1 2 3 4 5 6

Ogden Regional Medical Center

Courtyard Remodel

5475 South 500 East
Ogden, Utah 84405

Construction Documents

NJRA ARCHITECTS

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STATE OF UTAH ★ SELVAM RAJAVELU 267857 ★ LICENSED ARCHITECT

VICINITY MAP

Ogden, Utah

NORTH

GENERAL NOTES

1. STRUCTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS (IF PRESENT) ARE SUPPLEMENTAL TO THE ARCHITECTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO CHECK WITH THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF MECHANICAL OR ELECTRICAL CONSTRUCTION. ANY DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENGINEERS' DRAWINGS SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION FOR CLARIFICATION. ANY CONSTRUCTION INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY THE GENERAL CONTRACTOR AT HIS OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR ARCHITECT.
2. ALL WORK SHALL COMPLY WITH THE CURRENT ADA ACCESSIBILITY GUIDELINES (AMERICANS WITH DISABILITIES ACT).
3. REFER TO THE CODE COMPLIANCE PLAN FOR APPLICABLE CODES GOVERNING THE THIS WORK. CODE REQUIREMENTS AND REGULATIONS SHALL BE CONSIDERED AS MINIMUM. WHERE THE CONTRACT DOCUMENTS EXCEED (WITHOUT VIOLATING) CODE AND REGULATION REQUIREMENTS, CONTRACT DOCUMENTS SHALL TAKE PRECEDENCE. IF CONFLICT EXIST, THE MORE STRINGENT SHALL APPLY.
4. THE CONTRACTOR SHALL PROVIDE ADEQUATE BARRICADES AND PROTECTIVE DEVICES SEPARATING CONSTRUCTION AREAS. TEMPORARY PASSAGES SHALL BE PROVIDED AS REQUIRED. PRIOR TO DELIVERY OF MATERIALS TO CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM SITE, THE CONTRACTOR SHALL CHECK WITH THE OWNER FOR AN ACCEPTABLE ROUTE AND TIME.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER LOCATION AND SIZE OF OPENINGS FOR ALL TRADES AND SHALL COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED BY THE ARCHITECT.
6. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO COMMENCEMENT OF WORK.
7. FOR ALL REMODEL WORK AS OCCURS, THE CONTRACTOR SHALL COORDINATE WITH THE OWNER ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINIMUM OF INTERRUPTION TO NORMAL BUILDING PROCEDURES. SYSTEM SHUTDOWNS OF HVAC, PLUMBING, ELECTRICAL, AND NOISY CONSTRUCTION INCLUDING ROTO HAMMER, SAW CUTTING, CONCRETE ANCHORS, ETC. SHALL BE COORDINATED WITH THE OWNER AT LEAST 72 HOURS PRIOR TO COMMENCEMENT.
8. ALL DIMENSIONS ARE SHOWN TO FACE OF FINISH OF NEW CONSTRUCTION AND FACE OF FINISH OF EXISTING CONSTRUCTION, UNLESS NOTED OTHERWISE.
9. ALL DRAWINGS, THOUGH NOTED TO SCALE ARE FOR ILLUSTRATION ONLY. THE CONTRACTOR SHALL NOT SCALE DRAWINGS.
10. WHEN A DETAIL IS IDENTIFIED AS TYPICAL, THE CONTRACTOR IS TO APPLY THIS DETAIL IN ESTIMATING AND CONSTRUCTION TO EVERY LIKE CONDITION WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE.
11. ALL PENETRATIONS INTO SOUND OR FIRE RATED PARTITIONS, FLOORS OR CEILING ASSEMBLIES SHALL BE SEALED WITH APPROVED PERMANENT RESILIENT SEALANT. REFER TO IBC CURRENT VERSION FOR REQUIREMENTS FOR OPENINGS IN FIRE RATED WALLS. FOR OPENINGS LESS THAN 16 SQUARE INCHES, THE SPACE BETWEEN THE WALL AND ALLOWED PENETRATIONS MUST BE SEALED TO PREVENT THE MOVEMENT OF HOT FLAME OR GASES. ELECTRICAL DEVICES, RECESSED CABINETS, ETC. SHALL BE SEALED, LINED, INSULATED OR OTHERWISE TREATED TO MAINTAIN THE INTEGRITY OF THE ASSEMBLY. SEE PENETRATION DETAILS.
12. DRAWINGS HAVE BEEN DETAILED IN COMPLIANCE WITH U.L. LISTING REQUIREMENTS AND ICBO REPORTS FOR THE MATERIALS SPECIFIED. IF AN ALTERNATE OR SUBSTITUTED MATERIAL IS ACCEPTED AS AN EQUAL BY THE GENERAL CONTRACTOR, HE/SHE WILL ASSUME THE RESPONSIBILITY FOR WHATEVER CONSTRUCTION MODIFICATION AND/OR ADDITIONAL COSTS ARE REQUIRED
13. ALL TRASH SHALL BE REMOVED DAILY. BUILDING MATERIALS MAY NOT BE STORED IN THE CORRIDORS AT ANY TIME. BLOCKAGE OF ANY REQUIRED EXIT IS PROHIBITED.
14. THE CONTRACTOR SHALL VERIFY SIZES AND LOCATIONS OF WATER AND DRAIN INSTALLATIONS AND OTHER REQUIRED SERVICES WITH EQUIPMENT MANUFACTURERS.
15. ABBREVIATIONS THROUGHOUT THE PLAN ARE THOSE IN COMMON USE. THE ARCHITECT SHALL DEFINE THE INTENT OF ANY IN QUESTION.
16. CONTRACTOR SHALL REFER TO THE PROJECT MANUAL FOR A COMPLETE LIST OF GENERAL CONDITIONS, SPECIAL CONDITIONS AND OTHER NOTES.
17. ALL WOOD CANTS, NAILERS, CURBS, ETC. THROUGHOUT JOB SHALL BE FIRE RETARDANT PRESSURE-TREATED, AS PER I.B.C. CURRENT VERSION SEE RELEVANT DETAILS.
18. MAINTAIN ALL EXISTING SPRAY-APPLIED FIRE-PROOFING ON STEEL STRUCTURAL MEMBERS. WHERE EXISTING FIRE-PROOFING IS REMOVED FOR INSTALLATION OF NEW BEAMS, UNISTRUTS, ETC. THE CONTRACTOR SHALL PATCH AGAIN WITH EQUIVALENT FIRE PROOFING MATERIAL TO MATCH ADJACENT EXISTING MATERIAL.
19. CONTRACTOR TO PAINT INDICATOR OF RATING WITH STENCIL ON ALL RATED WALLS (SMOKE, SOUND & FIRE). INDICATORS SHALL BE APPLIED EVERY 25' BUT A MINIMUM OF ONCE PER WALL SEGMENT.

INTERIM LIFE SAFETY MEASURES

IMPLEMENTATION OF INTERIM LIFE SAFETY MEASURES (ILSM) IS REQUIRED IN OR ADJACENT TO ALL CONSTRUCTION AREAS AND THROUGHOUT BUILDINGS WITH EXISTING LSC DEFICIENCIES. ILSM APPLY TO ALL PERSONNEL, INCLUDING CONSTRUCTION WORKERS, MUST BE IMPLEMENTED UPON PROJECT DEVELOPMENT, AND CONTINUOUSLY ENFORCED THROUGH PROJECT COMPLETION. ILSM ARE INTENDED TO PROVIDE A LEVEL OF LIFE SAFETY COMPARABLE TO THAT DESCRIBED IN CHAPTERS 1 THROUGH 7, 31 AND THE APPLICABLE OCCUPANCY CHAPTERS OF THE LSC. EACH ILSM ACTION MUST BE DOCUMENTED THROUGH WRITTEN POLICIES AND PROCEDURES. EXCEPT AS STATED BELOW, FREQUENCIES FOR INSPECTION, TESTING, TRAINING, AND ILSM CONSIST OF THE FOLLOWING ACTIONS:

1. ENSURING EXITS PROVIDE FREE AND UNOBSTRUCTED EGRESS. PERSONNEL SHALL RECEIVE TRAINING IF ALTERNATIVE EXITS MUST BE DESIGNATED. BUILDINGS OR AREAS UNDER CONSTRUCTION MUST MAINTAIN ESCAPE FACILITIES FOR CONSTRUCTION WORKERS AT ALL TIMES. MEANS OF EGRESS IN CONSTRUCTION AREAS MUST BE INSPECTED DAILY.
2. ENSURING FREE AND UNOBSTRUCTED ACCESS TO EMERGENCY DEPARTMENTS/ SERVICES AND FOR EMERGENCY FORCES.
3. ENSURE FIRE ALARM, DETECTION, AND SUPPRESSION SYSTEMS ARE NOT IMPAIRED. A TEMPORARY, BUT EQUIVALENT, SYSTEM SHALL BE PROVIDED WHEN ANY FIRE SYSTEM IS IMPAIRED. TEMPORARY SYSTEMS MUST BE INSPECTED AND TESTED MONTHLY.
4. ENSURING TEMPORARY CONSTRUCTION PARTITIONS ARE SMOKE TIGHT AND BUILT OF NONCOM OR LIMITED COMBUSTIBLE MATERIALS THAT WILL NOT CONTRIBUTE TO THE DEVELOPMENT OR SPREAD OF FIRE.
5. PROVIDING ADDITIONAL FIRE-FIGHTING EQUIPMENT AND USE TRAINING OF PERSONNEL.
6. PROHIBITING SMOKING IN ACCORDANCE WITH MA.1.3.15 AND IN OR ADJACENT TO ALL CONSTRUCTION AREAS.
7. DEVELOPING AND ENFORCING STORAGE, HOUSEKEEPING, AND DEBRIS REMOVAL PRACTICES THAT REDUCE THE FLAMMABLE AND COMBUSTIBLE FIRE LOAD OF THE BUILDING TO THE LOWEST LEVEL NECESSARY FOR DAILY OPERATIONS.
8. CONDUCTING A MINIMUM OF TWO FIRE DRILLS PER SHIFT PER QUARTER.
9. INCREASING HAZARD SURVEILLANCE OF BUILDINGS, GROUNDS, AND EQUIPMENT WITH SPECIAL ATTENTION TO EXCAVATIONS, CONSTRUCTION AREAS CONSTRUCTION STORAGE, AND FIELD OFFICES.
10. TRAINING PERSONNEL WHEN STRUCTURAL OR COMPARTMENT FEATURES OF FIRE SAFETY ARE COMPROMISED.
11. CONDUCTING ORGANIZATION WIDE SAFETY EDUCATION PROGRAMS TO ENSURE AWARENESS OF ANY LSC DEFICIENCIES, CONSTRUCTION HAZARDS, AND THESE ILSM.

DEFINITIONS

1. GENERAL: BASIC CONTRACT DEFINITIONS ARE INCLUDED IN THE CONDITIONS OF THE CONTRACT.
2. "APPROVED": WHEN USED TO CONVEY ARCHITECT'S ACTION ON CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, "APPROVED" IS LIMITED TO ARCHITECT'S DUTIES AND RESPONSIBILITIES AS STATED IN THE CONDITIONS OF THE CONTRACT.
3. "DIRECTED": A COMMAND OR INSTRUCTION BY ARCHITECT. OTHER TERMS INCLUDING "REQUESTED," "AUTHORIZED," "SELECTED," "REQUIRED," AND "PERMITTED" HAVE THE SAME MEANING AS "DIRECTED."
4. "INDICATED": REQUIREMENTS EXPRESSED BY GRAPHIC REPRESENTATIONS OR IN WRITTEN FORM ON DRAWINGS, IN SPECIFICATIONS, AND IN OTHER CONTRACT DOCUMENTS. OTHER TERMS INCLUDING "SHOWN," "NOTED," "SCHEDULED," AND "SPECIFIED" HAVE THE SAME MEANING AS "INDICATED."
5. "REGULATIONS": LAWS, ORDINANCES, STATUTES, AND LAWFUL ORDERS ISSUED BY AUTHORITIES HAVING JURISDICTION, AND RULES, CONVENTIONS, AND AGREEMENTS WITHIN THE CONSTRUCTION INDUSTRY THAT CONTROL PERFORMANCE OF THE WORK.
6. "FURNISH": SUPPLY AND DELIVER TO PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS.
7. "INSTALL": UNLOAD, TEMPORARILY STORE, UNPACK, ASSEMBLE, ERECT, PLACE, ANCHOR, APPLY, WORK TO DIMENSION, FINISH, CURE, PROTECT, CLEAN, AND SIMILAR OPERATIONS AT PROJECT SITE.
8. "PROVIDE": FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE.
9. "PROJECT SITE": SPACE AVAILABLE FOR PERFORMING CONSTRUCTION ACTIVITIES. THE EXTENT OF PROJECT SITE IS SHOWN ON DRAWINGS AND MAY OR MAY NOT BE IDENTICAL WITH THE DESCRIPTION OF THE LAND ON WHICH PROJECT IS TO BE BUILT.

GENERAL INFORMATION SYMBOLS

A100A — **NJRA Sheet Number**: PROJECT AREA, SHEET NUMBER SEQUENCE, SHEET TYPE, DISCIPLINE

GRID REFERENCE MARK

NORTH — NORTH ARROW

3 / A320 — BUILDING SECTION / SHEET WHERE DRAWN

3 / A320 — WALL SECTION / SHEET WHERE DRAWN

3 / A320 SIM — DETAIL / SHEET WHERE DRAWN

3 / A320 SIM — CALLOUT / SHEET WHERE DRAWN

XX / A### — INTERIOR ELEVATION / SHEET WHERE DRAWN

NAME / #### / #### SF — ROOM NAME / ROOM NUMBER

DATUM POINT TAG

117'-0" TOW — SPOT ELEVATION

117'-0" TOW — VERTICAL ELEVATION

CENTER LINE

— KEYED NOTE

101A — DOOR TAG.

A — WINDOW TAG. SEE WINDOW TYPES.

B6 — PARTITION TYPE. SEE WALL TYPES DETAIL A1/A501.

F3 — FLOOR FINISH. REFER TO FINISH LEGEND.

B3 — WALL BASE. REFER TO FINISH LEGEND.

W3 — WALL FINISH. REFER TO FINISH LEGEND.

PL2 — PLASTIC LAMINATE FOR CABINETS AND OTHER SURFACES. REFER TO FINISH LEGEND.

DRAWING REVISION / REVISION NUMBER (1)

GRAVEL
CONCRETE (SECTION)
STUCCO OR CONCRETE (ELEVATION)
PLYWOOD
FINISH WOOD
BRICK
CONCRETE MASONRY UNIT
EARTH
ALUMINUM
BATT INSULATION
ACOUSTICAL CEILING TILE
ASPHALT PAVING
STONE
RIGID INSULATION
WOOD FRAMING - CONTINUOUS
WOOD FRAMING - NON-CONTINUOUS
GYPSUM BOARD
STEEL (SECTION OR STUD PARTITION)

ABBREVIATIONS

AC	AIR CONDITIONING
AFF	ABOVE FINISH FLOOR
ALT	ALTERNATE
ALUM	ALUMINUM
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
BD	BOARD
BLDG	BUILDING
BLKG	BLOCK
BO	BOTTOM OF ______
BOT	BOTTOM
BRG	BEARING
BYD	BEYOND
CB	CATCH BASIN
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CIP	CAST IN PLACE
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COMM	COMMUNICATION
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
CSK	COUNTER SUNK
CTR	CENTER
DEMO	DEMOLITION
DIA	DIAMETER
DIAG	DIAGONAL
DIM	DIMENSION
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATOR
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXP	EXPANSION
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FIN	FINISH
FLR	FLOOR
FT	FOOT; FEET
GA	GAUGE
GALV	GALVANIZED
GI	GALVANIZED IRON
GL	GLASS
GLU LAM	GLUED LAMINATED WOOD
GYP	GYPSUM
HC	HANDICAPPED
HVAC	HEATING, VENTILATION, AIR CONDITIONING
ID	INSIDE DIAMETER
INT	INTERIOR
ISO	ISOMETRIC
JAN	JANITOR
JST	JOIST
JT	JOINT
KD	KNOCKED DOWN
KOP	KNOCKOUT PANEL
LAB	LABORATORY
LAV	LAVATORY
MAINT	MAINTENANCE
MAX	MAXIMUM
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM; MINUTE
MISC	MISCELLANEOUS
MO	MASONRY OPENING
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL; OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
OFOI	OWNER FURNISHED, OWNER INSTALLED
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OH	OVERHEAD
OPP	OPPOSITE
PERP	PERPENDICULAR
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLT	PLATE
PLUM	PLUMBING
PLYWD	PLYWOOD
PR	PAIR
PREFAB	PREFABRICATE(D)
QTY	QUANTITY
RD	ROOF DRAIN
REF	REFRIGERATOR
REINF	REINFORCE (D) (ING) (MENT)
REQD	REQUIRED
RM	ROOM
RO	ROUGH OPENING
RTD	RATED
RTU	ROOF TOP (HVAC) UNIT
RV	ROOF VENT
SCHED	SCHEDULE
SF	SQUARE FEET
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
STD	STANDARD
STL	STEEL
STRUCT	STRUCTURAL
SUSP	SUSPENDED
THK	THICKNESS
TO	TOP OF ______
TOB	TOP OF BEAM
TOS	TOP OF SLAB, TOP OF STRUCTURE
TOW	TOP OF WALL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
VEST	VESTIBULE
VTR	VENT THROUGH ROOF
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WF	WIDE FLANGE
WH	WATER HEATER
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER

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DRAWING INDEX

GENERAL INFORMATION
G001 Cover & Project Information Sheet

CIVIL DRAWINGS
C000 Demolition Plan
C100 Site Plan
C200 Grading & Drainage Plan
C300 Utility Plan

LANDSCAPE DRAWINGS
L1.0 Project Overview
L1.1 Zen Concept Landscape Plan
L1.2 Naturalistic Concept Landscape Plan
L1.3 Flow Concept Landscape Plan
L1.4 Irrigation Plans
L1.5 Layout Plans
L1.6 Details

ARCHITECTURAL DRAWINGS
A010 Site Staging Plan
A011d Demolition Site Plan - Courtyard 1 (Naturalistic)
A011 Site Plan - Courtyard 1 (Naturalistic)
A012d Demolition Site Plan - Courtyard 2 (Zen)
A012 Site Plan - Courtyard 2 (Zen)
A013d Demolition Site Plan - Courtyard 3 (Flow)
A013 Site Plan - Courtyard 3 (Flow)
A021 Enlarged Site Plans
A031 Sections

MECHANICAL DRAWINGS
M001 Mechanical Coversheet
M011 Courtyard 1 Mechanical Plans
M012 Courtyard 2 Mechanical Plans
M013 Courtyard 3 Mechanical Plans
M601 Mechanical Schedules

ELECTRICAL DRAWINGS
EE001 Sheets Index, Abbreviations, & General Notes
EE501 Electrical Details & Schedules
EE701 Typical Mounting Height Details
ED101 Level 1 Electrical Demolition Plan
EP100 Overall Electrical Plan
EP101 Level 1 Power Plan
EL101 Level 1 Lighting Plan

Ogden Regional Medical Center
Courtyard Remodel
5475 South 500 East
Ogden, Utah 84405

NJRA Project # 17302.00
Construction Documents March 8, 2018

Cover & Project Information

G001

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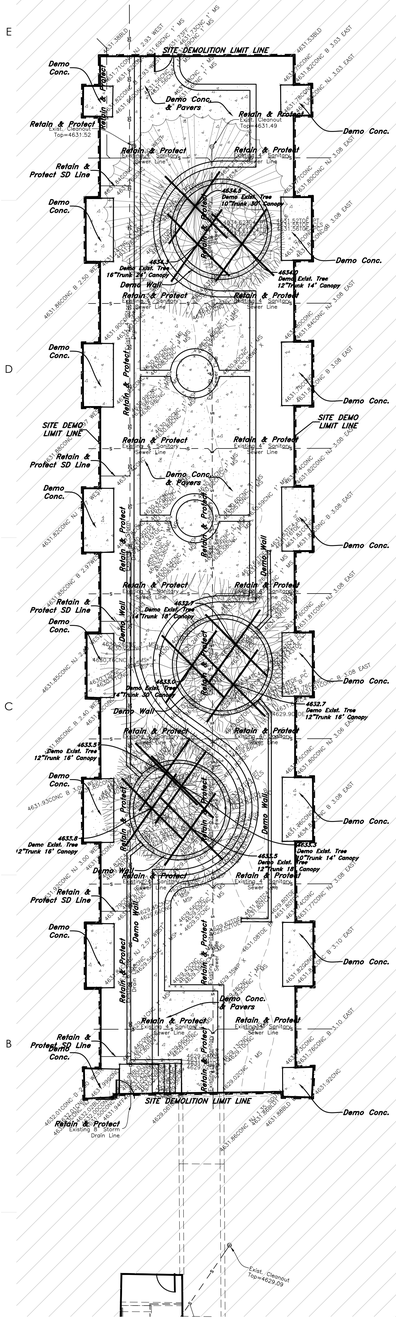
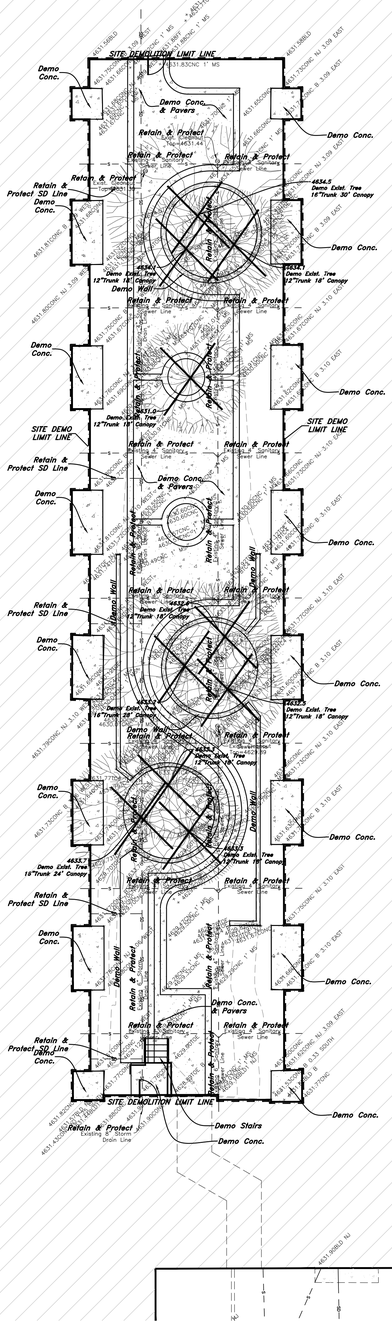
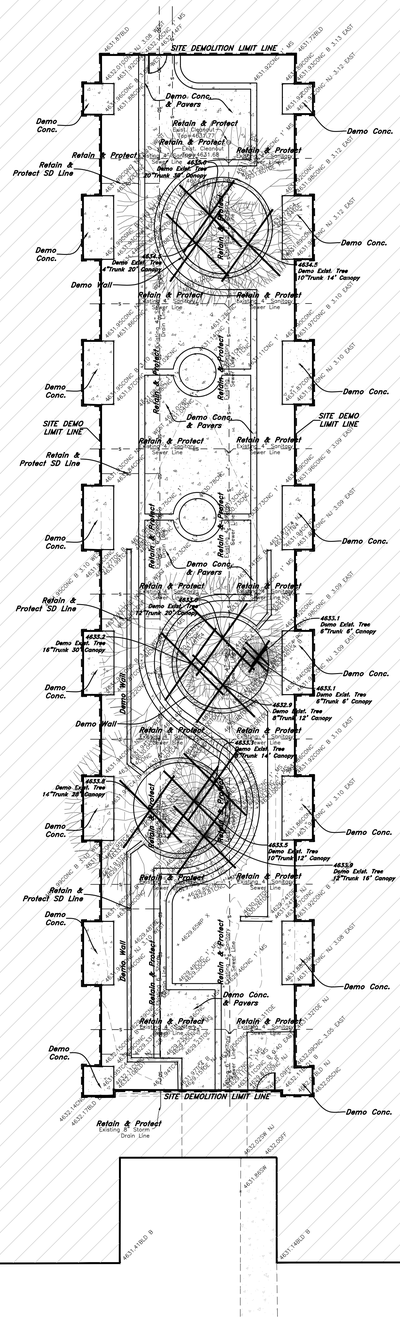
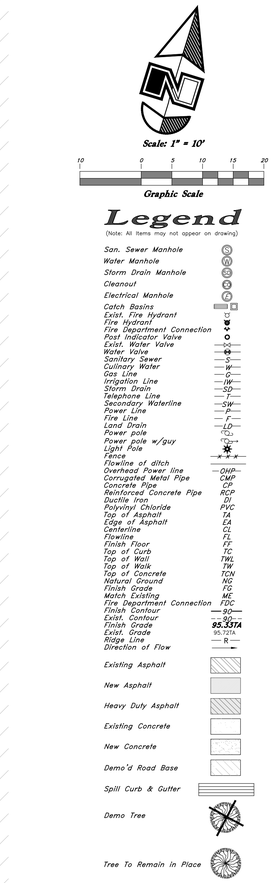


Existing Building



Existing Building

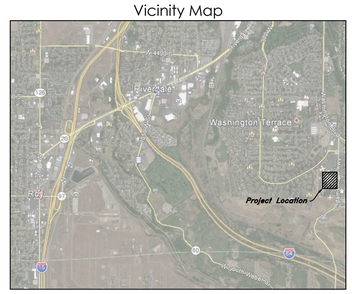




GENERAL DEMOLITION NOTES:

1. Demolition and site clearing for this contract are to include all areas shown within demolition limits or by note.
2. Refer to site improvement plans for more details on limits of removal.
3. Coordinate with Architectural demolition plan for limits of building demolition (including removal of footings and foundations.)
4. All curbs, walks, slabs, walls, fences, flatwork and other site items to within construction limits to be cleared from site unless otherwise shown.
5. All existing utilities including, but not limited to waterlines and meters, gas lines, sewer lines, buried cables, storm drain piping and structures, telephone and electrical services within or outside of construction limits to be retained and protected, unless otherwise shown. Coordinate demolition or protection of building items with Architectural demolition plan.
6. Basements and other excavated areas to be backfilled with clean granular material compacted to 95% of maximum lab density as determined by ASTM D 1557-78. (Test results to be given to owner)
7. Clear and grub trees, shrubs, and vegetation within construction limits, disposal to be off-site except where noted otherwise.
8. DO NOT interrupt any services or disrupt the operation of any businesses shown outside the demolition limits.
9. If ASBESTOS is found in existing structures, the Asbestos must be removed in a legal manner by a contractor licensed to handle asbestos materials. (Not a part of contract)
10. Remove debris, rubbish, and other materials resulting from the demolition and site clearing operations from the site and dispose of in a legal manner.
11. The location and/or elevation of existing utilities as shown on these plans is based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied upon as being exact or complete. Contractor shall contact authorities having jurisdiction for field locations. Contractor shall be responsible for protection of in place and relocated utilities during construction.
12. Stockpiles shall be graded to maintain slopes not greater than 3 horizontal to 1 vertical. Provide erosion control as needed to prevent sediment transport to adjacent drainage ways.
13. Contractor shall be responsible for disposal of all waste material. Disposal shall be at an approved site for such material. Burning onsite is not permitted.
14. Contractor shall obtain all permits necessary for demolition from City, County, State or Federal Agencies as required.

Vicinity Map



CAUTION NOTICE TO CONTRACTOR

The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans are based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the propose improvements shown on the plans.

ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY

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5475 South 500 East
Ogden, Utah 84405

NJRA Project # 17302.00
Construction Documents February 16, 2018

Demolition Plan

C000

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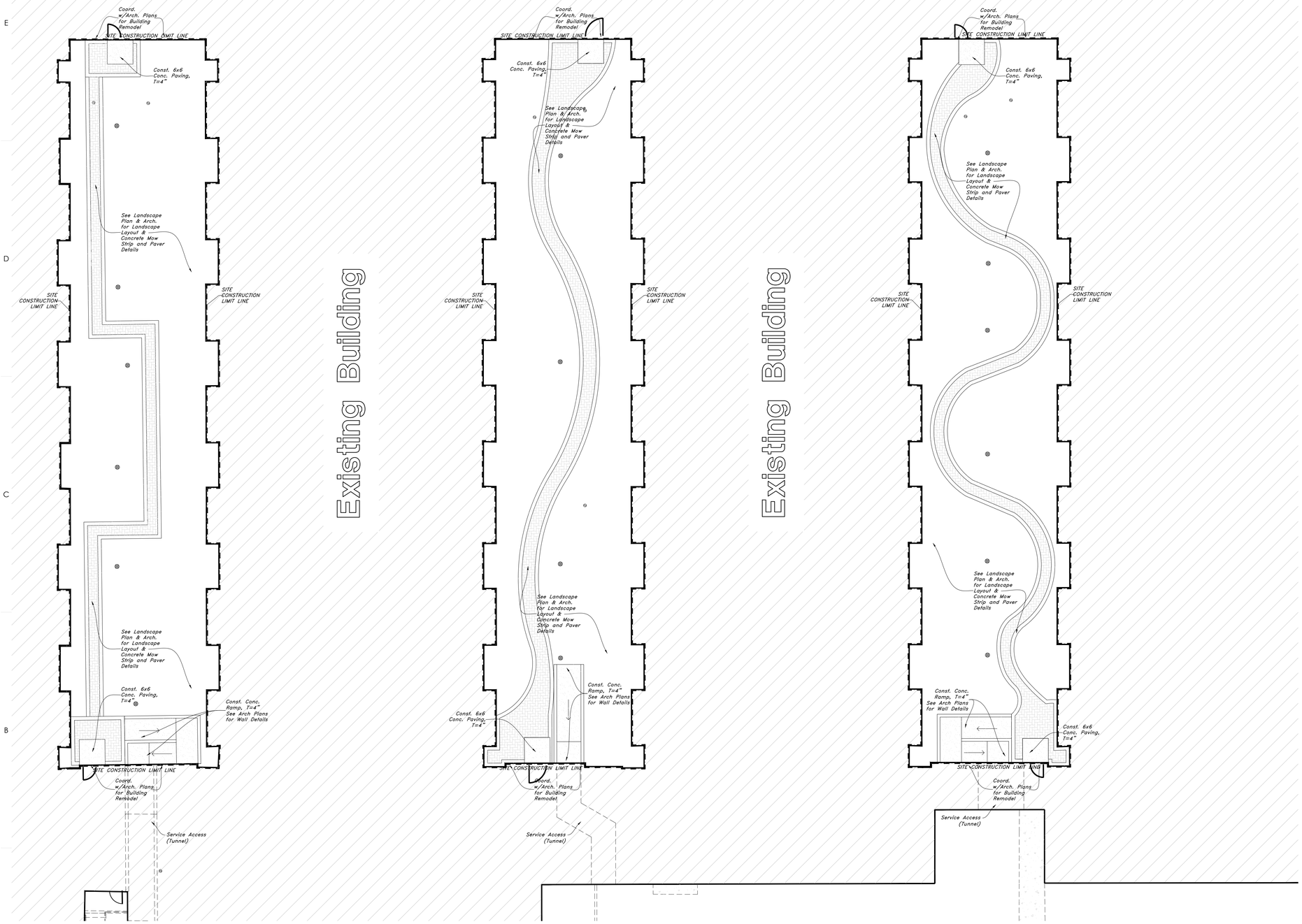

Scale: 1" = 10'

10 0 5 10 15 20

Graphic Scale

Legend

(Note: All items may not appear on drawing)

San. Sewer Manhole	S
Water Manhole	W
Storm Drain Manhole	D
Cleanout	C
Electrical Manhole	E
Catch Basins	
Exist. Fire Hydrant	
Fire Hydrant	
Fire Department Connection	
Post Indicator Valve	
Exist. Water Valve	
Water Valve	
Sanitary Sewer	S
Culinary Water	W
Gas Line	G
Irrigation Line	IW
Storm Drain	SD
Telephone Line	T
Secondary Waterline	SW
Power Line	P
Fire Line	F
Land Drain	LD
Power pole	
Power pole w/guy	
Light Pole	
Fence	
Flowline of ditch	
Overhead Power line	OHP
Corrugated Metal Pipe	CMP
Concrete Pipe	CP
Reinforced Concrete Pipe	RCP
Ductile Iron	DI
Polyvil Chloride	PVC
Top of Asphalt	TA
Edge of Asphalt	EA
Centerline	CL
Flowline	FL
Finish Floor	FF
Top of Curb	TC
Top of Wall	TWL
Top of Walk	TW
Top of Concrete	TCN
Natural Ground	NG
Finish Grade	FG
Match Existing	ME
Fire Department Connection	FDC
Finish Contour	90
Exist. Contour	90
Finish Grade	95.53TA
Exist. Grade	95.72TA
Ridge Line	R
Direction of Flow	
Existing Asphalt	
New Asphalt	
Heavy Duty Asphalt	
Existing Concrete	
New Concrete	
Demo'd Road Base	
Spill Curb & Gutter	
Demo Tree	
Tree To Remain In Place	

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Ogden, Utah 84403 Main (801)394-4515
S.L.C.(801)521-0222 Fax 801-392-7544
www.greatbasinengineering.com

