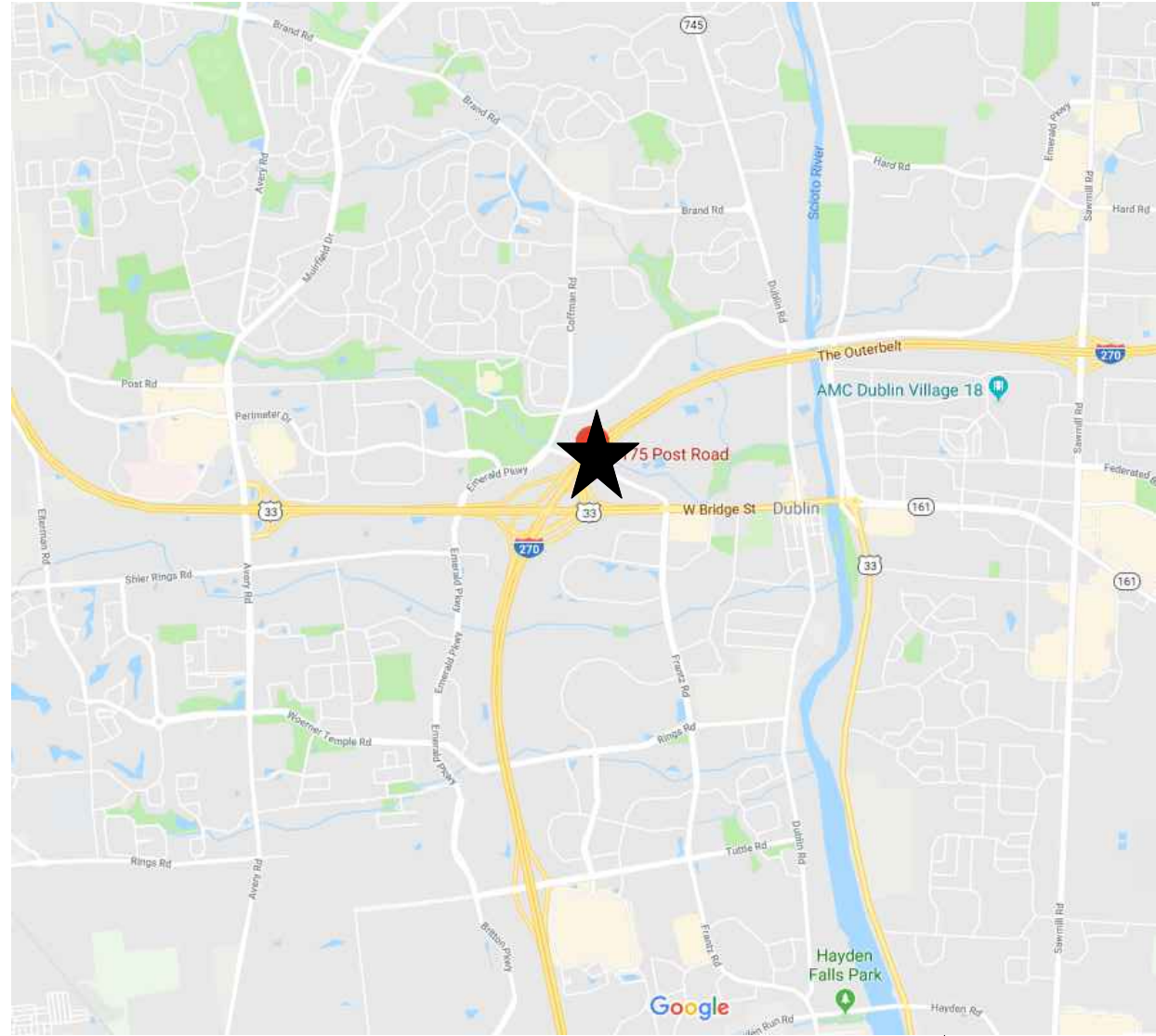


SYMBOLS

	WINDOW NUMBER	\pm	PLUS OR MINUS LAST INDICATED UNIT
	WALL TYPES		CENTER LINE
	DOOR NUMBER	\emptyset	DIAMETER OR ROUND
	REVISION NUMBER	\angle	ANGLE
	ROOM/SPACE NUMBER		CHANNEL
	COLUMN LINE		
	EXTERIOR ELEVATION NO. DWG. REF. NO.		
	WALL SECTION NO. DWG. REF. NO.		
	DETAIL NO. DWG. REF. NO.		
	INTERIOR ELEVATION NO. DWG. REF. NO.		

LOCATION MAP



PROJECT LOCATION ★

SITE PLAN



COURTYARD MARRIOTT

5175 POST ROAD
DUBLIN, OH 43017FACADE RENOVATION
CONSTRUCTION DOCUMENT SET

CODE INFORMATION

APPLICABLE CODES:
ALL WORK SHALL BE IN CONFORMANCE, BUT NOT LIMITED TO THE REQUIREMENTS OF THE FOLLOWING
AND ANY OTHER STATE OR LOCAL CODES HAVING JURISDICTION.

2017 OHIO BUILDING CODE (BASED UPON THE 2015 IBC)
2017 OHIO MECHANICAL CODE (BASED UPON THE 2015 IMC)
2017 OHIO PLUMBING CODE (BASED UPON THE 2015 IPC)
2017 OHIO FIRE CODE (BASED UPON THE 2015 IFC)
OHIO ENERGY CODE CHAPTER 13, 2017 OHIO BUILDING CODE
2012 INTERNATIONAL ENERGY CODE OR
2010 ASHRAE 90.1
2015 INTERNATIONAL FUEL GAS CODE
2017 NATIONAL ELECTRIC CODE, NFPA 70

CODE DATA:
USE AND OCCUPANCY CLASSIFICATION
EXISTING RESIDENTIAL R-1

TYPES OF CONSTRUCTION
EXISTING 3A

BUILDING HEIGHT
EXISTING 4 STORY

BUILDING AREA
EXISTING 80,830 SF

MIXED OCCUPANCY
EXISTING RESTAURANT IS INCIDENTAL USE AND LESS THAN 10% OF FLOOR AREA
2 HR SEPARATION WITH 1 1/2 HR DOORS PROVIDED.

TENANT SEPARATION N/A

DWELLING UNIT SEPARATION
EXISTING 1 HR WALLS WITH 20 MIN. DOORS AND FRAMES

ACCESSIBILITY
EXISTING, ALL AREAS OF PROJECT SHALL CONFORM TO ACCESSIBILITY REQUIREMENTS.

CONTRACTOR GENERAL NOTES:
- ALL WORK TO BE IN ACCORDANCE WITH APPLICABLE CODES.
- WORKMANSHIP TO MEET OR EXCEED ACCEPTED STANDARDS OF RESPECTIVE TRADES.
- VERIFY ALL DIMENSIONS, ELEVATIONS, AND FIELD CONDITIONS BEFORE START OF CONSTRUCTION.
NOTIFY ARCHITECT IF ANY CONFLICTS EXIST PRIOR TO COMMENCEMENT OF WORK.
- FIRE RETARDANT TREATED WOOD (EXTERIOR OR INTERIOR GRADE) MUST BE USED IN ALL WOOD CONSTRUCTION MATERIALS.
- FOR ALL WALL SYSTEMS WITH EIFS USE EXTERIOR GRADE GLASS MATT SHEATHING OR CEMENTITIOUS BOARD ONLY.

FIRE EXTINGUISHERS WILL BE PROVIDED AS REQUIRED BY AUTHORITY HAVING JURISDICTION OR AS DIRECTED BY THE LOCAL FIRE DEPARTMENT.

WALL R-VALUE = 19
ROOF R-VALUE - AS REQUIRED TO MEET MINIMUM ENERGY CODE REQUIREMENTS.

SCOPE OF WORK

THIS PROJECT IS FOR EXTERIOR RENOVATION/UPGRADE WORK ONLY. WORK INCLUDES BUT NOT LIMITED TO REMOVAL AND REPLACEMENT/REWORK OF PORTE COCHERE CANOPY ROOF SYSTEM MATERIALS/UNDERLAYMENTS/ACCESSORIES/DRAINAGE AND EXTERIOR EXPOSED FINISH MATERIALS/ UNDELYMENTS/AIB/WRB/FLASHINGS AND SHEATHING REPLACEMENT WHERE REQUIRED, REPLACEMENT OF EXISTING DECORATIVE LIGHTING FIXTURES/ACCESS CNTRL DEVICES AND OR REMOVAL/CAPPING OF ELECTRICAL ABANDONED DEVICES AS MAY BE DEEMED NECESSARY ETC., NEW WORK SCOPE INCLUDING FRAMED AND FINISHED ELEVATION DESIGN ELEMENT FEATURES OVER/TIED INTO THE EXISTING BUILDING FRAMES/ROOF AND WEATHER PROTECTION SYSTEMS ALONG THE EXISTING FRONT/REAR ELEVATION FACADES AND ENTRY AREAS AND STAIR ELEMENT/ENCLOSURES FACADES. EXISTING BALCONY LOCATIONS WILL HAVE RAILINGS REPLACED, REPAIR OF THE CONCRETE SLABS AND EXTERIOR LIGHTING REPLACEMENT.

DRAWING INDEX

ISSUED FOR:

12/3/2019 PERMIT SET
11/6/2019 CONSTRUCTION DOCUMENTS
10/01/2019 DESIGN DEVELOPMENT

GENERAL

G0.0.1 COVER SHEET

STRUCTURAL

●	●	●	S0.1.1	GENERAL NOTES
●	●	●	S0.1.2	SPECIFICATIONS
●	●	●	S1.2.1	PARTIAL ROOF FRAMING PLANS
●	●	●	S4.1.1	SECTIONS AND DETAILS

ARCHITECTURAL

●	●	●	A1.1.1	EXISTING ARCHITECTURAL SITE PLAN
●	●	●	AE3.1.1	EXISTING EXTERIOR PARKING SIDE ELEVATION CONDITIONS
●	●	●	AE3.1.2	EXISTING COURTYARD ELEVATION CONDITIONS
●	●	●	AD2.1.1	DEMOLITION FLOOR PLAN
●	●	●	AD2.3.1	DEMOLITION ROOF PLAN
●	●	●	AD3.1.1	DEMOLITION EXTERIOR PARKING SIDE ELEVATIONS
●	●	●	AD3.1.2	DEMOLITION EXTERIOR COURTYARD SIDE ELEVATIONS
●	●	●	A2.3.1	NEW ROOF PLAN
●	●	●	A2.4.1	FRONT FEATURE FRAME - RCP, ENLARGED SECOND FLOOR PLAN AND DETAILS
●	●	●	A2.4.2	STAIRS RCP, DETAILS AND ENLARGED ROOF PLAN
●	●	●	A3.1.1	EXTERIOR PARKING SIDE ELEVATIONS
●	●	●	A3.1.2	EXTERIOR COURTYARD SIDE ELEVATIONS
●	●	●	AC3.1.1	COLORLED EXTERIOR PARKING SIDE ELEVATIONS
●	●	●	AC3.1.2	COLORLED EXTERIOR COURTYARD SIDE ELEVATIONS
●	●	●	A4.1.1	ENLARGED PORTE COCHERE PLANS
●	●	●	A4.1.2	ENLARGED PORTE COCHERE ELEVATION AND SECTION
●	●	●	A4.1.3	WALL SECTIONS

ELECTRICAL

●	●	●	E0.1.1	ELECTRICAL NOTES AND SPECIFICATIONS
●	●	●	ED1.1.1	ELECTRICAL DEMOLITION PLAN
●	●	●	E2.1.1	ELECTRICAL LIGHTING PLAN

SHEET NUMBERING SYSTEM

DISCIPLINE:
SERIES NUMBER
SUB-SERIES NUMBER
NUMBER OF DRAWING
WITH IN SUB-SERIES

A2.1.1

DESIGN TEAM INFORMATION

ARCHITECT (PRIMARY POINT OF CONTACT):

K2M Design, Inc.
Rod Quqa, Project Contact
180 W Ostend St
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tel: 704.765.3215

MEP ENGINEER:

K2M Design, Inc.
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Rogers, AR 72758
tel: 479.802.5513

ARCHITECT:

K2M
DESIGN

Architecture, Engineering,
Interior Design,
Asset Management,
Specialty Consulting

180 West Ostend Street, Ste 217
Baltimore, MD 21230

URL: www.k2mdesign.com

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West | Memphis | Orlando | Baltimore | Baltimore

SEAL:



Consultants:

Submissions:

2019.12.03. PERMIT SET

COURTYARD MARRIOTT - EXTERIOR
5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/3/2019 10:12 AM

Drawing Size 24x36	Project #: 19139
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Drawn By: MC	Checked By: RQ
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Title:

COVER SHEET

Sheet Number:

G0.0.1

Date: November 6, 2019

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J:\2019\19139 - Commonswealth - Courtyard Marriott - Dublin OH Exterior V-CO2 Drawings\Sheet\0011 GENERAL NOTES.dwg, 12/2/2019 10:44 AM, scale: 1"=3' = 1'-0", miked designpld

STRUCTURAL NOTES:

STRUCTURAL DESIGN CRITERIA (2015 INTERNATIONAL BUILDING CODE):

1. LIVE LOADS:
ROOF

20.0 PSF

2. SNOW LOADS:
RISK CATEGORY
GROUND SNOW LOAD, PG
CALCULATED FLAT ROOF SNOW LOAD, PFI4.0 PSF

II
20.0 PSF

3. WIND DESIGN DATA:
ULTIMATE DESIGN WIND SPEED
RISK CATEGORY
EXPOSURE CATEGORY

115 MPH
II
C

COORDINATION:

1. STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH AND COORDINATED WITH ARCHITECTURAL DRAWINGS AND OTHER CONTRACT DOCUMENTS.
2. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL OF THE CONTRACT DOCUMENTS AND LATEST ADDENDA AND FOR SUBMITTING SUCH DOCUMENTS TO SUBCONTRACTORS AND MATERIAL SUPPLIERS PRIOR TO THE SUBMITTAL OF SHOP DRAWINGS, FABRICATION OF ANY STRUCTURAL MEMBERS, AND ERECTION IN THE FIELD. THE GENERAL CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS AND OTHER CONTRACT DRAWINGS AND REPORT ANY DISCREPANCY BETWEEN AND WITHIN EACH SET OF DRAWINGS WITH THE PROJECT ARCHITECT AND THE STRUCTURAL ENGINEER PRIOR TO THE FABRICATION AND INSTALLATION OF ANY STRUCTURAL MEMBERS.
3. DRAWINGS SHOW GENERAL AND TYPICAL SECTIONS/DETAILS OF CONSTRUCTION, WHERE CONDITIONS ARE NOT SPECIFICALLY SHOWN, SIMILAR SECTIONS/DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. THE STRUCTURAL MEMBERS OF THIS PROJECT HAVE BEEN DESIGNED BY THE STRUCTURAL ENGINEER TO RESIST THE REQUIRED CODE GRAVITY AND LATERAL FORCES THAT COULD OCCUR IN THE FINAL COMPLETED STRUCTURE ONLY. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL REQUIRED BRACING/SHORING DURING CONSTRUCTION TO MAINTAIN THE STABILITY AND SAFETY OF ALL STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PROCESS UNTIL THE STRUCTURE IS TIED TOGETHER AND COMPLETED.
5. THE STRUCTURAL ENGINEER SHALL NOT BE RESPONSIBLE FOR THE METHODS, TECHNIQUES AND SEQUENCES OF PROCEDURES TO PERFORM THE WORK. THE SUPERVISION OF THE WORK IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
6. LOADS APPLIED TO THE STRUCTURE DURING CONSTRUCTION SHALL NOT EXCEED THE SAFE LOAD-CARRYING CAPACITY OF THE STRUCTURAL MEMBERS. THE LIVE LOADS USED FOR THE DESIGN OF THE STRUCTURE ARE INDICATED IN THE GENERAL NOTES. DO NOT APPLY ANY CONSTRUCTION LOADS UNTIL STRUCTURAL FRAMING IS PROPERLY INSTALLED AND ALL TEMPORARY BRACING IS IN PLACE.
7. ALL ASTM AND OTHER REFERENCES ARE PER THE LATEST EDITIONS UNLESS NOTED OTHERWISE.
8. EQUIPMENT PADS SHALL BE PROVIDED BY THE MECHANICAL, ELECTRICAL, OR PLUMBING CONTRACTORS REQUIRING THE PAD.
9. SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO FABRICATION. CONTRACTOR SHALL REVIEW, APPROVE AND SIGN EACH SHEET PRIOR TO SUBMISSION. THE STRUCTURAL ENGINEER'S REVIEW SHALL BE FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS. THE ENGINEER'S REVIEW DOES NOT RELIEVE THE CONTRACTOR OF THE SOLE RESPONSIBILITY TO REVIEW, CHECK AND COORDINATE THE SHOP DRAWINGS PRIOR TO SUBMISSION. THE CONTRACTOR REMAINS SOLELY RESPONSIBLE FOR ERRORS AND OMISSIONS ASSOCIATED WITH THE PREPARATION OF THE SHOP DRAWINGS AS THEY PERTAIN TO MEMBER SIZES, DETAILS, DIMENSIONS, ETC. CONTRACT DRAWINGS SHALL NOT BE USED FOR SHOP DRAWINGS. SUBMIT PDF FILES FOR REVIEW
10. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BID TO ASCERTAIN CONDITIONS WHICH MAY ADVERSELY AFFECT THE WORK OR COST THEREOF.
11. WHERE CONFLICTS OCCUR BETWEEN GENERAL NOTES, STRUCTURAL DRAWINGS AND SPECIFICATIONS THE MOST STRINGENT REQUIREMENT SHALL APPLY.
12. THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL SAFETY PRECAUTIONS AND REGULATIONS DURING THE WORK. THE ENGINEER WILL NOT ADVISE NOR ISSUE DIRECTION AS TO SAFETY PRECAUTIONS AND PROGRAMS.

FOUNDATIONS:

1. FOUNDATION DESIGN IS BASED ON ASSUMED 3000 PSF SOIL BEARING PRESSURE.
2. COMPACT ALL MATERIALS SUPPORTING SLAB ON GRADE OR FOOTINGS TO 95% (100% FOR TOP 1 FOOT) OF MAXIMUM DENSITY BY STANDARD PROCTOR (ASTM D-698). SOILS TESTING LABORATORY SHALL CONDUCT COMPACTION TESTS ON ALL STRUCTURAL FILL MATERIAL.
3. COORDINATE FOUNDATION WORK WITH EXISTING UTILITIES. FOUNDATIONS SHALL BE LOWERED WHERE REQUIRED TO AVOID UTILITIES. NOTIFY PROJECT ARCHITECT AND STRUCTURAL ENGINEER TO PROVIDE REINFORCED CONCRETE PIER FOR COLUMN FOOTINGS

CONCRETE:

1. CONCRETE SHALL BE PROPORTIONED TO MEET THE REQUIREMENTS OF THE FOLLOWING:
- ELEMENT

28-DAY STRENGTH (PSI)

SLUMP RANGE (IN.)

UNIT WEIGHT (PCF)

ALL CONCRETE

4000

3-5

150

EXTERIOR CONCRETE

5000

3-5

150
2. PORTLAND CEMENT SHALL BE ASTM C 150, TYPE I. FLY ASH SHALL CONFORM TO ASTM C 618, CLASS F AND SHALL NOT EXCEED 25% OF CEMENT CONTENT BY WEIGHT. SLAG SHALL CONFORM TO ASTM C 989.
3. NORMAL WEIGHT AGGREGATE SHALL CONFORM TO ASTM C 33. CONCRETE AGGREGATE GRADATION SHALL BE IN ACCORDANCE WITH ASTM C33 SPECIFICATION. "SPECIFICATION FOR CONCRETE AGGREGATE". FINE AGGREGATE SHALL CONSIST OF NATURAL SAND OR A COMBINATION THEREOF, WITH A FINENESS MODULUS BETWEEN 2.3 AND 3.1. LARGER COURSE AGGREGATE MIXES UP TO #67 ARE ACCEPTABLE FOR FLOOR SLAB CONCRETE TO MINIMIZE SHRINKAGE CRACKING.
4. CONCRETE EXCEEDING THE SPECIFIED SLUMP RANGES SHALL BE RETURNED. DO NOT ADD WATER TO THE CONCRETE MIX AT THE JOB SITE WITHOUT THE WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER.
5. ALL REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 UNLESS NOTED OTHERWISE. ALL WELDED WIRE FABRIC (W.W.F.) SHALL BE ASTM A82 AND A185 COLD DRAWN STEEL WIRE. W.W.F. SHALL BE DELIVERED TO THE JOB SITE IN FLAT SHEETS (NO ROLLS). PLACE SHEETS ON BOLSTERS AT 36" MAXIMUM TO LOCATE IN UPPER THIRD OF SLAB. LAP CONTINUOUS REINFORCING BARS 36 BAR DIAMETERS UNLESS NOTED OTHERWISE. PROVIDE CORNER BARS IN ALL WALLS AND FOOTINGS. BAR SUPPORTS, DESIGN, DETAILING, FABRICATION, AND PLACING OF REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE ACI CODE AND DETAILING MANUAL AND CRSI'S "MANUAL OF STANDARD PRACTICE".
6. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT SHALL BE:
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.....3"
CONCRETE EXPOSED TO EARTH OR WEATHER:
#6 THROUGH #18 BARS.....2"
#5 AND SMALLER.....2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:
SLABS, WALLS AND JOISTS:
#11 AND SMALLER.....2"
BEAMS AND COLUMNS:
PRIMARY REINFORCEMENT, TIES, STIRRUPS AND SPIRALS.....2"
7. MINIMUM SPLICE & EMBEDMENT LENGTHS
- MIN EMBEDMENT, (IN)

MIN LAP (IN)

STRAIGHT OTHER-TOP

STD HOOK OTHER-TOP

BAR SIZE

12 - 14

12 - 14

6

#3

15 - 19

15 - 19

7

#4

18 - 24

18 - 23

9

#5

22 - 28

22 - 28

10

#6

25 - 33

25 - 33

12

#7

29 - 37

29 - 37

14

#8
8. ANCHOR RODS FOR COLUMNS SHALL BE POSITIONED WITH A TEMPLATE PRIOR TO PLACING CONCRETE IN PIER OR FOOTINGS. NUTS SHALL BE TIGHTENED ON EACH SIDE OF THE TEMPLATE TO HOLD THE ANCHOR BOLTS IN PLACE.
9. CONCRETE DESIGN AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH THE "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" (CODE REFERENCED ACI 318) AND WITH "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT" (ACI 315-92). CONCRETE PLACED DURING HOT WEATHER AND COLD WEATHER SHALL MEET THE RECOMMENDATIONS OF ACI/PCA/TCA. CONCRETE SHALL BE SAMPLED AND TESTED BY AN INDEPENDENT TESTING AGENCY IN ACCORDANCE WITH ACI 318.
10. CONCRETE MIXES SHALL BE DESIGNED IN ACCORDANCE WITH ACI 301. WATER SHALL NOT BE ADDED TO THE CONCRETE MIX AT THE JOB SITE WITHOUT THE PRIOR WRITTEN PERMISSION OF THE STRUCTURAL ENGINEER.
11. UNLESS OTHERWISE SHOWN ON ARCHITECTURAL DRAWINGS, PROVIDE 3/4" CHAMFER AT ALL COLUMN, WALL SLAB AND BEAM EDGES THAT ARE EXPOSED TO VIEW IN THE FINAL STRUCTURE.

12. SLAB ON GRADE SHALL HAVE AN OVERALL FLOOR FLATNESS (FF) OF 25 WITH A MINIMUM LOCAL VALUE OF 17 AND AN OVERALL FLOOR LEVELNESS (FL) OF 20 WITH A MINIMUM LOCAL VALUE OF 15.

STRUCTURAL STEEL:

1. STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH AISC 360.
- ALL W-SHAPE STRUCTURAL STEEL

ASTM A992
- ALL OTHER STRUCTURAL SHAPES

ASTM A-36
- BOLTS (3/4" DIAMETER MIN.)

ASTM A325 HIGH STRENGTH
2. DESIGN, DETAILING, FABRICATION AND ERECTION SHALL BE IN ACCORDANCE WITH THE AISC CODE AND DETAILING MANUAL. NO STRUCTURAL MEMBERS SHALL BE SPLICED EXCEPT AS SHOWN ON APPROVED SHOP DRAWINGS.
3. FABRICATOR IS SOLELY RESPONSIBLE FOR THE DESIGN OF THE CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS. REVIEW OF STRUCTURAL STEEL CONNECTIONS BY K2M DESIGN IS FOR GENERAL DESIGN INTENT ONLY. FOR THE PURPOSE OF CONNECTION DESIGN, THE FABRICATOR SHALL RETAIN A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF THE PROJECT. THE ENGINEER SHALL SEAL, SIGN AND SUBMIT DESIGN CALCULATIONS FOR ALL NON-STANDARD AND LATERAL RESISTING CONNECTION DESIGNS. A NOTE SHOULD ACCOMPANY THE SEAL STATING THAT THE SEAL IS FOR "CONNECTION DESIGN ONLY" AND DOES NOT INCLUDE RESPONSIBILITY FOR MEMBER OR BUILDING DESIGN, DIMENSIONS, FITUP, ERECTION AND ETC. GENERALLY CONNECTIONS SHOWN ON THE STRUCTURAL DRAWINGS ARE SCHEMATIC AND ARE INTENDED TO SHOW THE RELATIONSHIP OF THE MEMBERS. CONNECTIONS SHALL BE DESIGNED FOR REACTIONS SHOWN ON CONTRACT STRUCTURAL DRAWINGS, IF REACTIONS ARE NOT SHOWN ON CONTRACT STRUCTURAL DRAWINGS, DESIGN FOR ONE HALF (1/2) THE ALLOWABLE LOAD ON THE MEMBER, USING THE AISC "ALLOWABLE UNIFORM LOAD TABLES" WITH GIVEN BEAM SPAN, OR A MINIMUM OF 10 KIPS, WHICHEVER IS GREATEST. MEMBER FORCES AND REACTIONS HAVE BEEN REDUCED IN CONFORMANCE TO CODE PROVISIONS RELATED TO COMBINATIONS OF LOADINGS THAT INCLUDE WIND AND SEISMIC FORCES. NO FURTHER REDUCTIONS IN FORCES OR INCREASED IN ALLOWABLE STRESSES IS PERMITTED. CONNECTIONS MAY BE BOLTED OR WELDED UNLESS NOTED OTHERWISE.
4. FABRICATOR SHALL BE AISC CERTIFIED, OR A COMPANY SPECIALIZING IN PROJECTS OF THIS NATURE WITH A MINIMUM OF 5 YEARS OF EXPERIENCE.
5. ALL SHOP AND FIELD WELDING SHALL BE BY A CERTIFIED WELDER AND SHALL CONFORM TO AWS STANDARDS (LATEST EDITION). FIELD FILLET WELDS GREATER THAN 1/4" THICKNESS SHALL BE INSPECTED BY AN INDEPENDENT TESTING AGENCY.
6. HOLES SHALL NOT BE CUT THROUGH BEAMS UNLESS INDICATED OR APPROVED BY THE ENGINEER.
7. PRIME STRUCTURAL AND MISC. STEEL WITH MANUFACTURES STANDARD IRON OXIDE PRIMER COLOR GRAY. PRIMER SHALL BE COMPATIBLE WITH FINISH COAT OF PAINT WHEN PROVIDED.
8. SEE ARCHITECTURAL DRAWINGS FOR MISCELLANEOUS STEEL NOT SHOWN ON STRUCTURAL DRAWINGS.
9. HOT-DIPPED GALVANIZE G90 MINIMUM OR CORROSION RESISTANCE PAINT ALL EXTERIOR EXPOSED STRUCTURAL STEEL. SEE ARCHITECTURAL DRAWINGS.

POST-INSTALLED ANCHORS:

1. POST-INSTALLED ANCHORS SHALL ONLY BE USED WHERE SPECIFIED ON THE CONTRACT DOCUMENTS. CONTRACTOR SHALL OBTAIN APPROVAL FROM STRUCTURAL ENGINEER OF RECORD PRIOR TO USING POST-INSTALLED ANCHORS FOR MISSING OR MISPLACED CAST-IN-PLACE ANCHORS. CARE SHALL BE GIVEN TO AVOID CONFLICTS WITH EXISTING STEEL REINFORCING. HOLES SHALL BE DRILLED AND CLEANED AS PER MANUFACTURER'S RECOMMENDATIONS. ANCHORS SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS. CONTRACTOR INSTALLING ADHESIVE ANCHORS SHALL BE TRAINED BY THE MANUFACTURER'S REPRESENTATIVE. THIS TRAINING SHALL INCLUDE HOLE DRILLING, CLEANING AND INSTALLATION METHODS FOR CONSTRUCTION CONDITIONS ON THIS PROJECT.

*CONCRETE ANCHORS SEISMIC DESIGN CATEGORY A, B, C, D, E, AND F:

- 1) EXPANSION ANCHORS - "STRONG-BOLT 2" OR "STRONG-BOLT" BY SIMPSON STRONG-TIE, "KWIK BOLT TZ" BY HILTI OR EQUIVALENT, "POWER STUD+ SD1" BY POWERS FASTENERS - UNLESS NOTED OTHERWISE.
- 2) CONCRETE ADHESIVE ANCHORS - "SET-XP EPOXY-TIE" BY SIMPSON STRONG-TIE, "HIT-RE 500-SD" OR "HIT-HY 200 MAX-SD" BY HILTI OR EQUIVALENT - UNLESS NOTED OTHERWISE.
- 3) SCREW ANCHORS - "TITEN HD" BY SIMPSON STRONG-TL, "KWIK HUS-EZ" BY HILTI OR EQUIVALENT.
- 4) SLEEVE ANCHORS - "HSL-3" BY HILTI OR EQUIVALENT.

*MASONRY ANCHORS:

- 1) EXPANSION ANCHORS - "WEDGE-ALL" BY SIMPSON STRONG-TIE, "KWIK BOLT 3" BY HILTI OR EQUIVALENT -UNLESS NOTED OTHERWISE.
- 2) ADHESIVE ANCHORS (GROUT FILLED) - "SET EPOXY-TIE" BY SIMPSON STRONG-TIE, "HIT-HY 150 MAX" BY HILTI OR EQUIVALENT - UNLESS NOTED OTHERWISE.
- 3) ADHESIVE ANCHORS (HOLLOW CMU OR BRICK) - "SET EPOXY-TIE" BY SIMPSON STRONG-TIE, "HIT-HY 70" BY HILTI OR EQUIVALENT - UNLESS NOTED OTHERWISE.
- 4) SCREW ANCHORS - "TITEN HD" BY SIMPSON STRONG-TIE, "HUS-H" BY HILTI OR EQUIVALENT.
- 5) SLEEVE ANCHORS - "SLEEVE-ALL" BY SIMPSON STRONG-TIE, "HLC" BY HILTI OR EQUIVALENT.

