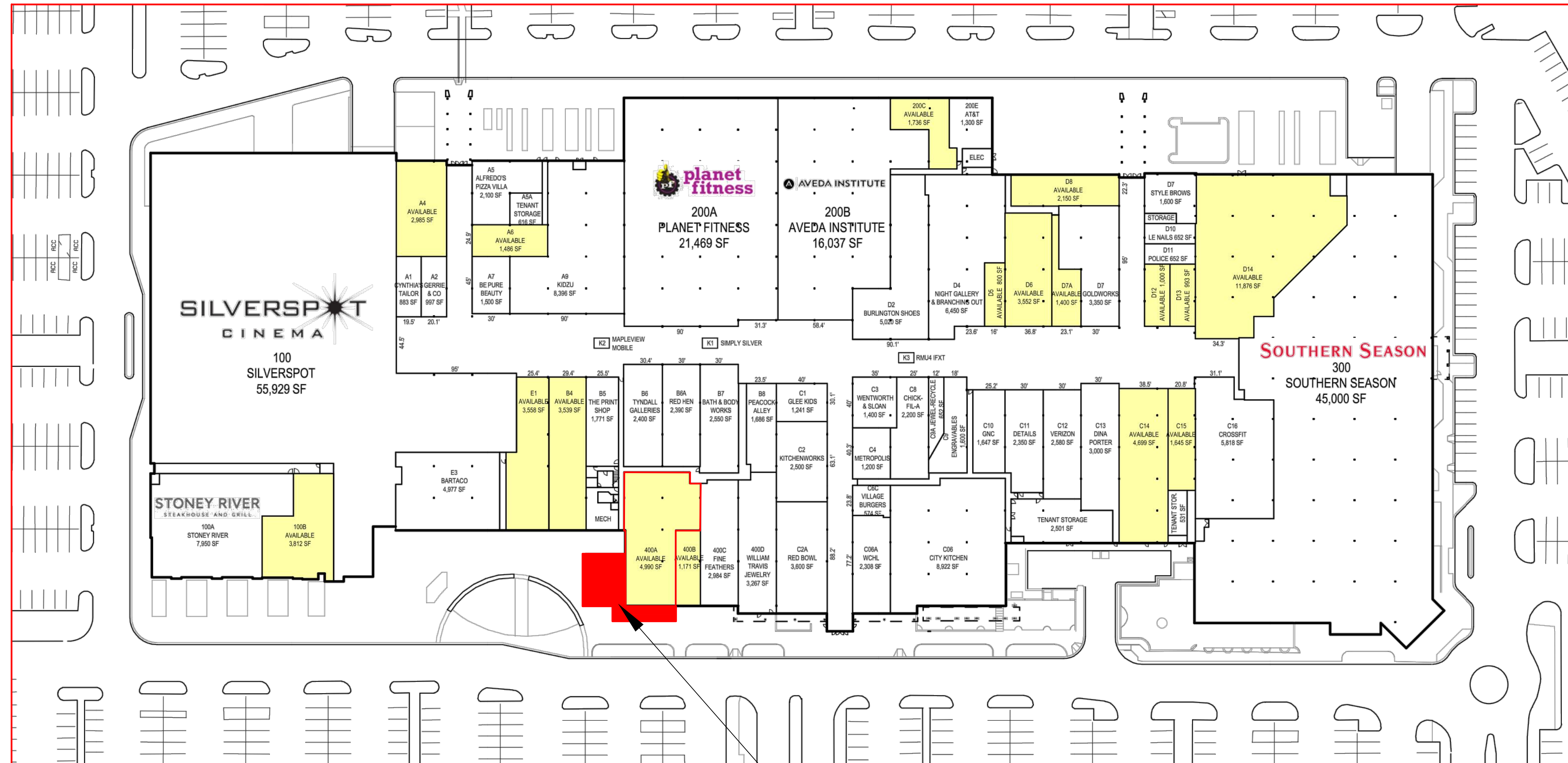




HAWKERS

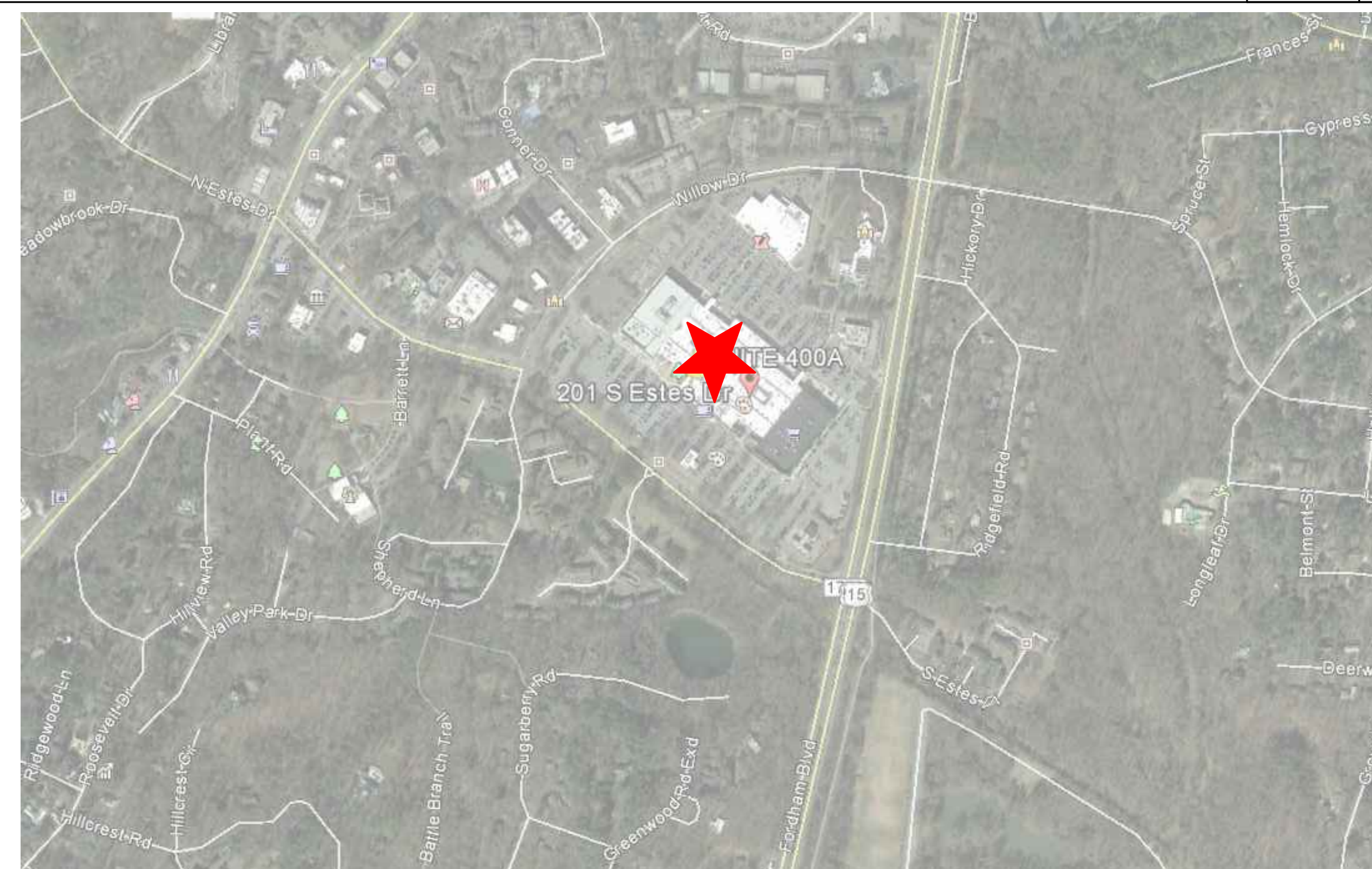
ASIAN STREET FARE

201 S. ESTES DR.
SUITE 400A
CHAPEL HILL, NC
27514
EXTERIOR SCOPE



SUITE 400A, EXTERIOR FACADE AND PATIO. NO INTERIOR WORK.
AREA OF WORK

SUITE LOCATION SCALE: N.T.S. 2



VICINITY MAP SCALE: N.T.S. 1

DESIGN TEAM	
ARCHITECT: D3 STUDIO 1318 CENTRAL AVE. SUITE A10 CHARLOTTE, NC 28205 PROJECT MANAGER: LINDSEY MAYES lmayes@d3studio.com 910.374.7256	OWNER: HAWKERS 407.255.2202
PLUMBING, MECHANICAL & ELECTRICAL ENGINEER: COMPANY WAVE ENGINEERING 122 W. BLAND ST. SUITE C CHARLOTTE, NC 28203 980.256.7728	STRUCTURAL ENGINEER: HUNTER STRUCTURAL, P.A. 1900 ARBUTT ST., SUITE 103 CHARLOTTE, NC 28203 704.442.7260
DESCRIPTION	DATE
PERMIT SUBMITTAL	1 X

DRAWING INDEX	
COVER SHEETS	
CV1 COVER SHEET	X
CV2 COVER SHEET, APPENDIX B	X
CV3 GENERAL INFORMATION	X
ARCHITECTURAL	
LS1.0 LIFE SAFETY PLAN	X
LS1.1 OCCUPANT LOAD PLAN	X
DT.0 DEMOLITION PLAN	X
A1.0 DIMENSION PLAN	X
A1.1 BUILDING PLAN	X
A1.2 REFLECTED CEILING PLAN EXTERIOR	X
A1.3 EXTERIOR ROOF PLAN	X
A1.4 EXTERIOR FURNITURE PLAN	X
A2.0 EXTERIOR ELEVATIONS DEMOLITION WORK	X
A2.1 EXTERIOR ELEVATIONS NEW WORK	X
A3.0 BUILDING SECTIONS	X
A3.1 CORTEN DETAILS	X
A4.1 DOOR & WINDOW DETAILS	X
STRUCTURAL	
S1 GENERAL NOTES, SECTIONS, AND DETAILS	X
S2 FOUNDATION PLAN	X
S3 ROOF FRAMING PLAN	X
S4 SECTIONS AND DETAILS	X
PLUMBING	
P0.1 PLUMBING NOTES & LEGEND	X
P1.0 PLUMBING GAS PLAN	X
MECHANICAL DRAWINGS	
MD.1 MECHANICAL SCHEDULES, NOTES AND LEGEND	X
ELECTRICAL	
E0.1 ELECTRICAL SYMBOLS & SPECIFICATIONS	X
E1.1 LIGHTING PLAN	X
E2.1 POWER PLAN	X
E3.1 ELECTRICAL PANEL SCHEDULE & RISERS	X
FIRE PROTECTION	
F X	
F X	

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PROJECT NUMBER: 02-1828

COVERSHEET

CV1

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GENERAL NOTE:
NO SUBCONTRACTOR SHOULD BE PROVIDED WITH A PARTIAL SET OF PLANS FOR EITHER BIDDING OR CONSTRUCTION PURPOSES WITHOUT FIRST HAVING AMPLIFIED TIME TO REVIEW A COMPLETE SET OF CONSTRUCTION DOCUMENTS. ONLY HAVING A PARTIAL SET OF DRAWINGS WILL NOT BE ACCEPTED AS AN EXCUSE FOR DELAYS, INCOMPLETE WORK, OR CHANGE ORDERS AS THERE ARE MANY CROSS REFERENCES IN A SET OF CONSTRUCTION DOCUMENTS.

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2018 APPENDIX B
BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

PROJECT INFORMATION

NAME OF PROJECT: HAWKERS
ADDRESS: 201 S. ESTES DR. SUITE 400A CHAPEL HILL, NC
OWNER/AGENT: MIKE STONE
PHONE: 404-888-2200
EMAIL: MSTONE@BEATHAWKERS.COM

DESIGN PROFESSIONAL INFORMATION

LEAD DESIGN PROFESSIONAL: SCOTT BETZOLD
DESIGNER: D3 STUDIO
FIRM: SCOTT BETZOLD
LICENSE#: 9628
PHONE#: 704.258.3963
E-MAIL: sbetzold@d3studio.com

2018 NORTH CAROLINA STATE BUILDING CODE
CHECK ALL THAT APPLY: NEW BUILDING, ALTERATION LEVEL 1, HISTORIC PROPERTY

2018 NC EXISTING BUILDING CODE
CHECK ALL THAT APPLY: PRESERVATIVE, ALTERATION LEVEL 1, HISTORIC PROPERTY

CONSTRUCTED: (date) 1973
RENOVATED: (date) X
CURRENT OCCUPANCY(S) (CH 3): A-2
PROPOSED OCCUPANCY(S) (CH 3): A-2

BASIC BUILDING DATA

CONSTRUCTION TYPE (TABLE 602.1): IA
SPRINKLERS (SECTION 903): NO
STANDPIPES (SECTION 903): NO
FLOOD HAZARD AREA (SECTION 1604.5): NO

GROSS BUILDING AREA TABLE

Table with columns: FLOOR, EXISTING (SQ. FT.), NEW (SQ. FT.), SUB-TOTAL. Rows include 6TH FL., 5TH FL., 4TH FL., 3RD FL., 2ND FL., MEZZ., 1ST FL., BASEM., TOTAL SUITE 4,848, OVERALL BUILDING SF UNKNOWN.

ALLOWABLE AREA

PRIMARY OCCUPANCY CLASSIFICATION(S): BUSINESS
HAZARDOUS: H-1 DETONATE, H-2 DEFLAGRATE, H-3 COMBUST, H-4 HEALTH, H-5 HPM
STORAGE: S-1 (MODERATE), S-2 (LOW), S-3 (HIGH PILED)

ACCESSORY OCCUPANCY CLASSIFICATION(S)

ASSEMBLY: A-1, A-2, A-3, A-4, A-5
EDUCATIONAL: E
FACTORY: F-1 MODERATE, F-2 LOW, F-3 HIGH PILED

INCIDENTAL USES (IF APPLICABLE AREAS WITH ADDITIONAL REQUIREMENTS (TABLE 509))
FURNACE ROOM WHERE ANY PIECE OF EQUIPMENT IS OVER 400,000 BTU PER HOUR INPUT
ROOMS WITH BOILERS WHERE THE LARGEST PIECE OF EQUIPMENT IS OVER 15 PSI AND 10 HORSEPOWER

SPECIAL USES (CHAPTER 4 LIST CODE SECTIONS): N/A
SPECIAL PROVISIONS (CHAPTER 5 LIST CODE SECTIONS): N/A

ACTUAL AREA OF OCCUPANCY A + ACTUAL AREA OF OCCUPANCY B = < 1
ALLOWABLE AREA OF OCCUPANCY A + ALLOWABLE AREA OF OCCUPANCY B = < 1.00

Table with columns: STORY NO., DESCRIPTION & USE, BLDG. AREA PER STORY (ACTUAL), TABLE 506.2.4 AREA, AREA FOR FRONTAGE INCREASE, ALLOWABLE AREA OR UNLIMITED. Row 1: HAWKERS A-2, 4,848, 38,000, 38,000.

ALLOWABLE HEIGHT

Table with columns: BUILDING HEIGHT (FEET) (TABLE 504.3), Feet, ALLOWABLE, SHOWN ON PLANS, CODE REF. Row 1: Feet 75, ALLOWABLE +25, SHOWN ON PLANS X.

FIRE PROTECTION REQUIREMENTS

Table with columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATING (EDUCATION), PROVIDED, SHEET # FOR ASSEMBLY, SHEET # FOR PENETRATION, SHEET # FOR PARTITION, SHEET # FOR RATED JOINTS, SHEET # FOR RATED DOORS.

PERCENTAGE OF WALL OPENING CALCULATIONS

Table with columns: FIRE SEPARATION DISTANCE (FEET) FROM PROPERTY LINES, DEGREE OF OPENINGS PROTECTION (TABLE 705.6), ALLOWABLE AREA (%), ACTUAL SHOWN ON PLANS (%). Row 1: EXISTING TO REMAIN.

LIFE SAFETY SYSTEMS

EMERGENCY LIGHTING: NO
EXIT SIGNS: NO
FIRE ALARM: YES
SMOKE DETECTION SYSTEMS: NO
CARBON MONOXIDE DETECTION: YES

LIFE SAFETY PLAN CHECK LIST FOR COMPLIANCE

LIFE SAFETY PLAN SHEET #, IF PROVIDED: LSO.1, LSI.0 AND LSI.1
NO YES FIRE AND/OR SMOKE RATED WALL LOCATIONS (CHAPTER 7)
NO YES ASSURED AND REAL PROPERTY LINE LOCATIONS (IF NOT ON THE SITE PLAN)

ACCESSIBLE DWELLING UNITS AND SLEEPING UNITS

Table with columns: TOTAL ACCESSIBLE UNITS REQUIRED, ACCESSIBLE UNITS PROVIDED, TYPE A UNITS PROVIDED, TYPE B UNITS PROVIDED, TOTAL ACCESSIBLE UNITS PROVIDED.

ACCESSIBLE PARKING

Table with columns: LOT OR PARKING AREA, TOTAL # OF PARKING SPACES, # OF ACC. SPACES PROVIDED, TOTAL # ACCESSIBLE PROVIDED.

Table with columns: USE, WATERCLOSETS, URINAL, LAVATORIES, SHOWERS/TUBS, DRINKING FOUNTAINS.

*NOTE: NC PLUMBING CODE 419.3 IN EACH BATHROOM OR TOILET ROOM, URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 60% OF THE REQUIRED WATER CLOSETS IN ASSEMBLY AND EDUCATIONAL OCCUPANCIES. URINALS SHALL NOT BE SUBSTITUTED FOR MORE THAN 90% OF THE REQUIRED WATER CLOSETS IN ALL OTHER OCCUPANCIES.

SPECIAL APPROVALS

(LOCAL JURISDICTION, DEPARTMENT OF INSURANCE, OSC, DPI, DHHS, ICC, ETC., DESCRIBE BELOW)

ENERGY SUMMARY

ENERGY REQUIREMENTS: THE FOLLOWING DATA SHALL BE CONSIDERED AS A PART OF ANY SPECIAL ATTRIBUTE REQUIRED TO MEET THE NORTH CAROLINA ENERGY CONSERVATION CODE. EACH DESIGNER SHALL FURNISH THE REQUIRED PORTIONS OF THE PROJECT INFO FOR THE PLAN DATA SHEET.

EXISTING BUILDING ENVELOPE COMPLIES WITH CODE: NO
EXEMPT BUILDING (PROVIDE CODE OR STATUTORY REFERENCE): NO
CLIMATE ZONE: 3A
METHOD OF COMPLIANCE: ENERGY CODE PERFORMANCE

ADDITIONAL PROJECT INFORMATION:

BUILDING DESCRIPTION & SCOPE OF WORK:
TENANT SPACE PREVIOUSLY PERMITTED FOR A-2 USE. INTERIOR AND EXTERIOR WORK WILL BE PERMITTED SEPARATELY. WORK NOT IN SCOPE OF THIS PERMIT WILL BE SHOWN FOR REFERENCE ONLY. EXTERIOR WORK WILL BE REVIEWED BY ZONING AND PLANNING PRIOR TO SUBMITTAL TO COUNTY.

EXIT REQUIREMENTS

Table with columns: FLOOR, ROOM OR SPACE DESIGNATION, MINIMUM # OF EXITS, TRAVEL DISTANCE, ARRANGEMENT MEANS OF EGRESS, REQUIRED DISTANCE BETWEEN EXIT DOORS, ACTUAL DISTANCE OF EXITS SHOWN ON PLANS.

OCCUPANT LOAD

Table with columns: USE GROUP OR SPACE DESCRIPTION, AREA (SQ. FT.), AREA PER OCCUPANT, CALCULATED OCCUPANT LOAD, EGRESS WIDTH PER OCCUPANT LOAD, EXIT WIDTH (IN), ACTUAL WIDTH SHOWN ON PLANS.

Table with columns: TOTAL INTERIOR, TOTAL EXTERIOR, OVERALL OCCUPANT TOTAL.

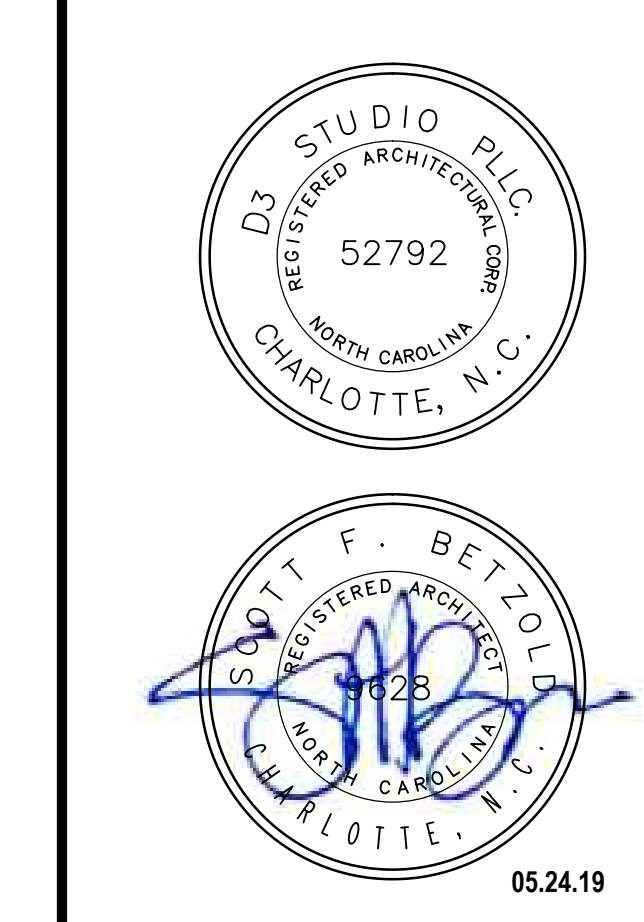
Table with columns: INTERIOR, EXTERIOR, DINING - UN. CONC., DINING - FIXED BOOTH, DINING - FIXED BAR, KITCHEN & EMPLOYEE.

Table with columns: USE, MALE, FEMALE, UNISEX, REGULAR, ACCESSIBLE.

Table with columns: FLOOR, EXISTING (SQ. FT.), NEW (SQ. FT.), SUB-TOTAL.

Table with columns: BUILDING HEIGHT (FEET) (TABLE 504.3), Feet, ALLOWABLE, SHOWN ON PLANS, CODE REF.

Table with columns: BUILDING ELEMENT, FIRE SEPARATION DISTANCE (FEET), RATING (EDUCATION), PROVIDED, SHEET # FOR ASSEMBLY, SHEET # FOR PENETRATION, SHEET # FOR PARTITION, SHEET # FOR RATED JOINTS, SHEET # FOR RATED DOORS.



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Table with columns: no., date, comment.

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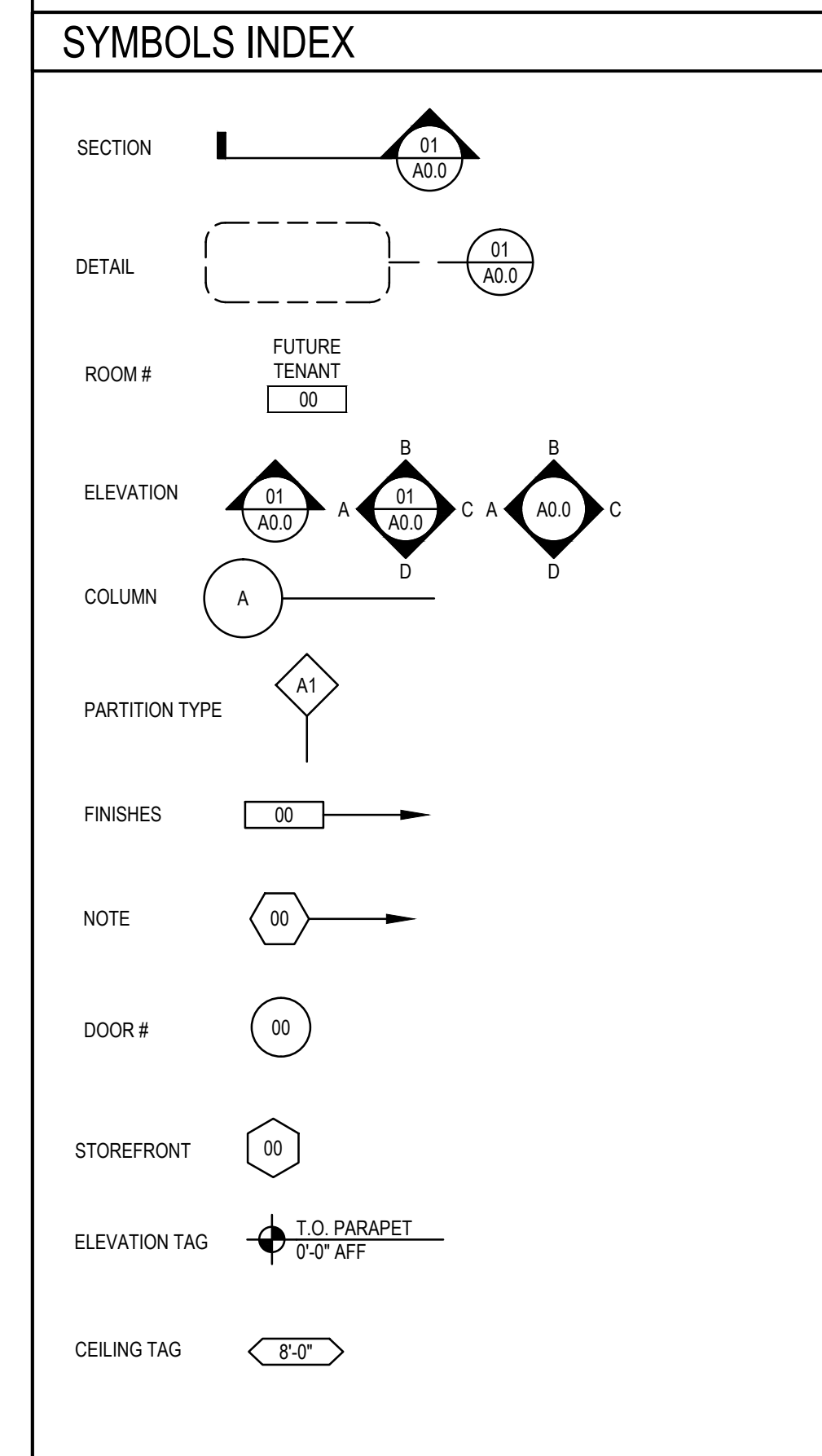
COVER SHEET: APPENDIX B

CV2

STUD TABLE SCALE: 1

ABBREVIATIONS & ACRONYMS table with columns for symbol, description, and units. Includes categories A through HR.

SPRINKLER SYSTEM NOTES table with columns for note number and text. Includes notes 1 through 2 regarding existing and automatic fire sprinkler systems.



ACCESSIBILITY NOTES table with columns for note number and text. Includes notes 1 through 14 regarding tenant responsibility, parking, corridors, aisles, circulation, and hazards.

BID NOTES table with columns for note number and text. Includes notes 1 through 4 regarding subcontractor responsibilities, bid submissions, and conflicts.

MATERIAL & PRODUCT CONTACTS table with columns for contact name, phone number, email, and website. Includes contacts for core designs, interior metal fabrication, and board formed concrete.

RESPONSIBILITY SCHEDULE table with columns for item description, responsibility (GC, SC, etc.), and status (FURNISH, INSTALL). Includes items like floor work, ceiling, walls, and furniture.

d3 studio logo and contact information: PLANNING • ARCHITECTURE • INTERIORS, 1318 CENTRAL AVENUE, SUITE A-10, CHARLOTTE, NC 28205, WEBSITE: WWW.D3STUDIO.COM

Professional seals for D3 Studio P.L.L.C. (Registered Architect) and Scott F. Betzold (Registered Architect), both in North Carolina.