NO. 163161 MARK EUGENE RABBITT STATE OF UTAH 3-16-18

Ogden Regional Medical Center
Courtyard Remodel

5475 South 500 East
Ogden, Utah 84405

NJRA Project # 17302.00
Construction Documents February 16, 2018

Site Plan

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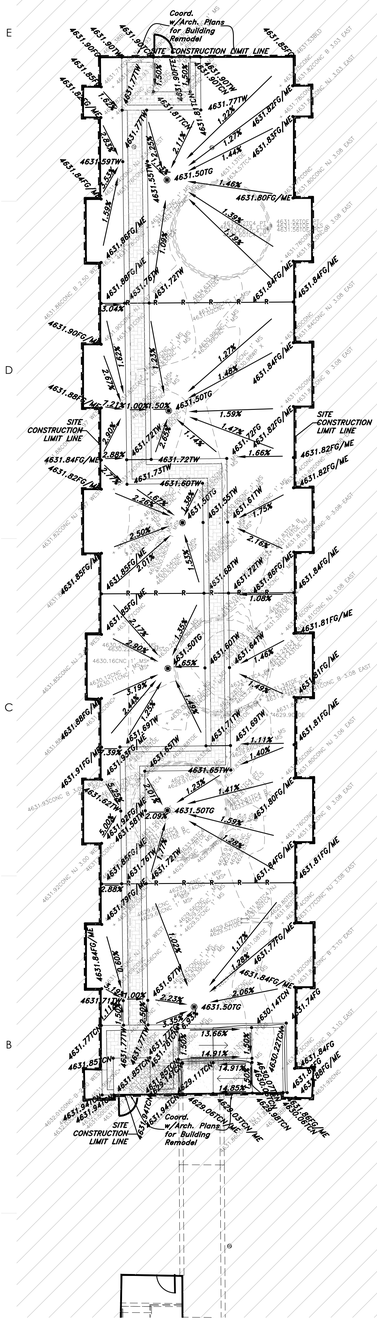
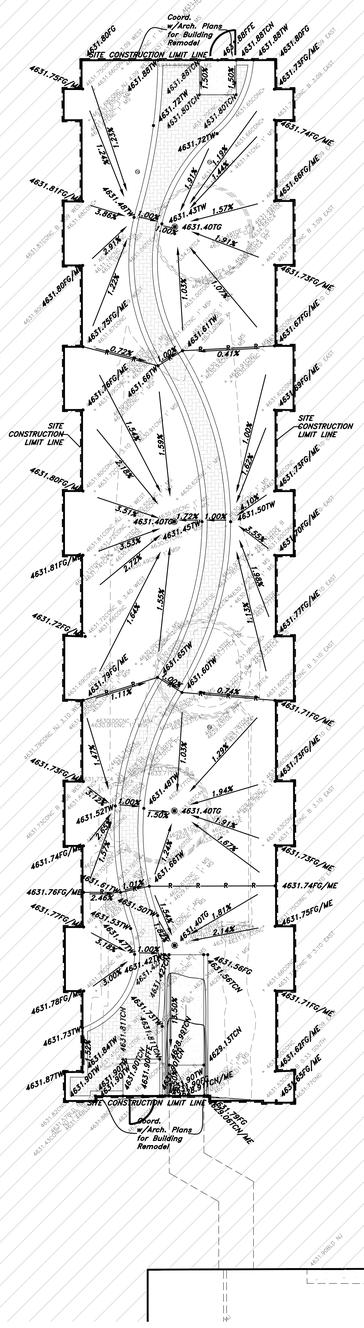
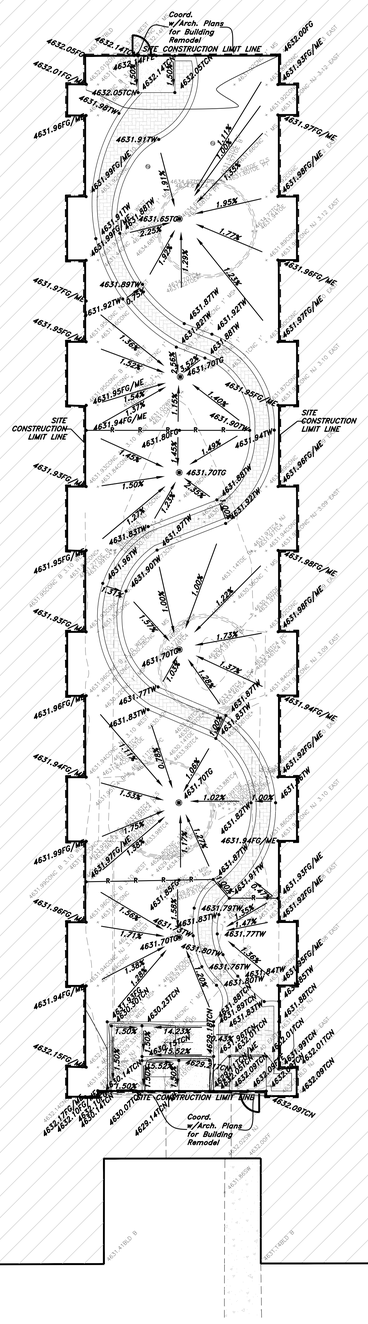


Existing Building



Existing Building



Scale: 1" = 10'

Graphic Scale

Legend

(Note: All items may not appear on drawing)

San. Sewer Manhole	S
Water Manhole	W
Storm Drain Manhole	D
Cleanout	C
Electrical Manhole	E
Catch Basins	
Exist. Fire Hydrant	
Fire Hydrant	
Fire Department Connection	
Post Indicator Valve	
Exist. Water Valve	
Water Valve	
Sanitary Sewer	S
Culinary Water	W
Gas Line	G
Irrigation Line	IW
Storm Drain	SD
Telephone Line	T
Secondary Waterline	SW
Power Line	P
Fire Line	F
Land Drain	LD
Power pole	
Power pole w/guy	
Light Pole	
Fence	
Flowline of ditch	
Overhead Power line	OHP
Corrugated Metal Pipe	CMP
Concrete Pipe	CP
Reinforced Concrete Pipe	RCP
Ductile Iron	DI
Polyvinyl Chloride	PVC
Top of Asphalt	TA
Edge of Asphalt	EA
Centerline	CL
Flowline	FL
Finish Floor	FF
Top of Curb	TC
Top of Wall	TW
Top of Walk	TW
Top of Concrete	TCN
Natural Ground	NG
Finish Grade	FG
Match Existing	ME
Fire Department Connection	FDC
Finish Contour	90
Exist. Contour	90
Finish Grade	95.53TA
Exist. Grade	95.72TA
Ridge Line	R
Direction of Flow	
Existing Asphalt	
New Asphalt	
Heavy Duty Asphalt	
Existing Concrete	
New Concrete	
Demo'd Road Base	
Spill Curb & Gutter	
Demo Tree	
Tree To Remain In Place	

GENERAL GRADING NOTES:

1. All work shall be in accordance with the City Public Works Standard.
2. Cut slopes shall be no steeper than 2 horizontal to 1 vertical.
3. Fill slopes shall be no steeper than 2 horizontal to 1 vertical.
4. Fills shall be compacted per the recommendations of the geotechnical report prepared for the project and shall be certified by the geotechnical engineer.
5. Areas to receive fill shall be properly prepared and approved by the City inspector and geotechnical Engineer prior to placing fill.
6. Fills shall be benched into competent material as per specifications and geotechnical report.
7. All trench backfill shall be tested and certified by the site geotechnical engineer per the grading code.
8. A geotechnical engineer shall perform periodic inspections and submit a complete report and map upon completion of the rough grading.
9. The final compaction report and certification from the geotechnical engineer shall contain the type of field testing performed. Each test shall be identified with the method of obtaining the in-place density, whether sand cone or drive ring and shall be so noted for each test. Sufficient maximum density determinations shall be performed to verify the accuracy of the maximum density curves used by the field technician.
10. Dust shall be controlled by watering.
11. The location and protection of all utilities is the responsibility of the permitee.
12. Approved protective measures and temporary drainage provisions must be used to protect adjoining properties during the grading project.
13. All public roadways must be cleared daily of all dirt, mud and debris deposited on them as a result of the grading operation. Cleaning is to be done to the satisfaction of the city engineer.
14. The site shall be cleared and grubbed of all vegetation and deleterious matter prior to grading.
15. The contractor shall provide shoring in accordance with OSHA requirements for trench walls.
16. Aggregate base shall be compacted per the geotechnical report prepared for the project.
17. Elevations shown on this plan are finish grades. Rough grades are the subgrades of the improvements shown hereon.
18. As part of the construction documents, owner has provided contractor with a topographic survey performed by manual or aerial means. Such survey was prepared for project design purposes and is provided to the contractor as a courtesy. It is expressly understood that such survey may not accurately reflect existing topographic conditions.
19. Erosion Control: Protect all inlet boxes, catch basins, etc. with straw bales or other approved method to strain the storm water during construction. Protect surrounding properties and streets from site runoff with sandbags and earth berms.

ADA NOTES:

1. Contractor must maintain a running slope on Accessible routes no steeper than 5.0% (1:20).
2. The cross slope for Accessible routs must be no steeper than 2.0% (1:50). All Accessible routes must have a minimum clear width of 36".
3. The Client, Contractor, and Subcontractor should immediately notify the Consultant of any conditions of the project that they believe do not comply with the current state of the ADA and/or FHAA.

CAUTION NOTICE TO CONTRACTOR

The contractor is specifically cautioned that the location and/or elevation of existing utilities as shown on these plans are based on records of the various utility companies and, where possible, measurements taken in the field. The information is not to be relied on as being exact or complete. The contractor must call the appropriate utility company at least 48 hours before any excavation to request exact field location of utilities. It shall be the responsibility of the contractor to relocate all existing utilities which conflict with the propose improvements shown on the plans.

ALL CONSTRUCTION TO CONFORM TO CITY STANDARDS AND SPECIFICATIONS IN RIGHT OF WAY

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Ogden Regional Medical Center
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NJRA Project # 17302.00
Construction Documents February 16, 2018

Grading & Drainage Plan

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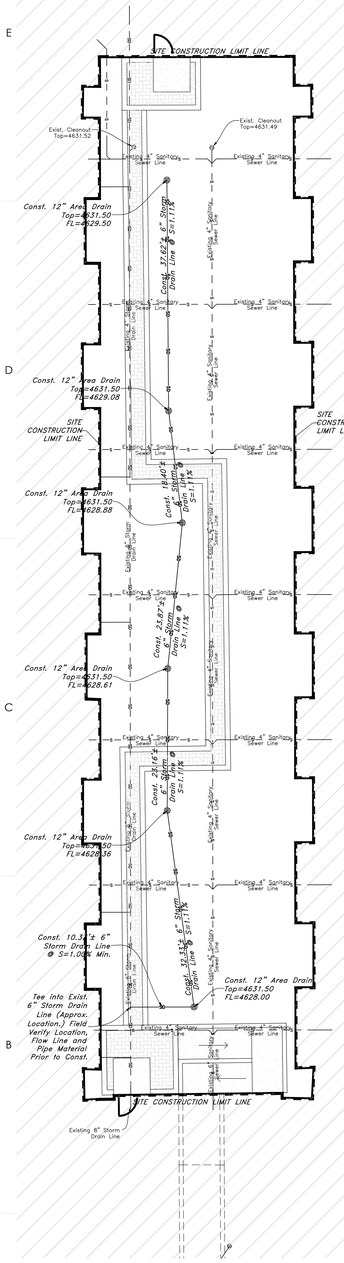
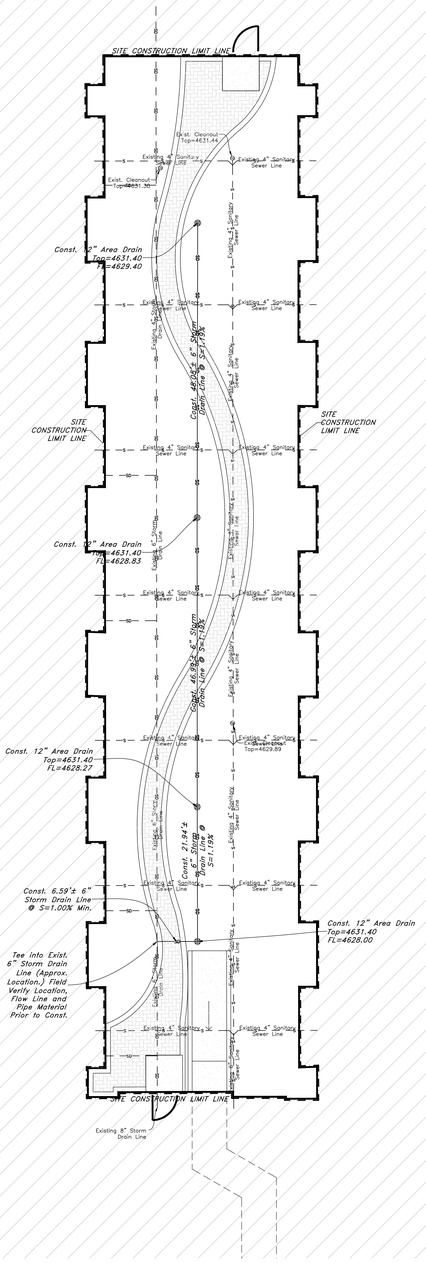
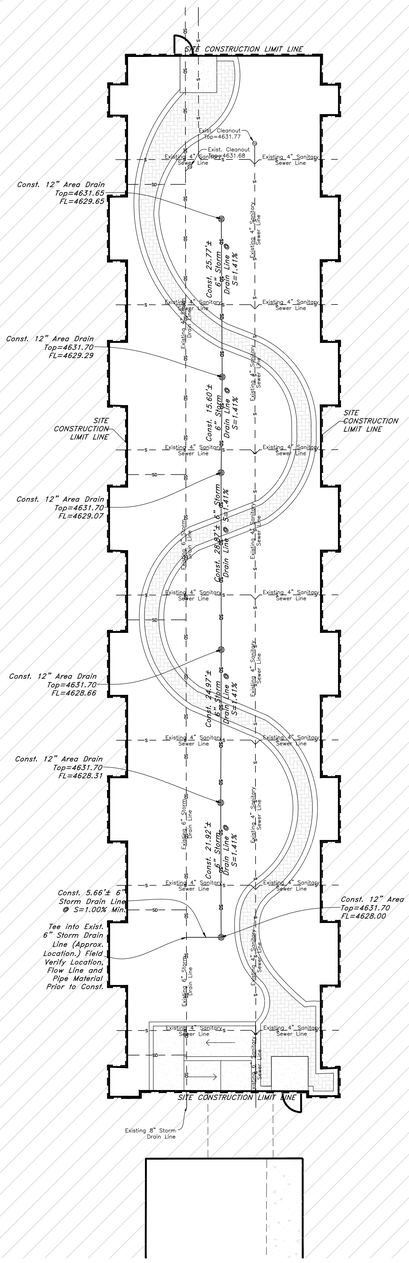


Existing Building



Existing Building



Legend

(Note: All items may not appear on drawing)

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Water Manhole	W
Storm Drain Manhole	D
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Exist. Fire Hydrant	
Fire Hydrant	
Fire Department Connection	
Post Indicator Valve	
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Water Valve	
Sanitary Sewer	S
Culinary Water	W
Gas Line	G
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Secondary Waterline	SW
Power Line	P
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Land Drain	LD
Power pole	
Power pole w/guy	
Light Pole	
Fence	
Flowline of ditch	
Overhead Power line	OHP
Corrugated Metal Pipe	CMP
Concrete Pipe	CP
Reinforced Concrete Pipe	RCP
Ductile Iron	DI
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Flowline	FL
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Top of Wall	TWL
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Top of Concrete	TCN
Natural Ground	NG
Finish Grade	FG
Match Existing	ME
Fire Department Connection	FDC
Finish Contour	90
Exist. Contour	90
Finish Grade	95.33TA
Exist. Grade	95.72TA
Ridge Line	R
Direction of Flow	
Existing Asphalt	
New Asphalt	
Heavy Duty Asphalt	
Existing Concrete	
New Concrete	
Demo'd Road Base	
Spill Curb & Gutter	
Demo Tree	
Tree To Remain in Place	

GENERAL UTILITY NOTES:

1. Coordinate all utility connections to building with plumbing plans and building contractor.
2. Verify depth and location of all existing utilities prior to constructing any new utility lines. Notify Civil Engineer of any discrepancies or conflicts prior to any connections being made.
3. All catch basin and inlet box grates are to be bicycle proof.
4. All inlet boxes located in curb and gutter are to be placed parallel to the curb and gutter and set under the frame and grate. Improperly placed boxes will be removed and replaced at no additional cost to the owner. Precast or cast in place boxes are acceptable.
5. Refer to the site electrical plan for details and locations of electrical lines, transformers and light poles.
6. Gas lines, telephone lines, and cable TV lines are not a part of these plans unless otherwise noted.
7. Water meters are to be installed per city standards and specifications. It will be the contractor's responsibility to install all items required.
8. Water lines, valves, fire hydrants, fittings etc. are to be constructed as shown. Contractor is responsible to construct any vertical adjustments necessary to clear sewer, storm drain or other utilities as necessary including valve boxes and hydrant spools to proper grade.
9. Field verify all existing storm drain lines including pipe location, depth, material and size. Notify Engineer of any discrepancies.
10. Field verify all existing and/or proposed Roof Drain/Roof Drain down spout connections to Storm Water System with Civil, Plumbing & Architectural plans. Notify Engineer of any discrepancies.
11. All gravity flow utility lines shall be installed prior to any pressurized utilities unless written permission is obtained from the engineer of record before construction begins.

UTILITY PIPING MATERIALS:

All piping to be installed per manufacturers recommendations. Refer to project specifications for more detailed information regarding materials, installation, etc.

STORM DRAIN LINES

1. 10" pipes or smaller – Polyvinyl Chloride (PVC) sewer pipe, ASTM D3034, Type PSM, SDR 35

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Construction Documents February 16, 2018

Utility Plan

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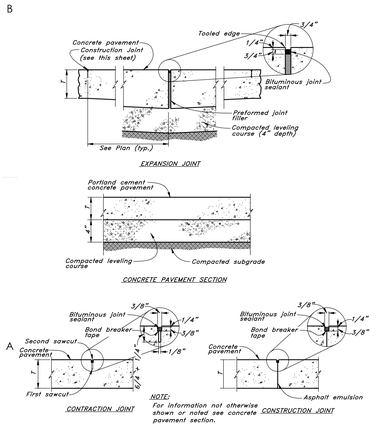
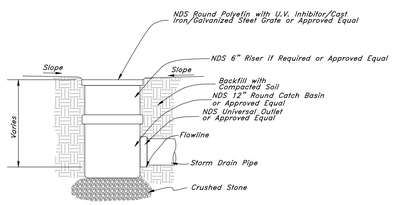
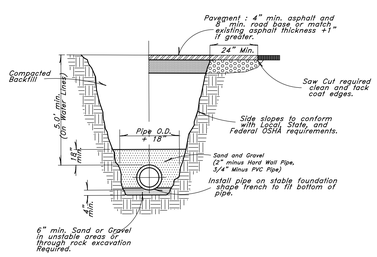


1 Portland Cement Concrete Pavement
Drive & Parking Areas
Not to Scale



2 12" Area Drain
Not to Scale



3 Typical Trench Detail
Not to Scale

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Detail Sheet

C500

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PLANT SCHEDULE						
TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
	ACE BLO	Acer palmatum 'Autumn Moon' / Autumn Moon Full Moon Japanese Maple 12'H x 8'W	B & B	1.5"Cal		2
	ACE BUT	Acer palmatum 'Butterfly' / Butterfly Japanese Maple 9'H x 6'W	B & B	1.5"Cal		1
	ACE SAN	Acer palmatum 'Sango Kaku' / Coral Bark Maple	B & B	2"Cal		2
	AME GR3	Amelanchier x grandiflora 'Autumn Brilliance' / 'Autumn Brilliance' Serviceberry	15 gal	2"Cal		2
	CER FOR	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud 3 TRUNK MINIMUM	B & B	2"Cal		1
	CHA GRA	Chamaecyparis obtusa 'Gracilis' / Slender Hinoki Cypress 12'H x 5'W	B & B	6"Cal		2
	COR HEA	Cornus kousa 'Heartthrob' / Heartthrob Korean Dogwood	B & B	1.5"Cal		1
	JUN PF7	Juniperus chinensis 'Pfitzeriana' / Pfitzer Juniper	B & B		4'-H	2
	PIN POM	Pinus sylvestris 'Pom Pom' / Scotch Pine 'Pom Pom'	15 gal		6'-7'	3
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	FIELD3	QTY
	ACE RE3	Acer palmatum 'Red Dragon' / Red Dragon Japanese Maple	15 gal			1
	ARC MAS	Arctostaphylos uva-ursi 'Massachusetts' / Massachusetts Manzanita	2 gal			41
	AST VI3	Astilbe chinensis 'Visions in Pink' / Chinese Astilbe 14"H x 12"W	1 gal			22
	AST SNO	Astilbe x arendsii 'Snowdrift' / Snowdrift Astilbe 2'H x 1.5'W	1 gal			13
	CAR EL2	Carex elata 'Bowles Golden' / Bowles Golden Sedge	1 gal			21
	DAP BUR	Daphne x burkwoodii 'Carol Mackie' / Carol Mackie Daphne	2 gal			3
	EUO MOO	Euonymus fortunei 'Moonshadow' TM / Moonshadow Euonymus 3'H x 5'W	2 gal			5
	FAR MUR	Fargesia murieliae / Bamboo Clumping	5 gal			5
	LIR BIG	Liriope muscari 'Big Blue' / Big Blue Lilyturf	1 gal			21
	MUH LE2	Muhlenbergia capillaris 'Lenca' / Regal Mist Pink Muhly	2 gal			18
	OPH PLA	Ophiopogon planiscapus 'Nigrescens' / Black Mondo Grass	1 gal			22
	RHO LO6	Rhododendron x 'Lord Roberts' / Lord Roberts Rhododendron	5 gal			2
	RHO PU2	Rhododendron x 'Purple Gem' / Rhododendron	5 gal			2
	TAX EVE	Taxus x media 'Everlow' / Yew	5 gal			15
	THY DO3	Thymus doerfleri 'Doone Valley' / Doone Valley Creeping Thyme	1 gal			30
	VIB PLI	Viburnum plicatum tomentosum 'Summer Snowflake' / Doublefile Viburnum	5 gal			2
	VIB BU2	Viburnum x burkwoodii 'Anne Russell' / Anne Russell Burkwood Viburnum	5 gal			2

LEGEND

PROPOSED CONTOURS; 1' INTERVALS

PLANER AREA

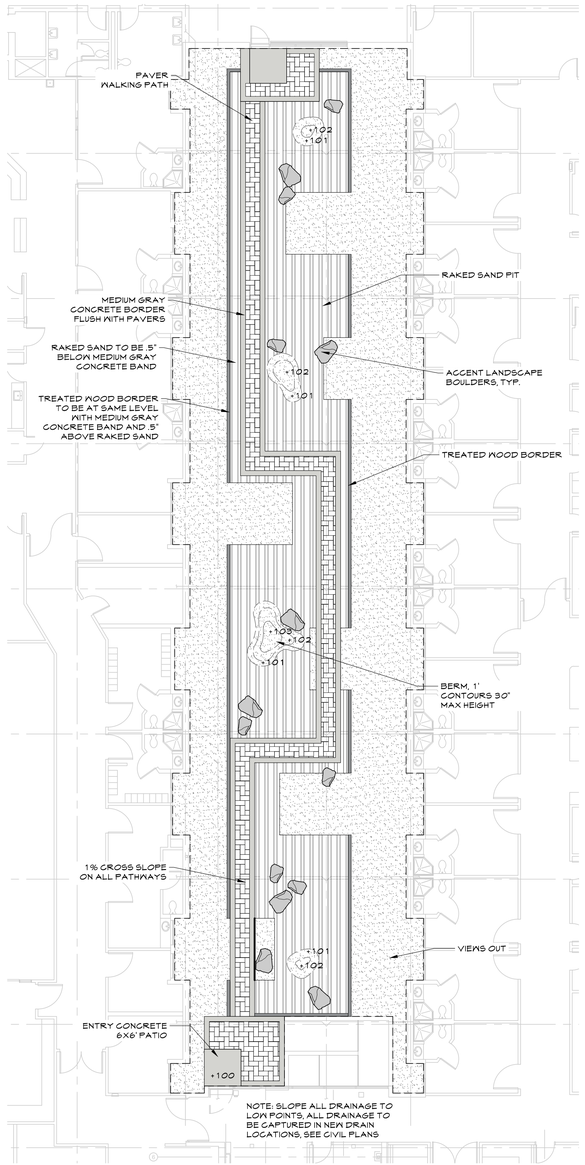
RAKED SAND PIT

PAVERS: LAFITT GRANA SLAB, ASPEN COLOR, PATTERN C, OR APPROVED OTHER BY OWNER

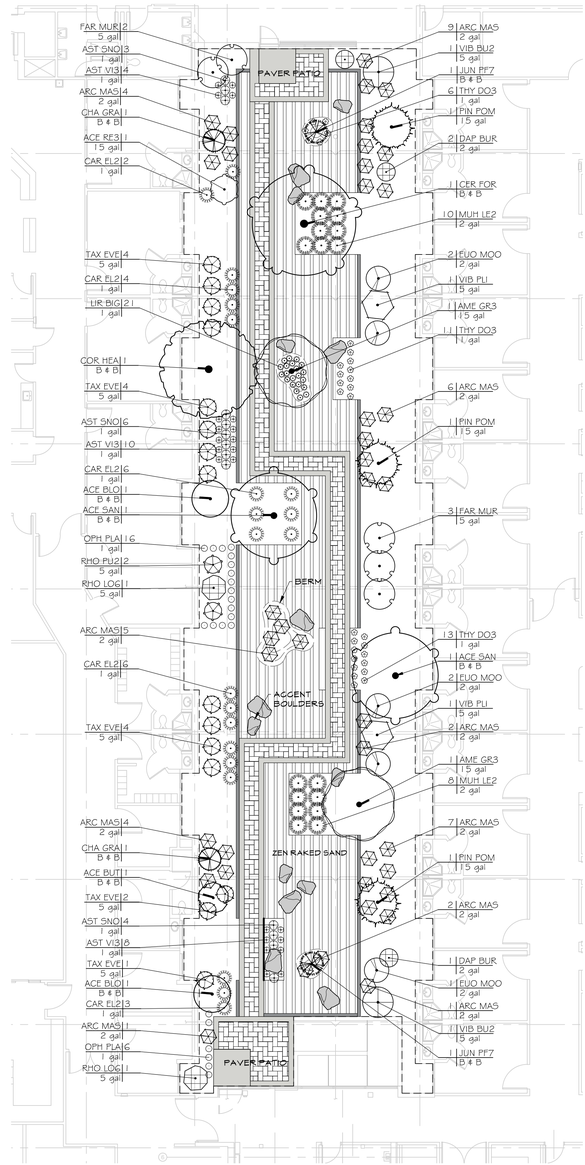
ACCENT BOULDERS

NOTE:
- ALL BERMS NOT TO EXCEED A 3:1 SLOPE.
- ALL BERMS TO HAVE ORGANIC FORM WITH NATURAL TRANSITION BETWEEN GRANDE CHANGES.
- DIRECT ALL DRAINAGE ONSITE TO EXISTING STORM DRAINS.
- ALL LANDSCAPE ELEMENTS TO BE INSTALLED PER DETAILS, SPECIFICATIONS, AND MANUFACTURE'S SUGGESTED INSTALLATION GUIDELINES.
- ALL BELGARD HOLLAND PAVERS TO BE REUSED. PRESERVE & PROTECT, STORE ON SITE IN SAFE AND ACCESSIBLE LOCATION. COORDINATE WITH GENERAL CONTRACTOR.

SITE PLAN



PLANTING PLAN



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SCALE: 1" = 10'

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State of Utah — WILLET C HOWARD — 8426498-5301 — 8.8.18 — Licensed Landscape Architect

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MANSTACKROCKGROUP.COM

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Ogden Regional Medical Center
Courtyard Remodel

5475 South 500 East
Ogden, Utah 84405

NJRA Project # 17302.00
Construction Documents March 08, 2018

ZEN CONCEPT LANDSCAPE PLAN

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PLANT SCHEDULE					
TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	QTY
	ACE BLO	Acer palmatum 'Autumn Moon' / Autumn Moon Full Moon Japanese Maple 12'H x 8'W	B & B	2"Cal	4
	ACE SAN	Acer palmatum 'Sango Kaku' / Coral Bark Maple	B & B	2"Cal	3
	CER FOR	Cercis canadensis 'Forest Pansy' TM / Forest Pansy Redbud 3 TRUNK MINIMUM	B & B	2"Cal	2
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	CONT		QTY
	ATH BUR	Athyrium nipponicum 'Burgundy Lace' / Burgundy Lace Japanese Painted Fern	1 gal		13
	DAP BUR	Daphne x burkwoodii 'Carol Mackie' / Carol Mackie Daphne	2 gal		23
	EUO MOO	Euonymus fortunei 'Moonshadow' TM / Moonshadow Euonymus 3'H x 5'W	2 gal		12
	HEL BLU	Helictotrichon sempervirens 'Blue Oats' / Blue Oat Grass	1 gal		15
	MAH REP	Mahonia repens / Creeping Mahonia	2 gal		14
	MUH LE2	Muhlenbergia capillaris 'Lenca' / Regal Mist Pink Muhly	2 gal		11
	OPH PLA	Ophiopogon planiscapus 'Nigrescens' / Black Mondo Grass	1 gal		45
	RHO LO6	Rhododendron x 'Lord Roberts' / Lord Roberts Rhododendron	5 gal		6
	SAM BLT	Sambucus nigra 'Black Tower / Black Tower Sambucus	5 gal		6
	THY DO3	Thymus doerfleri 'Doone Valley' / Doone Valley Creeping Thyme	1 gal		22

LEGEND

PROPOSED CONTOURS; 1' INTERVALS

PLANER AREA

DECOMPOSED GRANITE

PAVERS: LAFITT GRANA SLAB, ASPEN COLOR, PATTERN C, OR APPROVED OTHER BY OWNER

ACCENT BOULDERS

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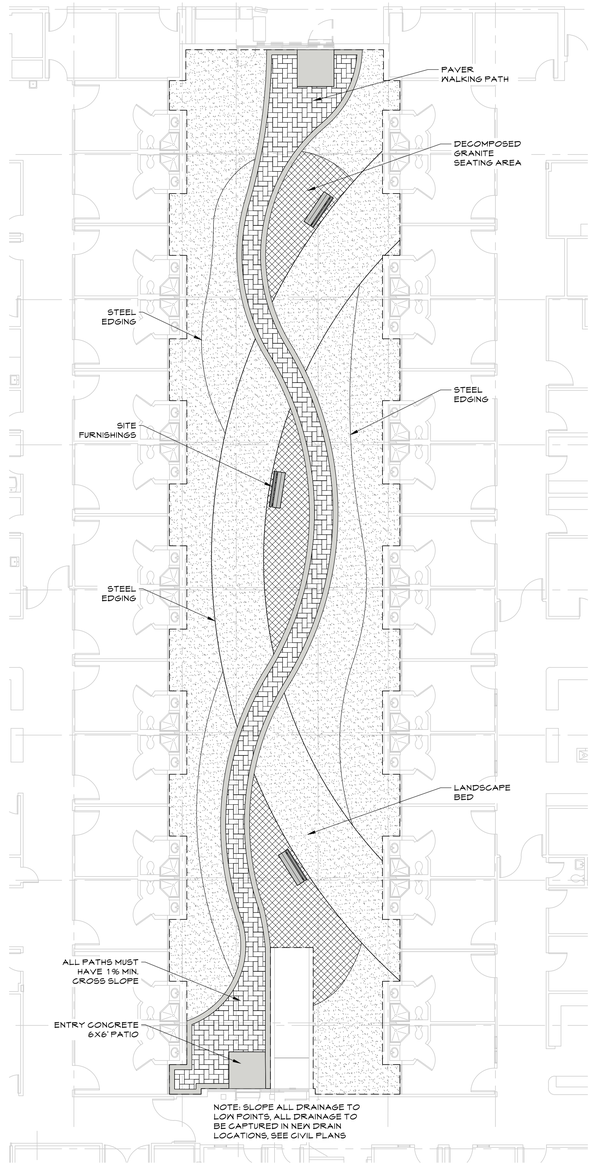
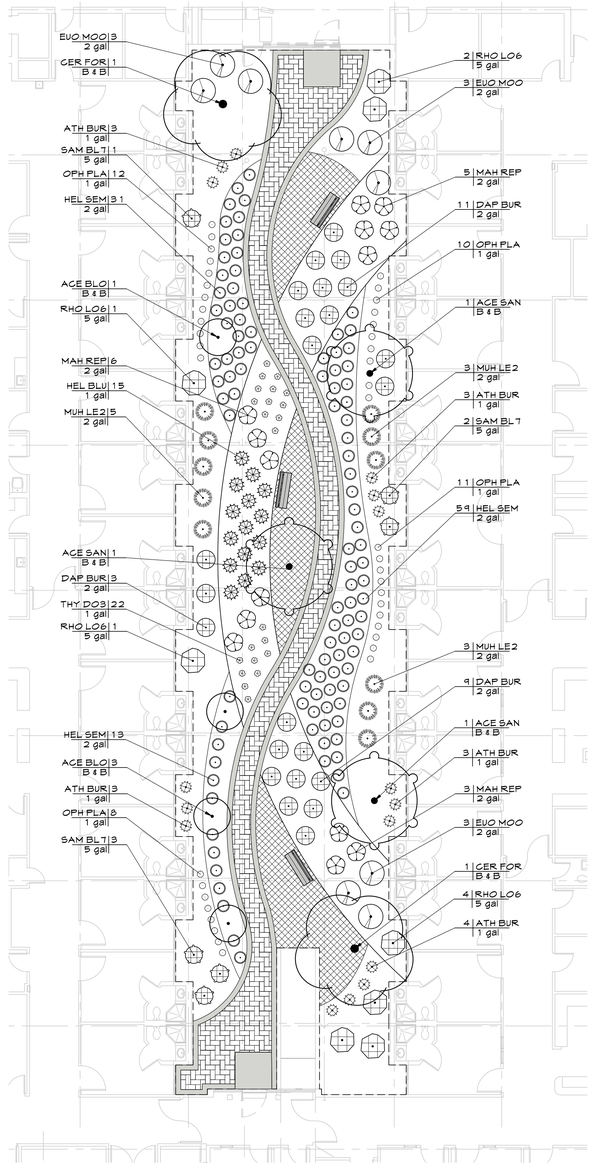


PLANTING PLAN



0 10 20 30 feet

SCALE: 1" = 10'

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FLOW CONCEPT LANDSCAPE PLAN

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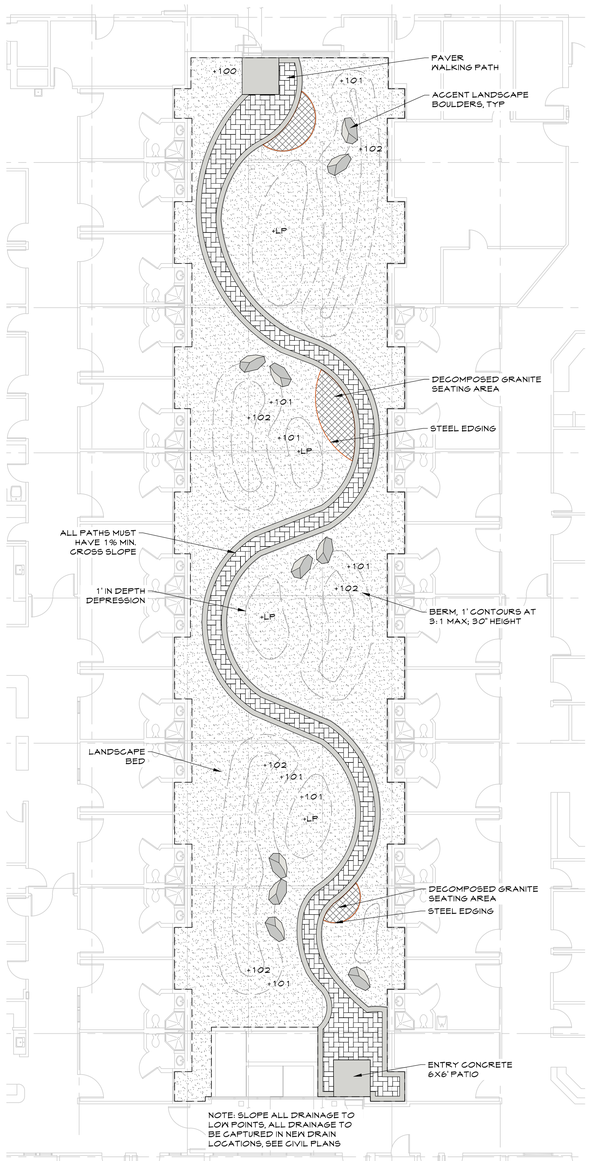
PLANT SCHEDULE						
TREES	CODE	BOTANICAL NAME / COMMON NAME	CONT	CAL	SIZE	QTY
	BET CUL	Betula nigra `Cully` TM / Heritage Birch Multi-stem	B & B	2.5"Cal		2
	PIC LAY	Picea pungens `Layered` / Layered Colorado Blue Spruce	B & B		8`-9`H X 3`-4`W	5
	PRU CAN	Prunus virginiana `Canada Red` / Canada Red Chokecherry MULTI-TRUNK	B & B	2"Cal		1
SHRUBS	CODE	BOTANICAL NAME / COMMON NAME	SIZE	FIELD2	FIELD3	QTY
	BUD M12	Buddleja davidii `Miss Molly` / Miss Molly Butterfly Bush	5 gal			7
	CEN JUP	Centranthus ruber `Albiflorous` / Jupiter`s Beard	1 gal			9
	COR SIB	Cornus alba `Sibirica` / Redbark Dogwood	5 gal			12
	HEL SEM	Helictotrichon sempervirens / Blue Oat Grass	2 gal			9
	HYD LIM	Hydrangea paniculata `Limelight` TM / Limelight Hydrangea	5 gal			9
	LAV HI2	Lavandula angustifolia `Hidcote Blue` / Hidcote Blue Lavender	1 gal			18
	PEN HAM	Pennisetum alopecuroides `Hameln` / Hameln Dwarf Fountain Grass	1 gal			30
	RHU GRO	Rhus aromatica `Gro-Low` / Gro-Low Fragrant Sumac	5 gal	2` H x 8` W		10
	SAL NEM	Salvia nemorosa `East Friesland` / East Friesland Perennial Sage	1 gal			11
	TAX REP	Taxus baccata `Repandens` / Spreading English Yew	5 gal			4

LEGEND

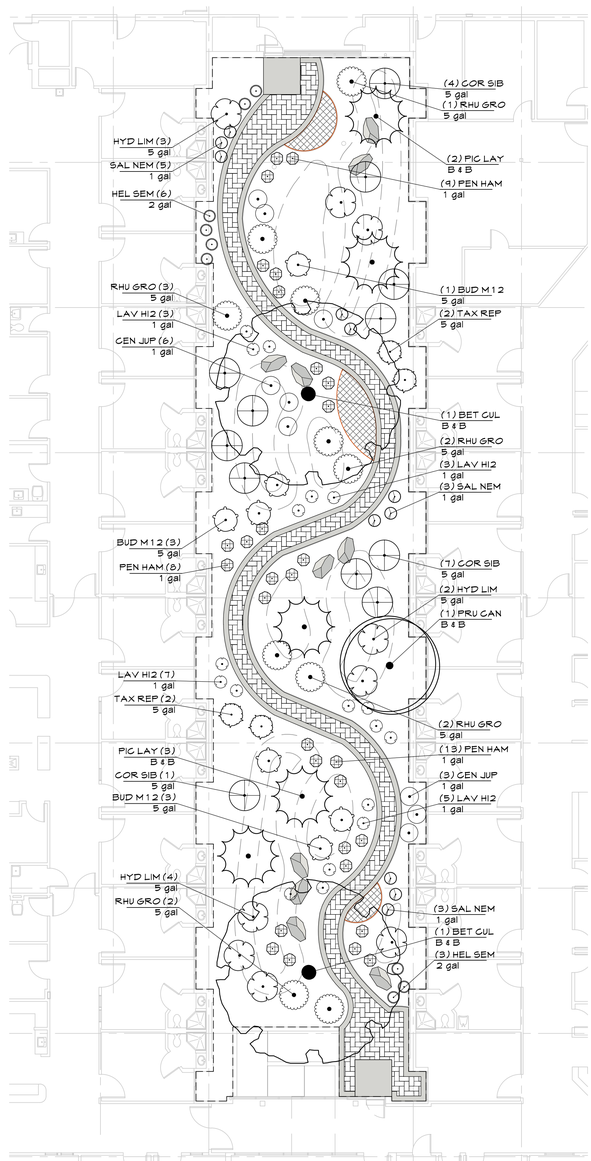
- PROPOSED CONTOURS; 1' INTERVALS
- PLANER AREA
- DECOMPOSED GRANITE
- PAVERS: LAFITT GRANA SLAB, ASPEN COLOR, PATTERN C, OR APPROVED OTHER BY OWNER
- ACCENT BOULDERS

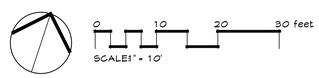
NOTE:
- ALL BERMS NOT TO EXCEED A 3:1 SLOPE.
- ALL BERMS TO HAVE ORGANIC FORM WITH NATURAL TRANSITION BETWEEN GRANDE CHANGES.
- DIRECT ALL DRAINAGE ONSITE TO EXISTING STORM DRAINS.
- ALL LANDSCAPE ELEMENTS TO BE INSTALLED PER DETAILS, SPECIFICATIONS, AND MANUFACTURES SUGGESTED INSTALLATION GUIDELINES.
- ALL BELGARD HOLLAND PAVERS TO BE REUSED. PRESERVE & PROTECT, STORE ON SITE IN SAFE AND ACCESSIBLE LOCATION. COORDINATE WITH GENERAL CONTRACTOR.