WOOD FRAMING:

1. DETAIL, FABRICATE, AND ERECT STRUCTURAL WOOD IN ACCORDANCE WITH THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTION AS REFERENCED IN THE APPLICABLE BUILDING CODE, THE PROJECT SPECIFICATIONS, AND THESE DRAWINGS.
2. STRUCTURAL LUMBER SHALL BE SOUTHERN YELLOW PINE NO. 2 OR PRE-APPROVED EQUAL. ROOF SHEATHING TO BE GLUED (PL400) AND FASTENED TO FRAMING LUMBER.
3. MAXIMUM MOISTURE CONTENT FOR ALL STRUCTURAL MEMBERS SHALL NOT EXCEED 19%.
4. ALL TIMBER CONNECTORS SHALL BE SIMPSON "STRONG-TIE" (OR EQUIVALENT - SUBMIT FOR APPROVAL). CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS REQUIREMENTS. ANY CONNECTOR TO PRESSURE TREATED WOOD IS TO BE OF STAINLESS STEEL OR "ZMAX" FINISH. G60 GALVANIZED CONNECTORS ARE NOT PERMITTED WITH PT WOOD. G90 GALVANIZED CONNECTORS ARE ONLY ALLOWED WITH DOT TREATED WOOD.
5. ALL FASTENERS WILL BE CORROSION RESISTANT ACCORDING TO ASTM A641 EXCEPT NAILS WHICH WILL CONFORM TO ASTM F1667. WOOD SCREWS TO BE TO ANSI B18.6.1 AND ALL CLIPS TO ASTM 167, TYPE 304. ANY TYPE OF WIRE STAPLE IS NOT ALLOWED.
6. HOLES IN FRAMING (JOISTS AND WALL STUDS) SHALL NOT EXCEED 1/3 TO DEPTH OF THE MATERIAL AND LOCATED IN THE MIDDLE THIRD. HOLES SHALL BE AT LEAST 2" APART. NOTCHES IN FRAMING LUMBER SHALL NOT EXCEED 1/6 OF THE DEPTH NOR LONGER THAN 1/3 OF THE DEPTH AND SHALL NEVER BE LOCATED IN THE MIDDLE THIRD OF FRAMING MEMBERS. NOTCHES AT THE END OF FRAMING MEMBERS SHALL NOT EXCEED 1/4 THE DEPTH.
7. FRAMING LUMBER FRAMING SHALL BEAR A MINIMUM OF 1 1/2" AND HAVE SOLID BLOCKING BETWEEN FRAMING.
8. PROVIDE SOLID BLOCKING IN ROOF FRAMING AS REQUIRED BY CODE.
9. ALL WOOD TO BE PRESSURE-TREATED WITH CHEMICALS TO PROTECT FROM DECAY AND INSECTS. DRY AFTER TREATMENT.
10. ALL METAL CONNECTORS, TIES, AND STRAPS IN CONTACT WITH CONCRETE, MASONRY OR TREATED LUMBER SHALL BE G185 HOT DIPPED GALVANIZED.
11. AT BEARING ENDS OF WOOD BEAMS, PROVIDE WOOD POST WITH ONE STUD FOR EACH NOMINAL TWO INCHES OF BEAM THICKNESS.

COLD FORMED (LIGHT GAGE) METAL FRAMING:

1. COMPONENTS SHOWN ON THE DRAWINGS ARE FOR GENERAL CONFIGURATION ONLY. THE CONTRACTOR IS RESPONSIBLE FOR ALL DIMENSIONS, ELEVATIONS, CONNECTION DETAILS, QUANTITIES, ETC. NECESSARY FOR THE COMPLETE DESIGN, FABRICATION, AND ERECTION OF THE METAL FRAMING SYSTEM. CONTRACTOR TO COORDINATE THE DESIGN WITH THE ARCHITECTURAL PLANS, ELEVATIONS, AND DETAILS.
2. DESIGN LIGHT GAUGE FRAMING MEMBERS IN ACCORDANCE WITH THE AMERICAN IRON AND STEEL INSTITUTE (AISI) SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS.
3. ALL COLD FORMED LIGHT GAGE FRAMING SHALL BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF THE PROJECT. CALCULATIONS AND DRAWINGS USED IN THIS DESIGN MUST BE SIGNED AND STAMPED BY A PROFESSIONAL ENGINEER AND SUBMITTED TO THE OWNER FOR APPROVAL. IN ADDITION TO THE CALCULATIONS, THE SUBMITTAL TO INCLUDE DETAILS OF CONNECTIONS, ATTACHMENTS, ERECTION PLAN, LAYOUT, OUTRIGGERS, HEADERS, BRIDGING, AND BOTH TEMPORARY AND PERMANENT BRACING.
4. CONTINUOUS CR RUNNERS SHALL BE OF THE SAME GAUGE (OR HEAVIER) AS THAT OF THE FRAMING MEMBER BEING CONNECTED U.N.O.
5. ALL LOAD-BEARING AND EXTERIOR WALLS CONSTRUCTED OF METAL STUDS SHALL BE SHEATHED WITH EXTERIOR SHEATHING IS TO BE ATTACHED TO METAL STUDS. SHEATHING IS TO BE ATTACHED TO METAL STUDS, BLOCKING, TOP AND BOTTOM TRACKS WITH #8 X 1 INCH BUGLE HEAD SCREWS AT 6" ON CENTER ALONG SHEATHING EDGES AND 12" ON CENTER AT INTERMEDIATE STUDS (BOTH FACES OF WALL). ALL SCREWS SHALL BE HOT-DIPPED GALVANIZED, ALL TOP AND BOTTOM TRACKS SHALL BE 14 GAGE AS A MINIMUM.

PRE-MANUFACTURED CANOPIES AND AWNINGS:

1. THE DESIGN, CONNECTION AND ALL ATTACHMENTS OF ALL CANOPIES AND AWNINGS SHALL BE THE RESPONSIBILITY OF THE CANOPY/AWNING SUPPLIER. THE GENERAL CONTRACTOR SHALL COORDINATE ALL ATTACHMENT REQUIREMENTS AND PROVIDE ADDITIONAL STUDS, BLOCKING ETC. AS REQUIRED.

RENOVATION AND EXISTING STRUCTURES:

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, ETC., NECESSARY FOR THE PROPER CONSTRUCTION AND ALIGNMENT OF THE NEW PORTIONS OF THE STRUCTURE TO THE EXISTING STRUCTURE. THE CONTRACTOR SHALL VERIFY ALL MEASUREMENTS NECESSARY FOR PROPER FABRICATION AND ERECTION OF ALL STRUCTURAL MEMBERS.
2. BEFORE PROCEEDING WITH ANY WORK WITHIN OR ADJACENT TO THE EXISTING STRUCTURE, THE CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS. DURING THE PROCESS OF CONSTRUCTION, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THE INTEGRITY OF THE EXISTING STRUCTURE WHERE THE EXISTING STRUCTURE IS MODIFIED TO ACCOMMODATE NEW CONSTRUCTION AND TO PROTECT FROM DAMAGE THOSE PORTIONS OF THE EXISTING STRUCTURE, WHICH ARE TO REMAIN.
3. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY EXISTING CONDITIONS THAT DIFFER FROM THOSE INDICATED ON THE DRAWINGS.

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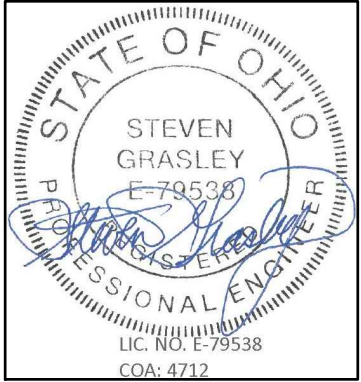
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COURTYARD MARRIOTT - EXTERIOR

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GENERAL NOTES

Sheet Number:

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SECTION 05 1200
SECTION 03 3000
CAST-IN-PLACE CONCRETE

PART 1 GENERAL

1.01 SECTION INCLUDES

A. FOUNDATIONS AND SLABS ON GRADE.

B. CONCRETE REINFORCEMENT.

C. CONCRETE CURING.

1.03 REFERENCE STANDARDS

A. ACI 117 – SPECIFICATIONS FOR TOLERANCES FOR CONCRETE CONSTRUCTION AND MATERIALS; 2010 (REAPPROVED 2015).

B. ACI 301 – SPECIFICATIONS FOR STRUCTURAL CONCRETE; 2016.

C. ACI 302.1R – GUIDE TO CONCRETE FLOOR AND SLAB CONSTRUCTION; 2015.

D. ACI 304R – GUIDE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING CONCRETE; 2000 (REAPPROVED 2009).

E. ACI 305R – GUIDE TO HOT WEATHER CONCRETING; 2010.

F. ACI 306R – GUIDE TO COLD WEATHER CONCRETING; 2016.

G. ACI 308R – GUIDE TO EXTERNAL CURING OF CONCRETE; 2016.

H. ACI 318 – BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE AND COMMENTARY; 2014 (ERRATA 2018).

I. ACI 347R – GUIDE TO FORMWORK FOR CONCRETE; 2014, WITH ERRATA (2017).

J. ASTM A615/A615M – STANDARD SPECIFICATION FOR DEFORMED AND PLAIN CARBON-STEEL BARS FOR CONCRETE REINFORCEMENT; 2018.

K. ASTM A1064/A1064M – STANDARD SPECIFICATION FOR CARBON-STEEL WIRE AND WELDED WIRE REINFORCEMENT, PLAIN AND DEFORMED, FOR CONCRETE; 2018A.

L. ASTM C33/C33M – STANDARD SPECIFICATION FOR CONCRETE AGGREGATES; 2018.

M. ASTM C39/C39M – STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS; 2018.

N. ASTM C94/C94M – STANDARD SPECIFICATION FOR READY-MIXED CONCRETE; 2018.

O. ASTM C143/C143M – STANDARD TEST METHOD FOR SLUMP OF HYDRAULIC-CEMENT CONCRETE; 2015A.

P. ASTM C150/C150M – STANDARD SPECIFICATION FOR PORTLAND CEMENT; 2018.

Q. ASTM C171 – STANDARD SPECIFICATION FOR SHEET MATERIALS FOR CURING CONCRETE; 2016.

R. ASTM C260/C260M – STANDARD SPECIFICATION FOR AIR-ENTRAINING ADMIXTURES FOR CONCRETE; 2010A (REAPPROVED 2016).

S. ASTM C494/C494M – STANDARD SPECIFICATION FOR CHEMICAL ADMIXTURES FOR CONCRETE; 2017.

T. ASTM D994/D994M – STANDARD SPECIFICATION FOR PREFORMED EXPANSION JOINT FILLER FOR CONCRETE (BITUMINOUS TYPE); 2011 (REAPPROVED 2016).

U. ASTM E154/E154M – STANDARD TEST METHODS FOR WATER VAPOR RETARDERS USED IN CONTACT WITH EARTH UNDER CONCRETE SLABS, ON WALLS, OR AS GROUND COVER; 2008A, WITH EDITORIAL REVISION (2013).

V. ASTM E1155 – STANDARD TEST METHOD FOR DETERMINING F(F) FLOOR FLATNESS AND F(L) FLOOR LEVELNESS NUMBERS; 2014.

W. ASTM E1155M – STANDARD TEST METHOD FOR DETERMINING F(F) FLOOR FLATNESS AND F(L) FLOOR LEVELNESS NUMBERS (METRIC); 2014.

X. ASTM E1643 – STANDARD PRACTICE FOR SELECTION, DESIGN, INSTALLATION AND INSPECTION OF WATER VAPOR RETARDERS USED IN CONTACT WITH EARTH OR GRANULAR FILL UNDER CONCRETE SLABS; 2011 (REAPPROVED 2017).

Y. ASTM E1745 – STANDARD SPECIFICATION FOR PLASTIC WATER VAPOR RETARDERS USED IN CONTACT WITH SOIL OR GRANULAR FILL UNDER CONCRETE SLABS; 2017.

Z. COE CRD-C 513 – COE SPECIFICATIONS FOR RUBBER WATERSTOPS; 1974.

AA. COE CRD-C 572 – CORPS OF ENGINEERS SPECIFICATIONS FOR POLYVINYLCHLORIDE WATERSTOP; 1974.

1.04 SUBMITTALS

A. SEE SECTION 01 3000 – ADMINISTRATIVE REQUIREMENTS, FOR SUBMITTAL PROCEDURES.

B. PRODUCT CUTS: SUBMIT MANUFACTURERS' DATA ON MANUFACTURED PRODUCTS SHOWING COMPLIANCE WITH SPECIFIED REQUIREMENTS AND INSTALLATION INSTRUCTIONS.

C. MIX DESIGN: SUBMIT PROPOSED CONCRETE MIX DESIGN.

1. INDICATE PROPOSED MIX DESIGN COMPLIES WITH REQUIREMENTS OF ACI 301, SECTION 4 – CONCRETE MIXTURES.

2. INDICATE PROPOSED MIX DESIGN COMPLIES WITH REQUIREMENTS OF ACI 318, CHAPTER 5 – CONCRETE QUALITY, MIXING AND PLACING.

1.05 QUALITY ASSURANCE

D. PERFORM WORK OF THIS SECTION IN ACCORDANCE WITH ACI 301 AND ACI 318.

E. FOLLOW RECOMMENDATIONS OF ACI 305R WHEN CONCRETING DURING HOT WEATHER.

F. FOLLOW RECOMMENDATIONS OF ACI 306R WHEN CONCRETING DURING COLD WEATHER.

PART 2 PRODUCTS

2.01 FORMWORK

A. FORM MATERIALS: CONTRACTOR'S CHOICE OF STANDARD PRODUCTS WITH SUFFICIENT STRENGTH TO WITHSTAND HYDROSTATIC HEAD WITHOUT DISTORTION IN EXCESS OF PERMITTED TOLERANCES.

1. FORM FACING FOR EXPOSED FINISH CONCRETE: CONTRACTOR'S CHOICE OF MATERIALS THAT WILL PROVIDE SMOOTH, STAIN-FREE FINISH APPEARANCE.

2. EARTH CUTS: DO NOT USE EARTH CUTS AS FORMS FOR VERTICAL SURFACES. NATURAL ROCK FORMATIONS THAT MAINTAIN A STABLE VERTICAL EDGE MAY BE USED AS SIDE FORMS.

3. FORM COATINGS: RELEASE AGENT THAT WILL NOT ADVERSELY AFFECT CONCRETE OR INTERFERE WITH APPLICATION OF COATINGS.

4. FORM TIES: CONE SNAP TYPE THAT WILL LEAVE NO METAL WITHIN 1-1/2 INCHES (38 MM) OF CONCRETE SURFACE.

2.02 REINFORCEMENT MATERIALS

A. REINFORCING STEEL: ASTM A615/A615M, GRADE 60 (60,000 PSI) (420 MPA).

1. TYPE: DEFORMED BILLET-STEEL BARS.

2. FINISH: UNFINISHED.

B. STEEL WELDED WIRE REINFORCEMENT (WWR): GALVANIZED, PLAIN TYPE, ASTM A1064/A1064M.

1. FORM: FLAT SHEETS.

2. WWR STYLE: AS INDICATED ON DRAWINGS.

C. REINFORCEMENT ACCESSORIES:

1. TIE WIRE: ANNEALED, MINIMUM 16 GAGE, 0.0508 INCH (1.29 MM).

2. CHAIRS, BOLSTERS, BAR SUPPORTS, SPACERS: SIZED AND SHAPED FOR ADEQUATE SUPPORT OF REINFORCEMENT DURING CONCRETE PLACEMENT.

2.03 CONCRETE MATERIALS

A. CEMENT: ASTM C150/C150M, TYPE I – NORMAL PORTLAND TYPE.

B. FINE AND COARSE AGGREGATES: ASTM C33/C33M.

C. FLY ASH: ASTM C618, CLASS C OR F.

D. CALCINED POZZOLAN: ASTM C618, CLASS N.

E. SILICA FUME: ASTM C1240, PROPORTIONED IN ACCORDANCE WITH ACI 211.1.

F. WATER: ASTM C1602/C1602M; CLEAN, POTABLE, AND NOT DETRIMENTAL TO CONCRETE.

2.04 ADMIXTURES

A. DO NOT USE CHEMICALS THAT WILL RESULT IN SOLUBLE CHLORIDE IONS IN EXCESS OF 0.1 PERCENT BY WEIGHT OF CEMENT.

B. AIR ENTRAINMENT ADMIXTURE: ASTM C260/C260M.

C. HIGH RANGE WATER REDUCING AND RETARDING ADMIXTURE: ASTM C494/C494M TYPE G.

2.05 CURING MATERIALS

A. CURING COMPOUND, NATURALLY DISSIPATING: CLEAR, WATER-BASED, LIQUID MEMBRANE-FORMING COMPOUND; COMPLYING WITH ASTM C309.

B. CURING AGENT, WATER-CURE EQUIVALENT TYPE: CLEAR, WATER-BASED, NON-FILM-FORMING, LIQUID-WATER CURE REPLACEMENT AGENT.

C. CURING AND SEALING COMPOUND, MOISTURE EMISSION REDUCING, MEMBRANE-FORMING: LIQUID, MEMBRANE-FORMING, CLEAR SEALER, FOR APPLICATION TO NEWLY-PLACED CONCRETE; CAPABLE OF PROVIDING ADEQUATE BOND FOR FLOORING ADHESIVES, INITIALLY AND OVER THE LONG TERM; WITH SUFFICIENT MOISTURE VAPOR IMPERMEABILITY TO PREVENT DETERIORATION OF FLOORING ADHESIVES DUE TO MOISTURE EMISSION.

E. POLYETHYLENE FILM: ASTM D2103, 4 MIL, 0.004 INCH (0.102 MM) THICK, CLEAR.

F. WATER: POTABLE, NOT DETRIMENTAL TO CONCRETE.

2.08 CONCRETE MIX DESIGN

A. PROPORTIONING NORMAL WEIGHT CONCRETE: COMPLY WITH ACI 211.1 RECOMMENDATIONS.

B. CONCRETE STRENGTH: ESTABLISH REQUIRED AVERAGE STRENGTH FOR EACH TYPE OF CONCRETE ON THE BASIS OF FIELD EXPERIENCE OR TRIAL MIXTURES, AS SPECIFIED IN ACI 301.

C. NORMAL WEIGHT CONCRETE:

1. COMPRESSIVE STRENGTH, WHEN TESTED IN ACCORDANCE WITH ASTM C39/C39M AT 28 DAYS: 4,000 POUNDS PER SQUARE INCH (27.6 MPA).

2. FLY ASH CONTENT: MAXIMUM 15 PERCENT OF CEMENTITIOUS MATERIALS BY WEIGHT.

3. CALCINED POZZOLAN CONTENT: MAXIMUM 10 PERCENT OF CEMENTITIOUS MATERIALS BY WEIGHT.

4. WATER-CEMENT RATIO: MAXIMUM 40 PERCENT BY WEIGHT.

5. TOTAL AIR CONTENT: 4 PERCENT, DETERMINED IN ACCORDANCE WITH ASTM C173/C173M.

6. MAXIMUM SLUMP: 3 INCHES (75 MM).

7. MAXIMUM AGGREGATE SIZE: 5/8 INCH (16 MM).

2.09 MIXING

A. ADDING WATER: IF CONCRETE ARRIVES ON-SITE WITH SLUMP LESS THAN SUITABLE FOR PLACEMENT, DO NOT ADD WATER THAT EXCEEDS THE MAXIMUM WATER-CEMENT RATIO OR EXCEEDS THE MAXIMUM PERMISSIBLE SLUMP.

PART 3 EXECUTION

3.01 INSTALLING REINFORCEMENT AND OTHER EMBEDDED ITEMS

A. COMPLY WITH REQUIREMENTS OF ACI 301. CLEAN REINFORCEMENT OF LOOSE RUST AND MILL SCALE, AND ACCURATELY POSITION, SUPPORT, AND SECURE IN PLACE TO ACHIEVE NOT LESS THAN MINIMUM CONCRETE COVERAGE REQUIRED FOR PROTECTION.

B. INSTALL WELDED WIRE REINFORCEMENT IN MAXIMUM POSSIBLE LENGTHS, AND OFFSET END LAPS IN BOTH DIRECTIONS. SPLICE LAPS WITH TIE WIRE.

3.02 PLACING CONCRETE

A. PLACE CONCRETE IN ACCORDANCE WITH ACI 304R.

B. PLACE CONCRETE FOR FLOOR SLABS IN ACCORDANCE WITH ACI 302.1R.

C. FINISH FLOORS LEVEL AND FLAT, UNLESS OTHERWISE INDICATED, WITHIN THE TOLERANCES SPECIFIED BELOW.

3.03 FLOOR FLATNESS AND LEVELNESS TOLERANCES

A. MAXIMUM VARIATION OF SURFACE FLATNESS:

1. EXPOSED CONCRETE FLOORS: 1/4 INCH (6 MM) IN 10 FEET (3 M).

2. UNDER SEAMLESS RESILIENT FLOORING: 1/4 INCH (6 MM) IN 10 FEET (3 M).

3. UNDER CARPETING: 1/4 INCH (6 MM) IN 10 FEET (3 M).

3.05 CONCRETE FINISHING

B. REPAIR SURFACE DEFECTS, INCLUDING TIE HOLES, IMMEDIATELY AFTER REMOVING FORMWORK.

C. UNEXPOSED FORM FINISH: RUB DOWN OR CHIP OFF FINS OR OTHER RAISED AREAS 1/4 INCH (6 MM) OR MORE IN HEIGHT.

D. EXPOSED FORM FINISH: RUB DOWN OR CHIP OFF AND SMOOTH FINS OR OTHER RAISED AREAS 1/4 INCH (6 MM) OR MORE IN HEIGHT. PROVIDE FINISH AS FOLLOWS:

1. SMOOTH RUBBED FINISH: WET CONCRETE AND RUB WITH CARBORUNDUM BRICK OR OTHER ABRASIVE, NOT MORE THAN 24 HOURS AFTER FORM REMOVAL.

2. GROUT CLEANED FINISH: WET AREAS TO BE CLEANED AND APPLY GROUT MIXTURE BY BRUSH OR SPRAY; SCRUB IMMEDIATELY TO REMOVE EXCESS GROUT. AFTER DRYING, RUB VIGOROUSLY WITH CLEAN BURLAP, AND KEEP MOIST FOR 36 HOURS.

3. CORK FLOATED FINISH: IMMEDIATELY AFTER FORM REMOVAL, APPLY GROUT WITH TROWEL OR FIRM RUBBER FLOAT; COMPRESS GROUT WITH LOW-SPEED GRINDER, AND APPLY FINAL TEXTURE WITH CORK FLOAT.

E. CONCRETE SLABS: FINISH TO REQUIREMENTS OF ACI 302.1R, AND AS FOLLOWS:

1. SURFACES TO RECEIVE THICK FLOOR COVERINGS: "WOOD FLOAT" AS DESCRIBED IN ACI 302.1R; THICK FLOOR COVERINGS INCLUDE QUARRY TILE, CERAMIC TILE, AND PORTLAND CEMENT TERRAZZO WITH FULL BED SETTING SYSTEM.

2. SURFACES TO RECEIVE THIN FLOOR COVERINGS: "STEEL TROWEL" AS DESCRIBED IN ACI 302.1R; THIN FLOOR COVERINGS INCLUDE CARPETING, RESILIENT FLOORING, SEAMLESS FLOORING, RESINOUS MATRIX TERRAZZO, THIN SET QUARRY TILE, AND THIN SET CERAMIC TILE.

3. OTHER SURFACES TO BE LEFT EXPOSED: TROWEL AS DESCRIBED IN ACI 302.1R, MINIMIZING BURNISH MARKS AND OTHER APPEARANCE DEFECTS.

3.06 CURING AND PROTECTION

A. COMPLY WITH REQUIREMENTS OF ACI 308R. IMMEDIATELY AFTER PLACEMENT, PROTECT CONCRETE FROM PREMATURE DRYING, EXCESSIVELY HOT OR COLD TEMPERATURES, AND MECHANICAL INJURY.

B. MAINTAIN CONCRETE WITH MINIMAL MOISTURE LOSS AT RELATIVELY CONSTANT TEMPERATURE FOR PERIOD NECESSARY FOR HYDRATION OF CEMENT AND HARDENING OF CONCRETE.

C. SURFACES TO BE IN CONTACT WITH FORMS:

1. INITIAL CURING: START AS SOON AS FREE WATER HAS DISAPPEARED AND BEFORE SURFACE IS DRY. KEEP CONTINUOUSLY MOIST FOR NOT LESS THAN THREE DAYS BY WATER PONDING, WATER-SATURATED SAND, WATER-FOG SPRAY, OR SATURATED BURLAP.

2. FINAL CURING: BEGIN AFTER INITIAL CURING BUT BEFORE SURFACE IS DRY.

3.07 FIELD QUALITY CONTROL

A. AN INDEPENDENT TESTING AGENCY WILL PERFORM FIELD QUALITY CONTROL TESTS, AS SPECIFIED IN SECTION 01 4000 – QUALITY REQUIREMENTS.

B. SUBMIT PROPOSED MIX DESIGN OF EACH CLASS OF CONCRETE TO INSPECTION AND TESTING FIRM FOR REVIEW PRIOR TO COMMENCEMENT OF CONCRETE OPERATIONS.

3.08 DEFECTIVE CONCRETE

A. REPAIR OR REPLACEMENT OF DEFECTIVE CONCRETE WILL BE DETERMINED BY THE ARCHITECT. THE COST OF ADDITIONAL TESTING SHALL BE BORNE BY CONTRACTOR WHEN DEFECTIVE CONCRETE IS IDENTIFIED.

END OF SECTION

STRUCTURAL STEEL FRAMING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. STRUCTURAL STEEL FRAMING MEMBERS, SUPPORT MEMBERS.

B. BASE PLATES, SHEAR STUD CONNECTORS.

C. GROUTING UNDER BASE PLATES.

1.02 REFERENCE STANDARDS

A. AISC (MAN) – STEEL CONSTRUCTION MANUAL; AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.; 2011.

B. AISC S303 – CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES; AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.; 2010.

C. ASTM A36/A36M – STANDARD SPECIFICATION FOR CARBON STRUCTURAL STEEL; 2014.

D. ASTM A53/A53M – STANDARD SPECIFICATION FOR PIPE, STEEL, BLACK AND HOT-DIPPED, ZINC-COATED, WELDED AND SEAMLESS; 2012.

E. ASTM A123/A123M – STANDARD SPECIFICATION FOR ZINC (HOT-DIP GALVANIZED) COATINGS ON IRON AND STEEL PRODUCTS; 2015.

F. ASTM A307 – STANDARD SPECIFICATION FOR CARBON STEEL BOLTS, STUDS, AND THREADED ROD 60 000 PSI TENSILE STRENGTH; 2014.

G. ASTM A325 – STANDARD SPECIFICATION FOR STRUCTURAL BOLTS, STEEL, HEAT TREATED, 120/105 KSI MINIMUM TENSILE STRENGTH; 2014.

H. ASTM A325M – STANDARD SPECIFICATION FOR STRUCTURAL BOLTS, STEEL, HEAT TREATED 830 MPA MINIMUM TENSILE STRENGTH (METRIC); 2014.

I. ASTM A500/A500M – STANDARD SPECIFICATION FOR COLD-FORMED WELDED AND SEAMLESS CARBON STEEL STRUCTURAL TUBING IN ROUNDS AND SHAPES; 2013.

J. ASTM C1107/C1107M – STANDARD SPECIFICATION FOR PACKAGED DRY, HYDRAULIC-CEMENT GROUT (NONSHRINK); 2014.

K. ASTM E94 – STANDARD GUIDE FOR RADIOGRAPHIC EXAMINATION; 2004 (REAPPROVED 2010).

L. ASTM E164 – STANDARD PRACTICE FOR CONTACT ULTRASONIC TESTING OF WELDMENTS; 2013.

M. ASTM E165/E165M – STANDARD TEST METHOD FOR LIQUID PENETRANT EXAMINATION FOR GENERAL INDUSTRY; 2012.

N. ASTM E709 – STANDARD GUIDE FOR MAGNETIC PARTICLE TESTING; 2014.

O. ASTM F436 – STANDARD SPECIFICATION FOR HARDENED STEEL WASHERS; 2011.

P. ASTM F1554 – STANDARD SPECIFICATION FOR ANCHOR BOLTS, STEEL, 36, 55, AND 105-KSI YIELD STRENGTH; 2007A.

Q. AWS A2.4 – STANDARD SYMBOLS FOR WELDING, BRAZING, AND NONDESTRUCTIVE EXAMINATION;

AMERICAN WELDING SOCIETY; 2012.

R. AWS D1.1/D1.1M – STRUCTURAL WELDING CODE – STEEL; AMERICAN WELDING SOCIETY; 2015.

S. SSPC-PAINT 15 – STEEL JOIST SHOP PRIMER/METAL BUILDING PRIMER; SOCIETY FOR PROTECTIVE COATINGS; 1999 (ED. 2004).

T. SSPC-PAINT 20 – ZINC-RICH PRIMERS (TYPE I, "INORGANIC," AND TYPE II, "ORGANIC"); SOCIETY FOR PROTECTIVE COATINGS; 2002 (ED. 2004).

1.03 SUBMITTALS

A. SHOP DRAWINGS:

1. INDICATE PROFILES, SIZES, SPACING, LOCATIONS OF STRUCTURAL MEMBERS, OPENINGS, ATTACHMENTS, AND FASTENERS.

2. CONNECTIONS NOT DETAILED.

3. INDICATE WELDED CONNECTIONS WITH AWS A2.4 WELDING SYMBOLS. INDICATE NET WELD LENGTHS.

B. MANUFACTURER'S MILL CERTIFICATE: CERTIFY THAT PRODUCTS MEET OR EXCEED SPECIFIED REQUIREMENTS.

1.04 QUALITY ASSURANCE

A. FABRICATE STRUCTURAL STEEL MEMBERS IN ACCORDANCE WITH AISC "STEEL CONSTRUCTION MANUAL."

B. MAINTAIN ONE COPY OF EACH DOCUMENT ON SITE.

C. DESIGN CONNECTIONS NOT DETAILED ON THE DRAWINGS UNDER DIRECT SUPERVISION OF A PROFESSIONAL STRUCTURAL ENGINEER EXPERIENCED IN DESIGN OF THIS WORK AND LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED.

PART 2 PRODUCTS

2.01 MATERIALS

A. STEEL ANGLES AND PLATES: ASTM A36/A36M.

B. STEEL W SHAPES AND TEES: ASTM A992/A992M.

C. COLD-FORMED STRUCTURAL TUBING: ASTM A500/A500M, GRADE B.

D. SHEAR STUD CONNECTORS: MADE FROM ASTM A 108 GRADE 1015 BARS.

E. HIGH-STRENGTH STRUCTURAL BOLTS, NUTS, AND WASHERS: ASTM A325 OR ASTM A325M, TYPE 1, MEDIUM CARBON, GALVANIZED, WITH MATCHING COMPATIBLE ASTM A563 OR ASTM A563M NUTS AND ASTM F436 WASHERS.

F. UNHEADED ANCHOR RODS: ASTM F1554, GRADE 36, PLAIN, WITH MATCHING ASTM A563 OR ASTM A563M NUTS AND ASTM F436 TYPE 1 WASHERS.

G. HEADED ANCHOR RODS: ASTM A 307, GRADE C, PLAIN.

H. WELDING MATERIALS: AWS D1.1/D1.1M; TYPE REQUIRED FOR MATERIALS BEING WELDED.

I. GROUT: NON-SHRINK, NON-METALLIC AGGREGATE TYPE, COMPLYING WITH ASTM C1107/C1107M AND CAPABLE OF DEVELOPING A MINIMUM COMPRESSIVE STRENGTH OF 7,000 PSI AT 28 DAYS.

J. SHOP AND TOUCH-UP PRIMER: FABRICATOR'S STANDARD, COMPLYING WITH VOC LIMITATIONS OF AUTHORITIES HAVING JURISDICTION.

2.02 FINISH

A. PREPARE STRUCTURAL COMPONENT SURFACES IN ACCORDANCE WITH SSPC SP2.

B. SHOP PRIME STRUCTURAL STEEL MEMBERS DO NOT PRIME SURFACES THAT WILL BE FIREPROOFED, FIELD WELDED, IN CONTACT WITH CONCRETE, OR HIGH STRENGTH BOLTED.

