LILA MITCHELL COMMUNITY CENTER
HVAC REPLACEMENT
5151 RALEIGH STREET
ORANGE COUNTY, FLORIDA

MAYOR
JERRY DEMINGS

COMMISSIONER
BETSY VANDERLEY
DISTRICT 1

COMMISSIONER
CHRISTINE MOORE
DISTRICT 2

COMMISSIONER
MAYRA URIBE
DISTRICT 3

COMMISSIONER
MARIBEL GOMEZ CORDERO
DISTRICT 4

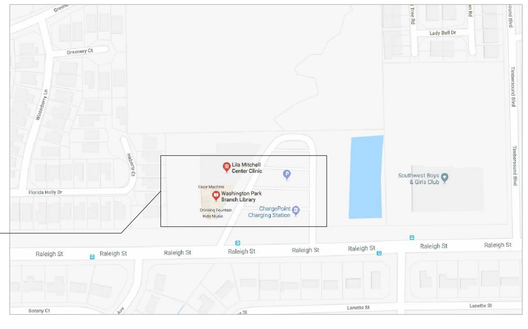
COMMISSIONER
EMILY BONILLA
DISTRICT 5

COMMISSIONER
VICTORIA P. SIPLIN
DISTRICT 6

BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY FLORIDA

SCOPE OF WORK:

HVAC TO BE UPGRADED. CEILING TILE REPLACEMENT TO FACILITATE NEW DIFFUSER LOCATIONS. LIGHTING UPGRADE TO FACILITATE NEW CEILING TILE LOCATIONS.



PROJECT LOCATION:
5151 RALEIGH STREET
ORLANDO, FLORIDA 32811

LOCATION MAP

DRAWING INDEX

SHEET No.	SHEET TITLE
C-001	COVER SHEET
G-001	LOCATION MAP & INDEX OF DRAWINGS
G-011	MASTER KEYNOTE AND GENERAL NOTE LEGEND
G-101	PHASING PLAN
G-102	PHASING PLAN - ROOF
S-101	ENCLOSURE PLAN AND DETAILS
A-101	LIFE SAFETY PLAN
AD-301	DEMOLITION CEILING PLAN
AD-401	DEMOLITION ROOF PLAN
AD-801	EXISTING CONDITIONS
AD-871	EXISTING CONDITIONS ROOF
AD-872	EXISTING CONDITIONS ROOF
A-201	RENOVATION FLOOR PLAN
A-301	RENOVATION CEILING PLAN
A-401	RENOVATION ROOF PLAN
A-501	MECHANICAL YARD ENCLOSURE
A-601	BUILDING SECTIONS & ELEVATION
A-647	UL LISTED ASSEMBLIES
A-649	GYPSUM ASSEMBLIE PATCH AND REPAIR
A-871	TYPICAL ROOFING (DIV 07) DETAILS
A-872	TYPICAL COPING & FLASHING (DIV 07) DETAILS
A-873	TYP. COPING AND FLASHING (DIV 07) DETAILS
A-874	TYP. COPING AND FLASHING (DIV 07) DETAILS
A-875	TYP. COPING AND FLASHING (DIV 07) DETAILS
A-891	TYPICAL CEILING FINISH (DIV 09) DETAILS
M-001	MECHANICAL SYMBOLS AND LEGEND
M-002	MECHANICAL SYMBOLS AND LEGEND
MD-201	MECHANICAL DEMO FLOOR PLAN
M-201	MECHANICAL FLOOR PLAN
M-211	MECHANICAL ROOF PLAN
M-212	MECHANICAL ENLARGED CEP PLAN
M-501	MECHANICAL PIPING SCHEMATIC
M-601	MECHANICAL CONTROLS
M-602	MECHANICAL CONTROLS
M-701	MECHANICAL SCHEDULES
M-801	MECHANICAL DETAILS
M-802	MECHANICAL DETAILS
M-803	MECHANICAL DETAILS
E-001	ELECTRICAL SYMBOLS AND LEGEND
ED-201	ELECTRICAL DEMO FLOOR PLAN
ED-211	ELECTRICAL DEMO ROOF PLAN
E-201	LIGHTING FLOOR PLAN
E-211	ELECTRICAL ROOF PLAN
E-301	ELECTRICAL POWER FLOOR PLAN
ED-501	ELECTRICAL DEMO ONE LINE DIAGRAM
E-502	ELECTRICAL RENO ONE LINE DIAGRAM
E-701	ELECTRICAL SCHEDULES
E-702	ELECTRICAL SCHEDULES
E-801	ELECTRICAL DETAILS

ISSUE: 100%
DATE: 2018-12-03

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Client Name:
ORANGE COUNTY

Issue:

No.	Date	Description
	12/3/18	100% CONSTRUCTION DOCUMENTS

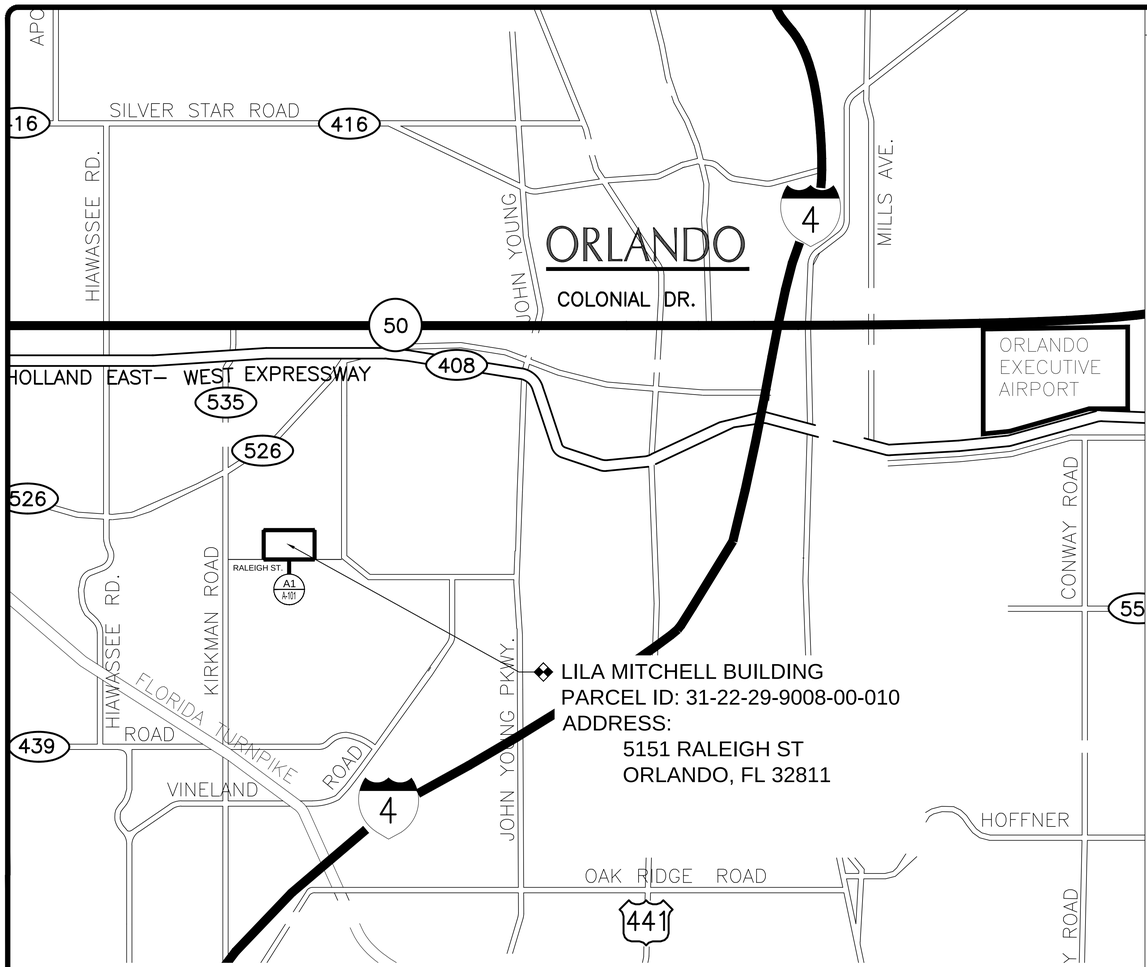
Project Name:
ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: 2017-327	Drawing File Name: 1200-C001-2017327.DWG
Scale: AS SHOWN	Seal:
Design By:	
Drawn By:	
Checked By:	
Engineer of Record:	
License Number:	

Sheet Name:
COVER SHEET

Sheet Number:
C-001

FILE: Q:\PROJECT FILES\2017\2017-327 OC LILA MITCHELL BLDG HVAC REPLACEMENT\DRAWINGS\1200-C001-2017327.DWG
PRINTED: 12/04/2018 LAST SAVED BY: CRAIG



NORTH

C1 PROJECT LOCATION PLAN
N.T.S.

ABBREVIATIONS

AFF	ABOVE FINISH FLOOR	LLV	LONG LEG VERTICAL
ADJ.	ADJUSTABLE	MFRS / MNFR	MANUFATURER
A/C	AIR CONDITION,-ED,-ER,-ING	MO	MASONRY OPENING
ALUM.	ALUMINUM	MAT. / MAT'L	MATERIAL
&	AND	MAX.	MAXIMUM
L	ANGLE	MECH.	MECHANICAL
A[[RPX.	APPROXIMATELY	MTL.	METAL
@	AT	MIN.	MINIMUM
B/O	BOTTOM OF	MISC.	MISCELLANEOUS
BLDG.	BUILDING	MTD.	MOUNTED
CLG./CLNG	CEILING	N.	NATURAL; NORTH
CL	CENTER LINE	NOM.	NOMINAL
CLR.	CLEAR	NIC	NOT IN CONTRACT
CLO./CL.	CLOSET	NO. / #	NUMBER
COL.	COLUMN	PT. / PTD.	PAINT -ED
CONC.	CONCRETE MASONRY UNIT	PNL	PANEL
CMU	CONCRETE MASONRY UNIT	PTD	PAPER TOWEL DISPENSER
CONST.	CONSTRUCTION	PTH	PAPER TOWEL HOLDER
CONT.	CONTINOUS	PL	PLATE
CJ	CONTROL JOINT	PLY.	PLYWOOD
DTL/DET.	DETAIL	PVC	POLYVINYL CHLORIDE
DIA. / Ø	DIAMETER	PP	POWER POLE
DIM.	DIMENSION	PT	PRESSURE TREATED
DOSP.	DISPENSER / DISPOSAL	R. / RAD.	RADIUS
DR.	DOOR	RECT.	RECTANGULAR
DB.	DOWN	RCP	REINFORCED CONCRETE PIPE
DWG.	DRAWING	REINF.	REINFORCEMENT
DF	DRINKING FOUNTAIN	REQ'D	REQUIRED
EA.	EACH	ROW	RIGHT-OF-WAY
E.	EAST	RD	ROOF DRAIN
EWC	ELECTRIC WATER COOLER	RM.	ROOM
ELEC.	ELECTRICAL	RO	ROUGH OPENING
ELEV.	ELEVATOR	SCH. / SCHED.	SCHEDULE
ENCL.	ENCLOSURE	SHT.	SHEET
EQ.	EQUAL	SD	SOAP DISPENSER
EQUIP.	EQUIPMENT	SH	SOAP HOLDER
EXIST.	EXISTING	S.	SOUTH
EJ	EXPANSION JOINT	ST. / STL/	STEEL
EXT.	EXTERIOR	STRUCT.	STRUCTURAL
FT.	FEET / FOOT	TB	TIE BEEAM
FV	FIELD VERIFY	T.	TOILET
FIN.	FINISH	TPH	TOILET PAPER HOLDER
FF	FINISH FLOOR	T/O	TOP OF
FDC	FIRE DEPARTMENT CONNECTION	T&G	TOUNGE AND GROOVE
FE	FIRE EXTINGUISHER	TYP.	TYPICAL
FH	FIRE HYDRANT	UON	UNLESS OTHERWISE NOTED
FR	FIRE RESISTANT	UR.	URINAL
FLR.	FLOOR	VERT.	VERTICAL
FD	FLOOR DRAIN	VCP	VITREOUS CLAY PIPE
GALV.	GALVANIZED	WC	WATER CLOSET
GA.	GAUGE	WH	WATER HEATER
GC	GENERAL CONTRACTOR	W.	WIRE; WATT; WIDE; WEST
GB	GRAB BAR	W/	WITH
GYP.	GYPSUM	W/O	WITHOUT
GWB	GYPSUM WALL BOARD	WD.	WOOD
HCPD.	HANDICAPPED		
HT.	HEIGHT		
FHC	HIRE HOSE CABINET		
HM	HOLLOW METAL		
HORIZ.	HORIZONTAL		
INV.	INVERT		
JAN.	JANITOR		
JT.	JOINT		
LAM.	LAMINATED		
LAV.	LAVATORY		
LLH	LONG LEG HORIZONTAL		