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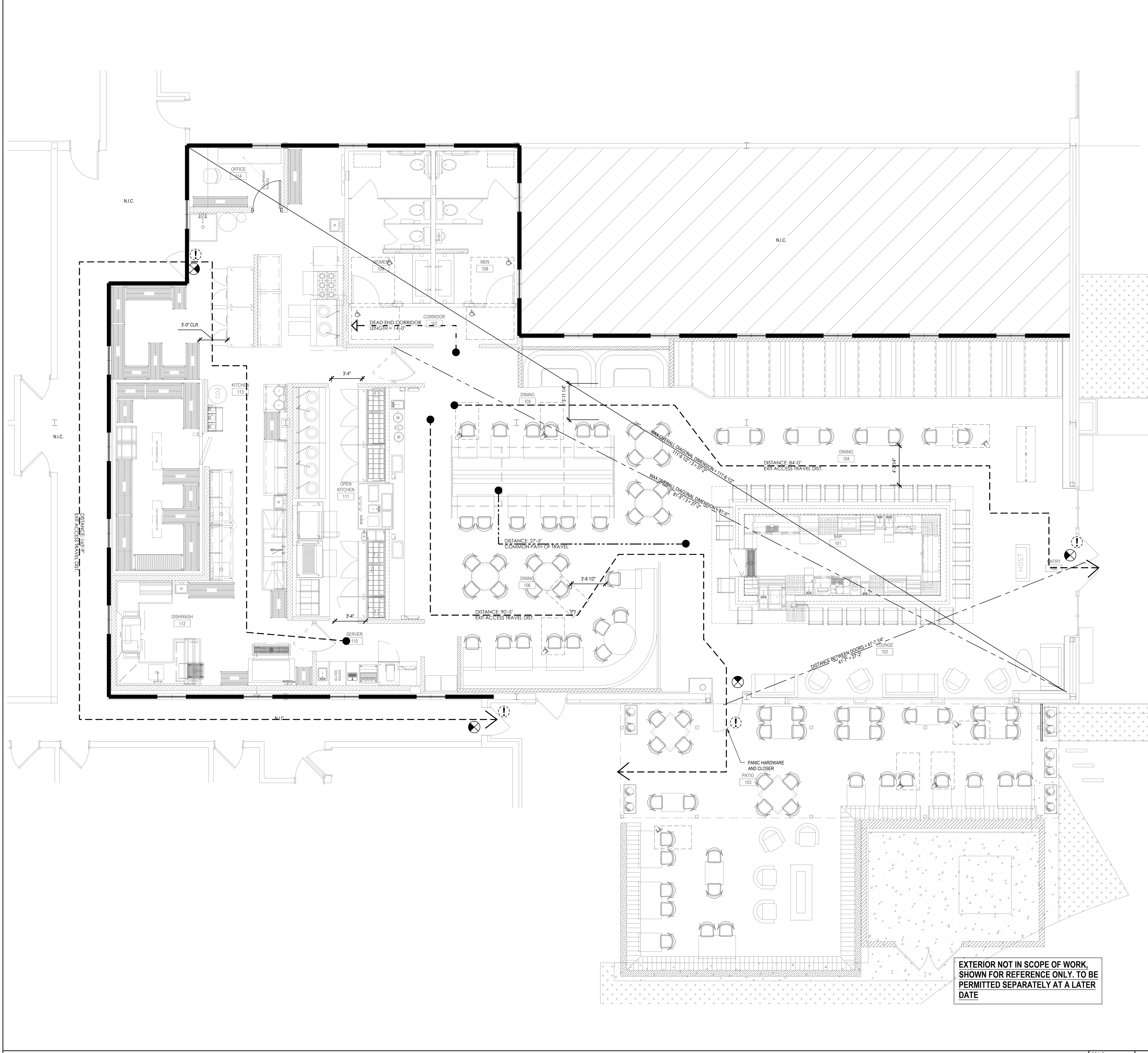
HAWKERS ASIAN STREET FARE logo featuring a stylized bird icon.

201 S. ESTES DR. SUITE 400A CHAPEL HILL, NC 27514

REVISION table with columns for no., date, and comment. Includes a section for EXTERIOR and STOREFRONT items.

GENERAL INFORMATION section with fields for DRAWN BY (LM), CHECKED BY (LM), ISSUE DATE (05.24.2019), PROJECT NUMBER (02-1828), and a large CV3 logo.

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FIRE SAFETY NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR PROVIDING FIRE EXTINGUISHERS TO BE LOCATED PER THE FIRE INSPECTOR. ACTUAL NUMBER AND LOCATION WILL BE PER THE FIRE INSPECTOR.

LIFE SAFETY LEGEND

- 1 HR RATED DEMISING WALL
- EXIT ACCESS TRAVEL DISTANCE
- COMMON PATH OF TRAVEL
- DEAD END CORRIDOR
- OVERALL DIAGONAL
- OVERALL DIAGONAL OF DINING AREA, 1016.2 EGRESS SHALL NOT PASS THROUGH A KITCHEN
- EXIT SIGNAGE, SEE ELECTRICAL FOR MORE INFORMATION
- SEE LS1.1 FOR OCCUPANCY INFORMATION
- PANIC HARDWARE AND CLOSER

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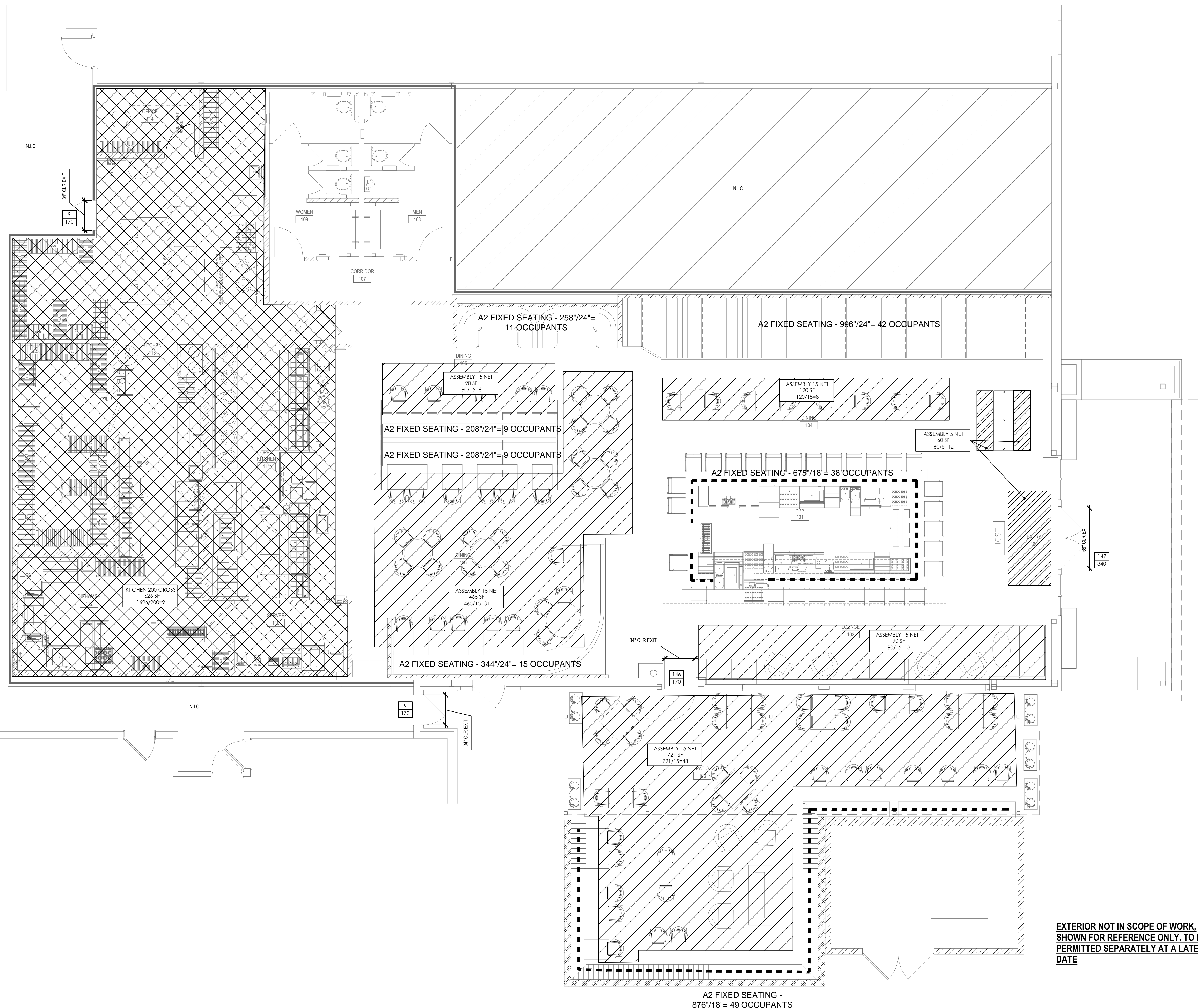
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LIFE SAFETY PLAN

LS1.0

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EXTERIOR NOT IN SCOPE OF WORK, SHOWN FOR REFERENCE ONLY. TO BE PERMITTED SEPARATELY AT A LATER DATE

OCCUPANT LOAD LEGEND

- KITCHEN / COMMERCIAL 200 GROSS
- ASSEMBLY - UNCONCENTRATED (TABLES & CHAIRS) 15 NET
- ASSEMBLY - STANDING 5 NET
- BUSINESS - OFFICE 100 GROSS
- ACCESSORY STORAGE AREAS 100 GROSS
- # OF OCCUPANTS THRU EXIT
- TOTAL # ALLOWED THRU EXIT



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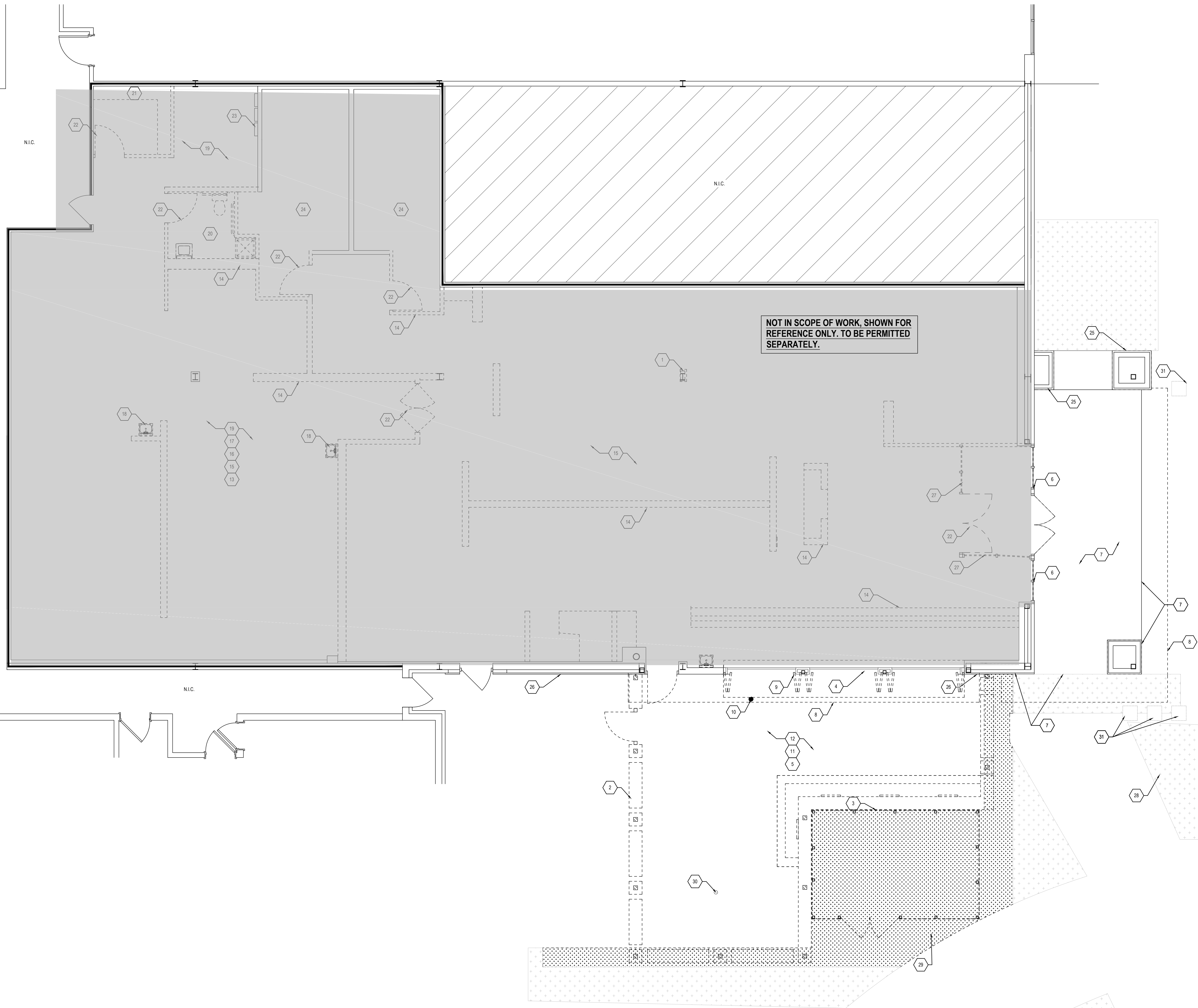
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OCCUPANT LOAD PLAN

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DEMOLITION NOTES:

- REMOVE ALL ITEMS AS INDICATED BY DASHED LINES ON PLANS.
- CARE SHALL BE TAKEN DURING DEMOLITION SO AS NOT TO DAMAGE OR ALTER ANY EXISTING STRUCTURAL MEMBERS. THE ARCHITECT AND OWNER SHALL BE NOTIFIED IMMEDIATELY IF ANY DAMAGE OCCURS OR IS DISCLOSED DURING DEMOLITION.
- IN ALL WALLS AND CEILINGS THAT ARE REMOVED THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISCONNECTING AT SOURCE AND REMOVING OR CAPPING ANY ELECTRICAL, PLUMBING, GAS LINES AND MECHANICAL DUCTWORK THAT IS DISCLOSED AND NOT SCHEDULED FOR REUSE. REROUTE AND CONTINUE ANY SYSTEM THAT MUST BE RETAINED FOR ADJACENT BUILDING AREAS THAT ARE NOT IN THIS CONTRACT.
- ALL ELECTRICAL CIRCUITS FOR EQUIPMENT THAT IS TO BE REMOVED SHALL BE DISCONNECTED AT SOURCE AND REMOVED.
- ALL GAS, WATER AND DRAIN LINES SUPPLYING EQUIPMENT THAT IS TO BE REMOVED SHALL BE DISCONNECTED, REMOVED AND CAPPED ABOVE CEILING OR BELOW FLOOR. IT SHALL BE ROUTE AS NECESSARY TO BE BEHIND NEW CONSTRUCTION. (PATCH FLOOR BACK PRIOR TO TOPPING.)
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING IN A PROPER MANNER FROM THE SITE ALL RUBBLE AND DEBRIS CAUSED BY DEMOLITION.
- REMOVE OR RELOCATE ANY SPRINKLER/SEWER/PLUMBING LINES AS REQUIRED IN FIELD PER OWNERS AND/OR LOCAL AUTHORITY APPROVALS.
- GENERAL CONTRACTOR TO COORDINATE WITH THE OWNER AND ARCHITECT AS TO THE DISPOSAL OF ALL ITEMS REMOVED.
- GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL CEILINGS, WALL AND FLOORS, AS REQUIRED TO RECEIVE NEW FINISHES.
- GENERAL CONTRACTOR TO PROVIDE BLOCKING AS NECESSARY FOR ALL MILLWORK & FIXTURES.
- GENERAL CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS. REPORT ANY DISCREPANCIES BACK TO THE ARCHITECT BEFORE DEMOLITION BEGINS.

DEMO LEGEND:

- EXISTING WALL TO REMAIN
- DEMO ELEMENTS
- EXISTING FIRE RATED WALL
- INTERIOR WORK SHOWN FOR REFERENCE ONLY. WORK WILL BE COMPLETED UNDER SEPARATE PERMIT.

(X) KEYED NOTES:

- REMOVE EXISTING GYP BOARD SURROUND ON EXISTING STRUCTURAL COLUMN. PREPARE FOR PAINT
- DEMO EXISTING WOOD FENCE
- DEMO EXISTING TRANSFORMER ENCLOSURE. TRANSFORMER TO REMAIN AS IS
- DEMO COUNTER AND WALL BELOW. REPAIR ANY DAMAGED SEALS AND ADJACENT WALLS WITH WATER DAMAGE
- DEMO EXISTING STUDS AND DEBRIS AT EXTERIOR
- DEMO EXISTING STOREFRONT SYSTEMS AND PREPARE FOR NEW
- DEMO EXISTING TILE AND WOOD FACADE MATERIALS AND PREP SURFACE FOR NEW MATERIALS, THROUGHOUT FACADE
- DEMO EXISTING AWNING
- DEMO MAMA WALL AND PREPARE FOR NEW GARAGE DOORS
- LOCATION OF NEW FOOTER, MOVE DRAIN AND CAP TO ALLOW FOR FOOTER
- RESLOPE PATIO AS REQUIRED FOR DRAINAGE. NEW DRAIN TO BE ADDED
- DEMO SLAB AS REQUIRED FOR NEW FOOTERS. EXISTING GAS LINE TO BE RELOCATED AS REQUIRED FOR NEW FIRE PIT
- DEMO SLAB AS REQUIRED FOR NEW PLUMBING
- DEMO EXISTING WALL, DENOTED WITH DASHED LINE, TYPICAL
- DEMO EXISTING DUCT WORK AND MECHANICAL SYSTEMS AND PREPARE FOR NEW. PATCH/REPAIR ROOF AS REQUIRED FOR REMOVAL. REMOVAL OF EXISTING RTUS MAY BE REQUIRED IF THEY WERE INSTALLED
- DEMO EXISTING ACT GRID
- EXISTING FLOOR SINKS AND DRAINS WILL NOT BE UTILIZED. CAP OR DEMO AS REQUIRED FOR NEW DESIGN
- DEMO EXISTING SINKS AND CAP PLUMBING AS REQUIRED
- DEMO EXISTING TILE FLOORING IN ITS ENTIRETY
- DEMO EXISTING TOILET, MOP SINK AND SINK. CAP PLUMBING AS REQUIRED.
- DEMO COUNTER
- DEMO EXISTING DOOR, TYPICAL
- EXISTING ELECTRICAL PANELS AND LINES TO BE DEMOED AS REQUIRED FOR NEW DESIGN. ELECTRICAL TO BE REMOVED THROUGHOUT BACK TO SOURCE.
- EXISTING RESTROOMS HAVE CEMENT BOARD TO +/- 8" AFF. PATCH/REPAIR AND PREP FOR NEW FINISHES. REMOVE ANY EXISTING TILE.
- DEMO TILE FACADE AND PREPARE FOR NEW FINISHES
- DEMO EXISTING WOOD FACADE AND PREPARE FOR NEW FINISHES.
- DEMO EXISTING VESTIBULE. PATCH/REPAIR FLOOR AS REQUIRED
- EXISTING GRASS AREA TO REMAIN, TYPICAL
- DEMO GRASS AREA AND PREP FOR CONCRETE. ACTUAL DIMENSIONS MAY VARY FROM PLAN EXTEND CONCRETE 12" PAST CANDY COLUMNS AND BUILT IN SEATING.
- EXISTING GAS LINE TO REMAIN, RELOCATE AS REQUIRED FOR NEW FIRE PIT.
- DEMO SIDEWALK AS REQUIRED FOR NEW ROOF DRAINAGE. CENTER ON NEW RAIN CHAINS



FOR CONSTRUCTION

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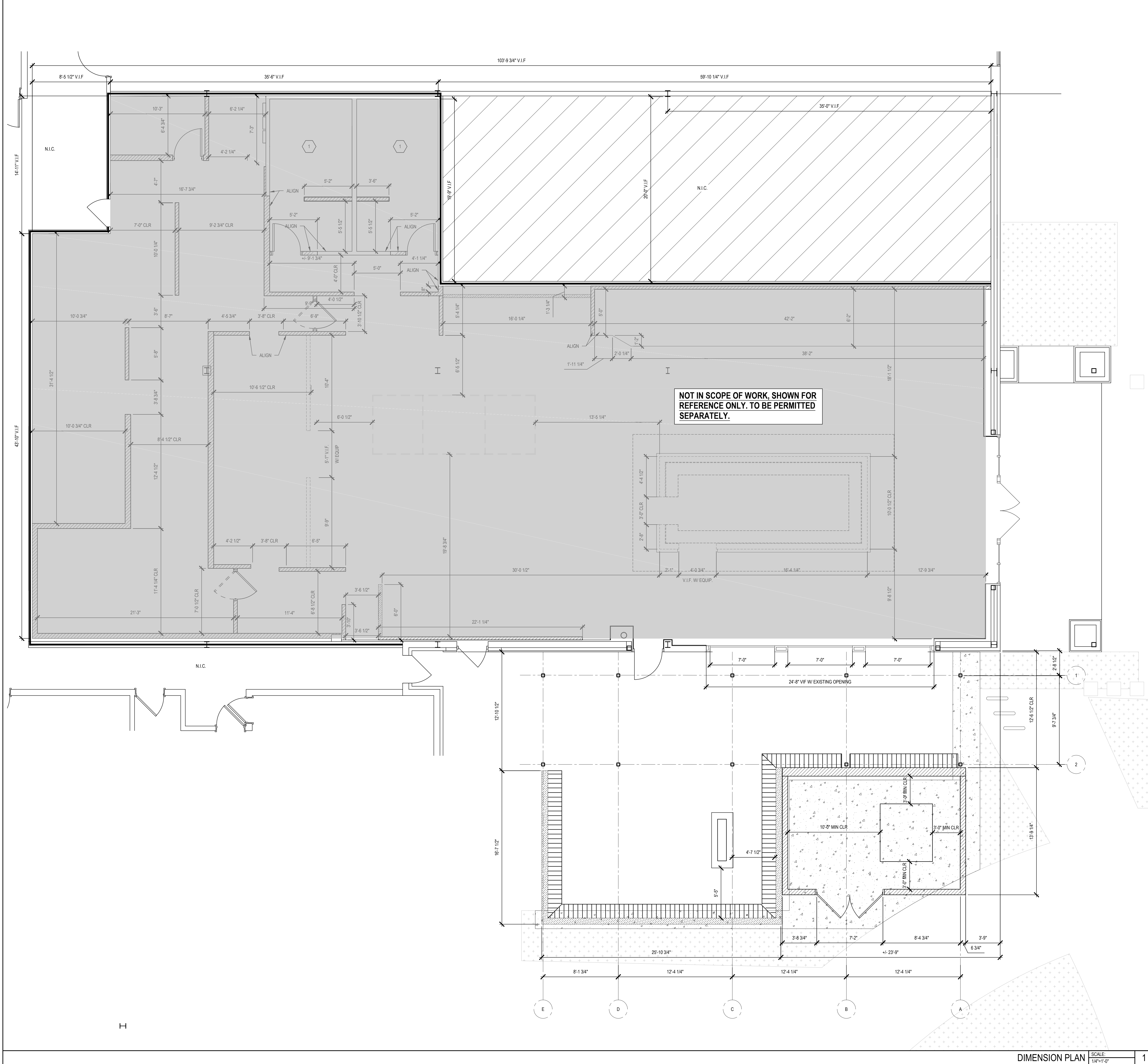
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DEMOLITION PLAN

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GENERAL NOTES:

1. NEW WALLS INDICATED BY DIAGONAL HATCHED PATTERN.
2. NORTH ARROW PROVIDED FOR REFERENCE TO ROOM FINISH SCHEDULE.
3. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT.
4. INTERIOR SIGNAGE IS THE RESPONSIBILITY OF THE TENANT AND MUST COMPLY WITH 2012 NCSCC 1110.
5. PROVIDE AND INSTALL OCCUPANCY SIGN IN A CONSPICUOUS LOCATION IN ACCORDANCE WITH STATE AND LOCAL CODES.
6. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PLUMBING, MECHANICAL AND ELECTRICAL EQUIPMENT ORDERED. GC SHALL REVIEW ALL SHOP DRAWINGS AND RECEIVE APPROVED STAMP FROM ARCHITECT OR ENGINEER PRIOR TO ORDERING AND FABRICATION.
7. GENERAL CONTRACTOR TO STRIP AND CLEAN AREAS OF EXPOSED SLAB IN PREPARATION OF NEW FLOOR FINISHES. PATCH ALL HOLES AND UNEVEN CONCRETE TO PROVIDE SMOOTH SURFACE. PREP SURFACE AS REQUIRED BY MANUFACTURING REQUIREMENTS.
8. GENERAL CONTRACTOR TO VERIFY LOCATION OF ALL EQUIPMENT WITH TENANT PRIOR TO INSTALLATION OF EQUIPMENT OR OUTLETS.
9. PER 2012 NCSCC 2509: GYPSUM BOARD WALL CONSTRUCTION THAT IS EXPOSED TO WETNESS OR HIGH HUMIDITY SHALL BE WATER RESISTANT.
10. GENERAL CONTRACTOR TO BRACE TOPS OF FULL HEIGHT PARTITIONS TO STRUCTURE ABOVE PER 2012 NCSCC 1613.7. ANCHORAGE SHALL PROVIDE A DIRECT CONNECTION BETWEEN THE WALLS AND THE ROOF OR FLOOR CONSTRUCTION. THE CONNECTIONS SHALL BE CAPABLE OF RESISTING THE FORCES SPECIFIED IN SECTION 11.7.3 APPLIED HORIZONTALLY, SUBSTITUTED FOR (E) IN LOAD COMBINATIONS OF SECTIONS 2.3 OR 2.4.2.
11. GENERAL CONTRACTOR TO COMPLY WITH 2012 NCSCC 1607.13. INTERIOR WALLS AND PARTITIONS THAT EXCEED 6 FEET IN HEIGHT INCLUDING THEIR FINISH MATERIALS, SHALL HAVE ADEQUATE STRENGTH TO RESIST THE LOADS TO WHICH THEY ARE SUBJECTED, BUT NOT LESS THAN A HORIZONTAL LOAD OF 5psf.
12. USE TWO-STUD CORNERS WHERE POSSIBLE.
13. PROVIDE WOOD CORNERS IN PARTITIONS AT ALL LOCATIONS WHERE WORK SURFACE, SHELVING, BRACKETS, DISPLAYS, GRAB BARS, HANDRAILS AND/OR EQUIPMENT WILL BE MOUNTED OR ATTACHED TO THE FACE OF WALL FOR STRUCTURAL STABILITY. REFERENCE FLOOR PLANS FOR LOCATIONS OF SUCH EQUIPMENT. ALL CONCEALED WOOD SHALL BE FIRE RETARDANT LUMBER AND INSTALLED WITH THE LABEL FACING OUT.
14. LUMBER AND BLOCKING IN CONTACT WITH MASONRY AND CONCRETE SHALL BE PRESSURE TREATED.
15. GENERAL CONTRACTOR TO FURNISH AND INSTALL BACKING FOR ALL FIXTURES AND EQUIPMENT AS REQUIRED.
16. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 6.0 LBF (22.2 N) FOR INTERIOR DOORS.
17. REFER TO THE PLUMBING DRAWINGS FOR SINK AND FLOOR DRAIN LOCATIONS. FLOOR SINKS TO BE FLUSH WITH TILE UNLESS OTHERWISE REQUIRED BY CODE. FLOOR FINISH TO SLOPE 1/8" PER FOOT TO DRAINS, TYPICAL.

WALL LEGEND:

- EXISTING LOW WALL
- EXISTING WALL
- NEW LOW WALL
- NEW WALL
- INTERIOR WORK SHOWN FOR REFERENCE ONLY. WORK WILL BE COMPLETED UNDER SEPARATE PERMIT.

DIMENSION NOTES:

1. PARTITION DIMENSIONS TO FACE OF PARTITION UNLESS NOTED OTHERWISE. (3-5/8" METAL STUDS WITH 5/8" GYPSUM BOARD.)
2. UN-DIMENSIONED DOORS TO BE 3" FROM FINISH FACE OF ADJACENT PARTITION TO DOOR JAMB UNLESS OTHERWISE NOTED.
3. FOR ANY MISSING DIMENSION OR DIMENSIONS IN QUESTION, GENERAL CONTRACTOR IS TO CONTACT ARCHITECT FOR CLARIFICATION. IN NO CASE SHOULD DRAWINGS BE SCALED.
4. PROVIDE 1'-0" MINIMUM CLEARANCE FOR HANDICAP ACCESS FROM EDGE OF ALL DOORS ON "PUSH" SIDE TO THE ADJACENT WALL AND 1'-6" MINIMUM CLEARANCE ON THE "PULL" SIDE.