PART 3 EXECUTION

3.01 ERECTION

A. ERECT STRUCTURAL STEEL IN COMPLIANCE WITH AISC "CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES".

B. ALLOW FOR ERECTION LOADS, AND PROVIDE SUFFICIENT TEMPORARY BRACING TO MAINTAIN STRUCTURE IN SAFE CONDITION, PLUMB, AND IN TRUE ALIGNMENT UNTIL COMPLETION OF ERECTION AND INSTALLATION OF PERMANENT BRACING.

C. DO NOT FIELD CUT OR ALTER STRUCTURAL MEMBERS WITHOUT APPROVAL OF ARCHITECT.

D. GROUT SOLIDLY BETWEEN COLUMN PLATES AND BEARING SURFACES, COMPLYING WITH MANUFACTURER'S INSTRUCTIONS FOR NONSHRINK GROUT. TROWEL GROUTED SURFACES SMOOTH, SPLAYING NEATLY TO 45 DEGREES.

3.02 TOLERANCES

A. MAXIMUM VARIATION FROM PLUMB: 1/4 INCH PER STORY, NON-CUMULATIVE.

3.03 FIELD QUALITY CONTROL

A. WELDED CONNECTIONS: VISUALLY INSPECT ALL FIELD-WELDED CONNECTIONS AND TEST AT LEAST 25 PERCENT OF WELDS USING ONE OF THE FOLLOWING:

1. RADIOGRAPHIC TESTING PERFORMED IN ACCORDANCE WITH ASTM E94.

2. ULTRASONIC TESTING PERFORMED IN ACCORDANCE WITH ASTM E164.

3. LIQUID PENETRANT INSPECTION PERFORMED IN ACCORDANCE WITH ASTM E165/E165M.

4. MAGNETIC PARTICLE INSPECTION PERFORMED IN ACCORDANCE WITH ASTM E709.

END OF SECTION

SECTION 05 4000
COLD-FORMED METAL FRAMING

PART 1 GENERAL

1.01 SECTION INCLUDES

A. FORMED STEEL STUD EXTERIOR WALL AND INTERIOR WALL FRAMING.

1.02 REFERENCE STANDARDS

A. AISI S100-12 – NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS; AMERICAN IRON AND STEEL INSTITUTE; 2012.

B. ASTM A153/A153M – STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE; 2016A.

C. ASTM A653/A653M – STANDARD SPECIFICATION FOR STEEL SHEET, ZINC-COATED (GALVANIZED) OR ZINC-IRON ALLOY-COATED (GALVANNEALED) BY THE HOT-DIP PROCESS; 2015.

D. ASTM C1007 – STANDARD SPECIFICATION FOR INSTALLATION OF LOAD BEARING (TRANSVERSE AND AXIAL) STEEL STUDS AND RELATED ACCESSORIES; 2011A.

E. ASTM C1396/C1396M – STANDARD SPECIFICATION FOR GYPSUM BOARD; 2014.

F. AWS D1.1/D1.1M – STRUCTURAL WELDING CODE – STEEL; AMERICAN WELDING SOCIETY; 2015.

1.03 SUBMITTALS

A. SHOP DRAWINGS: INDICATE COMPONENT DETAILS, FRAMED OPENINGS, BEARING, ANCHORAGE, LOADING, WELDS, AND TYPE AND LOCATION OF FASTENERS, AND ACCESSORIES OR ITEMS REQUIRED OF RELATED WORK.

B. SHOP DRAWINGS/DESIGNS SHALL BE SIGNED AND SEALED BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN THE STATE OF SOUTH CAROLINA.

C. MANUFACTURER'S INSTALLATION INSTRUCTIONS: INDICATE SPECIAL PROCEDURES, CONDITIONS REQUIRING SPECIAL ATTENTION.

PART 2 PRODUCTS

2.01 FRAMING SYSTEM

A. PROVIDE PRIMARY AND SECONDARY FRAMING MEMBERS, BRIDGING, BRACING, PLATES, GUSSETS, CLIPS, FITTINGS, REINFORCEMENT, AND FASTENINGS AS REQUIRED TO PROVIDE A COMPLETE FRAMING SYSTEM.

2.02 FRAMING MATERIALS

A. STUDS AND TRACK: ASTM C955; STUDS FORMED TO CHANNEL, "C," OR "SIGMA" SHAPE WITH PUNCHED WEB; U-SHAPED TRACK IN MATCHING NOMINAL WIDTH AND COMPATIBLE HEIGHT.

1. GAGE AND DEPTH: AS REQUIRED TO MEET SPECIFIED PERFORMANCE LEVELS.

2. GALVANIZED IN ACCORDANCE WITH ASTM A653/A653M, G90/2275 COATING.

2.03 FASTENERS

A. SELF-DRILLING, SELF-TAPPING SCREWS, BOLTS, NUTS AND WASHERS: HOT DIP GALVANIZED PER ASTM A153/A153M.

B. ANCHORAGE DEVICES: POWDER ACTUATED, DRILLED EXPANSION BOLTS, AND SCREWS WITH SLEEVES.

C. WELDING: IN CONFORMANCE WITH AWS D1.1/D1.1M.

PART 3 EXECUTION

3.01 INSTALLATION OF STUDS

A. INSTALL COMPONENTS IN ACCORDANCE WITH MANUFACTURERS' INSTRUCTIONS AND ASTM C1007 REQUIREMENTS.

B. PLACE STUDS AT 16 INCHES ON CENTER; NOT MORE THAN 2 INCHES FROM BUTTING WALLS AND AT EACH SIDE OF OPENINGS. CONNECT STUDS TO TRACKS USING CLIP AND TIE METHOD.

C. CONSTRUCT CORNERS USING MINIMUM OF THREE STUDS. INSTALL DOUBLE STUDS AT WALL OPENINGS, DOOR AND WINDOW JAMBS.

D. PROVIDE DEFLECTION ALLOWANCE IN STUD TRACK, DIRECTLY BELOW HORIZONTAL BUILDING FRAMING AT NON-LOAD BEARING FRAMING.

END OF SECTION

SECTION 06 1000
ROUGH CARPENTRY

PART 1 GENERAL

1.01 SECTION INCLUDES

A. STRUCTURAL DIMENSION LUMBER FRAMING.

B. SHEATHING.

C. PRESERVATIVE TREATED WOOD MATERIALS.

1.02 REFERENCE STANDARDS

A. ANSI A208.1 – AMERICAN NATIONAL STANDARD FOR PARTICLEBOARD; 2009.

B. ASTM A153/A153M – STANDARD SPECIFICATION FOR ZINC COATING (HOT-DIP) ON IRON AND STEEL HARDWARE; 2016A.

C. ASTM C557 – STANDARD SPECIFICATION FOR ADHESIVES FOR FASTENING GYPSUM WALLBOARD TO WOOD FRAMING; 2003 (REAPPROVED 2017).

D. ASTM C1396/C1396M – STANDARD SPECIFICATION FOR GYPSUM BOARD; 2017.

E. ASTM D2898 – STANDARD TEST METHODS FOR ACCELERATED WEATHERING OF FIRE-RETARDANT-TREATED WOOD FOR FIRE TESTING; 2010 (REAPPROVED 2017).

F. ASTM E84 – STANDARD TEST METHOD FOR SURFACE BURNING CHARACTERISTICS OF BUILDING MATERIALS; 2018B.

G. AWPA U1 – USE CATEGORY SYSTEM: USER SPECIFICATION FOR TREATED WOOD; 2017.

H. ICC-ES AC308 – ACCEPTANCE CRITERIA FOR TERMITE PHYSICAL BARRIER SYSTEMS; 2014, WITH EDITORIAL REVISION (2017).

I. PS 1 – STRUCTURAL PLYWOOD; 2009.

J. PS 2 – PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS; 2010.

K. PS 20 – AMERICAN SOFTWOOD LUMBER STANDARD; 2015.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

A. DIMENSION LUMBER: COMPLY WITH PS 20 AND REQUIREMENTS OF SPECIFIED GRADING AGENCIES.

B. GRADING AGENCY: SOUTHERN PINE INSPECTION BUREAU, INC; SPIB (GR).

C. SIZES: NOMINAL SIZES AS INDICATED ON DRAWINGS, S4S.

D. MOISTURE CONTENT: S-DRY OR MC19.

E. STUD FRAMING (2 BY 2 THROUGH 2 BY 6 (50 BY 50 MM THROUGH 50 BY 150 MM)): 1. SPECIES: SOUTHERN PINE.

2. GRADE: NO. 2.

E. JOIST, RAFTER, AND SMALL BEAM FRAMING (2 BY 6 THROUGH 4 BY 16 (50 BY 150 MM THROUGH 100 BY 400 MM)): 1. SPECIES: SOUTHERN PINE.

2. GRADE: NO. 2.

2.03 CONSTRUCTION PANELS

A. ROOF SHEATHING: PARTICLEBOARD, ANSI A208.1, GRADE M-3 EXTERIOR GLUE; TONGUE AND GROOVE EDGES.

B. ROOF SHEATHING: ORIENTED STRAND BOARD WOOD STRUCTURAL PANEL; PS 2.

1. GRADE: STRUCTURAL 1 SHEATHING.

2. BOND CLASSIFICATION: EXPOSURE 1.

3. PERFORMANCE CATEGORY: 5/8 PERF CAT.

4. SPAN RATING: 40/20.

5. EDGES: TONGUE AND GROOVE.

D. WALL SHEATHING: ANY PS 2 TYPE.

1. BOND CLASSIFICATION: EXTERIOR.

2. GRADE: STRUCTURAL I SHEATHING.

3. SPAN RATING: 24.

4. PERFORMANCE CATEGORY: 5/16 PERF CAT.

5. EDGE PROFILE: SQUARE EDGE.

E. WALL SHEATHING: PLYWOOD, PS 1, GRADE C-D, EXPOSURE I.

2.04 ACCESSORIES

A. FASTENERS AND ANCHORS:

1. METAL AND FINISH: HOT-DIPPED GALVANIZED STEEL, COMPLYING WITH ASTM A153/A153M FOR HIGH HUMIDITY AND PRESERVATIVE-TREATED WOOD LOCATIONS, UNFINISHED STEEL ELSEWHERE.

2. DRYWALL SCREWS: BUGLE HEAD, HARDENED STEEL, POWER DRIVEN TYPE, LENGTH THREE TIMES THICKNESS OF SHEATHING.

3. ANCHORS: TOGGLE BOLT TYPE FOR ANCHORAGE TO HOLLOW MASONRY.

B. JOIST HANGERS: HOT DIPPED GALVANIZED STEEL, SIZED TO SUIT FRAMING CONDITIONS.

2.05 FACTORY WOOD TREATMENT

A. TREATED LUMBER AND PLYWOOD: COMPLY WITH REQUIREMENTS OF AWPA U1 – USE CATEGORY SYSTEM FOR WOOD TREATMENTS DETERMINED BY USE CATEGORIES, EXPECTED SERVICE CONDITIONS, AND SPECIFIC APPLICATIONS.

1. FIRE-RETARDANT TREATED WOOD: MARK EACH PIECE OF WOOD WITH PRODUCER'S STAMP INDICATING COMPLIANCE WITH SPECIFIED REQUIREMENTS.

2. PRESERVATIVE-TREATED WOOD: PROVIDE LUMBER AND PLYWOOD MARKED OR STAMPED BY AN ALSO-ACCREDITED TESTING AGENCY, CERTIFYING LEVEL AND TYPE OF TREATMENT IN ACCORDANCE WITH AWPA STANDARDS.

B. FIRE RETARDANT TREATMENT:

1. EXTERIOR TYPE: AWPA U1, CATEGORY UCFB, COMMODITY SPECIFICATION H, CHEMICALLY TREATED AND PRESSURE IMPREGNATED; CAPABLE OF PROVIDING A MAXIMUM FLAME SPREAD INDEX OF 25 WHEN TESTED IN ACCORDANCE WITH ASTM E84, WITH NO EVIDENCE OF SIGNIFICANT COMBUSTION WHEN TEST IS EXTENDED FOR AN ADDITIONAL 20 MINUTES BOTH BEFORE AND AFTER ACCELERATED WEATHERING TEST PERFORMED IN ACCORDANCE WITH ASTM D2898.

A. KILN DRY WOOD AFTER TREATMENT TO A MAXIMUM MOISTURE CONTENT OF 19 PERCENT FOR LUMBER AND 15 PERCENT FOR PLYWOOD.

B. DO NOT USE TREATED WOOD IN DIRECT CONTACT WITH THE GROUND.

C. PRESERVATIVE TREATMENT:

1. PRESERVATIVE PRESSURE TREATMENT OF PLYWOOD ABOVE GRADE: AWPA U1, USE CATEGORY UC2 AND UC3B, COMMODITY SPECIFICATION F USING WATERBORNE PRESERVATIVE.

A. KILN DRY PLYWOOD AFTER TREATMENT TO MAXIMUM MOISTURE CONTENT OF 19 PERCENT.

2. PRESERVATIVE PRESSURE TREATMENT OF LUMBER IN CONTACT WITH SOIL: AWPA U1, USE CATEGORY UC4A, COMMODITY SPECIFICATION A USING WATERBORNE PRESERVATIVE.

A. PRESERVATIVE FOR FIELD APPLICATION TO CUT SURFACES: AS RECOMMENDED BY MANUFACTURER OF FACTORY TREATMENT CHEMICALS FOR BRUSH-APPLICATION IN THE FIELD.

PART 3 EXECUTION

3.01 INSTALLATION – GENERAL

A. SELECT MATERIAL SIZES TO MINIMIZE WASTE.

B. REUSE SCRAP TO THE GREATEST EXTENT POSSIBLE; CLEARLY SEPARATE SCRAP FOR USE ON SITE AS ACCESSORY COMPONENTS, INCLUDING: SHIMS, BRACING, AND BLOCKING.

C. WHERE TREATED WOOD IS USED ON INTERIOR, PROVIDE TEMPORARY VENTILATION DURING AND IMMEDIATELY AFTER INSTALLATION SUFFICIENT TO REMOVE INDOOR AIR CONTAMINANTS.

3.02 FRAMING INSTALLATION

A. SET STRUCTURAL MEMBERS LEVEL, PLUMB, AND TRUE TO LINE. DISCARD PIECES WITH DEFECTS THAT WOULD LOWER REQUIRED STRENGTH OR RESULT IN UNACCEPTABLE APPEARANCE OF EXPOSED MEMBERS.

B. INSTALL STRUCTURAL MEMBERS FULL LENGTH WITHOUT SPLICES UNLESS OTHERWISE SPECIFICALLY DETAILED.

C. COMPLY WITH MEMBER SIZES, SPACING, AND CONFIGURATIONS INDICATED, AND FASTENER SIZE AND SPACING INDICATED, BUT NOT LESS THAN REQUIRED BY APPLICABLE CODES AND AWC (WFCM) WOOD FRAME CONSTRUCTION MANUAL.

3.03 BLOCKING, NAILERS, AND SUPPORTS

A. PROVIDE FRAMING AND BLOCKING MEMBERS AS INDICATED OR AS REQUIRED TO SUPPORT FINISHES, FIXTURES, SPECIALTY ITEMS, AND TRIM.

B. IN METAL STUD WALLS, PROVIDE CONTINUOUS BLOCKING AROUND DOOR AND WINDOW OPENINGS FOR ANCHORAGE OF FRAMES, SECURELY ATTACHED TO STUD FRAMING.

3.04 INSTALLATION OF CONSTRUCTION PANELS

A. ROOF SHEATHING: SECURE PANELS WITH LONG DIMENSION PERPENDICULAR TO FRAMING MEMBERS, WITH ENDS STAGGERED AND OVER FIRM BEARING.

1. NAIL PANELS TO FRAMING: STAPLES ARE NOT PERMITTED.

B. WALL SHEATHING: SECURE WITH LONG DIMENSION PERPENDICULAR TO WALL STUDS, WITH ENDS OVER FIRM BEARING AND STAGGERED, USING NAILS, SCREWS, OR STAPLES.

END OF SECTION

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Steven S. Grasley, License #E-79539
Expiration Date 12/31/2020

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Submissions:

2018.12.03: PERMIT SET

COURTYARD MARRIOTT - EXTERIOR

5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/3/2019 10:44 AM

Drawing Size
24x36

Project #
19139

Drawn By:
VP

Checked By:
RQ

Title:

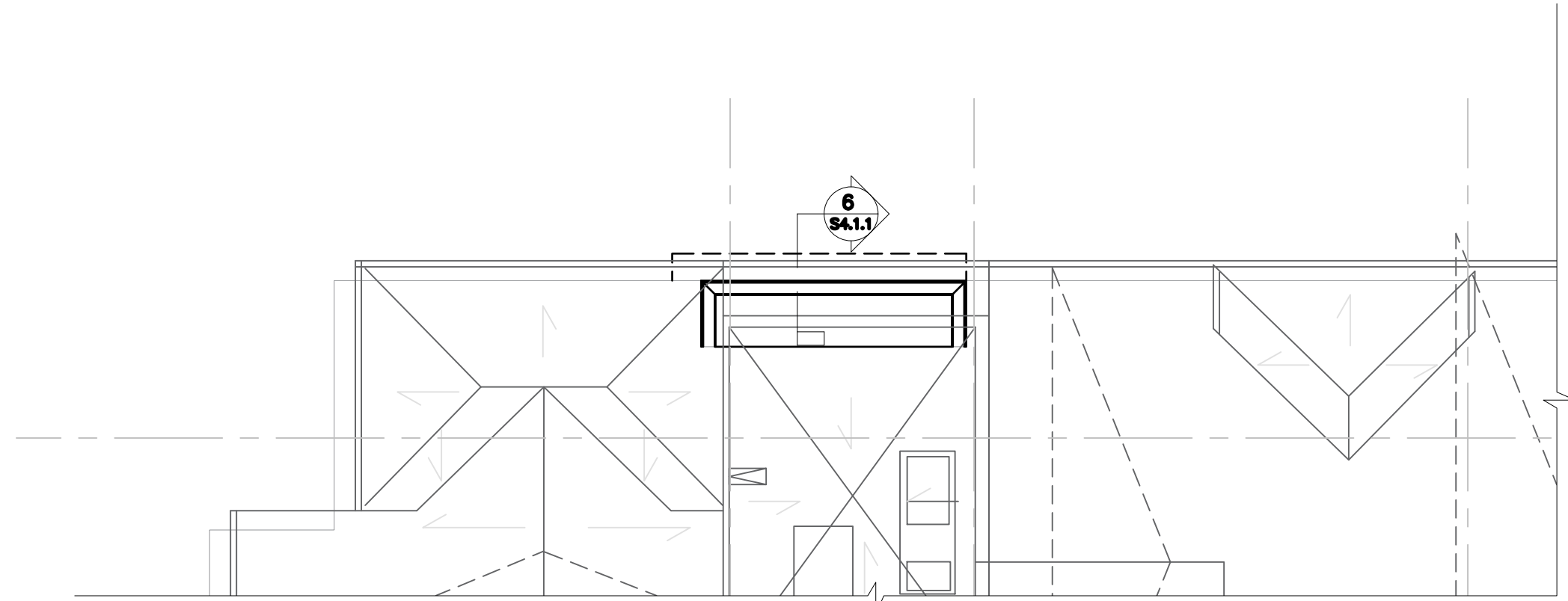
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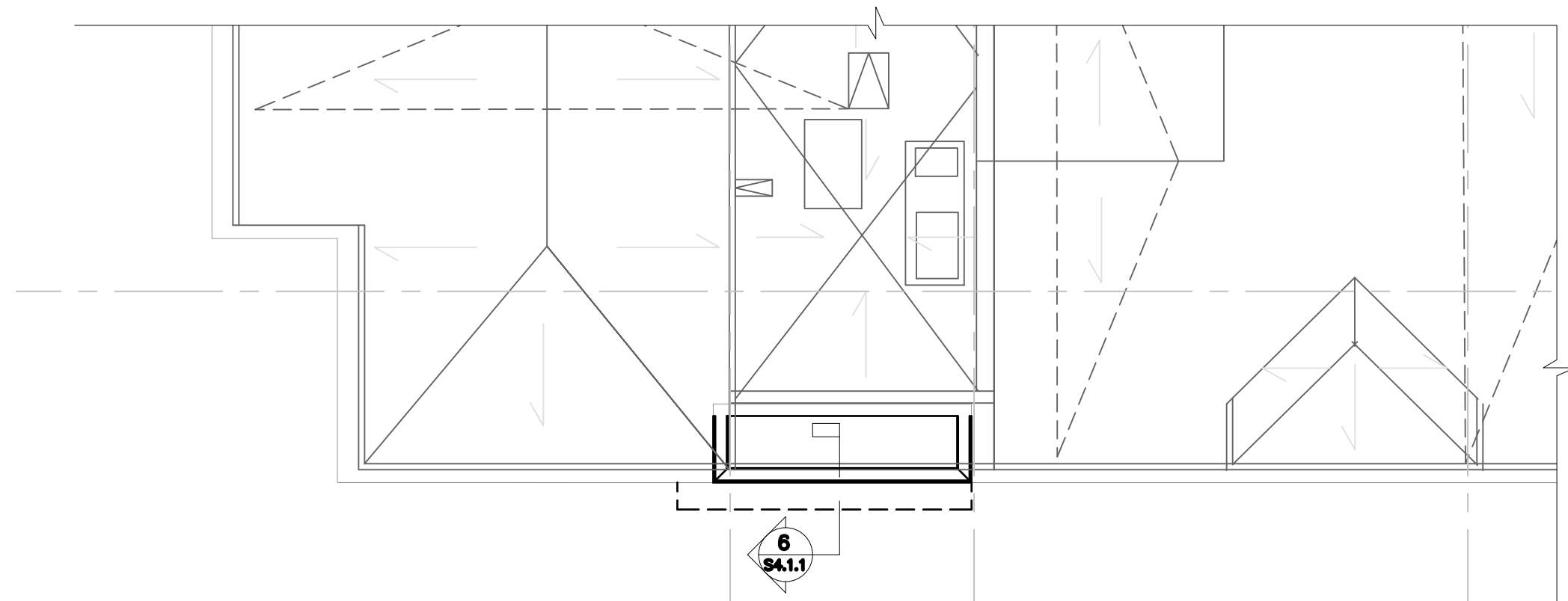
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Date: November 6, 2019

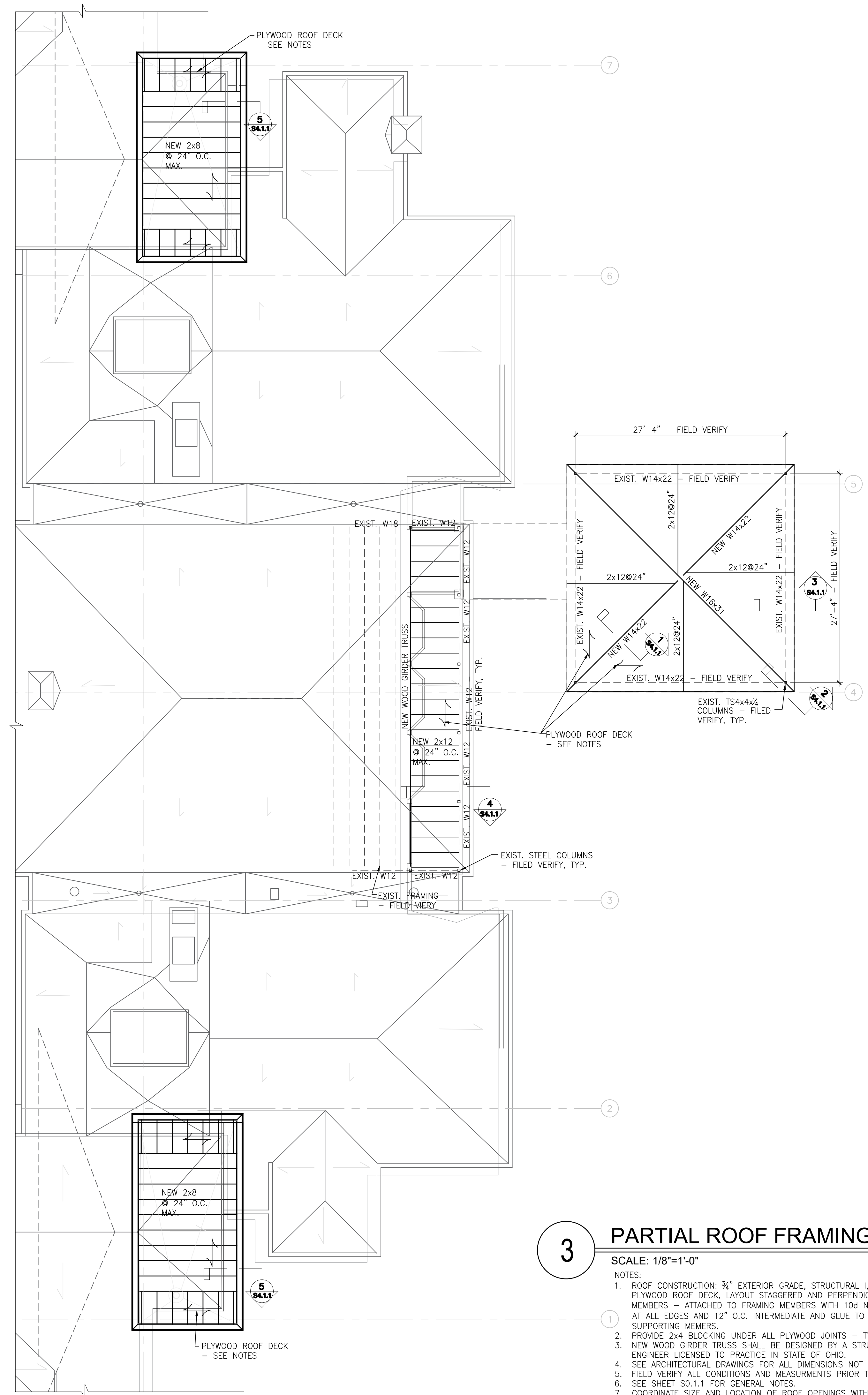
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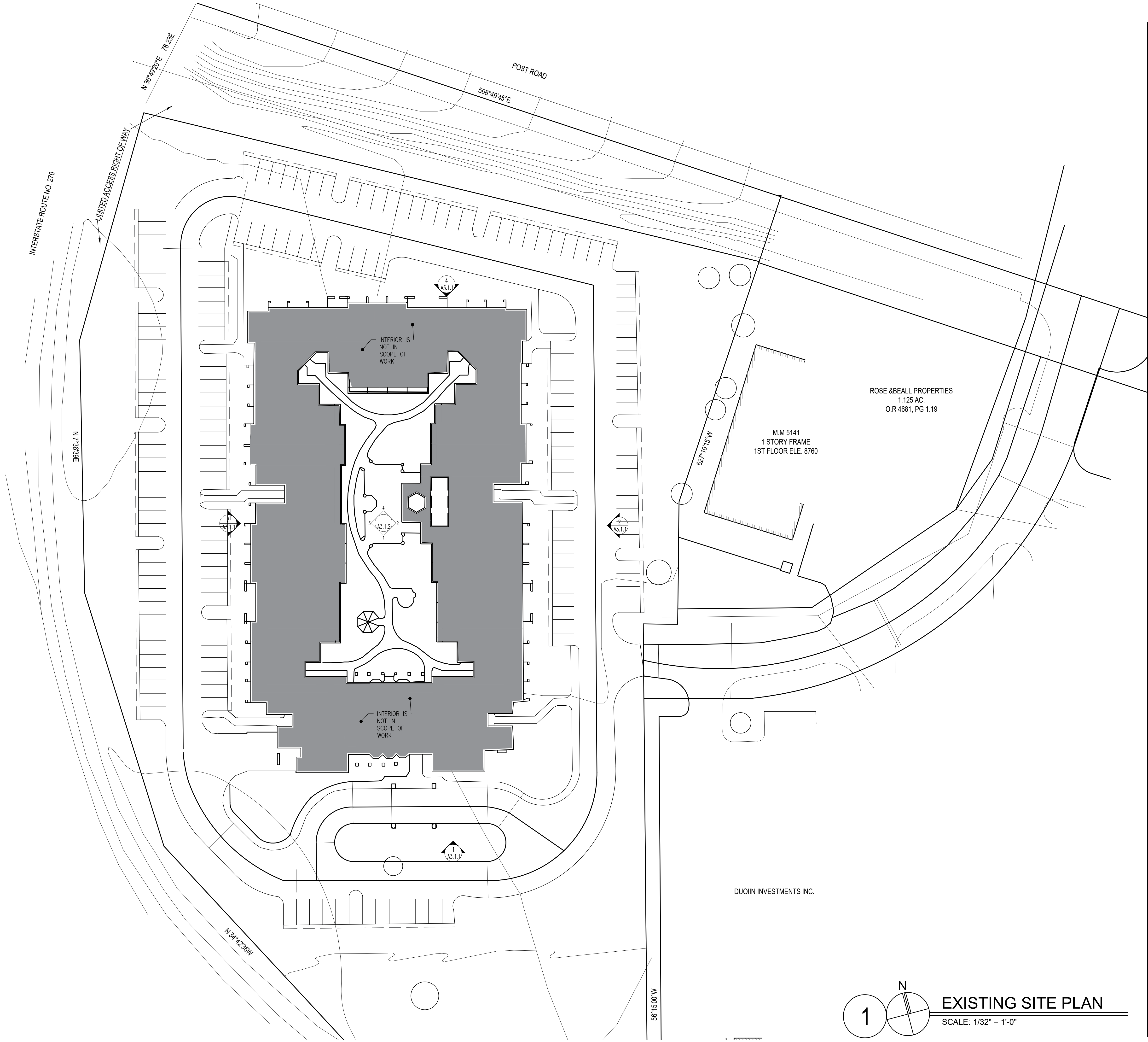


SCALE: 1/8"=1'-0"



- SCALE: 1/8"=1'-0"**
- NOTES:**
1. ROOF CONSTRUCTION: $\frac{3}{4}$ " EXTERIOR GRADE, STRUCTURAL I, APA RATED PLYWOOD ROOF DECK, LAYOUT STAGGERED AND PERPENDICULAR TO ROOF MEMBERS – ATTACHED TO FRAMING MEMBERS WITH 10d NAILS AT 4" O.C. AT ALL EDGES AND 12" O.C. INTERMEDIATE AND GLUE TO ALL SUPPORTING MEMBERS.
 2. PROVIDE 2x4 BLOCKING UNDER ALL PLYWOOD JOINTS – TYP.
 3. NEW WOOD GIRDER TRUSS SHALL BE DESIGNED BY A STRUCTURAL ENGINEER LICENSED TO PRACTICE IN STATE OF OHIO.
 4. SEE ELECTRICAL DRAWINGS FOR ALL DIMENSIONS, NOT SHOWN.
 5. FIELD VERIFY ALL CONDITIONS AND MEASUREMENTS PRIOR TO FABRICATION.
 6. SEE SHEET SO.1.1 FOR GENERAL NOTES.
 7. COORDINATE SIZE AND LOCATION OF ROOF OPENINGS WITH ARCHITECTURAL, MECHANICAL, AND ELECTRICAL DRAWINGS.