ARCHITECTURAL SHEET INDEX

SHEET	TITLE	REVS
General Knoledge (non-discipline specific)		
G-001	LOCATION MAP & INDEX OF DRAWINGS	--
G-011	MASTER KEYNOTE AND GENERAL NOTE LEGEND	--
G-101	PHASING PLAN	--
G-102	PHASING PLAN - ROOF	--
Life Safety		
A-101	LIFE SAFETY PLAN	--
Architectural Demolition		
AD-301	DEMOLITION CEILING PLAN	--
AD-401	DEMOLITION ROOF PLAN	--
AD-801	EXISTING CONDITIONS	--
AD-871	EXISTING CONDITIONS ROOF	--
AD-872	EXISTING CONDITIONS ROOF	--
Architectural		
A-201	RENOVATION FLOOR PLAN	--
A-301	RENOVATION CEILING PLAN	--
A-401	RENOVATION ROOF PLAN	--
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A-875	TYP. COPING AND FLASHING (DIV 07) DETAILS	--
A-891	TYPICAL CEILING FINISH (DIV 09) DETAILS	--

KEYNOTES

NUMERIC NOTE DESIGNATION
00 00 00.0000 NOTATION

REVISION SCHEDULE

NO.	DATE	DESCRIPTION
	01-JUN-2018	60% DESIGN DOCUMENTS
	14-SEP-2018	90% CONSTRUCTION DOCUMENTS
	25-OCT-2018	95% CONSTRUCTION DOCUMENTS
	05-DEC-2018	PERMIT DOCUMENTS

SYMBOL LEGEND

CALLOUT REFERENCE
DETAIL NUMBER
SHEET NUMBER
CALLOUT INDICATOR
SIM.

ELEVATION / SECTION REFERENCE
CALLOUT INDICATOR
DETAIL NUMBER
SHEET NUMBER
X1 A1.2.3 SIM.

INTERIOR ELEVATION REFERENCE
CALLOUT INDICATOR
DETAIL NUMBER
SHEET NUMBER
X1 X2 X3 X4 A1.2.3 SIM.

PHOTO / 3D VIEW REFERENCE
CALLOUT INDICATOR
DETAIL NUMBER
SHEET NUMBER
X1 PHOTO3333

NORTH ARROW
NORTH

EXTRA ROOM ROOM MARKER
ROOM NAME
ROOM NUMBER (LAST 4) NTLS-ZCW-01-8130

DOOR MARKER
101
DOOR NUMBER
SWING DIRECTION

PARTITION TYPE
FIRE RATING IN HOURS
WALL TYPE
SPECIAL CHARACTERISTICS
INDICATOR

WINDOW / LOUVER MARKER

XXX FF&E MARKER

CODE MATERIAL MARKER

ACCESSORY MARKER

KEYNOTE MARKER
00 00 00.0000

COLUMN LINE
X1

ELEVATION MARKER
FLOOR LEVEL
FLOOR LEVEL
0' - 0" A.F.F.

PATTERN STARTING POINT
SP

DOCUMENT MODIFICATION MARKER "DELTA" OR CHANGE NUMBER
1

MATERIAL LEGEND

COMPACT FILL (EARTH)
CAST-IN-PLACE CONCRETE
GROUT
STEEL
ALUMINUM
ORNAMENTAL METAL (INDICATE TYPE)
GLASS
MASONRY (CMU)
MASONRY (BRICK)
PRE-CAST CONCRETE
WOOD (BLOCKING)
ROUGH WOOD FRAMING
PLYWOOD (ROUGH)
PLASTIC
GWB
LATH AND STUCCO
INSULATION (LOOSE OR BATT)
RIGID INSULATION

DETAIL NUMBERING LEGEND

EACH SHEET IS DIVIDED INTO AN ALPHA-NUMERIC GRID COORDINATE SYSTEM WHICH IS USED TO ORGANIZE THE DRAWING DETAILS. DRAWING TITLES ARE NUMBERED ACCORDING TO ITS LOCATION ON THE GRID. THE LOWER LEFT HAND CORNER IS USED TO IDENTIFY THE GRID SPACE AND CORRESPONDING DETAIL (SEE DIAGRAM)

					NOTES
E1	E2	E3	E4	E5	
D1	D2	D3	D4	D5	
C1	C2	C3	C4	C5	
B1	B2	B3	B4	B5	
A1	A2	A3	A4	A5	

UTILITY CONTACTS

THIS LIST OF UTILITY CONTACTS IS TO BE USED AS AN AID TO THE CONTRACTOR AND IS NOT INTENDED TO BE ALL INCLUSIVE.

IF A PHONE NUMBER FOR A CONTACT PROVES TO BE INVALID, CONTACT THE OAR FOR CORRECT PHONE NUMBER/CONTACT.

MAILING ADDRESS ON PROPERTY APPRAISERS FILE
C/O REAL ESTATE MNGT DEPT
PO BOX 1393
ORLANDO, FL 32802-1393

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JIMMY BUYS – SUPERVISOR
407.947.5579 - MEETINGS

HORACE ROOFE – MAINTENANCE COORDINATOR
407.948.6354 – MEETINGS

DAVE NAZARIO – SR. OPERATION TECHNICIAN/HVAC
321.228.0886 - MEETINGS AND ESCORTS

ELECTRIC ORLANDO UTILITIES COMMISSION
CUSTOMER SERVICE 407-423-9018

WATER ORLANDO UTILITIES COMMISSION
CUSTOMER SERVICE 407-423-9018

KEYNOTE MARKERS
DESIGNATIONS UTILIZE MASTERFORMAT2012 FOR ORGANIZATIONAL PURPOSES ONLY. THEY NETHER CORRELATE TO NOR SIGNIFY THE EXISTENCE OF A PARTICULAR SPECIFICATION SECTION.

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ORANGE COUNTY GOVERNMENT FLORIDA

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668 N. Orlando Avenue Suite 107 Maitland, FL 32751
407.897.6764 ph 407.894.1538 fax www.mlm-martin.com
AA-C002208

Issue: 100% CONSTRUCTION DOCUMENTS 05-DEC-2018

No.	Date	Description

Project Name:
ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2
Drawing File Name: G001.DWG
Scale: 1/16" = 1'-0"
Seal:
Design By: MAM
Drawn By: MAM
Checked By: MLM
Architect of Record: MIGUEL ANTONIO MARTIN
License Number: AR 98279

Sheet Name:
LOCATION MAP & INDEX OF DRAWINGS

Sheet Number:
G001

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FILE: P:\17651-2 OC-LILA HVAC\000 - WORKING\G001.DWG
PRINTED: 11/30/2018 LAST SAVED BY: MAMARTIN

M S R S

NUMERIC NOTE DESIGNATION
00 00 00.0000 NOTATION

NUMERIC NOTE DESIGNATION
00 00 00.0000 NOTATION

00 00 00.0000	KEYNOTE MARKER DESIGNATIONS UTILIZE MASTERFORMAT2012 FOR ORGANIZATIONAL PURPOSES ONLY. THEY NEITHER CORRELATE TO NOR SIGNIFY THE EXISTENCE OF A PARTICULAR SPECIFICATION SECTION.
01 35 29.4113	TYP. CONTRACTOR TO ENSURE FULL WIDTH OF EMERGENCY EGRESS PATH IS MAINTAINED IN CLEAR UNOBSTRUCTED MANNER UNTIL SUCH TIME AS SECTOR OF WORK IS PROVIDED NOTICE TO PROCEED.
02 41 00.D545	TYP. EXISTING LIGHT FIXTURES TO BE REMOVED, DISPOSE OF LAMPS, BALLASTS AND OR TRANSFORMERS IN ACCORDANCE WITH ALL LAWS, CODES AND ORDINANCES.
02 41 07.5216	TYP. EXISTING MODIFIED BITUMINOUS SBS ROOFING MEMBRANE PLYS TO BE REMOVED.
02 41 07.5552	TYP. EXISTING WALKING PADS / PROTECTION PLY TO BE REMOVED.
02 41 07.6200	TYP. EXISTING SHEETMETAL FLASHING AND TRIM TO BE REMOVED. VERIFY SUTIBILITY OF BLOCKING UNCOVERED. REPAIR IN KIND IF DAMAGED, FR.
02 41 09.2113	TYP. EXISTING PLASTER ASSEMBLIES TO BE REMOVED.
02 41 09.5113	TYP. EXISTING ACOUSTICAL TILE CEILING TO BE REMOVED, COMPLETE.
02 41 09.5123	TYP. EXISTING ACOUSTICAL TILE CEILING TO BE REMOVED, COMPLETE.
02 41 23.2213	TYP. EXISTING CONDENSATE PIPING TO BE REMOVED COMPLETE WITH SLEEPERS AND OTHER SUPPORTS.
02 41 23.3713	TYP. EXISTING DIFFUSERS, REGISTERS AND OR GRILLES TO BE REMOVED. SEE MECHANICAL.
02 41 23.8113	TYP. EXISTING PACKAGED ROOF TOP AIR-CONDITIONING UNIT TO BE REMOVED, SEE MECHANICAL. PROVIDE TEMOPRRARY ROOF ENCLOSURE.
02 41 26.5113	TYP. EXISTING INTERIOR LIGHT FIXTURE TO BE REMOVED, COMPLY WITH LOCAL CODES AND LAWS FOR DISPOSAL OF LAMPS AND/OR BALLISTS.
02 41 26.5300	TYP. EXISTING EXIT SIGN TO BE REMOVED.
02 44 00.B315	TYP. EXISTING ROOF SLOPE TO REMAIN, ENSURE PROPER DRAINAGE TO EXISTING RD AND OR OD ARE MAINTAINED FOR THE DURATION OF DEMOLITION/CONSTRUCTION.
02 44 00.C110	TYP. EXISTING PARTITIONS TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION.
02 44 00.C111	TYP. EXISTING INTERIOR FIXED PARTITION TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION.
02 44 00.C131	TYP. EXISTING INTERIOR SWINGING DOORS TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION.
02 44 00.C171	TYP. EXISTING ACOUSTICAL SUSPENDED CEILING TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION.
02 44 00.C230	TYP. EXITING FLOORING TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION.
02 44 05.2119	TYP. EXISTING OPEN WEB STEEL JOIST FRAMING TO REMAIN.
02 44 22.1316	TYP. EXISTING SANUTARY WASTE AND VENT PIPING TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION.
02 44 22.1426	TYP. EXISTING ROOF STORM DRAINS TO REMAIN. TEMPORARILY REMOVE LEAF GUARD / BASKET FOR INSTALL OF NEW MEMBRANE, SEE DETAILS AND REINSTALL LEAF GUARD / BASKET.
02 44 26.0533	TYP. EXIISTING RACEWAY TO REMAIN.
02 44 27.2133	TYP. EXISTING DATA COMMUNICATIONS WIRELESS ACCESS POINT TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION ENSURE REINSTALL IN SAME LOCATION WITH SAME FUNCTION AS PRIOR TO START OF WORK.
02 44 28.2329	TYP. EXISTING VIDEO SURVEILLANCE DEVICE TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION ENSURE REINSTALL IN SAME LOCATION WITH SAME FUNCTION AS PRIOR TO START OF WORK.
02 44 28.3146	TYP. EXISTING SMOKE DETECTION SENSORS TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION ENSURE REINSTALL IN SAME LOCATION WITH SAME FUNCTION AS PRIOR TO START OF WORK.
03 31 00.B000	TYP. STRUCTURAL CONCRETE FLOOR SLAB, SEE STRUCTURAL.
04 01 20.1926	TYP. MASONRY REINFORCING INSPECTION OPENING @ EACH FILLED CELL, SEE STRUCTURAL
04 05 16.363K	TYP. FILL CELL MASONRY W/ 3000 PSI GROUT.
04 05 19.2600	TYP. MASONRY REINFORCING BARS, SEE STRUCTURAL
04 05 19.HC16	TYP. MASONRY HORIZONTAL GALVANIZED WIRE REINFORCING @ 16" O.C. MAX
04 05 22.0001	LEAVE (2) 8"X8" OPENING AT EACH SIDE OF WALL FOR DRAINAGE.
04 22 00.0008	TYP. 8" NOMINAL CONCRETE MASONRY UNIT.
04 22 00.S002	TYP. 2" THICK SOLID CMU CAP UNIT.
04 22 23.2908	TYP. 8" SPLIT-FACE CONCRETE MASONRY UNIT.
04 22 23.290C	TYP. SPLIT-FACE CORNER CONCRETE MASONRY UNIT.
07 05 52.1627	TYP. COMPATIBLE ROOF CEMENT OR COMPATIBLE SEALANT AT PENETRATION-TO-MEMBRANE JUNCTURE , INSTALLED PER MNFR. INSTRUCTIONS.
07 05 52.1661	TYP. ROOF SYSTEMS WITH FACTORY-APPLIED GRANULE SURFACING, PROPERLY PREPARE CAP SHEET TO RECEIVE FLASHING.
07 05 63.2210	TYP. TOP OF SOFT METAL FLASHING CAPPED OR ROLLED INTO PIPE APPROX. 1".
07 05 63.2227	TYP. SET FLANGE IN COMPATIBLE ROOF CEMENT, PRIME FLANGE BEFORE STRIPPING PER MNFR. INSTRUCTIONS.
07 06 52.1600	TYP. TORCH-APPLIED STYRENE-BUTADIENE-STYRENE MODIFIED BITUMINOUS MEMBRANE ROOFING SYSTEM AND STRUCTURE AS INDICATED ON ROOF PLAN(S).
07 26 16.0315	TYP. 15 MIL BELOW GRADE VAPOR BARRIER.
07 52 16.1300	TYP. TORCH-APPLIED STYRENE-BUTADIENE-STYRENE MODIFIED BITUMINOUS MEMBRANE ROOFING.

