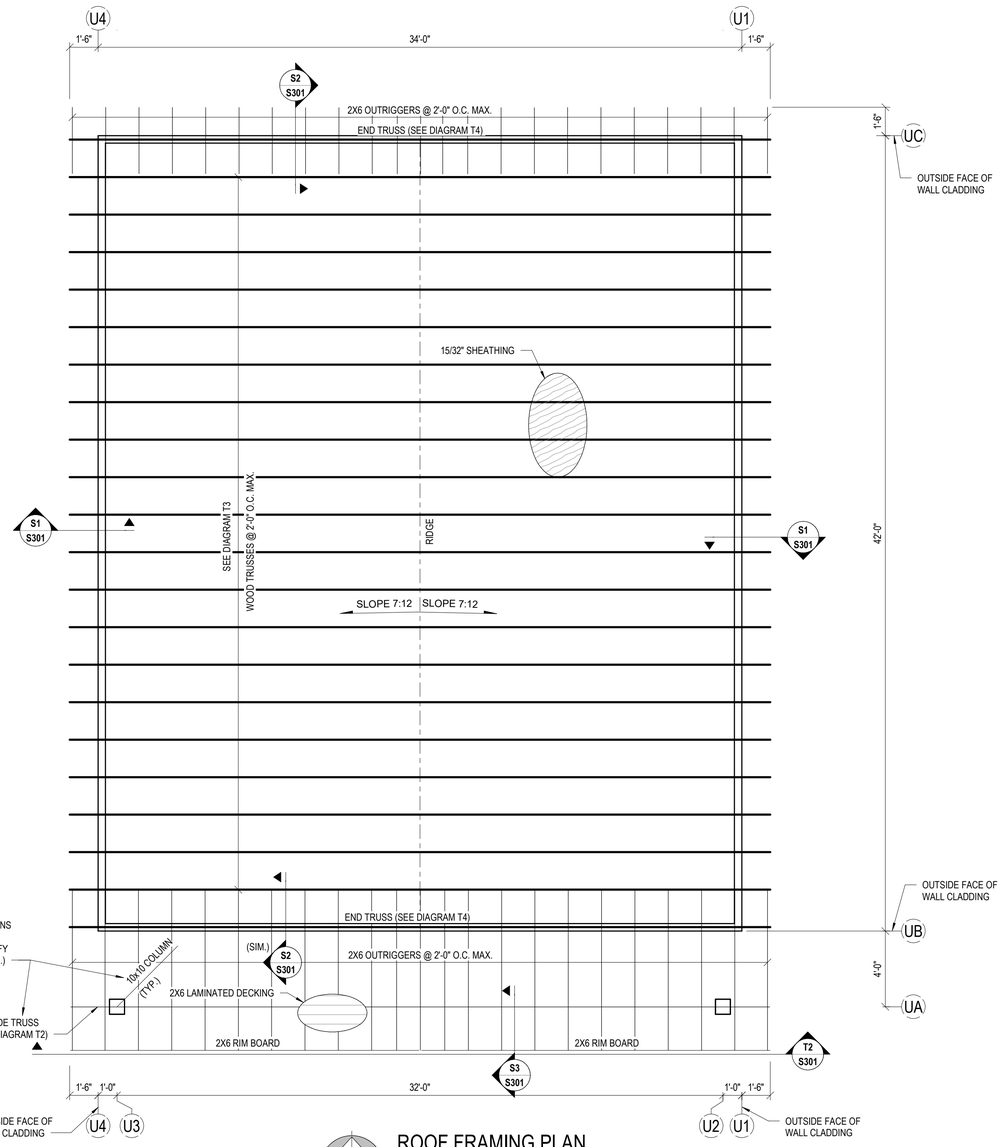
project number: 0120983A.36

sheet name

CONCESSION ROOF FRAMING PLAN

sheet number

S300

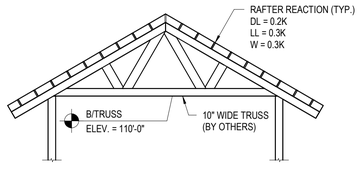


ROOF FRAMING PLAN

SCALE: 1/4" = 1'-0"

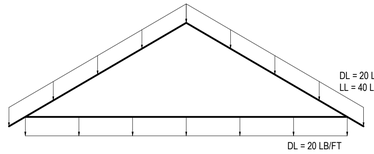
NOTE:

BRACING FOR TRUSSES IS THE RESONSIBILITY OF THE CONTRACTOR AND ERECTOR, REFER TO TRUSS INSTITUTE.