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GENERAL NOTES

SITE PLAN IS FOR REFERENCE ONLY. NO SITE WORK WILL BE DONE EXCEPT FOR REPAIR OF DAMAGED SIDEWALK DURING CONSTRUCTION

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Scott C. Malone, License #13774
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C.O.E. # 144109

Consultants:

Submissions:

2019.12.03: PERMIT SET

COURTYARD MARRIOTT - EXTERIOR
5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/2/2019 3:30 PM

Drawing Size 24x36	Project #: 19139
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Drawn By: MC	Checked By: RQ
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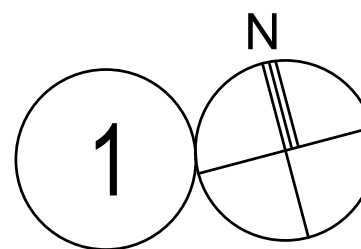
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ARCHITECTURAL
SITE PLAN**

Sheet Number:

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Date: November 6, 2019

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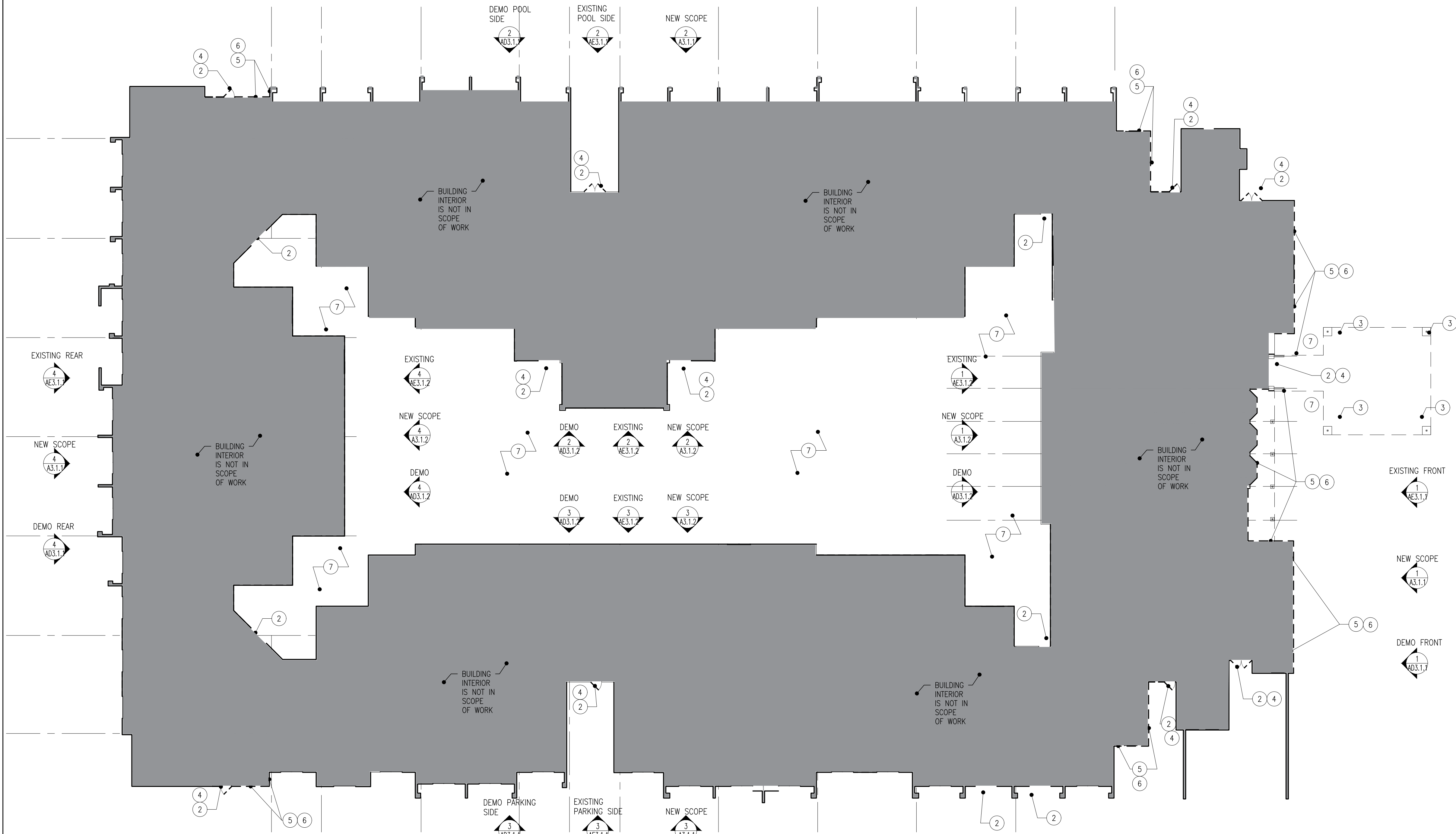


EXISTING SITE PLAN

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GRAPHIC SCALE: 1/32" = 1'-0"

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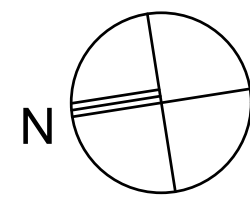
1 FLOOR DEMOLITION PLAN
SCALE: 1/16"=1'-0"

GENERAL DEMOTION NOTES

- 1.DEMOLITION PLAN SHOW APPROXIMATE LAYOUT OF EXISTING BUILDING AND IS NOT INTENDED TO REPRESENT- AS- BUILT- CONDITIONS. GC TO VISIT SITE AND OTHERWISE BECOME FAMILIAR WITH ACTUAL CONDITIONS WHEN BIDDING THE WORK.
- 2.PRIOR TO ANY DEMOLITION WORK, CONTRACTOR MUST FIELD VERIFY ALL EXISTING MECHANICAL, PLUMBING AND ELECTRICAL WORK LOCATED AROUND THE BUILDING FAÇADE THAT MIGHT AFFECT THE DEMOLITION PROCESS. THE LANDLORD MUST BE NOTIFIED PRIOR TO SHUTDOWN OF ANY SHARED MECHANICAL, PLUMBING AND ELECTRICAL SYSTEMS IF NECESSARY.
- 3.WALLS, DOORS, WINDOWS, FRAMES, AND OTHER ITEMS TO BE REMOVED ARE SHOWN DASHED. SERVICES WITHIN WALLS SHALL ALSO BE REMOVED. EDGES OF WALLS SHOWN TO REMAIN SHALL BE SAWCUT OR CLEANLY TOOTHED TO ACCEPT NEW CONSTRUCTION. REPAIR AND PATCH EXISTING WALLS SHOWN TO REMAIN WHERE INTERSECTING WALLS, DOORS, FRAMES, ETC. ARE SHOWN TO BE REMOVED AND WHERE EXISTING CONSTRUCTION WILL NOW BE EXPOSED IN THE NEW CONSTRUCTION.
- 4.EXISTING CONSTRUCTION SHOWN TO REMAIN INCLUDING BUT NOT LIMITED TO WALLS, DOORS, WINDOWS, FRAMES, ETC. SHALL BE PROTECTED DURING DEMOLITION. DAMAGE TO EXISTING CONSTRUCTION SHOWN TO REMAIN SHALL BE RESTORED TO MATCH PRE-DAMAGED CONDITION.
- 5.PROTECT FROM DAMAGE ALL EXISTING FINISH WORK TO REMAIN IN PLACE AND WHICH BECOMES EXPOSED DURING DEMOLITION OPERATIONS.
- 6.PROVIDE ALL NECESSARY SHORING, BRACING, AND SUPPORT TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF STRUCTURE OR ELEMENT TO BE DEMOLISHED, AND ADJACENT STRUCTURE OR ELEMENT SHOWN TO REMAIN. SHORING AND BRACING SHALL BE DESIGNED BY CONTRACTOR'S PROFESSIONAL ENGINEER LICENSED IN THE APPLICABLE JURISDICTION.
- 7.PROVIDE TEMPORARY WEATHER PROTECTION AND SECURITY DEVICES DURING INTERVAL BETWEEN DEMOLITION AND REMOVAL OF EXISTING CONSTRUCTION ON EXTERIOR SURFACES AND INSTALLATION OF NEW CONSTRUCTION TO ENSURE THAT NO WATER LEAKAGE OR DAMAGE OCCURS TO STRUCTURE OR TO INTERIOR AREAS OF EXISTING BUILDING.
- 8.EXISTING CONCRETE FLOOR SLABS, MASONRY WALLS AND EXISTING STRUCTURAL FRAMING SYSTEMS SHOWN TO BE REMOVED SHALL BE CLEANLY SAWCUT FROM EXISTING CONSTRUCTION. COMPLETELY REMOVE FOOTINGS, FOUNDATIONS AND ABOVE GROUND AND UNDERGROUND CONSTRUCTION.
- 9.WHERE FINISHES ARE SHOWN TO BE REMOVED FROM EXISTING CONSTRUCTION, REPAIR AND PATCH REMAINING SUBSTRATE AND PREPARE FOR NEW FINISH. REPAIR AND PATCH ALL REMAINING SUBSTRATES THAT WERE ORIGINALLY CONCEALED BY EXISTING FINISHES,BUT WILL NOW BE EXPOSED IN THE NEW CONSTRUCTION.
- 10.SALVAGE MATERIAL AS REQUIRED FOR PATCHING AND INFILL. SALVAGE MATERIAL SHALL BE CLEANED AND STORED IN AREAS AWAY FROM THE DEMOLITION OR UNTIL NEEDED.
11. REMOVE ALL EXISTING OBSOLETE MISCELLANEOUS NON-LOADBEARING ITEMS IN THEIR ENTIRETY AS NOTED INCLUDING (BUT NOT LIMITED TO) SHEATHING, DOORS, WINDOWS, FRAMES, SOFFITS, STUDS, FURRING, INSULATION, ETC. PARTICULARLY WHERE EXISTING WALLS WILL INTERFERE WITH THE INSTALLATION OF NEW CONSTRUCTION, OR WHERE EXISTING ITEMS WILL BE EXPOSED IN THE NEW CONSTRUCTION, UNLESS SPECIFICALLY SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS TO REMAIN. REPAIR AND PATCH ALL SURFACES TO REMAIN, WITH MATERIALS MATCHING EXISTING CONSTRUCTION. COORDINATE WITH NEW CONSTRUCTION.
- 12.REMOVE ALL EXISTING ELECTRICAL EQUIPMENT IN THEIR ENTIRETY THROUGHOUT WHERE EXISTING ITEMS WILL INTERFERE WITH THE INSTALLATION OF NEW CONSTRUCTION, OR WHERE EXISTING ITEMS WILL BE EXPOSED IN THE NEW CONSTRUCTION, UNLESS SPECIFICALLY SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS TO REMAIN, WITH MATERIALS MATCHING EXISTING CONSTRUCTION. COORDINATE WITH NEW CONSTRUCTION.
- 13.REMOVE GUTTER, DOWNSPOUTS AND SOFFITS IN THEIR ENTIRETY FROM THE ROOF WHERE EXISTING ITEMS WILL INTERFERE WITH THE INSTALLATION OF NEW CONSTRUCTION, UNLESS SPECIFICALLY SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS TO REMAIN. REPAIR AND PATCH ALL SURFACES TO REMAIN WITH MATERIALS MATCHING EXISTING CONSTRUCTION. COORDINATE WITH NEW CONSTRUCTION.
- 14.COORDINATE WITH CLIENT PROJECT MANAGER ANY AND ALL EXISTING ITEMS TO BE RE-USED/SALVAGED/REWORKED/RELOCATED.

DEMOLITION CODED NOTES

- 1 PROVIDE ALL NECESSARY SHORING, BRACING, AND SUPPORT TO PREVENT MOVEMENT, SETTLEMENT, OR COLLAPSE OF STRUCTURE OR ELEMENT TO BE DEMOLISHED, AND ADJACENT STRUCTURE OR ELEMENT SHOWN TO REMAIN. SHORING AND BRACING SHALL BE DESIGNED BY CONTRACTOR'S PROFESSIONAL ENGINEER LICENSED IN THE APPLICABLE JURISDICTION.
- 2 REMOVE FROM EXTERIOR FAÇADE ALL WALL MOUNTED OR EMBEDDED LIGHTING FIXTURES/FLOOD LIGHTING, GROUND LIGHTING AND ITS ASSEMBLY, EDGES OF WALLS SHOWN SHALL BE SAW CUT OR CLEANLY TOOTHED TO ACCEPT NEW EXTERIOR FINISH.
- 3 REMOVE EXISTING PORTE COCHERE EXTERIOR FAÇADE FINISH, SUBSTRATE TO ITS ENTIRTY, EXISTING SHELL LOAD BEARING STRUCTURE TO REMAIN.
- 4 REMOVE KEY CARD READER AND ASSEMBLY WHERE APPLICABLE AT ENTRY DOORS FOR NEW CONSTRUCTION. GC TO VERIFY IN FIELD PRIOR TO DEMOLITION.
- 5 STUCCO SYSTEM TRIM AND ACCESSORIES/FLASHINGS/SCREENS/ETC. TO BE REMOVED AS REQUIRED TO EXPOSE EXISTING SHEATHING SYSTEMS
- 6 GENERAL CONTRACTOR TO EXAMINE SHEATHING SYSTEMS AS REQUIRED AND REPORT TO THE OWNER FOR EVALUATION BY THE ARCHITECT TO DETERMINE REPLACEMENT OF SHEATHING SYSTEMS AS MAY BE REQUIRED AT REWORKED AREAS.
- 7 ALL LIGHTING BOLLARDS TO BE REPLACED, REFER TO ELECTRICAL DRAWINGS



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Drawing Size | Project #:
24x36 | 19139

Drawn By: | Checked By:
MC | RQ

Title:
**DEMOLITION
FLOOR PLAN**

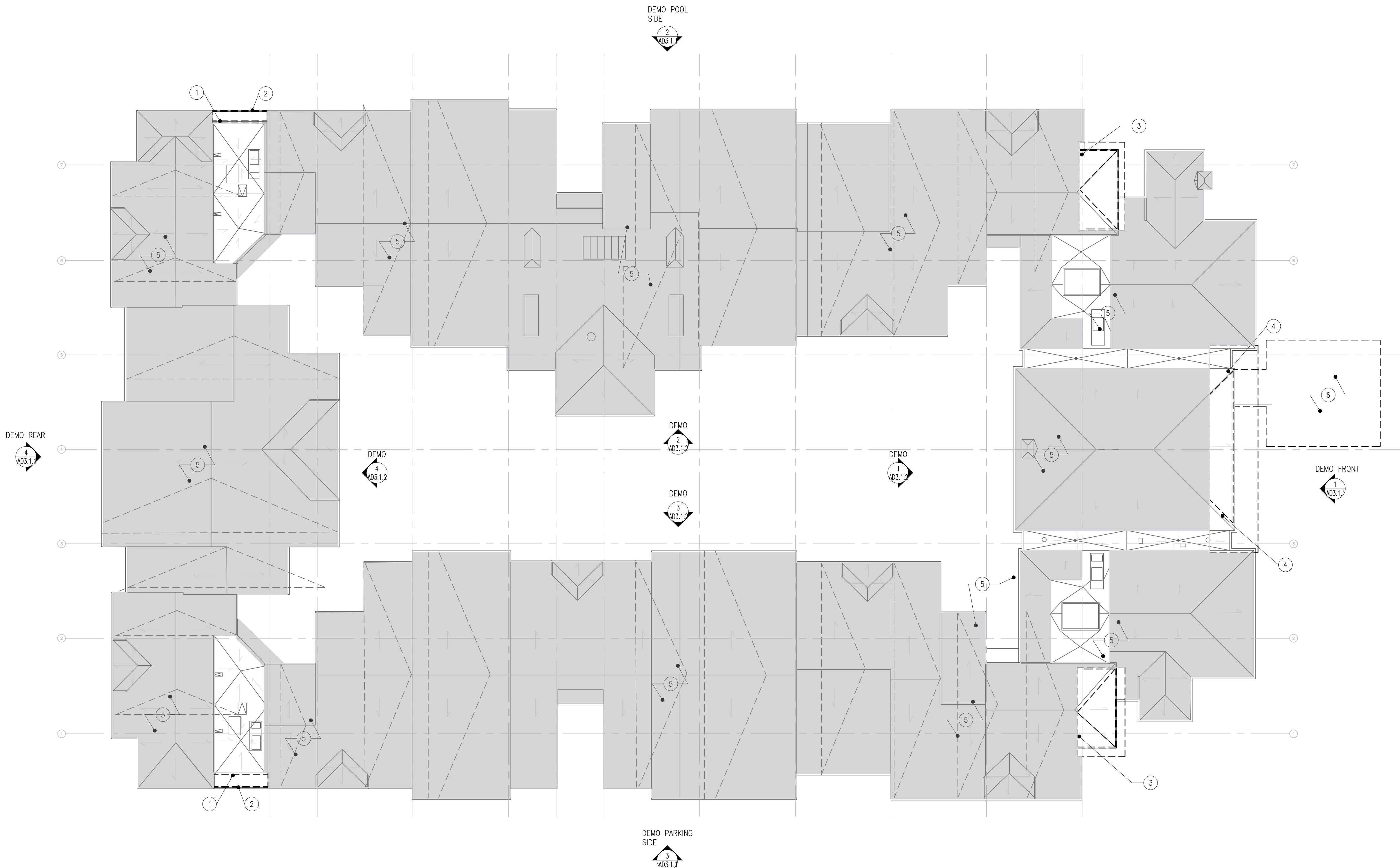
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1 DEMOLITION ROOF PLAN
SCALE: 1/8"=1'-0"

GENERAL CEILING SOFFIT DEMO NOTES

1. EXISTING ROOF TRUSSES TO REMAIN UNLESS STATED OTHERWISE

ROOF DEMOLITION CODED NOTES (X)

- 1 REMOVE ROOF LEVEL COPING AND PREPARE FOR NEW PARAPET AND FLAT ROOF
- 2 REMOVE EXISTING FIRST FLOOR SLOPED ROOF TO PREPARE FOR NEW FLAT ROOF
- 3 REMOVE ROOF TO INCLUDE SHINGLES, SHEATHING, ACCESSORIES, FLASHINGS, & ROOF TRUSSES TO PREPARE FOR A NEW FEATURE
- 4 REMOVE GUTTER, FASCIA, SHINGLES, ACCESSORIES, FLASHINGS, AND SELECT TRUSSES AND PREPARE FOR NEW FEATURE FRAME. SEE STRUCTURAL DRAWINGS FOR LIMITS OF DEMOLITION.
- 5 ROOF FINISH SYSTEM TO BE REMOVED AS REQUIRED TO EXPOSE EXISTING ROOF SHEATHING SYSTEM. GENERAL CONTRACTOR TO EXAMINE SHEATHING SYSTEMS AS REQUIRED AND REPORT DAMAGED AREAS TO THE ARCHITECT OF RECORD FOR EVALUATION BY THE ARCHITECT TO DETERMINE REPLACEMENT OF SHEATHING SYSTEMS AS MAYBE REQUIRED. NEW SPECIFIED SHINGLE ROOF SYSTEM SHOULD BE PROVIDED AS COMPLETE SYSTEM WITH UNDERLAYMENTS, ICE DAM MEMBRANES, ACCESSORIES, FLASHINGS, ROOF VENTING, ETC AS REQUIRED FOR COMPLETE ENVELOPE PROTECTION AND UL REQUIREMENTS.
- 6 REMOVE ENTIRE EXISTING PORTE COCHERE ROOF SYSTEM, ACCESSORIES, DRAINS, FLASHINGS, ETC. EXISTING STRUCTURAL COMPONENTS TO REMAIN

0 16 32 48
GRAPHIC SCALE: 1/16" = 1'-0"



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**DEMOLITION
ROOF
PLAN**

Sheet Number:

AD2.3.1

Date: November 6, 2019

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GENERAL NOTES

1. EXISTING STUCCO TO BE PAINTED WITH PROTOTYPE COLORS. SEE FINISH NOTES
2. NO DEMOLITION TO BE PERFORMED UNLESS THE EXISTING STUCCO/SURFACE IS DAMAGED
3. ALL ASPHALT SHINGLES TO BE REPLACED WITH NEW

DEMOLITION NOTES

A

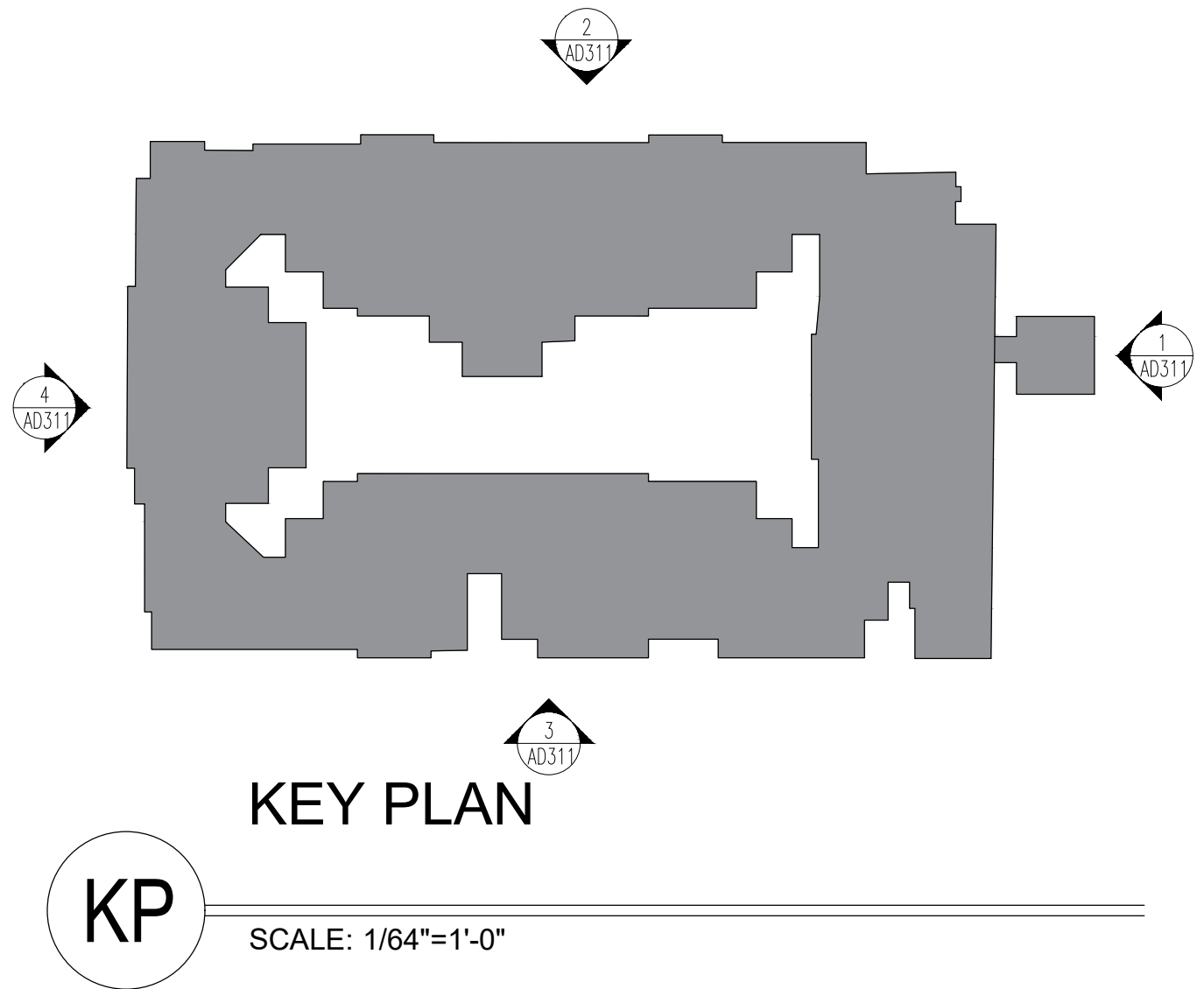


STUCCO TO BE REMOVED AS REQUIRED TO EXPOSE BLOCK WALL. NEW EIFS SYSTEM SHALL BE 1" SYSTEM MINIMUM WITH SPECIFIED ACCESSORIES/ FLASHINGS AND NEW OVERLAPPING WRB SYSTEMS AS REQUIRED FOR COMPLETE ENVELOPE PROTECTION.

B



ROOF FINISH SYSTEM TO BE REMOVED AS REQUIRED TO EXPOSE EXISTING ROOF SHEATHING SYSTEM. GENERAL CONTRACT TO EXAMINE SHEATHING SYSTEMS AS REQUIRED AND REPORT DAMAGED AREAS TO THE ARCHITECT OF RECORD FOR EVALUATION TO DETERMINE REPLACEMENT OF SHEATHING SYSTEMS AS MAY BE REQUIRED. NEW SPECIFIED SHINGLE/ ROOF SYSTEM PROVIDED SHALL BE A COMPLETE SYSTEM WITH UNDERLAYMENTS, ICE DAM MEMBRANES, ACCESSORIES, FLASHINGS, AND ROOF VENTING AS REQUIRED FOR COMPLETE ENVELOPE PROTECTION AND UL REQUIREMENTS.



KEY PLAN

SCALE: 1/64"=1'-0"

KP

4

REAR ELEVATION

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



3

PARKING SIDE ELEVATION

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



2

POOL SIDE ELEVATION

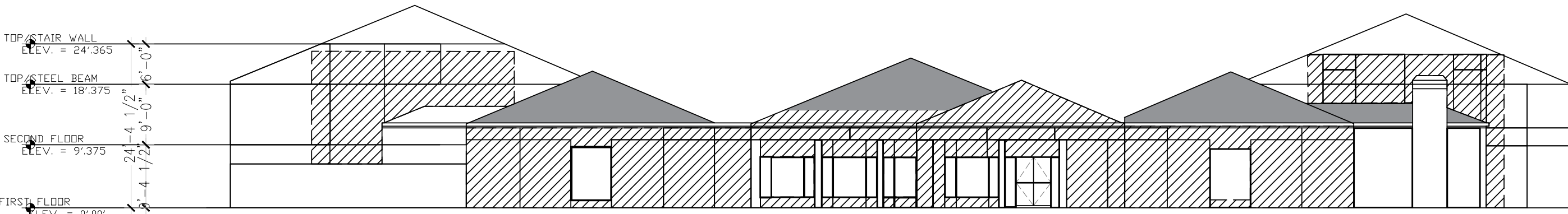
SCALE: 1/16"=1'-0"



1

FRONT ELEVATION

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



A:\2019\1918 - Commonwealth - Courtyard Marriott - Dublin OH Exterior V-CAD\Drawings\Main\AD311 Demo Exterior Elevations.dwg, 12/2/2019 3:31 PM, scale: 1"=0" = 1"=0", micallef (lgsppst)



4

REAR COURTYARD ELEVATION

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



3

COURTYARD SIDE ELEVATION (GUEST ROOM)

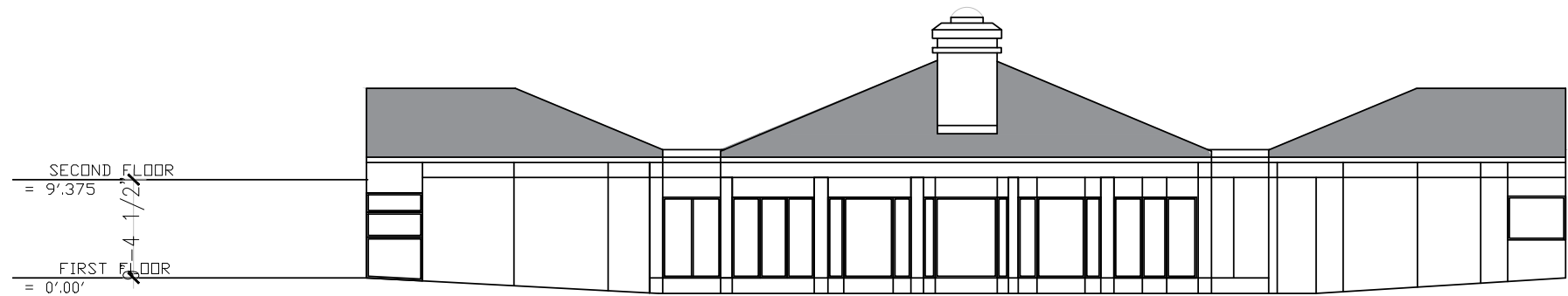
SCALE: 1/16"=1'-0"



2

COURTYARD SIDE ELEVATION (POOL)

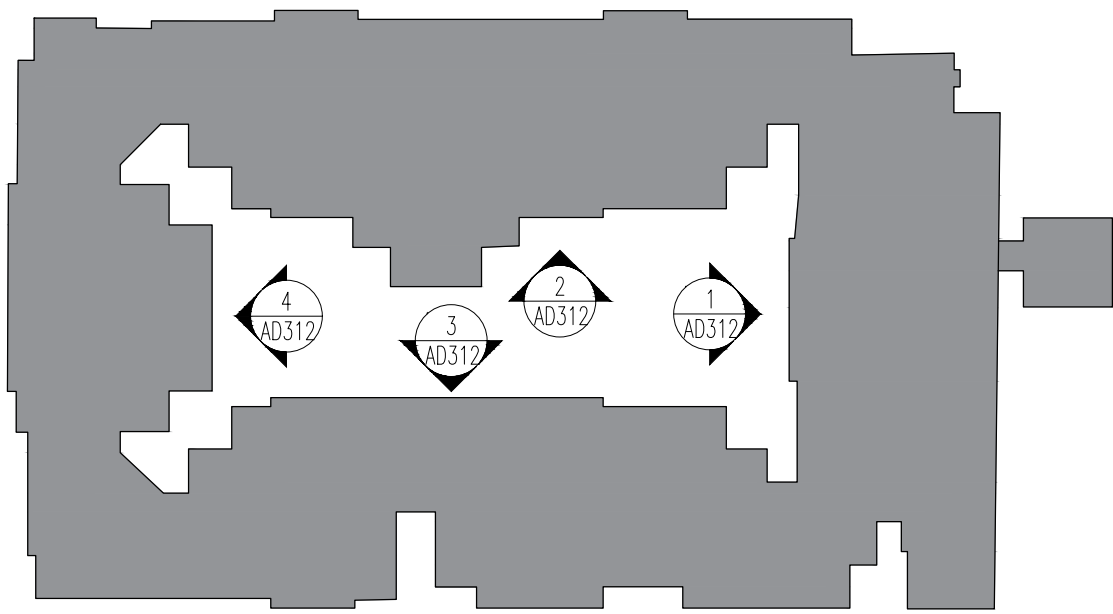
SCALE: 1/16"=1'-0"



1

COURTYARD FRONT ELEVATION/PUBLIC SPACE

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



KEY PLAN

KP

SCALE: 1/64"=1'-0"

GENERAL NOTES

1. EXISTING STUCCO TO BE PAINTED WITH PROTOTYPE COLORS. SEE FINISH NOTES
2. NO DEMOLITION TO BE PERFORMED UNLESS THE EXISTING STUCCO/SURFACE IS DAMAGED
3. ALL ASPHALT SHINGLES TO BE REPLACED WITH NEW

DEMOLITION NOTES

- B
- ROOF FINISH SYSTEM TO BE REMOVED AS REQUIRED TO EXPOSE EXISTING ROOF SHEATHING SYSTEM. GENERAL CONTRACT TO EXAMINE SHEATHING SYSTEMS AS REQUIRED AND REPORT DAMAGED AREAS TO THE ARCHITECT OF RECORD FOR EVALUATION TO DETERMINE REPLACEMENT OF SHEATHING SYSTEMS AS MAY BE REQUIRED. NEW SPECIFIED SHINGLE/ ROOF SYSTEM PROVIDED SHALL BE A COMPLETE SYSTEM WITH UNDERLAYMENTS, ICE DAM MEMBRANES, ACCESSORIES, FLASHINGS, AND ROOF VENTING AS REQUIRED FOR COMPLETE ENVELOPE PROTECTION AND UL REQUIREMENTS.