NUMERIC NOTE DESIGNATION
00 00 00.0000 NOTATION

07 52 16.1310	TYP. TORCH-APPLIED CAP PLY SBS MODIFIED BITUMINOUS MEMBRANE, INSTALLED PER MNFR. INSTRUCTIONS.
07 52 16.1313	TYP. TORCH-APPLIED PROTECTION PLY SBS MODIFIED BITUMINOUS MEMBRANE, INSTALLED PER MNFR. INSTRUCTIONS.
07 52 16.1330	TYP. TORCH-APPLIED REINFORCEMENT PLY SBS MODIFIED BITUMINOUS MEMBRANE, INSTALLED PER MNFR. INSTRUCTIONS.
07 52 16.1370	TYP. TORCH-APPLIED BASE PLY SBS MODIFIED BITUMINOUS MEMBRANE, INSTALLED PER MNFR. INSTRUCTIONS.
07 63 22.7000	TYP. SOFT METAL PIPE FLASHING - COPPER, MIN. 16 OZ.
07 71 13.5000	TYP. ALUMNINUM MANUFACTURED COPING SYSTEM, INSTALLED PER MNFR. INSTRUCTIONS.
07 84 13.0017	TYP. PROTECT AND SEAL FIRE WALL FROM ALL EXISTING AND NEW PENETRATIONS W/ APPROPRIATE UL LISTED FIRESTOPPING ASSEMBLIES TO MAINTAIN ROOM RATING AND FIRE PROTECTION PRESSURIZATION REQUIREMENTS.
09 51 23.0667	TYP. STANDARD, 24" X 24" TEGULAR ACOUSITCAL TILE CEILING SYSTEM.
23 05 20.0029	TYP. HVAC PIPING SUPPORT, SEE MECHANICAL.
23 05 29.0031	TYP. HANGERS AND SUPPORTS FOR HVAC EQUIPMENT, PIPING AND DUCTS TO COMPLY WITH MECHANICAL SPECIFICATIONS. MAINTAIN STRUCTURAL INTEGRITY OF EXISTING MEMBERS AND DECK.
23 05 53.0001	TYP. PROVIDE PHENOLIC IDENTIFICATION PLACARD FOR MECHANICAL EQUIPMENT ABOVE ACT. SEE MECHANICAL.
23 20 00.0031	TYP. HVAC PIPING, SEE MECHANICAL.
23 64 00.0031	PACKAGED WATER CHILLERS,SEE MECHANICAL.
26 01 53.0081	TYP. REPLACE EXISTING CEILING MOUNTED EXIT SIGNS IN KIND. MATCH EXISTING ARROW INDICATORS.
26 05 41.1323	TYP. LIGHTNING PROTECTION TERMINAL ATTACHED TO INSIDE FACE OF COPING. DO NOT ATTACH TO COPING CAP.
26 05 41.1327	TYP. LIGHTNING PROTECTION TERMINAL SET IN COMPATABLE SEALENT.
26 28 16.1623	TYP. ENCLOSED DISCONNECT SWITCH FOR MECHANICAL EQUIPMENT, SEE ELECTRICAL AND MECHANICAL.
26 41 13.1332	TYP. LIGHTNING PROTECTION TERMINAL, SEE ELECTRICAL.
31 23 23.2385	TYP. COMPACTED FILL TO A MIN. OF 85% COMPACTION AS PER ASTM D1557.
31 31 16.1300	TYP. SPRAY TERMITE TOXICANT BARRIER.
32 01 92.2381	TYP. REPLACE DAMAGGED SOD, MATCH EXISTING TYPE AND ELEVATIONS.

BROOM FINISH

S S

Project Name:

Lila Mitchel Building HVAC Replacement

Project Description:

HVAC, ROOF AND CEILING REPLACEMENT.

Project Address:

5151 RALEIGH
STREET
ORLANDO,
FLORIDA 32811

PARCEL ID: 31-22-29-9008-00-010

Applicable Codes:

Florida Building Code, 6th Edition (2017) - Building
Florida Building Code, 6th Edition (2017) - Existing Building
Florida Building Code, 6th Edition (2017) - Mechanical
Florida Building Code, 6th Edition (2017) - Accessability
Florida Building Code, 6th Edition (2017) - Energy Conservation
Florida Fire Prevention Code, 5th Edition
2014 NFPA - 70 - National Electric Code
2013 NFPA - 72 - National Fire Alarm Code

Classification of Work: Chapter 5, FBC 2017 Existing Building:
Alteration - Level 1 defined §503

Occupancy Classification:

BUSINESS / EDUCATION
NO CHANGE IN OCCUPANCY PROPOSED

Construction Type:

Type II-B - Sprinklered (FBC 2017 Paragraph 602.2)

Actual Tabular Building Area, Building Height:

NO CHANGE IN BUILDING AREA PROPOSED

Allowable Building Area, Building Height
NO CHANGE IN BUILDING AREA PROPOSED

Fire Resistance Rating Requirement for Building Elements FBC 2017 Table 601

	TYPE II B
Structural Frame Col - Girder BMS	0 hrs
Bearing Walls	
Structural Frame Col - Girder BMS	0 hrs
Interior	0 hrs
Non Bearing Wall Partitions	See Table 602
Non Bearing Wall and Partitions	0 hrs
Floor Construction incl. Supporting Beams and Joist	0 hrs
Roof Construction Incl. Supporting Beams and Joist	0 hrs

Fire Resistance Rating Requirements for Exterior Wall Based on Fire Separation Distance:

FBC 2017 Table 602

Fire Separation Distance		Occ. Type B & E
< 5'		1
5≤ X <10		1
10≤ X <30		0
X ≥ 30		0
NO CHANGE IN EXTERIOR OPENINGS PROPOSED		

Maximum Area of Exterior Wall Openings FBC 2017 Table 704.8

NO CHANGE IN EXTERIOR OPENINGS PROPOSED

Interior Wall and Ceiling Finish Requirements byOccupancy - FBC Table 803.11

Without Sprinkler

Occupancy	Exit Enclosures and Exit Passageways	Corridors	Rooms & Enclosed Spaces
B & E	A	B	C

Maximum Floor Area Allowance per Occupant FBC 2017 Table 1004.1.1

Occupancy Type	Floor Area/Occupant		Areas	Occupants
Library - NIC	100	Gross	6238.5	63
Accessory storage areas	300	Gross	668.6	3
Assembly w/o fixed seats - concentrated	7	Net	941.3	135
Outpatient Areas	100	Gross	1569.7	16
Bussiness Areas	100	Gross	8231.4	83
Kitchens, Commercial	200	Gross	385.1	2
Classroom Areas	20	Net	3949.2	198
		Total	**21,984**	**500**

Minimum Requried Egress Width Section FBC 2017 1005.1

	Stairways	Other Egress Components
	0.3"	0.2"

500 OCC x 0.2" = TOTAL 100" - CURRENT UNALTERED CAPACITY OK

Exit Access Travel Distance FBC 2017 Table 1017.2

Occupancy	Without Sprinkler
E	200FT
B	200FT

KEYNOTE MARKERS
DESIGNATIONS UTILIZE MASTERFORMAT2012 FOR ORGANIZATIONAL PURPOSES ONLY. THEY NETHER CORRELATE TO NOR SIGNIFY THE EXISTENCE OF A PARTICULAR SPECIFICATION SECTION.