T2 TRUSS LOADING DIAGRAM

S301 — SCALE: NOT TO SCALE



T3 TRUSS LOADING DIAGRAM

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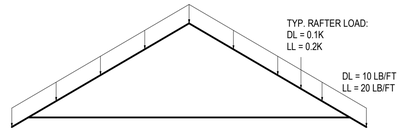

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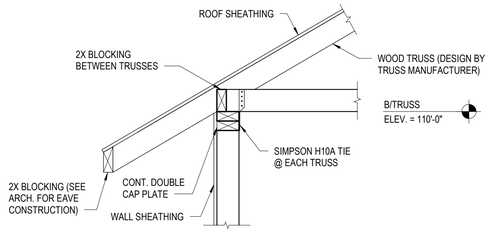

S1 SECTION

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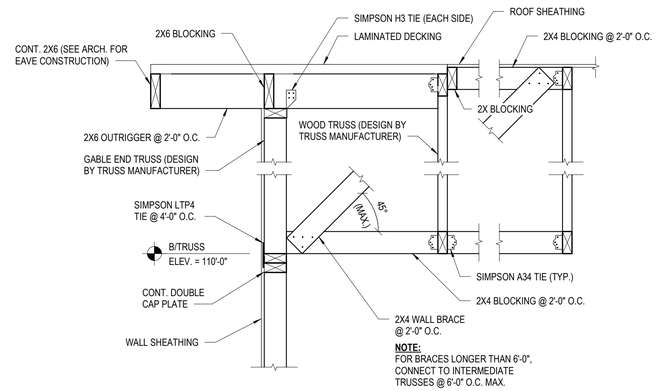

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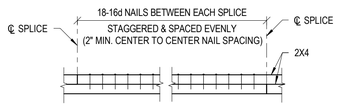
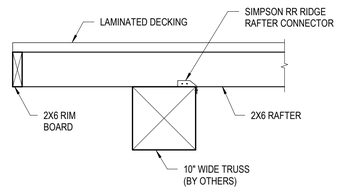


CAP PLATE SPLICE DETAIL

SCALE: NOT TO SCALE



S3 SECTION

S301 — SCALE: NOT TO SCALE

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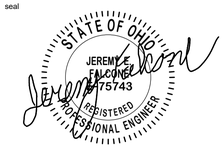

issue date: 08/03/23

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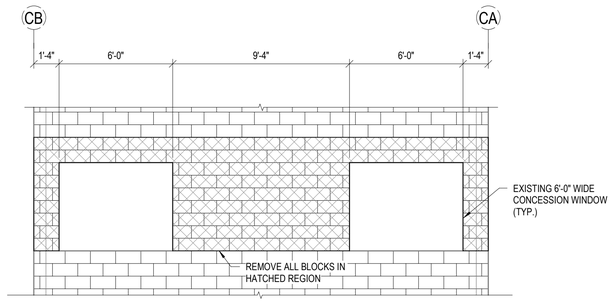
sheet name

UTILITY ROOF FRAMING PLAN

sheet number

S301

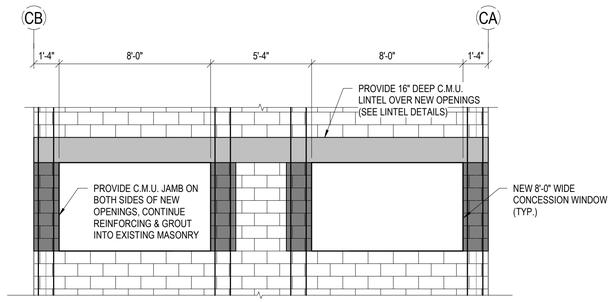


A CONCESSION WALL DEMOLITION PLAN

A / S200

SCALE: 1/4" = 1'-0"

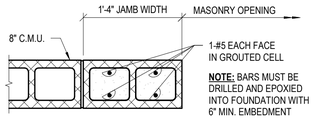
NOTE:
TEMPORARY SHORING OF EXISTING C.M.U. IS CONTRACTOR RESPONSIBILITY.