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STATE OF OHIO

SCOTT C. MALONE

REGISTERED ARCHITECT

UIC NO. 13374
COA # 144109

Scott C. Malone, License #13374
Expiration Date 6/30/2020
COA # 144109

Consultants:

Submissions:

2019.12.03: PERMIT SET

COURTYARD MARRIOTT - EXTERIOR

5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/2/2019 3:31 PM

Drawing Size 24x36	Project #: 19139
Drawn By: MC	Checked By: RQ

Title:
DEMOLITION
EXTERIOR
COURTYARD
ELEVATIONS

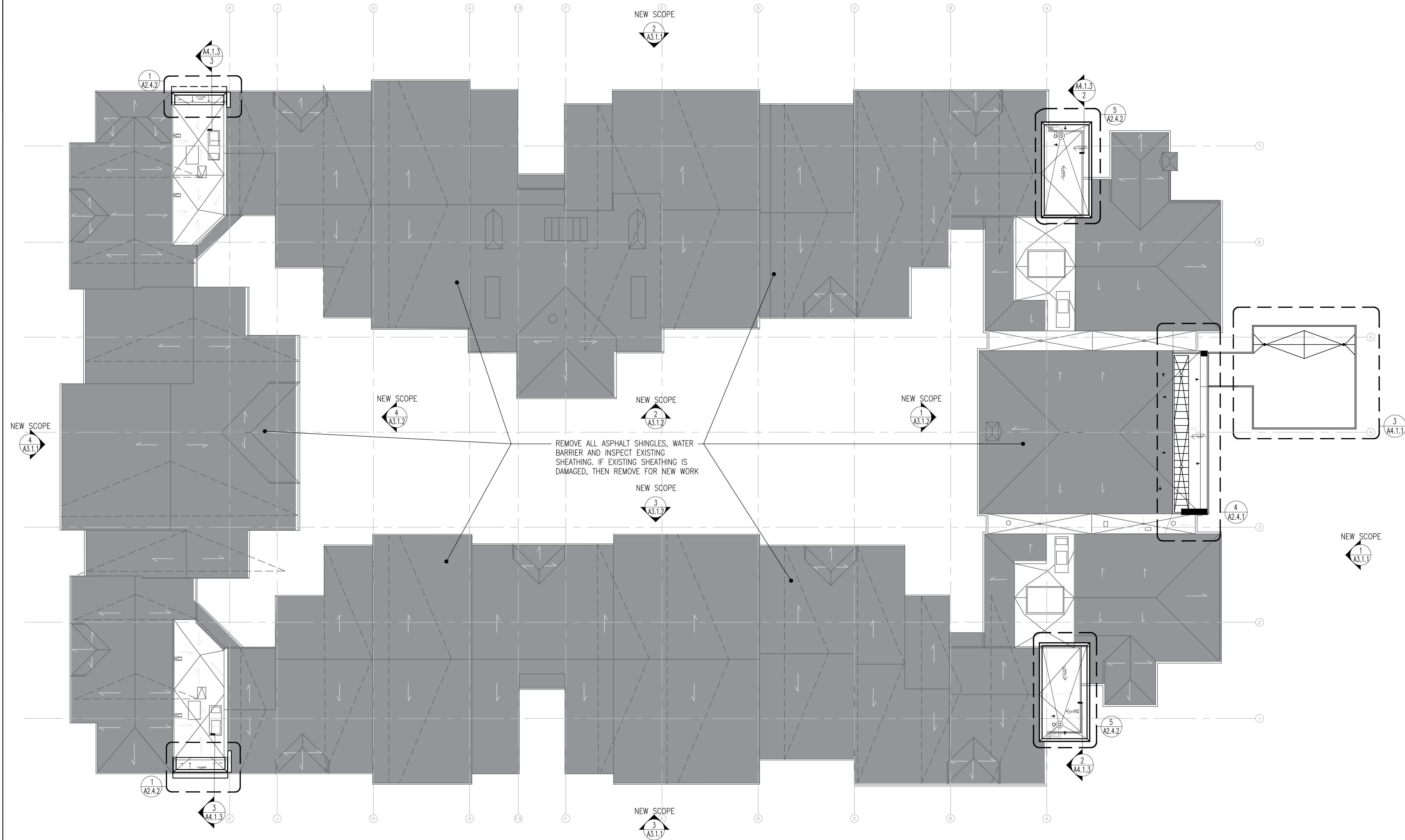
Sheet Number:
AD3.1.2

Date: November 6, 2019

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J:\2019\19139 - Commonwealth - Courtyard Marriott - Dublin OH Exterior\A-C\Drawings\Arch\A231 Roof Plan.dwg, 12/2/2019 3:30 PM, Issue: 1'-0" = 1'-0", notched, changed



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

GENERAL ROOFING NOTES

1. ARROWS INDICATE DIRECTION OF SLOPE ONLY, CONTRACTOR TO FIELD VERIFY EXACT SLOPE AND NOTIFY ARCHITECT OF ANY DISCREPANCY.
2. ALL PENETRATIONS, DRAINS, AND SCUPPERS ARE SHOWN IN APPROXIMATE LOCATION, CONTRACTOR TO FIELD VERIFY.
3. INTENT OF MASONRY RESTORATION SCOPE IS TO PROVIDE WATER TIGHTNESS FROM THE ROOF DECK LEVEL UP AND OVER PARAPETS AND BACK DOWN OTHER SIDE TO ROOF DECK LEVEL.
4. ALL MASONRY RESTORATION VALUES GIVEN ARE APPROXIMATE.

CODED NOTES

1 X

ROOF PLAN LEGEND

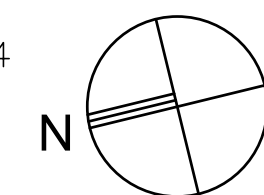
	24" PASSIVE VENT
	AIR INTAKE, DIMENSION AS INDICATED.
	GOOSE NECK FIX EXHAUST
	CORE SAMPLE LOCATION
	ROOF DRAIN
	6" OUTLET
	4" PLUMBING VENT
	EXHAUST FAN
	6" FLUE
	SCUPPER
	AREA REQUIRING NEW ASPHALT SHINGLES

SLOPE LEGEND

1/4" PER 1'-0" SLOPE:

INTENT OF SADDLES IS TO PROVIDE MINIMUM 1/4" PER 12" FINAL SURFACE SLOPE AWAY FROM WALL.

0 8 16 24
GRAPHIC SCALE: 1/8" = 1'-0"



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SEAL:



SCOTT
C.
MALONE
REGISTERED ARCHITECT
LIC. NO. 13774
COA # 144109
Scott C. Malone, License #13774
Expiration Date 6/30/2020
COA # 144109

Consultants:

Submissions:

2019.12.03: PERMIT SET

COURTYARD MARRIOTT - EXTERIOR
5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/2/2019 3:30 PM

Drawing Size: 24x36 | Project #: 19139

Drawn By: MC | Checked By: RQ

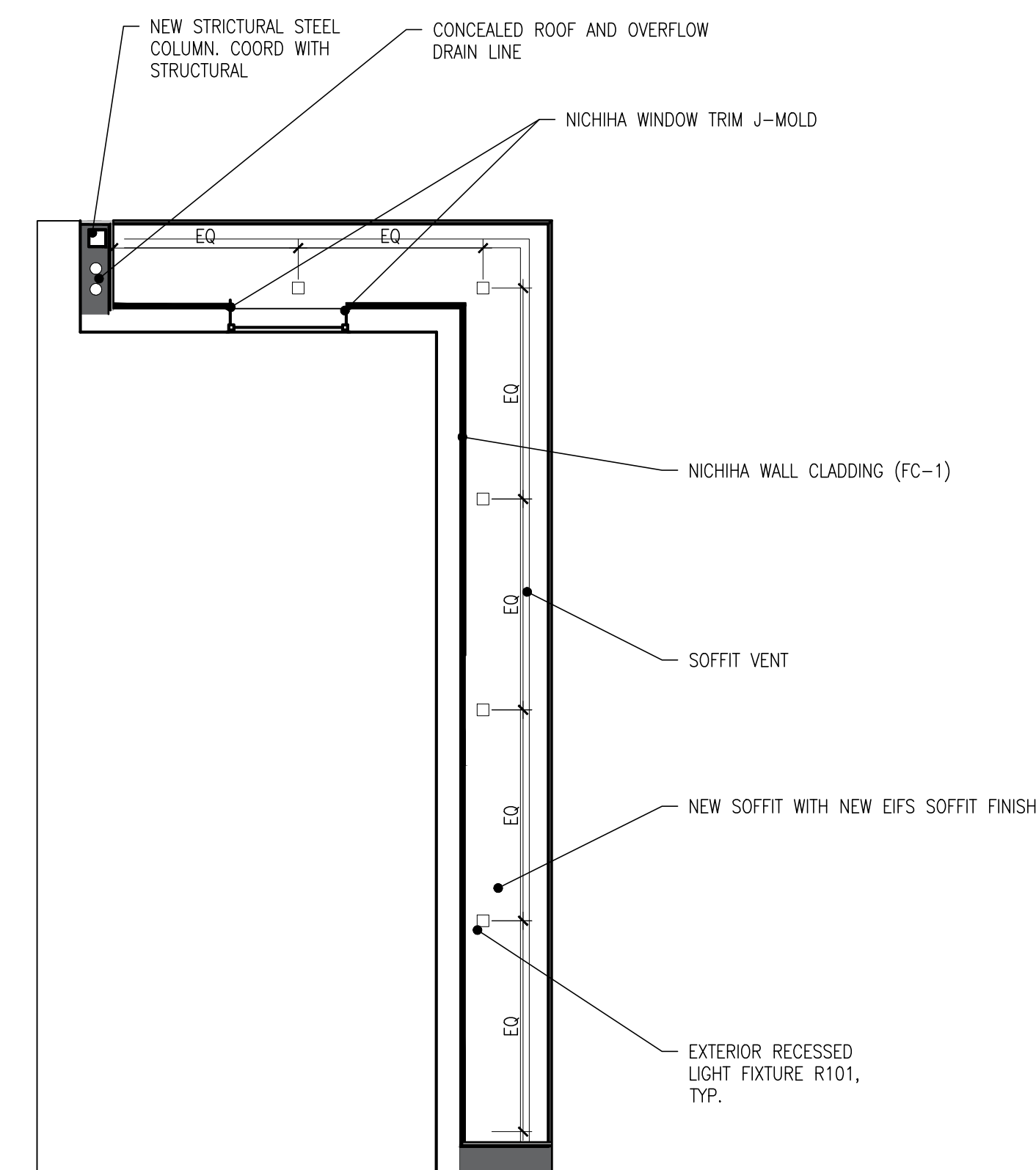
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**NEW
ROOF PLAN**

Sheet Number:

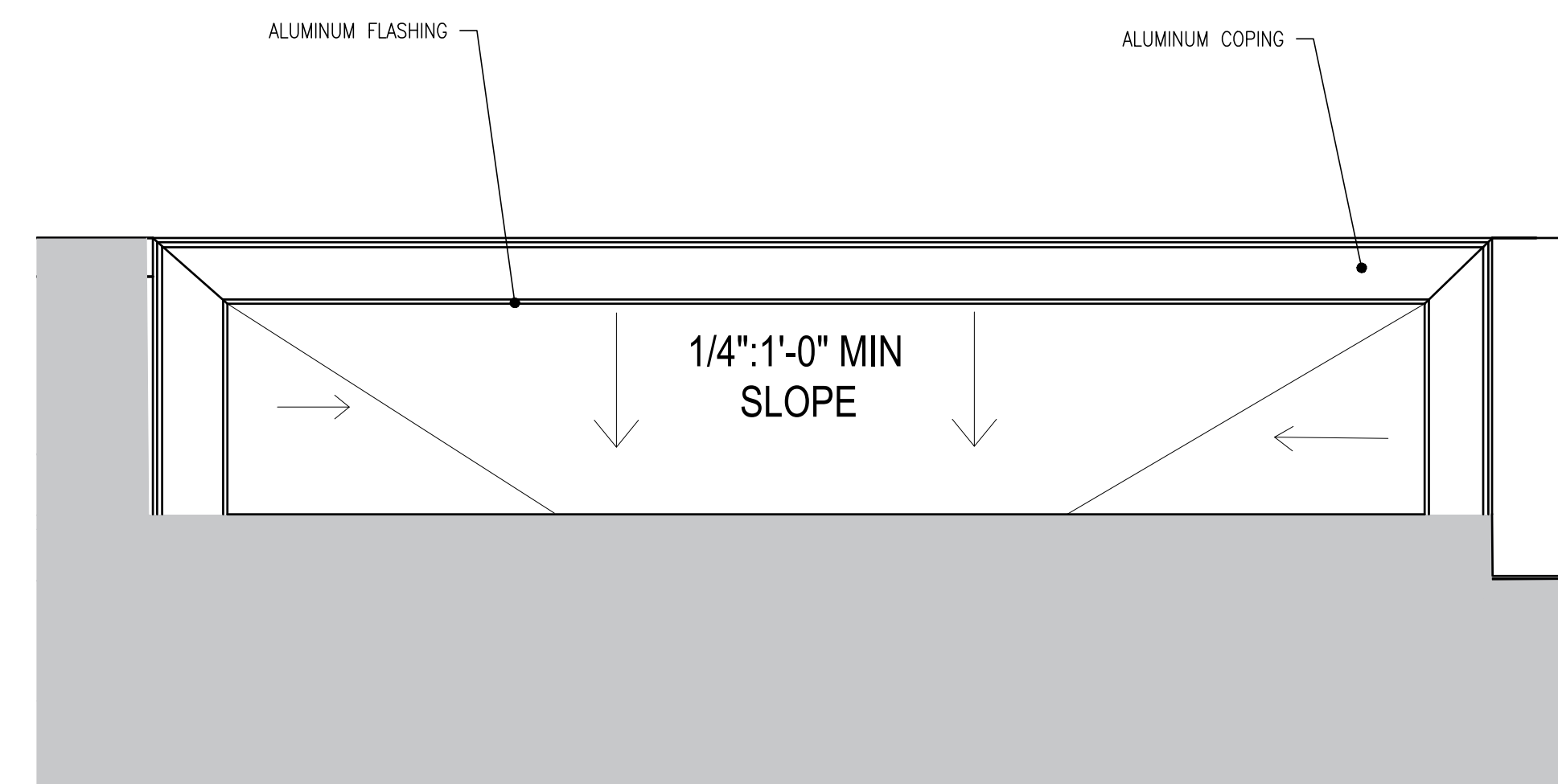
A2.3.1

Date: November 6, 2019

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4 FRONT SIDE STAIR - RCP
SCALE: 1/4"=1'-0"



1 REAR SIDE STAIRWELL ROOF PLAN
SCALE: 1/16"=1'-0"

PROPOSED NEW WORK ELEVATIONS



4

REAR ELEVATION

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



3

PARKING SIDE ELEVATION

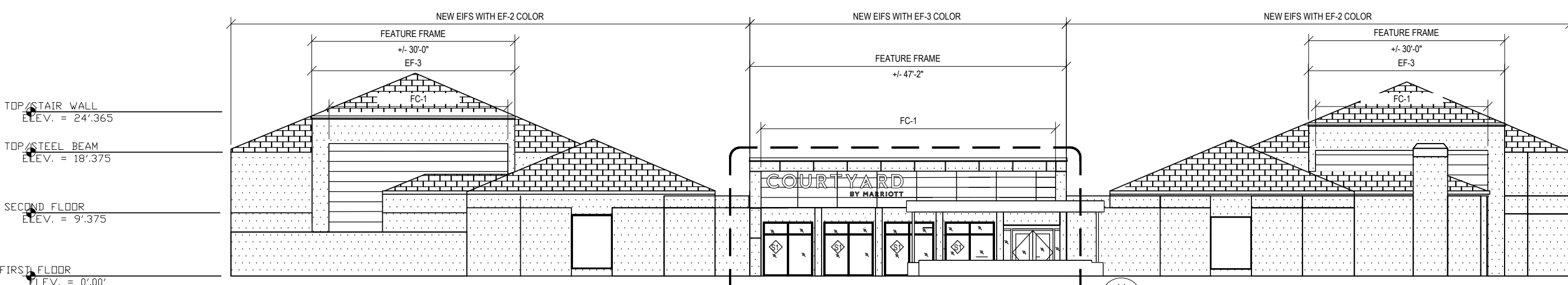
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2

POOL SIDE ELEVATION

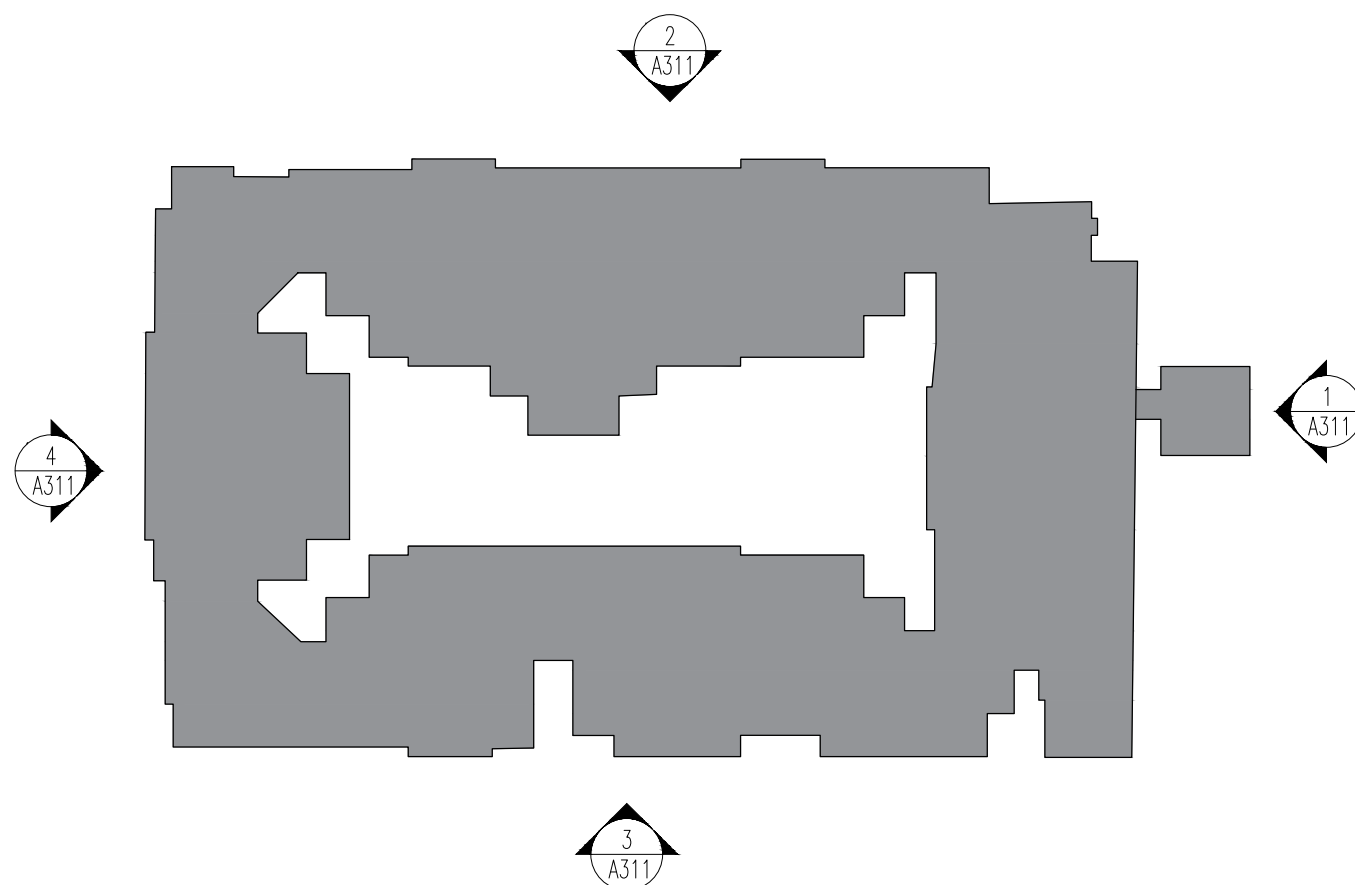
SCALE: 1/16"=1'-0"



1

FRONT ELEVATION

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



KP

KEY PLAN

SCALE: 1/64"=1'-0"

GENERAL NOTES

1. EXISTING STUCCO TO BE PAINTED WITH PROTOTYPE COLORS. SEE FINISH NOTES
2. NO DEMOLITION TO BE PERFORMED UNLESS THE EXISTING STUCCO/SURFACE IS DAMAGED
3. ALL ASPHALT SHINGLES TO BE REPLACED WITH NEW

PAINT AND SIDING FINISH NOTES

EF-1 PPG: "PPG1002-1 SILVER FEATHER"

EF-2 PPG: "PPG1038-5 FELDSPAR"

EF-3 PPG: "PPG1011-7 ONYX"

FC-1 NICHHA FIBER-CEMENT SIDING PANELS, COLOR: CEDAR

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CEA # 144109

Consultants:

Submissions:

2019.12.03. PERMIT SET

COURTYARD MARRIOTT - EXTERIOR

5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/2/2019 3:30 PM

Drawing Size
24x36

Project #:
19139

Drawn By:
MC

Checked By:
RQ

Title:

EXTERIOR

PARKING SIDE

ELEVATIONS

(NEW WORK)

Sheet Number:

A3.1.1

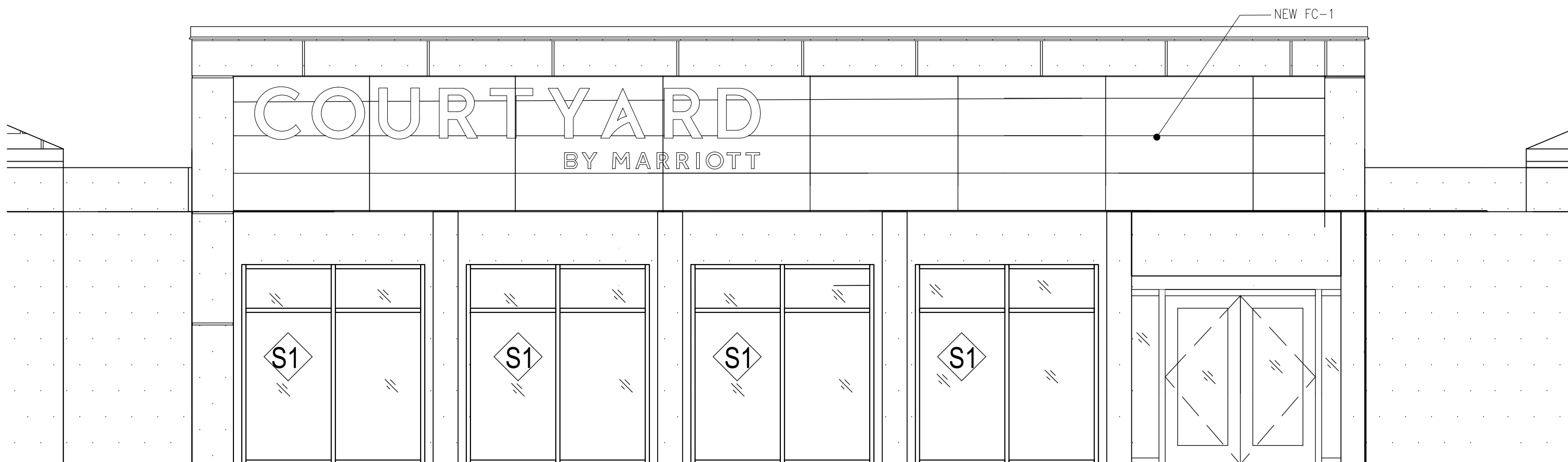
Date: November 6, 2019

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1A

ENLARGED FRONT ELEVATION BEHIND PORTE COCHERE

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



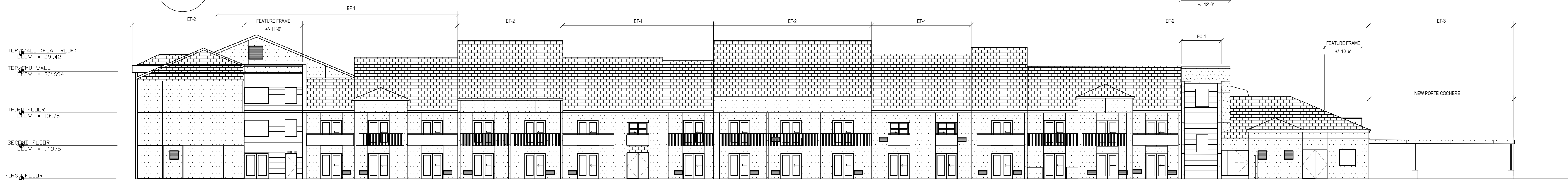
PROPOSED NEW WORK ELEVATIONS



4

REAR ELEVATION

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



3

PARKING SIDE ELEVATION

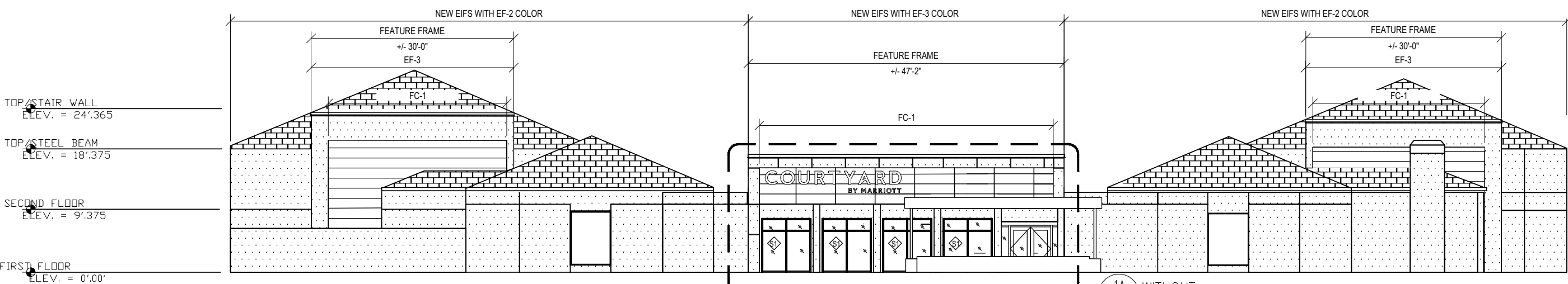
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2

POOL SIDE ELEVATION

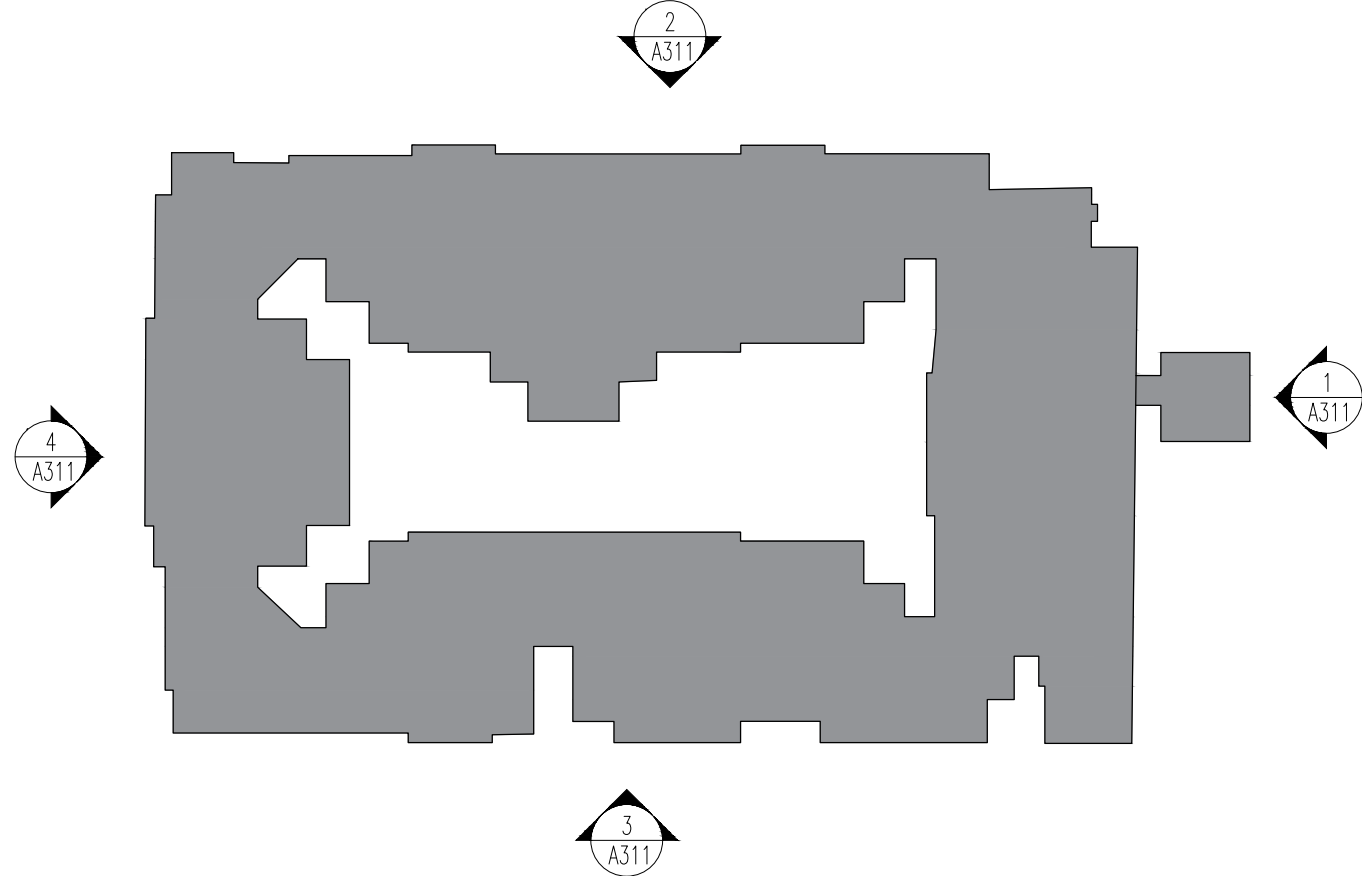
SCALE: 1/16"=1'-0"



1

FRONT ELEVATION

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



KP

KEY PLAN

SCALE: 1/64"=1'-0"

GENERAL NOTES

- EXISTING STUCCO TO BE PAINTED WITH PROTOTYPE COLORS. SEE FINISH NOTES
- NO DEMOLITION TO BE PERFORMED UNLESS THE EXISTING STUCCO/SURFACE IS DAMAGED
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EF-1 PPG: "PPG1002-1 SILVER FEATHER"

EF-2 PPG: "PPG1038-5 FELDSPAR"

EF-3 PPG: "PPG1011-7 ONYX"

FC-1 NICHHA FIBER-CEMENT SIDING PANELS, COLOR: CEDAR

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2019.11.04: CONSTRUCTION DOCUMENTS

COURTYARD MARRIOTT - EXTERIOR
5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 11/7/2019 9:44 AM

Drawing Size

24x36

Project #:

19139

Drawn By:

MC

Checked By:

RQ

Title:

EXTERIOR

PARKING SIDE

ELEVATIONS

(NEW WORK)

Sheet Number:

A3.1.1

Date: November 6, 2019

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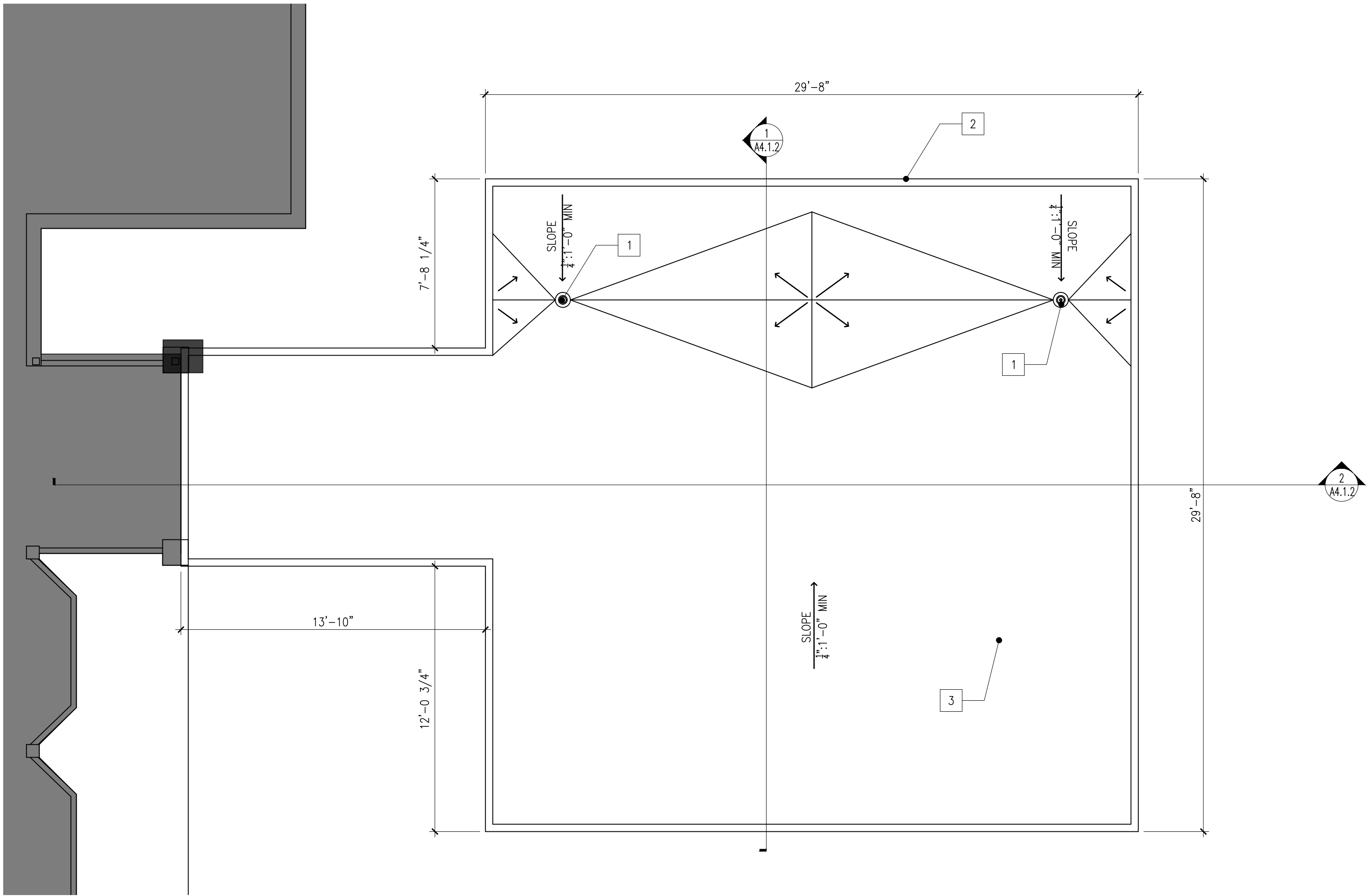
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ENLARGED FRONT ELEVATION BEHIND PORTE COCHERE

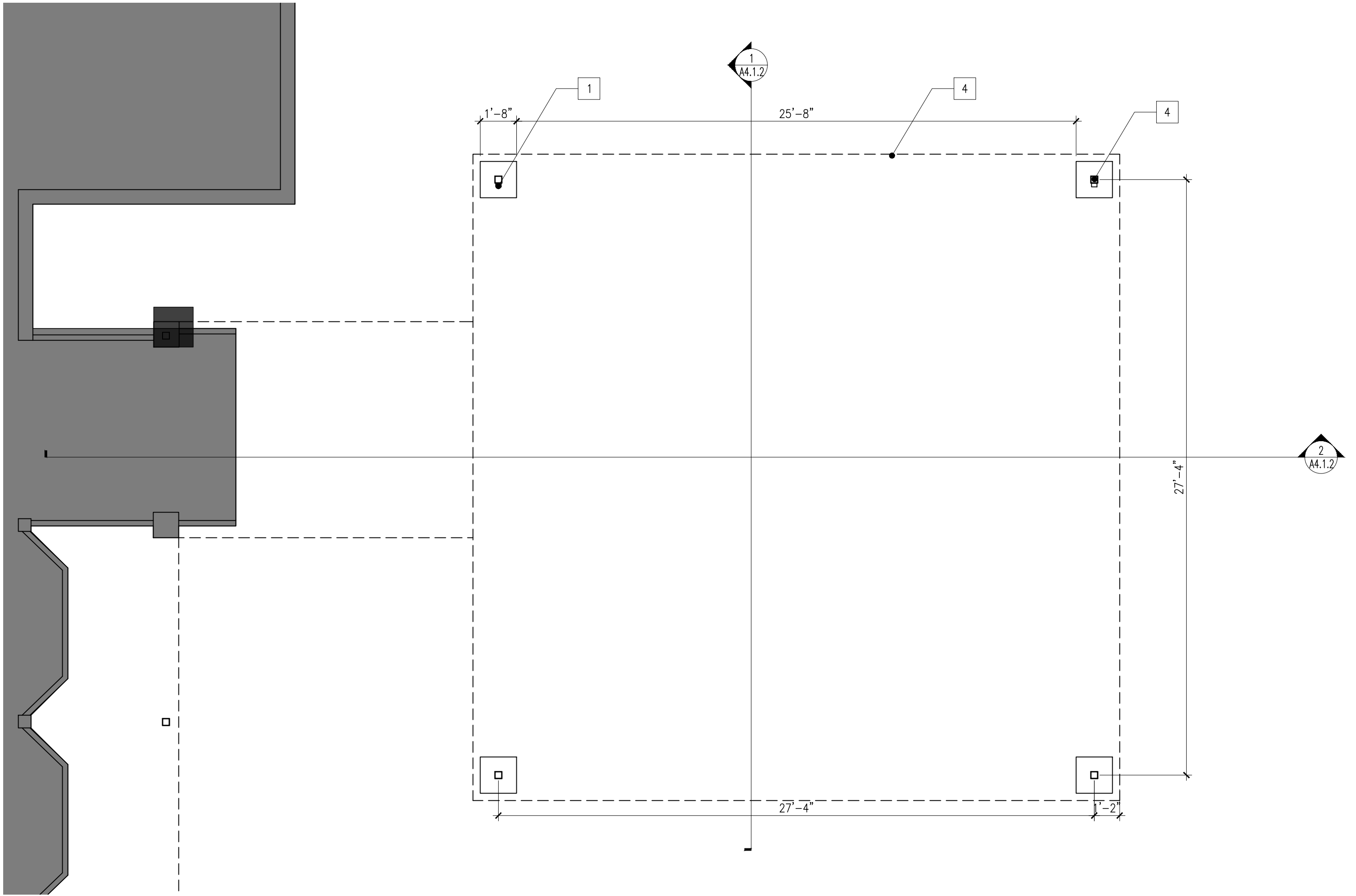
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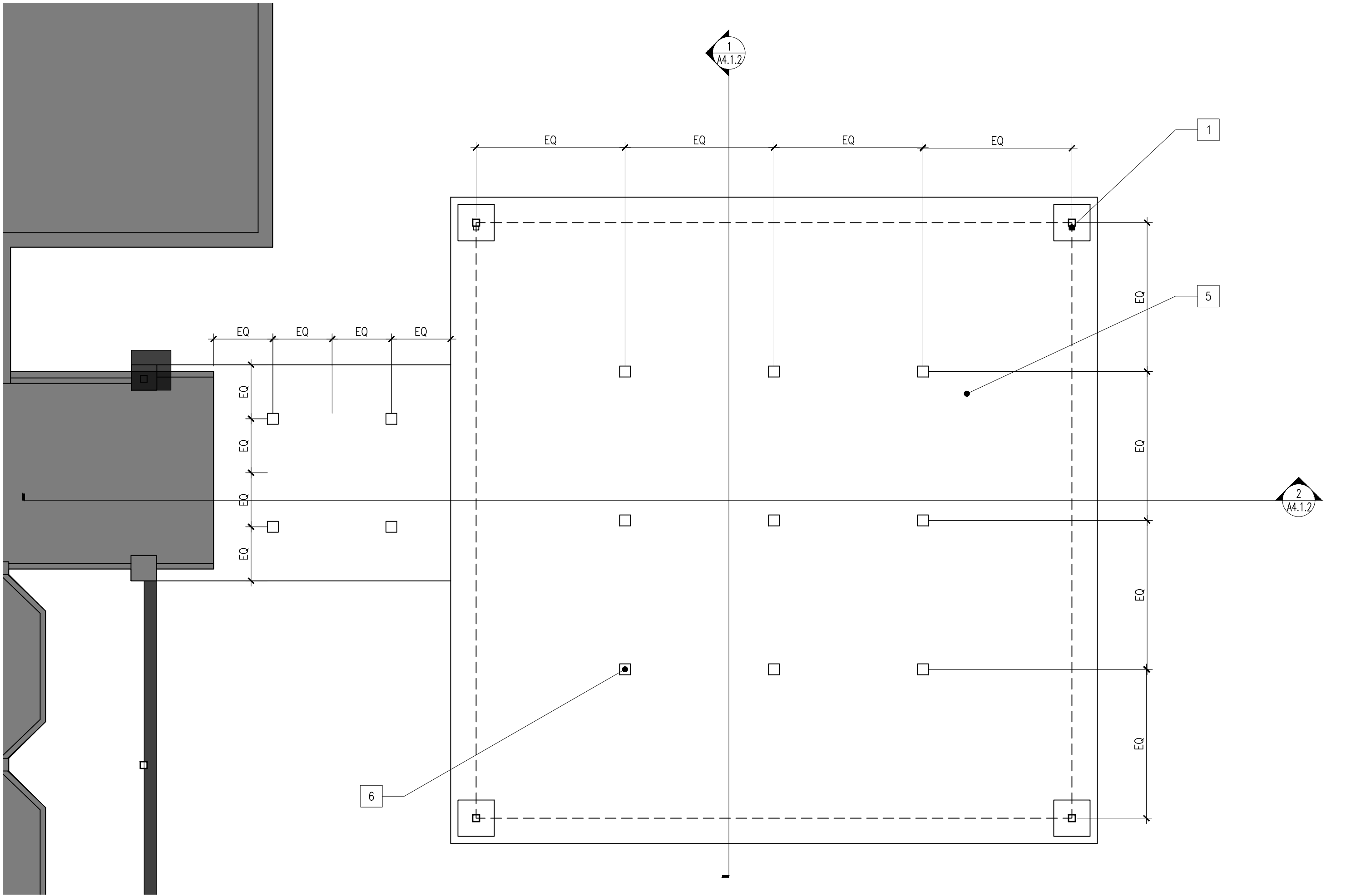
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3 PORTE COCHERE - ROOF PLAN
SCALE: 1/4"=1'-0"



2 PORTE COCHERE - PLAN
SCALE: 1/4"=1'-0"



1 PORTE COCHERE - REFLECTED CEILING
SCALE: 1/4"=1'-0"



X CODED NOTES

- 1 NEW ROOF DRAIN. EXTEND DRAINS DOWN AT COLUMN LOCATIONS DOWNSPOUTS TO TIE INTO STORM DRAIN. PAINT TO MATCH ADJACENT MT-4 FINISH
- 2 OVERFLOW SPOUT AT THE EDGE OF CANOPY. COORDINATE STRUCTURE WITH PONDING BASE ON HEIGHT OF OVERFLOW SCUPPER
- 3 SINGLE PLY MEMBRANE ROOF OVER TAPERED INSULATION SLOPED PER CODE
- 4 EXISTING STRUCTURE TO REMAIN, TYP. SEE STRUCTURAL DRAWINGS
- 5 GWB CEILING W/ METALLIC PAINT
- 6 SEE ELECTRICAL DRAWINGS FOR LIGHTING

ARCHITECT:

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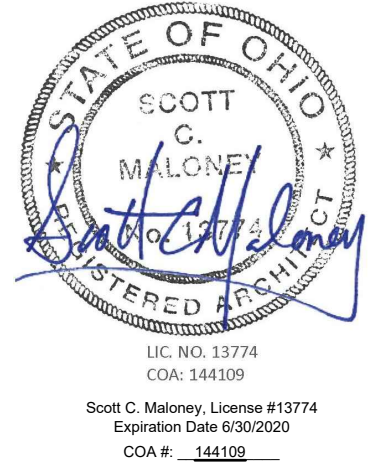
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5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/2/2019 3:30 PM

Drawing Size | Project #:
24x36 | 19139

Drawn By: | Checked By:
CVE | RQ

Title:
ENLARGED
PORTE COCHERE
PLANS

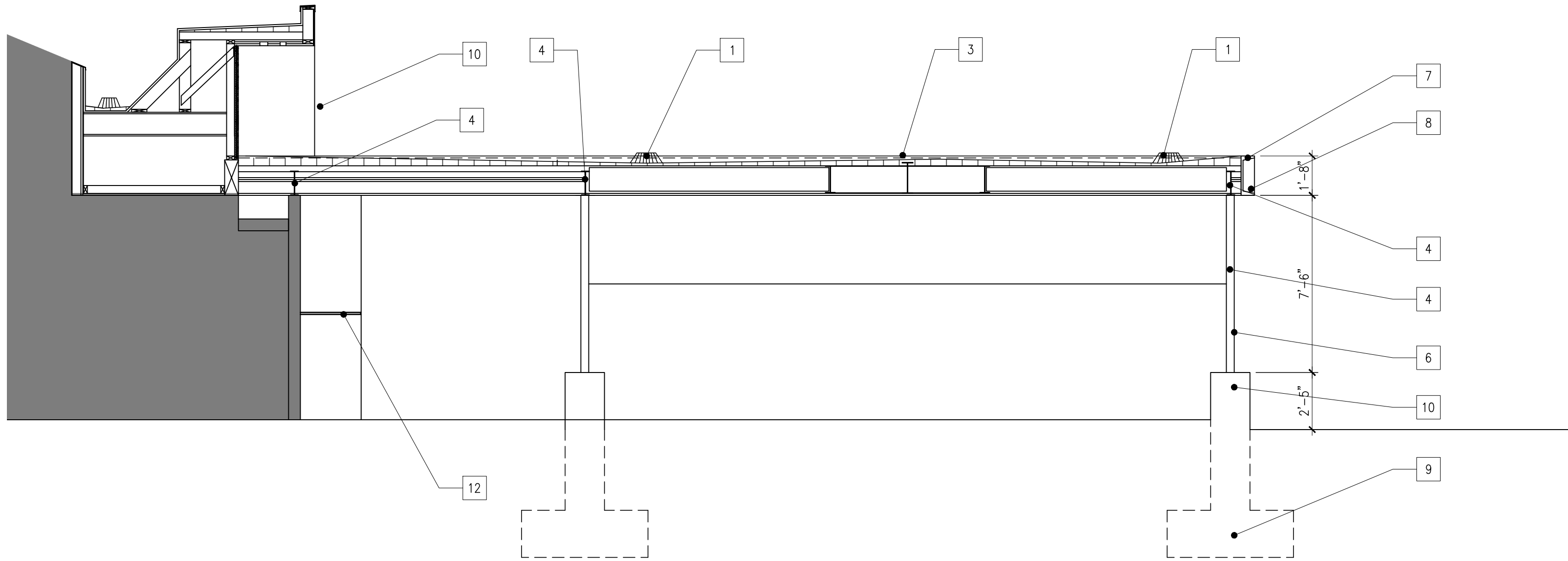
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Date: November 6, 2019

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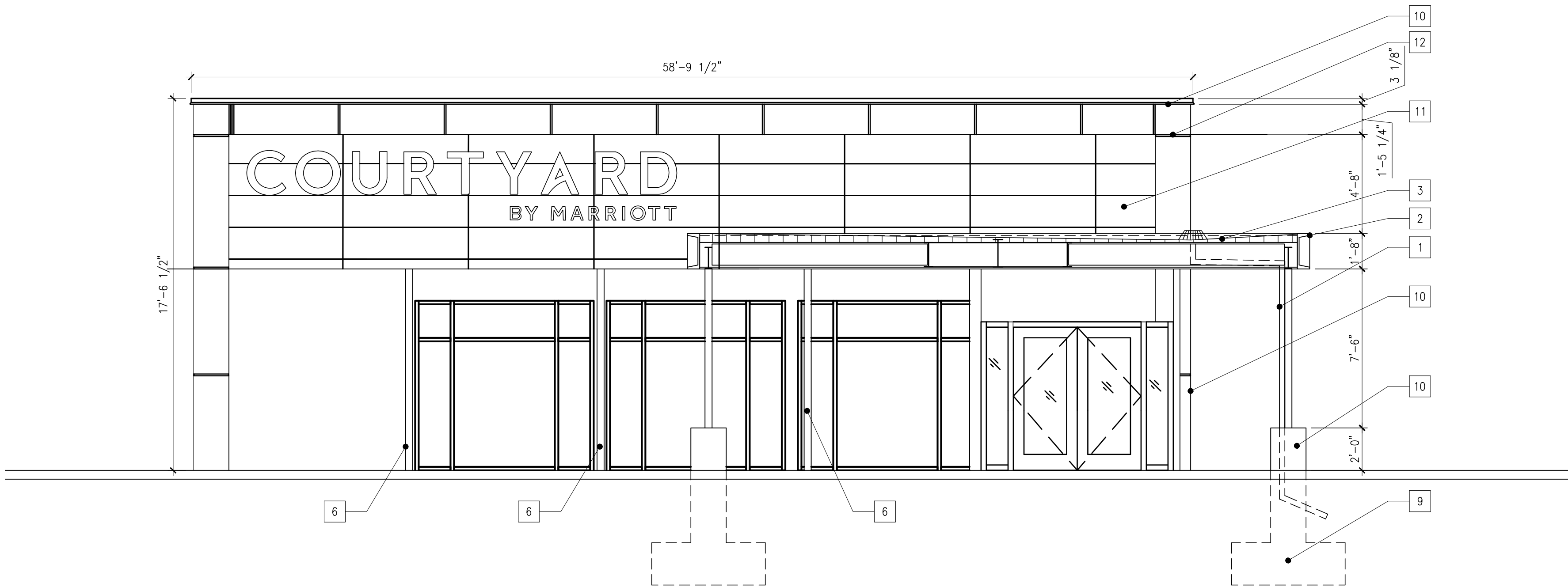
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c:\p\project



2

PORTE COCHERE - SECTION

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



1

PORTE COCHERE - SECTION

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

X CODED NOTES

- 1 ROOF DRAIN. EXTEND DRAINS DOWN AT COLUMN LOCATIONS DOWNSPOUTS TO TIE INTO SEWER SYSTEM. PAINT TO MATCH ADJACENT MT-4 FINISH
- 2 OVERFLOW SPOUT AT THE EDGE OF CANOPY. COORDINATE STRUCTURE WITH PONDING BASE ON HEIGHT OF OVERFLOW SCUPPER
- 3 SINGLE PLY MEMBRANE ROOF OVER TAPERED INSULATION SLOPED PER CODE
- 4 EXISTING STRUCTURE TO REMAIN, TYP. SEE STRUCTURAL DRAWINGS
- 5 GWB CEILING W/ METALLIC PAINT. MATCH MT4
- 6 CONFIRM EXISTING COLUMN CAN BE EXPOSED AND FINISHED WITH MT-4 INTUMESCENT PAINT. IF NOT POSSIBLE, MAINTAIN FIRE RATING AND COVER WITH PREFINISHED BREAKMETAL WRAP TO MATCH MT-4.
- 7 EDGE FLASHING
- 8 METAL CHANNEL
- 9 EXISTING TO REMAIN
- 10 NEW EIFS
- 11 NEW WALL WITH NICHHA CEDAR WALL CLADDING & SHEATHING, 1" INSULATION
- 12 EIFS REVEALS

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COA #144100
Expiration Date 6/30/2020
COA #144100

Consultants:

Submissions:

2019.12.03: PERMIT SET

COURTYARD MARRIOTT - EXTERIOR

5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/2/2019 3:30 PM

Drawing Size 24x36	Project #: 19139
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Drawn By: CVE	Checked By: RQ
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Title:
ENLARGED
PORTE COCHERE
ELEVATION AND
SECTION

Sheet Number:

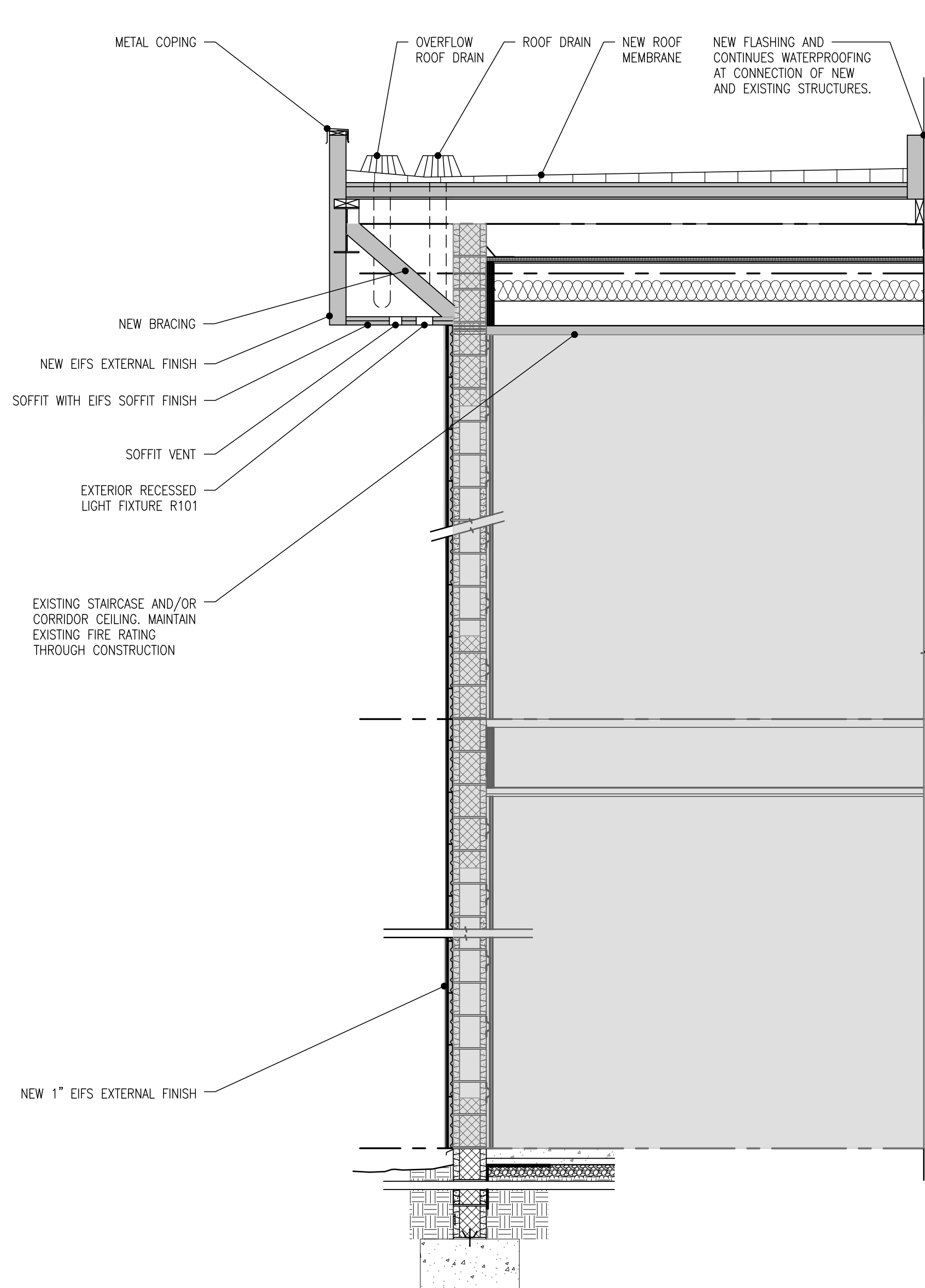
A4.1.2

Date: November 6, 2019

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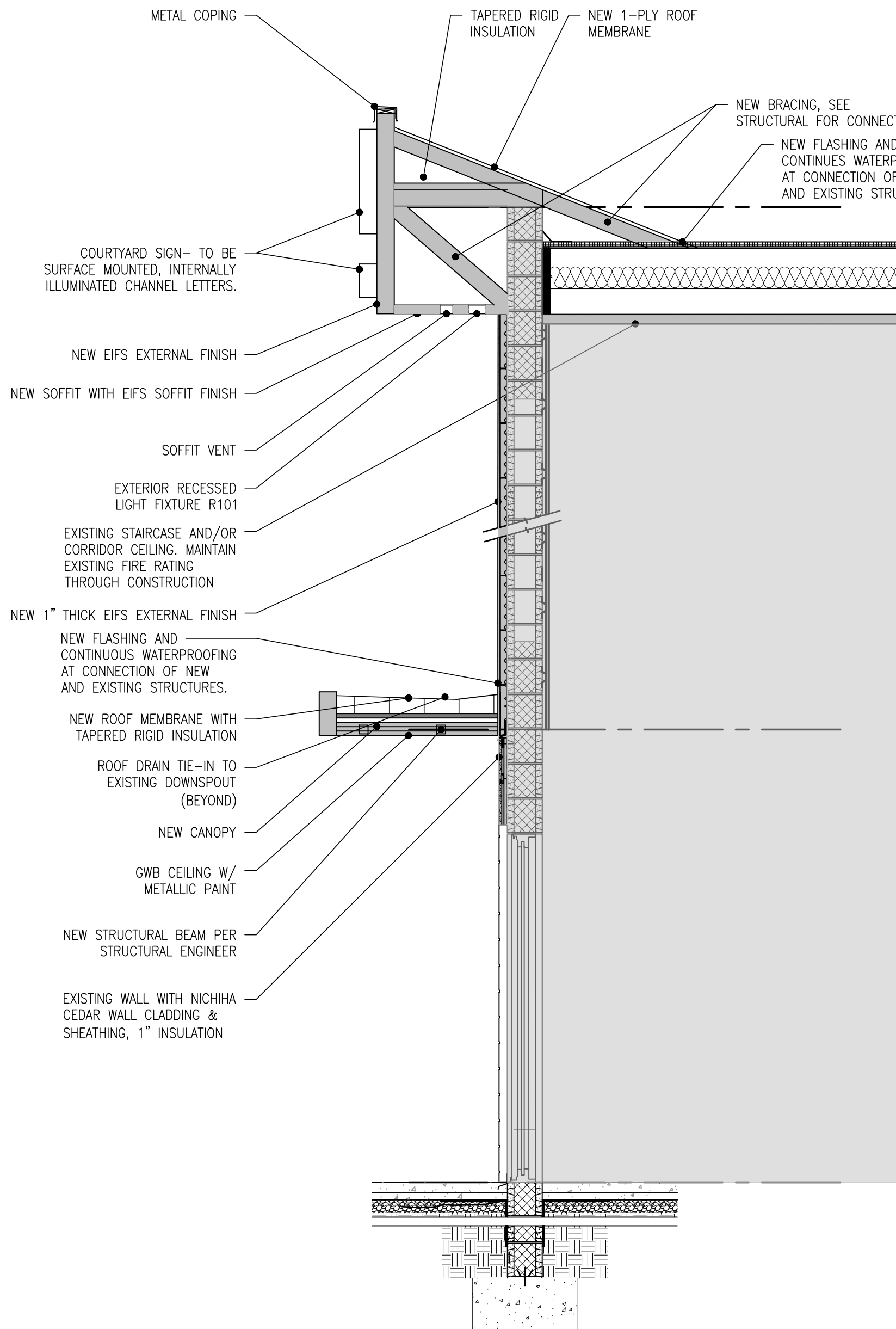
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3

STAIR SECTION

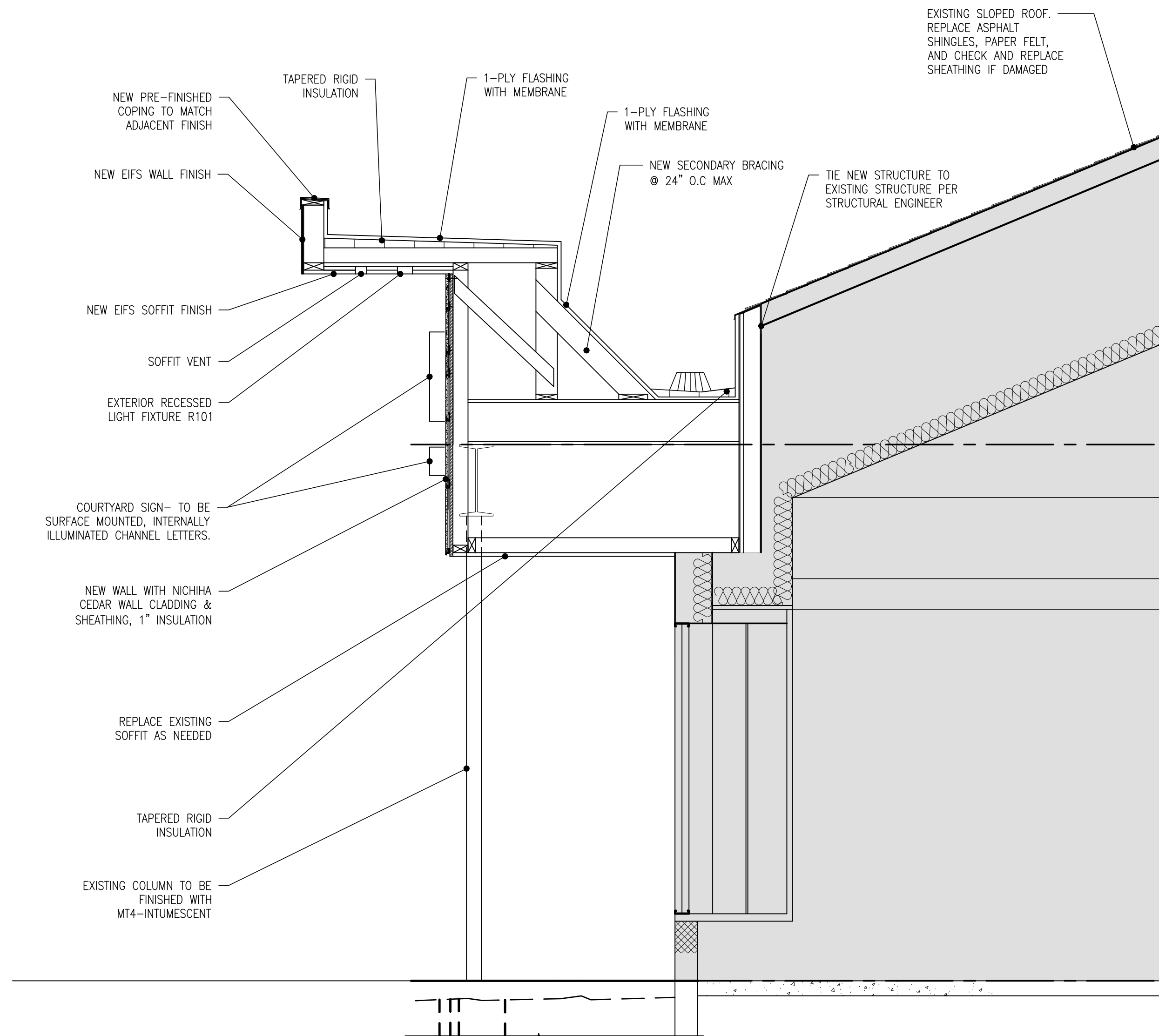
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2

STAIR SECTION W/ OVERHANG

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



1

FRONT FEATURE FRAME

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

ARCHITECT:

K2M
DESIGN

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Specialty Consulting

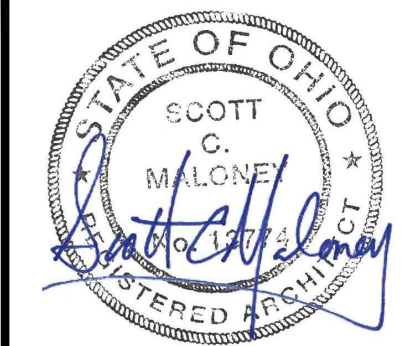
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Exp. 6/30/2020
COA # 144102

Consultants:

Submissions:

2019.12.03 PERMIT SET

COURTYARD MARRIOTT - EXTERIOR

5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/2/2019 3:31 PM

Drawing Size: 24x36 | Project #: 19139

Drawn By: Cve | Checked By: RQ

Title: WALL SECTIONS

Sheet Number:

A4.1.3

Date: November 6, 2019

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ELECTRICAL SPECIFICATIONS

DIVISION 26 - ELECTRICAL

I. GENERAL PROVISIONS

A. GENERAL CONDITIONS, CODES & STANDARDS

- GENERAL CONDITIONS OF THE CONTRACT FOUND IN THE ARCHITECTURAL DRAWINGS, GENERAL AND SPECIAL CONDITIONS OF THE AMERICAN INSTITUTE OF ARCHITECTS (AIA) AND ANY OF THE OWNER'S GENERAL REQUIREMENTS SHALL APPLY UNLESS NOTED OTHERWISE.
- REFER TO THE GENERAL CONDITIONS ON THE ARCHITECTURAL DOCUMENTS AND THE GENERAL AND SPECIAL CONDITIONS OF THE AIA FOR ADDITIONAL REQUIREMENTS REGARDING: SAFETY, COORDINATION & COOPERATION, WORKMANSHIP, PROTECTION, CUTTING AND PATCHING, DAMAGE TO OTHER WORK, PRELIMINARY OPERATIONS, STORAGE, ADJUSTMENTS, CLEANING, ETC.
- ALL WORK SHALL BE IN CONFORMANCE WITH ALL LOCALLY ENFORCED, FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES INCLUDING ANY SPECIAL THE OWNER REQUIREMENTS IN ADDITION TO THOSE SPECIFIED. NFPA 70 (NEC) SHALL BE THE MINIMUM STANDARD OF CODE COMPLIANCE.
- CONTRACTOR SHALL PAY FOR AND OBTAIN ALL NECESSARY LICENSES, PERMITS AND INSPECTIONS REQUIRED TO PROCEED WITH THE WORK. THIS SHALL INCLUDE ALL REQUIRED COORDINATION WITH THE LOCAL UTILITY COMPANIES AND THEIR ASSOCIATED FEES OR COSTS.