SITE PLAN



PLANTING PLAN





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NATURAL CONCEPT LANDSCAPE PLAN

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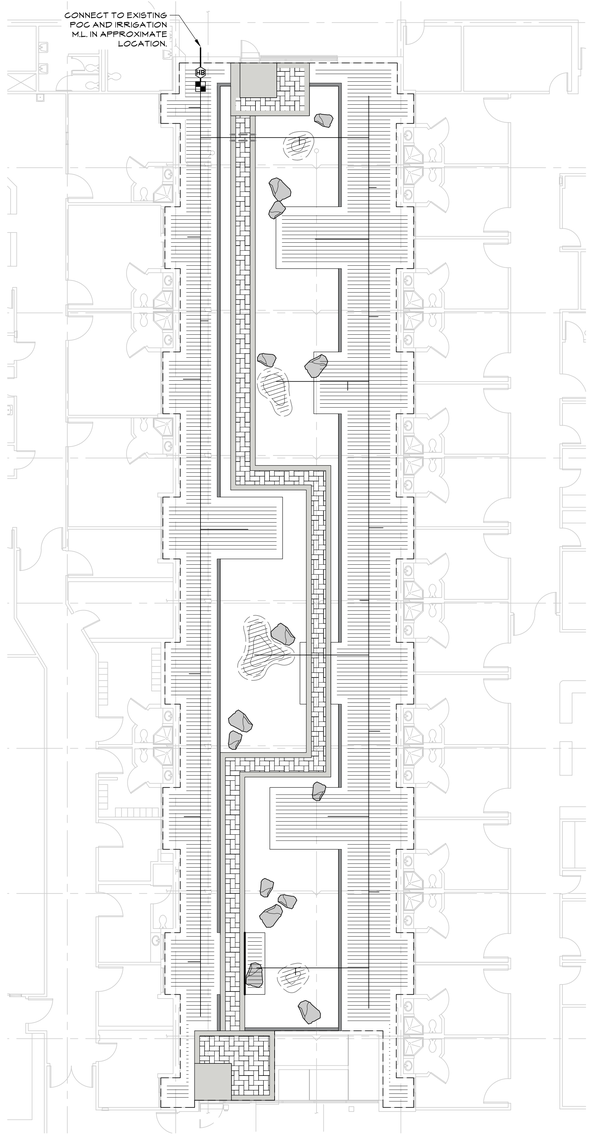
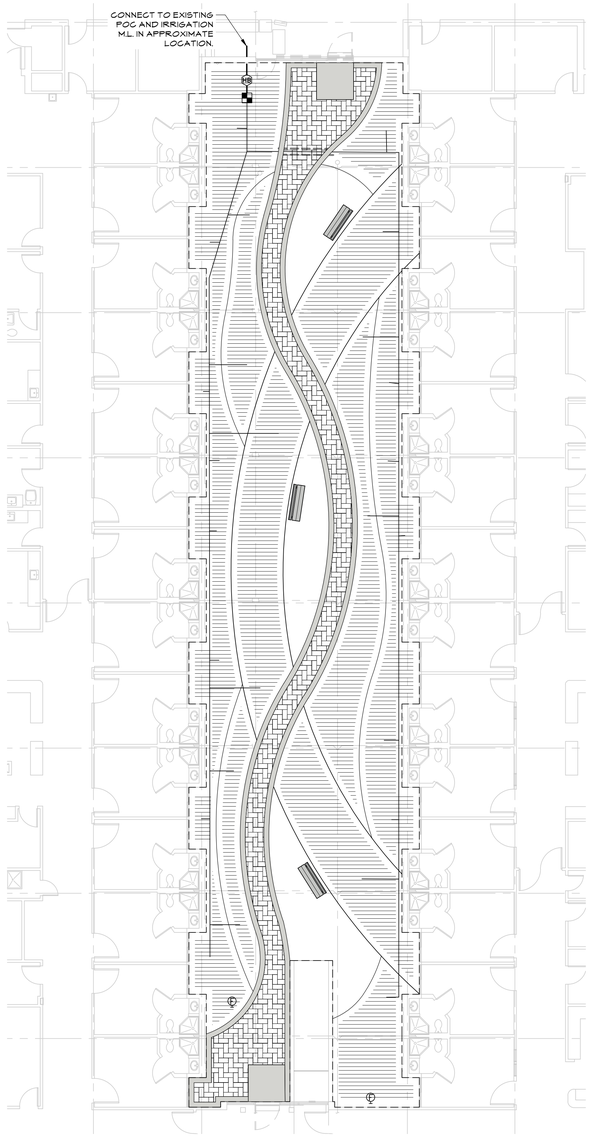
ZEN - IRRIGATION PLAN



IRRIGATION SCHEDULE			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	Hunter ICZ-101-25 Drip Control Zone Kit. 1" ICV Globe Valve with 1" HY100 filter system. Pressure Regulation: 25psi. Flow Range: 2 GPM to 20 GPM. 150 mesh stainless steel screen.	1	/
	Area to Receive Dripline Netafim TLCV-04-18(18) Techline Pressure Compensating Landscape Dripline with Check Valve. 0.46PH emitters at 18.0" O.C. Dripline laterals spaced at 18.0" apart, with emitters offset for triangular pattern. 17mm.	2,534 s.f.	/
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
HB	Matco-Norca 207TM 1/2"-3/4" Brass No Kink Hose Bibb. MIP Fitting. Same size as mainline pipe.	1	/
	Irrigation Lateral Line: CPVC Schedule 40	431.5 l.f.	
— — — —	Irrigation Mainline: PVC Schedule 40	6.3 l.f.	

Valve Callout
- Valve Number
- Valve Flow
- Valve Size

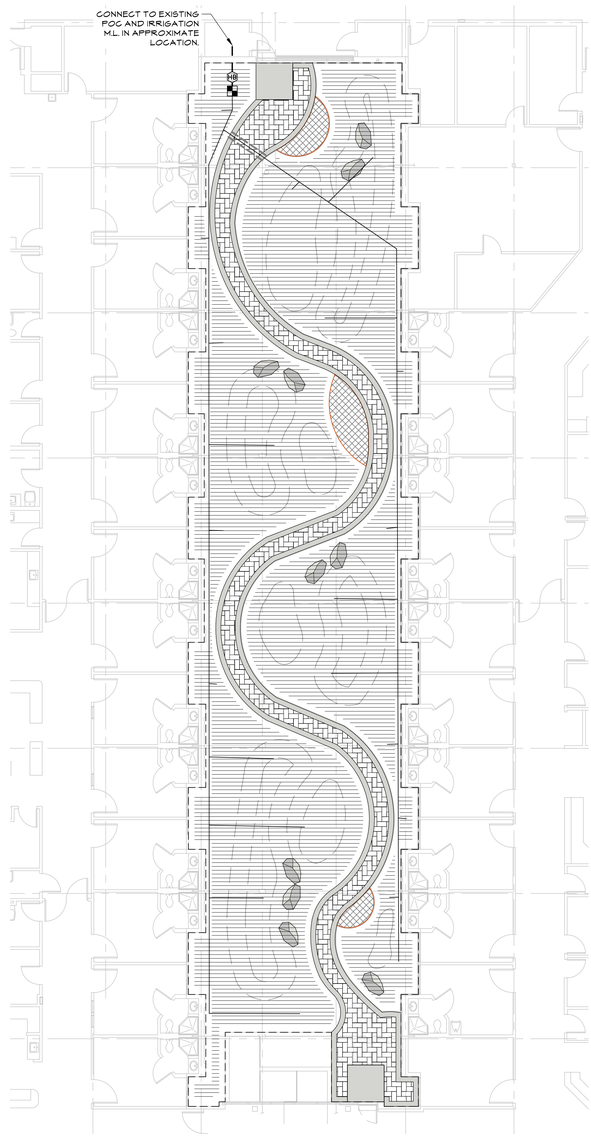
FLOW - IRRIGATION PLAN



IRRIGATION SCHEDULE			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	Hunter ICZ-101-25 Drip Control Zone Kit. 1" ICV Globe Valve with 1" HY100 filter system. Pressure Regulation: 25psi. Flow Range: 2 GPM to 20 GPM. 150 mesh stainless steel screen.	1	/
	Netafim TLFV-1 Automatic Flush Valve, with insert inlet	2	/
	Area to Receive Dripline Netafim TLCV-04-18(18) Techline Pressure Compensating Landscape Dripline with Check Valve. 0.46PH emitters at 18.0" O.C. Dripline laterals spaced at 18.0" apart, with emitters offset for triangular pattern. 17mm.	2,414 s.f.	/
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
HB	Matco-Norca 207TM 1/2"-3/4" Brass No Kink Hose Bibb. MIP Fitting. Same size as mainline pipe.	1	/
	Irrigation Lateral Line: CPVC Schedule 40	384.2 l.f.	
— — — —	Irrigation Mainline: PVC Schedule 40	11.4 l.f.	
=========	Pipe Sleeve: PVC Class 200 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.	8.9 l.f.	

Valve Callout
- Valve Number
- Valve Flow
- Valve Size

NATURAL - IRRIGATION PLAN



IRRIGATION SCHEDULE			
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
	Hunter ICZ-101-25 Drip Control Zone Kit. 1" ICV Globe Valve with 1" HY100 filter system. Pressure Regulation: 25psi. Flow Range: 2 GPM to 20 GPM. 150 mesh stainless steel screen.	1	/
	Area to Receive Dripline Netafim TLCV-04-18(18) Techline Pressure Compensating Landscape Dripline with Check Valve. 0.46PH emitters at 18.0" O.C. Dripline laterals spaced at 18.0" apart, with emitters offset for triangular pattern. 17mm.	3,575 s.f.	/
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	DETAIL
HB	Matco-Norca 207TM 1/2"-3/4" Brass No Kink Hose Bibb. MIP Fitting. Same size as mainline pipe.	1	/
	Irrigation Lateral Line: CPVC Schedule 40	421.2 l.f.	
— — — —	Irrigation Mainline: PVC Schedule 40	7.2 l.f.	
=========	Pipe Sleeve: PVC Class 200 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.	6.7 l.f.	

Valve Callout
- Valve Number
- Valve Flow
- Valve Size

0 10 20 30 feet
SCALE: 1" = 10'

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IRRIGATION PLANS

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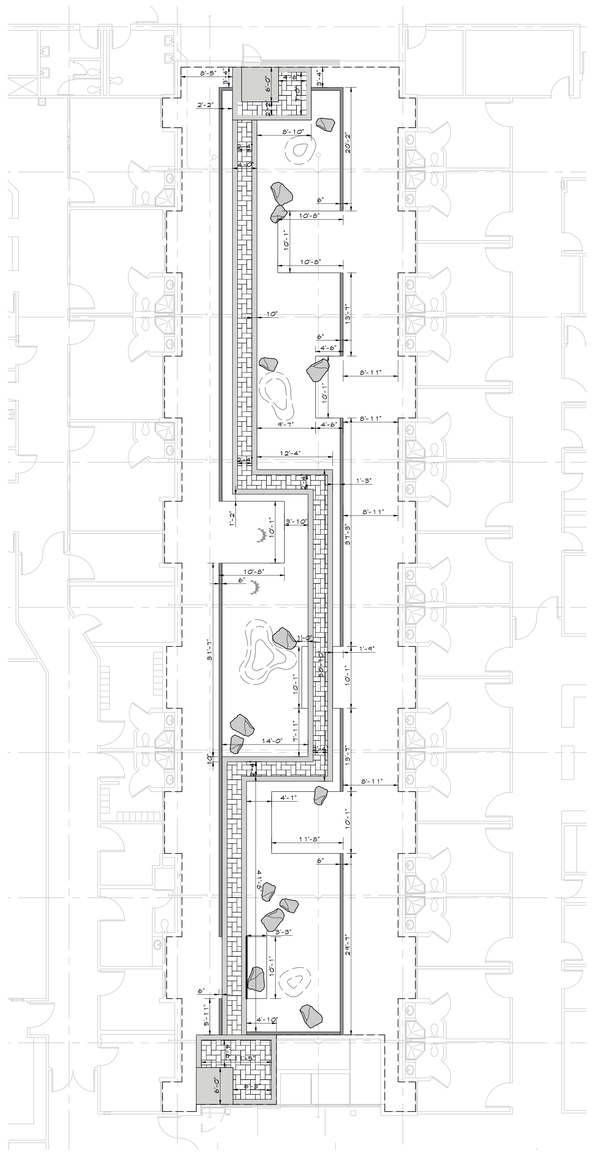
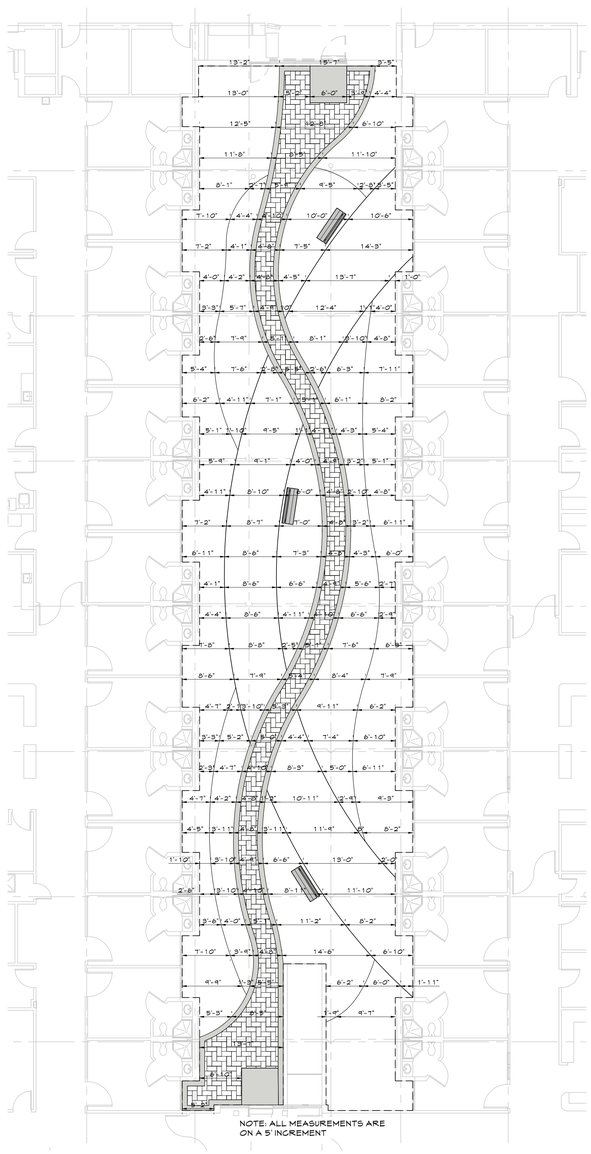
ZEN - LAYOUT PLAN

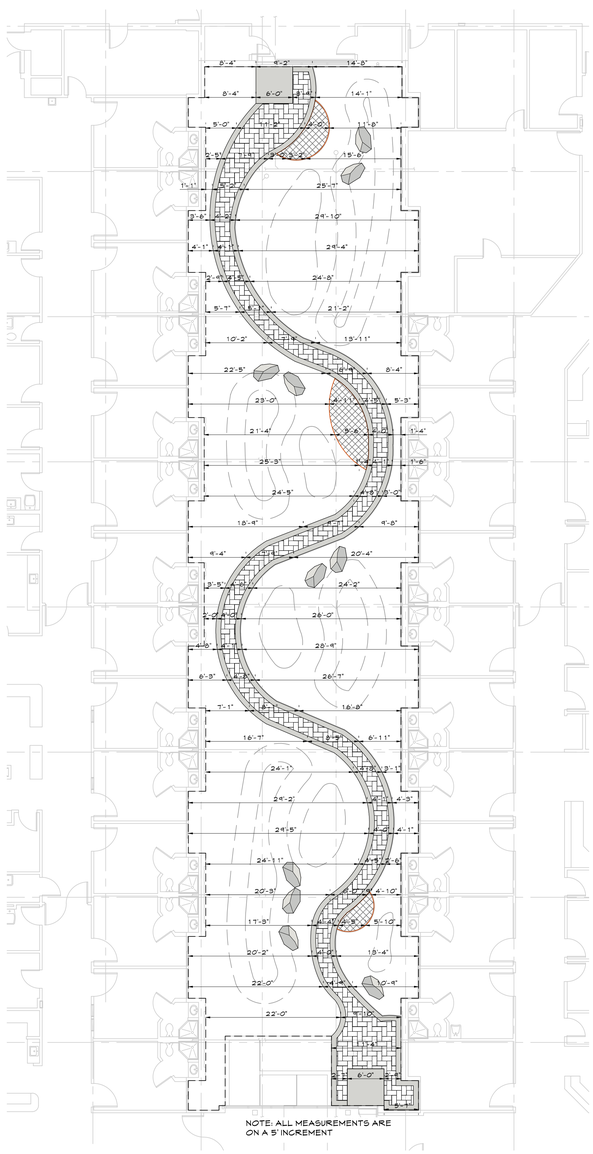


FLOW - LAYOUT PLAN



NOTE: ALL MEASUREMENTS ARE ON A 5' INCREMENT

NATURAL - LAYOUT PLAN



NOTE: ALL MEASUREMENTS ARE ON A 5' INCREMENT

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LAYOUT PLANS

0 10 20 30 feet
SCALE: 1" = 10'

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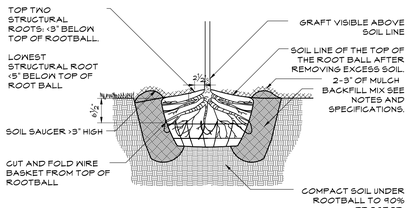
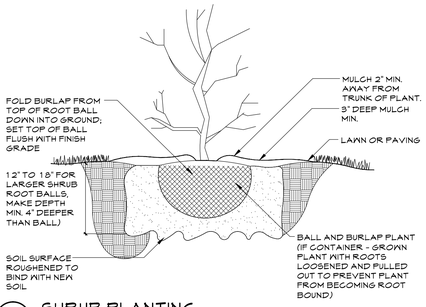
NOTES:
1. DO NOT DAMAGE OR CUT LEADER.
2. DO NOT DISTURB ROOT OR DAMAGE ROOT BALL WHEN INSTALLING TREE OR TREE STAKES.
3. TREE STAKING SHALL BE AT THE DISCRETION OF CONTRACTOR, HOWEVER ANY TREES DISTURBED FROM PLUMB DURING THE PLANT WARRANTEE PERIOD WILL BE REPAIRED OR REPLACED AT CONTRACTOR'S EXPENSE.
4. WATER PLANTS THOROUGHLY IMMEDIATELY AFTER INSTILLATION.
5. REMOVE ALL BURLAP, TWINE, ROPE, OR MATERIAL FROM THE TOP ⅓ OF THE ROOTBALL.
6. 5' DIAMETER PLANTER BED/MULCH RING AROUND THE TRUNK OF THE TREE. 3" OF MULCH MIN. DO NOT PLACE MULCH WITHIN 2" OF TRUNK OF TREE.



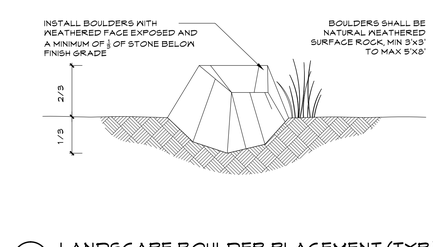
1 BALL AND BURLAP TREE PLANTING
3/4" = 1'-0" 329343.33-05

NOTE:
REMOVE ALL TAGS, TWINE OR OTHER NON BIODEGRADABLE MATERIALS ATTACHED TO PLANT OR ROOT MASS.

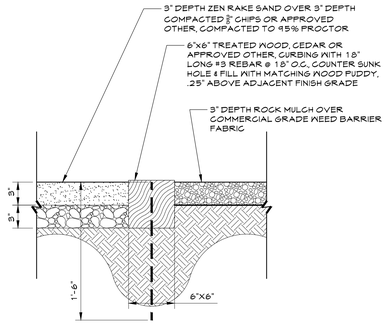
BACKFILL SHALL BE 100% TOPSOIL. WATER SETTLE ALL PLANTINGS TO ENSURE PLANT ROOTBALL MAINTAINS ¾" HEIGHT ABOVE EXISTING SOILS WHEN COMPLETE.



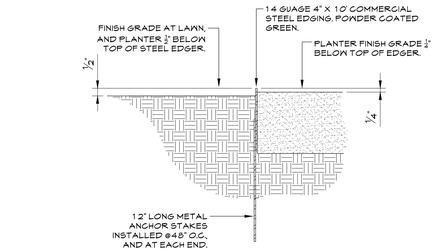
2 SHRUB PLANTING
1" = 1'-0" 329333.16-01



3 LANDSCAPE BOULDER PLACEMENT (TYP)
1" = 1'-0" 329419.15-01

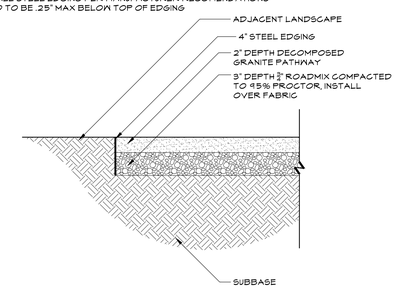


4 ZEN GARDEN WOOD CURBING
1 1/2" = 1'-0" 329010-03

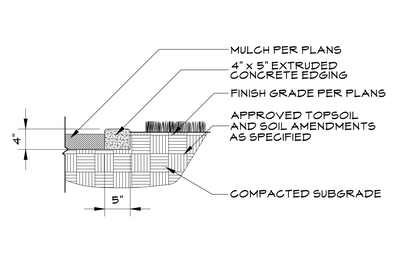


5 STEEL LANDSCAPE EDGING
3" = 1'-0" 329413.12-01

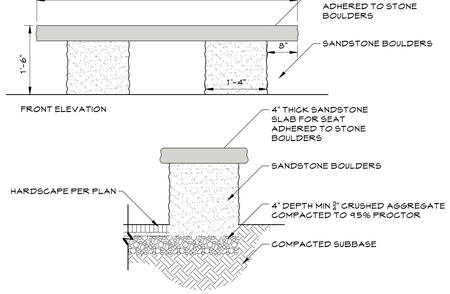
NOTES:
*SAND TO BE DECOMPOSED GRANITE OR APPROVED EQUAL
*INSTALL COMMERICAL GRADE WEED BARRIER FABRIC PER MANUFACTURER RECOMMENDATIONS
*INSTALL STEEL EDGING PER MANUFACTURER RECOMENDATIONS
*SAND TO BE .25" MAX BELOW TOP OF EDGING



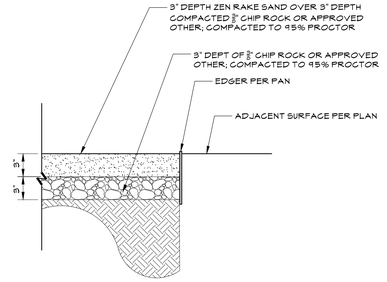
6 DECOMPOSED GRANITE PATIO/PATH
1 1/2" = 1'-0" 323007-05



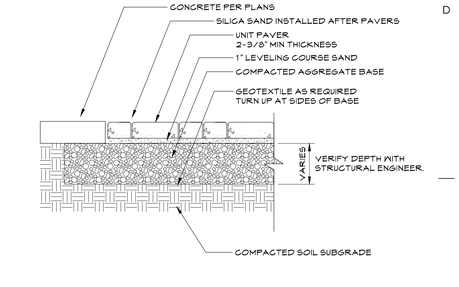
7 EXTRUDED CONCRETE EDGING
1" = 1'-0" 323010-04



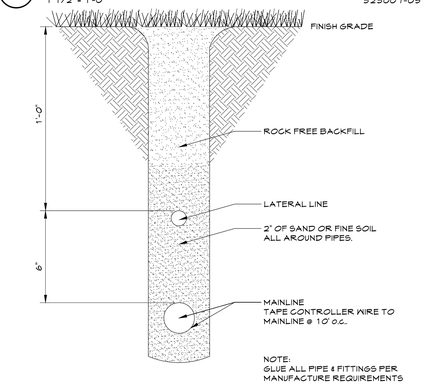
8 STONE SEAT BENCH WITH SANDSTONE CAP
3/4" = 1'-0" 323013-01



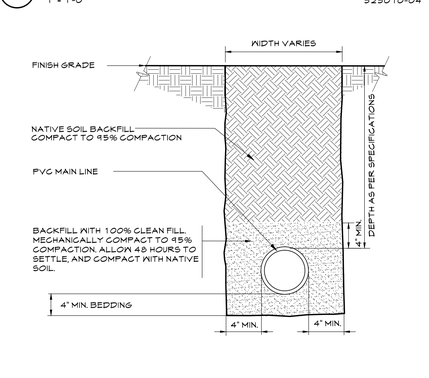
9 SAND SURFACE
1 1/2" = 1'-0" 323007-06



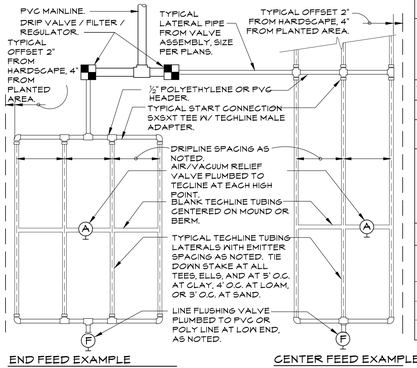
10 UNIT PAVERS WITH CONCRETE EDGE
1" = 1'-0" 321710-02



11 TRENCH SECTION DETAIL
3" = 1'-0" 328409.76-21



12 SLEEVE AT ROAD
1 1/2" = 1'-0" 328409.76-22



13 TYPICAL NETAFIM TECHLINE REQUIREMENTS
3" = 1'-0" 328413.96-09

SLOPED CONDITION NOTES:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. TECHLINE NORMAL SPACING WITHIN THE TOP ⅔ OF SLOPE.
4. INSTALL TECHLINE AT NORMAL SPACING PLUS 25% AT THE BOTTOM ⅓ OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM ⅓ ON A SEPARATE VALVE.

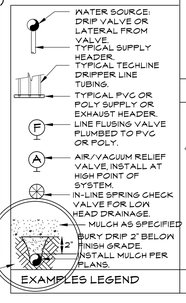
TECHLINE MAXIMUM LENGTH OF SINGLE LATERAL (FT)

DRIPPER SPACING		12"			18"			24"	
DRIPPER FLOW RATE (GPH)		0.4	0.6	0.9	0.4	0.6	0.9	0.6	0.9
INLET PRESSURE (PSI)	15	292	233	175	410	322	247	405	308
	25	397	321	238	558	438	335	553	423
	35	486	365	279	656	514	394	649	497
	45	520	407	311	732	574	434	725	555

TECHLINE FLOW PER 100 FEET

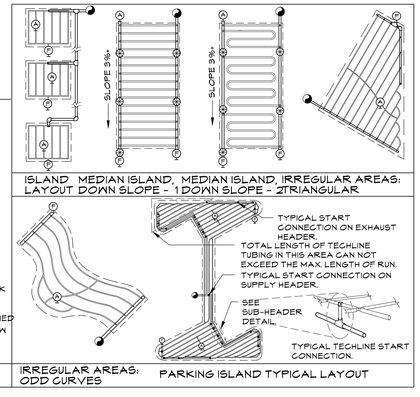
DRIPPER SPACING	0.4 GPH DRIPPER		0.6 GPH DRIPPER		0.9 GPH DRIPPER	
	GPH	GPM	GPH	GPM	GPH	GPM
12"	40.00	0.67	61.00	1.02	92.00	1.53
18"	26.67	0.44	41.00	0.68	61.00	1.02
24"	N/A	N/A	31.00	0.51	46.00	0.77

VERY IMPORTANT ***

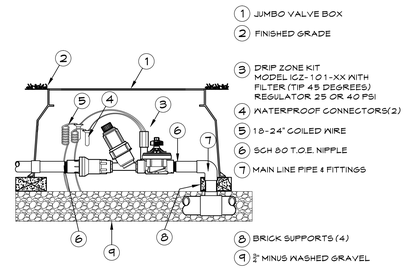


EXAMPLES LEGEND

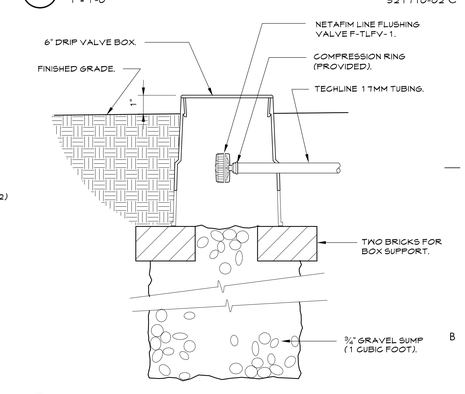
14 NO KINK HOSE BIB VALVE IN BOX
1 1/2" = 1'-0" 328406.46-07



15 HUNTER ICZ DRIP CONTROL ZONE
1 1/2" = 1'-0" 328413.76-31



16 UNIT PAVER WITH PAVER EDGE
3/4" = 1'-0" 32 1413-07



17 NETAFIM TECHLINE FLUSH VALVE
3" = 1'-0" 328413.49-33

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State of Utah — Licensed Landscape Architect
WILLET C HOWARD
#4264418-5301
8.8.18

STACK ROCK GROUP
BY NATURE DESIGNED
LANDSCAPE ARCHITECTURE, PLANNING
WWW.STACKROCKGROUP.COM

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(Ogden Regional Medical Center)
Courtyard Remodel
5475 South 500 East
Ogden, Utah 84405

NJRA Project # 17302.00
Construction Documents March 08, 2018

DETAILS

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1 Site Staging Plan
SCALE: 1" = 40'-0"

NORTH

KEYED NOTES

1. POSSIBLE CRANE STAGING AREA. PROTECT ALL EXISTING LANDSCAPING, BUILDINGS, SIDEWALKS, UTILITIES, ETC. FROM DAMAGE. ANY EXISTING ITEMS THAT ARE DAMAGED ARE TO BE REPLACED. FIELD VERIFY CONDITIONS. PROVIDE CONSTRUCTION FENCE AS REQUIRED. FINAL STAGING AREAS TO BE COORDINATED W/ OWNER.
2. EXISTING TREES TO REMAIN AS POSSIBLE. FIELD VERIFY CONDITIONS. ANY EXISTING LANDSCAPING REQUIRED TO BE REMOVED IS TO BE REPLACED. EXISTING LANDSCAPING REMOVAL TO BE COORDINATED W/ OWNER.
3. NO EXISTING TREE(S) IN THIS AREA. FIELD VERIFY CONDITIONS.
4. POSSIBLE EQUIPMENT STORAGE AREA. PROTECT ALL EXISTING LANDSCAPING, BUILDINGS, SIDEWALKS, UTILITIES, ETC. FROM DAMAGE. ANY EXISTING ITEMS THAT ARE DAMAGED ARE TO BE REPLACED. FIELD VERIFY CONDITIONS. FINAL STORAGE AREAS TO BE COORDINATED W/ OWNER.
5. ALL EXISTING AREAS ARE TO REMAIN IN OPERATION FOR DAILY USE. ANY REQUIRED ROAD, PARKING, SIDEWALK, BUILDING CLOSURES ARE TO BE COORDINATED W/ OWNER. PROTECT ALL EXISTING LANDSCAPING, BUILDINGS, SIDEWALKS, UTILITIES, ETC. FROM DAMAGE. ANY EXISTING ITEMS THAT ARE DAMAGED ARE TO BE REPLACED. FIELD VERIFY CONDITIONS.