R S

1. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR PROVIDING ALL MATERIALS AND WORKMANSHIP IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES, ORDINANCES, AND REGULATIONS. ALL CONTRACTORS ARE REQUIRED TO OBTAIN ALL OF THEIR RESPECTIVE PERMITS (GENERAL, ELECTRICAL), FINAL INSPECTIONS, CERTIFICATIONS AND CLOSE-OUT OF PERMITS.
2. CONTRACTOR(S) ARE RESPONSIBLE FOR CHECKING ALL CONTRACT DOCUMENTS, FIELD CONDITIONS, AND DIMENSIONS FOR ACCURACY AND CONFIRMING THAT WORK IS BUILDABLE AS SHOWN BEFORE PROCEEDING WITH THE CONSTRUCTION. IF THERE ARE ANY QUESTIONS, THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE ENGINEER BEFORE PROCEEDING WITH THE WORK IN QUESTION OR RELATED WORK.
3. CONTRACTOR(S) SHALL NOT SCALE DRAWINGS, WRITTEN DIMENSIONS SHALL ALWAYS GOVERN. SCALES SHOWN ARE FOR REFERENCE ONLY, AND CONTRACTOR SHALL FIELD VERIFY ALL SCALES AND DIMENSIONS. CONTRACTOR(S) REQUIRING DIMENSIONS NOT NOTED, SHALL CONTACT THE ARCHITECT/ENGINEER FOR SUCH INFORMATION PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
4. LARGE SCALE DRAWINGS TAKE PRECEDENCE OVER SMALL SCALE, DETAILS TAKE PRECEDENCE OVER ALL. CONTRACTOR(S) SHALL NOTIFY ENGINEER OF CONFLICTS IN WRITING, PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
5. AT COMPLETION OF THE WORK, CONTRACTOR(S) SHALL REMOVE ALL MARKS, STAINS, FINGERPRINTS, DUST, DIRT, SPLATTERED PAINT, AND BLEMISHES RESULTING FROM THE VARIOUS OPERATIONS THROUGHOUT THE PROJECT.
6. DO NOT INTERRUPT SERVICE TO PARTS OF THE BUILDING OUTSIDE CONTRACT LIMITS OF THIS PROJECT.
7. DETAILS ARE USUALLY KEYED ONLY ONCE (ON THE PLANS OR ELEVATIONS WHEN THEY FIRST OCCUR) AND ARE TYPICAL FOR SIMILAR CONDITIONS THROUGHOUT UNLESS NOTED OTHERWISE.
8. "TYPICAL" OR "TYP." MEANS FOR ALL SIMILAR CONDITIONS, UNLESS NOTED OTHERWISE.
9. NOT ALL SYMBOLS ARE NECESSARILY USED ON THIS PROJECT.
10. ALL DIMENSIONS GIVEN AS CLEAR ARE NOT ADJUSTABLE WITHOUT ARCHITECT / ENGINEERS APPROVAL.
11. UNLESS OTHERWISE NOTED: ON DEMOLITION AND NEW WORK PLANS – WORK SHOWN IN LIGHT/GREY LINETYPE ARE EXISTING TO REMAIN. ON DEMOLITION PLANS – WORK SHOWN IN DARK DASHED LINETYPE ARE EXISTING TO BE REMOVED. ON NEW WORK PLANS – WORK IN DARK LINETYPE ARE NEW, WHETHER LABELED AS NEW OR NOT.
12. CONTRACTOR SHALL FOLLOW ALL GUIDELINES GOVERNING WORK AT ORLANDO INTERNATIONAL AIRPORT INCLUDING GOAA MASTER DESIGN GUIDELINES. COPIES ARE AVAILABLE UPON REQUEST.
13. ANY REFERENCE TO DISCARDING OR DISPOSAL OF MATERIALS OR EQUIPMENT SHALL BE CONSTRUED TO MEAN "OFF SITE" DISPOSAL. CONTRACTOR(S) SHALL BE RESPONSIBLE FOR DISPOSING IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES, ORDINANCES AND REGULATIONS, AND FOR PAYING ALL FEES ASSOCIATED WITH SAME. THE CONTRACTOR SHALL KEEP RECORDS OF THE MATERIAL DISPOSED OFFSITE INCLUDING TIPPING SCALE RECEIPTS, AND SHALL FURNISH THE REPORTS WEEKLY TO THE OAR.
14. THESE DRAWINGS DEPICT EXISTING AND COMPLETED CONDITIONS. THEY DO NOT INCLUDE COMPONENTS THAT MAY BE NECESSARY FOR CONSTRUCTION SAFETY. CONTRACTOR SHALL BE RESPONSIBLE FOR SAFETY IN AND AROUND THE JOB SITE.
15. ALL POWER OUTAGES TO BE COORDINATED WITH OWNER. CONDUCT BETWEEN 11:00 PM AND 5:00 AM ONLY.
16. ALL PERSONNEL ON THIS PROJECT SHALL BE BADGED OR UNDER DIRECT SUPERVISION OR ESCORT BY BADGED PERSONNEL. SEE SPECIFICATIONS FOR DETAILS.

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Maitland, FL 32751 www.mlm-martin.com
AA-C002208

Issue: 100% CONSTRUCTION DOCUMENTS 05-DEC-2018

No.	Date	Description

Project Name:

ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: G011.DWG
Scale: 1/16" = 1'-0"	Seal:
Design By: MAM	
Drawn By: MAM	
Checked By: MLM	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	

Sheet Name:

MASTER KEYNOTE AND GENERAL NOTE LEGEND

Sheet Number:

G011

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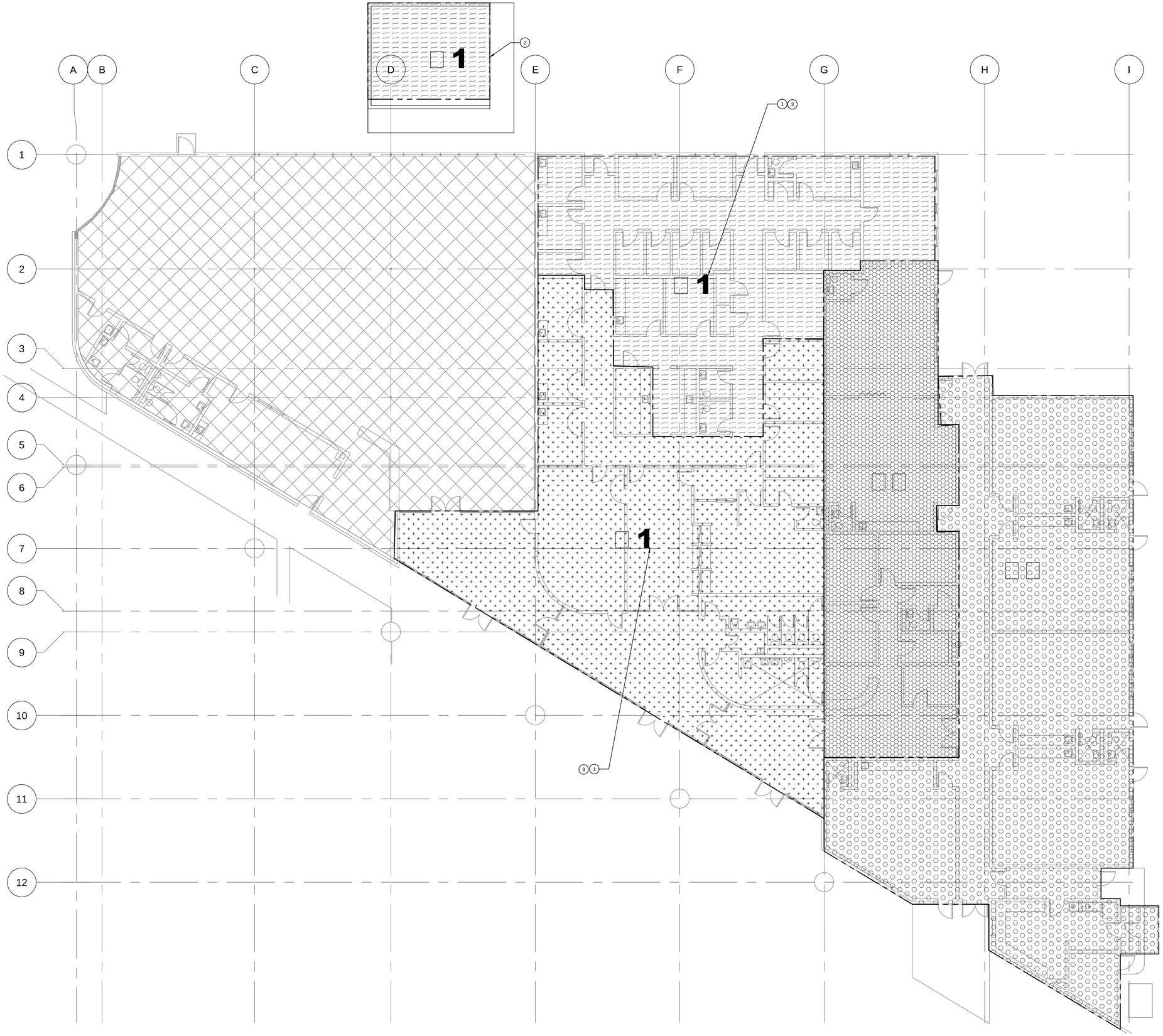

A1 PHASING PLAN

NORTH

0 4' 8' 16'

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

S S

00 NUMERIC NOTE DESIGNATION

NOTATION

1. EQUIPMENT WITHIN CLINIC AREAS SHOULD BE RELOCATED/STORED BY OCCUPANT PRIOR TO START OF WORK. ITEMS NOT RELOCATED; I.E. EXAM TABLES/BEDS AND WALL MOUNTED EQUIPMENT SHALL BE COVERED AND PROTECTED FROM ALL CONSTRUCTION AND DEMOLITION ACTIVITIES.

2. ENCLOSURE AND SLABS SHALL BE COMPLETE PRIOR TO INSTALL OF PACKAGED COOLING EQUIPMENT (SEE MECHANICAL). EXTERIOR WORK MAY BE PERFORMED PRIOR TO INTERIOR RETROFIT. FINAL SCHEDULE / SEQUENCE BY GC.

3. OPEN CEILINGS WITHIN OCCUPIED CLINIC AREAS IS PROHIBITED

S D

- AREA OUTSIDE OF PROJECT SCOPE - N.I.C.
- A1 - HEALTH CLICNIC
- A2 - HEAD START
- B1 - HEALTH CLINIC
- B2 HEAD START

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Issue: 100% CONSTRUCTION DOCUMENTS 05-DEC-2018

No.	Date	Description

Project Name:

ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: G101.DWG
Scale: 1/8" = 1'-0"	Seal:
Design By: MAM	
Drawn By: MAM	
Checked By: MLM	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	

Sheet Name:

PHASING PLAN

Sheet Number:

G101

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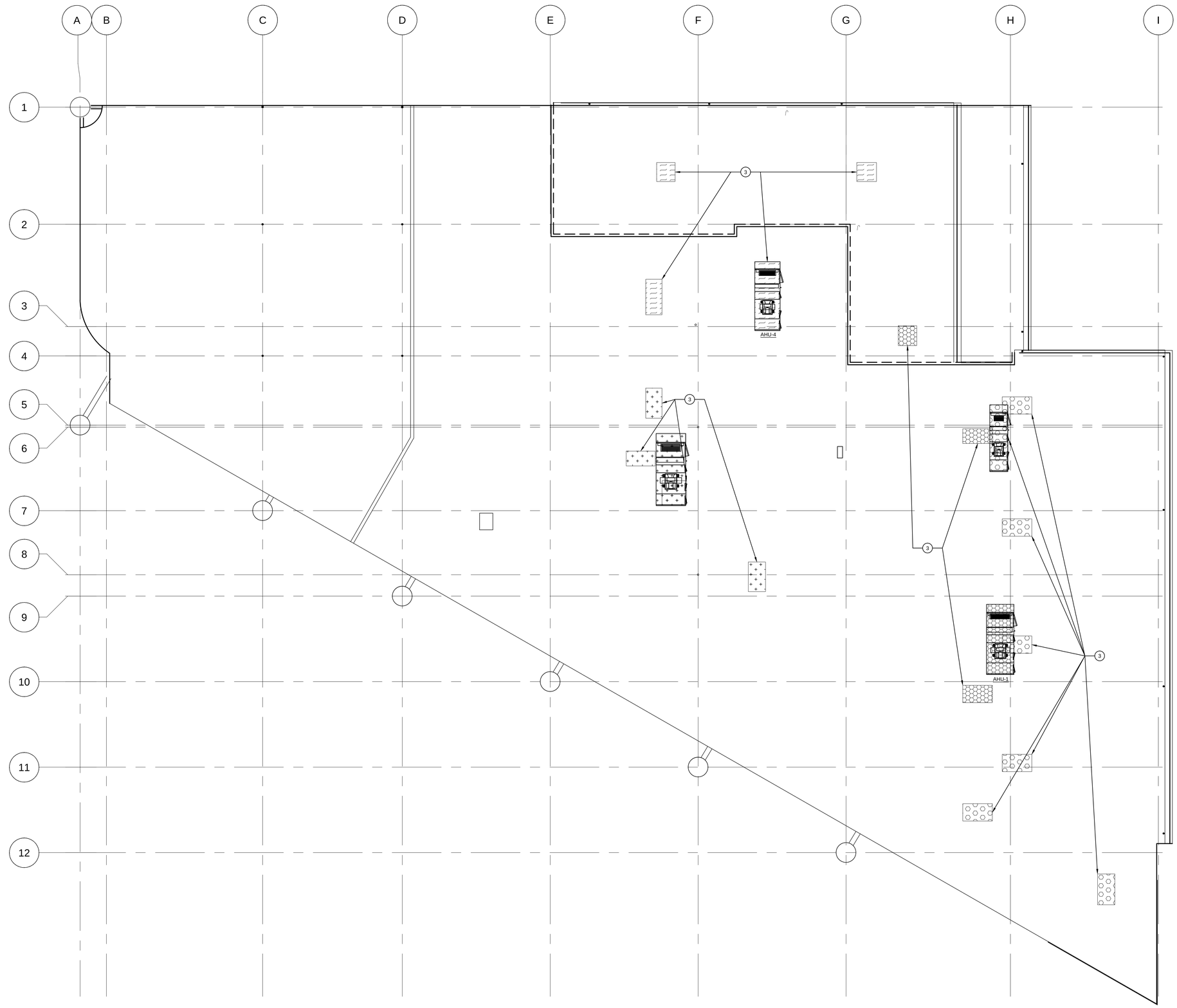

A1 PHASING ROOF PLAN

NORTH

0 4' 8' 16'

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

S S

00 NUMERIC NOTE DESIGNATION

NOTATION

3 TYP. EXISTING PACKAGED ROOF TOP AIR-CONDITIONING UNIT TO BE REMOVED, SEE MECHANICAL. PROVIDE TEMPORARY ROOF ENCLOSURE.

S D

AREA OUTSIDE OF PROJECT SCOPE - N.I.C.