KEYED NOTES:

1. SEE ENLARGED PLAN 2/A5.0 FOR RESTROOM DIMENSIONS

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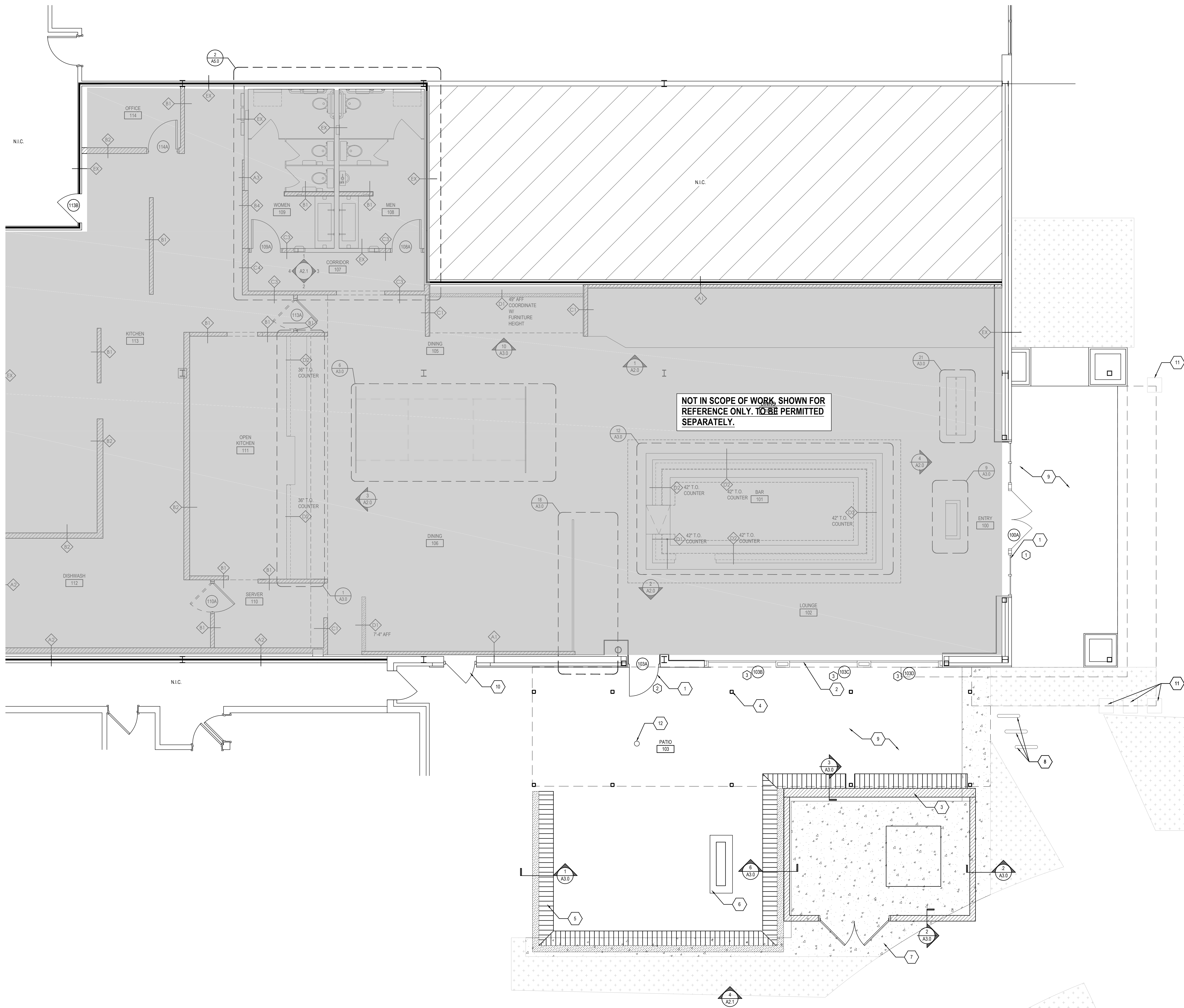
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DIMENSION PLAN

A1.0

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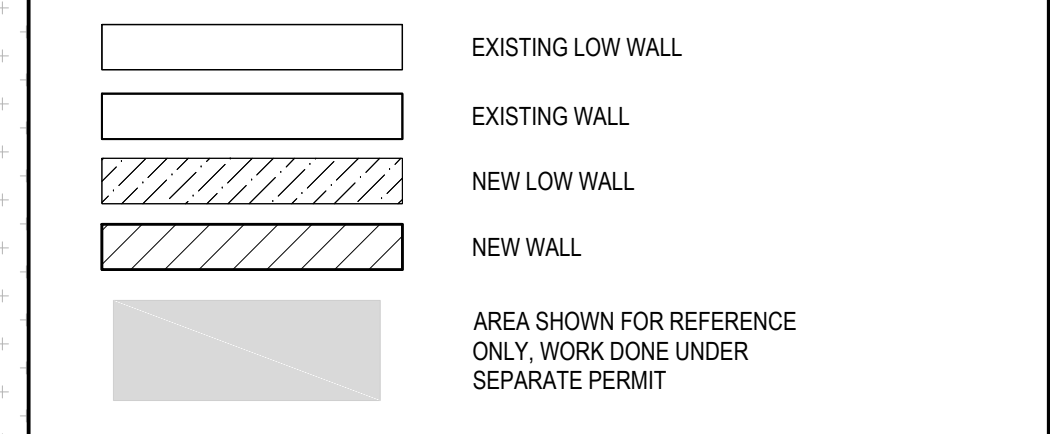


GENERAL NOTES:

1. NEW WALLS INDICATED BY DIAGONAL HATCHED PATTERN.
2. NORTH ARROW PROVIDED FOR REFERENCE TO ROOM FINISH SCHEDULE.
3. GENERAL CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES IMMEDIATELY TO THE ARCHITECT.
4. INTERIOR SIGNAGE IS THE RESPONSIBILITY OF THE TENANT AND MUST COMPLY WITH 2012 NCSCC 1110.
5. PROVIDE AND INSTALL OCCUPANCY SIGN IN A CONSPICUOUS LOCATION IN ACCORDANCE WITH STATE AND LOCAL CODES.
6. GENERAL CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL PLUMBING, MECHANICAL AND ELECTRICAL EQUIPMENT ORDERED. GC SHALL REVIEW ALL SHOP DRAWINGS AND RECEIVE APPROVED STAMP FROM ARCHITECT OR ENGINEER PRIOR TO ORDERING AND FABRICATION.
7. GENERAL CONTRACTOR TO STRIP AND CLEAN AREAS OF EXPOSED SLAB IN PREPARATION OF NEW FLOOR FINISHES. PATCH ALL HOLES AND UNLEVEL CONCRETE TO PROVIDE SMOOTH SURFACE. PREP SURFACE AS REQUIRED BY MANUFACTURING REQUIREMENTS.
8. GENERAL CONTRACTOR TO VERIFY LOCATION OF ALL EQUIPMENT WITH TENANT PRIOR TO INSTALLATION OF EQUIPMENT OR OUTLETS.
9. PER 2012 NCSCC 2509: GYPSUM BOARD WALL CONSTRUCTION THAT IS EXPOSED TO WETNESS OR HIGH HUMIDITY SHALL BE WATER RESISTANT.
10. GENERAL CONTRACTOR TO BRACE TOPS OF FULL HEIGHT PARTITIONS TO STRUCTURE ABOVE PER 2012 NCSCC 1613.7. ANCHORAGE SHALL PROVIDE A DIRECT CONNECTION BETWEEN THE WALLS AND THE ROOF OR FLOOR CONSTRUCTION. THE CONNECTIONS SHALL BE CAPABLE OF RESISTING THE FORCES SPECIFIED IN SECTION 117.3 APPLIED HORIZONTALLY. SUBSTITUTED FOR (E) IN LOAD COMBINATIONS OF SECTIONS 2.3 OR 2.4.2.
11. GENERAL CONTRACTOR TO COMPLY WITH 2012 NCSCC 1607.13: INTERIOR WALLS AND PARTITIONS THAT EXCEED 6 FEET IN HEIGHT INCLUDING THEIR FINISH MATERIALS, SHALL HAVE ADEQUATE STRENGTH TO RESIST THE LOADS TO WHICH THEY ARE SUBJECTED, BUT NOT LESS THAN A HORIZONTAL LOAD OF 5psf.
12. USE TWO-STUD CORNERS WHERE POSSIBLE.
13. PROVIDE WOOD BLOCKING IN PARTITIONS AT ALL LOCATIONS WHERE WORK SURFACE, SHELVING, BRACKETS, DISPLAYS, GRAB BARS, HANDRAILS AND/OR EQUIPMENT WILL BE MOUNTED OR ATTACHED TO THE FACE OF WALL FOR STRUCTURAL STABILITY. REFERENCE FLOOR PLANS FOR LOCATIONS OF SUCH EQUIPMENT. ALL CONCEALED WOOD SHALL BE FIRE RETARDANT LUMBER AND INSTALLED WITH THE LABEL FACING OUT.
14. LUMBER AND BLOCKING IN CONTACT WITH MASONRY AND CONCRETE SHALL BE PRESSURE TREATED.
15. GENERAL CONTRACTOR TO FURNISH AND INSTALL BACKING FOR ALL FIXTURES AND EQUIPMENT AS REQUIRED.
16. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5.0 LBF (22.2 N) FOR INTERIOR DOORS.
17. REFER TO THE PLUMBING DRAWINGS FOR SINK AND FLOOR DRAIN LOCATIONS. FLOOR SINKS TO BE FLUSH WITH TILE UNLESS OTHERWISE REQUIRED BY CODE. FLOOR FINISH TO SLOPE 1/8" PER FOOT TO DRAINS, TYPICAL.

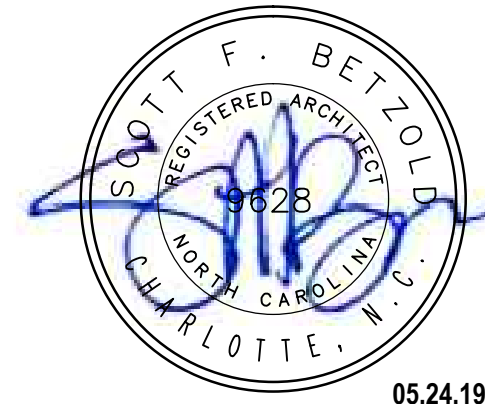
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WALL LEGEND:



KEYED NOTES:

1. NEW STOREFRONT DOOR TO MATCH EXISTING DIMENSIONS, FINISH ALUMINUM BRONZE ANODIZED.
2. NEW GARAGE DOORS, DOORS SHOULD RAISE STRAIGHT UP ON INTERIOR SIDE OF WALL.
3. NEW MASONRY TRANSFORMER ENCLOSURE. SEE DETAILS AND STRUCTURAL.
4. NEW COLUMNS. SEE STRUCTURAL. TYPICAL.
5. NEW BUILT IN SEATING. SEE DETAILS AND STRUCTURAL.
6. NEW 24" X 72" CORTEN STEEL FIRE PIT (ROBATA 72 LIN-48" BY PALOFORM. INCLUDE TEMPERED GLASS SCREEN ACCESSORY W/ BLACK LAVA PEBBLE. CONNECT TO EXISTING GAS LINE.
7. NEW CONCRETE AREA EXTEND CONCRETE 1" PAST NEW COLUMNS AND BUILT IN SEATING AS REQUIRED. FIELD DIMENSIONS WILL VARY FROM PLANS. SLOPE PATIO CONCRETE 1/2" PER FOOT TO DRAINS AS REQUIRED.
8. EXISTING BIKE RACK TO REMAIN.
9. PRESSURE WASH AND SEAL EXISTING CONCRETE. PATCH AND REPAIR AS REQUIRED. NEW CONCRETE TO MATCH EXISTING.
10. REPLACE SWEEPS AND SEALS AT EXISTING DOOR AND REMOVE HARDWARE. THIS DOOR WILL NOT BE USED. ADD BLACK FILM TO INSIDE OF DOOR.
11. 18" X 18" GRAVEL BED CENTERED ON RAIN CHAINS. CONNECT TO EXISTING STORM DRAINAGE.
12. RELOCATE EXISTING PATIO DRAIN AS REQUIRED FOR NEW FOOTERS.



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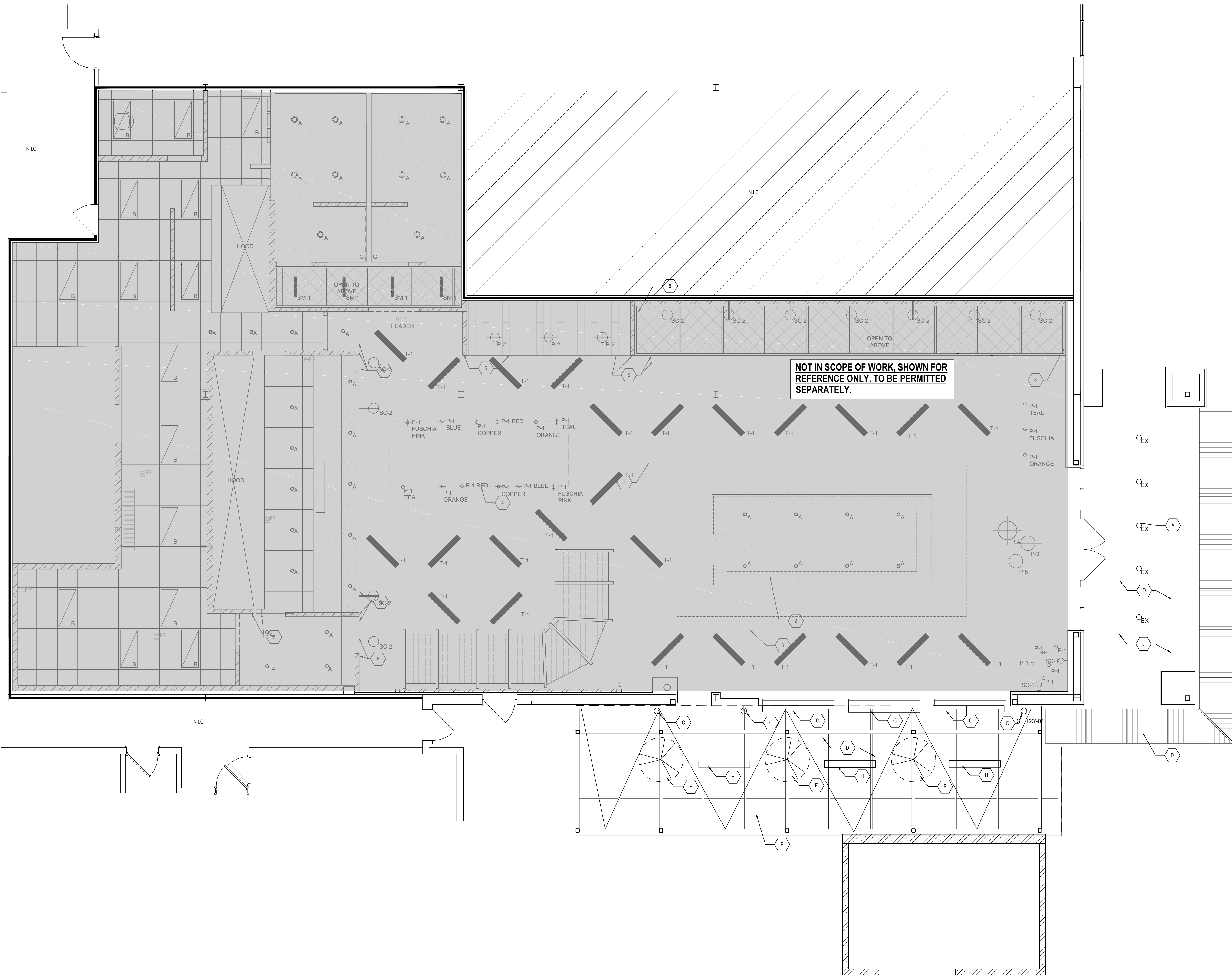
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BUILDING PLAN

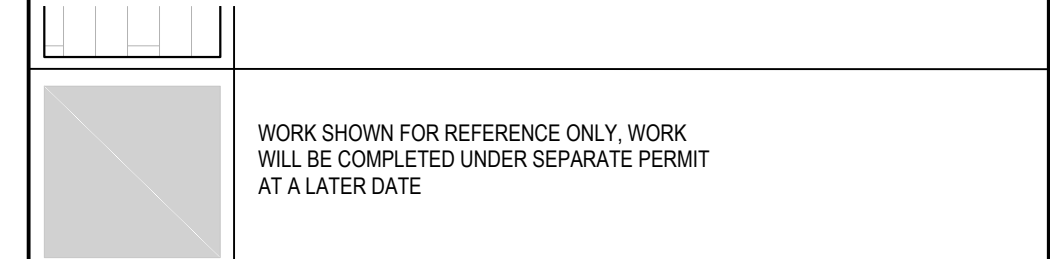
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LIGHTING NOTES:

1. ALL FIXTURES TO BE PROVIDED BY, RECEIVED, STORED & INSTALLED BY ELECTRICAL CONTRACTOR
2. GENERAL CONTRACTOR TO VERIFY STOCK AND LEAD TIMES FOR ALL LIGHTING AT BEGINNING OF PROJECT AND CONTACT D3 STUDIO WITH ANY ISSUES.
3. ELECTRICAL CONTRACTOR SHALL SUPPLY 10% ADDITIONAL SPARE, OF ALL LAMP TYPES, TO BE LEFT AT JOB SITE AT END OF JOB.
4. ALL EXTERIOR LIGHTING SHOULD TIE INTO LIGHTING CONTROL PANEL

CEILING KEY:



KEYED NOTES:

- A. NEW FIXTURES TO REPLACE EXISTING, SEE ELECTRICAL DRAWINGS, TYP
- B. STRING LIGHTS AT EXTERIOR PATIO
- C. NEW SCENCE LIGHTING TO REPLACE EXISTING FIXTURES, FEISS OL11603ORB-LED OUTDOOR WALL LANTERN
- D. SEE EXTERIOR ELEVATIONS FOR ROOF AND CEILING HEIGHTS
- E. NEW EXTERIOR FANS, 52" OUTDOOR "HAIRU" FAN IN OIL RUBBED BRONZE WITH UNIVERSAL MOUNT OR APPROVED EQUAL
- F. 52" HAIKU FAN, OIL RUBBED BRONZE, UNIVERSAL MOUNT
- G. NEW AIR CURTAINS, SEE ELECTRICAL DRAWINGS.
- H. ANKNS NG HEATERS, CALCANA 5' LONG, MOUNT NO HIGHER THAN 10'
- J. SAND AND PREP SURFACE FOR NEW PAINT, PAINT CEILING TO MATCH S.1 BRICK, SW 7831



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HAWKERS
 ASIAN STREET FARE

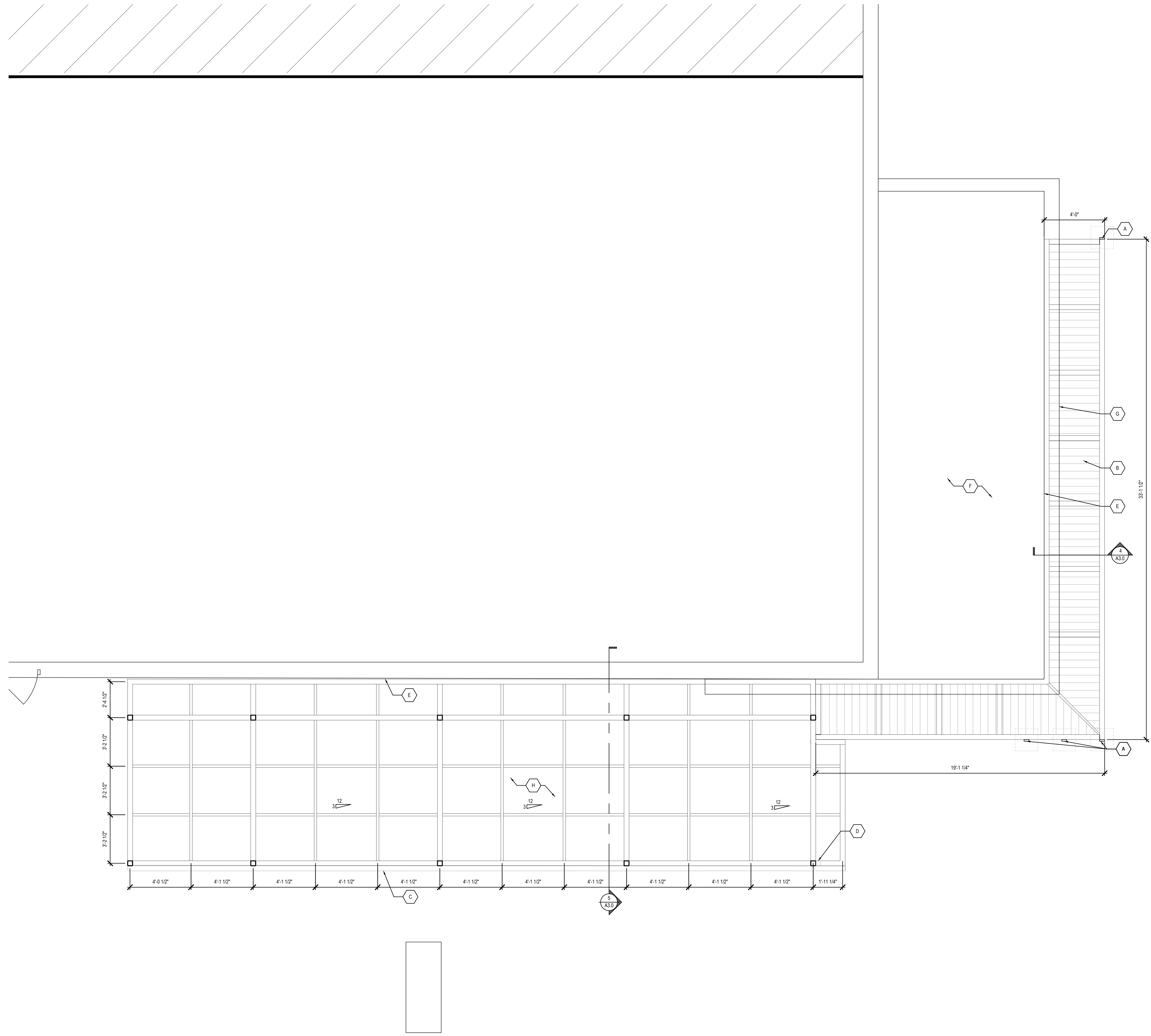
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REFLECTED CEILING PLAN
 EXTERIOR

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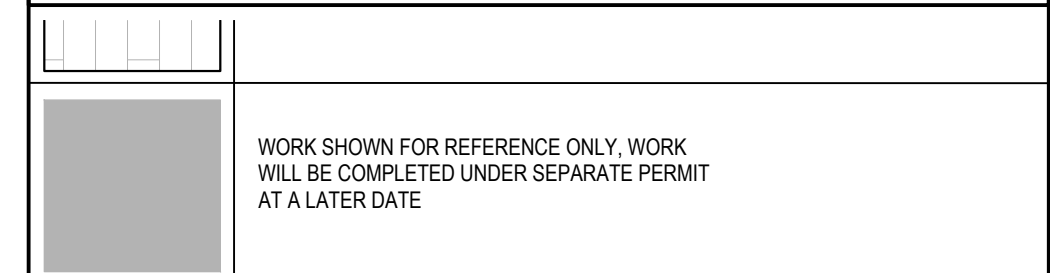
CEILING NOTES:

1. CONTRACTOR IS RESPONSIBLE FOR THE COORDINATION OF ANY ROOF PENETRATION WITH EXISTING PLUMBING, MECHANICAL, ELECTRICAL, STRUCTURAL, AND SPRINKLER SYSTEMS.
2. GENERAL CONTRACTOR SHALL CONFIRM ALL CEILING HEIGHTS AND COORDINATE WITH EXISTING CONDITIONS. NOTIFY OWNER/ARCHITECT IF SPECIFIED HEIGHTS CANNOT BE ACHIEVED.
3. REFER TO ELECTRICAL DRAWINGS FOR POWER & CIRCUIT INFORMATION.
4. REFER TO FINISH SCHEDULE FOR CEILING SPECIFICATIONS & FINISHES.
5. NEW CEILING GRID IN COMPLIANCE WITH 1513 OF NCIBC. REFER TO MECHANICAL AND ELECTRICAL FOR CEILING GRID INFORMATION.
6. DUCTWORK IS TO REMAIN UNPAINTED WHEN DECK IS SPRAYED OUT. REFER TO FINISH SCHEDULE.

LIGHTING NOTES:

1. ALL FIXTURES TO BE PROVIDED BY, RECEIVED, STORED & INSTALLED BY ELECTRICAL CONTRACTOR
2. GENERAL CONTRACTOR TO VERIFY STOCK AND LEAD TIMES FOR ALL LIGHTING AT BEGINNING OF PROJECT AND CONTACT D3 STUDIO WITH ANY ISSUES.
3. ELECTRICAL CONTRACTOR SHALL SUPPLY 10% ADDITIONAL SPARE, OF ALL LAMP TYPES, TO BE LEFT AT JOB SITE AT END OF JOB.