B. SCOPE OF WORK

- THIS CONTRACT SHALL INCLUDE THE FURNISHING, INSTALLING, CONNECTING, AND OPERATION OF ALL EQUIPMENT WHICH IS A PART OF THE ELECTRICAL SYSTEMS AS SHOWN ON THE DRAWINGS AND AS REQUIRED BY SIMILAR INSTALLATIONS. ANY MATERIAL OR LABOR WHICH IS NEITHER SHOWN ON THE DRAWINGS NOR CALLED FOR IN THE SPECIFICATIONS, BUT WHICH IS OBVIOUSLY NECESSARY TO COMPLETE THE WORK AND WHICH IS USUALLY INCLUDED IN WORK OF A SIMILAR CHARACTER SHALL BE FURNISHED AND INSTALLED UNDER THIS CONTRACT AT NO ADDITIONAL COST TO THE OWNER. CONTRACTOR SHALL PROVIDE ALL LABOR AND MATERIALS REQUIRED TO PROVIDE THE OWNER A COMPLETE, CODE APPROVED AND OPERATIONAL ELECTRICAL SYSTEM.
- CAREFULLY READ SPECIFICATION FOR ALL PARTS OF THE WORK SO AS TO BECOME FAMILIAR WITH ALL TRADES' WORK SCOPE. CONSULT WITH OTHER TRADES TO LOCATIONS AND MEASUREMENTS FROM COLUMNS AND AVOID INTERFERENCES. ANY CONFLICT SHALL BE BROUGHT TO THE ATTENTION OF THE OWNER BEFORE WORK IS COMMENCED.
- CONTRACTORS SHALL BE HELD TO HAVE EXAMINED THE PREMISES AND SITE SO AS TO COMPARE THEM WITH THE DRAWINGS AND SPECIFICATIONS, NOTE THE EXISTING CONDITIONS AND OTHER WORK THAT WILL BE REQUIRED, AND THE NATURE OF THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED. NO ALLOWANCE SHALL BE MADE TO THE CONTRACTOR BY REASON OF THIS FAILURE TO HAVE MADE SUCH EXAMINATION OR OF ANY ERROR ON HIS PART.
- ALL EXISTING UTILITY AND ELECTRICAL SERVICES SHALL BE FIELD VERIFIED. CORRECTIONS TO THE DESIGN AND INSTALLATION SHALL BE MADE WITHOUT ADDITIONAL COST TO THE OWNER.
- PROVIDE ALL CUTTING AND PATCHING REQUIRED FOR INSTALLATION OF ELECTRICAL WORK. ALL CORE DRILLING OR CUTTING OF FIRE RATED FLOORS, SHAFTS, AND WALLS SHALL BE FIRESTOPPED PRIOR TO FINISH PATCHING. ALL PENETRATIONS SHALL BE FIRE SEALED TO MATCH THE FIRE RATING OF THE FLOORS, SHAFTS, AND WALLS PENETRATED.
- TEMPORARY ELECTRICAL SERVICE, LIGHTING, AND RELATED WIRING SHALL BE PROVIDED TO OSHA REQUIREMENTS FOR THE USE OF ALL TRADES DURING CONSTRUCTION.
- TEMPERATURE AND INTERLOCK CONTROL COMPONENTS AND ALL RELATED WIRING AND CONDUIT SHALL BE PROVIDED BY THE MECHANICAL CONTRACTOR UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
- THIS CONTRACT SHALL ALSO INCLUDE ALL LABOR, MATERIALS AND MISCELLANEOUS EXPENSES REQUIRED FOR ALL REQUIRED ELECTRICAL DEMOLITION OF THE EXISTING AREAS BEING RENOVATED.
 - THE DEMOLITION SHALL CONSIST OF THE COMPLETE REMOVAL (PROPERLY DISPOSED OFF SITE UNLESS OTHERWISE NOTED) OF ALL ELECTRICAL EQUIPMENT, WIRING, CONDUIT, MATERIALS, ETC. NOT REQUIRED IN THE FINAL DESIGN AND INSTALLATION OF THE ELECTRICAL SYSTEMS FOR THE NEW RENOVATED AREAS.
 - ALL UNDERGROUND SERVICES NOT BEING REUSED SHALL BE CAPPED BELOW THE FLOOR, WIRING REMOVED, AND FLOOR PENETRATIONS REPAIRED TO MATCH ADJACENT SURFACES.
 - ALL ABOVE GROUND CIRCUITS SHALL BE REMOVED BACK TO THE SOURCE UNLESS INDICATED OTHERWISE.
 - COORDINATE ALL DEMOLITION WITH THE ARCHITECTURAL DOCUMENTS, THE ARCHITECT, AND THE OWNER'S GENERAL REQUIREMENTS.
- THE GENERAL CONTRACTOR SHALL VERIFY SITE LIGHTING BASE DETAILS WITH STRUCTURAL ENGINEER TO VERIFY APPLICABILITY OF POLE/FIXTURE BASE WITH LOCAL SOIL CONDITIONS.
- ALL WORK INCLUDING, BUT NOT LIMITED TO PARTS, MATERIAL, EQUIPMENT AND LABOR SHALL BE GUARANTEED FOR ONE YEAR AFTER ACCEPTANCE BY THE ENGINEER AND OWNER. WHERE AN EQUIPMENT MANUFACTURER HAS A WARRANTY THAT EXCEEDS ONE YEAR, THAT WARRANTY PERIOD SHALL APPLY TO THIS PROJECT.

C. DOCUMENTS

- THE DRAWINGS ARE DIAGRAMMATIC; ALL WORK SHALL BE PERFORMED AS INDICATED ON THE DRAWINGS UNLESS EXISTING CONDITIONS OR COORDINATION ISSUES REQUIRE CHANGES. THESE CHANGES SHALL BE MADE WITH NO ADDITIONAL COST TO THE OWNER.
- ANY INCIDENTAL ITEMS OR LABOR, ETC. NOT INCLUDED IN THE SPECIFICATIONS OR THE DRAWINGS BUT REASONABLY IMPLIED AS NECESSARY FOR THE COMPLETE INSTALLATION OF ALL APPARATUS SHALL BE INCLUDING IN BID.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO SUPPLEMENT EACH OTHER AND ANY MATERIAL OR LABOR CALLED FOR IN ONE SHALL BE FURNISHED EVEN THOUGH NOT MENTIONED IN BOTH.
- IF ERRORS ARE FOUND IN THE DRAWINGS OR SPECIFICATIONS OR DISCREPANCIES OCCUR BETWEEN THE SAME, OR BETWEEN THE FIGURES ON THE DRAWINGS, AND THE SCALE OF SAME OR BETWEEN THE LARGER AND SMALLER DRAWINGS, OR IN THE DESCRIPTIVE MATTER ON THE DRAWINGS SHALL BE REFERRED TO THE OWNER FOR REVIEW AND FINAL DECISION PRIOR TO THE BID DUE DATE.
- THE BIDDING OF THIS WORK WILL CONTEMPLATE THE USE OF EQUIPMENT AND MATERIALS EXACTLY AS SPECIFIED HEREIN. WHERE MORE THAN ONE MANUFACTURER IS MENTIONED ANY ONE MAY BE UTILIZED. SUBSTITUTIONS MANUFACTURERS MAY BE OFFERED ONLY AS AN ALTERNATE TO THE SPECIFIED EQUIPMENT AND MATERIAL AND MUST BE SUBMITTED AS SPECIFIED IN THE ARCHITECTURAL DOCUMENTS.
- MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THE SYSTEMS CAN BE OF ANY RECOGNIZED MANUFACTURE PROVIDED THESE ITEMS MEET MINIMUM STANDARDS AS SET IN THESE SPECIFICATIONS. REFER TO EACH SECTION FOR ANY SPECIFIC REQUIREMENTS.

D. COORDINATION

- CONTRACTOR SHALL LOCATE, IDENTIFY AND PROTECT ANY EXISTING SERVICES WHICH ARE REQUIRED TO BE MAINTAINED OPERATIONAL AND SHALL EXERCISE EXTRA CAUTION IN THE PERFORMANCE OF ALL WORK TO AVOID DISTURBING SUCH FACILITIES. ALL COSTS FOR REPAIR OF DAMAGES TO SUCH SERVICES SHALL BE PAID BY THE CONTRACTOR

- CAUSING THE DAMAGE.
- EACH CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL DAMAGE TO OTHER WORK CAUSED BY HIS WORK OR THROUGH THE NEGLECT OF HIS, OR HIS SUB-TRADES PERSONNEL. ALL PATCHING, REPAIRING, REPLACEMENT AND PAINTING, ETC. SHALL BE DONE AS DIRECTED BY THE OWNER BY THE CRAFTSMEN OF THE TRADES INVOLVED. THE COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR CAUSING THE DAMAGE.
- IT IS ESSENTIAL THAT ALL WORK AT THE PROJECT BE DONE AT SUCH TIME AND IN SUCH MANNER AS NOT TO INTERFERE WITH THE OPERATIONS OF THE SPACE, ADJACENT SPACES, OR FACILITY. A WORK SCHEDULE SHALL BE ARRANGED WITH THE OWNER, INCLUDING PREMIUM TIME WORK TO FACILITATE WORK WITH A MINIMUM OF INTERFERENCE TO THE OWNERS OPERATIONS.

E. METHODS

- EXCAVATIONS SHALL BE MADE IN OPEN TRENCHES. FLOORS SHALL BE SAW CUT. CONDUIT SHALL BE LAID ON AN APPROPRIATELY GRADED 6" BED OF CLEAN AND DRY SAND. ENGINEERED FILL SHALL BE USED TO BACKFILL TO 6" ABOVE THE CONDUIT. BACKFILL THE REMAINDER OF THE TRENCH UTILIZING THE EXCAVATED MATERIAL IF APPROVED BY THE ARCHITECT OR THE OWNER. IF THE EXCAVATED MATERIALS ARE NOT ACCEPTABLE, ENGINEERED FILL, ACCEPTABLE TO THE ARCHITECT SHALL BE UTILIZED TO BACKFILL THE REMAINDER OF THE TRENCH. BACKFILL SHALL BE ACCOMPLISHED IN 9" LIFTS WITH ALL LIFTS COMPACTED TO 95% PROCTOR. PATCH FLOOR TO MATCH EXISTING.
- EQUIPMENT, CONDUIT, ETC. SHALL NOT BE SUPPORTED FROM ANY CEILINGS, OTHER PIPING, OTHER CONDUIT OR DUCTWORK, ROOF DECK, OR JOIST BRIDGING. ITEMS SHALL BE SUPPORTED FROM ACCEPTABLE STRUCTURAL BUILDING COMPONENTS AS DETERMINED BY THE ARCHITECT AND STRUCTURAL ENGINEER.
- ALL ROOF PENETRATIONS, FLASHINGS AND COUNTER FLASHINGS SHALL BE PERFORMED BY THE OWNER'S ROOFING CONTRACTOR AT THE REQUESTING CONTRACTORS COST.

F. SUBMITTALS

- SHOP DRAWINGS SHALL BE PROVIDED TO THE ARCHITECT OF ALL EQUIPMENT AND ACCESSORIES PROVIDED FOR THE PROJECT. WHETHER SPECIFIED HEREIN OR ON THE DRAWINGS. REVIEW OF THE SHOP DRAWINGS SHALL BE FOR GENERAL DESIGN CONCEPT AND ADHERENCE WITH THE SPECIFICATIONS. QUANTITY OF SHOP DRAWINGS SUBMITTED SHALL BE AS SPECIFIED BY THE ARCHITECT. SHOP DRAWINGS SHALL BE PREPARED BY THE CONTRACTOR SHOWING LOCATIONS AND MEASUREMENTS FROM COLUMNS OF ALL CONCEALED AND EXPOSED PIPING, DUCTWORK, CONDUIT, EQUIPMENT, ACCESSORIES, ETC., AND SUBMITTED PRIOR TO INSTALLATION. THE OWNER MAY MAKE REPRODUCIBLE COPIES OF THEIR DRAWINGS AVAILABLE FOR USE IN PREPARATION OF SHOP DRAWINGS, HOWEVER THE OWNER SHALL NOT BE HELD RESPONSIBLE FOR NOT CONFIRMING ALL INFORMATION ON THE DRAWINGS PRIOR TO FABRICATION AND/OR INSTALLATION.
- PROJECT RECORD DOCUMENTS - MAINTAIN AT THE JOBSITE ONE COPY OF ALL CONTRACT DOCUMENTS CLEARLY MARKED AS "PROJECT RECORD COPY". THESE DRAWINGS ARE TO BE MAINTAINED IN GOOD CONDITION, UPDATED DAILY FOR CHANGES ENCOUNTERED AND AVAILABLE AT ALL TIMES FOR INSPECTION BY THE OWNER. DO NOT USE FOR FIELD CONSTRUCTION! PROJECT RECORD DOCUMENTS ARE TO BE KEPT CURRENT WITH EXACT DIMENSIONS OF ALL WORK, EQUIPMENT, DISTRIBUTION CONDUIT, CIRCUITS, ETC. MARK ALL INFORMATION IN RED LINES AND NOTES SO AS TO BE EASILY IDENTIFIED FROM THE BASE DRAWING. UPON COMPLETION OF THE WORK, ONE SET OF THESE DOCUMENTS SHALL BE TURNED OVER TO THE OWNER AS ONE QUALIFICATION FOR FINAL PAYMENT.
- THREE COMPLETE SETS OF AS-BUILT DOCUMENTATION SHALL BE PROVIDED. IT SHALL INCLUDE, BUT NOT BE LIMITED TO ACCURATE PLAN DRAWINGS, WIRING DIAGRAMS AND OPERATION AND MAINTENANCE MANUALS.

II. PRODUCTS

A. CONDUIT

- CONDUIT SHALL BE HEAVY WALL RIGID GALVANIZED STEEL WHERE EXPOSED AND SUBJECT TO DAMAGE, 8'-0" AFF AND BELOW, AND IN WET LOCATIONS WHERE INDICATED ON THE DRAWINGS. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC AND SHALL BE CONCRETE ENCASED (3" MINIMUM) WHERE INDICATED ON THE DRAWINGS. A TRANSITION SHALL BE MADE TO HEAVY WALL RIGID GALVANIZED STEEL BEFORE PVC CONDUITS PENETRATE THE FLOOR SLAB. INTERIOR CONDUITS SHALL BE ELECTRICAL METALLIC TUBING (EMT), METAL CLAD (MC) CABLE MAY BE USED IF APPROVED BY THE OWNER, AND INSTALLED IN LOCATIONS PERMITTED BY CODE.
- FLEXIBLE METAL CONDUIT SHALL BE USED FROM OUTLET BOX TO INDIVIDUAL RECESSED LIGHT FIXTURES, AND FOR FINAL CONNECTIONS TO MOTORS AND OTHER DEVICES SUBJECT TO VIBRATION.

B. CONDUIT FITTINGS AND BOXES

- INTERIOR OUTLET BOXES SHALL BE STANDARD GALVANIZED SHEET STEEL TYPE, NOT LESS THAN 14 GAUGE IN THICKNESS, WITH KNOCKOUT OPENINGS, EXTENSIONS, PLASTER RINGS AND COVER PLATES TO ACCOMMODATE THE DEVICES INSTALLED. COVER PLATES SHALL BE SMOOTH PLASTIC TO MATCH DEVICE COLOR. USE STEEL PLATES WITH ROUNDED CORNERS FOR SURFACE BOXES. OUTDOOR (WET LOCATION) OUTLET BOXES SHALL BE CAST ALUMINUM TYPE WITH DEVICE COVERS TO SUIT.
- OUTLET BOXES SHALL NOT BE LESS THAN 4 INCHES SQUARE, 1-1/2 INCHES DEEP
- COUPLINGS AND CONNECTORS FOR EMT SHALL BE DIE CAST ZINC OR STEEL. BUSHING SHALL BE GROUNDING TYPE WITH INSULATING PLASTIC INSERT.

C. WIRE AND CABLE

- CONDUCTORS FOR POWER AND LIGHTING SHALL BE NEW 600-VOLT, 90°C, TYPE XHHW, THHN, OR THWN INSULATION, MINIMUM SIZE #12-AWG, EXCEPT FOR CONTROL WIRING WHICH MAY BE #14-AWG. OTHER SIZES SHALL BE AS NOTED ON THE DRAWINGS. CONDUCTORS SHALL BE CONDUCTED UNLESS OTHERWISE APPROVED BY THE OWNER.
- BRANCH CIRCUIT RUNS EXCEEDING 100 FEET IN TOTAL LENGTH FROM THE PANELBOARD TO THE LAST DEVICE, SHALL BE #10-AWG CONDUCTORS UNLESS OTHERWISE NOTED.
- COMPRESSION TYPE LUGS AND CONNECTORS SHALL BE USED FOR ALL TERMINATIONS AND SPLICES.
- ALL LOW VOLTAGE COMMUNICATIONS, FIRE ALARM, DATA, SECURITY, TELEPHONE AND ALL OTHER MISCELLANEOUS LOW VOLTAGE WIRING INSTALLED IN CEILING SHALL BE PLENUM RATED. USE CAT6 CABLE FOR ETHERNET COMMUNICATIONS.

D. WIRING DEVICES

- DUPLEX RECEPTACLES SHALL BE GROUNDING TYPE, NEMA 5-20R, RATED FOR 20 AMPS, 125 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING.
- GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLES SHALL BE PROVIDED WHERE INDICATED.
- SWITCHES SHALL BE TOGGLE OPERATED, QUIET TYPE, RATED FOR 20 AMPS, 120/277 VOLTS, WITH PROVISIONS FOR BACK AND SIDE WIRING. THREE WAY AND FOUR WAY SWITCHES SHALL BE PROVIDED WHERE

- INDICATED.
- DIMMERS SHALL BE LUTRON "NOVA T-STAR" SERIES, OF A RATING, VOLTAGE AND WATTAGE SUITABLE FOR LOAD SERVED.
- COILS OF HIS SUB-TRADES PERSONNEL. ALL PATCHING, REPAIRING, REPLACEMENT AND PAINTING, ETC. SHALL BE DONE AS DIRECTED BY THE OWNER BY THE CRAFTSMEN OF THE TRADES INVOLVED. THE COSTS OF SUCH WORK SHALL BE PAID BY THE CONTRACTOR CAUSING THE DAMAGE.

E. LIGHTING AND RECEPTACLE PANELBOARDS

- BRANCH CIRCUIT PANELBOARDS SHALL BE DEAD FRONT TYPE, WITH MAIN LUGS OR MAIN OVERCURRENT DEVICE AS INDICATED. BRANCH OVERCURRENT DEVICES AS NOTED AND AN EQUIPMENT GROUND BAR, ALL IN A SURFACE OR FLUSH MOUNTED SHEET STEEL ENCLOSURE. MINIMUM SHORT CIRCUIT CAPACITY SHALL BE 10,000 AMPS SYMMETRICAL FOR 120/208V, AND 18,000 AMPS SYMMETRICAL FOR 277/480V APPLICATION UNLESS NOTED OTHERWISE.
- CIRCUIT BREAKERS SHALL BE BOLT ON TYPE, WITH MOLDED PLASTIC CASE; 1, 2, OR 3 POLE AS INDICATED; QUICK-MAKE, QUICK-BREAK; AND THERMAL-MAGNETIC TRIP DEVICE.
- ALL BREAKERS FEEDING HVAC EQUIPMENT SHALL BE HACR RATED, UNLESS OTHERWISE NOTED.
- ALL BREAKERS IN RESIDENTIAL OCCUPANCIES SHALL BE ARC-FAULT TYPE, UNLESS OTHERWISE NOTED.
- PANELBOARDS SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS, AND CUTLER HAMMER.

F. DISTRIBUTION TRANSFORMERS

- TRANSFORMERS SHALL BE ENERGY SAVING TYPE, DRY TYPE, 115 DEGREE RISE WITH 2 TAPS ABOVE AND 4 TAPS BELOW NORMAL VOLTAGE. TRANSFORMERS SHALL BE AS MANUFACTURED BY SQUARE D, GENERAL ELECTRIC, SIEMENS, CUTLER HAMMER, AND ACME.

G. SAFETY SWITCHES AND MOTOR STARTERS

- SAFETY SWITCHES SHALL BE FUSIBLE OR NON-FUSIBLE AS INDICATED ON THE DRAWINGS. SWITCHES SHALL BE QUICK-MAKE, QUICK-BREAK, HEAVY DUTY VISIBLE BLADE TYPE. ENCLOSURES SHALL BE NEMA 1 TYPE UNLESS OTHERWISE INDICATED ON THE DRAWINGS. FUSES SHALL BE DUAL ELEMENT - TIME DELAY TYPE.
- MAGNETIC MOTOR STARTERS SHALL BE COMBINATION TYPE WITH THERMAL OVERLOAD, INTEGRAL FUSED SAFETY SWITCH, H-O-A SELECTOR SWITCH, CONTROL TRANSFORMER, RUNNING PILOT LIGHT, NEMA TYPE 1 ENCLOSURE, AND (2) NORMALLY OPEN AND (2) NORMALLY CLOSED AUXILIARY CONTACTS.
- ALL MOTORS OVER 1/8 HP SHALL BE PROVIDED WITH THERMAL OVERLOAD PROTECTION. OVERLOAD PROTECTION SHALL BE PROVIDED INTEGRAL WITH THE MOTOR WINDINGS AND/OR MOTOR CONTROLLER (PROVIDED BY OTHERS) UNLESS OTHERWISE INDICATED ON DRAWINGS.

H. LUMINAIRES AND LAMPS

- ALL LUMINAIRES SHALL BE SPECIFIED ON THE LUMINAIRE SCHEDULE.
- BALLASTS SHALL BE INSTANT START, ELECTRONIC TYPE, CLASS P, "A" SOUND RATING AND MAXIMUM HARMONIC CONTENT OF 10%. DIMMING BALLASTS SHALL BE 3-WIRE TYPE, WITH DIMMING CAPABILITY TO 10% OF RATED FULL OUTPUT.
- RECESSED LUMINAIRES WITH INCANDESCENT LAMPS SHALL BE PROVIDED WITH THERMAL PROTECTION.
- FLUORESCENT LAMPS SHALL BE 3500 K UNLESS NOTED OTHERWISE. INCANDESCENT LAMPS SHALL BE 130 VOLT. HIGH INTENSITY DISCHARGE LAMPS SHALL BE COATED.
- EMERGENCY LIGHTING AS INDICATED, SHALL PROVIDE A MINIMUM OF ONE FOOTCANDLE ALONG THE PATH OF EGRESS. EMERGENCY FIXTURE SUPPLIER SHALL PROVIDE FOOTCANDLE PRINTOUT TO VERIFY EMERGENCY LIGHT LEVELS.
- ALL FIXTURE / BALLAST / LAMP COMBINATIONS SHALL BE ENERGY SAVING TYPE.

III. EXECUTION

A. GENERAL MISCELLANEOUS

- ALL CONDUIT RUN IN FINISHED AREAS SHALL BE CONCEALED. CONDUIT SMALLER THAN 3/4" SHALL NOT BE USED FOR ANY CIRCUIT HOMERUNS.
- RACEWAYS EXPOSED TO DIFFERENT TEMPERATURES SHALL BE FILLED WITH AN APPROVED MATERIAL IN ACCORDANCE WITH ARTICLE 300.7 OF THE NATIONAL ELECTRICAL CODE.
- HANGERS, SUPPORTS, OR FASTENINGS SHALL BE PROVIDED AT EACH ELBOW, AT THE ENDS OF STRAIGHT RUNS TERMINATING AT BOXES OR CABINETS, AND AT INTERMEDIATE POINTS AS REQUIRED BY CODE. CONDUITS OR BOXES SHALL NOT BE SUPPORTED BY CEILING SUPPORT WIRES OR OTHER CEILING SUPPORTING HARDWARE.
- FIXTURE SUPPORTS SHALL BE IN ACCORDANCE WITH ARTICLE 410-30 OF THE NATIONAL ELECTRICAL CODE, OR ANY LOCAL CODES WHICH MY APPLY.
- PROVIDE PERMANENT NAMEPLATES WITH DESIGNATIONS FOR PANELBOARDS, FEEDER DEVICES, DISTRIBUTION EQUIPMENT AND STARTERS.
- PROVIDE TYPEWRITTEN DIRECTORY CARDS WITH BRANCH CIRCUIT IDENTIFICATION FOR BRANCH CIRCUIT PANELBOARDS, PANELBOARDS, FEEDER DEVICES, DISTRIBUTION EQUIPMENT AND STARTERS SHALL BE FIELD MARKED TO WARN QUALIFIED PERSONS OF POTENTIAL ELECTRIC ARC FLASH HAZARDS IN ACCORDANCE WITH NEC 110.16.
- INSTALL HANDLE GUARDS ON ALL BREAKERS FOR NIGHT LIGHTING, EMERGENCY AND SIMILAR CIRCUITS.
- THE ELECTRICAL CONTRACTOR SHALL BALANCE PANELBOARD LOADING TO WITHIN 10% ON EACH PHASE BASED ON INSTALLED CONDITIONS. LOAD BALANCING CIRCUIT CHANGES SHALL BE PERFORMED OUTSIDE THE NORMAL OCCUPANCY WORKING SCHEDULE AND AT A TIME DIRECTED BY LANDLORD.
- ALL FLUSH MOUNTED PANELBOARDS SHALL HAVE (3) 3/4" EMPTY CONDUITS INSTALLED TO ABOVE ACCESSIBLE CEILING FOR FUTURE USE.
- THE FINAL LOCATIONS OF ALL EQUIPMENT, OUTLETS, ETC. SHALL BE SUBJECT TO REASONABLE CHANGES IN LOCATION UP TO THE TIME OF ROUGHING-IN, AT NO ADDITIONAL COST TO THE OWNER.
- CONTACT ELECTRIC POWER COMPANY AND MAKE NECESSARY ARRANGEMENTS FOR ELECTRIC SERVICE.
- CONTACT TELEPHONE COMPANY AND MAKE NECESSARY ARRANGEMENTS FOR TELEPHONE SERVICE.
- AT ALL TIMES KEEP PREMISES AND BUILDING IN A NEAT AND ORDERLY CONDITION, FOLLOWING OWNER'S INSTRUCTION IN REGARD TO STORING OF MATERIALS, PROTECTIVE MEASURES AND DISPOSING OF DEBRIS.
- RACEWAYS BELOW DRIVEWAYS, PARKING LOTS, AND ANY RACEWAYS INSTALLED BELOW GRADE SHALL BE INSTALLED A MINIMUM OF 24" BELOW FINISHED GRADE PER NEC 300-5.

B. GROUNDING

- GROUND ALL CONDUITS, CABINETS, MOTORS, PANELS, AND OTHER EXPOSED NON-CURRENT CARRYING PARTS OF ELECTRICAL EQUIPMENT IN ACCORDANCE WITH NEC ARTICLE 250.
- BOND METAL WATER PIPING AND OTHER METAL PIPING (INCLUDING GAS PIPING) AND EXPOSED STRUCTURAL METAL IN ACCORDANCE WITH NEC ARTICLE 250.
- GROUNDING OF THE ELECTRICAL SYSTEM SHALL BE BY MEANS OF AN INSULATED GROUNDING CONDUCTOR INSTALLED WITH ALL FEEDERS AND BRANCH CIRCUIT CONDUCTORS IN ALL CONDUITS.