B CONCESSION WALL ELEVATION

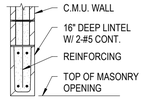
B / S200

SCALE: 1/4" = 1'-0"



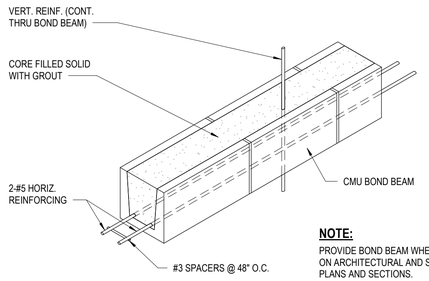
TYPICAL C.M.U. JAMB REINFORCING DETAIL

FOR OPENINGS UP TO 8'-0" IN WIDTH



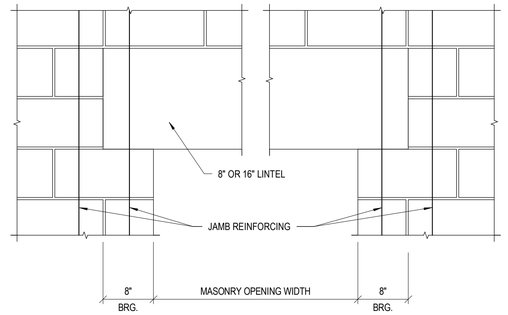
C.M.U. LINTEL

FOR MASONRY OPENINGS UP TO 8'-0" IN WIDTH



NOTE:
PROVIDE BOND BEAM WHERE SHOWN ON ARCHITECTURAL AND STRUCTURAL PLANS AND SECTIONS.

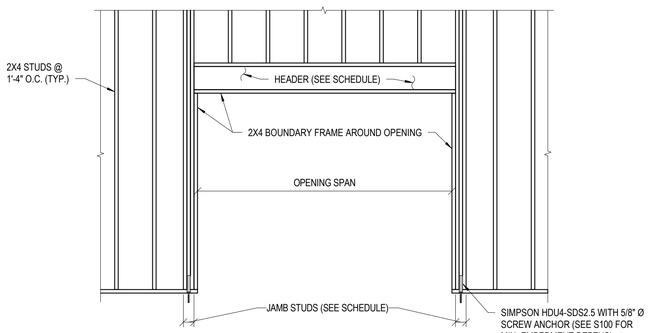
TYPICAL BOND BEAM DETAIL



C.M.U. LINTEL DETAIL

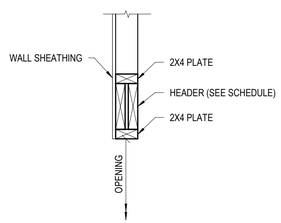
(TYP. @ ALL C.M.U. WALL OPENINGS 8'-0" WIDE OR LESS)

NOTE:
LINTELS SHALL BE PROVIDED FOR ALL OPENINGS AS INDICATED ON THE STRUCTURAL AND ARCHITECTURAL DRAWINGS IN ADDITION, LINTELS ARE REQUIRED FOR ANY MECHANICAL, ELECTRICAL, OR PLUMBING OPENING IN A MASONRY WALL WITH A WIDTH EQUAL TO OR GREATER THAN 1'-0".



TYPICAL STUD FRAMING AT OPENINGS

SCALE: NOT TO SCALE



TYPICAL HEADER SECTION

SCALE: NOT TO SCALE

HEADER SCHEDULE	
SPAN	HEADER
UP TO 4'-0"	2-2X4
4'-1" TO 8'-0"	2-2X6
8'-1" TO 16'-0"	2-2X10

JAMB SCHEDULE	
SPAN	JAMB
UP TO 8'-0"	3-2X4
8'-1" TO 16'-0"	4-2X4

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issue date: 08/03/23

project number: 0120983A.36

sheet name

WALL ELEVATIONS

sheet number

S400

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