GENERAL NOTES

A. THE CONTRACTOR SHALL THOROUGHLY COORDINATE EXISTING CONDITIONS, ARCHITECTURAL PLANS, AND ALL CONSULTANT PLANS TO DETERMINE EXACT EXTENT OF WORK.

B. PRIOR TO REMOVAL OF EXISTING BUILDING MATERIALS (INCLUDING WALLS, DOORS, WINDOWS, CEILING, ETC.) INDICATED IN THE DEMOLITION PLAN, THE CONTRACTOR SHALL THOROUGHLY COORDINATE EXISTING CONDITIONS, ARCHITECTURAL PLANS, AND ALL CONSULTANT PLANS TO DETERMINE EXACT EXTENT OF REMOVAL.

C. COORDINATE WITH OWNER'S REPRESENTATIVE REGARDING ITEMS SHOWN TO BE REMOVED THAT WILL BECOME PROPERTY OF THE OWNER OR RE-USED. CAREFULLY REMOVE SUCH ITEMS SO AS NOT TO DAMAGE THEM.

D. THE CONTRACTOR AND SUB-CONTRACTORS SHALL TAKE ALL NECESSARY MEASURES TO MINIMIZE DISRUPTION OF EXISTING PARKING LOT ACTIVITIES DURING DEMOLITION AND CONSTRUCTION.

E. EXISTING MECHANICAL ITEMS, PLUMBING ITEMS, FINISHES, EQUIPMENT, SPECIALTIES, ETC. ARE TO REMAIN UNLESS SPECIFICALLY NOTED FOR REMOVAL. PROTECT ALL ITEMS FROM DAMAGE.

F. SITE UTILITIES, INCLUDING LANDSCAPE IRRIGATION VALVE BOXES AND LINES, MAY NOT HAVE BEEN SHOWN ON THE ARCHITECTURAL SITE DEMOLITION PLAN. COORDINATE WITH CIVIL AND LANDSCAPE DRAWINGS FOR DEMOLITION OF THESE ITEMS.

G. EXISTING ASPHALT PAVING THAT IS REMOVED AS PART OF THE SITE DEMOLITION CAN BE CRUSHED AND REUSED AS FILL MATERIAL. HOWEVER RE-USING AS BASE COURSE IS NOT ALLOWED. CRUSHED MATERIAL USED AS FILL SHALL MEET THE COMPACTION REQUIREMENTS INDICATED IN THE CONSTRUCTION DOCUMENTS.

H. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE AND BUILDING CONDITIONS PRIOR TO DEMOLITION, INCLUDING SITE UTILITIES BELOW GRADE. EXISTING ITEMS THAT ARE NOTED TO REMAIN SHALL BE PROTECTED DURING DEMOLITION AND CONSTRUCTION ACTIVITIES, OR REPAIRED AT CONTRACTOR'S EXPENSE.

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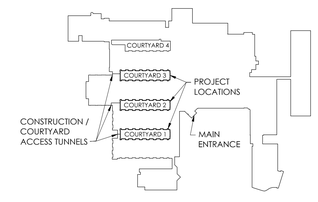

Key Plan

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NJRA Project # 17302.00
Construction Documents March 8, 2018

Site Staging Plan

A010

4/11/2018 12:11:03 PM - Z:\300 ORMC\17302.00 ORMC - COURTYARD REMODEL\01 REVIT & CAD\02 AUTOCAD DWGS\A010 SITE STAGING PLAN.DWG

KEYED NOTES

1. EXISTING STOREFRONT WINDOW SYSTEM TO REMAIN. PROTECT FROM DAMAGE.
2. EXISTING CONCRETE PAD AND/OR STAIRS TO BE REMOVED. PROTECT NEARBY EXISTING WALLS FROM DAMAGE. PATCH & REPAIR NEARBY EXISTING WALLS AS REQUIRED.
3. EXISTING CONCRETE LANDSCAPING WALL TO BE REMOVED.
4. EXISTING ROOF SCUPPER ABOVE TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION.
5. EXISTING PLUMBING WASTE LINE TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION & INVERT ELEVATION.
6. EXISTING STORM DRAIN LINE TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION & INVERT ELEVATION.
7. EXISTING INTERIOR TO REMAIN. PROTECT ALL SURFACES, FINISHES, FURNITURE, ETC. FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS/CONDITIONS.
8. EXISTING CLEAN-OUT TO GRADE TO REMAIN. EXTEND UP TO NEW GRADE AS REQUIRED. SEE CIVIL PLANS. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION/CONDITION.
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13. EXISTING COURTYARD ACCESS TUNNEL BELOW. FIELD VERIFY EXACT LOCATION / SIZE.
14. EXISTING BRICK PAVERS TO BE REMOVED. SALVAGE & RETURN TO OWNER. VERIFY W/ OWNER.
15. EXISTING CONCRETE BORDER TO BE REMOVED. FIELD VERIFY EXACT LOCATION.
16. EXISTING STOREFRONT DOOR TO BE REMOVED. PROTECT STOREFRONT WINDOW SYSTEM FROM DAMAGE. FIELD VERIFY.
17. EXISTING VENT IN WALL TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION.
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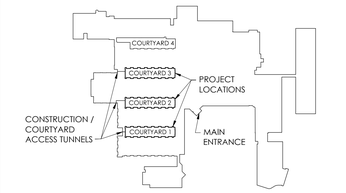
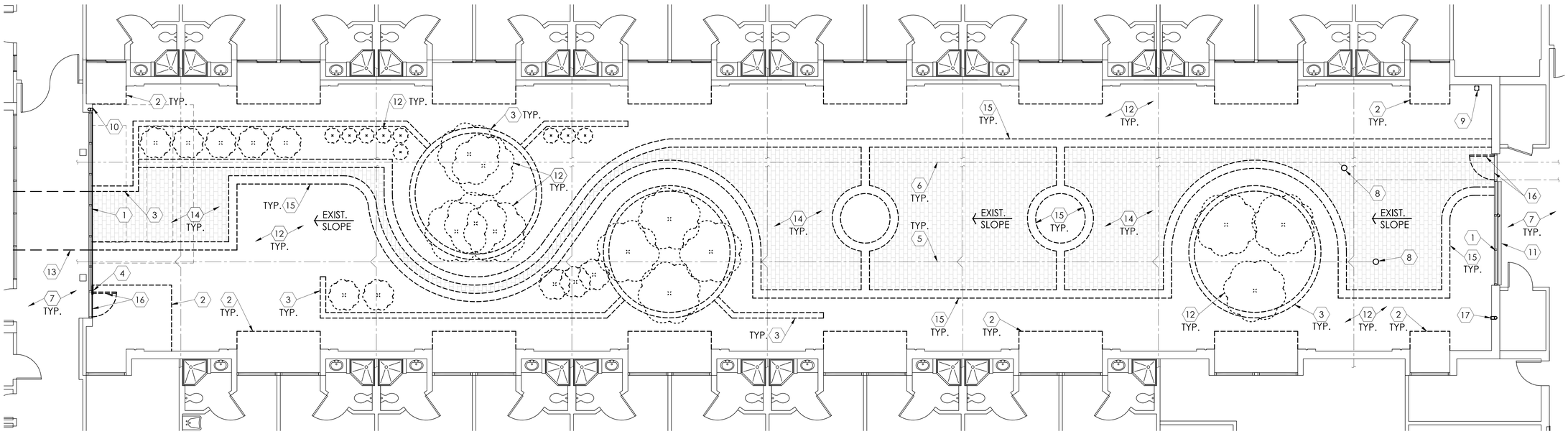


Key Plan

NORTH



1 Demolition Site Plan - Courtyard 1 (Naturalistic)

SCALE: 3/16" = 1'-0"

NORTH

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5475 South 500 East
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NJRA Project # 17302.00
Construction Documents March 8, 2018

Demolition Site Plan - Courtyard 1 (Naturalistic)

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3/9/2018 1:47:17 PM - Z:\300 ORMC\17302.00 ORMC - COURTYARD REMODEL\01 REVIT & CAD\02 AUTOCAD DWGS\A011D DEMOLITION SITE PLAN.DWG

KEYED NOTES

1. EXISTING STOREFRONT WINDOW SYSTEM W/ NEW STOREFRONT DOOR.
2. NEW 4" CONCRETE PAD/RAMP ON 4" GRAVEL BASE. PROTECT NEARBY EXISTING WALLS FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS.
3. NEW LANDSCAPING. SEE LANDSCAPING PLANS.
4. NEW MECHANICAL AIR CURTAIN SYSTEM. MOUNT IN EXISTING CEILING ABOVE DOOR AS SHOWN. SEE MECHANICAL PLANS. PATCH & REPAIR EXISTING CEILING AS REQUIRED TO MATCH EXISTING. FIELD VERIFY.
5. PROVIDE NEW 3'-0"W ALUMINUM STOREFRONT (MANUALLY OPERATED) HINGED DOOR & HARDWARE TO MATCH EXISTING. BASIS OF DESIGN: KAWNEER VERSA GLAZE 451 FRAMING SYSTEM W/ KAWNEER 350 HEAVY WALL DOORS. PROVIDE PANIC BAR AT EXTERIOR SIDE. FIELD VERIFY EXACT SIZE.
6. EXISTING VENT IN WALL TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION.
7. EXISTING INTERIOR TO REMAIN. PROTECT ALL SURFACES, FINISHES, FURNITURE, ETC. FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS/CONDITIONS.
8. EXISTING CLEAN-OUT TO GRADE TO REMAIN. EXTEND UP TO NEW GRADE AS REQUIRED. SEE CIVIL PLANS. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION/CONDITION.
9. EXISTING ROOF SCUPPER ABOVE TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION.
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11. EXISTING ROOF DRAIN OUTLET TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION.
12. EXISTING COURTYARD ACCESS TUNNEL BELOW. FIELD VERIFY EXACT LOCATION / SIZE.
13. EXISTING STORM DRAIN LINE TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION & INVERT ELEVATION.
14. PROVIDE NEW 3'-0"W x 7'-0"H ALUMINUM STOREFRONT AUTOMATED SLIDING DOOR. REQUIRED TRACKS, & HARDWARE TO MATCH EXISTING. BASIS OF DESIGN: KAWNEER VERSA GLAZE 451 FRAMING SYSTEM W/ KAWNEER 350 HEAVY WALL DOORS. FIELD VERIFY EXACT SIZE & TRACK CLEARANCES. REMOVE EXISTING HANDRAIL ATTACHED TO EXISTING STOREFRONT WINDOW AS REQUIRED. PATCH & REPAIR EXISTING HANDRAIL AT CUT/REMOVAL AS REQUIRED TO MATCH EXISTING FINISH. REMOVE EXISTING FLOOR & CEILING AS REQUIRED FOR NEW TRACKS. PATCH & REPAIR EXISTING FLOOR & CEILING AS REQUIRED. FIELD VERIFY.
15. LINE OF NEW STOREFRONT DOOR BREAK-AWAY DIRECTION.
16. NEW 8" CONCRETE WALL. PROTECT NEARBY EXISTING WALLS FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS.

GENERAL NOTES

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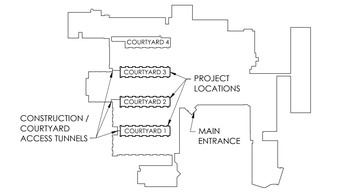

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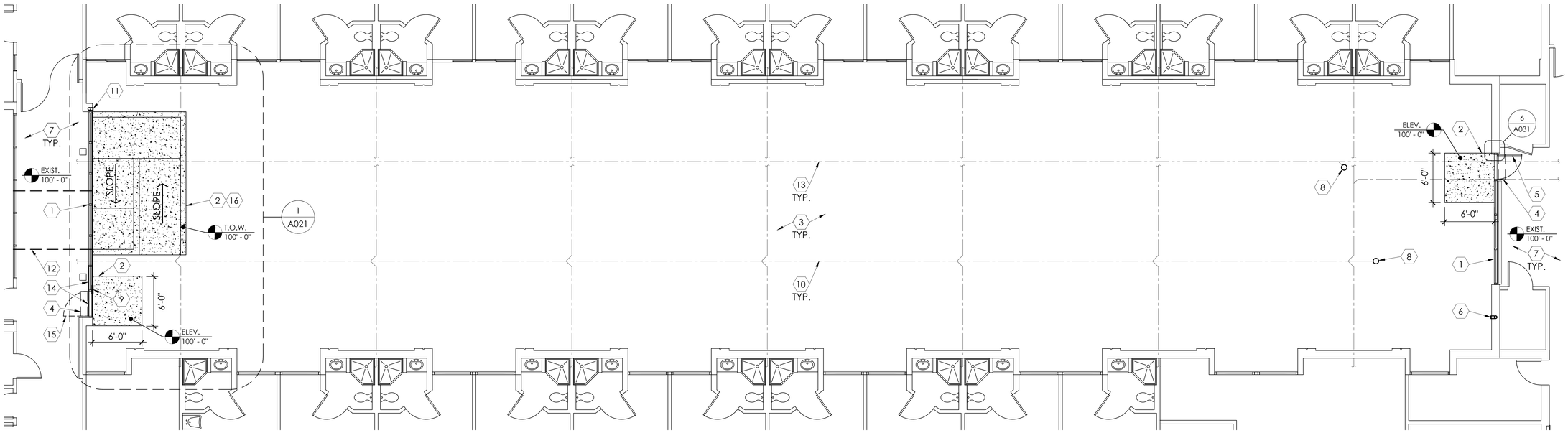

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Courtyard Remodel

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NJRA Project # 17302.00
Construction Documents March 8, 2018

Site Plan - Courtyard 1 (Naturalistic)

A011

4/12/2018 11:11:54 AM - Z:\300 ORMC\17302.00 ORMC - COURTYARD REMODEL\01 REVIT & CAD\02 AUTOCAD DWGS\A011 SITE PLAN.DWG

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3. EXISTING CONCRETE LANDSCAPING WALL TO BE REMOVED.
4. EXISTING STOREFRONT WINDOW PANEL TO BE REMOVED. PROTECT STOREFRONT WINDOW SYSTEM FROM DAMAGE. FIELD VERIFY. REMOVE EXISTING SHELF MOUNTED TO STOREFRONT & SALVAGE & RETURN TO OWNER.
5. EXISTING CONCRETE PAD, METAL LANDING, STAIRS, & RAILINGS TO BE REMOVED. FIELD VERIFY. PROTECT NEARBY EXISTING NEARBY WALLS FROM DAMAGE. PATCH & REPAIR NEARBY EXISTING WALLS AS REQUIRED.
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18. EXISTING STOREFRONT DOOR TO BE REMOVED. PROTECT STOREFRONT WINDOW SYSTEM FROM DAMAGE. FIELD VERIFY

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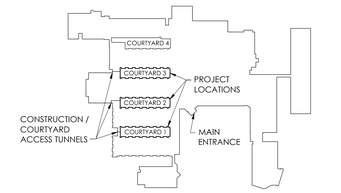
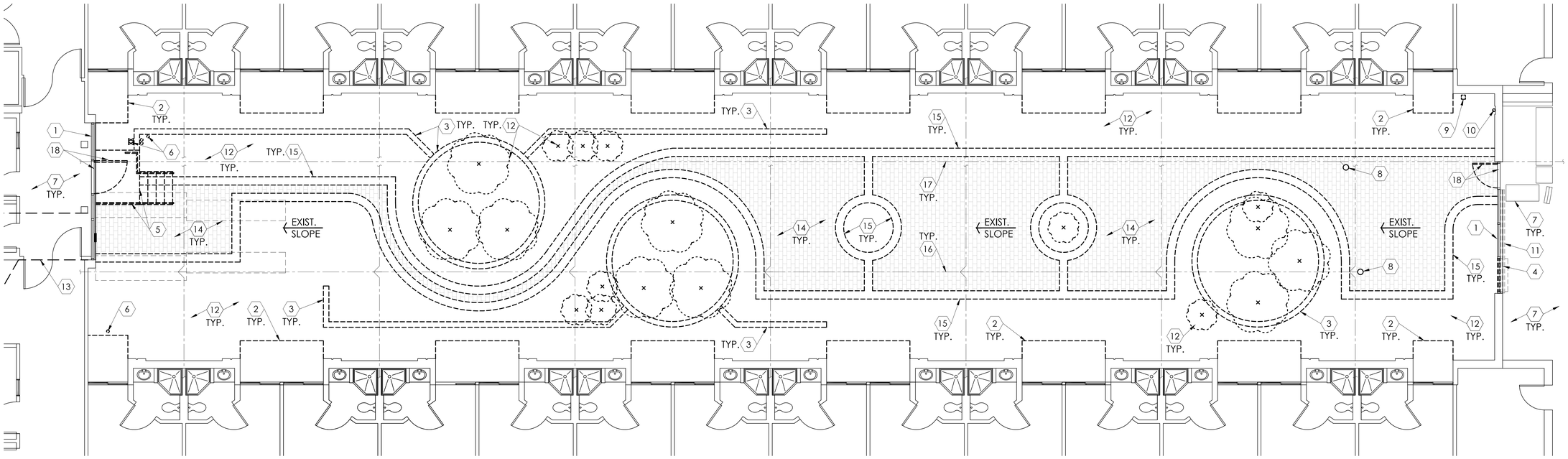


Key Plan

NORTH



1 Demolition Site Plan - Courtyard 2 (Zen)
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Ogden Regional Medical Center
Courtyard Remodel

5475 South 500 East
Ogden, Utah 84405

NJRA Project # 17302.00
Construction Documents March 8, 2018

Demolition Site Plan - Courtyard 2 (Flow)

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KEYED NOTES

1. EXISTING STOREFRONT WINDOW SYSTEM W/ NEW STOREFRONT DOOR.
2. NEW 4" CONCRETE PAD/RAMP ON 4" GRAVEL BASE. PROTECT NEARBY EXISTING WALLS FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS.
3. NEW LANDSCAPING. SEE LANDSCAPING PLANS.
4. NEW MECHANICAL AIR CURTAIN SYSTEM. MOUNT IN EXISTING CEILING ABOVE DOOR AS SHOWN. SEE MECHANICAL PLANS. PATCH & REPAIR EXISTING CEILING AS REQUIRED TO MATCH EXISTING. FIELD VERIFY.
5. LINE OF NEW STOREFRONT DOOR BREAK-AWAY DIRECTION.
6. EXISTING COURTYARD ACCESS TUNNEL BELOW. FIELD VERIFY EXACT LOCATION / SIZE.
7. EXISTING INTERIOR TO REMAIN. PROTECT ALL SURFACES, FINISHES, FURNITURE, ETC. FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS/CONDITIONS.
8. EXISTING CLEAN-OUT TO GRADE TO REMAIN. EXTEND UP TO NEW GRADE AS REQUIRED. SEE CIVIL PLANS. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION/CONDITION.
9. EXISTING PLUMBING WASTE LINE TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION & INVERT ELEVATION
10. EXISTING VENT RISER TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION.
11. EXISTING STORM DRAIN LINE TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION & INVERT ELEVATION.
12. PROVIDE NEW 4'-1"W x 7'-0"H ALUMINUM STOREFRONT AUTOMATED SLIDING DOOR, REQUIRED TRACKS, & HARDWARE TO MATCH EXISTING. BASIS OF DESIGN: KAWNEER VERSA GLAZE 451 FRAMING SYSTEM W/ KAWNEER 350 HEAVY WALL DOORS. FIELD VERIFY EXACT SIZE & TRACK CLEARANCES. REMOVE EXISTING HANDRAIL ATTACHED TO EXISTING STOREFRONT WINDOW AS REQUIRED. PATCH & REPAIR EXISTING HANDRAIL AT CUT/REMOVAL AS REQUIRED TO MATCH EXISTING FINISH. REMOVE EXISTING FLOOR & CEILING AS REQUIRED FOR NEW TRACKS. PATCH & REPAIR EXISTING FLOOR & CEILING AS REQUIRED. FIELD VERIFY.
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14. NEW HEATED MECHANICAL AIR CURTAIN SYSTEM. MOUNT IN EXISTING CEILING ABOVE DOOR AS SHOWN. SEE MECHANICAL PLANS. PATCH & REPAIR EXISTING CEILING AS REQUIRED, TO MATCH EXISTING. FIELD VERIFY.
15. NEW 8" CONCRETE WALL. PROTECT NEARBY EXISTING WALLS FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS.

GENERAL NOTES

A. THE CONTRACTOR SHALL THOROUGHLY COORDINATE EXISTING CONDITIONS, ARCHITECTURAL PLANS, AND ALL CONSULTANT PLANS TO DETERMINE EXACT EXTENT OF WORK.

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C. COORDINATE WITH OWNER'S REPRESENTATIVE REGARDING ITEMS SHOWN TO BE REMOVED THAT WILL BECOME PROPERTY OF THE OWNER OR RE-USED. CAREFULLY REMOVE SUCH ITEMS SO AS NOT TO DAMAGE THEM.

D. THE CONTRACTOR AND SUB-CONTRACTORS SHALL TAKE ALL NECESSARY MEASURES TO MINIMIZE DISRUPTION OF EXISTING PARKING LOT ACTIVITIES DURING DEMOLITION AND CONSTRUCTION.

E. EXISTING MECHANICAL ITEMS, PLUMBING ITEMS, FINISHES, EQUIPMENT, SPECIALTIES, ETC., ARE TO REMAIN UNLESS SPECIFICALLY NOTED FOR REMOVAL. PROTECT ALL ITEMS FROM DAMAGE.

F. SITE UTILITIES, INCLUDING LANDSCAPE IRRIGATION VALVE BOXES AND LINES, MAY NOT HAVE BEEN SHOWN ON THE ARCHITECTURAL SITE DEMOLITION PLAN. COORDINATE WITH CIVIL AND LANDSCAPE DRAWINGS FOR DEMOLITION OF THESE ITEMS.

G. EXISTING ASPHALT PAVING THAT IS REMOVED AS PART OF THE SITE DEMOLITION CAN BE CRUSHED AND REUSED AS FILL MATERIAL, HOWEVER RE-USING AS BASE COURSE IS NOT ALLOWED. CRUSHED MATERIAL USED AS FILL SHALL MEET THE COMPACTION REQUIREMENTS INDICATED IN THE CONSTRUCTION DOCUMENTS.

H. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE AND BUILDING CONDITIONS PRIOR TO DEMOLITION, INCLUDING SITE UTILITIES BELOW GRADE. EXISTING ITEMS THAT ARE NOTED TO REMAIN SHALL BE PROTECTED DURING DEMOLITION AND CONSTRUCTION ACTIVITIES, OR REPAIRED AT CONTRACTOR'S EXPENSE.

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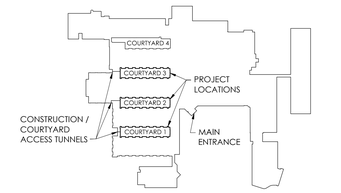

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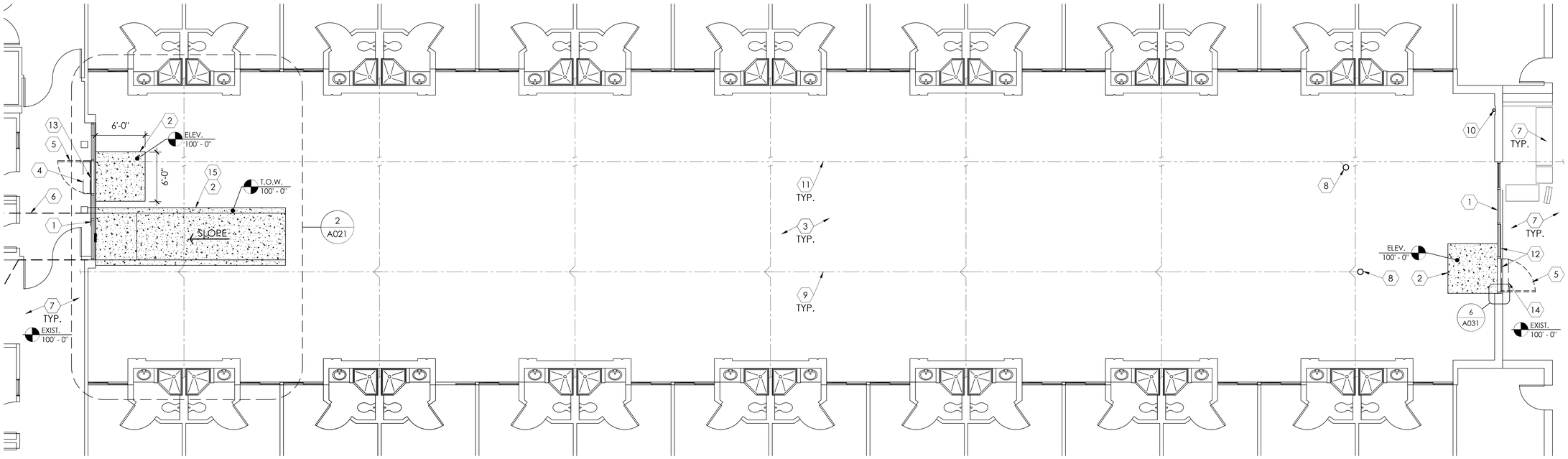

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NORTH

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KEYED NOTES

1. EXISTING STOREFRONT WINDOW SYSTEM TO REMAIN. PROTECT FROM DAMAGE.
2. EXISTING CONCRETE PAD AND/OR STAIRS TO BE REMOVED. PROTECT NEARBY EXISTING WALLS FROM DAMAGE. PATCH & REPAIR NEARBY EXISTING WALLS AS REQUIRED.
3. EXISTING CONCRETE LANDSCAPING WALL TO BE REMOVED.
4. EXISTING ELECTRICAL WIRING EXTENDING INTO BUILDING TO BE REMOVED. FIELD VERIFY EXACT LOCATION. PATCH & REPAIR EXISTING WALL AS REQUIRED TO CLOSE OFF HOLE IN EXISTING WALL. COORDINATE WITH BUILDING OWNER.
5. EXISTING METAL LANDING, STAIRS, & RAILINGS TO BE REMOVED. PROTECT NEARBY WALL FROM DAMAGE. PATCH & REPAIR NEARBY EXISTING WALLS AS REQUIRED.
6. EXISTING SPRINKLER LINES, VALVES, FILTERS, HOSE BIBBS, ETC. TO BE REMOVED, CAP EXISTING LINES AS REQUIRED FOR CONNECTION TO NEW WORK. PROTECT EXISTING SPRINKLER LINES TO REMAIN. SEE LANDSCAPING PLANS.
7. EXISTING INTERIOR TO REMAIN. PROTECT ALL SURFACES, FINISHES, FURNITURE, CEILINGS, ETC. FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS/CONDITIONS.
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9. EXISTING ELECTRICAL BOX & ASSOCIATED WIRING TO BE REMOVED. FIELD VERIFY EXACT LOCATION. COORDINATE WITH BUILDING OWNER.
10. EXISTING CONCRETE BORDER TO BE REMOVED. FIELD VERIFY EXACT LOCATION.
11. EXISTING FLOOR-MOUNTED RADIATOR TO REMAIN. PROTECT FROM DAMAGE.
12. EXISTING TREES, BUSHES, & OTHER LANDSCAPING TO BE REMOVED. REMOVE EXISTING SPRINKLER LINES, VALVES, FILTERS, HOSE BIBBS, ETC. AS REQUIRED. CAP EXISTING LINES AS REQUIRED IN PREPARATION FOR CONNECTION TO NEW WORK. PROTECT EXISTING SPRINKLER LINES THAT ARE TO REMAIN. SEE LANDSCAPING PLANS.
13. EXISTING COURTYARD ACCESS TUNNEL BELOW. FIELD VERIFY EXACT LOCATION / SIZE.
14. EXISTING BRICK PAVERS TO BE REMOVED. SALVAGE & RETURN TO OWNER. VERIFY W/ OWNER.
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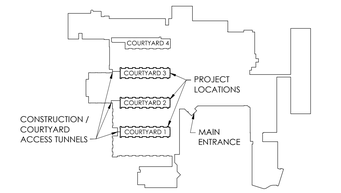

Key Plan

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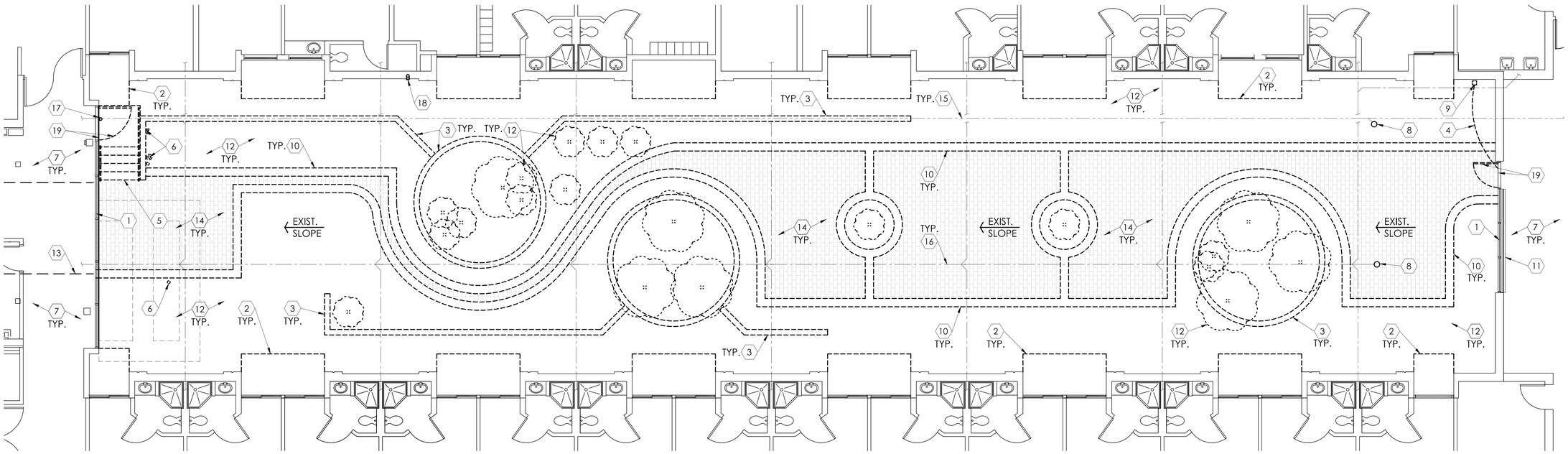

1 Demolition Site Plan - Courtyard 3 (Flow)

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3. NEW LANDSCAPING. SEE LANDSCAPING PLANS.
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14. PROVIDE NEW 4'-0"W x 7'-0"H ALUMINUM STOREFRONT AUTOMATED SLIDING DOOR. REQUIRED TRACKS, & HARDWARE TO MATCH EXISTING. BASIS OF DESIGN: KAWNEER VERSA GLAZE 451 FRAMING SYSTEM W/ KAWNEER 350 HEAVY WALL DOORS. FIELD VERIFY EXACT SIZE & TRACK CLEARANCES. REMOVE EXISTING HANDRAIL ATTACHED TO EXISTING STOREFRONT WINDOW AS REQUIRED. PATCH & REPAIR EXISTING HANDRAIL AT CUT/REMOVAL AS REQUIRED TO MATCH EXISTING FINISH. REMOVE EXISTING FLOOR & CEILING AS REQUIRED FOR NEW TRACKS. PATCH & REPAIR EXISTING FLOOR & CEILING AS REQUIRED. FIELD VERIFY.
15. LINE OF NEW STOREFRONT DOOR BREAK-AWAY DIRECTION.
16. PROVIDE NEW 3'-0"W STOREFRONT (MANUALLY OPERATED) HINGED DOOR & HARDWARE TO MATCH EXISTING. BASIS OF DESIGN: KAWNEER VERSA GLAZE 451 FRAMING SYSTEM W/ KAWNEER 350 HEAVY WALL DOORS. PROVIDE PANIC BAR AT EXTERIOR SIDE. FIELD VERIFY EXACT SIZE.
17. PROVIDE NEW THRESHOLD TO BE LEVEL WITH EXISTING INTERIOR FLOOR ELEVATION. FIELD VERIFY EXACT CONDITIONS/HEIGHT.
18. PROVIDE NEW HAND-MOTION-CONTROLLED DOOR SENSOR ON SOUTH SIDE OF EXISTING INTERIOR COLUMN. LOCATE SENSOR BELOW EXISTING ADA PUSH BUTTON. PROVIDE SIGNAGE BY NEW SENSOR STATING "COURTYARD ACCESS." SEE ELECTRICAL PLANS.
19. NEW 8" CONCRETE WALL. PROTECT NEARBY EXISTING WALLS FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS.