ABBREVIATIONS	
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHJ	AUTHORITY HAVING JURISDICTION
AHU	AIR HANDLING UNIT
AL	ALUMINUM
BAS	BUILDING AUTOMATION SYSTEM
BFF	BELOW FINISHED FLOOR
CU	COPPER
DDC	DIRECT DIGITAL CONTROL
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
ETR	EXISTING TO REMAIN
EWC	ELECTRIC WATER COOLER
GC	GENERAL CONTRACTOR
GFCI/GFI	GROUND FAULT CIRCUIT INTERRUPTER
GR	GROUND
IG	ISOLATED GROUND
HD	HAND DRYER
LTG	LIGHTING
MAX	MAXIMUM
MC	MECHANICAL CONTRACTOR
MCB	MAIN CIRCUIT BREAKER
MFR	MANUFACTURER
MIN	MINIMUM
MLO	MAIN LUG ONLY
NL	NIGHT LIGHT
PC	PLUMBING CONTRACTOR
PNLBD	PANELBOARD
RC	REFRIGERATION CONTRACTOR
RCPSTs	RECEPTACLES
REF	REFERENCE
RH	RADIANT HEATER
RTU	ROOF TOP UNIT
SC	SECURITY CAMERA
TYP	TYPICAL
UH	UNIT HEATER
UNO	UNLESS NOTED OTHERWISE
WH	WATER HEATER
WP	WEATHER PROOF COVERPLATE
WR	WEATHER RESISTANT RECEPTACLE
XFMR	TRANSFORMER

ELECTRICAL SYMBOLS	
(SYMBOLS APPLY ONLY WHEN USED ON DRAWINGS)	
SYMBOL	DESCRIPTION
	WALL SCONCE
	PENDANT LIGHT
	CEILING LIGHT FIXTURE
	CEILING LIGHT FIXTURE, NIGHT LIGHT
	DOWN LIGHT FIXTURE (STANDARD / NIGHT LIGHT)
	EXIT FIXTURE (WALL MOUNTED / CEILING MOUNTED) (SHADED QUADRANT DENOTES LIT FACE)
	UTILITY LIGHT
	TRACK LIGHT
	EMERGENCY FIXTURE
	SWITCH, SINGLE POLE
	SWITCH, OCCUPANCY SENSOR
	SWITCH, BI-LEVEL OCCUPANCY SENSOR
	OCCUPANCY SENSOR, CEILING MOUNTED
	SWITCH, 3-WAY
	SWITCH, 4-WAY
	SWITCH, DIMMER
	SWITCH, MANUAL MOTOR
	SWITCH, TIMER
	SWITCH, 3-WAY TIMER
	SWITCH, KEYED
	RECEPTACLE, DUPLEX
	RECEPTACLE, DUPLEX, ISOLATED GROUND
	RECEPTACLE, DOUBLE DUPLEX
	RECEPTACLE, DOUBLE DUPLEX, ISOLATED GROUND
	RECEPTACLE, SIMPLEX
	RECEPTACLE, SIMPLEX, TWIST LOCK
	RECEPTACLE, SIMPLEX, TWIST LOCK, ISOLATED GROUND
	RECEPTACLE, DUPLEX, TWIST LOCK
	RECEPTACLE, DUPLEX, TWIST LOCK, ISOLATED GROUND
	RECEPTACLE, SPECIAL
	RECEPTACLE, DUPLEX (CEILING MOUNTED / FLOOR MOUNTED)
	RECEPTACLE, DUPLEX, FLOOR MOUNTED, ISOLATED GROUND
	RECEPTACLE, SPECIAL, FLOOR MOUNTED
	RECEPTACLE, PLUG-MOLD
	JUNCTION BOX
	ALARM JUNCTION BOX
	REMOTE TEST/RESET JUNCTION BOX
	DISCONNECT (FUSED / NON-FUSED)
	CONDUIT SLEEVE
	PANEL (SURFACE / FLUSH MOUNTED)
	DATA (WALL / FLOOR MOUNTED)
	TELEPHONE (WALL / FLOOR MOUNTED)
	LOW VOLTAGE CABLE BOX FOR TV
	MOTOR
	TELEPOWER POLE
	PUSH BUTTON
	BUZZER
	SMOKE DETECTOR
	THERMOSTAT
	SPEAKER
	HORN / STROBE
	PANEL CIRCUIT HOMERUN
ANNOTATION	
	PLAN KEYNOTE
	CONNECTION POINT OF NEW WORK TO EXISTING
	DETAIL REFERENCE: UPPER NUMBER INDICATES DETAIL NUMBER, LOWER NUMBER INDICATES SHEET NUMBER
	SECTION CUT DESIGNATION

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1 ELECTRICAL DEMOLITION PLAN
1/16" = 1'-0"

GENERAL ALTERATIONS AND DEMOLITION NOTES

- CONFIRM WITH THE MANUFACTURERS OF EXISTING EQUIPMENT THAT IS TO BE REVISED OR EXTENDED. ENSURE THAT THE EXISTING EQUIPMENT COMPLIES WITH NEW WORK REQUIREMENTS.
- WHERE EXISTING ELECTRICAL WORK PREVENTS PROPER CONSTRUCTION OF NEW WORK AS INDICATED, REMOVE, REROUTE, RELOCATE, OR OTHER WAYS ALTER EXISTING WORK IN ORDER TO ACCOMMODATE.
- WHERE EXISTING CONDUIT, WIRE, SUPPORTS, HANGERS AND OTHER ELECTRICAL WORK MUST BE REMOVED AS A RESULT OF THE ALTERATIONS, THEY SHALL BE COMPLETELY REMOVED, BACK TO THE FIRST OUTLET WHICH IS LEFT UNAFFECTED BY THE REVISION. CONDUIT WHICH IS BURIED IN CONCRETE OR OTHERWISE INACCESSIBLY POSITIONED MAY BE ABANDONED. IN SUCH CASES, WIRE SHALL BE PULLED OUT OF THE CONDUIT AND THE CONDUIT ITSELF PLUGGED AT EACH END.
- EXISTING ELECTRICAL MATERIALS AND EQUIPMENT, INCLUDING LIGHTING FIXTURES, SWITCHES, RECEPTACLES, SIGNAL LIGHTS, SPEAKERS, INTERCOM EQUIPMENT, CONTROLS, CONDUIT OUTLETS, FITTINGS, AND OTHER DEVICES WHICH ARE REMOVED AS A RESULT OF THE ALTERATIONS SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STORED ON THE SITE AS DIRECTED, OR REUSED WHERE INDICATED.
- EXAMINE THE CONDITION OF SUCH MATERIALS AND EQUIPMENT TO MAKE A PRIOR DETERMINATION OF WHETHER IT IS SUITABLE FOR REUSE. PRESENT FINDINGS PERIODICALLY TO THE ENGINEER WHO IN TURN WILL MAKE THE FINAL DECISION REGARDING REUSABILITY ALL WIRE AND CABLE SHALL BE NEW.
- IN ORDER TO COORDINATE THE WORK OF THE MECHANICAL AND ELECTRICAL TRADES, COMPLETELY REMOVE ALL EXISTING ELECTRICAL WORK IN AND ABOVE CEILING OF THESE AREAS (AS DEFINED ON THE DRAWINGS), AFTER WHICH INSTALL NEW WORK AND REINSTALL EXISTING WORK TO REMAIN, AS SHOWN IN THE DRAWINGS. EXISTING LIGHTING FIXTURES AND OTHER EQUIPMENT SHALL BE REUSED ONLY WHERE INDICATED. IF FIXTURES MUST BE UTILIZED IN AREAS WITH NEW CEILING TILE, MAKE ARRANGEMENTS FOR CUTTING NEW TILE TO ACCOMMODATE FIXTURES.
- SOME EXCEPTIONS MAY ARISE WHEREIN EQUIPMENT, EITHER IN ALTERED AREAS OR OTHER AREA, MUST BE KEPT IN SERVICE, REQUIRING THAT FEEDERS, SIGNAL CONDUCTORS, CONDUITS, BOXES, ETC. SERVING SAME ALSO BE KEPT IN SERVICE. IN SUCH CASES, THOSE ELECTRICAL FEEDERS, SIGNAL CONDUCTORS, CONDUITS, ETC. SHALL BE REROUTED AND RECONNECTED BEFORE PRESENT WORK IS REMOVED. IF THIS IS NOT POSSIBLE, TEMPORARY WIRING SHALL BE PROVIDED TO ALLOW FOR INSTALLATION OF MECHANICAL WORK, AFTER WHICH NEW WORK SHALL BE INSTALLED AND TEMPORARY WIRING REMOVED.
- REMOVE OR REROUTE ALL ELECTRICAL FEEDERS, RISERS, BRANCH CIRCUITS AND OTHER WIRING AS REQUIRED BY THE ALTERATIONS. WIRING EXTENDING THROUGH REMODELED AREAS BUT SERVING LOADS WHICH MUST REMAIN SHALL BE REROUTED AS REQUIRED AND RECONNECTED TO THOSE LOADS.
- ANY ELECTRICAL EQUIPMENT THAT IS TAGGED TO BE DISPOSED OF SHALL BE DONE PER APPROVED METHOD ACCORDING TO LOCAL AUTHORITY.

KEYNOTES

- EXISTING LIGHT FIXTURE TO BE DEMOLISHED.
- REMOVE KEY CARD READER AND ASSEMBLY AT ENTRY DOORS AS REQUIRED FOR NEW WALL FINISHES. RECONNECT TO EXISTING CIRCUITRY WHEN ALTERATIONS ARE COMPLETE.
- REMOVE FROM EXTERIOR FACADE ALL WALL MOUNTED OR EMBEDDED LIGHTING FIXTURES/FLOOD LIGHTING, GROUND LIGHTING AND ITS ASSEMBLY.
- REMOVE LIGHT BOLLARDS. KEEP AND PROTECT EXISTING ELECTRICAL WIRING.

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Interior Design,
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Specialty Consulting

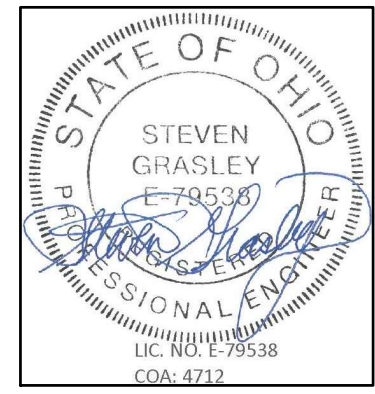
180 West Ostend Street, Ste 217
Baltimore, MD 21230

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SEAL:



Steven S. Grasley, License #E-79630
Expiration Date 6/30/2020

Consultants:

Submissions:

2019.12.03: PERMIT SET

COURTYARD MARRIOTT - EXTERIOR

5175 POST ROAD
DUBLIN, OH 43017

PLOTTED: 12/3/2019 10:47 AM

Drawing Size | Project #:
19139

Drawn By: S11 | Checked By: JMC

Title:
ELECTRICAL
DEMOLITION PLAN

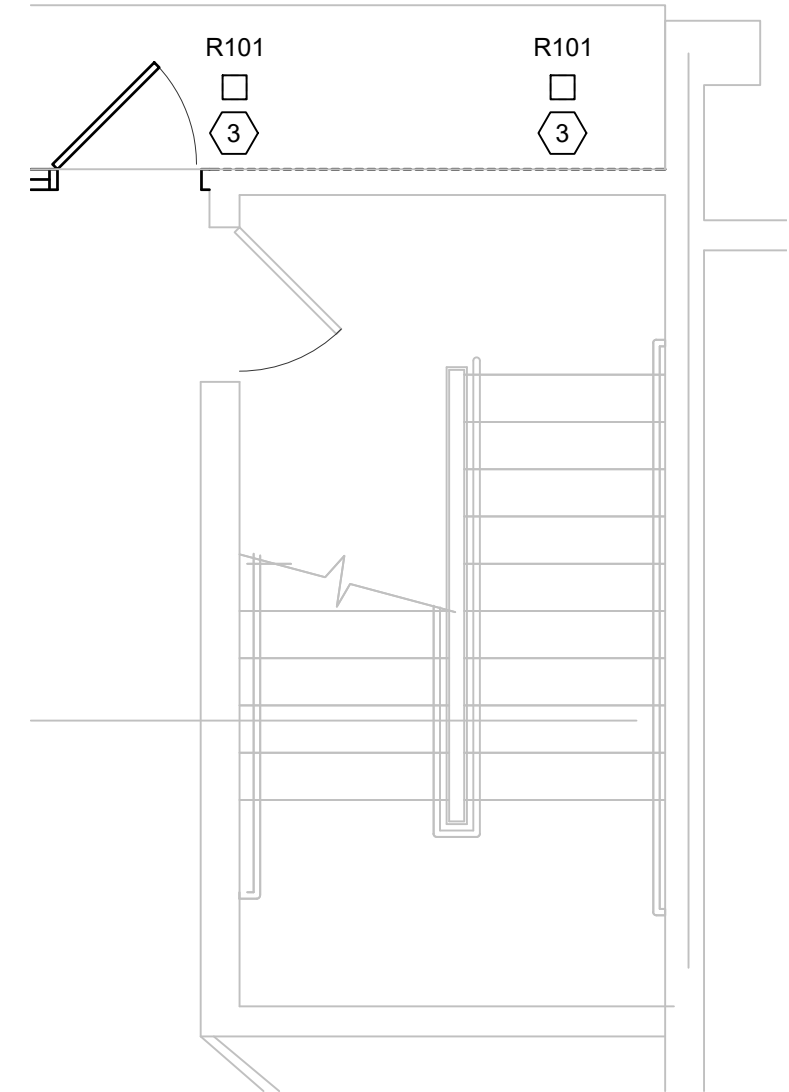
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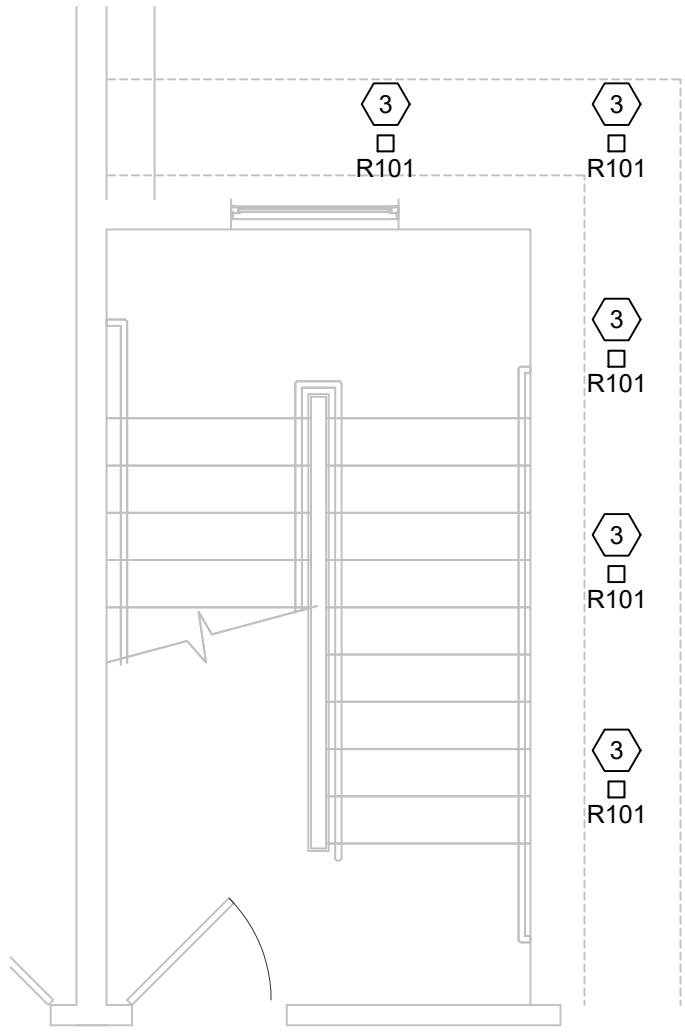
Date: November 6, 2019

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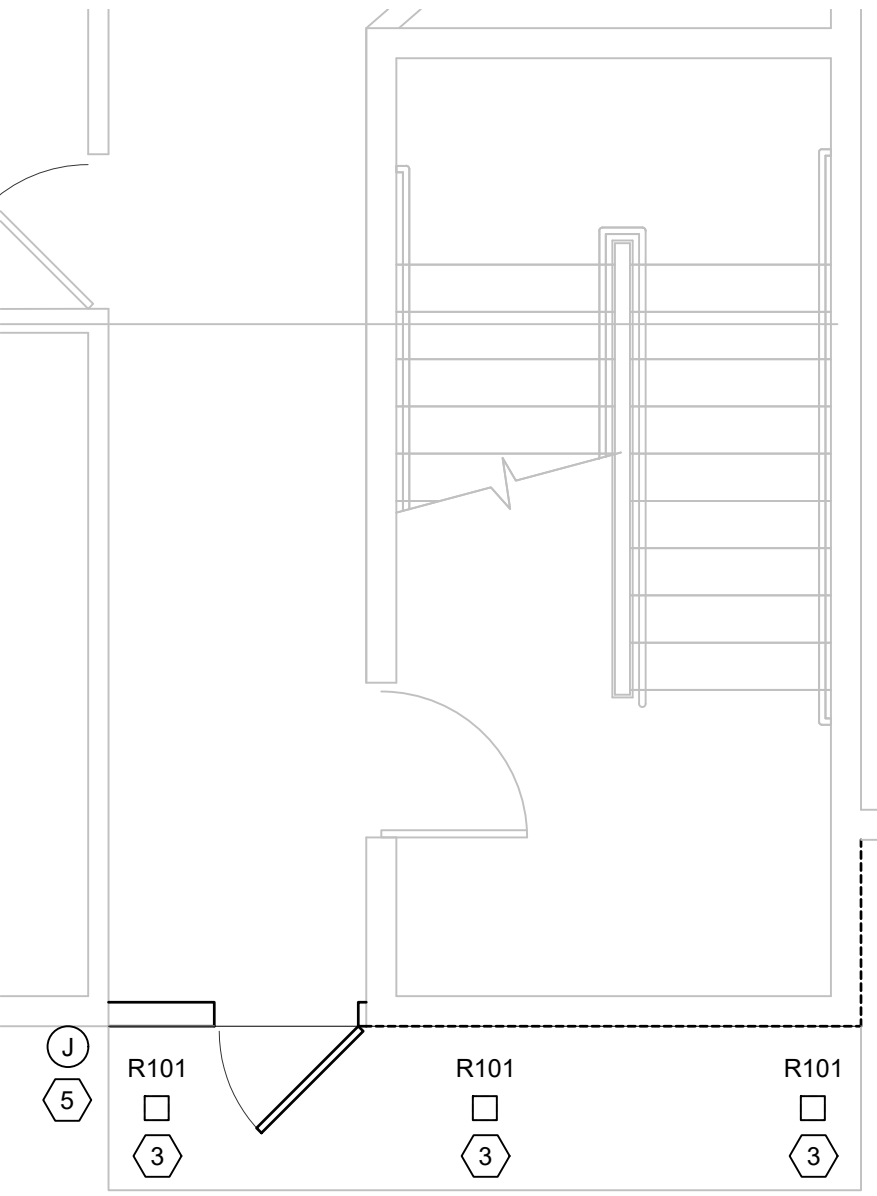
LIGHTING FIXTURE SCHEDULE								
TYPE	VENDOR	FURNISHED BY	CATALOG NUMBER	VOLTS	WATTS	LAMP	MOUNTING	DESCRIPTION
K04	EATON-LUMIERE	CONTRACTOR	303-W1-LED-B1-4K-UNV-T4-DIMELV-BK-EDGE	120/277	8.5	INTEGRAL LED	WALL	WALL SCONCE
R101	EATON-PORTFOLIO	CONTRACTOR	LDSQ4B20D010RT-EU4B10208040-4LSQB1MB-HB26	120/277	3	INTEGRAL LED	RECESSED	4" LED RECESSED DOWNLIGHT
Z106	EATON-LUMIERE	CONTRACTOR	303-B1-LED-B2-4000-UNV-T4-DIMELV-BK-42-EDGE	120/277	15.5	INTEGRAL LED		BOLLARD



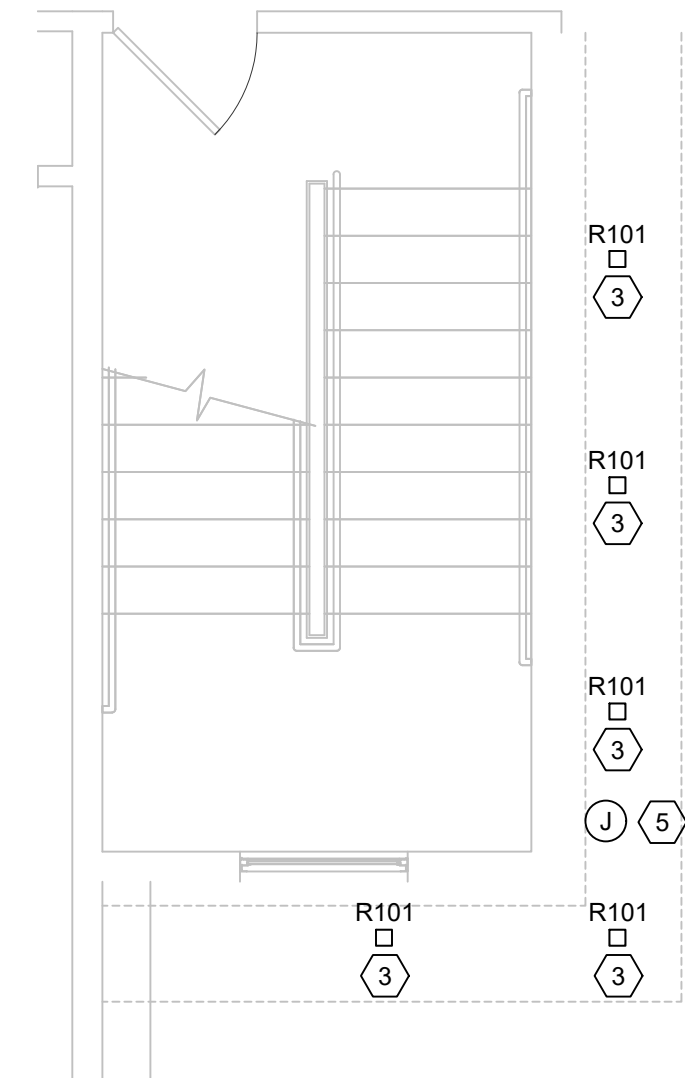
5 ENTRY ELECTRICAL PLAN
1/4" = 1'-0"



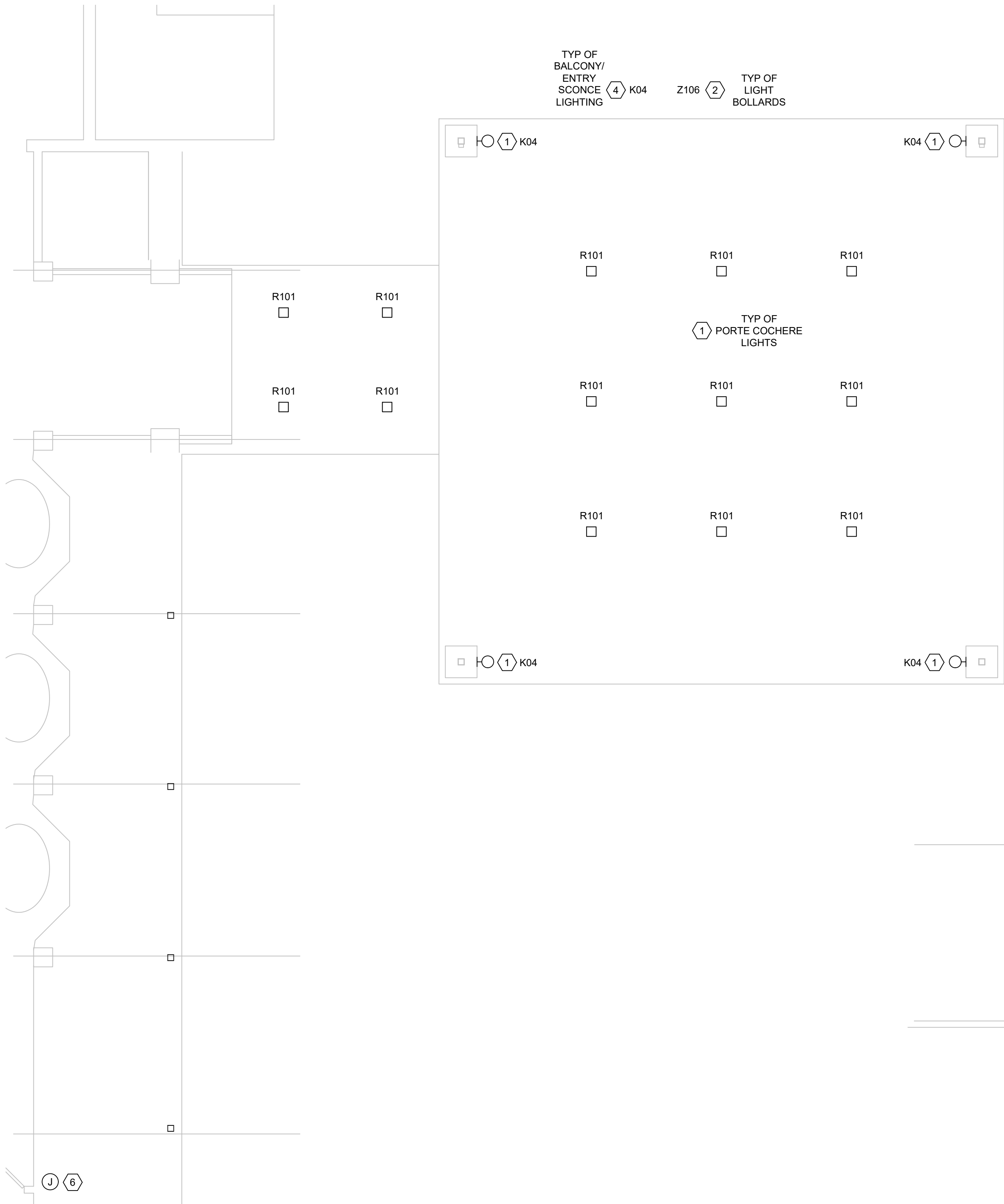
4 ENTRY ELECTRICAL PLAN
1/4" = 1'-0"



3 ENTRY ELECTRICAL PLAN
1/4" = 1'-0"



2 ENTRY ELECTRICAL PLAN
1/4" = 1'-0"



1 ELECTRICAL PLAN
1/4" = 1'-0"

GENERAL NOTES

- PROVIDE SEALS AT RACEWAY PENETRATIONS TO THE EXTERIOR. REFER TO ARCHITECTURAL DOCUMENTS FOR SEALING REQUIREMENTS AT ALL EXTERIOR MOUNTED DEVICES, FIXTURES, ENCLOSURES AND RACEWAY PENETRATIONS.
- PROVIDE A SEPARATE EQUIPMENT GROUNDING CONDUCTOR (SIZE PER NEC) IN PVC TYPE CONDUIT. POWER CIRCUITS, ISOLATED GROUND CIRCUITS, OR AS SHOWN ON PLANS. CONDUIT SHALL BE SIZED PER NEC BASED ON THWN 600 VOLT COPPER SINGLE CONDUCTORS, PLUS THE EQUIPMENT GROUNDING CONDUCTOR.
- WIRING DEVICES: DEVICE MOUNTING HEIGHTS ARE FROM FINISHED FLOOR TO CENTER OF OUTLET BOX UNLESS NOTED OTHERWISE ON PLANS. COORDINATE THE STANDARD MOUNTING HEIGHTS WITH MASONRY:
 - SWITCHES +46"
 - RECEPTACLES +20"
 - VOICE/DATA +20"
- WIRING SHALL INCLUDE FINAL CONNECTION TO ALL EQUIPMENT IN CONFORMANCE WITH EQUIPMENT SUPPLIER WIRING DIAGRAMS.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING COMPLETE PANELBOARD IDENTIFICATION SCHEDULES. SCHEDULES SHALL IDENTIFY THE USE OF LOAD SERVED FOR EACH CIRCUIT AND THE DEVICE OR EQUIPMENT THE PANEL IS FED FROM.
- BRANCH CIRCUIT CONDUCTORS SHALL BE MINIMUM #12 AWG UNLESS NOTED OTHERWISE IN SCHEDULES. WHERE 20A BRANCH CIRCUITS HAVE #8 AND LARGER WIRE SPECIFIED, #10 AWG WIRE SHALL BE USED FOR THE FINAL CONNECTION (15-FT MAXIMUM).
- WHERE BRANCH CIRCUITS ARE GROUPED, SIZE CONDUIT AND DERATE CURRENT CARRYING CONDUCTORS PER NEC.
- PROVIDE HANDLE TIES ON ALL MULTIWIRED BRANCH CIRCUITS TO MEET NEC REQUIREMENTS.
- CONDUITS EXTENDING BEYOND EXTERIOR WALL: STUB OUT 2'-0" BELOW GRADE TO 5'-0" BEYOND EXTERIOR WALLS UNLESS NOTED OTHERWISE. COORDINATE LOCATION AND PROVIDE CONNECTION TO SITE CONDUITS.
- SUPPORTS FROM STRUCTURE: NO ATTACHMENT OF ANY TYPE SHALL BE MADE TO BRIDGING OR JOIST WEB MEMBERS. UTILIZE ONLY THE TOP AND BOTTOM CHORDS FOR SUPPORTING THE ELECTRICAL SYSTEM INSTALLATIONS.
- ALL ATTACHMENTS TO STRUCTURE ARE TO BE MADE IN CONFORMANCE WITH LOCAL REQUIREMENTS. NO ATTACHMENT TO THE METAL DECOR OR CONCRETE SHALL BE ALLOWED.
- PROVIDE LIQUID-TIGHT FLEXIBLE METAL CONDUIT AND WIRING FROM DISCONNECT SWITCH OR JUNCTION BOX TO EQUIPMENT KNOCKOUT OR ELECTRICAL CONNECTION POINT.
- UPON COMPLETION OF ELECTRICAL INSTALLATION AND PRIOR TO ENERGIZING CIRCUIT, INSPECT WIRE AND CABLE FOR PHYSICAL DAMAGE, PHYSICAL DAMAGE.



KEYNOTES

- CONNECT TO EXISTING CIRCUIT PREVIOUSLY SERVING AREA LIGHTING THAT WAS REMOVED. MAINTAIN EXISTING CIRCUIT CONTROL UNLESS NOTED OTHERWISE.
- CONNECT NEW LIGHT BOLLARDS TO EXISTING CIRCUIT PREVIOUSLY SERVING LIGHT BOLLARDS THAT WERE REMOVED. MAINTAIN EXISTING CIRCUIT CONTROL UNLESS NOTED OTHERWISE. VERIFY EXACT LIGHT BOLLARD LOCATION AND QUANTITY ON SITE.
- CONNECT NEW ENTRY LIGHTS TO NEAREST CONTROLLED EXTERIOR BUILDING LIGHTING CIRCUIT WITH AVAILABLE AMPACITY.
- CONNECT NEW BALCONY/ENTRY SCONCE LIGHTS TO EXISTING CIRCUIT PREVIOUSLY SERVING BALCONY/ENTRY SCONCE LIGHTS THAT WERE REMOVED. MAINTAIN EXISTING CIRCUIT CONTROL UNLESS NOTED OTHERWISE. VERIFY EXACT BALCONY/ENTRY SCONCE LIGHT LOCATION AND QUANTITY ON SITE.
- EXISTING SIGN TO BE REPLACED. VERIFY EXISTING VOLTAGE PRIOR TO INSTALLATION. RECONNECT TO EXISTING CIRCUIT CONTROLS. REFERENCE ARCHITECTURAL PLANS FOR EXACT LOCATION.
- NEW EXTERIOR SIGN. ROUTE CONDUCTORS TO NEAREST EXISTING PANEL WITH AVAILABLE AMPACITY. VERIFY SIGN VOLTAGE PRIOR TO INSTALLATION. CONTROL WITH EXISTING BUILDING SIGNAGE. REFERENCE ARCHITECTURAL PLANS FOR EXACT LOCATION.

ARCHITECT:

K2M DESIGN

Architecture, Engineering,
Interior Design,
Asset Management,
Specialty Consulting

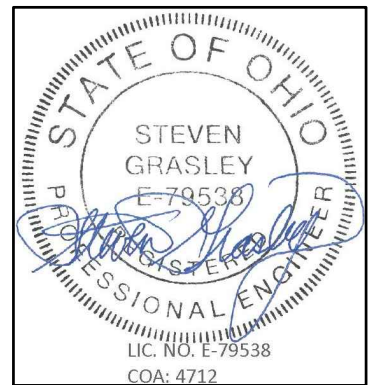
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**ELECTRICAL
PLANS**

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