A1 - HEALTH CLICNIC

A2 - HEAD START

B1 - HEALTH CLINIC

B2 - HEAD START

C - REROOF
SEE ROOF PLAN A-401

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Issue: 100% CONSTRUCTION DOCUMENTS 05-DEC-2018

No.	Date	Description

Project Name:

ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: G102.DWG
Scale: 1/8" = 1' - 0"	Seal:
Design By: MAM	
Drawn By: ST MAM	
Checked By: MLM	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	

Sheet Name:

PHASING PLAN - ROOF

Sheet Number:

10

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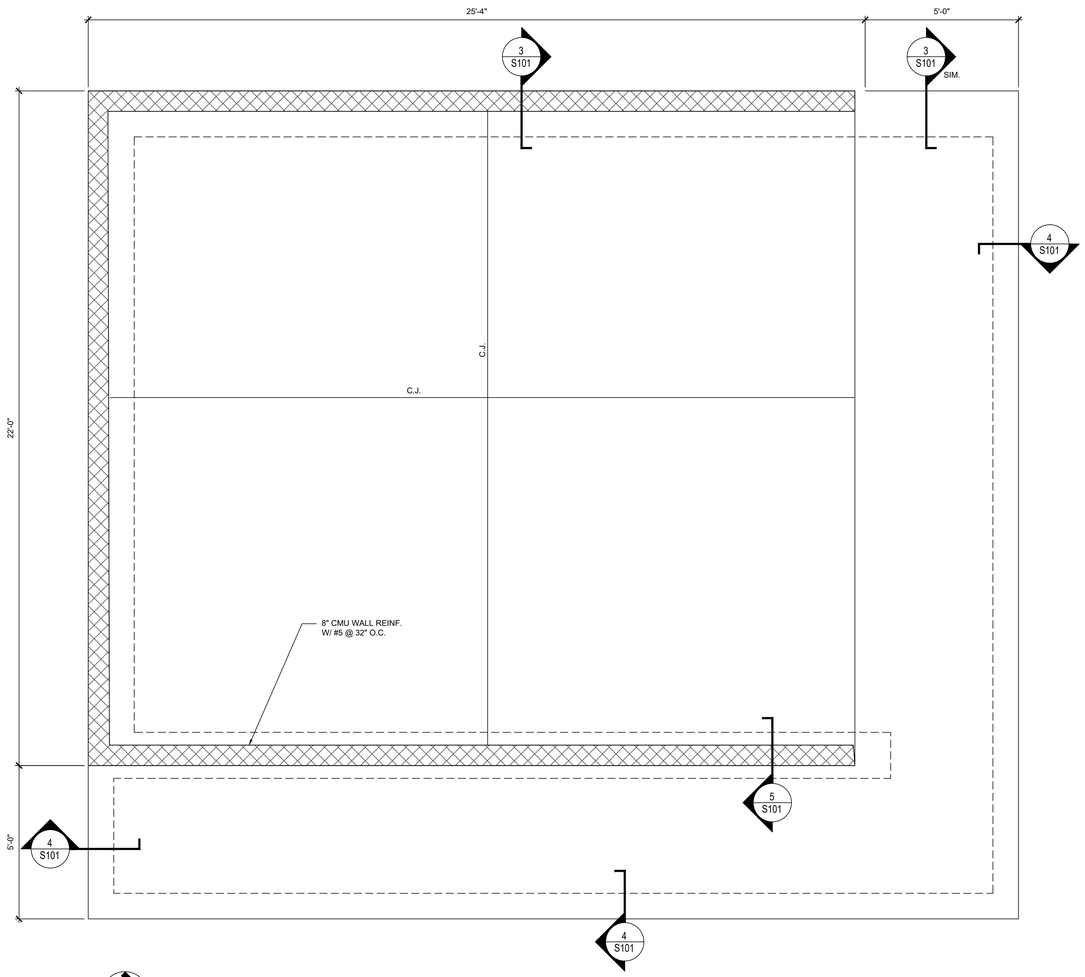


A1 FOUNDATION PLAN

NORTH

0 1' 2' 4'

SCALE: 1/2" = 1'-0"

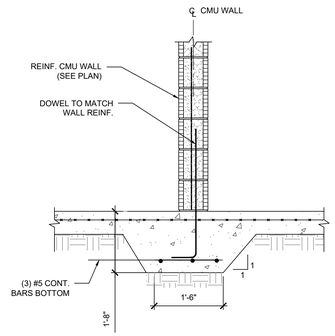
ULTIMATE WIND PRESSURES					
A (SF)	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)	ZONE 4 (PSF)	ZONE 5 (PSF)
<10	17.1	17.1	17.1	38.5	38.5
	-42.1	-70.7	-106.4	-41.8	-51.4
20	16.1	16.1	16.1	36.8	36.8
	-41.0	-63.1	-88.1	-40.0	-48.0
50	16.0	16.0	16.0	34.6	34.6
	-39.6	-53.2	-63.9	-37.8	-43.5
100 +	16.0	16.0	16.0	32.9	32.9
	-38.5	-45.7	-45.7	-36.1	-40.0

NOMINAL WIND PRESSURES					
A (SF)	ZONE 1 (PSF)	ZONE 2 (PSF)	ZONE 3 (PSF)	ZONE 4 (PSF)	ZONE 5 (PSF)
<10	10.3	10.3	10.3	23.1	23.1
	-25.3	-42.4	-63.8	-25.1	-30.8
20	10.0	10.0	10.0	22.1	22.1
	-24.6	-37.9	-52.9	-24.0	-28.8
50	10.0	10.0	10.0	20.7	20.7
	-23.8	-31.9	-38.4	-22.7	-26.1
100 +	10.0	10.0	10.0	19.7	19.7
	-23.1	-27.4	-27.4	-21.7	-24.0

NOTES:
1. ROOF TOP EQUIPMENT SHALL BE DESIGNED FOR A LATERAL PRESSURE OF 110.6 PSF ULTIMATE (66.4 PSF NOMINAL) AND A SIMULTANEOUS UPLIFT PRESSURE OF 53.3 PSF ULTIMATE (32.1 PSF NOMINAL).
2. CORNER AND EDGE ZONES ARE 5 FEET WIDE.

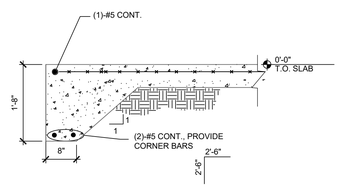
6 S101 WIND PRESSURE TABLES

SCALE: N.T.S.



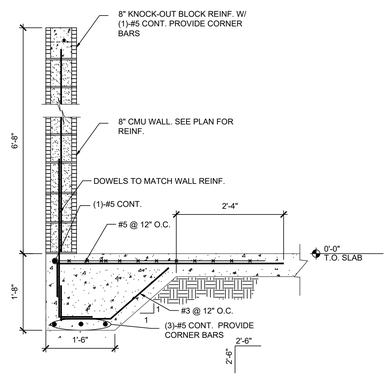
5 S101 SCREENWALL TURNDOWN

SCALE: N.T.S.



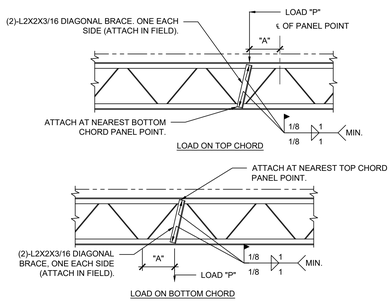
4 S101 SLAB TURNDOWN

SCALE: N.T.S.



3 S101 SLAB TURNDOWN AT SCREEN WALL

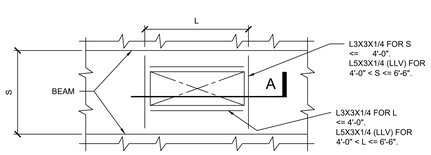
SCALE: N.T.S.



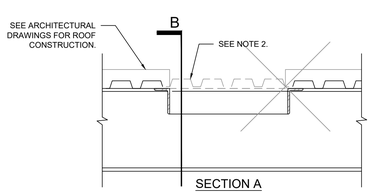
NOTES:
1. DIAGONAL BRACE IS NOT REQUIRED FOR "A" LESS THAN THREE INCHES.
2. PROVIDE DIAGONAL BRACE AT LOCATION OF CONCENTRATED LOADS SUCH AS PARTITIONS, HEAVY PIPES, MECHANICAL UNITS, HEAVY LIGHTS AND ANY OTHER CONCENTRATED LOADS AS DIRECTED BY ENGINEER.
3. P = CONCENTRATED LOAD.

1 S101 STIFFENING OF STEEL JOISTS FOR CONCENTRATED LOADS

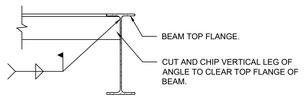
SCALE: N.T.S.



PLAN



SECTION A



SECTION B

NOTES:
1. REFER TO ENGINEER FOR OPENINGS LARGER THAN 6'-6".
2. THE OPENINGS IN THE METAL DECK ARE NOT TO BE CUT AND REMOVED UNTIL THE HOLE IS NEEDED.
3. SEE SPECIFICATIONS FOR OPENINGS WHEN THE LONGEST DIMENSION IS 10" OR LESS.

2 S101 ROOF OPENING STEEL BEAM CONSTRUCTION (ROOF DECK)

SCALE: N.T.S.

NOTES

GENERAL NOTES

A. CODES: FLORIDA BUILDING CODE 2017 AND ALL APPLICABLE LOCAL CODES.

B. DESIGN WIND LOADS

ULTIMATE WIND SPEED	135 MPH
RISK CATEGORY	II
EXPOSURE	C
INTERNAL PRESSURE COEFFICIENT (GCPI)	+/-.18

SEE 6/S101 FOR WIND PRESSURE TABLE.

C. STEEL
1. ALL HOT ROLLED STEEL PLATES, SHAPES AND BARS SHALL BE NEW STEEL CONFORMING TO ASTM SPECIFICATION A6-98A.
2. STRUCTURAL STEEL SHALL BE ASTM A36
3. STRUCTURAL STEEL SHALL MEET THE LATEST AISC "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS."
4. CONNECTIONS:
   a. WELDING SHALL CONFORM TO THE STANDARDS SET FORTH IN AWS "WELDING IN BUILDING CONSTRUCTION."
   b. WELDING: UNLESS NOTED OTHERWISE, ELECTRODES FOR WELDING SHALL CONFORM TO E70XX (SMAW), F7XX-EXX (SAW), ER70S-X (GMAW) OR E7XT-X (FCAW).