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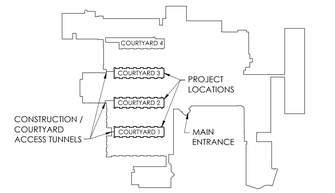
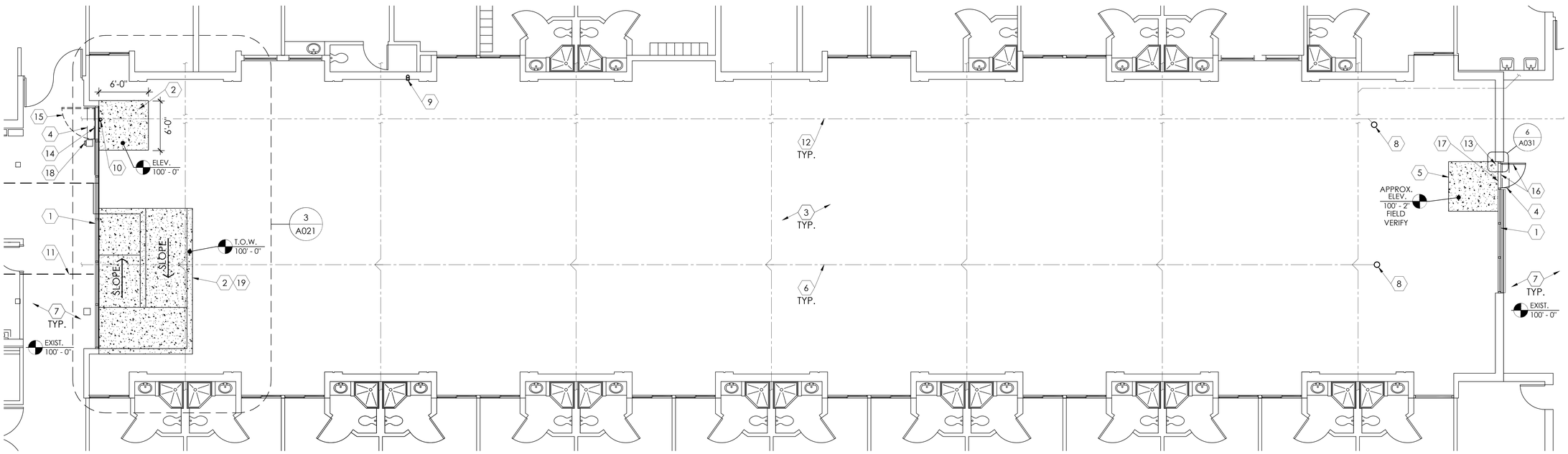


Key Plan

NORTH



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2. NEW 4" CONCRETE PAD/RAMP ON 4" COMPATCTED GRAVEL BASE. PROTECT NEARBY EXISTING WALLS FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS.
3. NEW LANDSCAPING. SEE LANDSCAPING PLANS.
4. PROVIDE FORM FOR NEW EDGE OF NEW CONCRETE RAMP BELOW. EDGE TO BE EXPOSED AFTER CONSTRUCTION. PROVIDE 45º CHAMFER AT EXPOSED EDGE.
5. ALIGN EDGE OF NEW CONCRETE WALL WITH EDGE OF EXISTING TUNNEL/BUILDING WALL AS SHOWN. FIELD VERIFY.
6. TOP OF NEW CONCRETE PAD TO MATCH EXISTING TUNNEL CONCRETE. FIELD VERIFY.
7. EXISTING INTERIOR TO REMAIN. PROTECT ALL SURFACES, FINISHES, FURNITURE, ETC. FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS/CONDITIONS.
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12. EXISTING COURTYARD ACCESS TUNNEL BELOW. FIELD VERIFY EXACT LOCATION / SIZE.
13. NEW WALL-MOUNTED LIGHT FIXTURE AT EXISTING LOCATION ABOVE. FIELD VERIFY EXACT LOCATION. SEE ELECTRICAL PLANS.
14. PROVIDE NEW 4'-0"W ALUMINUM STOREFRONT AUTOMATED SLIDING DOOR, REQUIRED TRACKS, & HARDWARE. FIELD VERIFY EXACT SIZE & TRACK CLEARANCES. REMOVE EXISTING HANDRAIL ATTACHED TO EXISTING STOREFRONT WINDOW AS REQUIRED. PATCH & REPAIR EXISTING HANDRAIL AT CUT/REMOVAL AS REQUIRED TO MATCH EXISTING FINISH. REMOVE EXISTING FLOOR & CEILING AS REQUIRED FOR NEW TRACKS. PATCH & REPAIR EXISTING FLOOR & CEILING AS REQUIRED. FIELD VERIFY.
15. LINE OF NEW STOREFRONT DOOR BREAK-AWAY DIRECTION.
16. PROVIDE NEW 3'-0"W ALUMINUM STOREFRONT AUTOMATED SLIDING DOOR, REQUIRED TRACKS, & HARDWARE. FIELD VERIFY EXACT SIZE & TRACK CLEARANCES. REMOVE EXISTING HANDRAIL ATTACHED TO EXISTING STOREFRONT WINDOW AS REQUIRED. PATCH & REPAIR EXISTING HANDRAIL AT CUT/REMOVAL AS REQUIRED TO MATCH EXISTING FINISH. REMOVE EXISTING FLOOR & CEILING AS REQUIRED FOR NEW TRACKS. PATCH & REPAIR EXISTING FLOOR & CEILING AS REQUIRED. FIELD VERIFY.
17. PROVIDE NEW 2" ALUMINUM MULLION TO MATCH EXISTING.
18. PROVIDE NEW 3'-10"W ALUMINUM STOREFRONT AUTOMATED SLIDING DOOR, REQUIRED TRACKS, & HARDWARE. FIELD VERIFY EXACT SIZE & TRACK CLEARANCES. REMOVE EXISTING HANDRAIL ATTACHED TO EXISTING STOREFRONT WINDOW AS REQUIRED. PATCH & REPAIR EXISTING HANDRAIL AT CUT/REMOVAL AS REQUIRED TO MATCH EXISTING FINISH. REMOVE EXISTING FLOOR & CEILING AS REQUIRED FOR NEW TRACKS. PATCH & REPAIR EXISTING FLOOR & CEILING AS REQUIRED. FIELD VERIFY.
19. EXISTING PLUMBING WASTE LINE TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION & INVERT ELEVATION.
20. CONCRETE FOOTING BELOW.
21. DOWEL FROM NEW WALL TO EXISTING WALL W/ #4 DOWEL @ 15" O.C. VERT. PROVIDE EXTERIOR GRADE JOINT SEALANT AT INTERSECTION OF WALLS.
22. PROVIDE EXTERIOR GRADE JOINT SEALANT AT INTERSECTION OF WALLS.

GENERAL NOTES

A. THE CONTRACTOR SHALL THOROUGHLY COORDINATE EXISTING CONDITIONS, ARCHITECTURAL PLANS, AND ALL CONSULTANT PLANS TO DETERMINE EXACT EXTENT OF WORK.

B. PRIOR TO REMOVAL OF EXISTING BUILDING MATERIALS (INCLUDING WALLS, DOORS, WINDOWS, CEILING, ETC.) INDICATED IN THE DEMOLITION PLAN, THE CONTRACTOR SHALL THOROUGHLY COORDINATE EXISTING CONDITIONS, ARCHITECTURAL PLANS, AND ALL CONSULTANT PLANS TO DETERMINE EXACT EXTENT OF REMOVAL.

C. COORDINATE WITH OWNER'S REPRESENTATIVE REGARDING ITEMS SHOWN TO BE REMOVED THAT WILL BECOME PROPERTY OF THE OWNER OR RE-USED. CAREFULLY REMOVE SUCH ITEMS SO AS NOT TO DAMAGE THEM.

D. THE CONTRACTOR AND SUB-CONTRACTORS SHALL TAKE ALL NECESSARY MEASURES TO MINIMIZE DISRUPTION OF EXISTING PARKING LOT ACTIVITIES DURING DEMOLITION AND CONSTRUCTION.

E. EXISTING MECHANICAL ITEMS, PLUMBING ITEMS, FINISHES, EQUIPMENT, SPECIALTIES, ETC., ARE TO REMAIN UNLESS SPECIFICALLY NOTED FOR REMOVAL. PROTECT ALL ITEMS FROM DAMAGE.

F. SITE UTILITIES, INCLUDING LANDSCAPE IRRIGATION VALVE BOXES AND LINES, MAY NOT HAVE BEEN SHOWN ON THE ARCHITECTURAL SITE DEMOLITION PLAN. COORDINATE WITH CIVIL AND LANDSCAPE DRAWINGS FOR DEMOLITION OF THESE ITEMS.

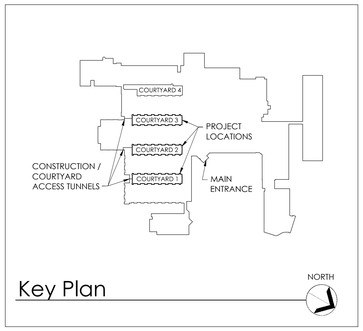
G. EXISTING ASPHALT PAVING THAT IS REMOVED AS PART OF THE SITE DEMOLITION CAN BE CRUSHED AND REUSED AS FILL MATERIAL, HOWEVER RE-USING AS BASE COURSE IS NOT ALLOWED. CRUSHED MATERIAL USED AS FILL SHALL MEET THE COMPACTION REQUIREMENTS INDICATED IN THE CONSTRUCTION DOCUMENTS.

H. THE CONTRACTOR SHALL VERIFY ALL EXISTING SITE AND BUILDING CONDITIONS PRIOR TO DEMOLITION, INCLUDING SITE UTILITIES BELOW GRADE. EXISTING ITEMS THAT ARE NOTED TO REMAIN SHALL BE PROTECTED DURING DEMOLITION AND CONSTRUCTION ACTIVITIES, OR REPAIRED AT CONTRACTOR'S EXPENSE.

I. EXISTING LANDSCAPE AREAS MUST BE KEPT UNDER IRRIGATION DURING THE GROWING SEASON (APPROX. APRIL 15 TO SEPTEMBER 30). COORDINATE WITH THE LANDSCAPE DRAWINGS AND PHASING PLANS FOR PHASING OF THE IRRIGATION SYSTEM.

J. THE CONTRACTOR SHALL NOTIFY ARCHITECT , AND STOP WORK IN THE SPECIFIC AREA, IF EXISTING SITE AND BUILDING CONDITIONS (THAT ARE CALLED OUT TO REMAIN) ARE FOUND TO CAUSE INTERFERENCE WITH NEW CONSTRUCTION.

K. ALL EXISTING AREAS ARE TO REMAIN IN OPERATION FOR DAILY USE. ANY REQUIRED ROAD, PARKING, SIDEWALK, BUILDING CLOSURES ARE TO BE COORDINATED W/ OWNER.



Key Plan

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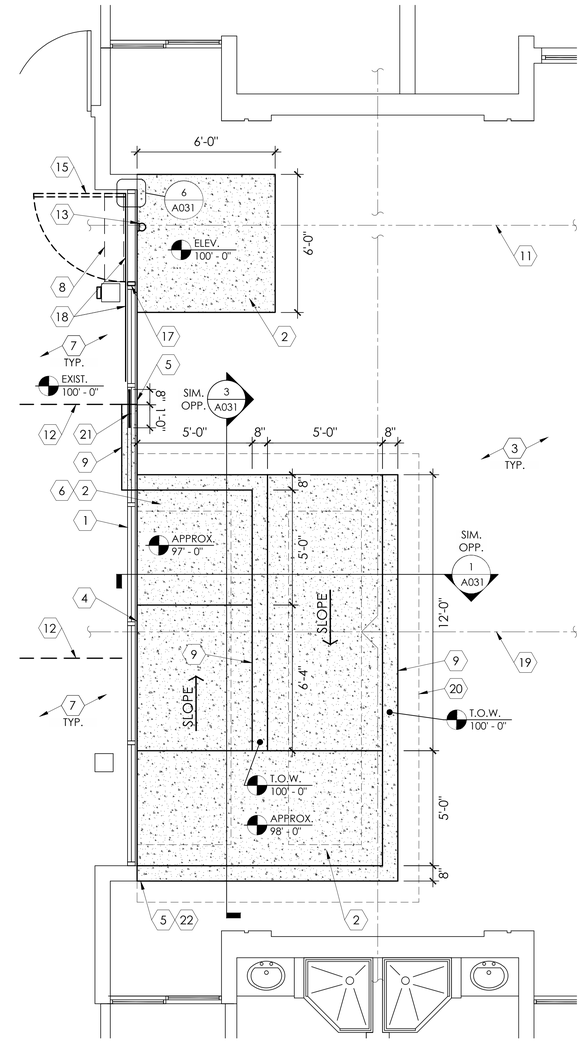
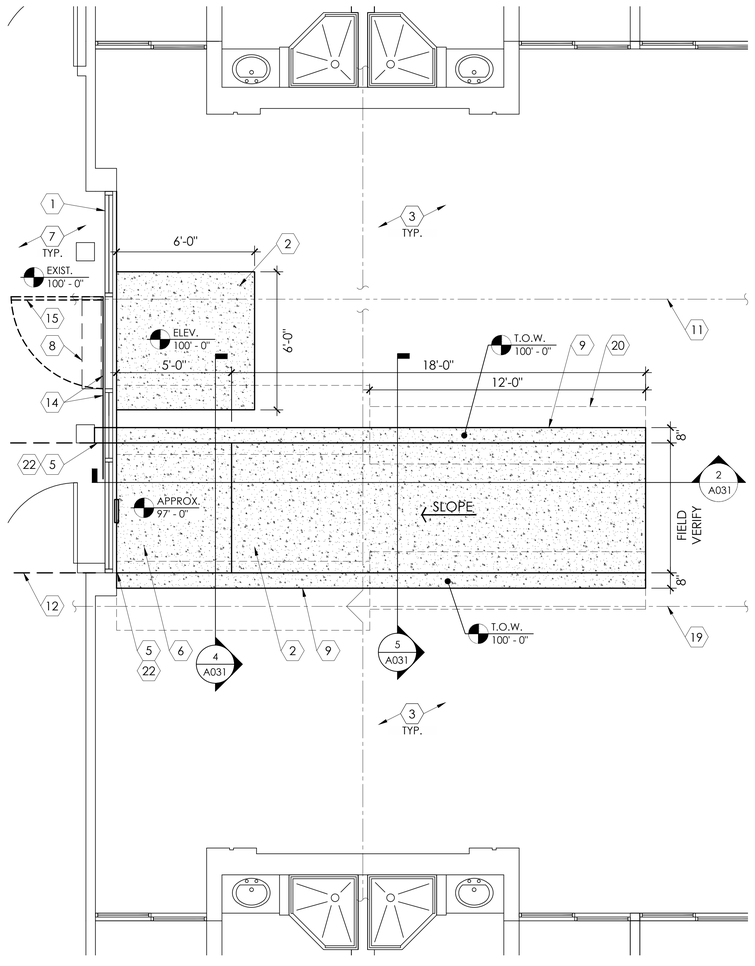
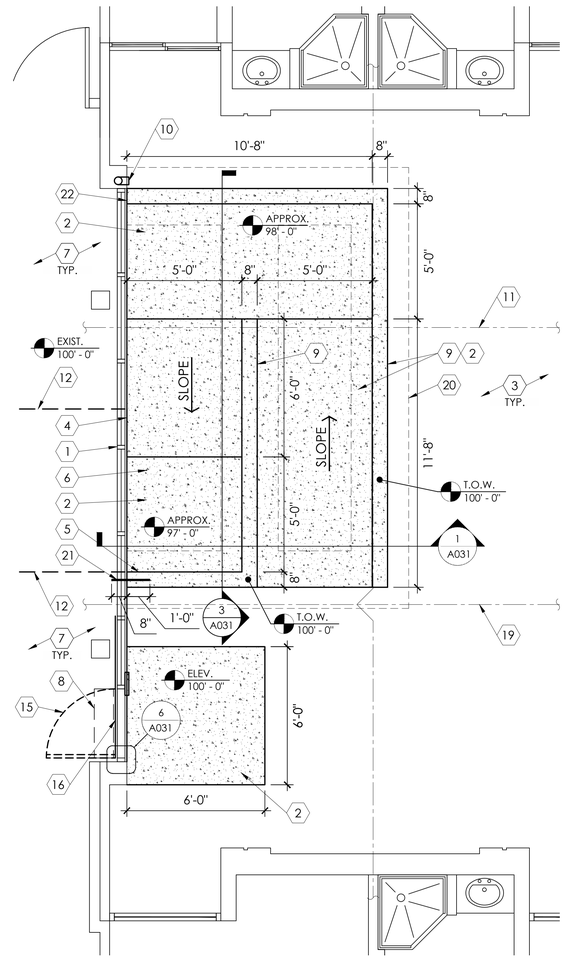


3 Site Plan - Courtyard 3 (Flow)
SCALE: 3/8" = 1'-0"



2 Site Plan - Courtyard 2 (Zen)
SCALE: 3/8" = 1'-0"



1 Site Plan - Courtyard 1 (Naturalistic)
SCALE: 3/8" = 1'-0"

Ogden Regional Medical Center
Courtyard Remodel
5475 South 500 East
Ogden, Utah 84405

NJRA Project # 17302.00
Construction Documents March 8, 2018

Enlarged Site Plans

A021

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KEYED NOTES

1. EXISTING STOREFRONT WINDOW SYSTEM.
2. EXISTING BUILDING STRUCTURE. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS.
3. NEW 4" CONCRETE PAD/RAMP ON 4" COMPACTED GRAVEL BASE. PROTECT NEARBY EXISTING WALLS FROM DAMAGE. FIELD VERIFY EXACT LOCATIONS.
4. NEW LANDSCAPING. SEE LANDSCAPING PLANS.
5. EXISTING CONCRETE PAD TO REMAIN. PROTECT FROM DAMAGE. FIELD VERIFY EXACT LOCATION.
6. NEW 8" CONCRETE WALL.
7. TOP OF NEW CONCRETE PAD TO MATCH EXISTING TUNNEL CONCRETE. FIELD VERIFY.
8. EXTEND NEW CONCRETE WALL BEYOND/UNDER EXISTING BUILDING STRUCTURE. PROTECT NEARBY EXISTING STRUCTURE FROM DAMAGE. PATCH & REQPAIR AS REQUIRED. FIELD VERIFY.
9. PROVIDE FORM FOR NEW EDGE OF NEW CONCRETE RAMP. EDGE TO BE EXPOSED AFTER CONSTRUCTION. PROVIDE 45° CHAMFER AT EXPOSED EDGE.
10. PROVIDE 45° CHAMFERED EDGE AT ALL EXPOSED EDGES.
11. NEW CONCRETE FOOTING W/ REINFORCING.
12. (3) #5 BARS, CONTINUOUS.
13. (2) #5 BARS, CONTINUOUS, TOP & BOTTOM.
14. #4 BARS @ 16" O.C.
15. #5 BARS @ 15" O.C.
16. #4 J-HOOKS @ 18" O.C.

GENERAL NOTES

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E. EXISTING MECHANICAL ITEMS, PLUMBING ITEMS, FINISHES, EQUIPMENT, SPECIALTIES, ETC., ARE TO REMAIN UNLESS SPECIFICALLY NOTED FOR REMOVAL. PROTECT ALL ITEMS FROM DAMAGE.

F. SITE UTILITIES, INCLUDING LANDSCAPE IRRIGATION VALVE BOXES AND LINES, MAY NOT HAVE BEEN SHOWN ON THE ARCHITECTURAL SITE DEMOLITION PLAN. COORDINATE WITH CIVIL AND LANDSCAPE DRAWINGS FOR DEMOLITION OF THESE ITEMS.

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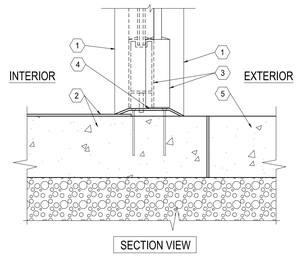


KEYED NOTES

1. NEW ALUM. FRAME AS OCCURS. INSTALL & ATTACH TO WALL PER MANUFACTURER'S RECOMMENDATIONS. FILL FRAME WITH GROUT. FINISH TO MATCH EXISTING. FIELD VERIFY CONDITIONS.

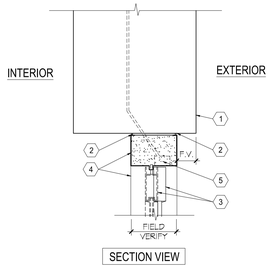
2. EXISTING FLOOR. FIELD VERIFY CONDITIONS.

3. NEW ALUM. DOOR AS OCCURS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. FINISH TO MATCH EXISTING. FIELD VERIFY CONDITIONS.

4. NEW ALUM. THRESHOLD AS OCCURS. MOUNT THRESHOLD TO SLAB WITH APPROPRIATE CONCRETE FASTENERS AND EPOXY TYPE ADHESIVES. WIDTH OF THRESHOLD SHALL MATCH THE WIDTH OF DOOR FRAME. FIELD VERIFY CONDITIONS.

5. NEW CONCRETE PAD. SEE PLANS. FIELD VERIFY CONDITIONS.

7 Threshold Detail
Scale: 3" = 1'-0"



KEYED NOTES

1. EXISTING WALL. FIELD VERIFY CONDITIONS.

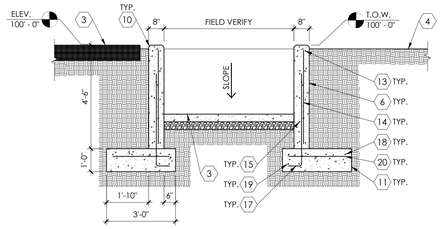
2. CONTINUOUS SEALANT ON BOTH SIDES OF FRAME. AT BUILDING EXTERIOR SIDE USE CAULKING WITH BACKER ROD. CAULKING COLOR TO MATCH EXISTING. FIELD VERIFY CONDITIONS.

3. NEW ALUM. DOOR AS OCCURS. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. FINISH TO MATCH EXISTING.

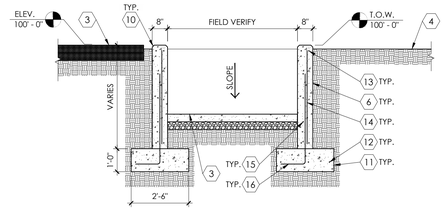
4. NEW ALUM. FRAME AS OCCURS. INSTALL & ATTACH TO WALL PER MANUFACTURER'S RECOMMENDATIONS. FILL FRAME WITH GROUT. FINISH TO MATCH EXISTING. FIELD VERIFY CONDITIONS.

5. AT ALL EXTERIOR DOOR FRAMES, PROVIDE SWITCH INSIDE THE FRAME FOR SECURITY ALARM. COORDINATE ROUTING OF CONDUIT INSIDE THE DOOR FRAME WITH ELECTRICAL CONTRACTOR. FIELD VERIFY CONDITIONS.

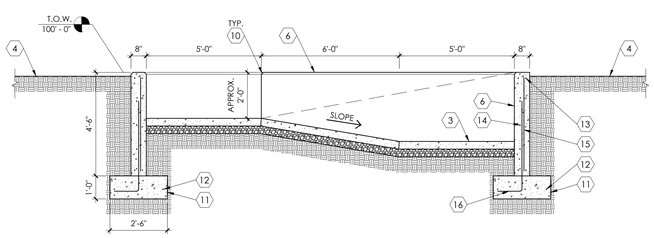
6 Door Frame Head/Jamb Detail
Scale: 1-1/2" = 1'-0"



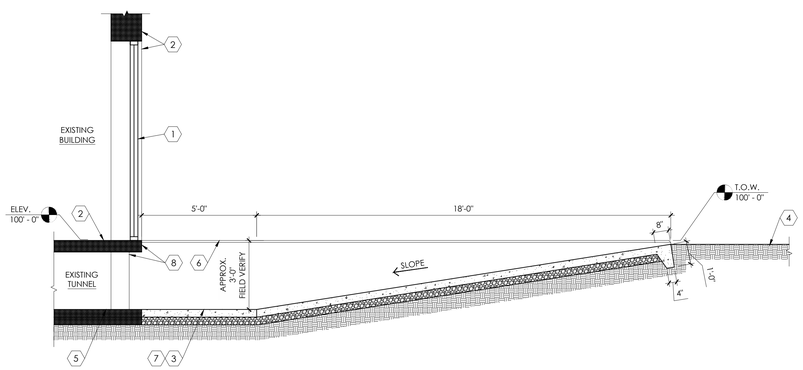
5 Section
SCALE: 3/8" = 1'-0"



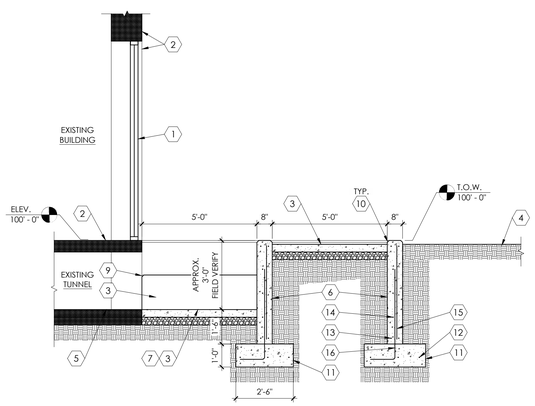
4 Section
SCALE: 3/8" = 1'-0"



3 Section
SCALE: 3/8" = 1'-0"



2 Section
SCALE: 3/8" = 1'-0"



1 Section
SCALE: 3/8" = 1'-0"

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Ogden Regional Medical Center
Courtyard Remodel

5475 South 500 East
Ogden, Utah 84405

NJRA Project # 17302.00
Construction Documents March 8, 2018

Sections

A031

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SYMBOL LEGEND

SYMBOL	DESCRIPTION
VALVES, METERS, AND GAUGES	
	SHUT OFF VALVE
	GATE VALVE
	CHECK VALVE
	AUTO 2-WAY VALVE
	AUTO 3-WAY VALVE
	GLOBE VALVE
	BALL VALVE
	RELIEF VALVE
	CHAIN OPERATED GATE VALVE
	PRESSURE REDUCING VALVE
	BUTTERFLY VALVE
S	SOLENOID VALVE
	ANGLE VALVE
	VENTURI
	BALANCING OR PLUG COCK
	FLOW SETTER
	EXPANSION VALVE (REFRIG.)
	GAS COCK
MAV	MANUAL AIR VENT
	STRAINER
	GAUGE COCK
	FLEXIBLE CONNECTION
	PRESSURE GAUGE
	THERMOMETER
	VICTUALIC COUPLING
	REDUCER CONCENTRIC
	REDUCER ECCENTRIC
	REFRIGERANT SITE GLASS
	REFRIGERANT STRAINER
	REFRIGERANT FILTER DRIER
	90 DEG ELBOW UP
	90 DEG ELBOW DOWN
	90 DEG TEE UP
	90 DEG TEE DOWN
	UNION
	CAPPED PIPE
	ANCHOR
	FLOAT AND THERMOSTATIC TRAP
HVAC SYMBOLS	
T	THERMOSTAT
S	TEMPERATURE SENSOR
H	HUMIDISTAT

SYMBOL LEGEND

SYMBOL | DESCRIPTION

DUCT WORK

SINGLE LINE	DOUBLE LINE	DESCRIPTION
		RECTANGULAR SUPPLY DUCT UP
		RECTANGULAR SUPPLY DUCT DOWN
		RECTANGULAR RETURN DUCT UP
		RECTANGULAR RETURN DUCT DOWN
		RECTANGULAR EXHAUST DUCT UP
		RECTANGULAR EXHAUST DUCT DOWN
		ROUND DUCT UP
		ROUND DUCT DOWN
		ACCOUSTICALLY LINED RECTANGULAR DUCT
		90° RECTANGULAR ELBOW WITH TURNING VANES
		90° RADIUS ELBOW R=1.5
		DUCT SIZE OR SHAPE TRANSITION
		OPPOSED BLADE BALANCING DAMPER (O.B.D.) IN RECT DUCT
		BUTTERFLY BALANCING DAMPER IN ROUND DUCTS
		COMBINATION TEE
		SPLITTER DAMPER
		SQUARE OR RECTANGULAR CEILING DIFFUSER
		ROUND CEILING DIFFUSER
		SIDEWALL REGISTER SUPPLY OR RETURN
		ROUND FLEXIBLE DUCT
		RETURN GRILLE
		EXHAUST GRILLE
		FIRE SMOKE DAMPER
		FIRE DAMPER
SD	SD	SMOKE DAMPER
FC	FC	FLEXIBLE CONNECTION
		FLEXIBLE CONNECTION
		DUCT TO BE REMOVED

SYMBOL LEGEND

SYMBOL	DESCRIPTION
REFERENCE LINES AND SYMBOLS	
# SHEET	DETAIL INDICATOR: # INDICATES DETAIL NUMBER, SHEET INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
# SHEET	ELEVATION OR SECTION INDICATOR, EXTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
# SHEET	ELEVATION OR SECTION INDICATOR, INTERIOR: # INDICATES ELEVATION OR SECTION NUMBER, SHEET INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
100	SPACE NUMBER
1	KEYNOTE INDICATOR
	REVISION INDICATOR
	EQUIPMENT INDICATOR
	PLUMBING FIXTURE INDICATOR
TYPE CFM SIZE	DIFFUSER/GRILLE INDICATOR
TYPE SIZE	DIFFUSER/GRILLE INDICATOR
	BREAK, STRAIGHT
	BREAK, ROUND
MATCH LINE SEE XX/X-XXX	MATCHLINE INDICATOR
	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE
	NEW CONNECTION TO EXISTING
	POINT OF DEMOLITION

PIPING LEGEND

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

HPS	HIGH PRESSURE STEAM
MPS	MEDIUM PRESSURE STEAM
LPS	LOW PRESSURE STEAM
HPC	HIGH PRESSURE CONDENSATE RETURN
MPC	MEDIUM PRESSURE CONDENSATE RETURN
LPC	LOW PRESSURE CONDENSATE RETURN
PC	PUMP DISCHARGE
TWS	TEMPERED WATER SUPPLY
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HHWR	HEATING HOT WATER RETURN
RL	REFRIGERANT LIQUID
RS	REFRIGERANT SUPPLY
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
D	DRAIN LINE
HG	HOT GAS BYPASS
GS	GLYCOL SUPPLY
GR	GLYCOL RETURN
FOS	FUEL OIL SUPPLY
FOV	FUEL OIL VENT

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

(E)	EXISTING
(F)	FUTURE
AD	ACCESS DOOR
AIR COND	AIR CONDITION(-ING,-ED)
APD	AIR PRESSURE DROP
BD	BALANCING DAMPER
BHP	BRAKE HORSE POWER
BTU	BRITISH THERMAL UNIT
BTUH	BTU/HOUR
CFH	CUBIC FEET PER HOUR
CFM	CUBIC FEET PER MINUTE
CLG	COOLING
COMP	COMPONENT
COND	CONDENS(-ER, -ING, -ATION)
CV	CONTROL VALVE
DB	DRY BULB TEMPERATURE
DCW	DOMESTIC COLD WATER
DHW	DOMESTIC HOT WATER
DHWR	DOMESTIC HOT WATER RECIRC
DIA	DIAMETER
DISCH	DISCHARGE
DP	DEPTH OR DEEP
EA	EXHAUST AIR
EER	ENERGY EFFICIENCY RATIO
EFF	EFFICIENCY
EG	ETHYLENE GLYCOL
ELEC	ELECTRIC
ELEV	ELEVATION
ENT	ENTERING
EVAP	EVAPORAT(-E, -ING, -ED, -OR)
EWT	ENTERING WATER TEMPERATURE
EXT	EXTERNAL
FC	FLEXIBLE CONNECT(-OR, -ION)
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FPI	FINS PER INCH
FPM	FEET PER MINUTE
FPS	FEET PER SECOND
FSD	FIRE SMOKE DAMPER
GAL	GALLON(S)
GE	GREASE EXHAUST
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HEAD
HG	MERCURY
HP	HORSEPOWER
HR	HOUR
HT	HEIGHT
HTG	HEATING
HZ	HERTZ (FREQUENCY)
ID	INSIDE DIAMETER
IN	INCH
KW	KILOWATT
LAT	LEAVING AIR TEMPERATURE
LBS	POUNDS
LG	LENGTH
LH	LATENT HEAT
LRA	LOCKED ROTOR AMPS
LVG	LEAVING
LWT	LEAVING WATER TEMPERATURE
MBH	THOUSAND BTU PER HOUR
MCA	MINIMUM CIRCUIT AMPS
MFR	MANUFACTUR(-ER, -ED)
NC	NORMALLY CLOSED
NC	NOISE CRITERIA
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPSH	NET POSITIVE SUCTION HEAD
NTS	NOT TO SCALE
OA	OUTSIDE AIR
OD	OUTSIDE DIAMETER
OZ	OUNCE
PD	PRESSURE DROP OR DIFFERENCE
PG	PROPOLENE GLYCOL
PH	PHASE
PPM	PARTS PER MILLION
PRESS	PRESSURE
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSIA	PSI ABSOLUTE
PSIG	PSI GAUGE
R	THERMAL RESISTANCE
RA	RETURN AIR
RECIRC	RECIRCULATE
REFR	REFRIGERATION
REQD	REQUIRED
RLA	RATED LOAD AMPS
RPM	REVOLUTIONS PER MINUTE
SA	SUPPLY AIR
SC	SHADING COEFFICIENT
SCFM	STANDARD CUBIC FEET PER MINUTE
SCW	SOFT COLD WATER
SF	SAFETY FACTOR
SH	SENSIBLE HEAT
SL	SEA LEVEL
SP	STATIC PRESSURE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
SW	SOIL, WASTE
TA(R)	TRANSFER AIR (RETURN)
TA(S)	TRANSFER AIR (SUPPLY)
TD	TEMP. DROP OR DIFF.
TEMP	TEMPERATURE
THERM	THERMAL
TOT	TOTAL
TSTAT	THERMOSTAT
V	VOLT
V	VENT
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VEL	VELOCITY TEMPERATURE
VEL	VELOCITY
VENT	VENT, VENTILATION
VERT	VERTICAL
VFD	VARIABLE FREQUENCY DRIVE
VOL	VOLUME
WB	WET BULB TEMP
WC	WATER COLUMN
WG	WATER GAUGE
WPD	WATER PRESSURE DROP
WT	WEIGHT
WTR	WATER

MECHANICAL GENERAL NOTES

1 THE MECHANICAL DRAWINGS SHOW THE GENERAL DESIGN, ARRANGEMENT & EXTENT OF THE MECHANICAL SYSTEM. BECAUSE OF THE SMALL SCALE OF THE DRAWINGS, THESE DRAWINGS DO NOT SHOW ALL OFFSETS, BENDS OR ELBOWS NECESSARY FOR THE COMPLETE INSTALLATION IN THE SPACE PROVIDED. CONTRACTOR SHALL MAKE SUCH SLIGHT ALTERATIONS AS MAY BE NECESSARY TO MAKE THE SYSTEM COMPLETE & OPERATIONAL IN ACCORDANCE WITH THE DESIGN INTENT.

MAJOR DEVIATIONS SUCH AS CHANGES IN COMPONENT SIZES, WEIGHTS, QUANTITIES OR MATERIAL REQUIRE PRIOR APPROVAL BY THE DESIGN ENGINEER.

2 THE DRAWINGS & SPECIFICATIONS HAVE BEEN PREPARED TO SUPPLEMENT EACH OTHER & SHALL BE INTERPRETED AS AN INTEGRAL UNIT WITH THE ITEMS SHOWN ON ONE & NOT THE OTHER BEING FURNISHED & INSTALLED AS THOUGH SHOWN & CALLED OUT IN BOTH.

3 THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO THE REQUIREMENTS OF THE MOST RECENTLY ADOPTED BUILDING CODES, MECHANICAL CODE, PLUMBING CODE, ELECTRICAL CODE, & ALL OTHER APPLICABLE CITY, COUNTY, STATE, & FEDERAL CODES & REGULATIONS IN EFFECT.

4 THE ENTIRE MECHANICAL INSTALLATION SHALL CONFORM TO ANY CODES, RULES, REGULATIONS & REQUIREMENTS OF THE BUILDING OWNER.

5 PRIOR TO FABRICATION & INSTALLATION OF ANY MECHANICAL COMPONENT THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL MECHANICAL WORK WITH ALL OTHER BUILDING TRADES, INCLUDING BUILDING TRADES HIRED DIRECTLY BY THE OWNER. WHERE CONFLICTS MAY OCCUR, THEY SHALL BE RESOLVED PRIOR TO INSTALLATION.