CEILING KEY:



KEYED NOTES:

- A. BUILT IN SCUPPER, ADD RAIN CHAIN BELOW. NEW RAIN CHAIN WITH 18"x18" GRAVEL SED CONNECTED TO EXISTING DRAINAGE. MANUFACTURER: RAINCHAINS.COM MODEL: BRONZE ANCHOR CHAIN #ANCH-01-BRZ
- B. NEW PREFINISHED ALUMINUM CANOPY TO MATCH STOREFRONTS WITH INTERNAL DRAINAGE TO SCUPPERS AS SHOWN. CANOPY TO ATTACH TO EXISTING STEEL BEAM. SEE STRUCTURAL.
- C. K&M SHEET METAL GUTTER, CUSTOM 4" BOX GUTTER IN DARK BRONZE
- D. K&M SHEET METAL DOWN SPOUT TO GRASS AREA, 0.32 3" X 4" PLAIN SQUARE DOWNSPOUT IN DARK BRONZE
- E. SEAL AND FLASH ALL AREAS WHERE CANOPY OR ROOF CONNECTS TO BUILDING
- F. EXISTING ROOF AND PARAPET TO REMAIN
- G. LINE OF PARAPET ABOVE CANOPY ROOF
- H. STEEL FRAME WITH POLYCARBONATE ROOF SYSTEM. SEE STRUCTURAL FOR STEEL MEMBER SIZES AND CONNECTION DETAILS. CORRUGATED POLYCARBONATE SHEETS, INSTALL PER MANUFACTURER RECOMMENDATIONS. MANUFACTURER: EXCELITE. CORRUGATED POLYCARBONATE SHEETS COLORED: BRONZE OR OPAL (PROVIDE SAMPLES) WITH FIRE RATING: PROFILE: 0011 UV PROTECTION LAYER



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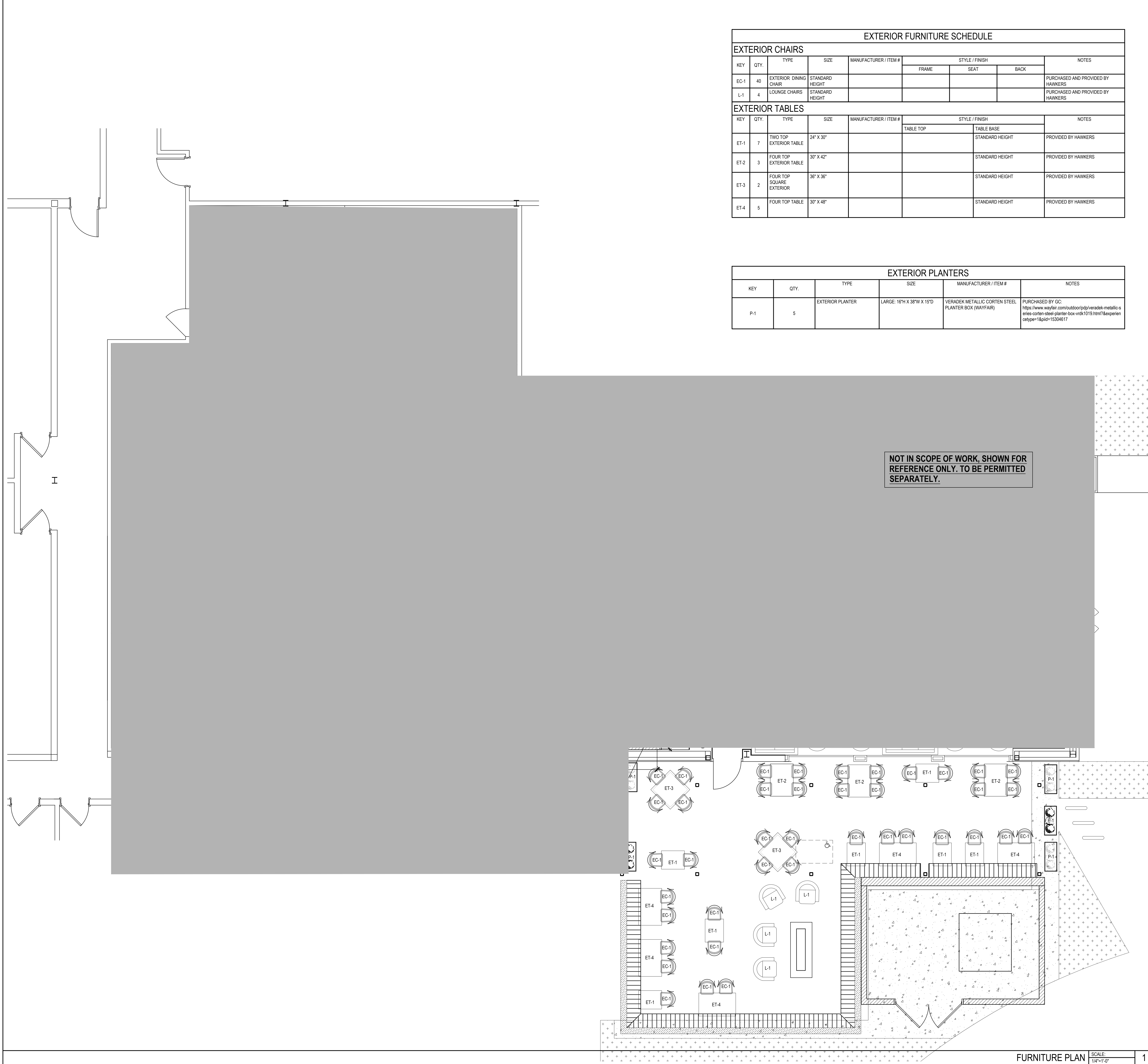
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EXTERIOR ROOF PLAN

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EXTERIOR FURNITURE SCHEDULE								
EXTERIOR CHAIRS								
KEY	QTY.	TYPE	SIZE	MANUFACTURER / ITEM #	STYLE / FINISH			NOTES
					FRAME	SEAT	BACK	
EC-1	40	EXTERIOR DINING CHAIR	STANDARD HEIGHT					PURCHASED AND PROVIDED BY HAWKERS
L-1	4	LOUNGE CHAIRS	STANDARD HEIGHT					PURCHASED AND PROVIDED BY HAWKERS
EXTERIOR TABLES								
KEY	QTY.	TYPE	SIZE	MANUFACTURER / ITEM #	STYLE / FINISH		NOTES	
					TABLE TOP	TABLE BASE		
ET-1	7	TWO TOP EXTERIOR TABLE	24" X 30"			STANDARD HEIGHT	PROVIDED BY HAWKERS	
ET-2	3	FOUR TOP EXTERIOR TABLE	30" X 42"			STANDARD HEIGHT	PROVIDED BY HAWKERS	
ET-3	2	FOUR TOP SQUARE EXTERIOR	36" X 36"			STANDARD HEIGHT	PROVIDED BY HAWKERS	
ET-4	5	FOUR TOP TABLE	30" X 48"			STANDARD HEIGHT	PROVIDED BY HAWKERS	

EXTERIOR PLANTERS					
KEY	QTY.	TYPE	SIZE	MANUFACTURER / ITEM #	NOTES
P-1	5	EXTERIOR PLANTER	LARGE: 16"H X 38"W X 15"D	VERADEK METALLIC CORTEN STEEL PLANTER BOX (WAYFAIR)	PURCHASED BY GC: https://www.wayfair.com/outdoor/ptp/veradek-metallic-6-series-corten-steel-planter-box-vrk1019.htm?&experien_cotype=1&pid=15304617

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FURNITURE NOTES:

- ACCESSIBLE DINING SURFACES SHALL COMPLY WITH ICC/ANSI A117.1-2009 AND WITH CLEAR FLOOR SPACE AS INDICATED ON PLAN.
- ALL FINISHES TO COMPLY WITH 2012 NCSB: TABLE 803.9 AND TABLE 804, 806 AND 807 OF IFC.
- FURNITURE PROVIDED BY OWNER AND SHOWN FOR REPRESENTATION ONLY.

KEYED NOTES:

(A) :
(B) :

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



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EXTERIOR FURNITURE PLAN

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DEMOLITION NOTES:

1. REMOVE ALL ITEMS AS INDICATED BY DASHED LINES ON PLANS.
2. CARE SHALL BE TAKEN DURING DEMOLITION SO AS NOT TO DAMAGE OR ALTER ANY EXISTING STRUCTURAL MEMBERS. THE ARCHITECT AND OWNER SHALL BE NOTIFIED IMMEDIATELY IF ANY DAMAGE OCCURS OR IS DISCLOSED DURING DEMOLITION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND DISPOSING IN A PROPER MANNER FROM THE SITE ALL RUBBLE AND DEBRIS CAUSED BY DEMOLITION.
4. REMOVE OR RELOCATE ANY SPRINKLER/SEWER/PLUMBING LINES AS REQUIRED IN FIELD PER OWNERS AND/OR LOCAL AUTHORITY APPROVALS.
5. GENERAL CONTRACTOR TO COORDINATE WITH THE OWNER AND ARCHITECT AS TO THE DISPOSAL OF ALL ITEMS REMOVED.
6. GENERAL CONTRACTOR SHALL PATCH AND REPAIR ALL CEILINGS, WALL AND FLOORS, AS REQUIRED TO RECEIVE NEW FINISHES.
7. GENERAL CONTRACTOR TO FIELD VERIFY EXISTING CONDITIONS. REPORT ANY DISCREPANCIES BACK TO THE ARCHITECT BEFORE DEMOLITION BEGINS.
8. INSTALL TEMPORARY FENCING AND BARRICADES WHERE NEEDED.



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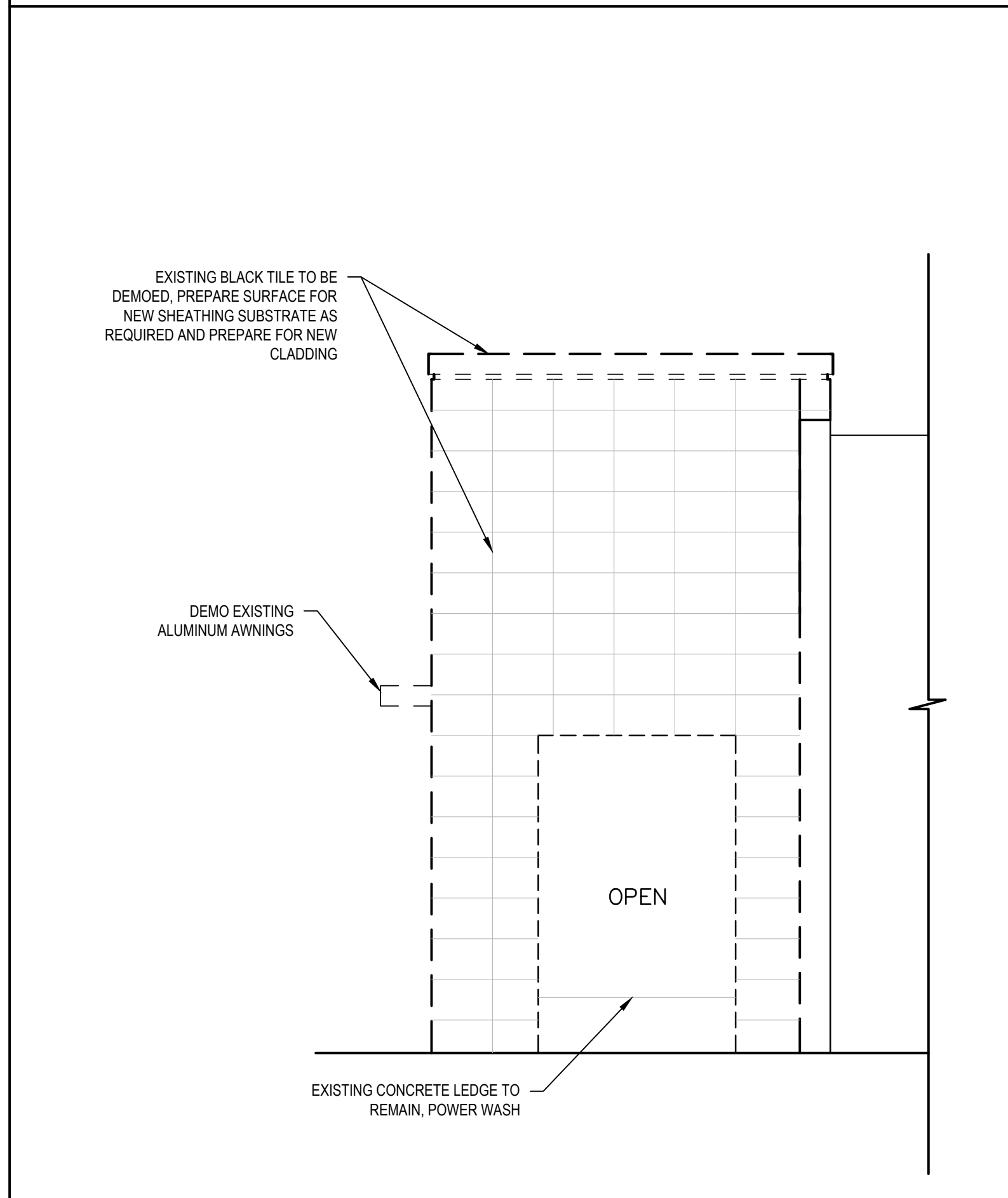
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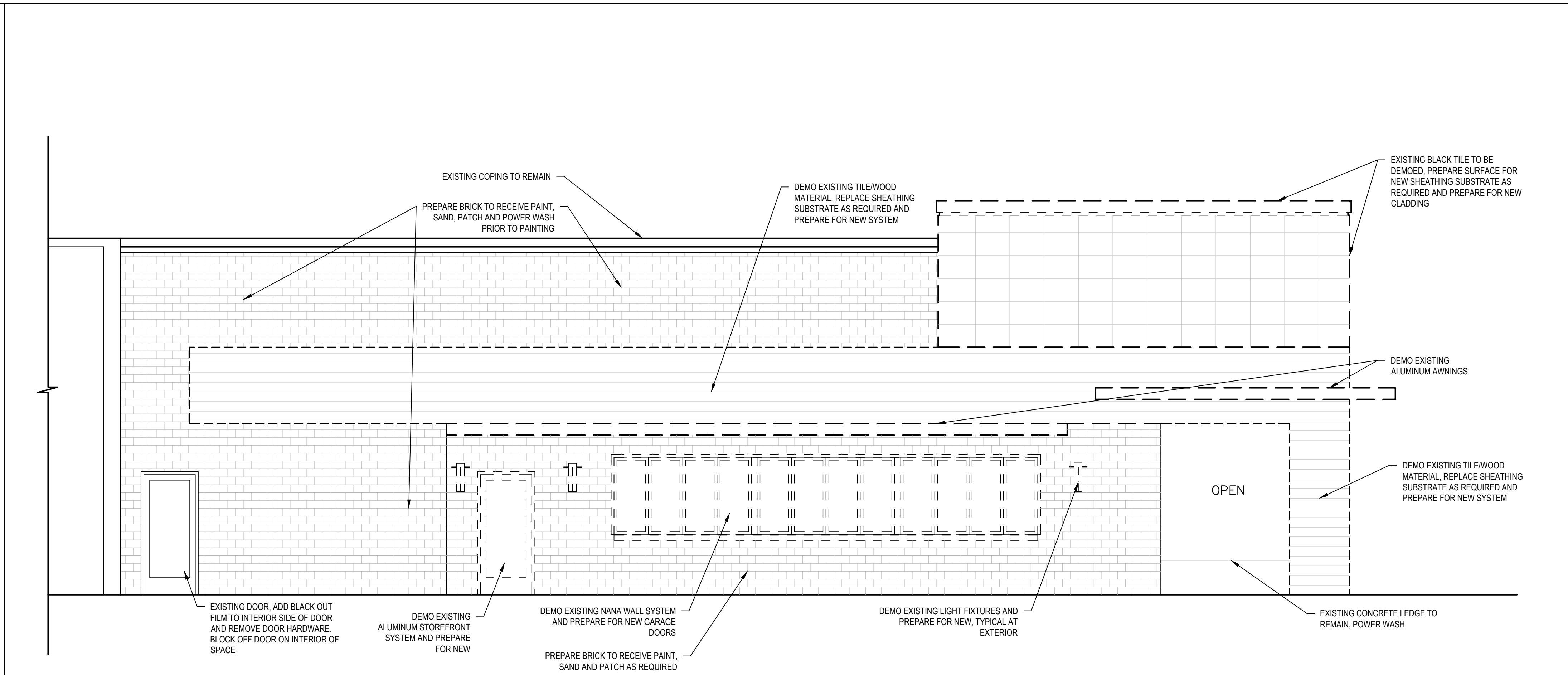
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EXTERIOR ELEVATIONS
 DEMOLITION WORK

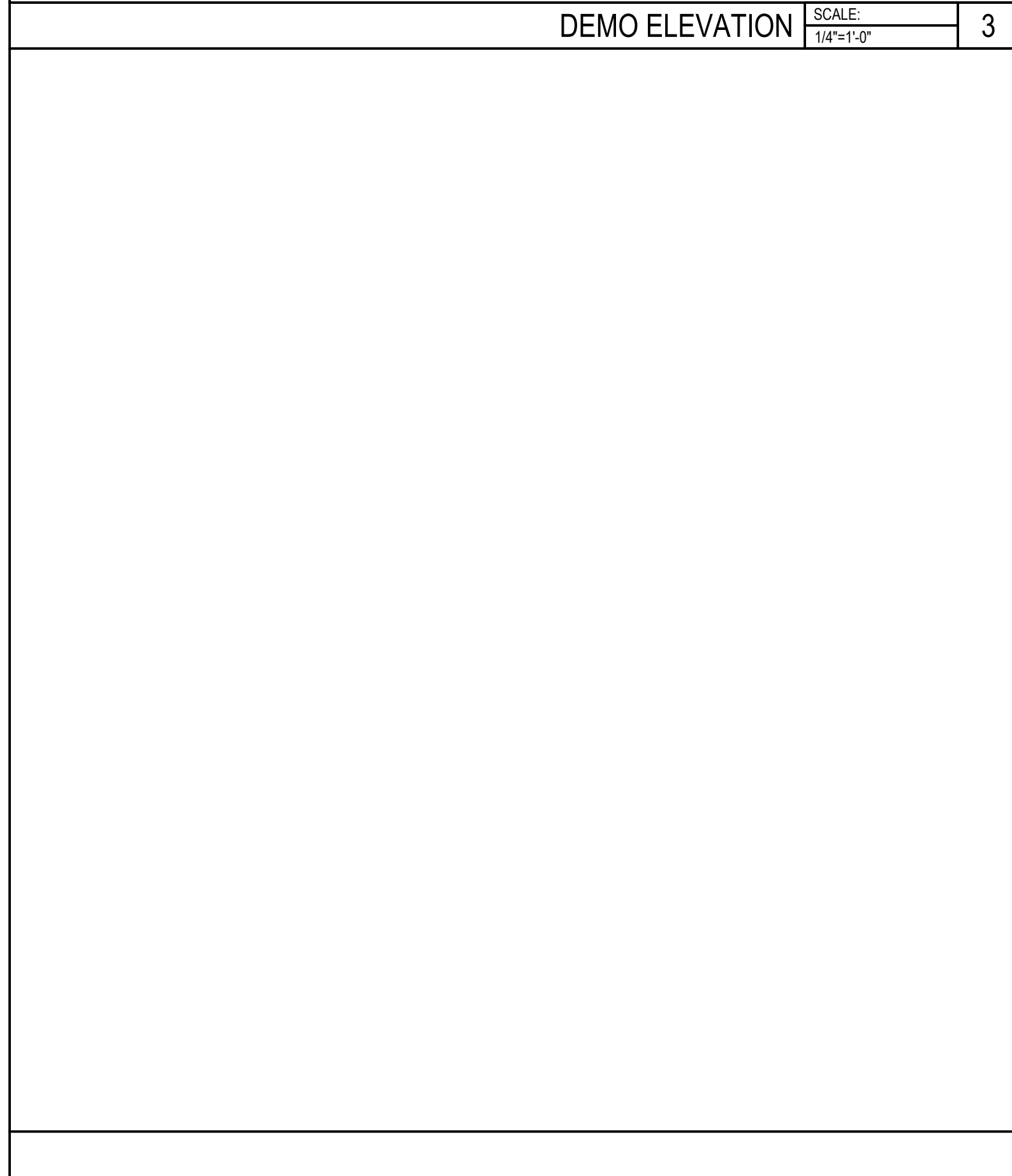
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DEMO ELEVATION SCALE: 1/4"=1'-0" 3



DEMO ELEVATION SCALE: 1/4"=1'-0" 2

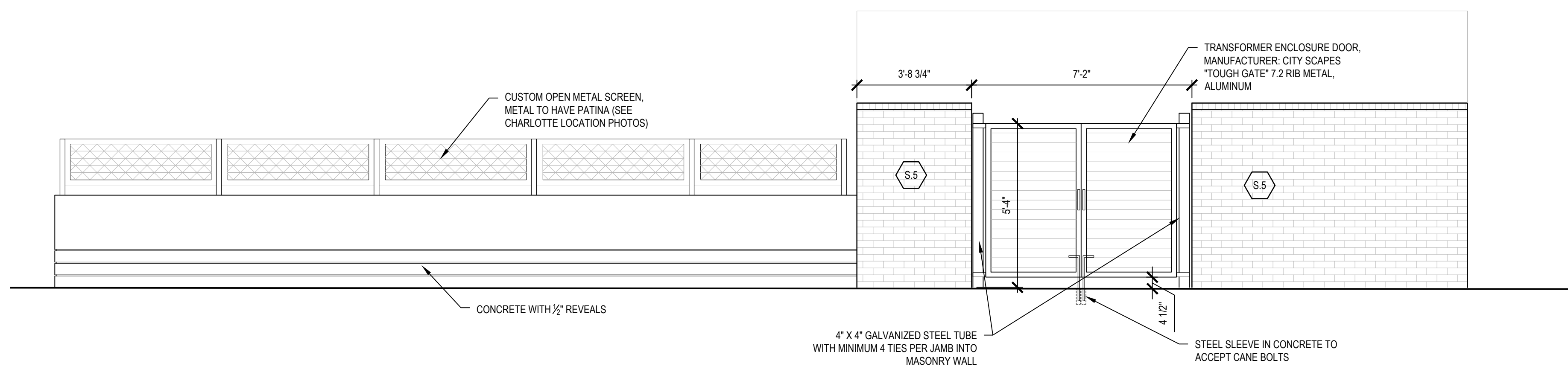


DEMO ELEVATION SCALE: 1/4"=1'-0" 1

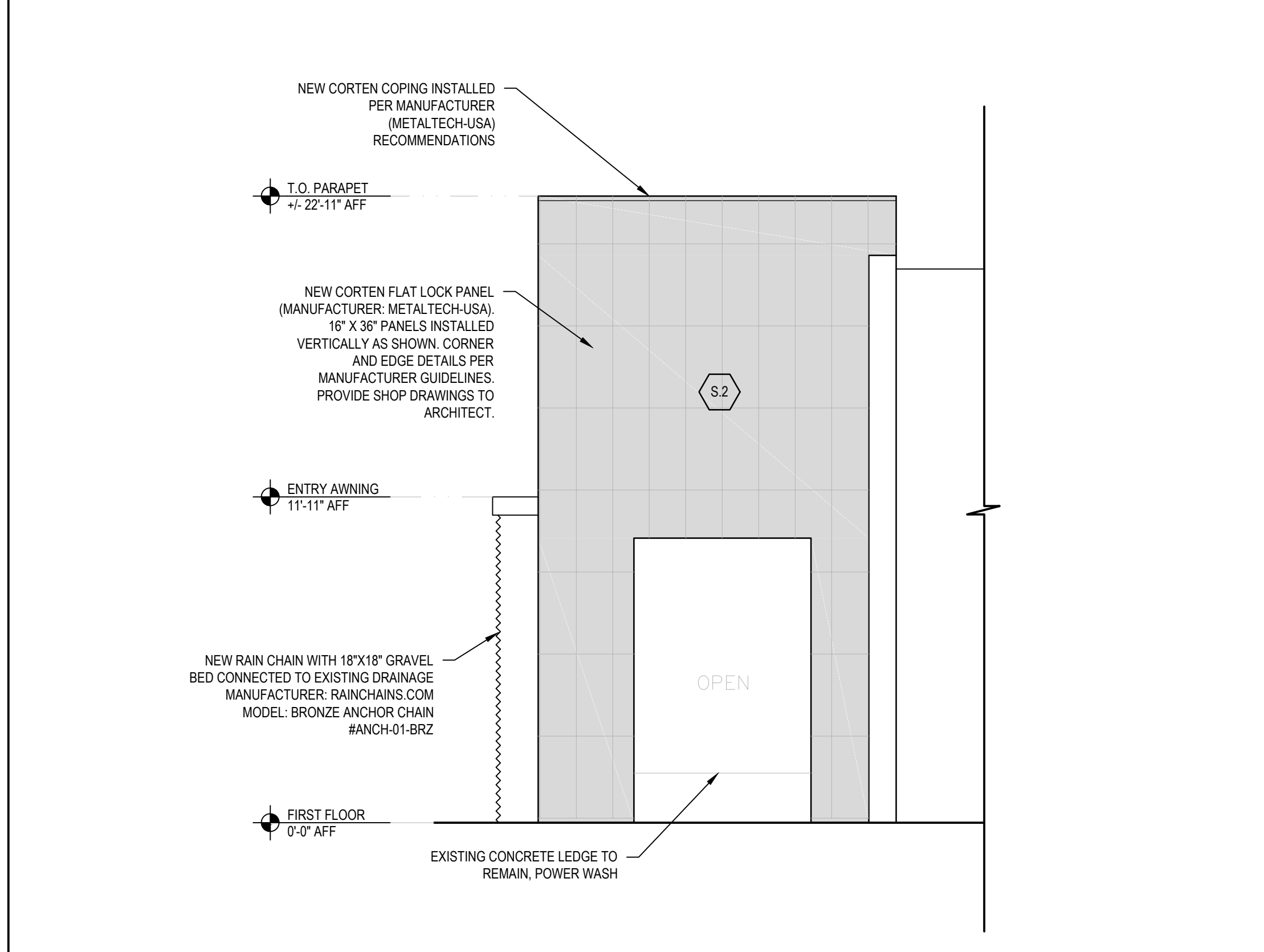
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EXTERIOR FINISH SCHEDULE					
BUILDING MATERIAL	MATERIAL	GRAPHIC	MANUFACTURER	MODEL	COLOR
BUILDING SKIN S.1	BRICK PAINT		SHERWIN WILLIAMS	SAND AND POWER WASH EXISTING BRICK PRIOR TO PAINTING 2 COATS: S-W DURATON EXTERIOR SATIN, K33 SERIES	SW7631
BUILDING SKIN S.2	CORTEN CLADDING		METALTECH.COM	CORTEN WEATHERING STEEL FLATLOCK PANELS	CORTEN WEATHERING STEEL
BUILDING SKIN S.3	COMPOSITE WOOD CLADDING		NEWTechWOOD	WALL CLADDING-ALL WEATHER SYSTEM SIDING	ROMAN ANTIQUE (AT)
BUILDING SKIN S.4	TILE		TILE: ARTAIC GROUT: LATICRETE	TILE: 4X4 SIZE, STACKED INSTALL GROUT: LATICRETE SPECTRALOCK PRO PREMIUM	TILE: F-202 FLAT GROUT: #00 LIGHT PEWTER
BUILDING SKIN S.5	BRICK AT TRANSFORMERM		TRIANGLE BRICK	EVELYN BAY QUEEN SIZE	EVELYN BAY GRAY MORTAR
BUILDING SKIN STOREFRONT	ALUMINUM		EFCO CORP	SEE DOOR & WINDOW SCHEDULE	BRONZE ANODIZED ALUMINUM
BUILDING SKIN SCREEN	CORTEN METAL		CUSTOM		
BUILDING SKIN PATIO ROOF STEEL	METAL PAINT		SHERWIN WILLIAMS	PRIMER: S-W PRO INDUSTRIAL PRO-CRY UNIVERSAL PRIMER, B66W310 2 COATS: S-W PRO INDUSTRIAL WATERBASED ALKO URETHANE LOW SHEEN, B53-1250 SERIES	SW 7675 SEAL SKIN
BUILDING SKIN AWNING	METAL		SHERWIN WILLIAMS	PRIMER: S-W PRO INDUSTRIAL PRO-CRY UNIVERSAL PRIMER, B66W310 2 COATS: S-W PRO INDUSTRIAL WATERBASED ALKO URETHANE LOW SHEEN, B53-1250 SERIES	SW 7675 SEAL SKIN
ROOF PATIO ROOF	POLYCARBONATE		EXCELITE	CORRUGATED POLYCARBONATE SHEETS W/ FIRE RATINGS AND UV PROTECTION PROFILE: 0011	BRONZE OR OPAL PROVIDE SAMPLES
BUILDING SKIN GARAGE DOORS	ALUMINUM		WAYNE DALTON GARAGE DOORS	MODEL 451 WITH JAMB AND HEADER SEALS CUSTOM SIZE TEMPERED GLASS	BRONZE ANODIZED ALUMINUM
PATIO ROOF GUTTER	ALUMINUM		K&M SHEET METAL	CUSTOM 4" BOX GUTTER	DARK BRONZE
PATIO ROOF DOWN SPOUT	ALUMINUM		K&M SHEET METAL	0.32" X 4" PLAIN SQUARE DOWNSPOUT	DARK BRONZE

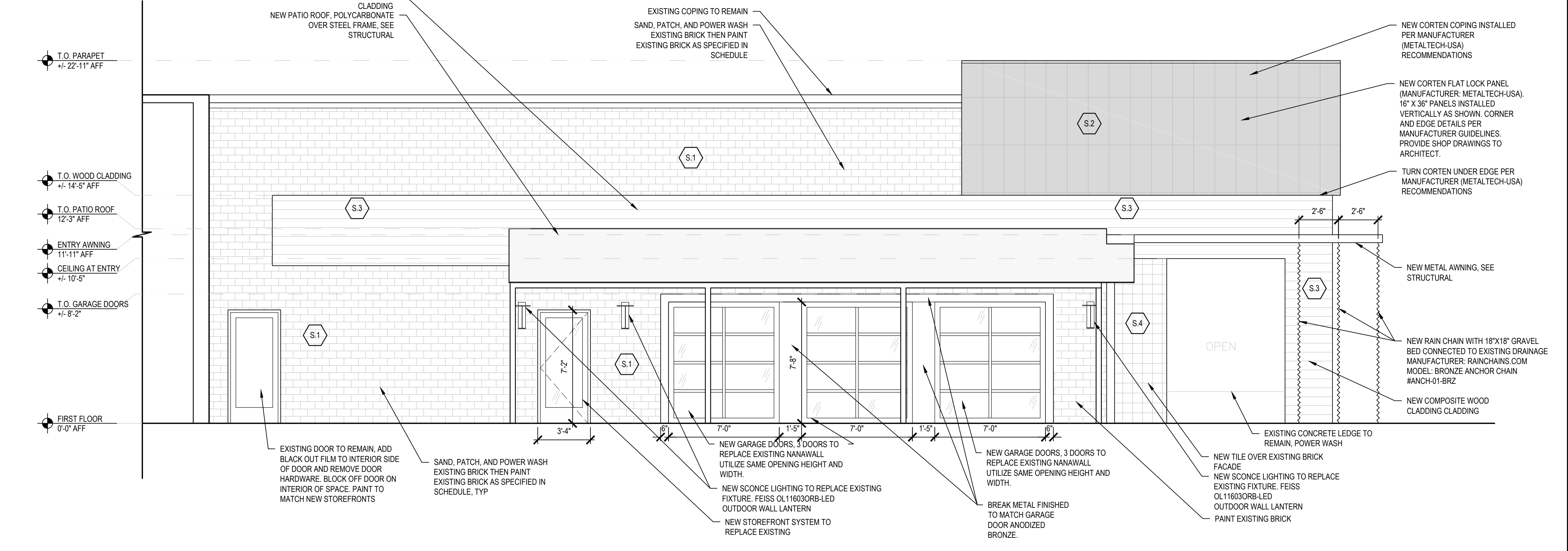
PRESSURE WASH AND SEAL PATIO AND ENTRY AREA AS REQUIRED