D. CONCRETE
1. SEE TYPICAL DETAIL FOR MECHANICAL EQUIPMENT PAD REINFORCEMENT. REFER TO ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION.
2. CONCRETE CONSTRUCTION SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE."
   a. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE I OR II.
   b. ALL AGGREGATE FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C 33.
3. ALL REINFORCEMENT SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
   a. ALL REINFORCING, UNO: ASTM A615, GRADE 60
   b. WELDED WIRE REINFORCEMENT (WWR): DEFORMED WIRE: ASTM A497 (70 KSI)
4. ALL REINFORCEMENT SHALL CONFORM TO THE FOLLOWING SPECIFICATIONS:
   a. ALL REINFORCING, UNO: ASTM A615, GRADE 60
   b. WELDED WIRE REINFORCEMENT (WWR):
5. REINFORCEMENT DETAILING: REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDANCE WITH ACI 315.
6. SEE MECHANICAL DRAWINGS FOR OTHER MISCELLANEOUS WALL OPENINGS OR INFILL. LOCATE THE OPENINGS TO AVOID CUTTING EXISTING REINFORCEMENT.

PLAN NOTES

1. SLAB ON GRADE SHALL BE 6" NORMAL WEIGHT CONCRETE (f'c = 3 KSI) REINFORCED WITH 6x6-W2.1xW2.1 WWR.
2. MECHANICAL DUCT OPENINGS: FIELD LOCATE THE OPENINGS TO AVOID EXISTING STRUCTURAL FRAMING.
3. COORDINATE LOCATION OF STEEL SUPPORT ANGLE UNDER MECHANICAL PAD WITH THE FINAL EQUIPMENT LAYOUT.
4. WEIGHT OF NEW ROOF TOP UNIT IS ASSUMED NOT TO EXCEED 2760 LBS., NOT INCLUDING THE WEIGHT OF THE CURB (NOT INCLUDING THE HOUSE KEEPING PAD). IF THE WEIGHT EXCEEDS THIS, CONTRACTOR TO NOTIFY THE STRUCTURAL ENGINEER FOR REQUIRED MEMBER RETROFIT.

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BASE CONSULTANTS
Engineering + Construction | CGC 1521662

CERTIFICATE OF AUTHORIZATION No. 27343
LAURA BARBERO-BUFFA, P.E. No. 74027

1214 EAST CONCORD STREET
ORLANDO, FLORIDA 32803
P: 407.377.7227

Issue:

No.	Date	Description
	12/3/18	100% CONSTRUCTION DOCUMENTS

Project Name:

ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: S101.DWG
Scale:	TO THE BEST OF MY KNOWLEDGE THESE DRAWINGS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE BUILDING CODES.
Design By: LBB	ENGINEER SEAL
Drawn By: MR	
Checked By: SA	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	NAME: LAURA L. BARBERO BUFFA P.E. REG. NO. 74027

Sheet Name:

ENCLOSURE PLAN AND DETAILS

Sheet Number:

S101

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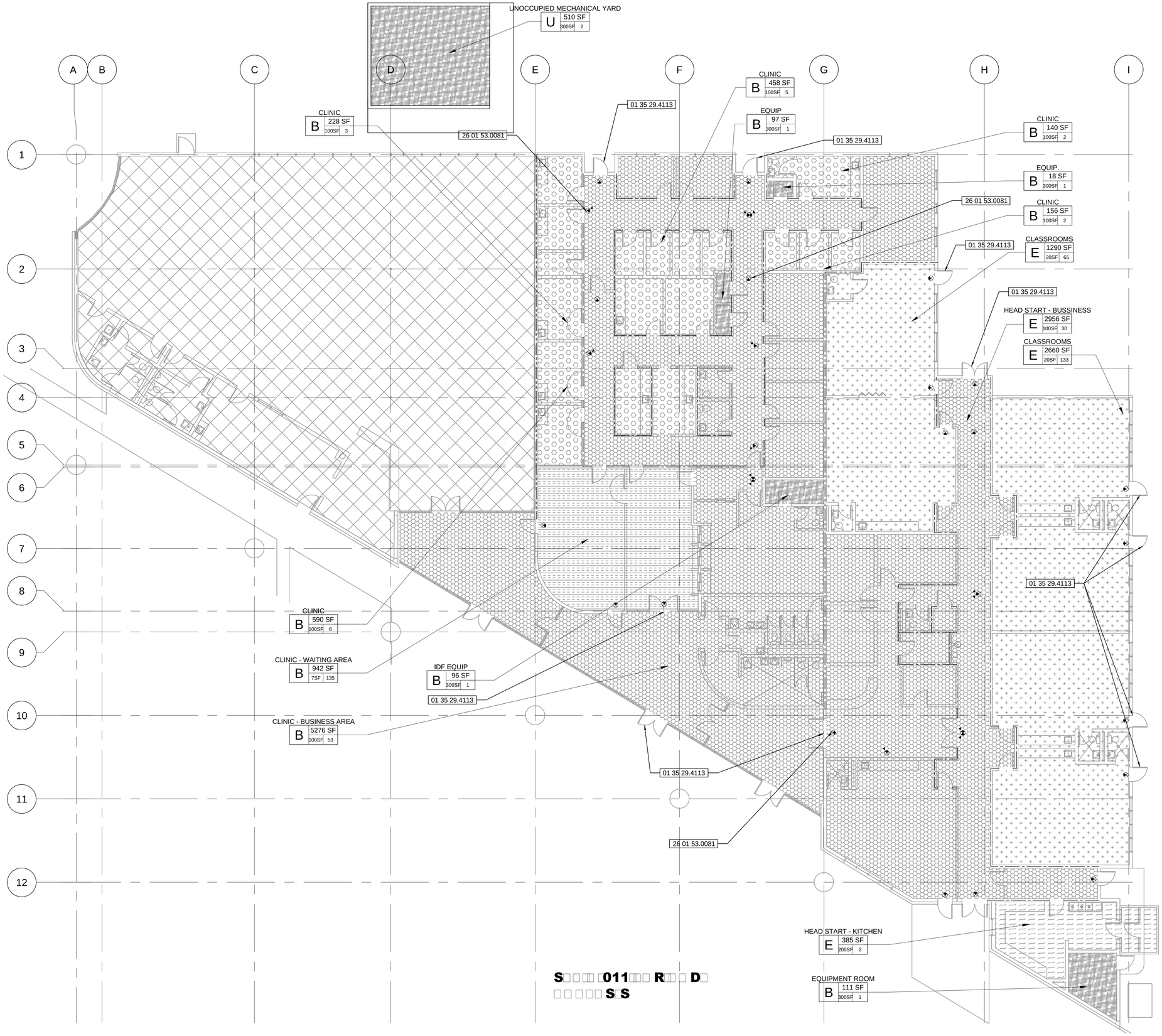

S 011 R D
S S

A1 LIFESAFETY PLAN

NORTH

0 2' 4' 8'

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

KEYNOTES

NUMERIC NOTE DESIGNATION
00 00 00.0000

NOTATION

01 35 29.4113 TYP. CONTRACTOR TO ENSURE FULL WIDTH OF EMERGENCY EGRESS PATH IS MAINTAINED IN CLEAR UNOBSTRUCTED MANNER UNTIL SUCH TIME AS SECTOR OF WORK IS PROVIDED NOTICE TO PROCEED.

26 01 53.0081 TYP. REPLACE EXISTING CEILING MOUNTED EXIT SIGNS IN KIND. MATCH EXISTING ARROW INDICATORS.

S S R

COORDINATE DELIVERIES AND STORAGE LOCATION WITH OWNER AND OCCUPANTS OF THE BUILDING. DELIVER MATERIALS IN THEIR ORIGINAL PACKAGES, CONTAINERS, OR BUNDLES BEARING BRAND NAME AND IDENTIFICATION OF MANUFACTURER OR SUPPLIER. STORE MATERIALS UNDER COVER AND KEEP THEM DRY AND PROTECTED AGAINST DAMAGE FROM WEATHER, SUNLIGHT, SURFACE CONTAMINATION, CORROSION, CONSTRUCTION TRAFFIC, AND OTHER CAUSES

R R S

EXISTING 1HR PARTITION

EXISTING 2HR PARTITION

S M D

EXISTING EXIT SIGNS TO REMAIN

NAME
B 150 SF
SF #
AREA OCCUPANCY FUNCTION AND CAPACITY

1 = 1 IN .000
COMPONENT OF EGRESS WIDTH AND CAPACITY

X
EXISTING FIRE EXTINGUISHER LOCATION

D

AREA OUTSIDE OF PROJECT SCOPE - N.I.C. LIBRARY ACCESSORY TO EDUCATION

CLASSROOM AREA

KITCHENS, COMMERCIAL

BUSINESS AREAS

OUTPATIENT AREAS

ACCESSORY STORAGE AREAS, MECHANICAL EQUIPMENT ROOM

ASSEMBLY WITHOUT FIXED SEATS CONCENTRATED (CHAIRS ONLY—NOT FIXED)

SGM ENGINEERING INC.
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407.897.6764 ph 407.894.1338 fax www.mlm-martin.com
AA-C002208

Issue: 100% CONSTRUCTION DOCUMENTS		05-DEC-2018
No.	Date	Description

Project Name:
ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: A101.DWG
Scale: 1/8" = 1'-0"	Seal:
Design By: MAM	
Drawn By: MAM	
Checked By: MLM	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	

Sheet Name:
LIFE SAFETY PLAN

Sheet Number:
101

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FILE: P:\17651-2_OC-LILA HVAC\000 - WORKING\A101.DWG
PRINTED: 11/30/2018 LAST SAVED BY: MAMARTIN

A1 DEMOLITION CEILING PLAN

NORTH

0 4' 8' 16'

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

KEYNOTES

NUMERIC NOTE DESIGNATION

00 00 00.0000 NOTATION

02 41 09.5123	TYP. EXISTING ACOUSTICAL TILE CEILING TO BE REMOVED, COMPLETE.
02 44 00.D545	TYP. EXISTING LIGHT FIXTURES TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION.
07 84 13.0017	TYP. PROTECT AND SEAL FIRE WALL FROM ALL EXISTING AND NEW PENETRATIONS W/ APPROPRIATE UL LISTED FIRESTOPPING ASSEMBLIES TO MAINTAIN ROOM RATING AND FIRE PROTECTION PRESSURIZATION REQUIREMENTS.