6 THE SPACE ABOVE ALL CEILINGS IS LIMITED. CAREFUL COORDINATION IS REQUIRED WITH ALL TRADES BEFORE ANY PIPE, DUCT, OR EQUIPMENT IS ORDERED & OR INSTALLED. ANY CONFLICTS &/OR CHANGES FOUND DURING INSTALLATION THAT RESULTS FROM THE LACK OF COORDINATION BY THE CONTRACTORS DURING THE SHOP DRAWING PROCESS ARE THE RESPONSIBILITY OF THE CONTRACTOR.

7 ALL MECHANICAL INFORMATION IS NOT SHOWN ON THE MECHANICAL DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL INFORMATION ON ALL OTHER CONSTRUCTION DOCUMENT.

8 THE CONTRACTOR SHALL BE RESPONSIBLE TO REVIEW & USE, WHERE APPROPRIATE, ALL THE MECHANICAL DETAILS SHOWN ON THE DRAWINGS. DETAILS MAY OR MAY NOT BE CALLED OUT ON THE DRAWINGS WITH SYMBOLS OR KEYED NOTES. ANY CHANGES RESULTING FROM FAILURE TO INSTALL THE MECHANICAL SYSTEM WITHOUT USING THE INCLUDED DETAILS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

9 THE STRUCTURE SHOWN ON ALL DETAILS MAY OR MAY NOT PERTAIN TO A PORTION OR ANY PORTION OF THE BUILDING. COORDINATE ALL MOUNTING REQUIREMENTS WITH ARCHITECTURAL & STRUCTURAL DRAWINGS.

10 ANY PART OF THE MECHANICAL INSTALLATION THAT FAILS, IS UNFIT, OR BECOMES DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

11 SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS & GRILLES.

12 CONTRACTOR SHALL OPERATE THE SYSTEM & DEMONSTRATE ALL ASPECTS OF THE SYSTEM TO THE ENGINEER &/OR OWNER TO PROVE ALL SYSTEMS ARE OPERATIONAL.

13 DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A SET OF AS-BUILT REDLINED RECORD DRAINING AT THE PROJECT SITE. ALL CHANGES IN LAYOUT, ROUTING, EQUIPMENT, COMPONENTS, & ACCESSORIES SHALL BE RECORDED. THESE REDLINED DRAWINGS SHALL BE GIVEN TO THE ARCHITECT/ENGINEER AFTER THE FINAL INSPECTION IN ACCORDANCE WITH SPECIFICATIONS.

GENERAL EQUIPMENT NOTES

1 ALL CAPACITIES ARE AT JOB SITE CONDITIONS & ARE MINIMUM CAPACITY.

2 ALL MECHANICAL EQUIPMENT SHALL BE INSTALLED TO CONFORM WITH LOCAL SEISMIC REQUIREMENTS & THE REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS.

3 VERIFY ALL REQUIRED SERVICE CONNECTIONS, INCLUDING ELECTRICAL CHARACTERISTICS FOR ALL EQUIPMENT PRIOR TO ORDERING EQUIPMENT.

4 ALL EQUIPMENT SHALL BE INDEPENDENTLY SUPPORTED FROM STRUCTURAL MEMBERS.

5 ALL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS.

6 ALL SIMILAR EQUIPMENT SHALL BE OF THE SAME MANUFACTURER.

7 AIR INLETS & OUTLETS SHALL BE OF THE SAME MANUFACTURER.

8 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE HVAC EQUIPMENT CHECK-IN, SAFEKEEPING, & DAMAGE.

MECHANICAL SHEET INDEX

M001	MECHANICAL COVER SHEET
M011	COURTYARD 1 MECHANICAL PLANS
M012	COURTYARD 2 MECHANICAL PLANS
M013	COURTYARD 3 MECHANICAL PLANS
M601	MECHANICAL SCHEDULES

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MECHANICAL COVER SHEET

M001

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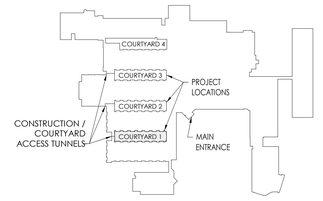
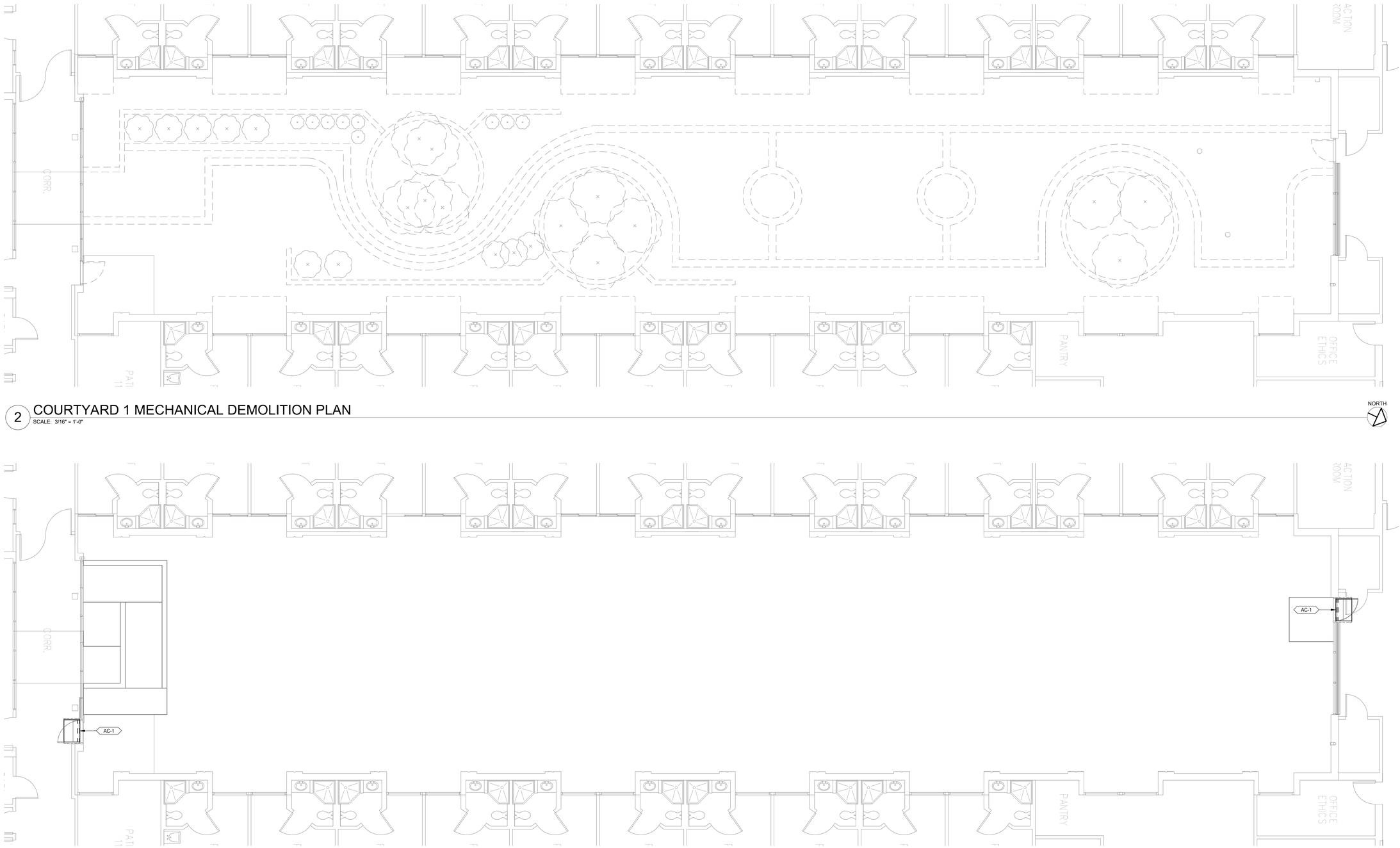
SHEET KEYNOTES



Key Plan - Level 2

NORTH



2 COURTYARD 1 MECHANICAL DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

NORTH

1 COURTYARD 1 MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

NORTH

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COURTYARD 1 MECHANICAL PLANS

M011

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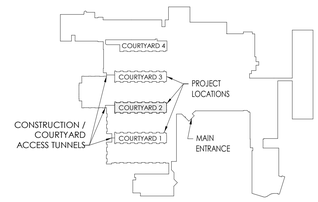
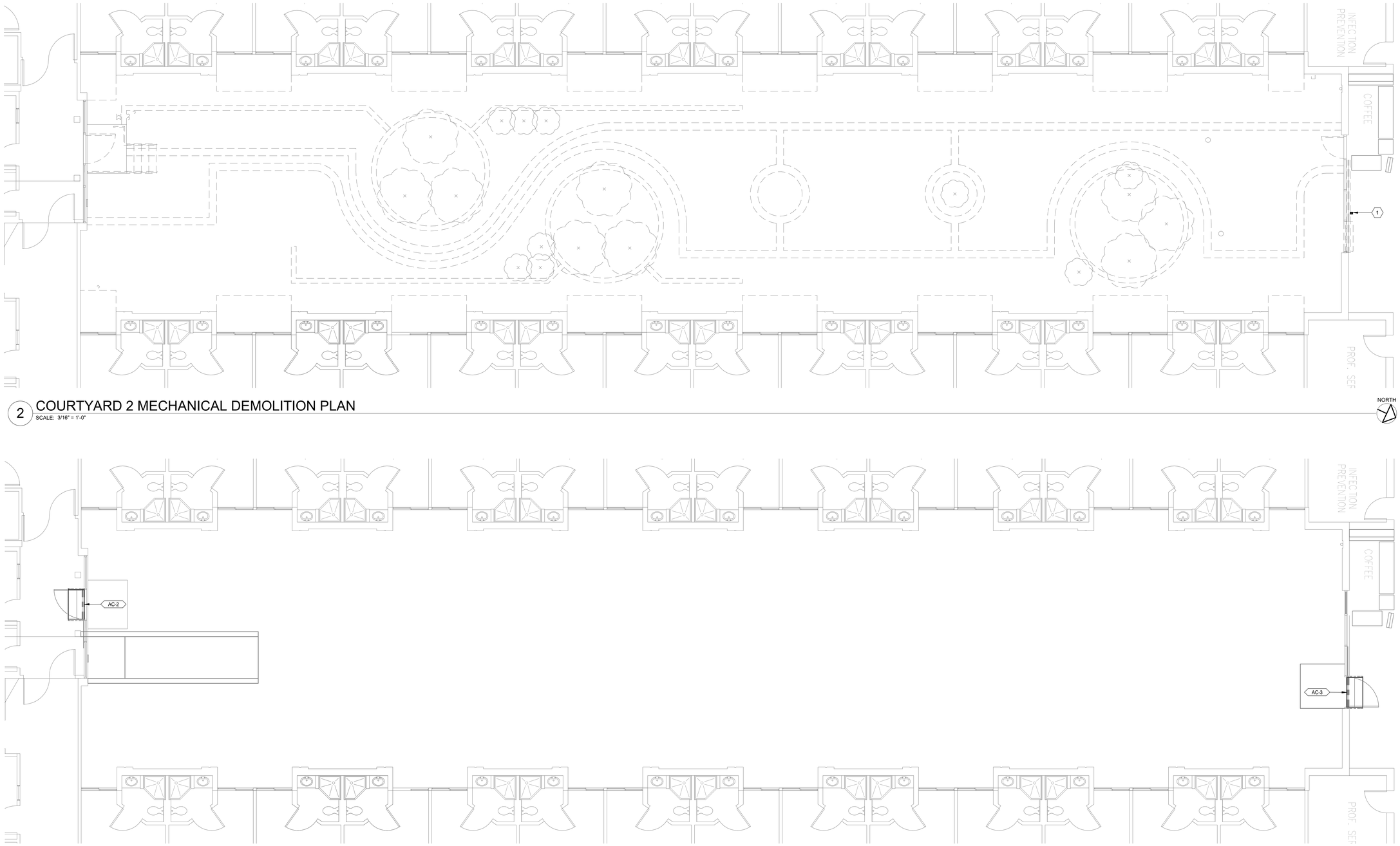
SHEET KEYNOTES

1 DEMO FLOOR MOUNTED RADIATORS. CAP HYDRONIC LINES IN PLACE.



Key Plan - Level 2

NORTH



2 COURTYARD 2 MECHANICAL DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

1 COURTYARD 2 MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

NORTH

NORTH

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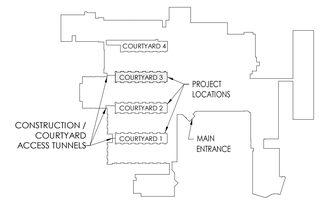
COURTYARD 2 MECHANICAL PLANS

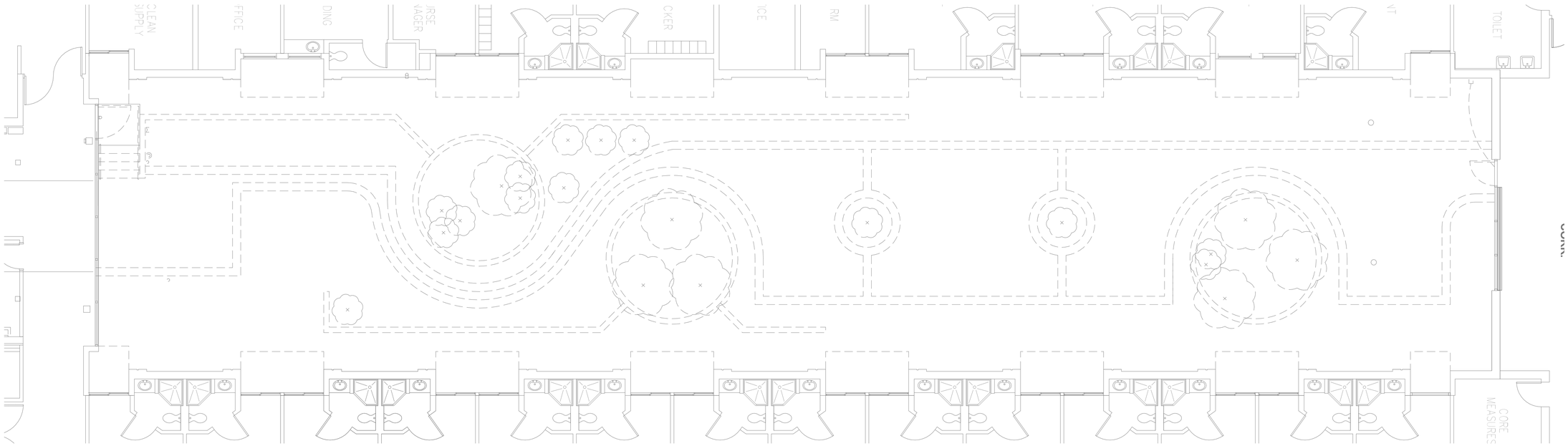
M012

SHEET KEYNOTES



Key Plan - Level 2

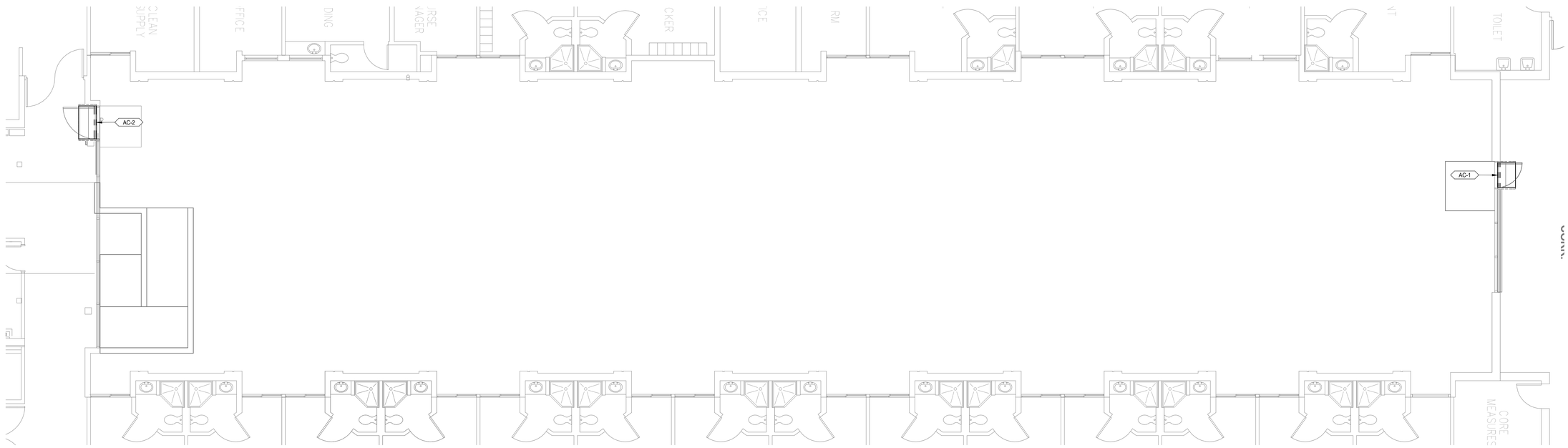
NORTH



2 COURTYARD 3 MECHANICAL DEMOLITION PLAN

SCALE: 3/16" = 1'-0"

NORTH



1 COURTYARD 3 MECHANICAL PLAN

SCALE: 3/16" = 1'-0"

NORTH

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COURTYARD 3 MECHANICAL PLANS

M013

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AIR CURTAIN SCHEDULE

LABEL	MANUFACTURER	MODEL	CFM	NOZZLE VELOCITY (FPM)	SOUND RATING	WEIGHT (LBS)	MOTOR HP	FLA	VOLTAGE	PHASE	Hz	Count	REMARKS
AC-1	Mars Air	PH1036-1UA-PW	1460	3950	66 dBA	60	1/2	5.1 A	115	1	60	3	1-5
AC-2	Mars Air	PH1048-1UA-PW	1632	3895	66 dBA	65	1/2	5.1 A	115	1	60	2	1-5
AC-3	Mars Air	PH1048-1ECB-PW	1632	3895	66 dBA	75	1/2	29.0 A	230	1	60	1	1-5

1. ALL CAPACITIES AT JOB SITE ELEVATION
2. INTERLOCK WITH MANUFACTURER PROVIDED DOOR SWITCH. COORINATE WITH ELECTRICAL.
3. CONTRACTOR TO INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. DESIGN OF UNIT ACCOMODATES AT LEAST 6.56 FPS AT THE FLOOR FOR A CEILING HEIGHT OF 9FT IN COMPLIANCE WITH 2015 IECC SECTION C402.5.7 EXEMPTION 6.
4. PROVIDE WITH MANUFACTURER'S INSTALLATION HARDWARE FOR OVERHEAD, RECESSED CEILING MOUNTED INSTALLATION.
5. ALUMINUM CONSTRUCTION WITH RUST PREVENTATIVE ELECTROSTATIC POLYURETHANE POWDER COATING.

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MECHANICAL SCHEDULES

M601

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SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	**REFERENCE AND LINE SYMBOLS**
01 A5 / E-501	DETAIL INDICATOR: A5 INDICATES DETAIL NUMBER, E-501 INDICATES DRAWING SHEET WHERE DETAIL IS SHOWN.
02 A5 / E-201	ELEVATION OR SECTION INDICATOR, EXTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
03 A5 / E-201	ELEVATION OR SECTION INDICATOR, INTERIOR: A5 INDICATES ELEVATION OR SECTION NUMBER, E-201 INDICATES DRAWING SHEET WHERE ELEVATION OR SECTION IS SHOWN.
04 ROOM NAME 100	ROOM IDENTIFIER WITH ROOM NAME AND NUMBER.
05 1	KEYNOTE INDICATOR.
06 1	REVISION INDICATOR.
07 CU-1	EQUIPMENT INDICATOR.
08 X-X / XMDP	MECHANICAL EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XMDP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
09	BREAK, STRAIGHT: TO BREAK PARTS OF DRAWING
10	BREAK, ROUND
11 MATCH LINE / SEE XX/X-XXX	MATCH LINE INDICATOR: CENTER, EXTRA WIDE LINE.
12	NEW LINE: MEDIUM LINE.
13	HIDDEN FEATURES LINE: HIDDEN, THIN LINE
14	EXISTING TO REMAIN LINE: THIN LINE.
15	DEMOLITION LINE: DASHED, MEDIUM LINE
16	PROPERTY LINE: DASHED, WIDE LINE.
17	CONTRACT LIMIT LINE: DASHDOT, WIDE LINE.
18 XXX / EF-X	ELECTRICAL EQUIPMENT INDICATOR. "XXX" INDICATES TYPE OF EQUIPMENT OR EQUIPMENT ID. "EF-X" IDENTIFIES MECHANICAL EQUIPMENT BEING SERVED. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
19 X-X / XKP	KITCHEN EQUIPMENT INDICATOR. "X-X" INDICATES EQUIPMENT MARK SHOWN ON EQUIPMENT SCHEDULE. "XKP" IDENTIFIES PANEL EQUIPMENT IS CIRCUITED TO. REFER TO EQUIPMENT SCHEDULE FOR ADDITIONAL INFORMATION.
00	**WIRING METHODS**
01	WIRING.
02	WIRING TURNED UP OR TOWARDS OBSERVER.
03	WIRING TURNED DOWN OR AWAY FROM OBSERVER.
04 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
05 1 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. NUMBER IN BOX REFERS TO THE CONDUCTOR AND CONDUIT SCHEDULE. FOR BRANCH WIRING USE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
06 A-1,3,5	BRANCH CIRCUIT HOME RUN TO PANELBOARD: NUMBER OF ARROWS INDICATES NUMBER OF CIRCUITS. LETTER AND NUMBER NOTATIONS IDENTIFY PANEL AND CIRCUIT NUMBERS. SMALL CROSS LINES INDICATE NUMBER OF CONDUCTORS OR CABLES. LARGER CROSS LINE INDICATES EQUIPMENT GROUND. WAVY CROSS LINE INDICATES INSULATED/ ISOLATED GROUND. FOR BRANCH WIRING, CROSS LINES INDICATE #12 CONDUCTORS, EXCEPT #10 CONDUCTORS SHALL BE INSTALLED IF DISTANCES EXCEED THOSE SPECIFIED IN THE ELECTRICAL SPECIFICATIONS.
07	FLEXIBLE WIRING.
08 — X —	WIRING AND/OR RACEWAY: THIN LINE. WHERE "X" = : CATV = CABLE TELEVISION; NC = NURSE CALL CCTV = CLOSED CIRCUIT TELEVISION; P = POWER RC = RIGID CONDUIT FA = FIRE ALARM; S = SOUND FO = FIBER OPTICS; T = TELEPHONE I = INTERCOM; TV = TELEVISION OTHERS AS NOTED IN OTHER SCHEDULES. RACEWAYS AND WIRING SHALL BE SIZED AS SHOWN AND/OR SPECIFIED.
09	LOW VOLTAGE WIRING: DIVIDE, MEDIUM LINE.
10	CONDUIT STUB. DIMENSION RECORD DRAWINGS AND MARK.
11 1	CONDUCTOR & CONDUIT ("CC") SCHEDULE INDICATOR. REFER TO ONE-LINE DIAGRAM.
12 HC	ADA ACCESS PUSH PLATE
13	JUNCTION BOX.
14 SC	JUNCTION BOX, SYSTEMS FURNITURE COMMUNICATION CONNECTION.
15 SE	JUNCTION BOX, SECURITY SYSTEM. PROVIDE CONDUIT AND ROUGH-IN PER SECURITY DRAWINGS.
16	JUNCTION BOX, DUCT, UNDERFLOOR. TRIPLE, DOUBLE OR SINGLE DUCT SYSTEM AS INDICATED BY THE NUMBER OF PARALLEL LINES. DESIGNATIONS AS SHOWN FOR WIRING AND/OR RACEWAY SYMBOLS.
17	DUCT CELL FLOOR HEADER.
18 PB	PULL BOX.
19 C C	CABLE TRAY ABOVE ACCESSIBLE CEILING.
20 W W	WIREWAY.
21	EARTH GROUND (ONE-LINE DIAGRAM).
22 C	JUNCTION BOX, CEILING.
23	LADDER RACK.
24 A A	CABLE TRAY BELOW ACCESSIBLE FLOOR.
25	MECHANICAL EQUIPMENT CONNECTION. REFER TO EQUIPMENT SCHEDULE FOR REQUIREMENTS.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	**WIRING DEVICES**
02	RECEPTACLE, DUPLEX: NEMA 5-20R.
03 A	RECEPTACLE, DUPLEX, ABOVE COUNTER: NEMA 5-20R.
04 C	RECEPTACLE, DUPLEX, CEILING: NEMA 5-20R.
06 DF	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, DRINKING FOUNTAIN: CONCEAL WATER COOLER RECEPTACLE BEHIND WATER COOLER. SEE MECHANICAL/PLUMBING SHOP DRAWINGS FOR INSTALLATION REQUIREMENTS.
08 S	RECEPTACLE, DUPLEX, SWITCHED: NEMA 5-20R.
09 UC	RECEPTACLE, DUPLEX, FLOOR, UNDER CARPET: NEMA 5-20R.
10 W	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WET LABEL, "WEATHERPROOF IN USE": NEMA 5-20R.
11 WP	RECEPTACLE, DUPLEX, WEATHERPROOF: NEMA 5-20R.
13	RECEPTACLE, DUPLEX ON EMERGENCY POWER: NEMA 5-20R.
16	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
19 WP	RECEPTACLE, DUPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER, WEATHERPROOF: NEMA 5-20R.
22	RECEPTACLE, QUADRAPLEX: NEMA 5-20R.
23	RECEPTACLE, QUADRAPLEX ON EMERGENCY POWER: NEMA 5-20R.
27	RECEPTACLE, QUADRAPLEX WITH GROUND FAULT CIRCUIT INTERRUPTER: NEMA 5-20R.
28	RECEPTACLE, SPECIAL PURPOSE. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
29	RECEPTACLE, SPECIAL PURPOSE ON EMERGENCY POWER. PROVIDE RECEPTACLE TO MATCH EQUIPMENT PLUG.
32 C	RECEPTACLE, CLOCK HANGER: NEMA 5-15R.
33	MULTI-OUTLET ASSEMBLY: NEMA 5-20R.
34 D	DROP CORD. SEE DETAIL.
36 FB#	FLUSH FLOOR BOX. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
37 PP#	POWER POLE. "#" SHOWN ON DRAWINGS. REFER TO WIRING DEVICE SCHEDULE IN THE ELECTRICAL SPECIFICATIONS FOR CONFIGURATION AND DEVICES.
39	SWITCH, DIMMER.
40 x $	SWITCH, SINGLE POLE ("x" INDICATES FIXTURES CONTROLLED).
41 x $2	SWITCH, DOUBLE POLE ("x" INDICATES FIXTURES CONTROLLED).
42 x $3	SWITCH, THREE-WAY ("x" INDICATES FIXTURES CONTROLLED).
43 x $4	SWITCH, FOUR-WAY ("x" INDICATES FIXTURES CONTROLLED).
45 $K	SWITCH, KEY OPERATED.
47 $M	SWITCH, MOMENTARY.
51 $WP	SWITCH, WEATHERPROOF.
52 T	RECEPTACLE, DUPLEX, TAMPER RESISTANT: NEMA 5-20R.
56	RECEPTACLE, SINGLE PLEX, WITH USB OUTLET
57	RECEPTACLE, DULEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
58	RECEPTACLE, QUADRAPLEX, RECESSED, NEMA 5-20R, AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
59	INDICATES A RECEPTACLE IS AUTOMATICALLY CONTROLLED THROUGH TIME OR OCCUPANCY BASED CONTROLS (REFER TO PLANS FOR CONTROL METHOD)
00	**FIRE ALARM**
02 FCP	FIRE ALARM CONTROL PANEL, SEMI-RECESSED.
07 CM	CONTROL MODULE.
08 MM	MONITOR MODULE.
09 P	FIRE ALARM MANUAL PULL STATION.
10 R	SHUT DOWN RELAY: INSTALL RELAY IN CONTROL CIRCUIT OF EQUIPMENT TO BE CONTROLLED IN THE EVENT OF A FIRE.
11	MAGNETIC DOOR HOLDER.
15	DETECTOR, SMOKE.
22	DETECTOR, SMOKE, DUCT WITH HOUSING AND SAMPLING TUBE.
23	DETECTOR, HEAT.
25	STROBE.
27 WP	ALARM, HORN/SPEAKER, WEATHERPROOF.
28	ALARM, HORN/STROBE, ONE ASSEMBLY.
35	DETECTOR, FLOW SWITCH: FLOW SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
36	DETECTOR, TAMPER SWITCH WITH VALVE: TAMPER SWITCHES SHALL BE PROVIDED AND INSTALLED WITH FIRE SPRINKLER SYSTEM AND SHALL BE CONNECTED TO LOCATIONS SHOWN ON THE FIRE SPRINKLER SHOP DRAWINGS.
37 SD	SMOKE DAMPER.
38 FSD	FIRE AND SMOKE DAMPER.
40 CO	DETECTOR, CARBON MONOXIDE.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	**ELECTRICAL POWER AND DISTRIBUTION**
01	FUSE WITH RATING (ONE-LINE DIAGRAM).
02	DISCONNECT, FUSED (ONE-LINE DIAGRAM).
03	DISCONNECT, NONFUSED (ONE-LINE DIAGRAM).
04	DISCONNECT WITH FUSE AND MOTOR STARTER COMBINATION (ONE-LINE DIAGRAM).
05	OVERLOAD RELAY (ONE-LINE DIAGRAM).
06	STARTER (ONE-LINE DIAGRAM).
07	CIRCUIT BREAKER, MOLDED CASE (ONE-LINE DIAGRAM).
08	CIRCUIT BREAKER, MOLDED CASE WITH SHUNT TRIP (ONE-LINE DIAGRAM).
10	CIRCUIT BREAKER, SOLID STATE (ONE-LINE DIAGRAM).
11 GFP	CIRCUIT BREAKER, SOLID STATE WITH GROUND FAULT PROTECTION (ONE-LINE DIAGRAM).
12	MOTOR.
16	TRANSFORMER (ONE-LINE DIAGRAM).
20	DELTA CONNECTION (ONE-LINE DIAGRAM).
21	WYE CONNECTION (ONE-LINE DIAGRAM).
23 225/3 "1H"	PANELBOARD WITH MAIN LUGS ONLY. BUS SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
24 225/3 "1H"	PANELBOARD WITH MAIN CIRCUIT BREAKER. SIZE AND PHASE AS SHOWN (ONE-LINE DIAGRAM).
25 225/3 "1H" 60/3	PANELBOARD WITH MAIN AND SUB FEED CIRCUIT BREAKER (ONE-LINE DIAGRAM).
26 225/3 "1H" 25/3	PANELBOARD WITH MAIN LUGS ONLY AND SURGE PROTECTION WITH CIRCUIT BREAKER (ONE-LINE DIAGRAM).
27 225/3 "1H" 225/3 "1H"	PANELBOARD WITH SUB FEED LUGS (ONE-LINE DIAGRAM).
31	TRANSFER SWITCH (ONE-LINE DIAGRAM).
32 DMM	DIGITAL MULTIMETER (ONE-LINE DIAGRAM).
33	SERVICE ENTRANCE SURGE PROTECTION (ONE-LINE DIAGRAM).
38 VFC VFD	VARIABLE FREQUENCY MOTOR CONTROLLER (ONE-LINE DIAGRAM).
41	DISCONNECT SWITCH, FUSED.
42	DISCONNECT SWITCH, UNFUSED.
43	STARTER, COMBINATION WITH DISCONNECT SWITCH.
44	STARTER OR MOTOR CONTROLLER.
45	PUSHBUTTON.
46	PUSHBUTTONS, MOTOR CONTROL.
47	PANELBOARD CABINET, FLUSH MOUNTED.
48	PANELBOARD CABINET, SURFACE MOUNTED, 1 SECTION.
49	PANELBOARD CABINET, SURFACE MOUNTED, 2 SECTION.
50 DP#__	DISTRIBUTION PANEL OR SWITCHBOARD.
51 LP	LIGHTING RELAY, CONTACTOR PANEL, OR DIMMING ENCLOSURE.
52	LIGHTING CONTROL STATION.
55 $ST	SWITCH, TOGGLE MOTOR STARTER WITH OVERLOAD PROTECTION.
56 75	TRANSFORMER: NUMBER INDICATES kVA.
76	SPECIALIZED TRANSFER SWITCH (ONE-LINE DIAGRAM).
77 HC	ACCESSIBLE DOOR ENTRY PUSH PLATE OPERATOR.

SYMBOLS LEGEND

SYMBOL	DESCRIPTION
00	**LIGHTING (REFER TO FIXTURE SCHEDULE FOR SYMBOLS)**
01 (W-3)	FIXTURE IDENTIFICATION: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
02 (W-3)	FIXTURE IDENTIFICATION, EMERGENCY WITH BATTERY PACK, CONNECTED TO GENERATOR AS INDICATED: (W-3) INDICATES FIXTURE TYPE AS SCHEDULED.
03 EM	EMERGENCY.
04 NL	NIGHT LIGHT: DO NOT SWITCH.
05	EGRESS DIRECTION ARROW (EXIT SIGNS).
06 LV	LOW VOLTAGE LIGHTING TRANSFORMER.
07	EXIT SIGN: SINGLE FACE; CEILING MOUNTED
08	EXIT SIGN: SINGLE FACE; WALL MOUNTED
09	EXIT SIGN: DOUBLE FACE; CEILING MOUNTED
10	EXIT SIGN: DOUBLE FACE; WALL MOUNTED
00	**LIGHTING CONTROL**
01	OCCUPANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
02	OCCUPANCY SENSOR, DUAL TECHNOLOGY, WALL.
03	OCCUPANCY SENSOR, DUAL TECHNOLOGY, DIRECTIONAL.
04 U	OCCUPANCY SENSOR, ULTRASONIC, OMNI-DIRECTIONAL, CEILING.
05 R	OCCUPANCY SENSOR CONTROL RELAY.
06	VACANCY SENSOR, DUAL TECHNOLOGY, OMNI-DIRECTIONAL, CEILING.
07	VACANCY SENSOR, DUAL TECHNOLOGY, WALL.
08 P	PHOTOCELL.
09 TC	TIME CLOCK.
10 HR 1	HOUSE RELAY SCHEDULE INDICATOR.
11 101 1-1-1	LITE TOUCH STATION INDICATOR.
12	CEILING FAN.
13 SP	OCCUPANCY SENSOR, SWITCH PACK.
14	SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
15	SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
16	DIMMER SWITCH/OCCUPANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
17	DIMMER SWITCH/VACANCY SENSOR COMBO, DUAL TECHNOLOGY, WALL.
18 a,b	LOW VOLTAGE DIGITAL LIGHTING CONTROL SWITCH: LETTER "a,b" INDICATES ZONING WHERE SHOWN (REFER TO PLANS, SCHEDULES, AND DETAILS FOR EXACT BUTTON CONFIGURATION AND PROGRAMMING REQUIREMENTS)
19 DC	DIGITAL LIGHTING DIMMING CONTROLLER
20 LC	DIGITAL PLUG LOAD CONTROLLER
21 LS	LIGHTING NETWORK SWITCH.
22 NR	LIGHTING NETWORK ROUTER.
23 RC	DIGITAL LIGHTING ROOM CONTROLLER
25 SM	LIGHTING NETWORK SEGMENT MANAGER
26 L X	LIGHTING SPACE CONTROL TYPE. X INDICATES TYPE. SEE SCHEDULE / DIAGRAM.
00	**STRUCTURED CABLING**
01	COMMUNICATIONS DEVICE (1 DATA).
02	COMMUNICATIONS DEVICE (1 DATA / 1 ANALOG).
03	COMMUNICATIONS DEVICE (1 DATA WALL PHONE).
04	COMMUNICATIONS DEVICE (2 DATA).
05 3	COMMUNICATIONS DEVICE (3 DATA).
06 4	COMMUNICATIONS DEVICE (4 DATA).
07 6	COMMUNICATIONS DEVICE (6 DATA).
08 M	COMMUNICATIONS DEVICE PHYSIOLOGICAL MONITOR (1 DATA).
09 WAP	COMMUNICATIONS DEVICE WIRELESS ACCESS POINT (2 DATA).
00	**CCTV**
01 P	CCTV CABLE, POWER.
02 V	CCTV CABLE, VIDEO SIGNAL.
03 CCTV	CCTV HEADEND EQUIPMENT.
04 M	CCTV MONITOR.
05	CCTV CAMERA/ENCLOSURE WITH LENS, TYPICAL. SEE SCHEDULE.
06 PTZ	CCTV CAMERA WITH PAN, TILT AND ZOOM.
07 360°	PANNING CAMERA TRANSVERSE ANGLE.
00	**SECURITY**
01 X	SECURITY CABLE. SEE EQUIPMENT SCHEDULE FOR CABLE TYPE.
02 ACC	ACCESS CONTROL HEADEND EQUIPMENT.
03 CTR	SECURITY CONTROL PANEL.
04 SEC	INTRUSION DETECTION HEADEND EQUIPMENT.
05 #1	CARD ACCESS DOOR TYPE #1 OR AS NOTED. SEE SCHEDULE.
06 CR	CARD READER.
07 KCR	KEYPAD/CARD READER COMBINATION.
21 P	PANIC DURESS SWITCH.