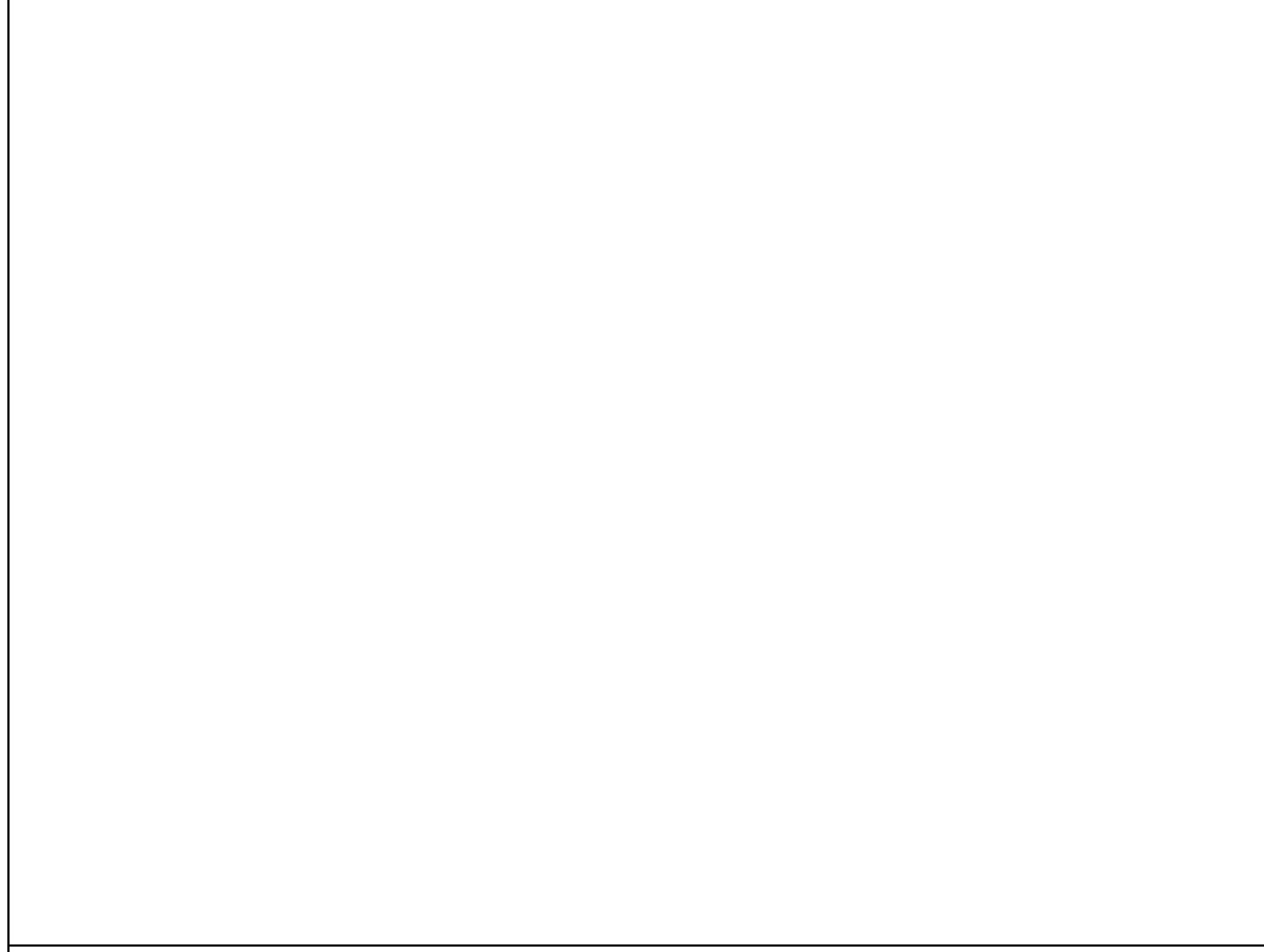
PATIO SIDE ELEVATION SCALE: 1/4"=1'-0" 4



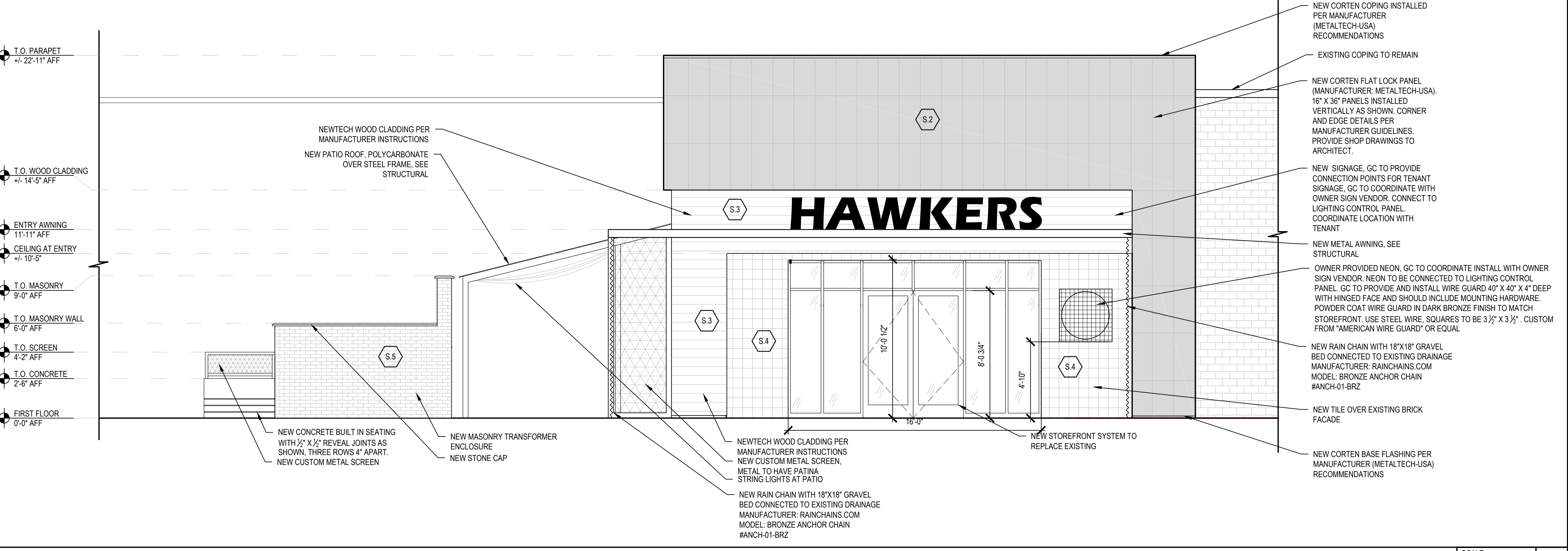
SIDE ELEVATION SCALE: 1/4"=1'-0" 3



PATIO SIDE ELEVATION SCALE: 1/4"=1'-0" 2



SIDE ELEVATION SCALE: 1/4"=1'-0" 3



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



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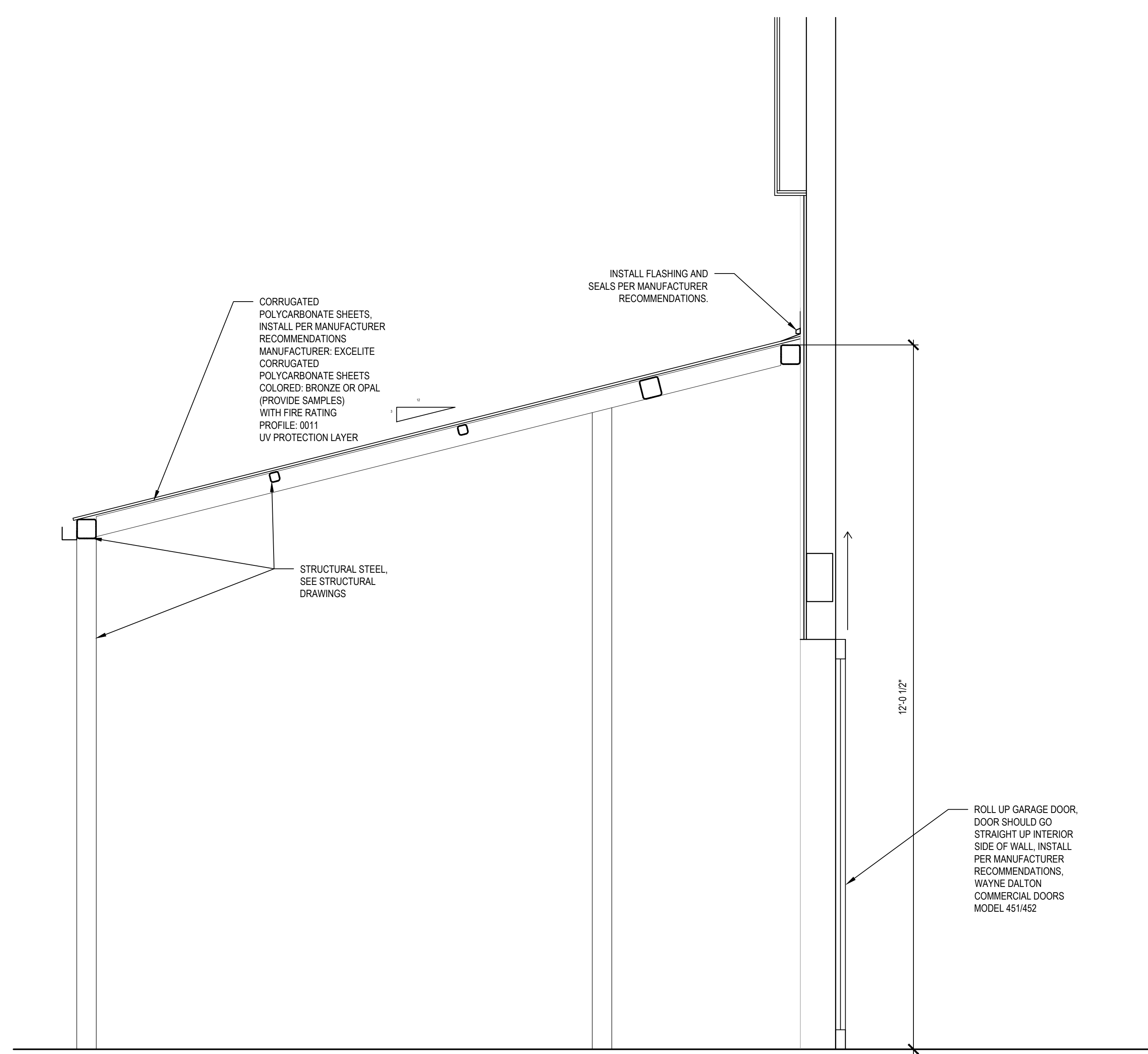
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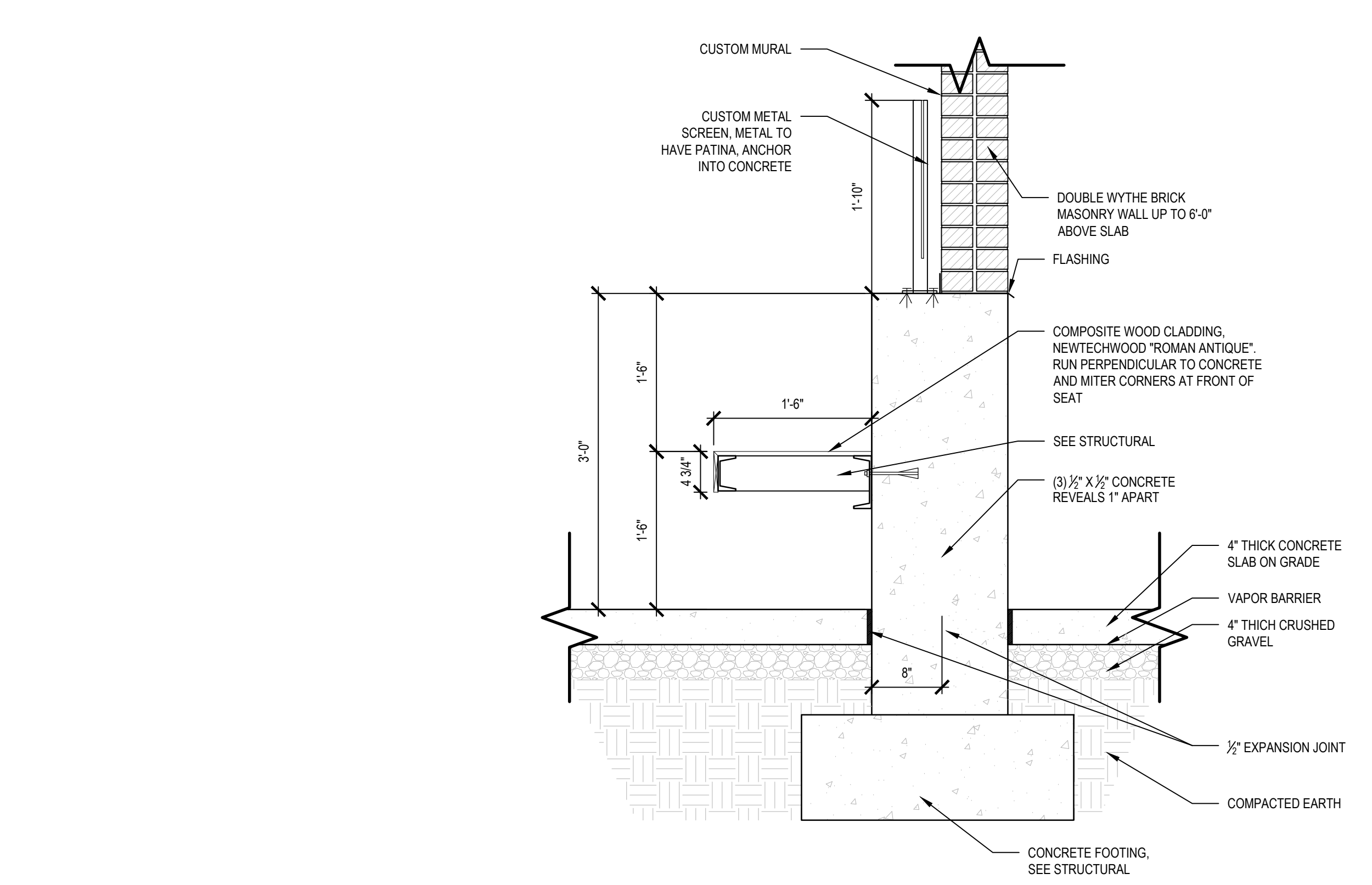
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EXTERIOR ELEVATIONS
NEW WORK

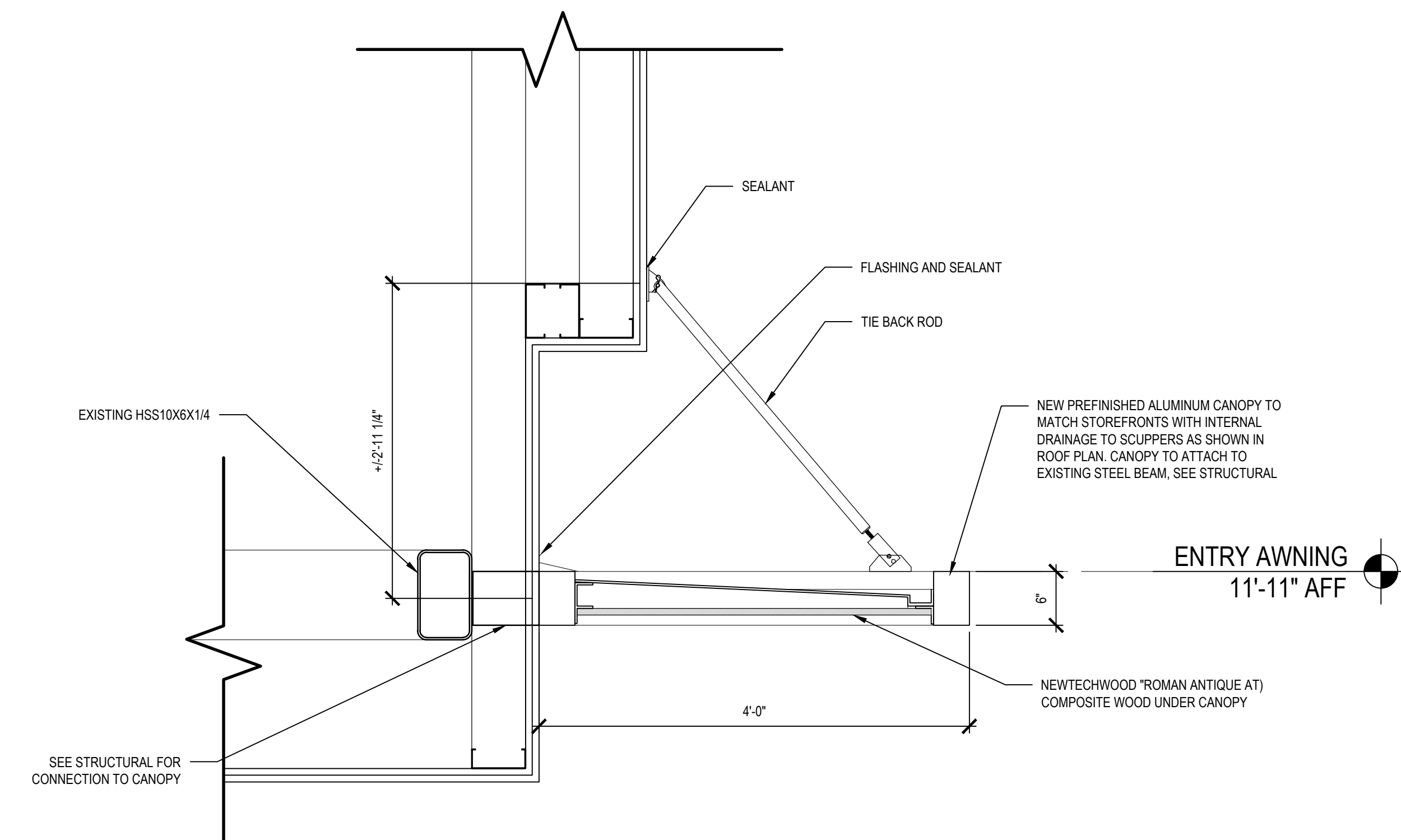
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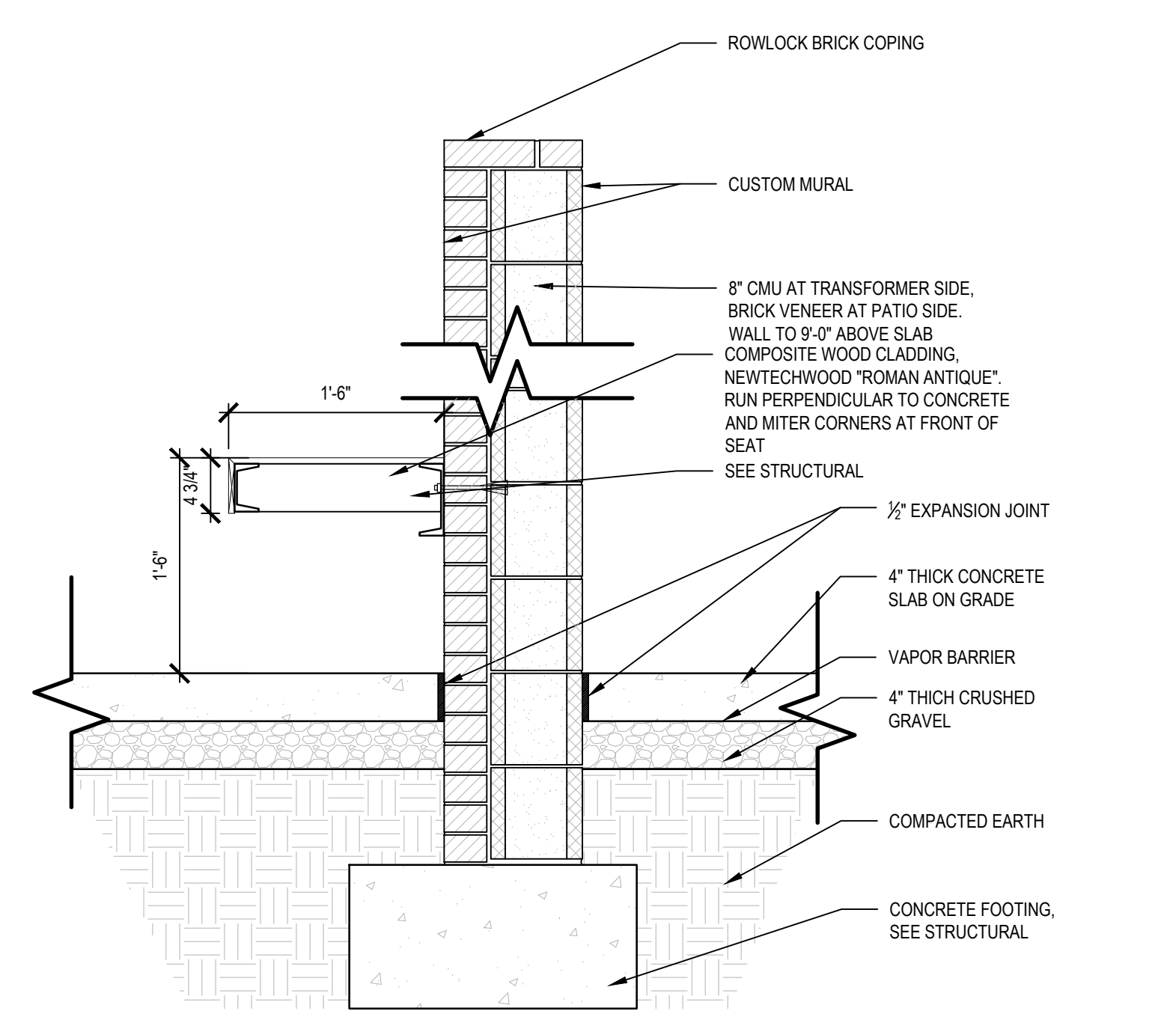
ROOF SECTION SCALE: 3/4"=1'-0" 5



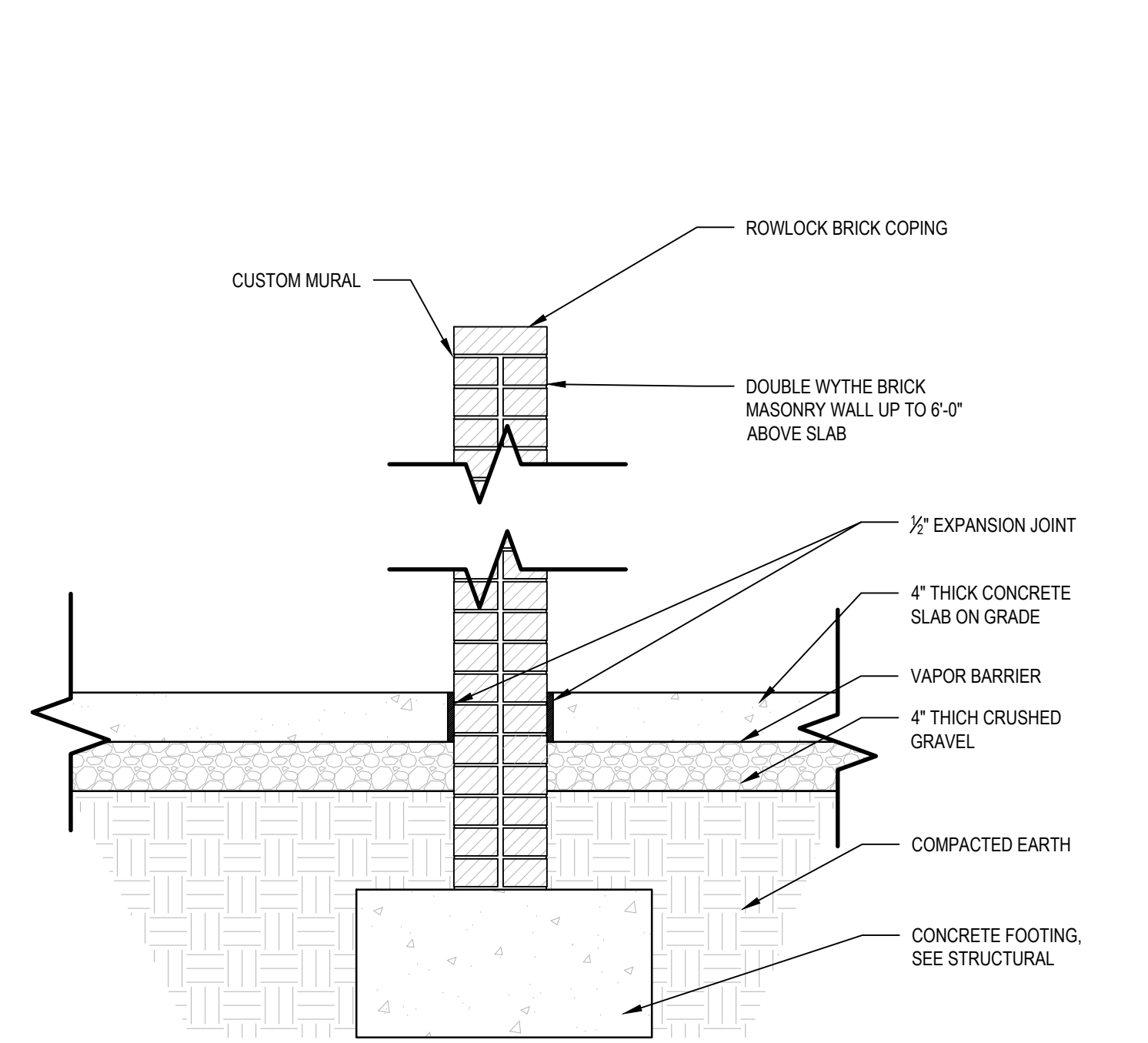
TRANSFORMER ENCLOSURE SECTION SCALE: 1/4"=1'-0" 6



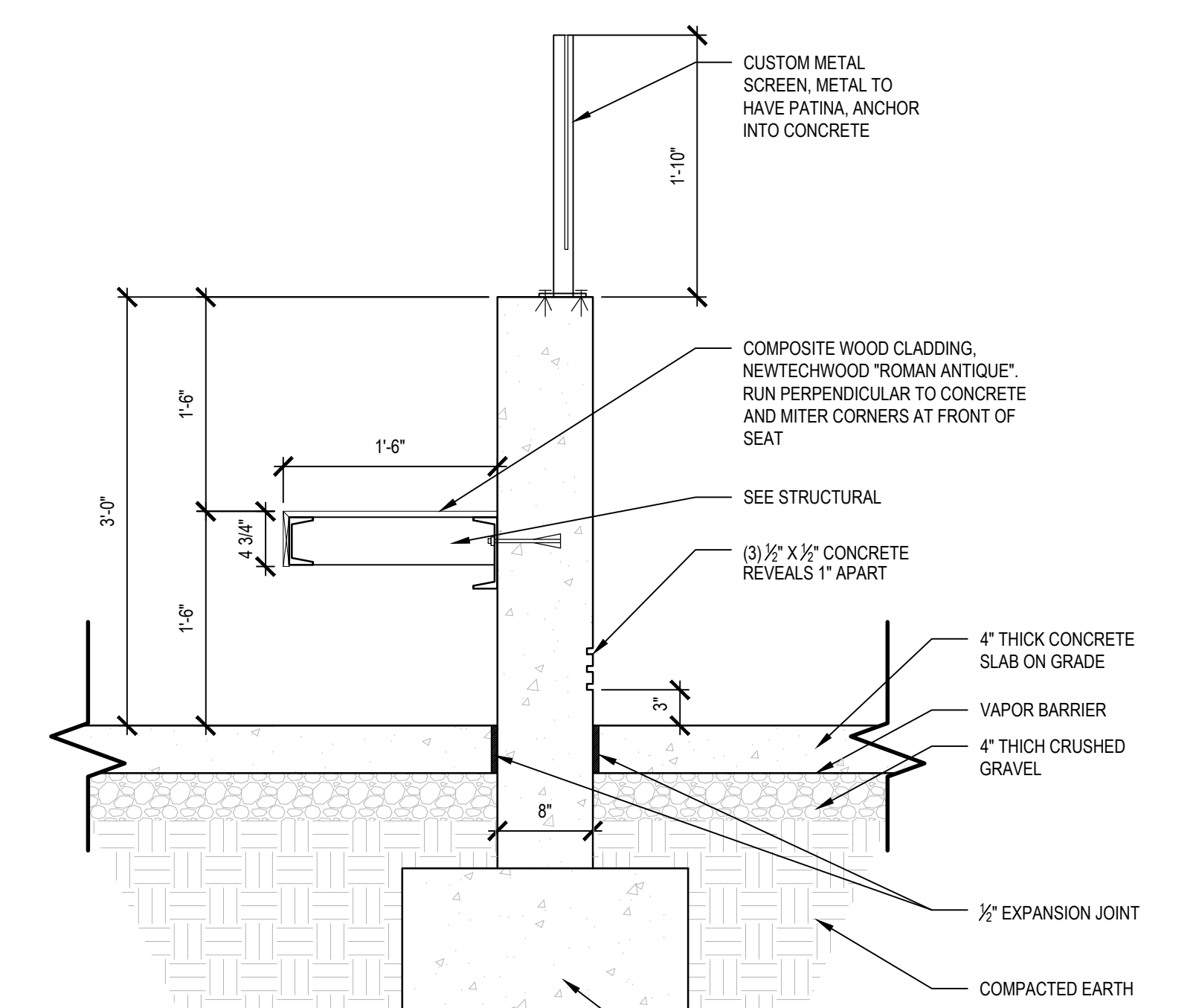
ENTRY CANOPY SECTION SCALE: 1/4"=1'-0" 4