D

ACT CEILING TO BE REMOVED COMPLETE

EXISTING LIGHTING TO REMAIN OR BE RELOCATED

EXISTING EXIT LIGHT TO BE REPLACED

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Fax: 407-767-5772
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AA-C002208

Issue: 100% CONSTRUCTION DOCUMENTS 05-DEC-2018

No.	Date	Description

Project Name:

ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: AD301.DWG
Scale: 1/8" = 1'-0"	Seal:
Design By: MAM	
Drawn By: MAM	
Checked By: MLM	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	

Sheet Name:

DEMOLITION CEILING PLAN

Sheet Number:

D01

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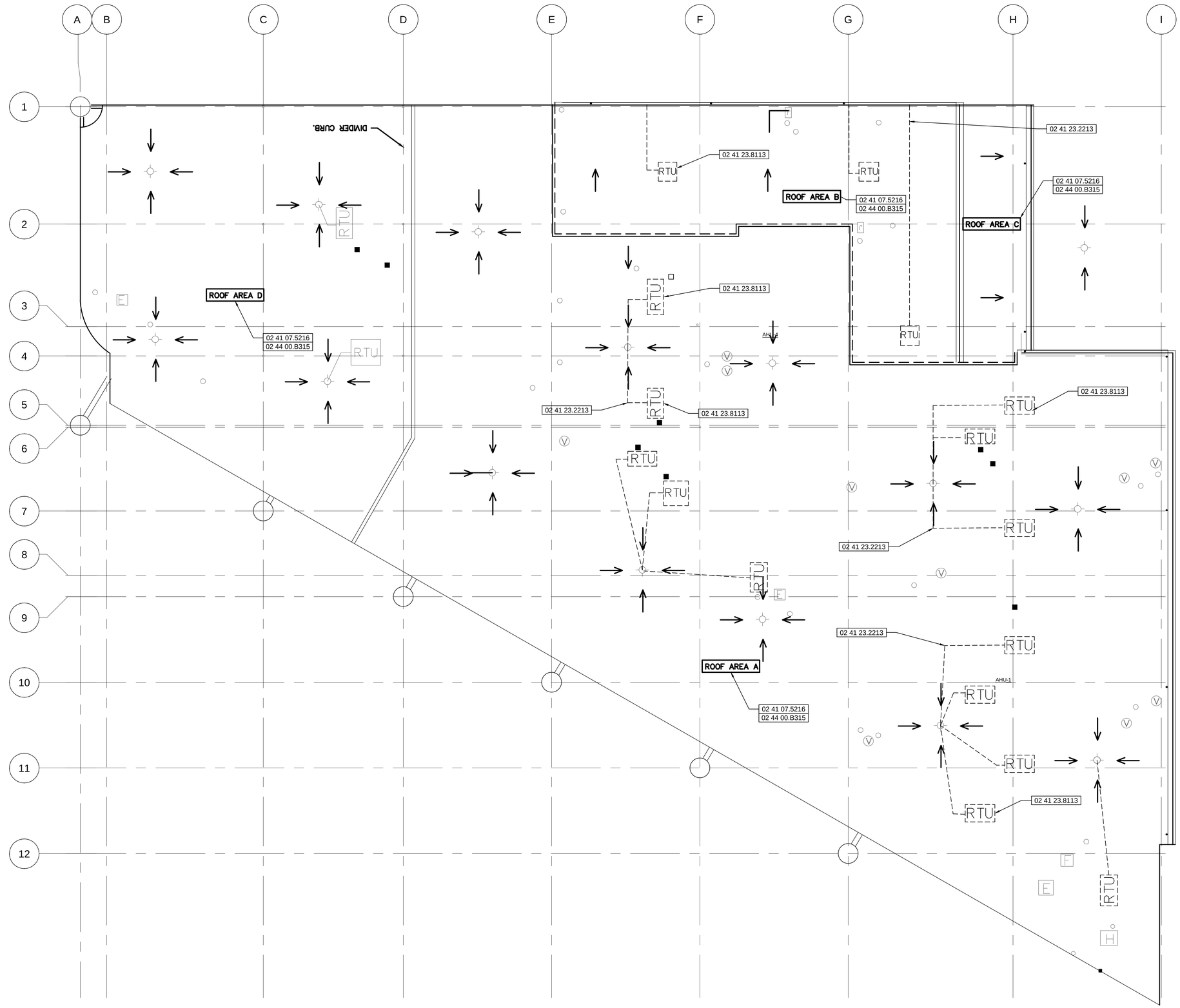
PRINTED: 11/30/2018 LAST SAVED BY: MAMARTIN



A1 DEMOLITION ROOF PLAN

NORTH

0 4' 8' 16'

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

KEYNOTES

NUMERIC NOTE DESIGNATION

00 00 00.0000 NOTATION

02 41 07.5216	TYP. EXISTING MODIFIED BITUMINOUS SBS ROOFING MEMBRANE PLYS TO BE REMOVED.
02 41 23.2213	TYP. EXISTING CONDENSATE PIPING TO BE REMOVED COMPLETE WITH SLEEPERS AND OTHER SUPPORTS.
02 41 23.8113	TYP. EXISTING PACKAGED ROOF TOP AIR-CONDITIONING UNIT TO BE REMOVED, SEE MECHANICAL. PROVIDE TEMOPRRARY ROOF ENCLOSURE.
02 44 00.B315	TYP. EXISTING ROOF SLOPE TO REMAIN, ENSURE PROPER DRAINAGE TO EXISTING RD AND OR OD ARE MAINTAINED FOR THE DURATION OF DEMOLITION/CONSTRUCTION.

D

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Maitland, FL 32751 www.mlm-martin.com

Issue: 100% CONSTRUCTION DOCUMENTS 05-DEC-2018

No.	Date	Description

Project Name:

ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: AD401.DWG
Scale: 1/8" = 1'-0"	Seal:
Design By: MAM	
Drawn By: MAM	
Checked By: MLM	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	

Sheet Name:

DEMOLITION ROOF PLAN

Sheet Number:

D 01

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PRINTED: 11/30/2018 LAST SAVED BY: STRIMBOLI

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N.T.S.

D2 EXISTING CONDITIONS
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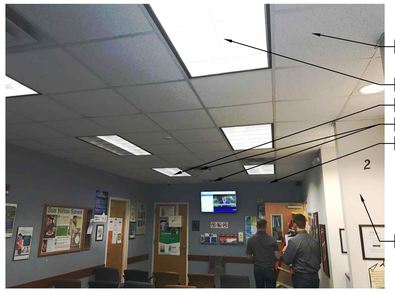

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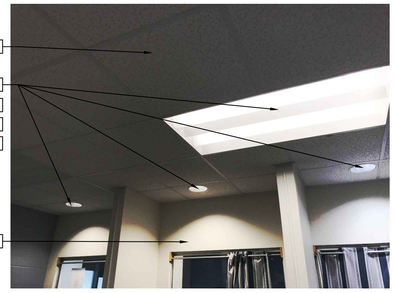

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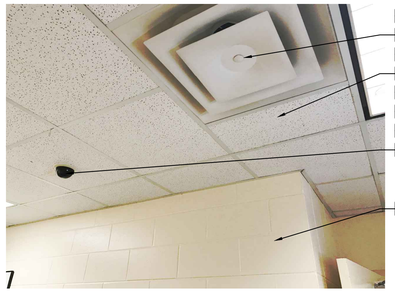

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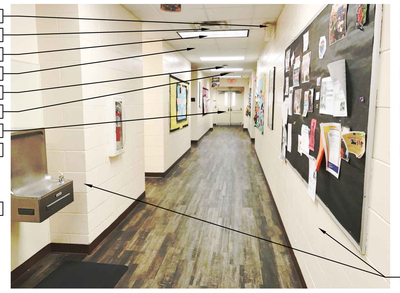

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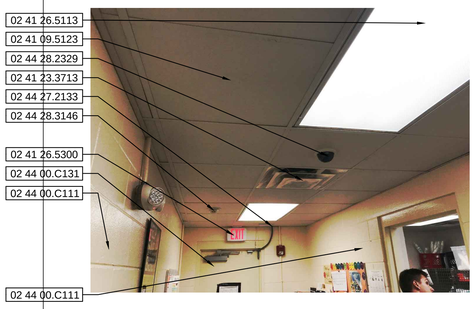

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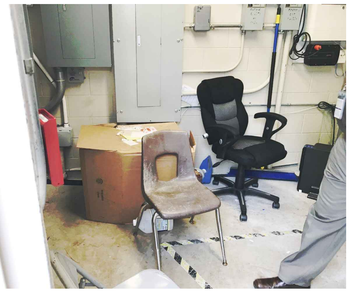

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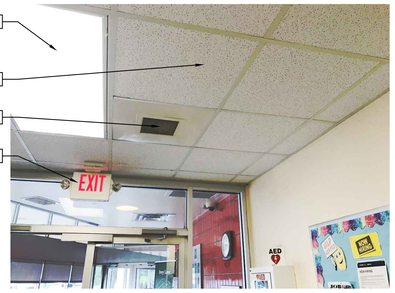

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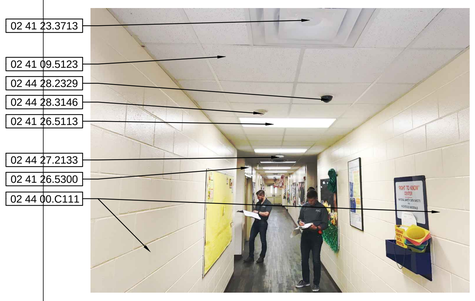

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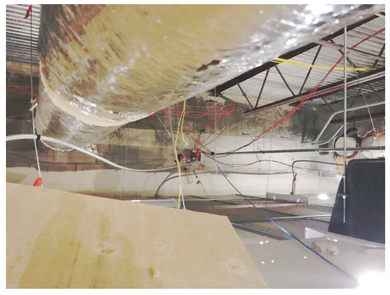

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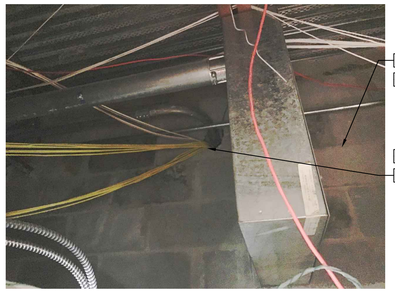

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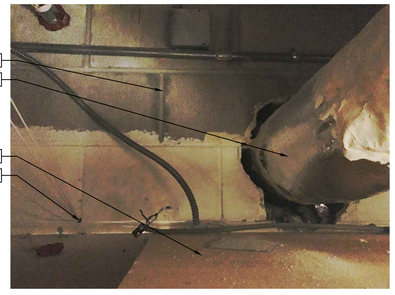

A3 EXISTING CONDITIONS
N.T.S.

A4 EXISTING CONDITIONS
N.T.S.

KEYNOTES

NUMERIC NOTE DESIGNATION
00 00 00.0000

NOTATION

00 00 00.0000	KEYNOTE MARKER DESIGNATIONS UTILIZE MASTERFORMAT2012 FOR ORGANIZATIONAL PURPOSES ONLY. THEY NEITHER CORRELATE TO NOR SIGNIFY THE EXISTENCE OF A PARTICULAR SPECIFICATION SECTION.
02 41 09.2113	TYP. EXISTING PLASTER ASSEMBLIES TO BE REMOVED.
02 41 09.5113	TYP. EXISTING ACOUSTICAL TILE CEILING TO BE REMOVED, COMPLETE.
02 41 09.5123	TYP. EXISTING ACOUSTICAL TILE CEILING TO BE REMOVED, COMPLETE.
02 41 23.3713	TYP. EXISTING DIFFUSERS, REGISTERS AND OR GRILLES TO BE REMOVED. SEE MECHANICAL.
02 41 26.5113	TYP. EXISTING INTERIOR LIGHT FIXTURE TO BE REMOVED, COMPLY WITH LOCAL CODES AND LAWS FOR DISPOSAL OF LAMPS AND/OR BALLISTS.
02 41 26.5300	TYP. EXISTING EXIT SIGN TO BE REMOVED.
02 44 00.C111	TYP. EXISTING INTERIOR FIXED PARTITION TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION.
02 44 00.C131	TYP. EXISTING INTERIOR SWINGING DOORS TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION.
02 44 27.2133	TYP. EXISTING DATA COMMUNICATIONS WIRELESS ACCESS POINT TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION ENSURE REINSTALL IN SAME LOCATION WITH SAME FUNCTION AS PRIOR TO START OF WORK.
02 44 28.2329	TYP. EXISTING VIDEO SURVEILLANCE DEVICE TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION ENSURE REINSTALL IN SAME LOCATION WITH SAME FUNCTION AS PRIOR TO START OF WORK.
02 44 28.3146	TYP. EXISTING SMOKE DETECTION SENSORS TO REMAIN, PROTECT DURING DEMOLITION/CONSTRUCTION ENSURE REINSTALL IN SAME LOCATION WITH SAME FUNCTION AS PRIOR TO START OF WORK.
07 84 13.0017	TYP. PROTECT AND SEAL FIRE WALL FROM ALL EXISTING AND NEW PENETRATIONS W/ APPROPRIATE UL LISTED FIRESTOPPING ASSEMBLIES TO MAINTAIN ROOM RATING AND FIRE PROTECTION PRESSURIZATION REQUIREMENTS.