ABBREVIATIONS

NOTE: ALL ABBREVIATIONS MAY NOT BE USED.

1P	SINGLE POLE	kV	KILOVOLT
1PH	SINGLE-PHASE	kVA	KILOVOLT AMPERE
1WAY	ONE-WAY	kVAR	KILOVOLT AMPERE REACTIVE
2/C	TWO-CONDUCTOR	kW	KILOWATT
2WAY	TWO-WAY	kWh	KILOWATT HOUR
3/C	THREE-CONDUCTOR	LED	LIGHT EMITTING DIODE
3WAY	THREE-WAY	LFMC	LIQUID TIGHT FLEXIBLE METAL CONDUIT
4OUT	QUADRUPLE RECEPTACLE OUTLET	LFNC	LIQUID TIGHT FLEXIBLE NONMETALLIC CONDUIT
4PDT	FOUR-POLE DOUBLE THROW	LPS	LOW PRESSURE SODIUM
4PST	FOUR-POLE SINGLE THROW	LRA	LOCKED ROTOR AMPS
4W	FOUR-WIRE	LTG	LIGHTING
4WAY	FOUR-WAY	LV	LOW VOLTAGE
A	ABOVE COUNTER	MATV	MASTER ANTENNA TELEVISION SYSTEM
AC	ARMORED CABLE	MAX	MAXIMUM
ADA	AMERICANS WITH DISABILITIES ACT	MC	METAL CLAD
ADJ	ADJACENT	MCA	MINIMUM CIRCUIT AMPS
AFF	ABOVE FINISHED FLOOR	MCB	MAIN CIRCUIT BREAKER
AFG	ABOVE FINISHED GRADE	MCC	MOTOR CONTROL CENTER
AIC	AMPERE INTERRUPTING CAPACITY	MCP	MOTOR CIRCUIT PROTECTION
ALUM	ALUMINUM	MDP	MAIN DISTRIBUTION PANEL
AMP	AMPERE	MG	MOTOR GENERATOR
ANN	ANNUNCIATOR	MH	MANHOLE
AP	ACCESS POINT (WIRELESS DATA)	MIN	MINIMUM
AR	AS REQUIRED	MLO	MAIN LUGS ONLY
ASC	AMPS SHORT CIRCUIT	MOCP	MAXIMUM OVERCURRENT PROTECTION
ATS	AUTOMATIC TRANSFER SWITCH	NA	NOT APPLICABLE
AV	AUDIO VISUAL	NC	NORMALLY CLOSED
AWG	AMERICAN WIRE GAGE	NEC	NATIONAL ELECTRICAL CODE
BB XFMR	BUCK-BOOST TRANSFORMER	NEMA	NATIOANL ELECTRICAL MANUFACTURERS ASSOCIATION
C	CEILING MOUNTED	NFC	NATIONAL FIRE CODE
CATV	COMMUNITY ANTENNA TELEVISION	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CCBA	CUSTOM COLOR AS SELECTED BY ARCHITECT	NL	NIGHT LIGHT
CCTV	CLOSED CIRCUIT TELEVISION	NO	NORMALLY OPEN
CF/CI	CONTRACTOR FURNISHED/ CONTRACTOR INSTALLED	NTS	NOT TO SCALE
CF/OI	CONTRACTOR FURNISHED/ OWNER INSTALLED	OC	ON CENTER
CFBA	CUSTOM FINISH AS SELECTED BY ARCHITECT	OCP	OVER CURRENT PROTECTION
CKT	CIRCUIT	OF/CI	OWNER FURNISHED/ CONTRACTOR INSTALLED
CM	CONSTRUCTION MANAGER	OF/OI	OWNER FURNISHED/ OWNER INSTALLED
CND	CONDUIT	OFP	OBTAIN FROM PLANS
CO	CONVENIENCE OUTLET	OH DR	OVERHEAD (COILING) DOOR
COR	CONTRACTING OFFICER'S REPRESENTATIVE	OL	OVERLOAD
CP	CONTROL PANEL	PB	PUSHBUTTON
CT	CURRENT TRANSFORMER	PF	POWER FACTOR
CTV	CABLE TELEVISION	PH	PHASE
CU	COPPER	PNL	PANEL
dBA	UNIT OF SOUND LEVEL	PT	POTENTIAL TRANSFORMER
DPDT	DOUBLE POLE, DOUBLE THROW	PTZ	PAN/TILT/ZOOM
DS	DISCONNECT SWITCH	QTY	QUANTITY
EA	EACH	R	REMOVE
EM	EMERGENCY	RCP	REFLECTED CEILING PLAN
EMT	ELECTRICAL METALLIC TUBING	RMC	RIGID METAL CONDUIT
ENT	ELECTRIC NONMETALLIC TUBING	RNC	RIGID NONMETAL CONDUIT
EPO	EMERGENCY POWER OFF	RPM	REVOLUTIONS PER MINUTE
EQUIP	EQUIPMENT	RR	REMOVE AND RELOCATE
EX	EXISTING	S/S	START/STOP
F	FURNITURE MOUNTED	SCA	SHORT CIRCUIT AMPS
FA	FIRE ALARM	SCBA	STANDARD COLOR AS SELECTED BY ARCHITECT
FCP	FIRE ALARM CONTROL PANEL	SF	SQUARE FOOT (FEET)
FLA	FULL LOAD AMPS	SFBA	STANDARD FINISH AS SELECTED BY ARCHITECT
FMC	FLEXIBLE METAL CONDUIT	SPD	SURGE PROTECTIVE DEVICE
FOB	FREIGHT ON BOARD	SPDT	SINGLE POLE, DOUBLE THROW
FVNR	FULL VOLTAGE NON-REVERSING	SPEC	SPECIFICATION
FVR	FULL VOLTAGE REVERSING	SPST	SINGLE POLE, SINGLE THROW
G	GROUND	ST	SINGLE THROW
GEN	GENERATOR	SWBD	SWITCHBOARD
GFCI	GROUND FAULT INTERRUPTER	SWGR	SWITCHGEAR
GFP	GROUND FAULT PROTECTION	TL	TWIST LOCK
HD	HEAVY DUTY	TP	TELEPHONE POLE
HID	HIGH INTENSITY DISCHARGE	TP	TWISTED PAIR
HOA	HAND-OFF-AUTOMATIC	TTB	TELEPHONE TERMINAL BOARD
HP	HORSE POWER	TV	TELEVISION
HPF	HIGH POWER FACTOR	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSER
HPS	HIGH PRESSURE SODIUM	TYP	TYPICAL
HV	HIGH VOLTAGE	UF	UNDERFLOOR
HZ	HERTZ	UGND	UNDERGROUND
I/O	INPUT/ OUTPUT	UPS	UNINTERRUPTIBLE POWER SUPPLY
IG	ISOLATED GROUND	V	VOLTS
IMC	INTERMEDIATE METAL CONDUIT	VA	VOLT AMPERE
IN/IS	INSULATED/ ISOLATED	VFC/VFD	VARIABLE FREQUENCY MOTOR CONTROLLER
IR	INFRARED	W/	WITH
J-BOX	JUNCTION BOX	W/O	WITHOUT
		WP	WEATHERPROOF
		XFMR	TRANSFORMER

DEFINITIONS

NOTE: ALL DEFINITIONS MAY NOT BE USED.

INDICATED: THE TERM "INDICATED" REFERS TO GRAPHIC REPRESENTATIONS, NOTES, OR SCHEDULES ON THE DRAWINGS, OTHER PARAGRAPHS OR SCHEDULES IN THE SPECIFICATIONS, AND SIMILAR REQUIREMENTS IN THE CONTRACT DOCUMENTS. WHERE TERMS SUCH AS "SHOWN", "NOTED", "SCHEDULED", AND "SPECIFIED" ARE USED, IT IS TO HELP THE READER LOCATE THE REFERENCE, NO LIMITATION ON LOCATION IS INTENDED.

DIRECTED: TERMS SUCH AS "DIRECTED", "REQUESTED", AUTHORIZED", "SELECTED", "APPROVED", "REQUIRED", AND "PERMITTED" MEAN "DIRECTED BY THE ENGINEER", "REQUESTED BY THE ENGINEER", AND SIMILAR PHRASES.

APPROVED: THE TERM "APPROVED", WHERE USED IN CONJUNCTION WITH THE ENGINEER'S ACTION ON THE CONTRACTOR'S SUBMITTALS, APPLICATIONS, AND REQUESTS, IS LIMITED TO THE ENGINEER'S DUTIES AND RESPONSIBILITIES AS STATED IN GENERAL AND SUPPLEMENTARY CONDITIONS.

FURNISH: THE TERM "FURNISH" IS USED TO MEAN "SUPPLY AND DELIVER TO THE PROJECT SITE, READY FOR UNLOADING, UNPACKING, ASSEMBLY, INSTALLATION, AND SIMILAR OPERATIONS."

INSTALL: THE TERM "INSTALL" IS USED TO DESCRIBE OPERATIONS AT PROJECT SITE INCLUDING THE ACTUAL "UNLOADING, UNPACKING, ASSEMBLY, ERECTION, PLACING, ANCHORING, APPLYING, WORKING TO DIMENSION, FINISHING, CURING, PROTECTING, CLEANING, AND SIMILAR OPERATIONS."

PROVIDE: THE TERM "PROVIDE" MEANS "TO FURNISH AND INSTALL, COMPLETE AND READY FOR THE INTENDED USE."

INSTALLER: AN "INSTALLER" IS THE CONTRACTOR OR AN ENTITY ENGAGED BY THE CONTRACTOR, EITHER AS AN EMPLOYEE, SUBCONTRACTOR, OR SUB-SUBCONTRACTOR, FOR PERFORMANCE OF A PARTICULAR CONSTRUCTION ACTIVITY, INCLUDING INSTALLATION, ERECTION, APPLICATION, AND SIMILAR OPERATIONS. INSTALLERS ARE REQUIRED TO BE EXPERIENCED IN THE OPERATIONS THEY ARE ENGAGED TO PERFORM.

TECHNOLOGY SYSTEMS: THE TERM "TECHNOLOGY SYSTEMS" IS USED TO DESCRIBE ALL LOW VOLTAGE SYSTEMS GENERALLY REFERRED TO AS "SPECIAL SYSTEMS". THESE SYSTEMS INCLUDE BUT ARE NOT NECESSARILY LIMITED TO ALL SYSTEMS WHICH UTILIZE VOLTAGES OF LESS THAN 71 VOLTS SUCH AS SOUND SYSTEMS, VIDEO SYSTEMS, TV SYSTEMS, SECURITY SYSTEMS, VOICE AND DATA CABLING SYSTEMS, ETC...

GENERAL ELECTRICAL NOTES

1. CLARIFICATION METHODS: AT THE TIME OF BIDDING, BIDDERS SHALL FAMILIARIZE THEMSELVES WITH THE DRAWINGS AND SPECIFICATIONS. ANY QUESTIONS, MISUNDERSTANDINGS, CONFLICTS, DELETIONS, DISCONTINUED PRODUCTS, CATALOG NUMBER DISCREPANCIES, DISCREPANCIES BETWEEN THE EQUIPMENT SUPPLIED AND THE INTENT OR FUNCTION OF THE EQUIPMENT, ETC, SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION PRIOR TO ISSUANCE OF THE FINAL ADDENDUM AND BIDDING OF THE PROJECT. WHERE DISCREPANCIES OR MULTIPLE INTERPRETATIONS OCCUR, THE MOST STRINGENT (WHICH IS GENERALLY RECOGNIZED AS THE MOST COSTLY) THAT MEETS THE INTENT OF THE DOCUMENTS SHALL BE ENFORCED.

2. OWNER FURNISHED ITEMS: THE OWNER WILL FURNISH MATERIAL AND EQUIPMENT AS INDICATED IN THE CONTRACT DOCUMENTS TO BE INCORPORATED INTO THE WORK. THESE ITEMS ARE ASSIGNED TO THE INSTALLER AND COSTS FOR RECEIVING, HANDLING, STORAGE, IF REQUIRED, AND INSTALLATION ARE INCLUDED IN THE CONTRACT SUM.

   A. THE INSTALLER'S RESPONSIBILITIES ARE THE SAME AS IF THE INSTALLER FURNISHED THE MATERIALS OR EQUIPMENT.

   B. THE OWNER WILL ARRANGE AND PAY FOR DELIVERY OF OWNER FURNISHED ITEMS FREIGHT ON BOARD JOB SITE AND THE INSTALLER WILL INSPECT DELIVERIES FOR DAMAGE. IF OWNER FURNISHED ITEMS ARE DAMAGED, DEFECTIVE OR MISSING, DOCUMENT DAMAGED ITEMS WITH THE TRANSPORT COMPANY AND THE OWNER WILL ARRANGE FOR REPLACEMENT. THE OWNER WILL ALSO ARRANGE FOR MANUFACTURER'S FIELD SERVICES, AND THE DELIVERY OF MANUFACTURER'S WARRANTIES AND BONDS TO THE INSTALLER.

   C. THE INSTALLER IS RESPONSIBLE FOR DESIGNATING THE DELIVERY DATES OF OWNER FURNISHED ITEMS AND FOR RECEIVING, UNLOADING AND HANDLING OWNER FURNISHED ITEMS AT THE SITE.THE INSTALLER IS RESPONSIBLE FOR PROTECTING OWNER FURNISHED ITEMS FROM DAMAGE, INCLUDING DAMAGE FROM EXPOSURE TO THE ELEMENTS, AND TO REPAIR OR REPLACE ITEMS DAMAGED AS A RESULT OF HIS OPERATIONS.

3. EXPOSED STRUCTURE AREAS (EXCLUDING MECHANICAL, ELECTRICAL, AND COMMUNICATION SPACES): INSTALL RACEWAYS BETWEEN DECK AND STRUCTURE WHEREVER POSSIBLE IN EXPOSED STRUCTURE CEILING AREAS. ROUTE RACEWAYS IN CONCEALED AREAS WHEREVER POSSIBLE. REFER ALL CONDITIONS WHERE RACEWAYS MUST BE INSTALLED WHICH CANNOT COMPLY WITH THESE REQUIREMENTS TO THE ARCHITECT.

4. SUBMITTALS: PROVIDE ORIGINAL ELECTRONIC PDF FORMAT, BOUND, BOOKMARKED (EACH SECTION AND PRODUCT), AND HIGHLIGHTED. JOB NAME AND SUBCONTRACTOR SHALL BE ON THE FRONT COVER. PREPARE INDEX OF EQUIPMENT SUBMITTED IN EACH TAB.

5. REFLECTED CEILING PLANS: COORDINATE THE LOCATION OF LIGHT FIXTURES WITH THE ARCHITECTURAL REFLECTED CEILING PLANS. REFER ALL DISCREPANCIES TO THE ARCHITECT AND ENGINEER.

6. ALL WORK SHALL BE DONE ACCORDING TO THE CURRENT NATIONAL ELECTRIC CODE (NEC), IBC, NFPA, AND IFC. COMPLIANCE AND FINAL APPROVAL IS SUBJECT TO THE ON SITE FIELD INSPECTION OF THE AHJ.

ELECTRICAL SHEET INDEX

EE001	SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES
EE501	ELECTRICAL DETAILS & SCHEDULES
EE701	TYPICAL MOUNTING HEIGHT DETAILS
ED101	LEVEL 1 ELECTRICAL DEMOLITION PLAN
EP100	OVERALL ELECTRICAL PLAN
EP101	LEVEL 1 POWER PLAN
EL101	LEVEL 1 LIGHTING PLAN

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Construction Documents March 8, 2018

SHEET INDEX, ABBREVIATIONS, AND GENERAL NOTES

EE001

EQUIPMENT SCHEDULE KEY

E	DIVISION 16
Q	FURNISHED WITH THE EQUIPMENT
*	COORDINATE WITH THE DIVISION 15 TEMPERATURE CONTROL INSTALLER
**	AUTOMATIC CONTROL WIRING BY DIVISION 15

EQUIPMENT SCHEDULE

MARK	ITEM DESCRIPTION	LOAD DATA							WIRE AND CONDUIT SIZE	COND. AND CONDUIT SCHED.	OVERCURRENT PROTECTION			DISCONNECT			STARTER DATA														NOTES	MARK
		HP	kW	MCA	FLA	VOLT	PH	Hz			FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	FURN BY	DEVICE	LOCATION	SIZE	SPEED	CTRL VOLT	SELECTOR SWITCH	PUSH BUTTON	PILOT LAMP	NORMALLY OPEN CONTACTS	NORMALLY CLOSED CONTACTS	PHASE FAILURE RELAY	SCHEMATIC REFERENCE	REMOTE CTRL		
AC-1	AIR CURTAIN				5.1	120	1	60	2 #12, #12 GR 0.75" CND	1	E	20A/1P CB	PANEL	E	20A/1P SWITCH	ADJ TO EQUIP																AC-1
AC-2	AIR CURTAIN				5.1	120	1	60	2 #12, #12 GR 0.75" CND	1	E	20A/1P CB	PANEL	E	20A/1P SWITCH	ADJ TO EQUIP																AC-2
AC-3	AIR CURTAIN				32	208	1	60	3 #8, #10 GR 1" CND	8	E	40A/3P CB	PANEL	E	60A/2P FRN 40	ADJ TO EQUIP																AC-3

LIGHTING FIXTURE SCHEDULE

NOTE TO BIDDERS: COMPLY WITH SECTIONS 16511, 16521, AND 16570 OF THE SPECIFICATIONS.
REFER TO SPECIFICATIONS FOR IMPORTANT TECHNICAL REQUIREMENTS FOR LIGHTING FIXTURES, BALLASTS, AND LAMPS. THE CATALOG NUMBERS LISTED BELOW HAVE BEEN CAREFULLY PREPARED TO ASSIST BIDDERS IN SELECTING PRODUCTS TO ACHIEVE THE DESIGN CONCEPT, HOWEVER, PRIOR TO BIDDING, EACH MANUFACTURER SHALL COMPARE THE CATALOG NUMBERS SHOWN WITH THE DESCRIPTION AND REQUIREMENTS ON THE DRAWINGS, AND SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES. SPECIFICALLY INCLUDED IN THIS EVALUATION SHALL BE THE VERIFYING OF PROPER MOUNTING KITS OR ACCESSORIES TO FACILITATE INSTALLATION AS SHOWN AT EACH LOCATION ON THE DRAWINGS. NO ALLOWANCE OR REDRESS WILL BE ALLOWED FOR DISCREPANCIES THAT WERE NOT REPORTED TO THE ARCHITECT/ENGINEER IN TIME FOR CORRECTION OR CLARIFICATION BEFORE THE BID. THE REPORTING OF ANY AMBIGUITY IS THE RESPONSIBILITY OF THE BIDDER. PROVIDE UNIT PRICES AND FIXTURE BRAND SELECTED FOR ADD/DELETE CHANGES FOR EACH FIXTURE TYPES SHOWN WITHIN 48 BUSINESS HOURS OF THE BID DATE. FAILURE TO COMPLY WITH THIS REQUIREMENT MAY DISQUALIFY THE PRODUCTS AND EMPOWER THE ENGINEER TO DETERMINE FAIR VALUE FOR FIXTURE AND INSTALLATION CHANGES, WITHOUT FURTHER INPUT FROM THE CONTRACTOR OR INSTALLER. SUBMITTAL PACKAGE SHALL INCLUDE LAMP MANUFACTURER AND CATALOG NUMBER ON EACH FIXTURE SHEET. ON ALL PENDANT MOUNTED FIXTURES, PROVIDE A SECOND SET OF PENDANTS, OF A DIFFERENT LENGTH, AS DIRECTED BY THE ARCHITECT/ENGINEER, PROVIDED AND INSTALLED AT NO ADDITIONAL CHARGE. ALL FIXTURES SHALL BE APPROVED BY UL OR ANOTHER ACCEPTABLE TESTING LAB FOR THE PURPOSE INTENDED AND WITH THE LAMP AND BALLAST PROPOSED. CONTRACTOR ALLOWANCE PRICES ARE ACCURATE WHEN THIS JOB WAS SPECIFIED, CONTRACTOR AND ELECTRICAL DISTRIBUTOR SHALL VERIFY THIS ALLOWANCE AND REPORT ANY PROBLEMS TO THE ENGINEER BEFORE THE BID. ALLOWANCE PRICE MAY OR MAY NOT INCLUDE LAMP(S) OR FREIGHT AS NOTED, AND DO NOT INCLUDE ANY TAXES. UNIVERSAL VOLTAGE (120/277)
BALLASTS REQUIRED UNLESS NOTED OTHERWISE. DIMENSION SEQUENCE = (LENGTH X WIDTH X DEPTH) IN INCHES.

SYMBOL	MARK	FIXTURE CHARACTERISTICS BODY / AIR / MOUNTING / DOOR LENS/LOUVER/REFLECTOR/OTHER	LAMP	WATTS	VOLTS	MANUFACTURER	CATALOG NUMBER	NOTES
	E10	EXIT SIGN: METAL HOUSING; WALL MOUNT, SEE DRAWINGS; ARROWS PER PLANS; LED LAMPS; EDGE LIGHTED CLEAR LENS; GREEN LETTERS ON CLEAR BACKGROUND. MUST MEET NFPA ILLUMINATION STANDARDS. UNITS SHOWN ARE CEILING MOUNT MODELS. CONTRACTOR TO PROVIDE MATCHING LOW LEVEL WALL MOUNTED UNITS WHERE REQUIRED.						
	E10-1	SINGLE FACE: GREEN NO BATTERY	LED	5w	120/277V	DUAL-LITE MCPHILBEN EELP EVENLITE LITHONIA ISOLITE CHLORIDE LIGHTOLIER	LECSGWA 45VL-1-GC-XX EDG 1 GC W EM SOV AS G 1M WH RC XX EDGG W 1 GMR EDGL-S-S-G-BK STDLX-X-1-GC-X LEAC1GCX	
	E10-2	DUAL FACE: GREEN NO BATTERY	LED	5W	120/277V	DUAL-LITE MCPHILBEN EELP EVENLITE LITHONIA ISOLITE CHLORIDE LIGHTOLIER	LECDGWA 45VL-2-GM-XX EDG 2 GC W EM SOV AS G 2M WH RC XX EDGR W 2 G EDGL-D-S-G-BK STDLX-X-2-GC-X LEAC2GC7	
	OC	WALL PACK: ADJUSTABLE CUT OFF; FULL PERIMETER GASKETING: WET LOCATION: STAINLESS STEEL HINGES AND LATCHES; PROJECTING LENS; HPF BALLAST; SEE ELEVATION FOR MOUNTING HEIGHT, COLOR AS SPECIFIED BY ARCHITECT.						
	OC-32	LED, RECESSED J BOX. DECORATIVE. WITH INTEGRAL PHOTOCELL	LED 4K	52W	277V	LITHONIA McGraw VISIONAIRE ELCAST	WST LED P2 40K VW MVOLT PE IST AF 450 LED E1 T4W SCBA P MLB-2-T3-24L-5-4K-UNV-WM-SCBA-PC120 1470 LED 120/277 SCBA ST ETI	

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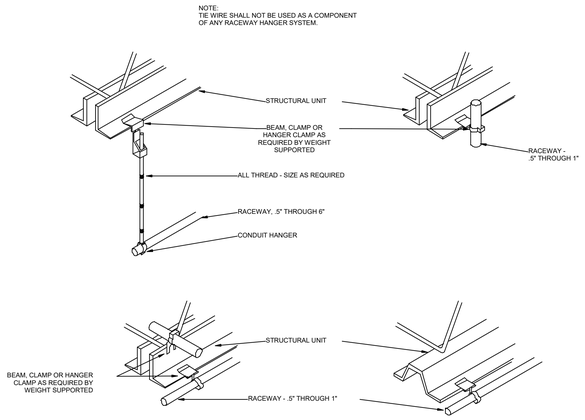
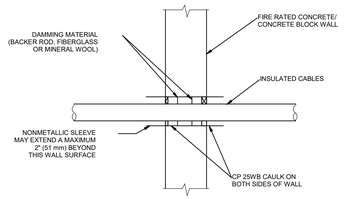
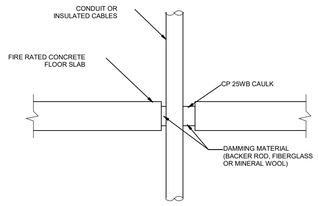


4 TYPICAL RACEWAY SUPPORT METHODS DETAIL
SCALE: NTS



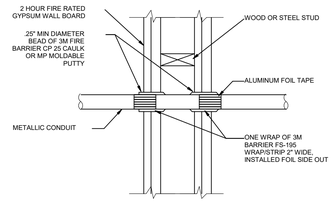
TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE WALLS

6 SCALE: NTS



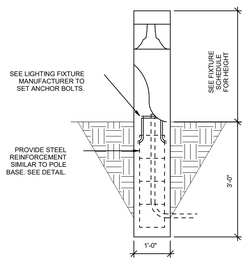
TYPICAL FIRE STOP FOR CABLES/CONDUIT THROUGH CONCRETE FLOORING

5 SCALE: NTS



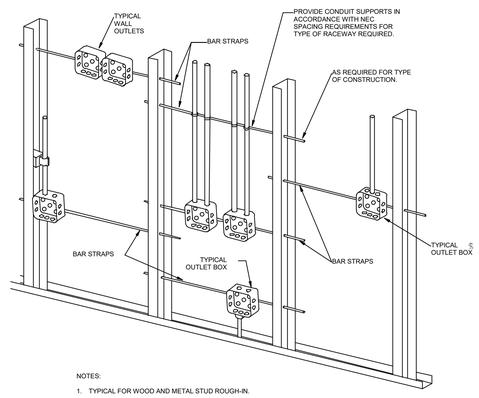
FIRE STOP FOR METAL CONDUIT THROUGH GYPSUM WALL BOARD

3 SCALE: NTS



BOLLARD MOUNTING DETAIL

2 SCALE: NTS



NOTES:

1. TYPICAL FOR WOOD AND METAL STUD ROUGH-IN.
2. PLASTER RINGS NOT SHOWN.
3. LOCATE ALL OUTLET BOXES IN ACCORDANCE WITH ARCHITECTURAL AND MECHANICAL DRAWINGS AND WITH ALL APPLICABLE SHOP DRAWINGS.
4. IN ACCORDANCE WITH IBC 714.3.2 EXCEPTION 1, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS IN THE SAME STUD SPACE IN A RATED FIRE SEPARATION WALL MUST BE SEPARATED BY A MINIMUM OF 24" HORIZONTAL DISTANCE OR LISTED, SOUND AND FIRE RATED PUTTY PADS SHALL BE USED ON THE OUTLET BOXES.
5. IN NON-RATED WALLS, OUTLETS ON OPPOSITE SIDES OF WALLS OR PARTITIONS MUST BE SEPARATED BY 16" FOR SOUND ATTENUATION.

TYPICAL ROUGH-IN REQUIREMENTS DETAIL

1 SCALE: NTS

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ELECTRICAL DETAILS & SCHEDULES

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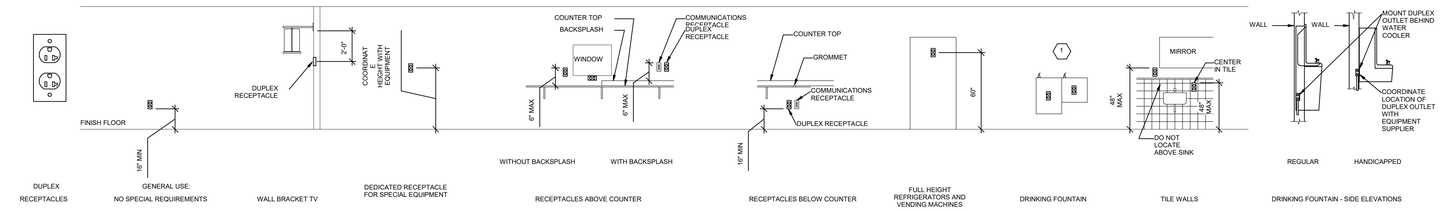
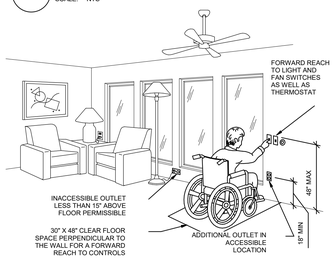


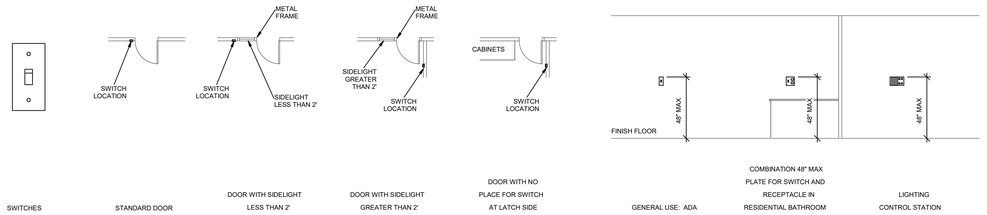
DUPLEX RECEPTACLES | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | RECEPTACLES ABOVE COUNTER | RECEPTACLES BELOW COUNTER | FULL HEIGHT REFRIGERATORS AND VENDING MACHINES | DRINKING FOUNTAIN | TILE WALLS | DRINKING FOUNTAIN - SIDE ELEVATIONS

REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.

E2 RECEPTACLE MOUNTING DETAILS

SCALE: NTS

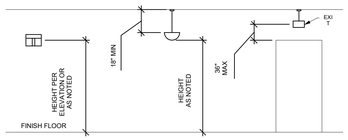




SWITCHES | STANDARD DOOR | DOOR WITH SIDELIGHT LESS THAN 2' | DOOR WITH SIDELIGHT GREATER THAN 2' | DOOR WITH NO PLACE FOR SWITCH AT LATCH SIDE | GENERAL USE: ADA | COMBINATION 48" MAX PLATE FOR SWITCH AND RECEPTACLE IN RESIDENTIAL BATHROOM | LIGHTING CONTROL STATION

D2 ADA DETAIL

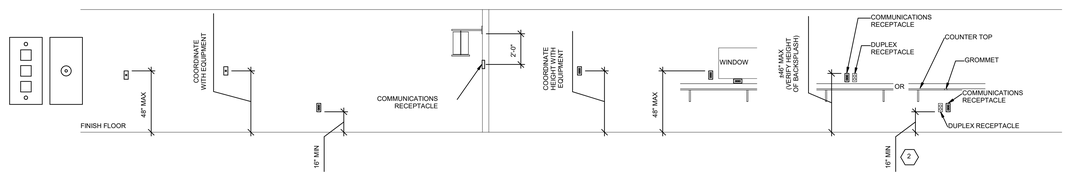
SCALE: NTS



WALL MOUNTED LIGHT FIXTURE | PENDANT LIGHT FIXTURE | PENDANT EXIT SIGNS

D3 SWITCH MOUNTING DETAILS

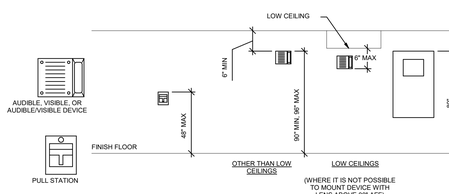
SCALE: NTS



COMMUNICATION RECEPTACLES | WALL PHONE | PAY PHONE | GENERAL USE: NO SPECIAL REQUIREMENTS | WALL BRACKET TV | DEDICATED RECEPTACLE FOR SPECIAL EQUIPMENT | ABOVE COUNTER - TYPICAL | RECEPTACLES ABOVE OR BELOW COUNTER

C2 LIGHTING MOUNTING DETAILS

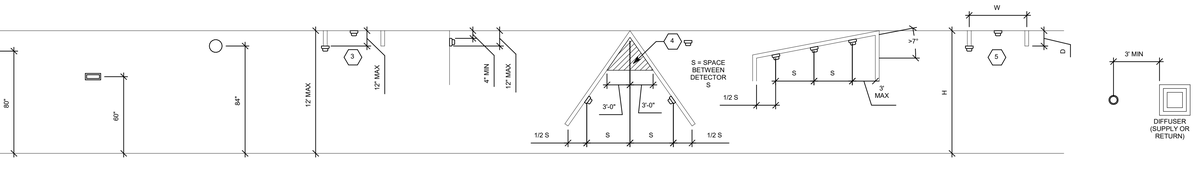
SCALE: NTS



FIRE ALARM | PULL STATION | AUDIBLE, VISIBLE, OR AUDIBLE/VISIBLE DEVICE | FIRE ALARM CONTROL PANEL "FCP" | FIRE SYSTEM ANNUNCIATOR "FSA"

C3 COMMUNICATIONS MOUNTING DETAILS

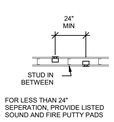
SCALE: NTS



BELL | SMOKE DETECTOR BETWEEN BEAMS | WALL MOUNTED SMOKE DETECTOR | SMOKE DETECTOR ON SLOPED CEILING (PEAKED) | SMOKE DETECTOR ON SLOPED CEILING (SHED) | HEAT DETECTOR BETWEEN BEAMS | SMOKE DETECTOR ADJACENT TO SUPPLY AIR

B1 FIRE ALARM MOUNTING DETAILS

SCALE: NTS

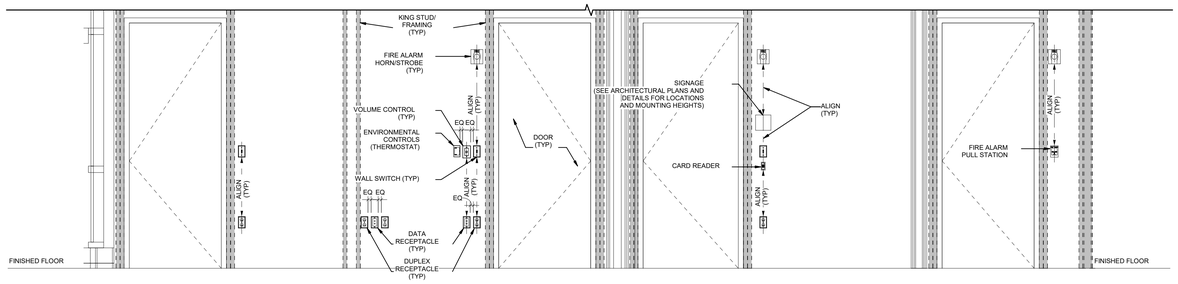


FOR LESS THAN 24" SEPERATION, PROVIDE LISTED SOUND AND FIRE PUTTY PADS

BOXES ON OPOSSITE SIDES OF WALL

A1 BOX MOUNTING DETAILS

SCALE: NTS



A2 TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL

SCALE: NTS

GENERAL SHEET NOTES

1. DETERMINE MOUNTING HEIGHTS OF ELECTRICAL AND ELECTRONIC EQUIPMENT IN THE FOLLOWING ORDER OF PRIORITY:

   1 - ELEVATIONS (ARCHITECTURAL, ELECTRICAL, MECHANICAL, ETC).