TRANSFORMER ENCLOSURE SECTION SCALE: 1/4"=1'-0" 3



TRANSFORMER ENCLOSURE SECTION SCALE: 1/4"=1'-0" 2



CONCRETE SEATING SECTION SCALE: 1/4"=1'-0" 1



FOR CONSTRUCTION



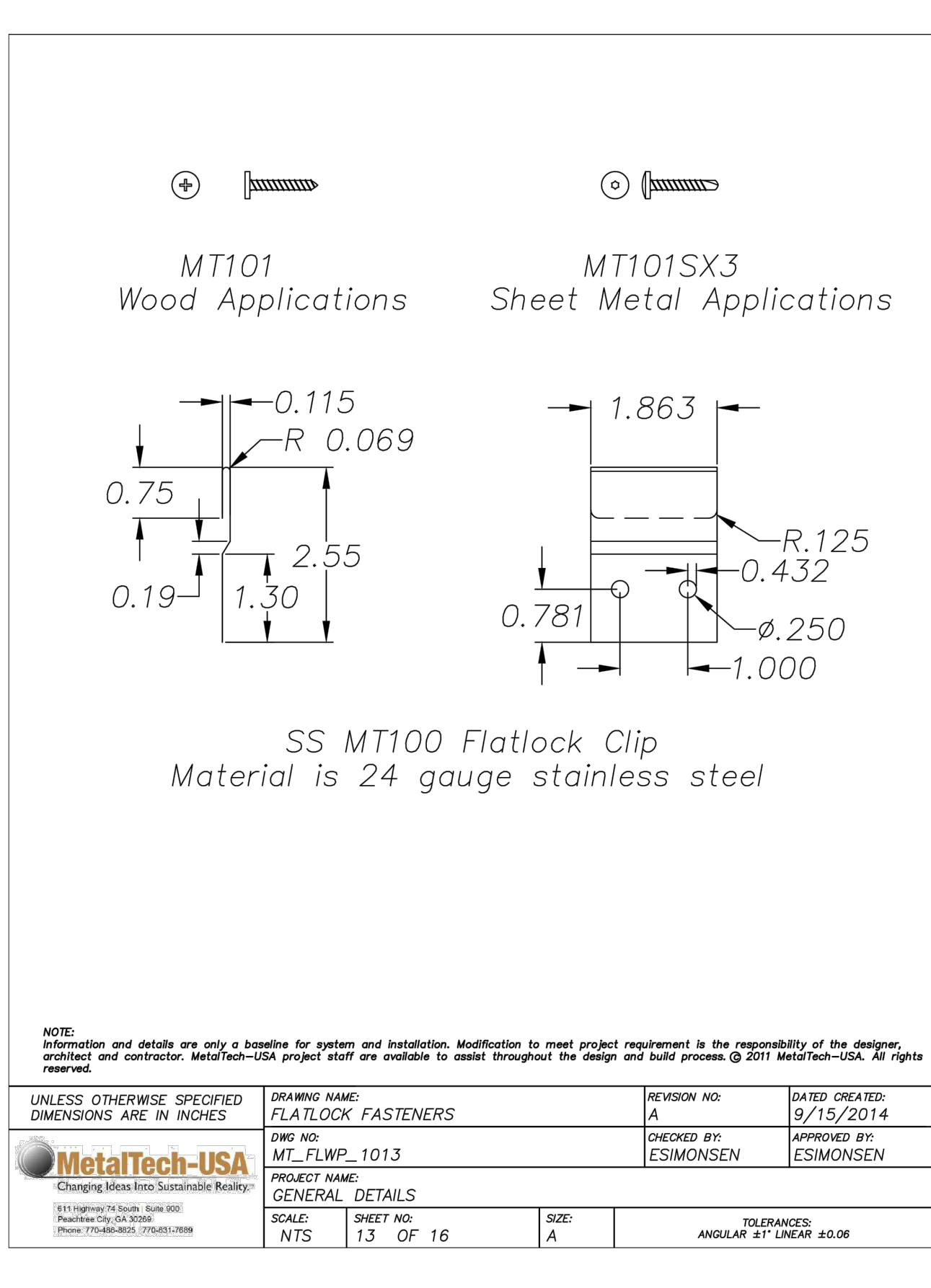
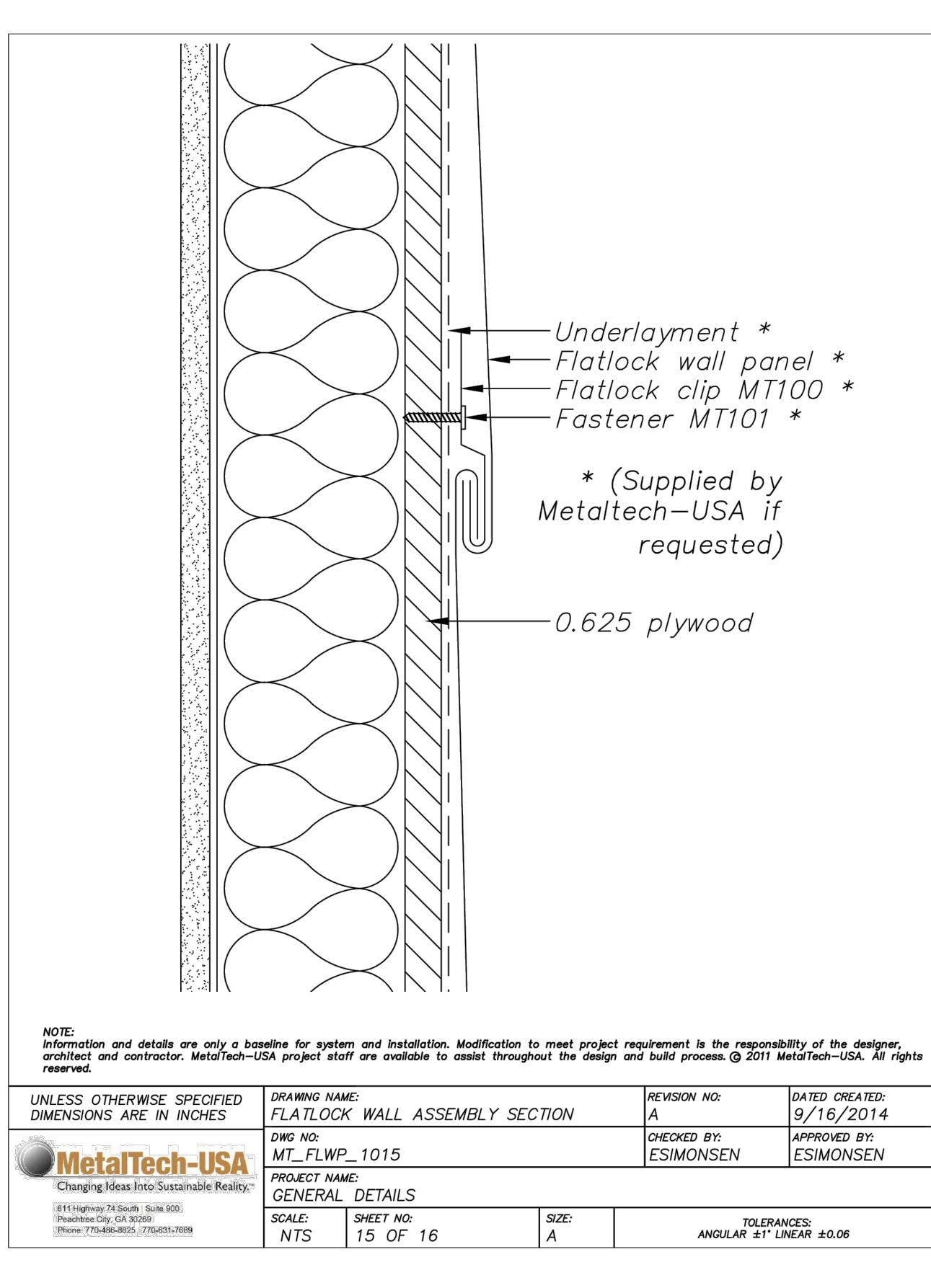
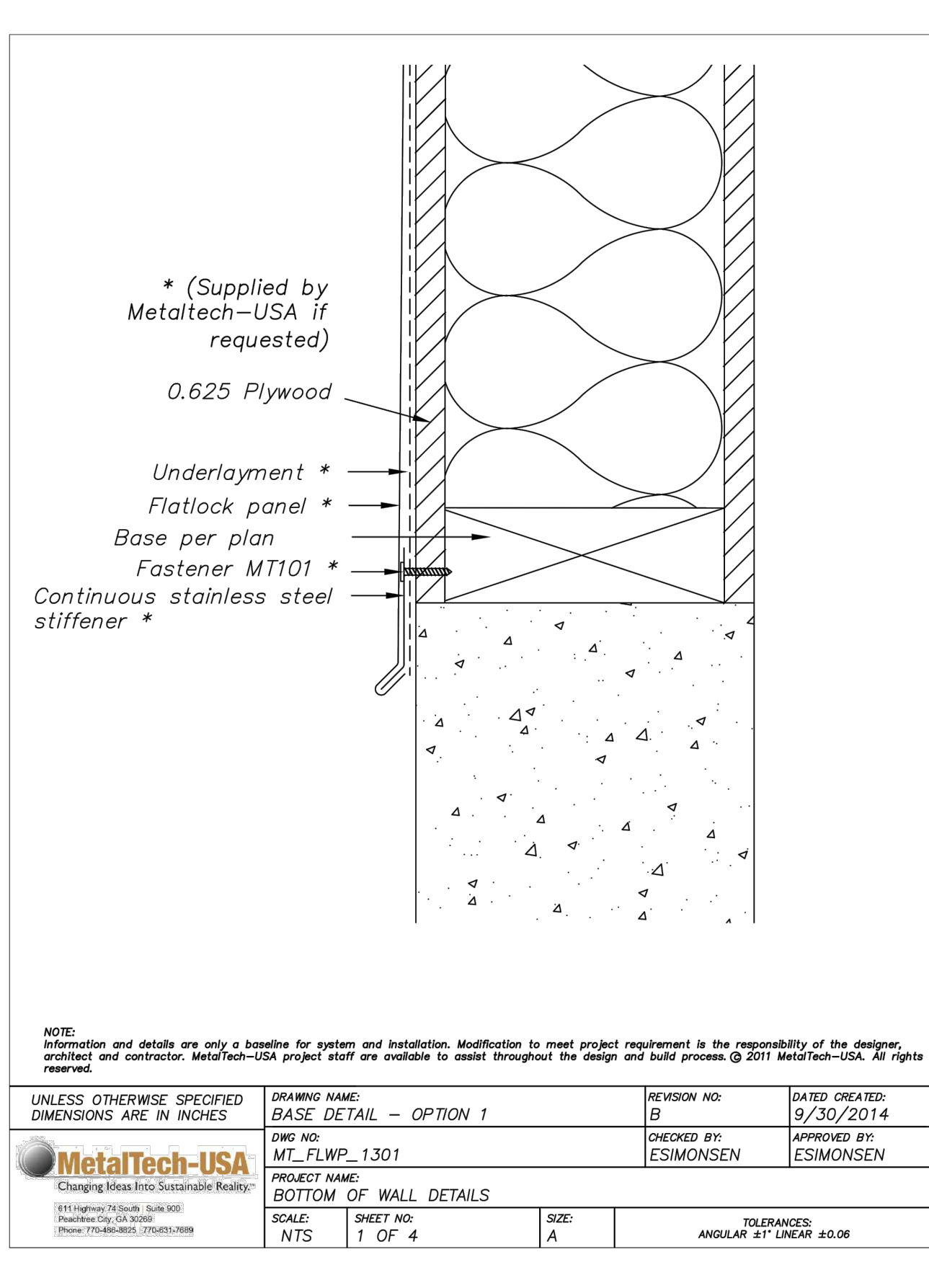
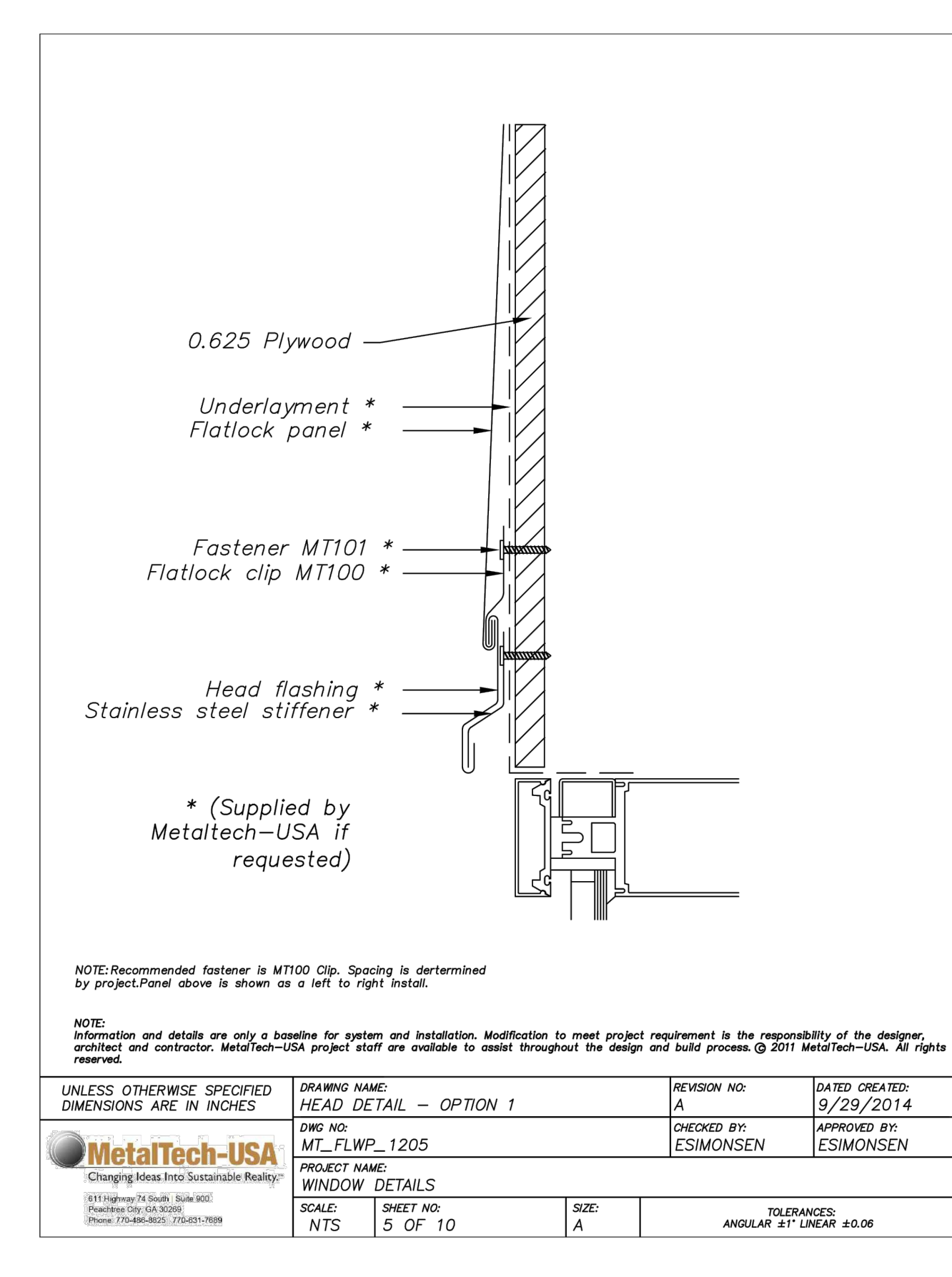
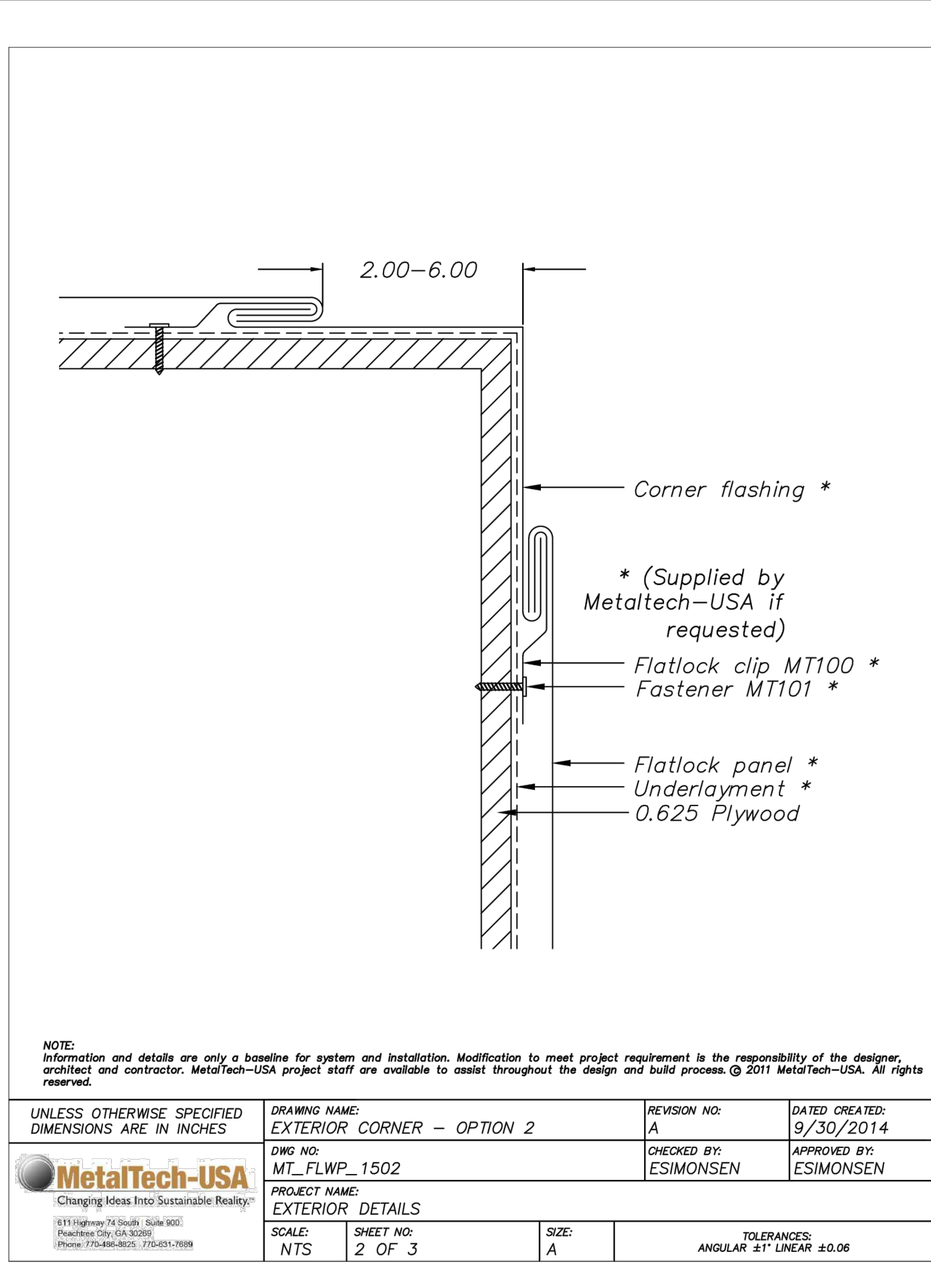
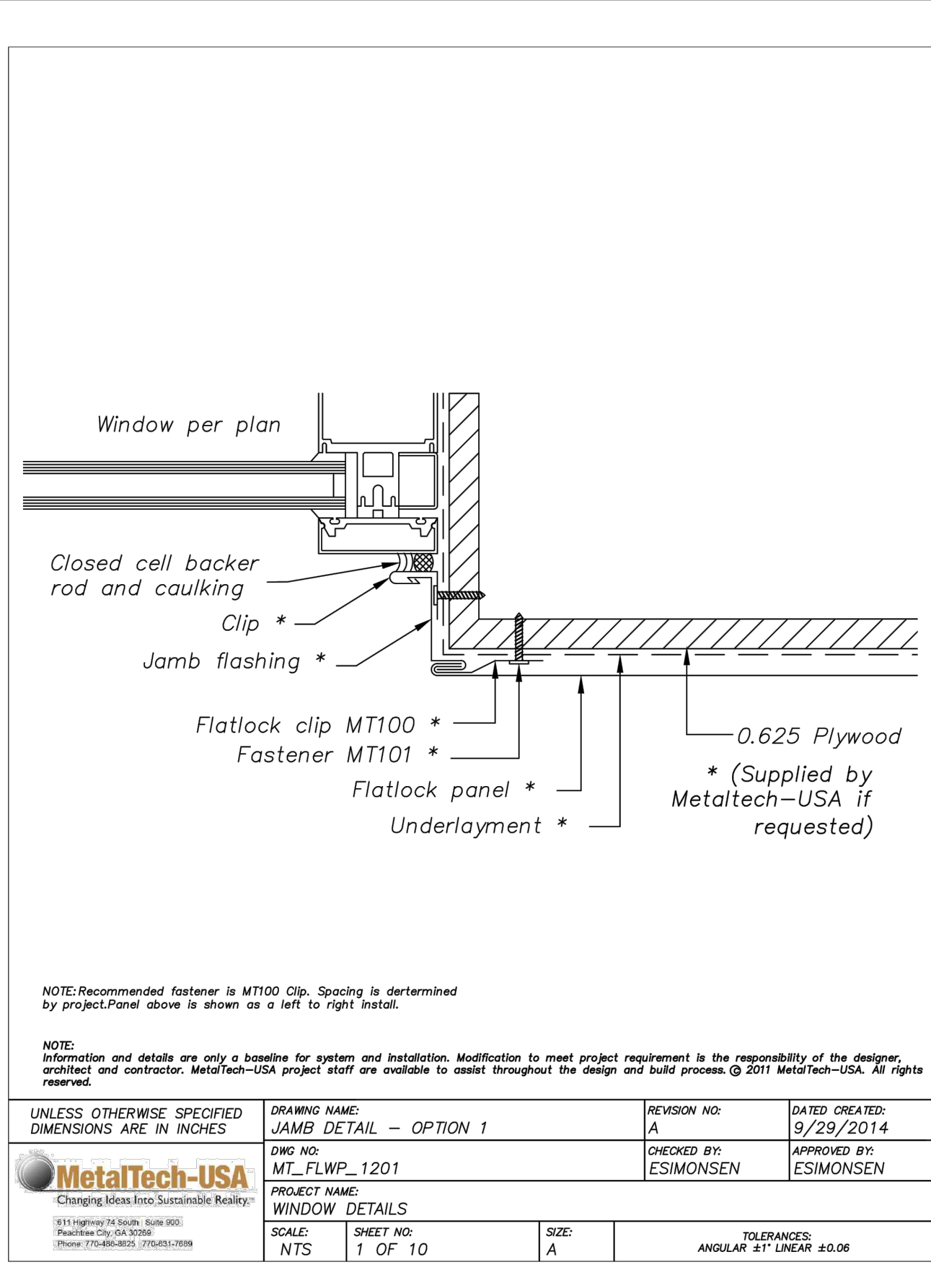
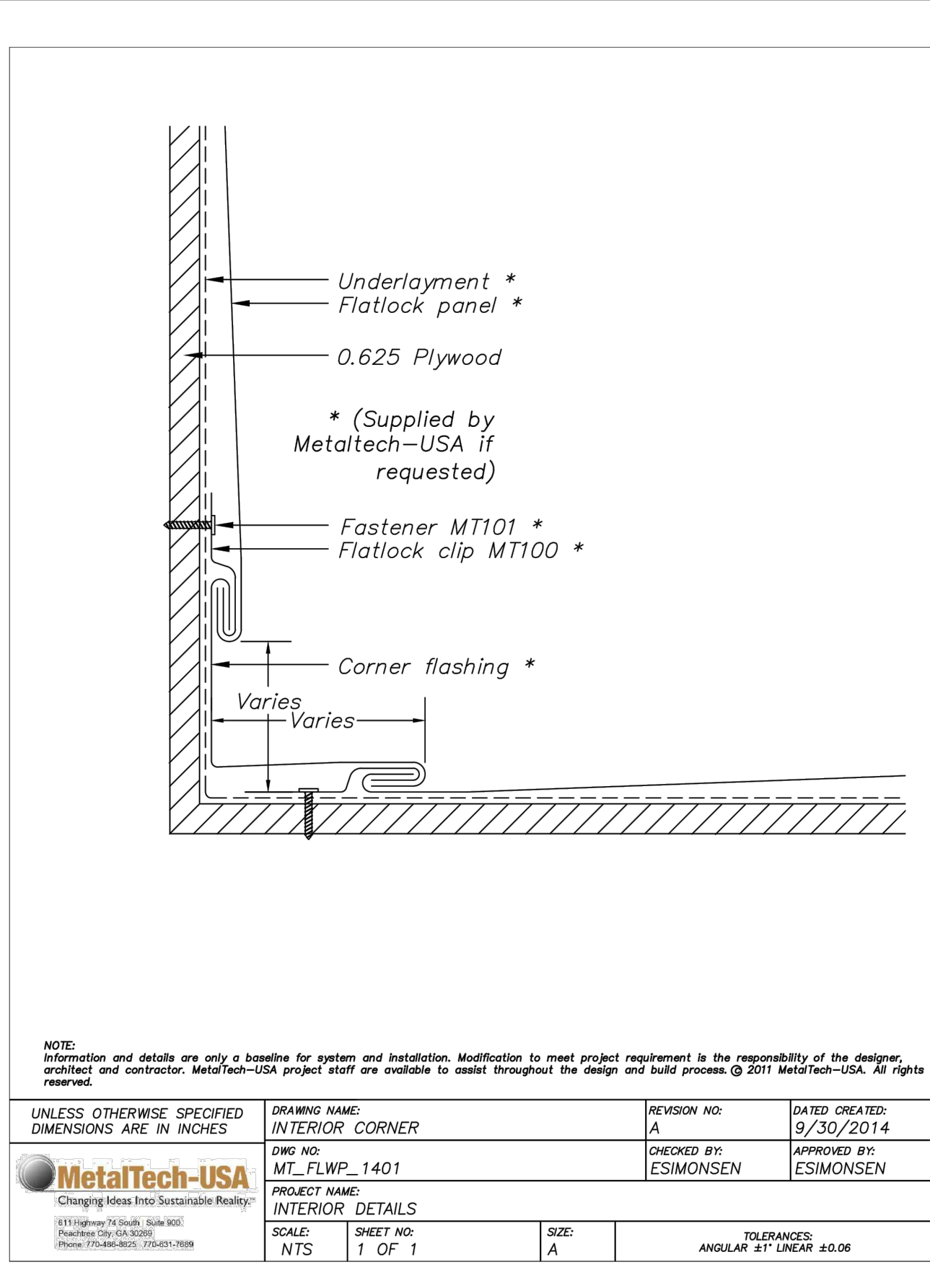
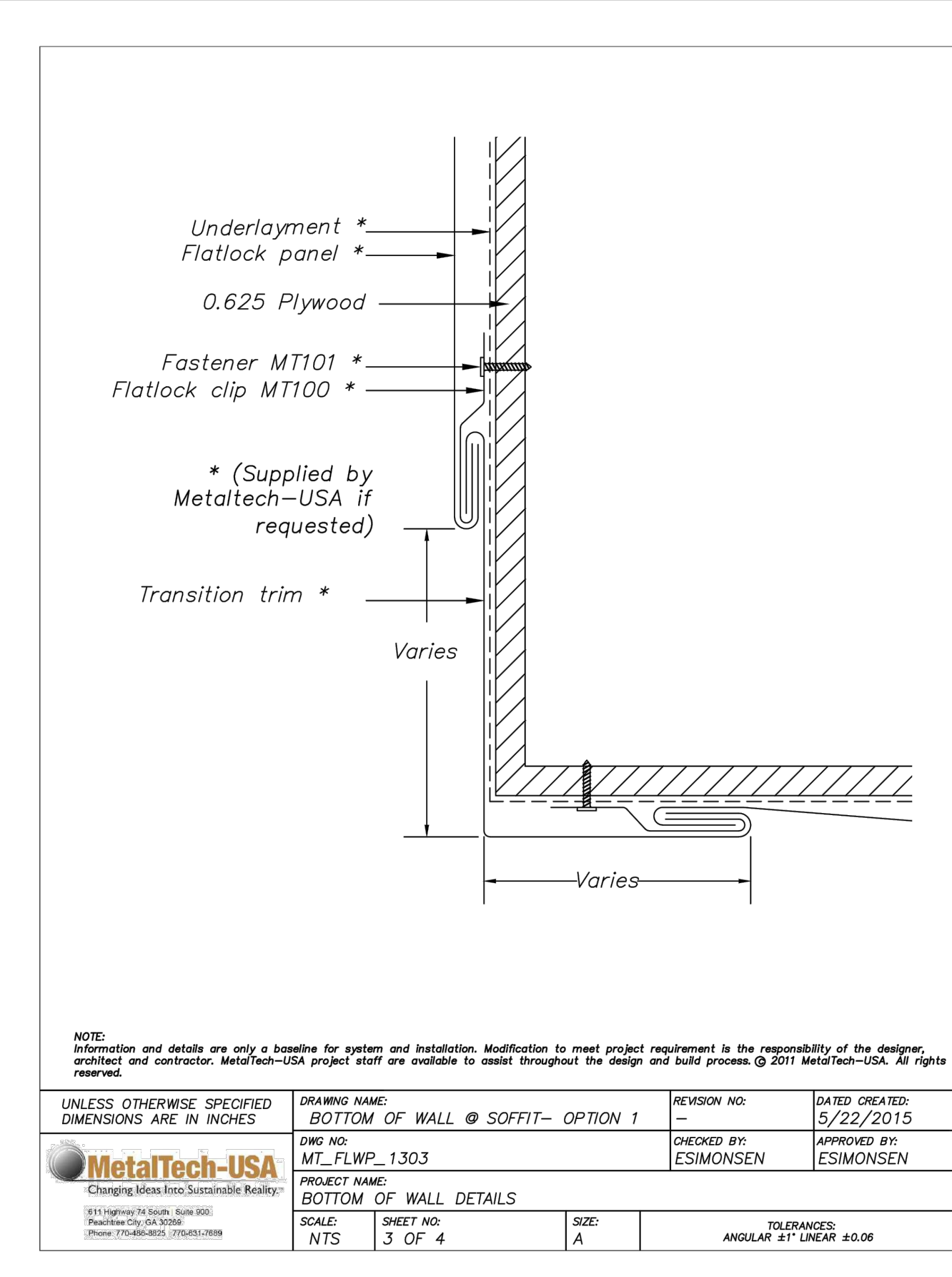
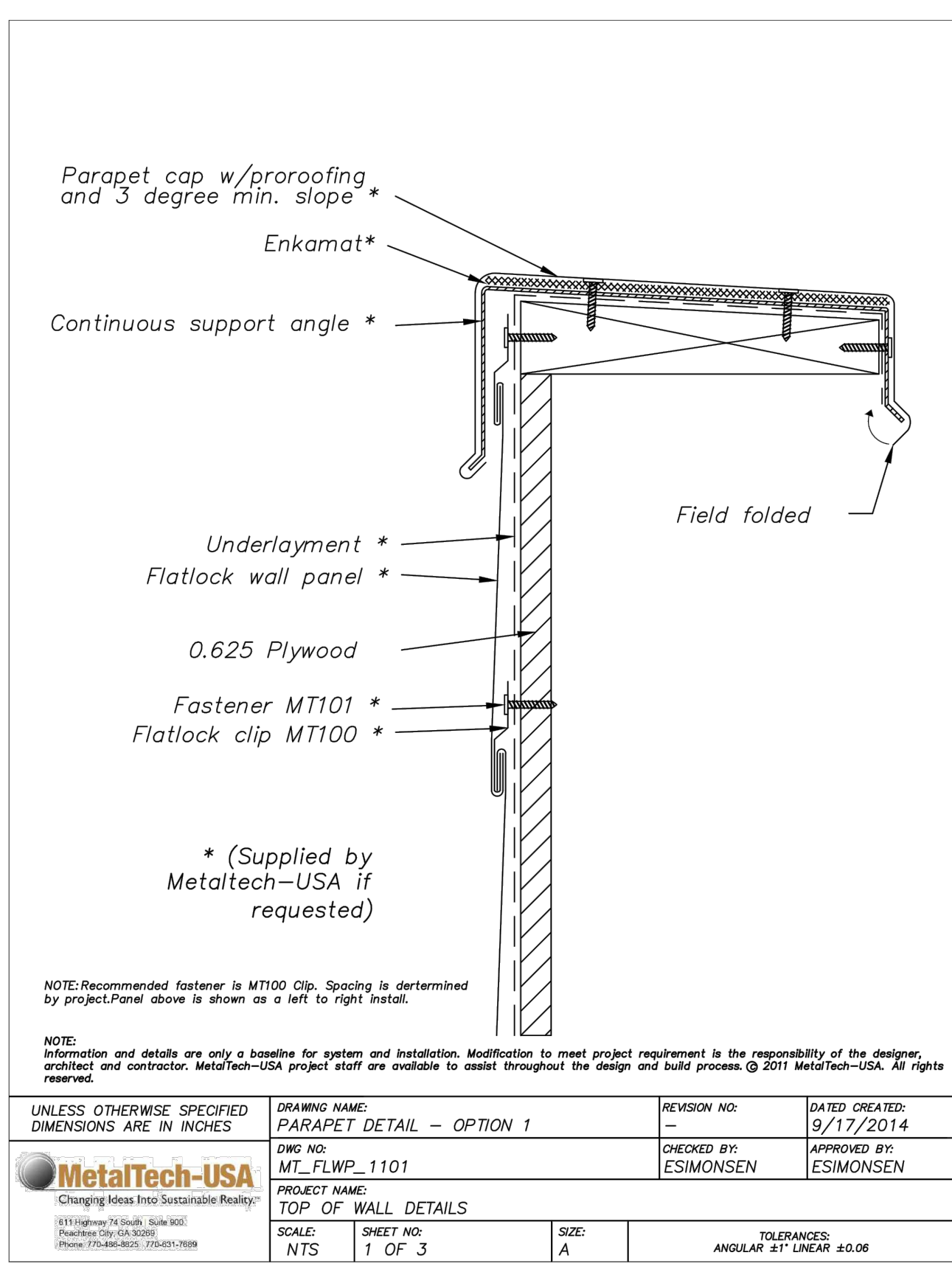
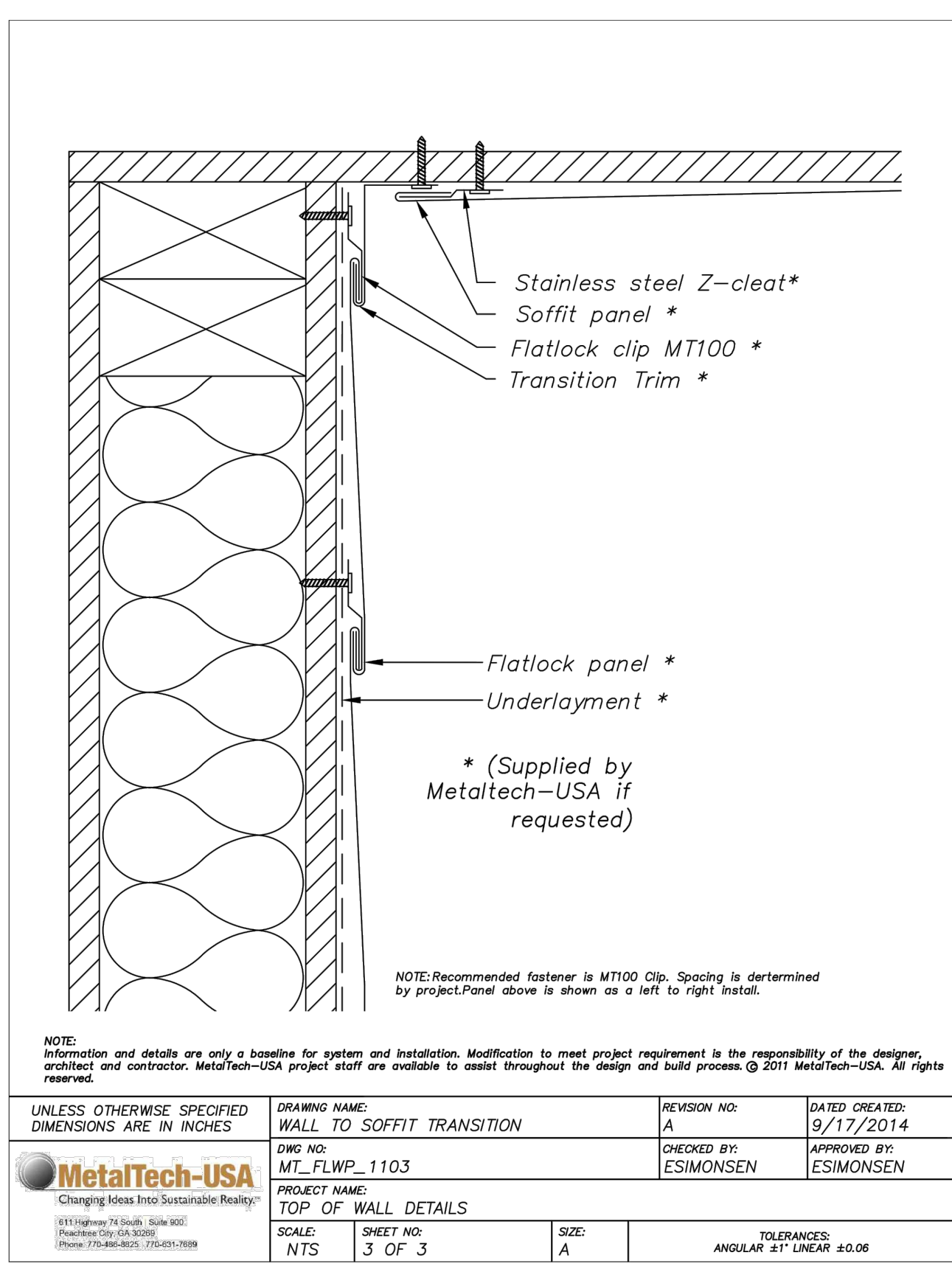
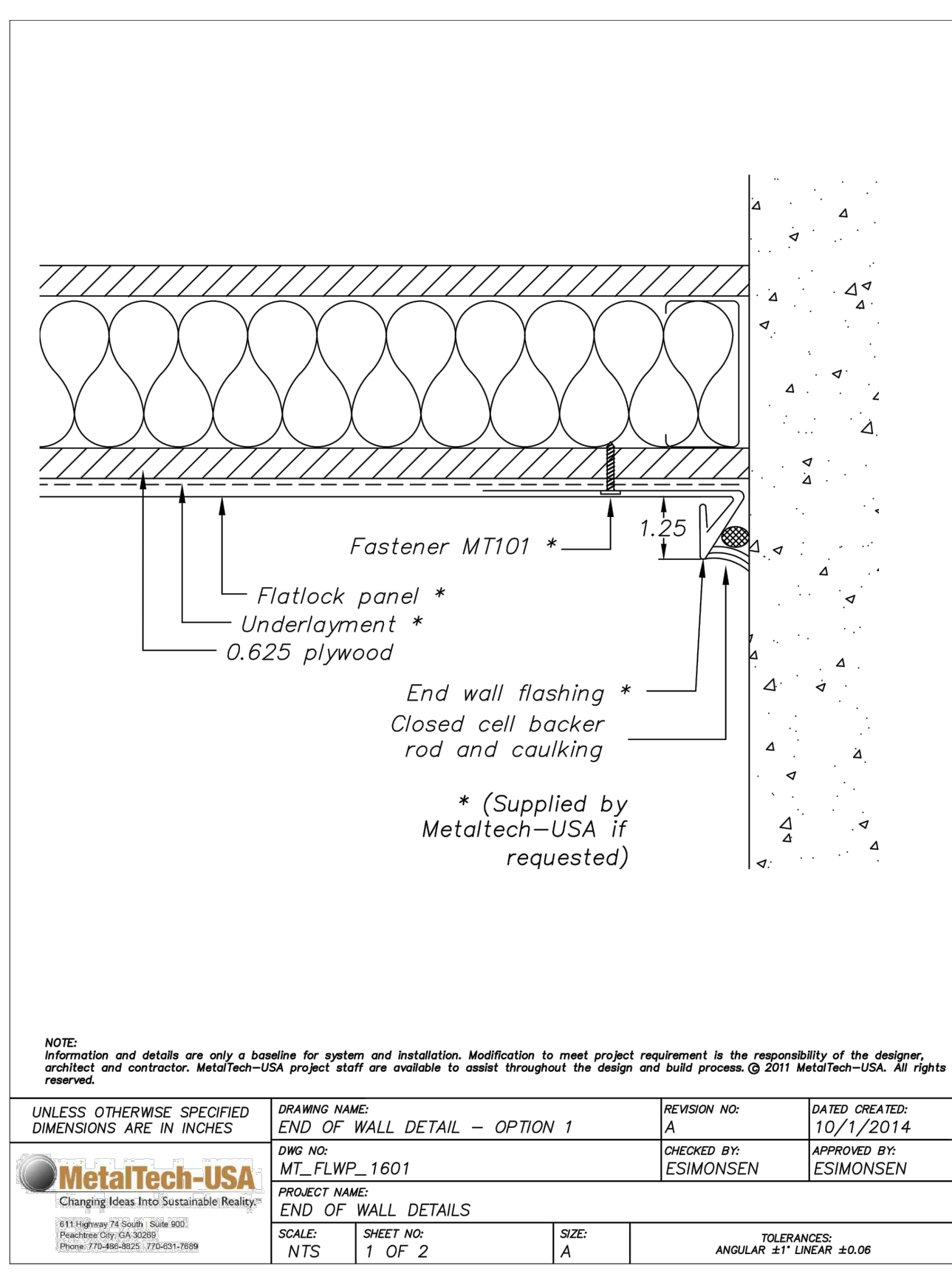
201 S. ESTES DR.
 SUITE 400A
 CHAPEL HILL, NC
 27514