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AA-C002208

Issue: 100% CONSTRUCTION DOCUMENTS 05-DEC-2018

No.	Date	Description

Project Name:

ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: AD801.DWG
Scale:	Seal:
Design By:	
Drawn By:	
Checked By:	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	

Sheet Name:

EXISTING CONDITIONS

Sheet Number:

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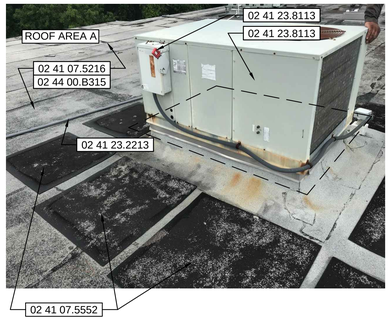

D1 EXISTING CONDITIONS
N.T.S.

D2 EXISTING CONDITIONS
N.T.S.

D3 EXISTING CONDITIONS
N.T.S.

D4 EXISTING CONDITIONS
N.T.S.

C1 EXISTING CONDITIONS
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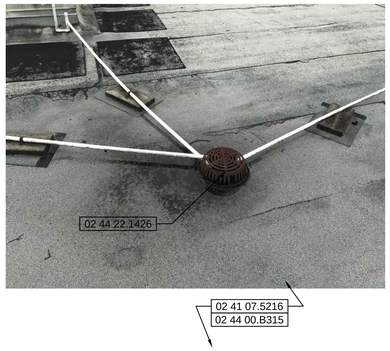

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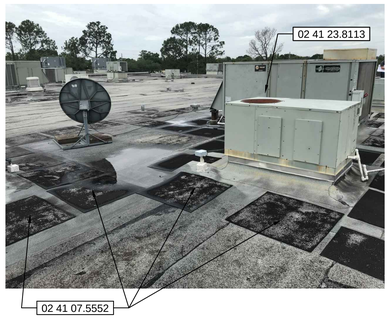

C3 EXISTING CONDITIONS
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C4 EXISTING CONDITIONS
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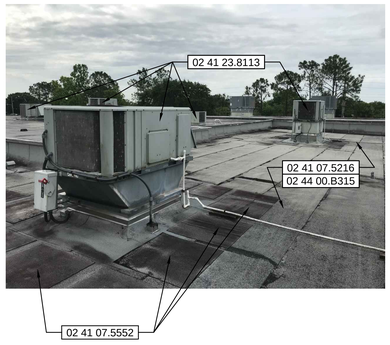

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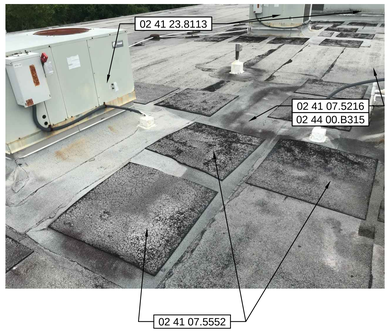

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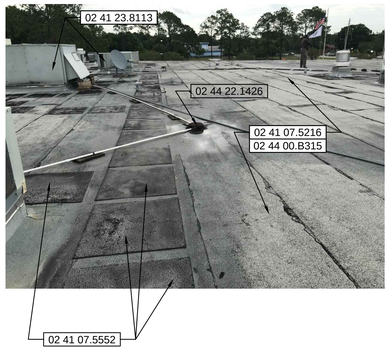

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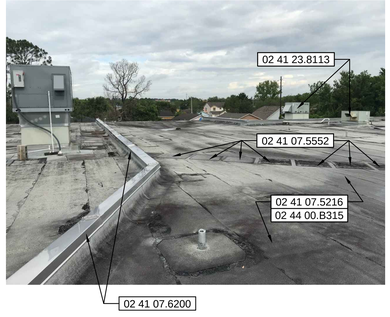
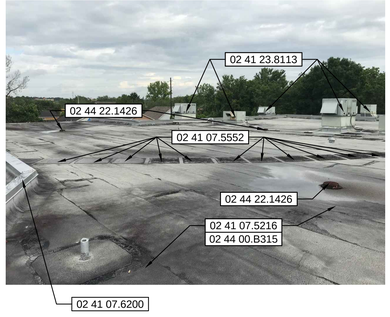


A1 EXISTING CONDITIONS
N.T.S.



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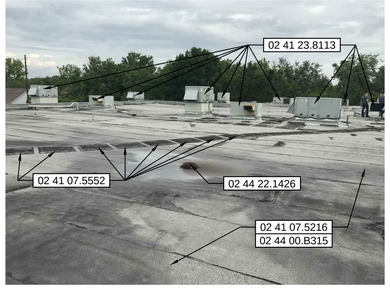

A3 EXISTING CONDITIONS
N.T.S.

A4 EXISTING CONDITIONS
N.T.S.

KEYNOTES

NUMERIC NOTE DESIGNATION
00 00 00.0000

NOTATION

02 41 07.5216	TYP. EXISTING MODIFIED BITUMINOUS SBS ROOFING MEMBRANE PLYS TO BE REMOVED.
02 41 07.5552	TYP. EXISTING WALKING PADS / PROTECTION PLY TO BE REMOVED.
02 41 07.6200	TYP. EXISTING SHEETMETAL FLASHING AND TRIM TO BE REMOVED. VERIFY SUTIBILITY OF BLOCKING UNCOVERED. REPAIR IN KIND IF DAMAGED, FR.
02 41 23.2213	TYP. EXISTING CONDENSATE PIPING TO BE REMOVED COMPLETE WITH SLEEPERS AND OTHER SUPPORTS.
02 41 23.8113	TYP. EXISTING PACKAGED ROOF TOP AIR-CONDITIONING UNIT TO BE REMOVED, SEE MECHANICAL. PROVIDE TEMOPRRARY ROOF ENCLOSURE.
02 44 00.B315	TYP. EXISTING ROOF SLOPE TO REMAIN, ENSURE PROPER DRAINAGE TO EXISTING RD AND OR OD ARE MAINTAINED FOR THE DURATION OF DEMOLITION/CONSTRUCTION.
02 44 22.1426	TYP. EXISTING ROOF STORM DRAINS TO REMAIN. TEMPORARILY REMOVE LEAF GUARD / BASKET FOR INSTALL OF NEW MEMBRANE, SEE DETAILS AND REINSTALL LEAF GUARD / BASKET.

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AA-C002208

Issue: 100% CONSTRUCTION DOCUMENTS 05-DEC-2018

No.	Date	Description

Project Name:
ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: AD871.DWG
Scale: 1/16" = 1'-0"	Seal:
Design By: MAM	
Drawn By: MAM	
Checked By: MLM	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	

Sheet Name:
EXISTING CONDITIONS ROOF

Sheet Number:
D 1

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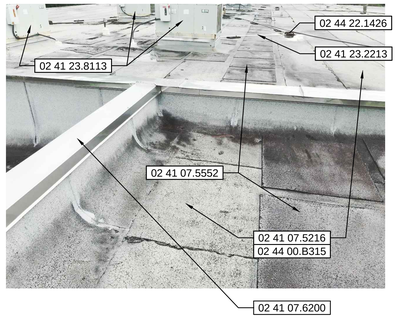
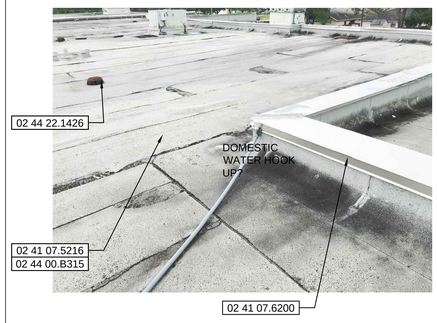


D1 EXISTING CONDITIONS
N.T.S.



D2 EXISTING CONDITIONS
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D3 EXISTING CONDITIONS
N.T.S.

D4 EXISTING CONDITIONS
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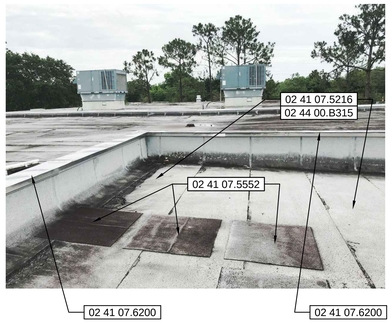

C2 EXISTING CONDITIONS
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C3 EXISTING CONDITIONS
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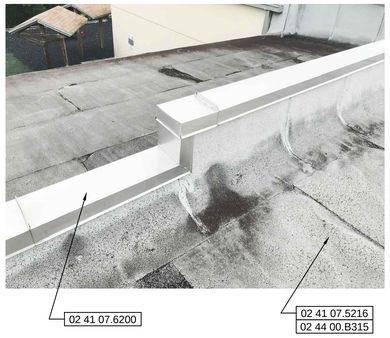

C4 EXISTING CONDITIONS
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B3 EXISTING CONDITIONS
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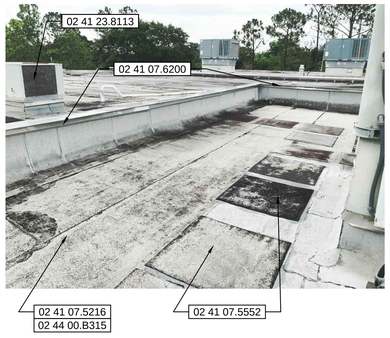
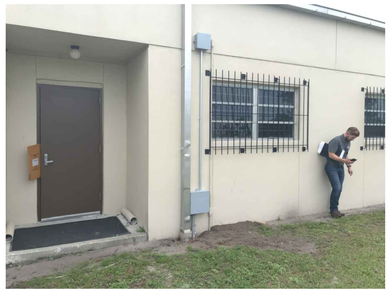


B4 EXISTING CONDITIONS
N.T.S.

A1 EXISTING CONDITIONS
N.T.S.



A2 EXISTING CONDITIONS
N.T.S.

A3 EXISTING CONDITIONS
N.T.S.

A4 EXISTING CONDITIONS
N.T.S.

KEYNOTES

NUMERIC NOTE DESIGNATION
00 00 00.0000

NOTATION

02 41 07.5216	TYP. EXISTING MODIFIED BITUMINOUS SBS ROOFING MEMBRANE PLYS TO BE REMOVED.
02 41 07.5552	TYP. EXISTING WALKING PADS / PROTECTION PLY TO BE REMOVED.
02 41 07.6200	TYP. EXISTING SHEETMETAL FLASHING AND TRIM TO BE REMOVED. VERIFY SUTIBILITY OF BLOCKING UNCOVERED. REPAIR IN KIND IF DAMAGED, FR.
02 41 23.2213	TYP. EXISTING CONDENSATE PIPING TO BE REMOVED COMPLETE WITH SLEEPERS AND OTHER SUPPORTS.
02 41 23.8113	TYP. EXISTING PACKAGED ROOF TOP AIR-CONDITIONING UNIT TO BE REMOVED, SEE MECHANICAL. PROVIDE TEMOPRRARY ROOF ENCLOSURE.
02 44 00.B315	TYP. EXISTING ROOF SLOPE TO REMAIN, ENSURE PROPER DRAINAGE TO EXISTING RD AND OR OD ARE MAINTAINED FOR THE DURATION OF DEMOLITION/CONSTRUCTION.
02 44 22.1426	TYP. EXISTING ROOF STORM DRAINS TO REMAIN. TEMPORARILY REMOVE LEAF GUARD / BASKET FOR INSTALL OF NEW MEMBRANE, SEE DETAILS AND REINSTALL LEAF GUARD / BASKET.

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Issue: 100% CONSTRUCTION DOCUMENTS 05-DEC-2018

No.	Date	Description

Project Name:
ORANGE COUNTY LILA BUILDING HVAC REPLACEMENT

Project Number: SGM: 2017-327 | MLM: 17651-2	Drawing File Name: AD872.DWG
Scale: NO SCALE	Seal:
Design By: MAM	
Drawn By: ST | MAM	
Checked By: MLM	
Architect of Record: MIGUEL ANTONIO MARTIN	
License Number: AR 98279	

Sheet Name:
EXISTING CONDITIONS ROOF

Sheet Number:
D

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