   2 - EQUIPMENT SHOP DRAWINGS.

   3 - FIELD INSTRUCTIONS.

2. LOCATE RECEPTACLES SERVING THE SAME TYPE OF USE AT A UNIFORM HEIGHT UNLESS DIRECTED OTHERWISE.

3. MECHANICAL, ELECTRICAL, AND COMMUNICATION ROOMS: COORDINATE LOCATION OF LIGHTING AND POWER RECEPTACLES WITH EQUIPMENT, PIPING, AND DUCTWORK. DO NOT INSTALL RECEPTACLES BEHIND EQUIPMENT OR WHERE OTHERWISE INACCESSIBLE. POSITION LIGHTING REGARDLESS OF WHERE SHOWN ON DRAWING TO PROVIDE PROPER ILLUMINATION.

4. MOUNT RECEPTACLE BOXES FOR SWITCHES AND RECEPTACLES WITH LONG AXIS OF THE DEVICE VERTICAL UNLESS OTHERWISE INDICATED.

5. SET BOXES WITH PLASTER RINGS FLUSH WITH FINISHED SURFACE.

6. LOCATE BOX COVERS OR DEVICE PLATES SO THEY WILL NOT SPAN DIFFERENT TYPES OF BUILDING FINISHES EITHER VERTICALLY OR HORIZONTALLY.

7. VERIFY ALL DOOR CONDITIONS ON ARCHITECTURAL DRAWINGS PRIOR TO INSTALLING SWITCHES.

8. LOCATE WIREING DEVICES WHICH ARE ADJACENT AND ARE COMPATIBLE VOLTAGES IN ONE PLATE.

9. WHERE DEVICES ARE LOCATED IN CLOSE PROXIMITY OF THE SAME VERTICAL PLANE, ALIGN DEVICES VERTICALLY PER THE TYPICAL WALL MOUNTED DEVICES ALIGNMENT DETAIL, UNLESS OTHERWISE INDICATED.

SHEET KEYNOTES

1. LOCATE RECEPTACLES BEHIND DRINKING FOUNTAINS.
2. REFER TO ARCHITECTURAL ELEVATIONS FOR PLACEMENT OF OUTLETS.
3. LOCATE AT BOTTOM OF BEAMS (OR JOISTS) OR AT CEILING. (REDUCE SPACING BY .5 PERPENDICULAR TO BEAM OR JOIST DIRECTION.) FOR OTHER CONDITIONS, REFER TO NFPA 72.
4. LOCATE DETECTOR ANYWHERE IN SHADED AREA BUT NOT IN TOP 4" OF PEAK.
5. LOCATE AT BOTTOM OF BEAMS IF D/H < .1 OR W/H < .4; OTHERWISE, LOCATE IN BEAM POCKET. FOR D > 4 REDUCE SPACING .33 PERPENDICULAR TO BEAMS.

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TYPICAL MOUNTING HEIGHT DETAILS

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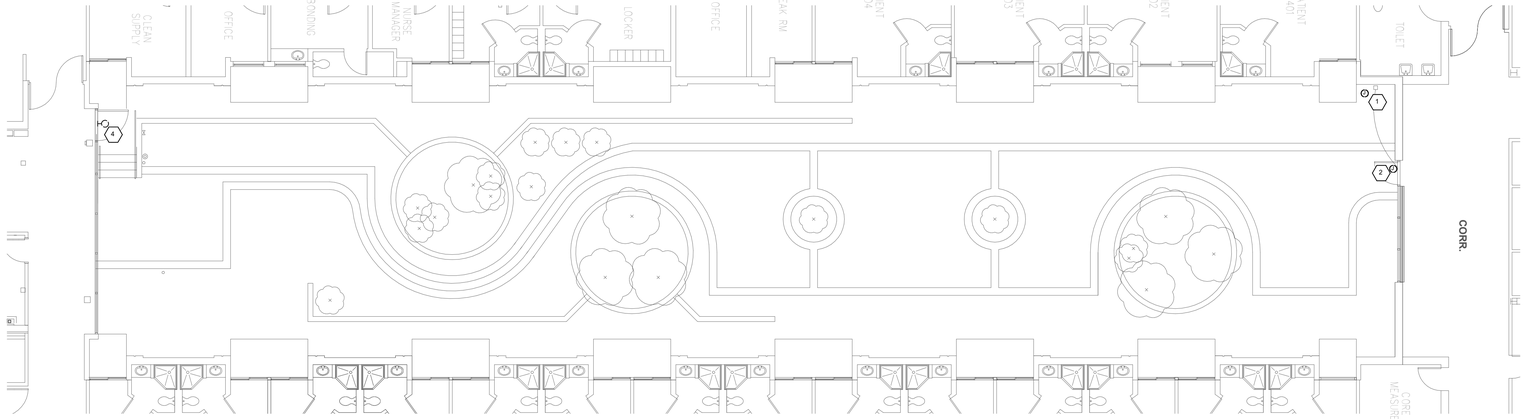
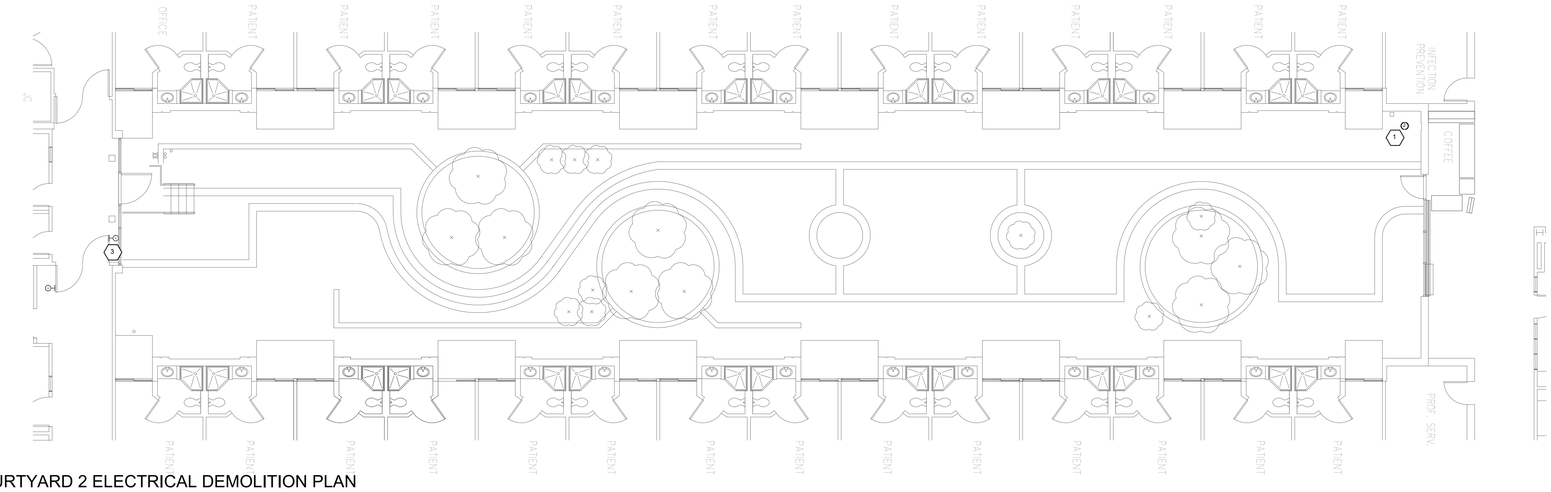


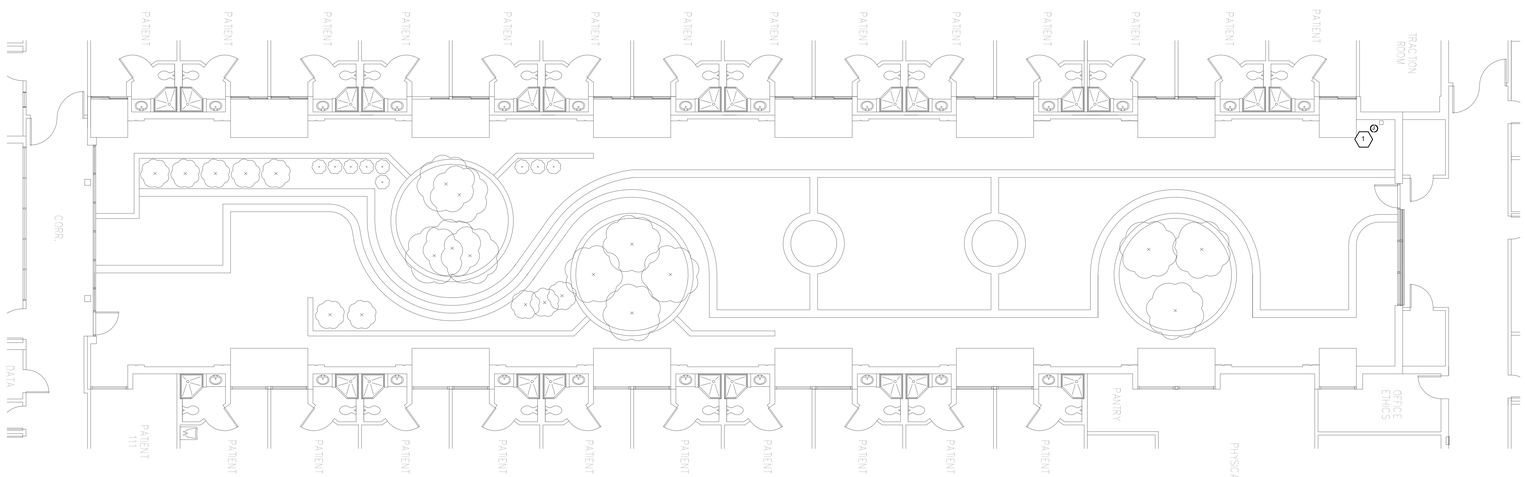
3 COURTYARD 3 ELECTRICAL DEMOLITION PLAN

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



2 COURTYARD 2 ELECTRICAL DEMOLITION PLAN

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



1 COURTYARD 1 ELECTRICAL DEMOLITION PLAN

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

GENERAL SHEET NOTES

1 UNLESS OTHERWISE INDICATED, REMOVE ALL LIGHTING FIXTURES, OUTLETS, DEVICES AND EQUIPMENT IN HATCHED AREAS. REMOVE ASSOCIATED CONDUIT AND WIRING BACK TO THE PANEL BOARD OF ORGIN. SYSTEMATICALLY CHECK EACH BRANCH PANEL BOARD CIRCUIT TO VERIFY THAT EACH CIRCUIT BREAKER NO LONGER HAS ANY ACTIVE LOAD, DISCONNECT THE WIRING AND TURN THE CIRCUIT BREAKER OFF. ANY REMAINING ACTIVE LOADS SHALL BE LABELED AND THE PANEL BOARD AS TO WHAT LOAD IS SERVED.

2 UNLESS NOTED OTHERWISE REMOVE ALL LIGHTING FIXTURES AND EQUIPMENT SHOWN DASHED. REMOVE CONDUIT AND WIRING BACK TO THE PANEL BOARD OF ORGIN OR TO THE FIRST ACTIVE DEVICE THAT REMAINS.

3 SALVALGE ALL LIGHT FIXTURES, TWIST LOCK RECEPTACLES AND WALL PLATES, CEILING SPEAKERS AND SECUIRTY AND FIRE ALARM DEVICES TO OWNER. PROTECT SALVAGED EQUIPMENT FROM DAMAGE.

4 PRIOR TO SUBMITTING BID, VISIT THE SITE AND FIELD VERIFY THE EXTENT OF ELECTRICAL DEMOLITION WORK TO MEET THE INTENT OF THE BID DOCUMENTS AND INCLUDE ALL COSTS IN BID.

5 PRIOR TO THE REMOVAL OF ANY ELECTRICAL EQUIPMENT OR WIRING, FIELD VERIFY THAT THE EQUIPMENT OR WIRING IS INACTIVE OR NO LONGER IN USE.

6 REMOVE ALL DEVICES, RACEWAYS, AND WIRING FROM WALL TO BE REMOVED. WHERE ACTIVE RACEWAY OCCURS IN WALLS TO BE REMOVED, REROUTE THE RACEWAY WITH TEH ASSOCIATED WIRING TO KEEP THE CIRCUIT OPERATIONAL.

7 REMOVE ALL FIRE ALARM DEVICES WHERE EXISTING WALLS AND CEILINGS ARE BEING REMOVED, WITH ASSOCIATED CONDUIT AND WIRING. EXISTING FIRE ALARM DEVICES AND SYSTEM NOT INDICATED FOR REMOVAL SHALL REMAIN ACTIVE THROUGHOUT DEMOLITION AND CONSTRUCTION UNTIL THE NEW SYSTEM IS TESTED AND OPERATIONAL. MAINTAIN ALL CLASS A FIRE ALARM INITIATING AND INDICATING LOOPS WHERE EXSTING DEVICES ARE REMOVED.

8 REMOVE ALL ABANDONED RACEWAY, CONDUIT, WIRING AND CABLING WHETHER ABANDONED PREVIOUS TO THIS PROJECT OR AS A RESULT OF THIS PROJECT. NOT ALL ABANDONED ITEMS ARE SHOWN ON THESE PLANS AND FIELD VERIFICATION OF DEMOLITION SCOPE EXTENT IS REQUIRED.

9 DEVICES MARKED "RR" ARE TO BE REMOVED AND RELOCATED PER NEW PLANS. EXTEND CIRCUITING AS REQUIRED FOR RELOCATION.

SHEET KEYNOTES

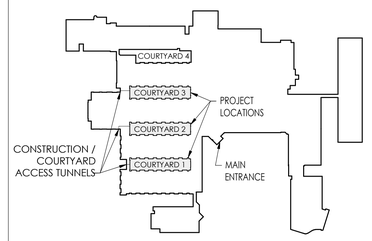
1 DEMOLISH EXISTING TIMER BOX WITH ASSOCIATED CONDUIT AND WIRING BACK TO THE PANEL OF ORGIN.

2 REMOVE EXISTING COAXIAL CABLE.

3 EXSIITING FLOOR MOUNTED MAG HOLD OPEN AND THIS LOCATION. WIRING FOR DEVICE PENETRATES FLOOR WHERE FLOORING MEETS WINDOW. REROUTE WIRING AS NECESSARY TO MAINTAIN DEVICE FUNCTIONALITY. CONCEAL WIRING IF POSSIBLE.

4 DEMOLISH EXISTING LIGHT FIXTURE. NEW FIXTURE TO BE INSTALLED AT THIS SAME LOCATION CONNECTED TO NEW LIGHTING CIRCUIT.

KEY PLAN



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LEVEL 1
ELECTRICAL
DEMOLITION
PLAN

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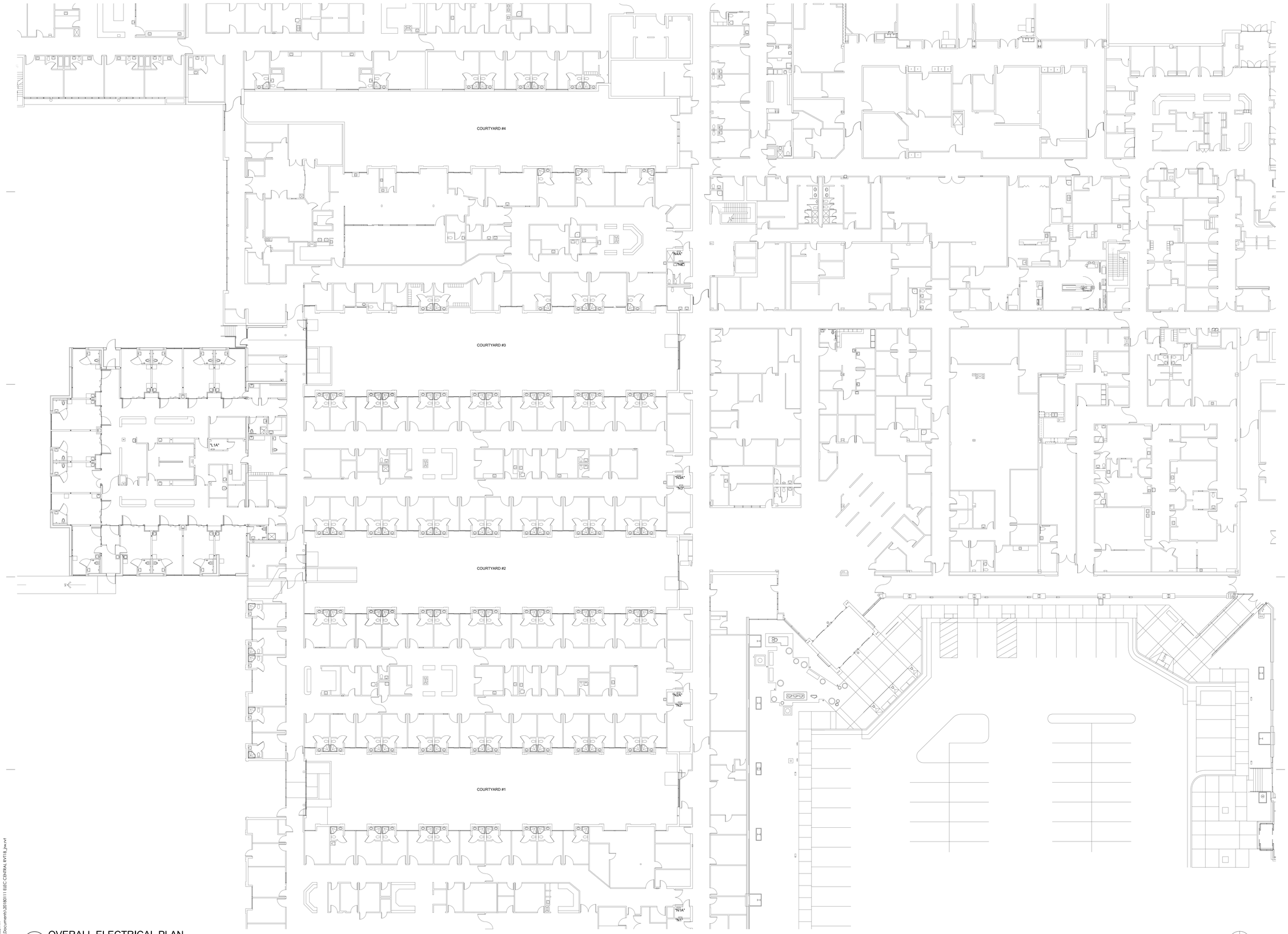

1 OVERALL ELECTRICAL PLAN

SCALE: 1/16" = 1'-0"

NORTH

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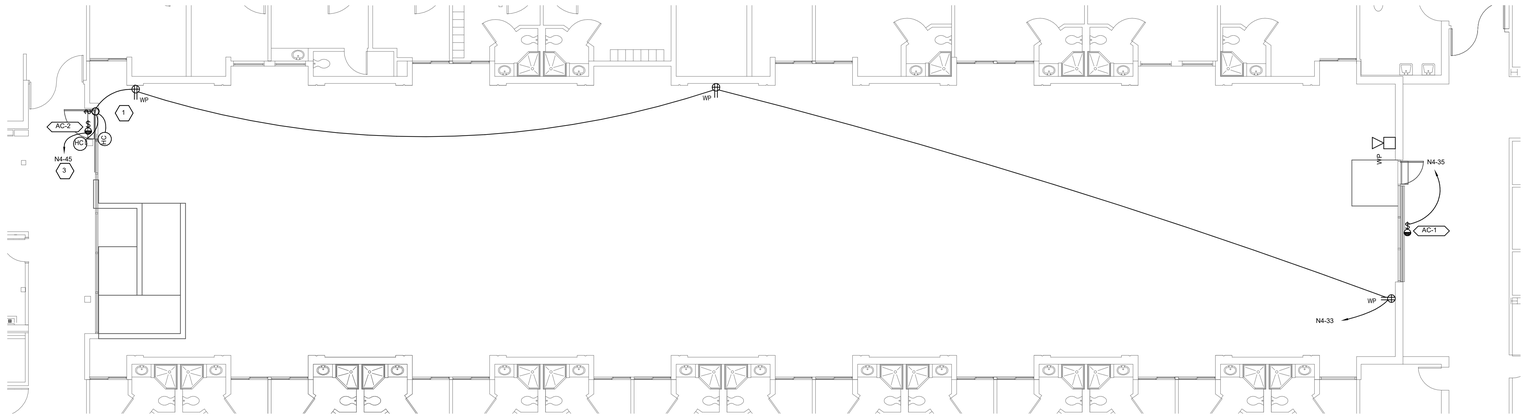
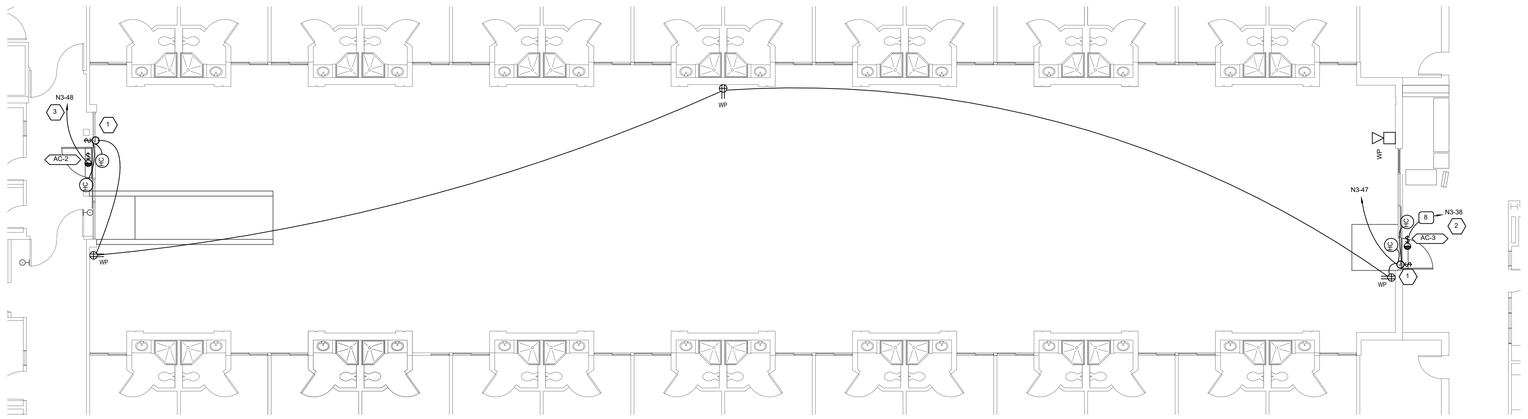
OVERALL ELECTRICAL PLAN

EP100



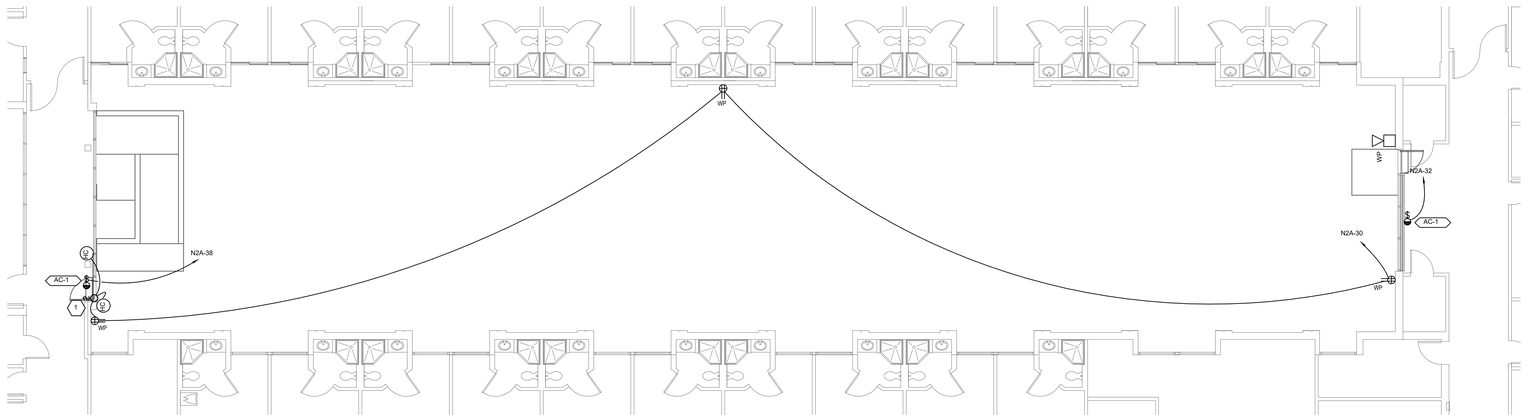
3 COURTYARD 3 POWER PLAN

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



2 COURTYARD 2 POWER PLAN

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



1 COURTYARD 1 POWER PLAN

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

GENERAL SHEET NOTES

1 PROVIDE A DEDICATED NEUTRAL FOR ALL BRANCH CIRCUITS.

2 ALL CIRCUITING WILL BE INSTALLED IN EMT. MINIMUM SIZE CONDUIT IS 3/4". MC CABLE IS NOT ALLOWED EXCEPT FOR LIGHT FIXTURE WHIPS.

3 PROVIDE NEW TYPED PANEL SCHEDULES FOR ALL PANELS AFFECTED DURING CONSTRUCTION.

4 EXISTING FIRE ALARM SYSTEM IS MANUFACTURED BY SIMPLEX.

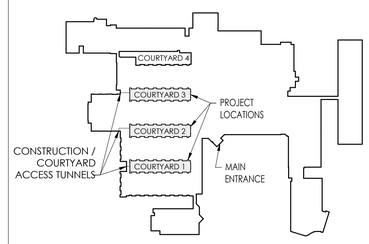
SHEET KEYNOTES

1 PROVIDE 120V POWER FOR AUTO DOORS WITH A SWITCH MOUNTED ON DOOR FRAME AS CLOSE TO THE CEILING AS POSSIBLE AND HAND WAVE ACTUATORS ON EACH SIDE OF THE DOOR.

2 PROVIDE NEW 40A/2P CIRCUIT BREAKER IN EXISTING WESTINGHOUSE PANEL BOARD.

3 PROVIDE NEW 20A CIRCUIT BREAKER IN EXISTING WESTINGHOUSE PANEL BOARD.

KEY PLAN



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LEVEL 1 POWER PLAN

EP101

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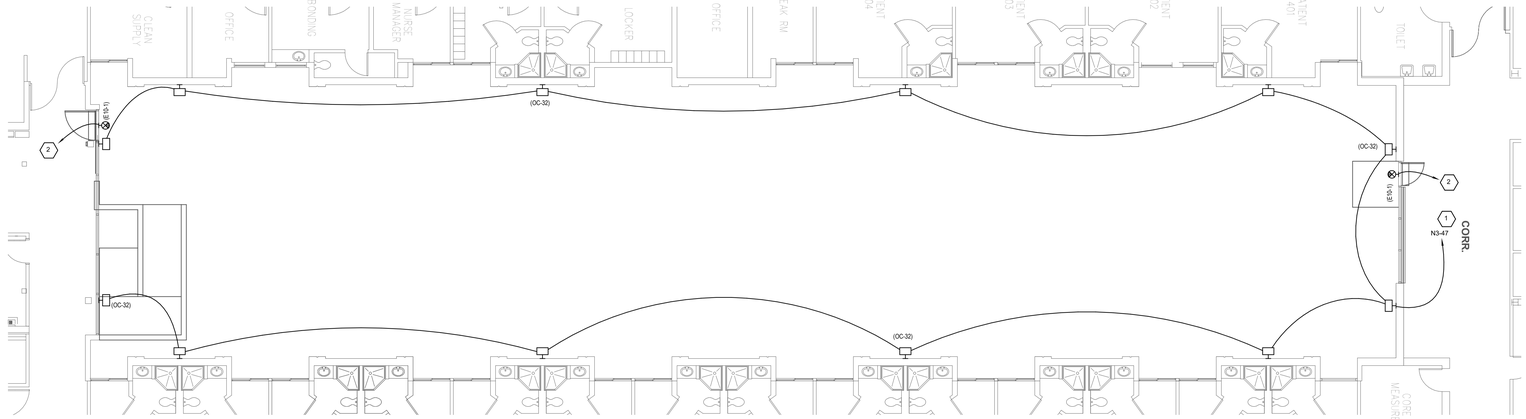
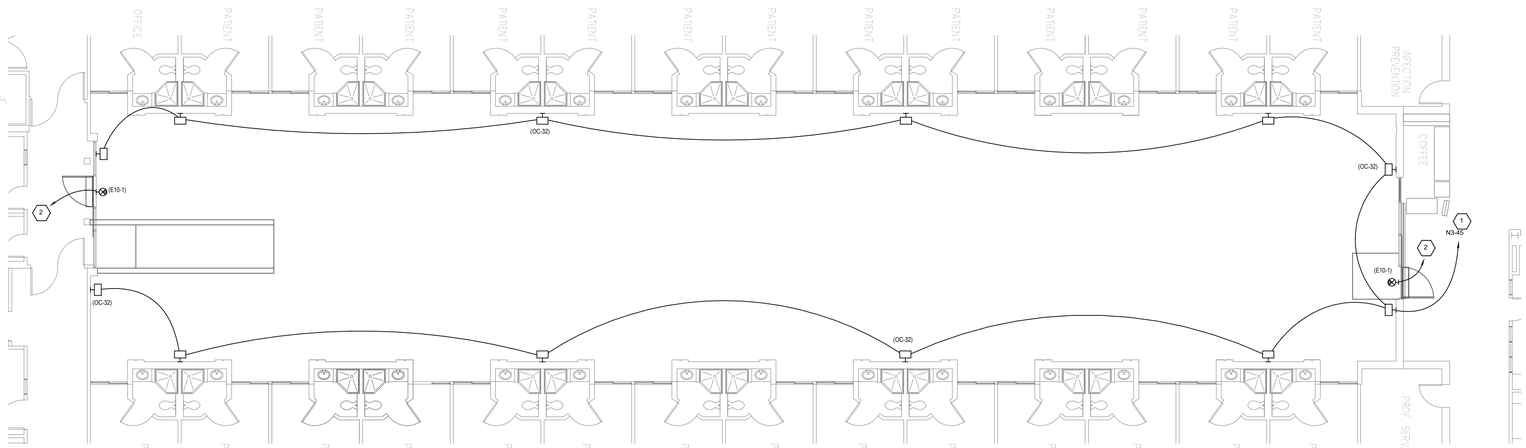


3 COURTAYRD 3 LIGHTING PLAN

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



2 COURTAYRD 2 LIGHTING PLAN

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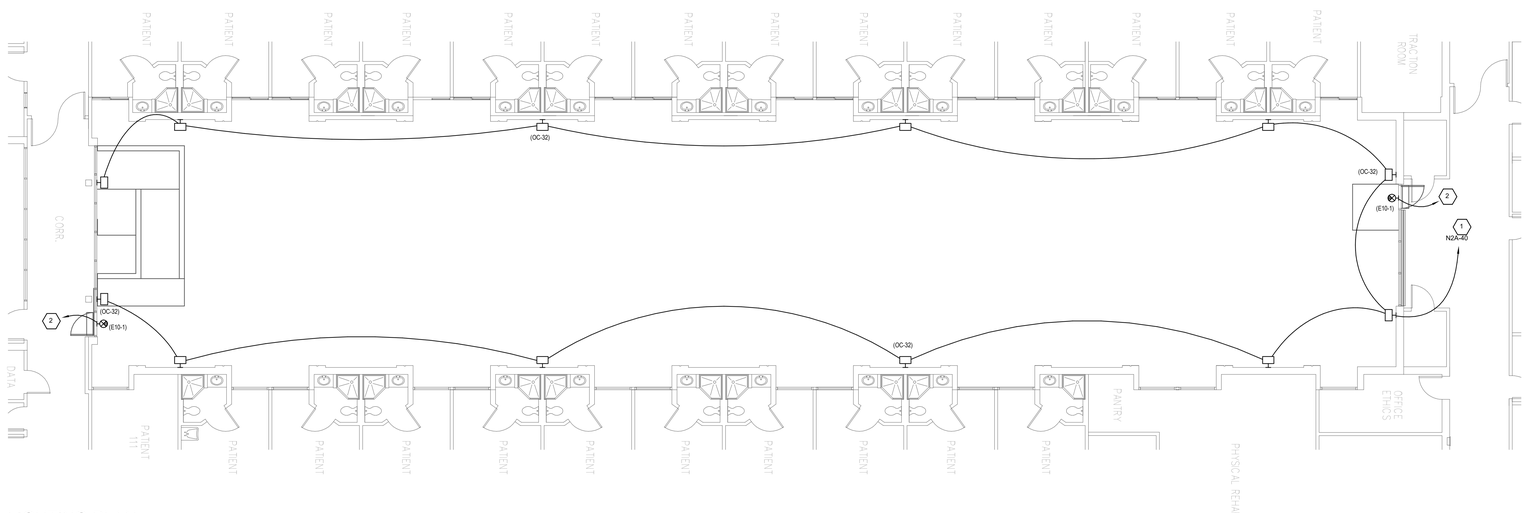

1 COURTAYRD 1 LIGHTING PLAN

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

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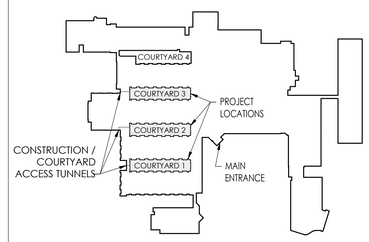
GENERAL SHEET NOTES

SHEET KEYNOTES

1 PROVIDE NEW 20A CIRCUIT BREAKER IN EXISTING WESTINGHOUSE PANEL BOARD.

2 CONNECT TO EXISTING EGRESS LIGHTING CIRCUIT IN CORRIDOR.

KEY PLAN



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NJRA Project # 17302.00

Construction Documents March 8, 2018

LEVEL 1
LIGHTING PLAN

EL101