REVISION		
no.	date	comment

DRAWN BY: LM
 CHECKED BY: LM
 ISSUE DATE: 05.24.2019
 PROJECT NUMBER: 02-1828

BUILDING SECTIONS

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CORTEN MANUFACTURER DETAILS SCALE: NTS 1



FOR CONSTRUCTION



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CORTEN DETAILS

A3.1

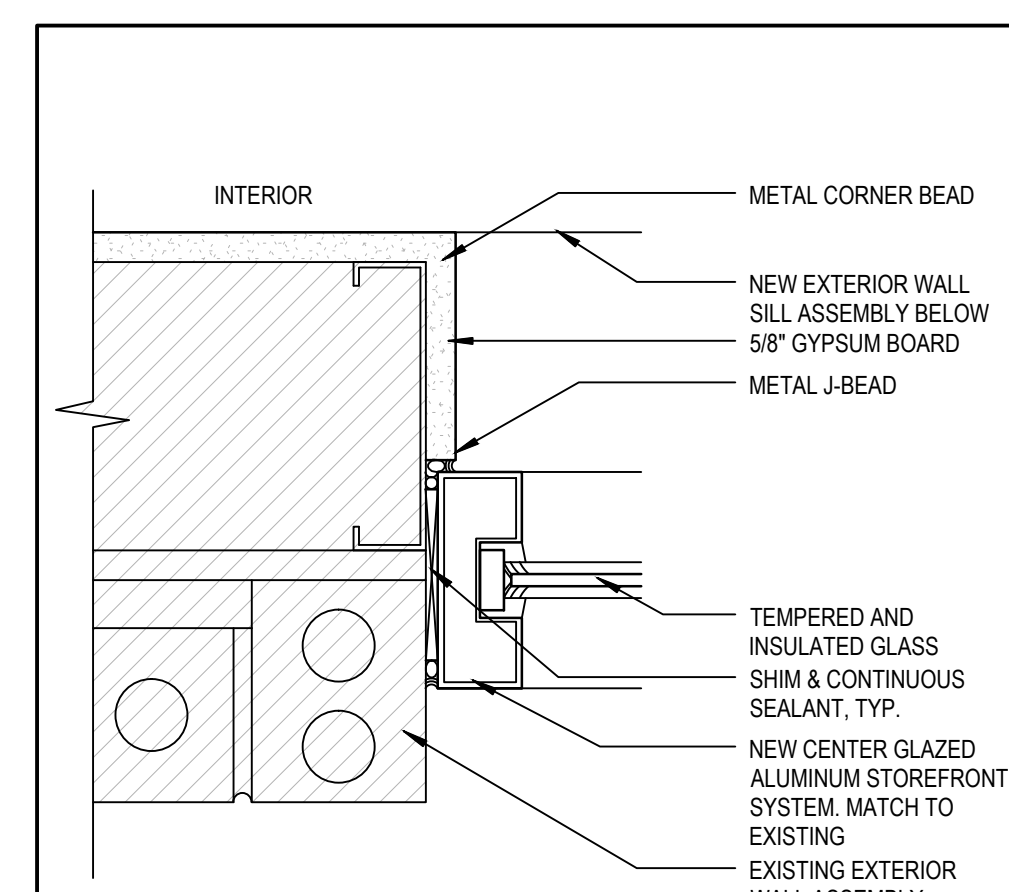
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DOOR & FRAME SCHEDULE											
MARK	LOCATION	DOOR				FRAME				HD WR	NOTES
		WD	HGT	THK	TYPE	MATL	EL	FRAME FINISH	DETAIL SET #		
100A	STOREFRONT	-	-	-	-	ABA	-	ABA	-	A	ABA+ ALUMINUM BRONZE ANODIZED FINISH MATCH EXISTING STOREFRONT DIMENSIONS
103A	DINING TO PATIO	3'-0"	-	-	-	ABA	-	ABA	-	A	ABA+ ALUMINUM BRONZE ANODIZED FINISH MATCH EXISTING STOREFRONT DIMENSIONS
103B	GARAGE DOOR	7'-0"	7'-8"	-	-	ABA	-	ABA	-	B	ABA+ ALUMINUM BRONZE ANODIZED FINISH ROLL STRAIGHT UP INTERIOR WALL
103C	GARAGE DOOR	7'-0"	7'-8"	-	-	ABA	-	ABA	-	B	ABA+ ALUMINUM BRONZE ANODIZED FINISH ROLL STRAIGHT UP INTERIOR WALL
103D	GARAGE DOOR	7'-0"	7'-8"	-	-	ABA	-	ABA	-	B	ABA+ ALUMINUM BRONZE ANODIZED FINISH ROLL STRAIGHT UP INTERIOR WALL
108A	RESTROOM	3'-0"	7'-0"	0'-1 3/4"	A	ST-1 WOOD STAIN	HM	3/A4.1	P-6	4/A4.1	C
109A	RESTROOM	3'-0"	7'-0"	0'-1 3/4"	A	ST-1 WOODSTAIN	HM	3/A4.1	P-6	4/A4.1	C
110A	SERVER- ELIASON	3'-0"	7'-0"	-	B	ALUM.	HM	3/A4.1	P-6	4/A4.1	
113A	KITCHEN- ELIASON	3'-0"	7'-0"	-	B	ALUM.	HM	3/A4.1	P-5	4/A4.1	
113B	MALL CORRIDOR - EXISTING	3'-0"	7'-0"	EXIST. EX.	EXIST. METAL	VERIFY EXISTING & REPAINT P-6 AS REQUIRED	HM	EX.	VERIFY EXISTING & REPAINT P-6 AS REQUIRED	EX.	D
114A	OFFICE	3'-0"	7'-0"	0'-1 3/4"	C	CLEAR SEAL	HM	3/A4.1	P-6	4/A4.1	E

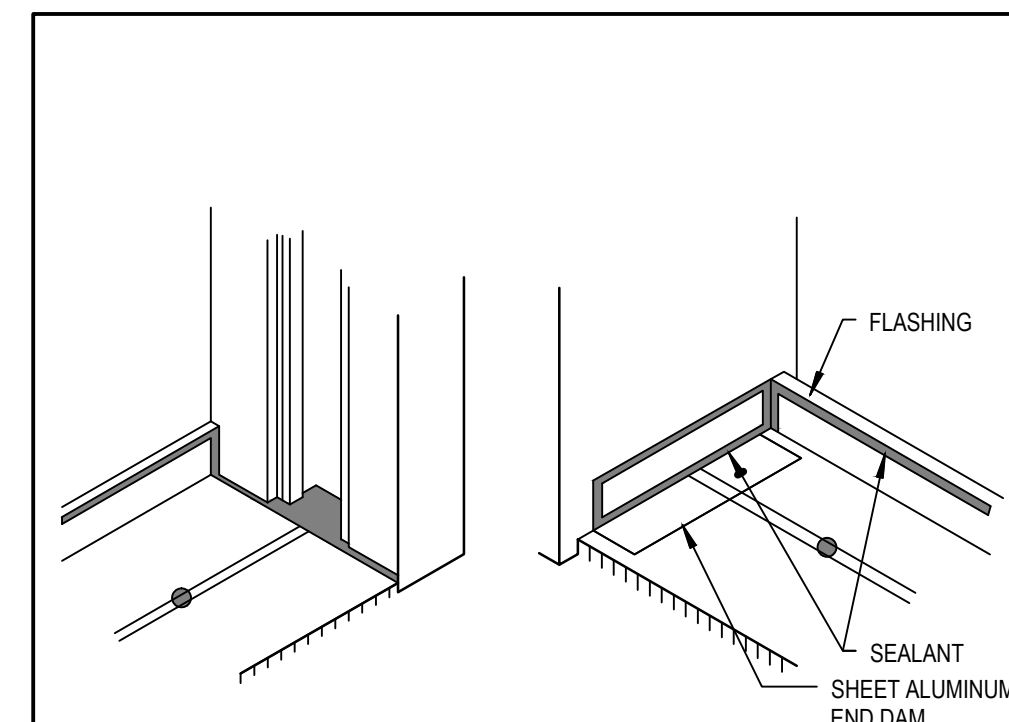
NOT IN SCOPE OF WORK, SHOWN FOR REFERENCE ONLY. TO BE PERMITTED SEPARATELY AT A LATER DATE

HARDWARE SETS				
SET A	SET B	SET C	SET D	SET E
BY MANUFACTURER	BY MANUFACTURER ROLL STRAIGHT UP WALL ON INSIDE OF SPACE	1-1/2 PAIR BUTTS	EXISTING TO REMAIN	1-1/2 PAIR BUTTS
CLOSER AND PANIC HARDWARE	NEW TRANSITION STRIPS AS REQUIRED	1-DOOR SCOPE	PANIC HARDWARE AND CLOSER	1-PRIVACY SET HAGER 255326D
NEW SEALS & TRANSITIONS		3-SILENCERS	NEW SEALS AS REQUIRED	2-18" S.S. KICKPLATE
		1-O-H STOP		1-WALL STOP
		1-CLOSER		3 SILENCERS
		PANIC HARDWARE		
		1-LATCH GUARD		
		2-S.S. KICKPLATES		
		DOOR SWEEP		
		SEALS		

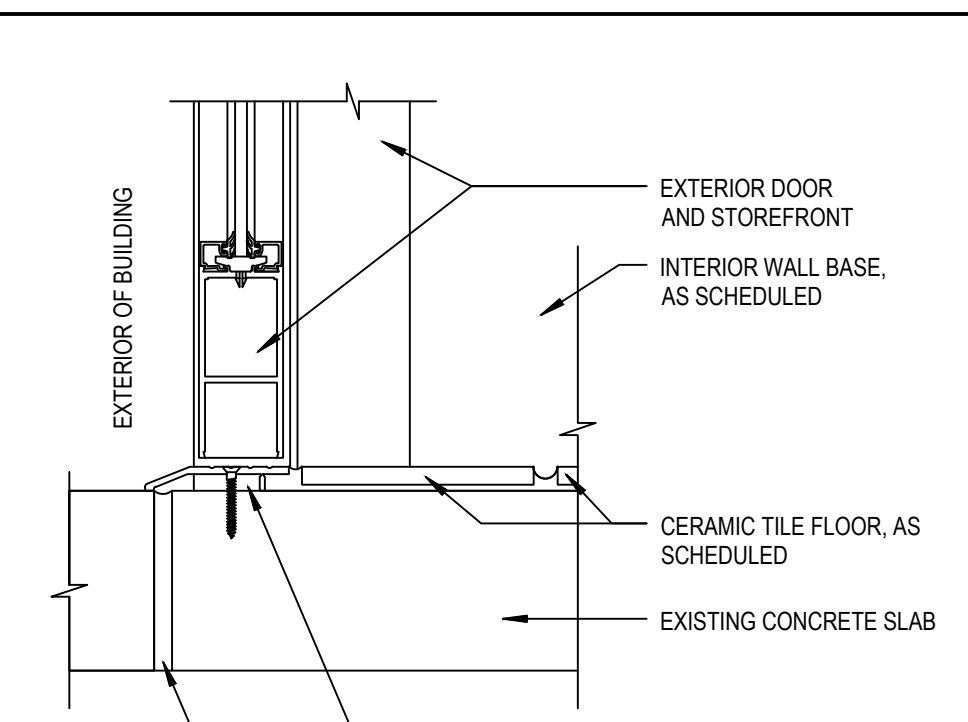
NOT IN SCOPE OF WORK, SHOWN FOR REFERENCE ONLY. TO BE PERMITTED SEPARATELY AT A LATER DATE



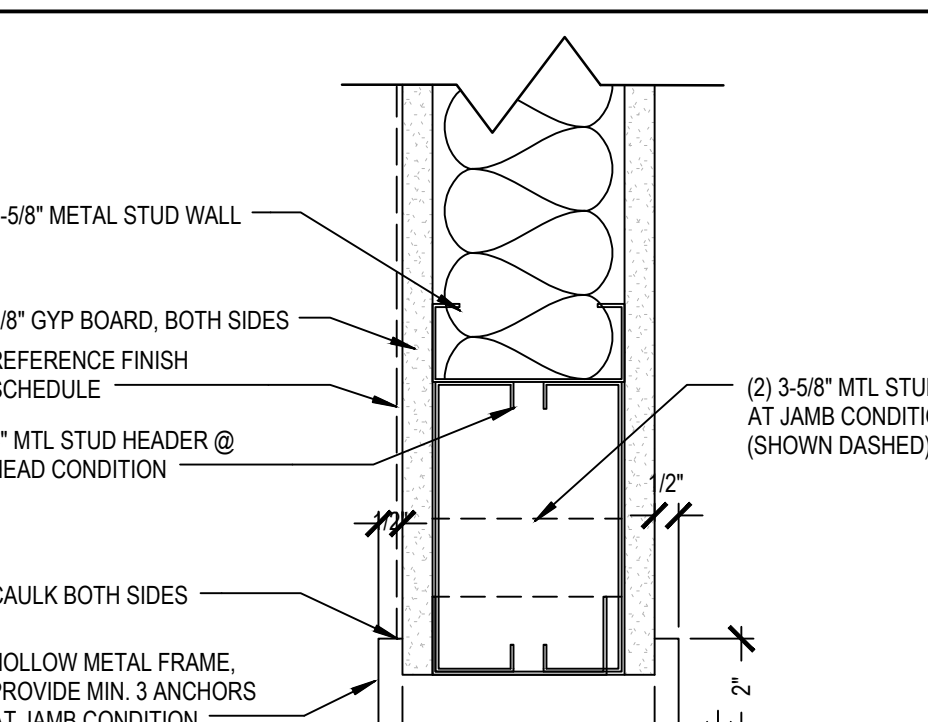
TYP. STOREFRONT JAMB SCALE: 3/8"=1'-0" 6



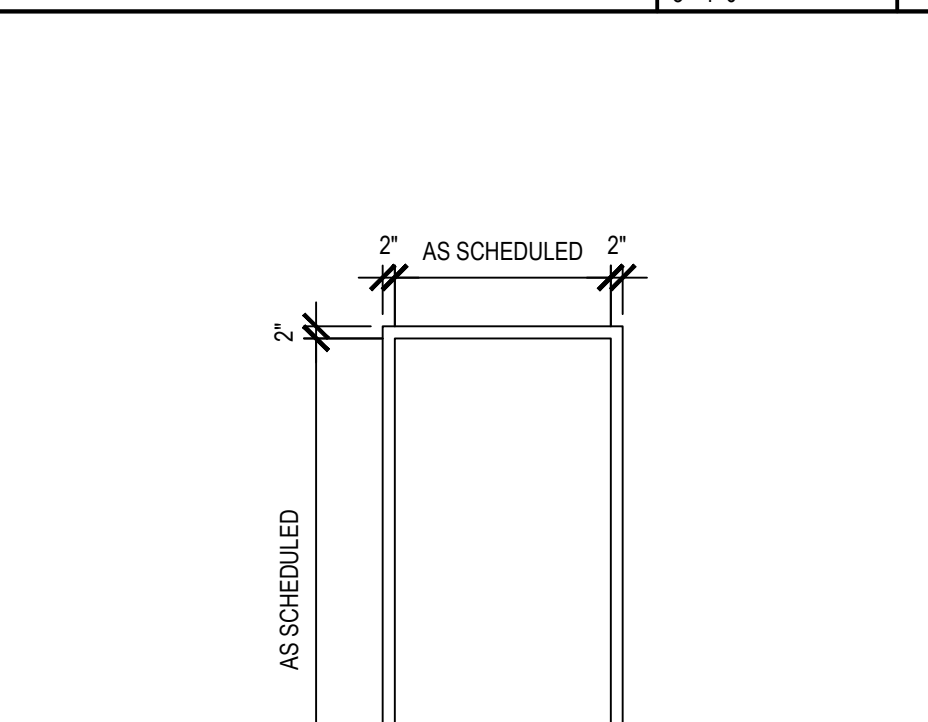
TYP. SILL NOTES SCALE: 1-1/2"=1'-0" 6



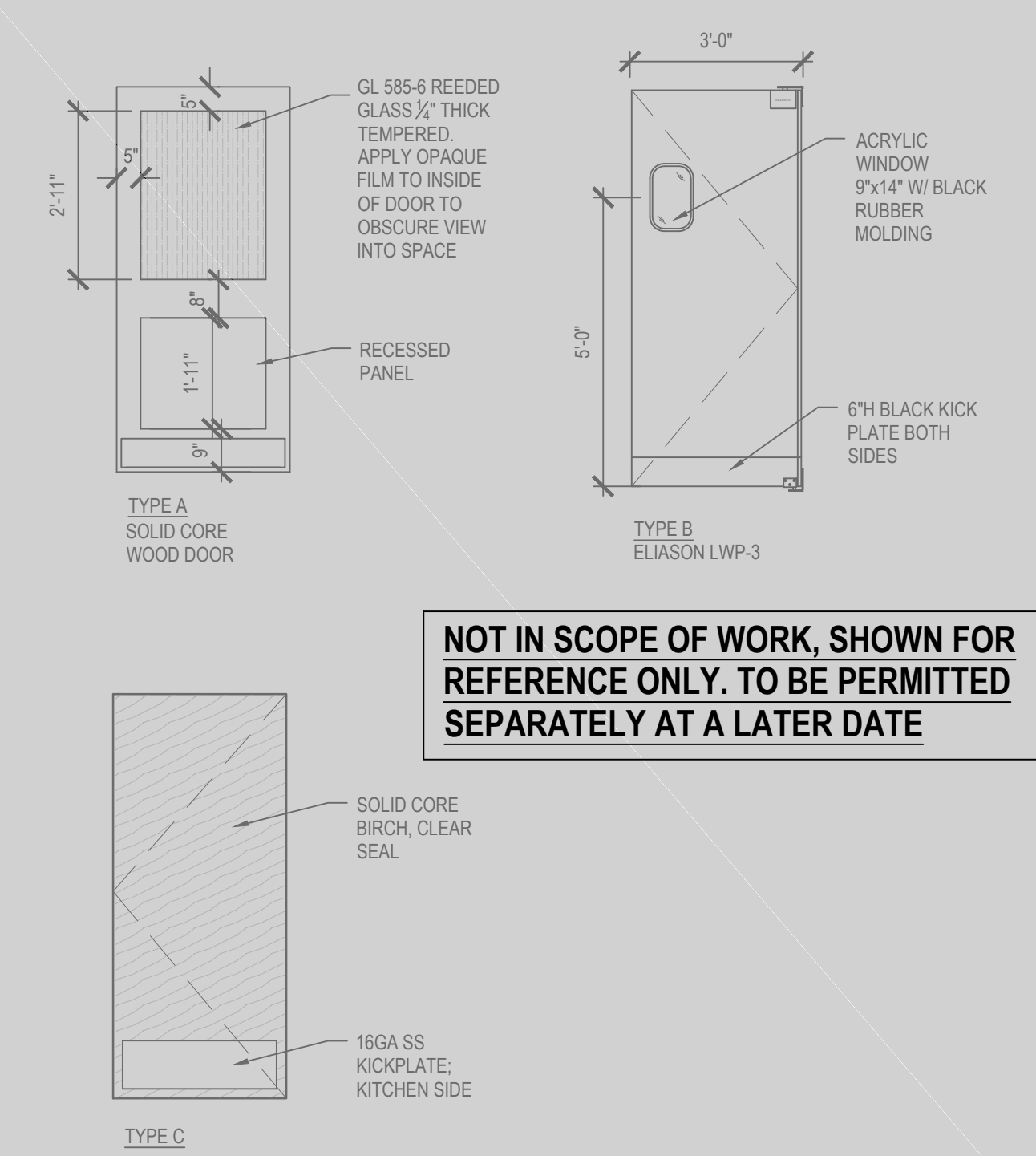
STOREFRONT THRESHOLD SCALE: 3/8"=1'-0" 5



TYP. HEAD / JAMB DETAIL SCALE: 3/8"=1'-0" 4

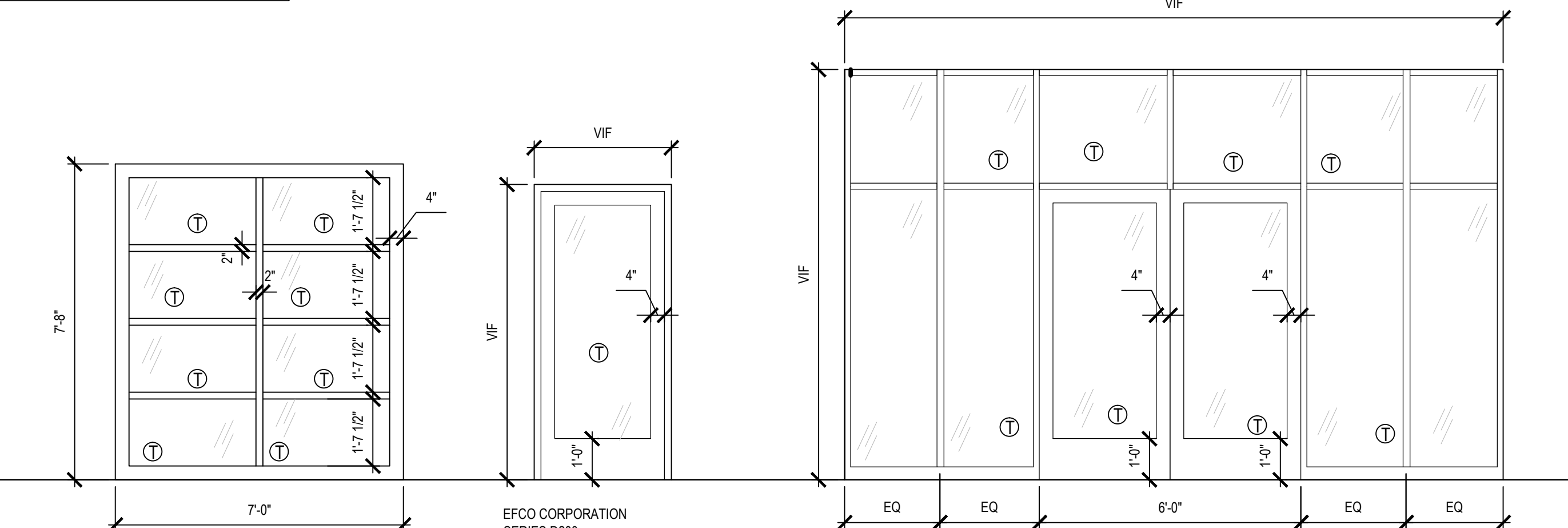


FRAME TYPES SCALE: 3/8"=1'-0" 2



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

SEE ENERGY SUMMARY ON CV2 FOR GLAZING MINIMUM REQUIREMENTS



DOOR TYPES SCALE: 3/8"=1'-0" 1

GENERAL DOOR NOTES:

- GENERAL CONTRACTOR TO VERIFY LOCK SETS WITH TENANT PRIOR TO CONSTRUCTION.
- GENERAL CONTRACTOR TO REFER TO FINISH SCHEDULE FOR DOOR SCHEDULE MATERIAL REFERENCES.
- USE WALL STOPS INSTEAD OF DOOR STOPS WHERE PRACTICAL.
- ALL LEVER HARDWARE TO BE ADA COMPLIANT & SHALL BE COMMERCIAL QUALITY SCHLAGE 'A' SERIES LEVER HARDWARE. ALL DOORS SHALL HAVE (3) 4" HINGES.
- ALL GLASS IN DOORS AND SIDELIGHTS ARE REQUIRED TO BE TEMPERED.
- MAIN EXTERIOR DOORS ARE PERMITTED TO BE KEY-OPERATED LOCKING DEVICES FROM THE EGRESS SIDE PER 1008.1.9.3.
- THE LOCKING DEVICE IS READILY DISTINGUISHABLE AS LOCKED AND PROVIDED WITH A KEY THAT CANNOT BE REMOVED WHEN LOOKED FROM THE EGRESS SIDE.
- A READILY VISIBLE DURABLE SIGN IS POSTED ON THE EGRESS SIDE OR ADJACENT TO THE DOOR STATING: THIS DOOR IS TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED. THE SIGN SHALL BE 1" HIGH ON CONTRASTING BACKGROUND.
- PER 715.4.3.1 OF THE NCSCB RATED DOORS SHALL BE PROVIDED WITH SMOKE AND DRAFT CONTROL. CLOSERS PER 715.4.8 AND LATCHES PER 715.4.8.1



FOR CONSTRUCTION

HAWKERS
 ASIAN STREET FARE
 201 S. ESTES DR.
 SUITE 400A
 CHAPEL HILL, NC
 27514

REVISION		
no.	date	comment

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 CHECKED BY: LM
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DOOR & WINDOW DETAILS

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GENERAL CONDITIONS

- STRUCTURAL DRAWINGS ARE TO BE USED IN CAREFUL COORDINATION AND IN CONJUNCTION WITH OTHER CONTRACT DOCUMENTS DURING ALL PHASES OF THE PROJECT INCLUDING BUT NOT LIMITED TO: PREPARATION OF BIDS AND PROPOSALS, PREPARATION OF SHOP DRAWINGS AND CONSTRUCTION. THE GENERAL CONTRACTOR IS TO PROVIDE A COMPLETE SET OF CONTRACT DOCUMENTS TO SUBCONTRACTORS TO BE USED DURING ALL PHASES OF THE PROJECT.
- SHOP DRAWINGS ARE TO BE SUBMITTED TO THE ARCHITECT FOR REVIEW PRIOR TO FABRICATING AND PLACING MATERIALS. SUBMIT TWO SETS OF BLUE LINES AND ONE SET OF SEALS. ALL SHOP DRAWINGS ARE TO BE REVIEWED, CORRECTED AND APPROVED BY THE ARCHITECT PRIOR TO SUBMITTING TO THE GENERAL CONTRACTOR. ALL NECESSARY FIELD VERIFICATION AND OTHER INFORMATION REQUESTED ARE TO BE CLEARLY MARKED ON THE SHOP DRAWINGS BY THE GENERAL CONTRACTOR. ALL DRAWINGS ARE TO INDICATE CLEARLY THAT THE DRAWINGS HAVE BEEN REVIEWED, CORRECTED AND APPROVED BY THE GENERAL CONTRACTOR. DRAWINGS FAILING TO MEET THIS REQUIREMENT WILL BE RETURNED TO THE CONTRACTOR WITHOUT ACTION BY HUNTER STRUCTURAL PA.
- ALL DETAILS AND SECTIONS ARE CONSIDERED TYPICAL AND ARE TO BE USED BY THE CONTRACTOR TO DEVELOP COMPLETE DETAILS OF CONSTRUCTION FOR EACH PHASE OF THE PROJECT. ALL DETAILS OF CONSTRUCTION ARE TO BE REVIEWED PRIOR TO FABRICATING AND PLACING MATERIALS. THE GENERAL CONTRACTOR IS TO COORDINATE STRUCTURAL DRAWINGS WITH ALL PHASES OF CONSTRUCTION.
- DO NOT SCALE PLANS, DETAILS, AND SECTIONS. IF THERE IS ANY QUESTION ABOUT DETAILS OR DIMENSIONS CONTACT THE ARCHITECT FOR INFORMATION PRIOR TO SUBMITTING SHOP DRAWINGS.
- DESIGN, DETAILING, AND IMPLEMENTATION OF ALL SHORING AND BRIDGES REQUIRED FOR THE PROJECT DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- GENERAL CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DETAILS IN THE FIELD BEFORE FABRICATING MATERIALS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN ACTUAL EXISTING CONDITIONS AND THOSE ASSUMED IN THE PREPARATION OF DRAWINGS SO THAT NECESSARY MODIFICATIONS CAN BE MADE TO THE DRAWINGS.
- SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS PREPARED BY THE CONTRACTOR, SUBCONTRACTOR, SUPPLIER OR DISTRIBUTOR. REPRODUCTION OF THE CONTRACT DOCUMENTS AS ERECTION PLANS OR DETAILS SHALL NOT BE USED WITHOUT WRITTEN PERMISSION FROM HUNTER STRUCTURAL PA.
- SHOP DRAWINGS SHALL BE PREPARED USING THE STRUCTURAL DRAWINGS. ANY CHANGES, MODIFICATIONS OR REVISIONS FROM THE STRUCTURAL DRAWINGS SHALL BE NOTED IN WRITING AND APPROVED PRIOR TO SUBMITTING SHOP DRAWINGS FOR APPROVAL.
- IT IS ASSUMED THAT THE SELECTED G.C. AND HIS SUB-CONTRACTORS ARE EXPERIENCED AND QUALIFIED FOR THE TYPE OF CONSTRUCTION SHOWN. THE G.C. SHALL PROVIDE ALL SUB-CONTRACTORS WITH ALL RELATED DRAWINGS AND SPECIFICATIONS TO ALLOW COMPLETION OF THEIR WORK. ANY AND ALL QUESTIONS AND CLARIFICATIONS SHALL BE SUBMITTED IN WRITING BY FAX TO THE ARCHITECT AND ENGINEER BY THE G.C. ALLOW A MINIMUM OF THREE DAYS FOR WRITTEN RESPONSES.

PROJECT TERMS AND DEFINITIONS

PROJECT TERMS & DEFINITIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING: AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES, SEPTEMBER 1, 1986.

DEFINITIONS SHALL BE AS FOLLOWS:

ARCHITECT/ENGINEER - THE OWNER'S DESIGNATED REPRESENTATIVE WITH FULL RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF THE STRUCTURE.

CONTRACT DOCUMENTS - THE DOCUMENTS WHICH DEFINE THE RESPONSIBILITIES OF THE PARTIES INVOLVED IN BIDDING, PURCHASING, SUPPLYING AND ERECTING STRUCTURAL STEEL. THESE DOCUMENTS CONSIST OF A CONTRACT, PLANS AND SPECIFICATIONS.

DRAWINGS - SHOP AND FIELD ERECTION DRAWINGS PREPARED BY THE CONTRACTOR AND DIRECTOR FOR THE PERFORMANCE OF THE WORK.

ERECTOR - THE PARTY RESPONSIBLE FOR THE ERECTION OF THE STRUCTURAL STEEL.

FABRICATOR - THE PARTY RESPONSIBLE FOR FURNISHING FABRICATED STRUCTURAL STEEL.

OWNER - THE OWNER OF THE PROPOSED STRUCTURE OR HIS DESIGNATED REPRESENTATIVE, WHO MAY BE THE ARCHITECT, ENGINEER, GENERAL CONTRACTOR, PUBLIC AUTHORITY OR OTHERS.

DESIGN DRAWINGS FURNISHED BY THE PARTY RESPONSIBLE FOR THE DESIGN OF THE STRUCTURE.

ONCE THE NOTICE TO PROCEED IS GIVEN BY THE OWNER, THE GENERAL CONTRACTOR IS TO PROVIDE THE STRUCTURAL ENGINEER A WRITTEN TIMENIZED SCHEDULE OF THE SHOP DRAWINGS, SUBMITTALS AND CONSTRUCTION SCHEDULE. THE GENERAL CONTRACTOR SHALL THEN FURNISH THE STRUCTURAL ENGINEER WITH A PROGRESS REPORT EVERY 30 DAYS NOTING ONLY STRUCTURAL ITEMS OF INTEREST.

THE GENERAL CONTRACTOR SHALL FURNISH THE STRUCTURAL ENGINEER WITH A CERTIFIED SET OF FIELD USE DRAWINGS FOR ALL FABRICATED ITEMS, NOTE ALL CHANGED OR REVISED ITEMS THAT DO NOT AGREE WITH THE ORIGINAL CONTRACT DOCUMENTS.

SCHEDULE OF SPECIAL INSPECTION SERVICES

- No special inspections required for this project (Special inspection not required per section 704.11)
- Special inspections required
- The following list comprises the required schedule of special inspections for this project. The construction divisions which require special inspections for this project are as follows:
 - IT-1 Verification of Soils
 - IT-2 Excavation and Fill
 - IT-3 Piling and Drilling Piers
 - IT-4 Modular Retaining Walls
 - IT-5 Reinforced Concrete
 - IT-6 Post Tension Slab
 - IT-7 Pre-cast Concrete Erection
 - IT-8 Pre-stressed Concrete
 - IT-9 Inspection of Pre-Cast Fabricators
 - IT-10 Inspection of Structural Steel Fabricators
 - IT-11 Structural Masonry
 - IT-12 Welding
 - IT-13 High Strength Bolts & Steel Framing Inspections
 - IT-14 Sprayed Fire Resistance Materials
 - IT-15 Exterior Insulation and Finish System
 - IT-16 Seismic Resistance
 - IT-17 Smoke Control
 - IT-18 Delamination Basin
 - IT-19 Special Cases

SEISMIC REQUIREMENTS

MECHANICAL SYSTEMS (EQUIPMENT, PIPING, DUCTWORK, ETC.)
SEISMIC DESIGN CATEGORY C, CONFORM WITH SECTION 705, SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.

ELECTRICAL SYSTEMS:
SEISMIC DESIGN CATEGORY C, CONFORM WITH SECTION 705, SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

ARCHITECTURAL SYSTEMS:
SEISMIC DESIGN CATEGORY C, CONFORM WITH SECTION 705, SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

CONCRETE & REINFORCING

- CONCRETE FOR THE PROJECT IS TO BE: 28 DAY COMPRESSIVE

STRENGTH	DENSITY	AIR ENTRAINMENT	USAGE
3000 PSI	150 PCF		FOOTINGS
3500 PSI	150 PCF		SLAB ON GRADE
4000 PSI	150 PCF	5-7% AIR	WALLS
- CONCRETE SLAB ON GRADE IS TO BE REINFORCED WITH #6-WL4M#4 WELDED WIRE FABRIC PLACED ON SUPPORTS SO THAT THE REINFORCING IS AT THE MIDPOINT OF THE SLAB THICKNESS.
- REINFORCING STEEL IS TO BE ASTM A615, GRADE 60, FABRICATED AND PLACED IN ACCORDANCE WITH ACI 308-02. PROVIDE AN ACI TYPE 'A' TENSION SPACER FOR ALL REINFORCING UNLESS SHOWN OR NOTED OTHERWISE ON THE DRAWINGS.
- CONCRETE COVERAGE OF REINFORCING STEEL SHALL BE IN ACCORDANCE WITH THE FOLLOWING SCHEDULE UNLESS NOTED OTHERWISE:

	MINIMUM COVER
A. FOOTINGS AND GRADE BEAMS	3 INCHES
B. BEAMS AND COLUMNS	1 1/2 INCHES
C. SLABS	3/4 INCHES
D. SLABS ON GRADE	2 INCHES

DESIGN LOADS

2018 NORTH CAROLINA STATE BUILDING CODE (IBC-2018)
2018 NORTH CAROLINA EXISTING BUILDING CODE
BUILDING CLASSIFICATION: GROUP II (NCSCB 2018)
GROUP II (NCSCB 2018)
LIVE LOAD ROOF: 20 PSF

WIND
DESIGN WIND SPEED: 85 MPH (3-sec gust)
ASCE 7-10

SEISMIC
NCSCB 2018
CRANFORD COUNTY, NC
SEISMIC DESIGN CATEGORY C
SEISMIC USE GROUP II
EQUIV. LATERAL FORCE PROCEDURE
V = Cw (2.8) ASCE 7-10
ORDINARY REIN. MASS SHEAR WALL
C_w = 0.055
S_w = 0.156
S_s = 0.249
S₁ = 0.156
S₂ = 0.055
S₃ = 0.055
S₄ = 0.055
S₅ = 0.055
S₆ = 0.055
S₇ = 0.055
S₈ = 0.055
S₉ = 0.055
S₁₀ = 0.055
S₁₁ = 0.055
S₁₂ = 0.055
S₁₃ = 0.055
S₁₄ = 0.055
S₁₅ = 0.055
S₁₆ = 0.055
S₁₇ = 0.055
S₁₈ = 0.055
S₁₉ = 0.055
S₂₀ = 0.055

SNOW
GROUND SNOW LOAD P_s = 10 psf
FLAT ROOF P_f = 7.0 psf
SLOPED ROOF P_s = 1.0 psf
THERMAL FACTOR C_t = 1.0
EXPOSURE FACTOR C_e = 1.0
IMPORTANCE FACTOR I_s = 1.0
DESIGN ROOF SNOW LOAD = 7.0 psf

STRUCTURAL STEEL

- STRUCTURAL STEEL IS TO BE DESIGNED, DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH THE FOLLOWING:
 - ASTM A36 STEEL CONSTRUCTION MANUAL, 14TH ED.
 - 2010 AISC SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS, 14TH ED.
 - 2009 AISC SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS ENDORSED BY THE AISC, REFERENCED IN THE 14th ED. MANUAL.
 - 2010 AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES ADOPTED BY THE AISC, 14TH ED. MANUAL.
- STRUCTURAL STEEL WIDE FLANGE SHAPES ARE TO BE ASTM A992 (50 KSI). ALL OTHER STEEL SHAPES ARE TO BE A36 STEEL. STRUCTURAL STEEL TUBING IS TO BE ASTM A500, GRADE B, P_y = 46 KSI. PIPE IS TO BE ASTM A501 P_y = 36 KSI.
- ALL WELDING OF STRUCTURAL STEEL IS TO BE IN ACCORDANCE WITH THE STRUCTURAL WELDING CODE STEEL (ANSI/AWS D10 USING E70XX ELECTRODES).
- ALL WELDING IS TO BE PERFORMED BY WELDERS QUALIFIED FOR THE WELDING PROCEDURE REQUIRED. QUALIFICATION IS TO BE IN ACCORDANCE WITH ANSI/AWS D10. EVIDENCE OF CURRENT CERTIFICATION AND QUALIFICATION IS TO BE PROVIDED TO THE ARCHITECT.
- ANCHOR BOLTS ARE TO BE A36 MATERIAL UNLESS SHOWN OR NOTED OTHERWISE. ALL ANCHOR BOLTS ARE TO BE SET WITH A TEMPLATE PRIOR TO PLACING CONCRETE SUPPORT.
- ALL BOLTED CONNECTIONS ARE TO BE MADE USING 3/4" A325-X BOLTS UNLESS NOTED OTHERWISE. CONNECTIONS SHALL BE FOR 60% OF THE ALLOWABLE UNIFORM LOAD FOR THE APPROPRIATE BEAM SECTION AND SPAN AS DETERMINED FROM THE UNIFORM LOAD CONSTANTS TABLES IN THE AISC MANUAL, 14TH EDITION.
 - ALL REFERENCES WITHIN THIS CODE TO 'APPROVAL' AND OTHER NOUN, ADJECTIVE OR VERB FORMS OF THE VERB TO APPROVE WHEN SAID APPROVAL IS TO BE MADE BY THE ARCHITECT OR ENGINEER ARE HEREBY MODIFIED TO READ REVIEW OR THE APPROPRIATE FORM OF THE VERB TO REVIEW.
 - PARAGRAPH 4.2.1 OF THE CODE IS HEREBY MODIFIED BY THE DELETION OF THE FOLLOWING SENTENCE: 'THIS APPROVAL CONSTITUTES OWNER'S ACCEPTANCE OF ALL RESPONSIBILITY FOR THE DESIGN ADEQUACY OF ANY CONNECTIONS DESIGNED BY THE FABRICATOR AS A PART OF HIS PREPARATION OF THESE SHOP DRAWINGS.'

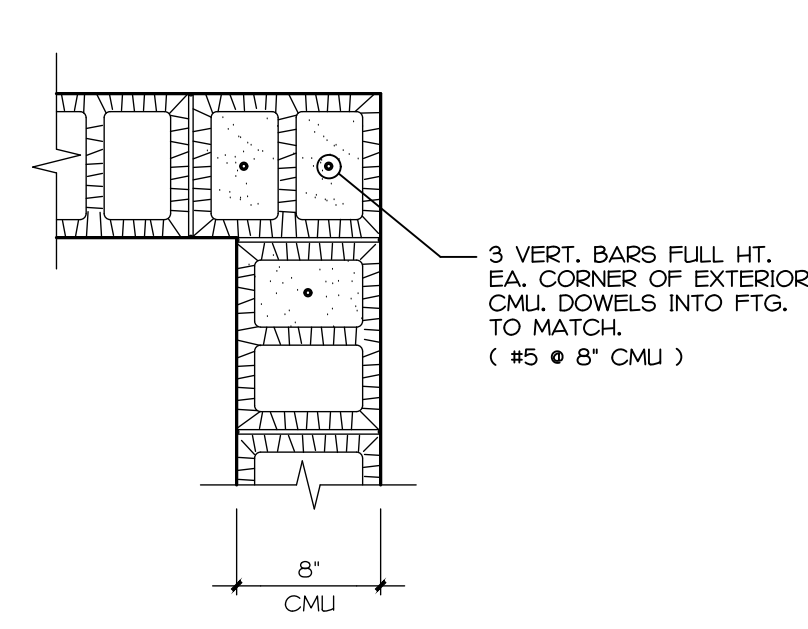
TESTING OF WELDS AND BOLTED CONNECTIONS

THE CONTRACTOR SHALL NOTIFY AN INDEPENDENT TESTING LAB APPROVED BY AND EMPLOYED BY THE OWNER TO PERFORM THE FOLLOWING TESTS:

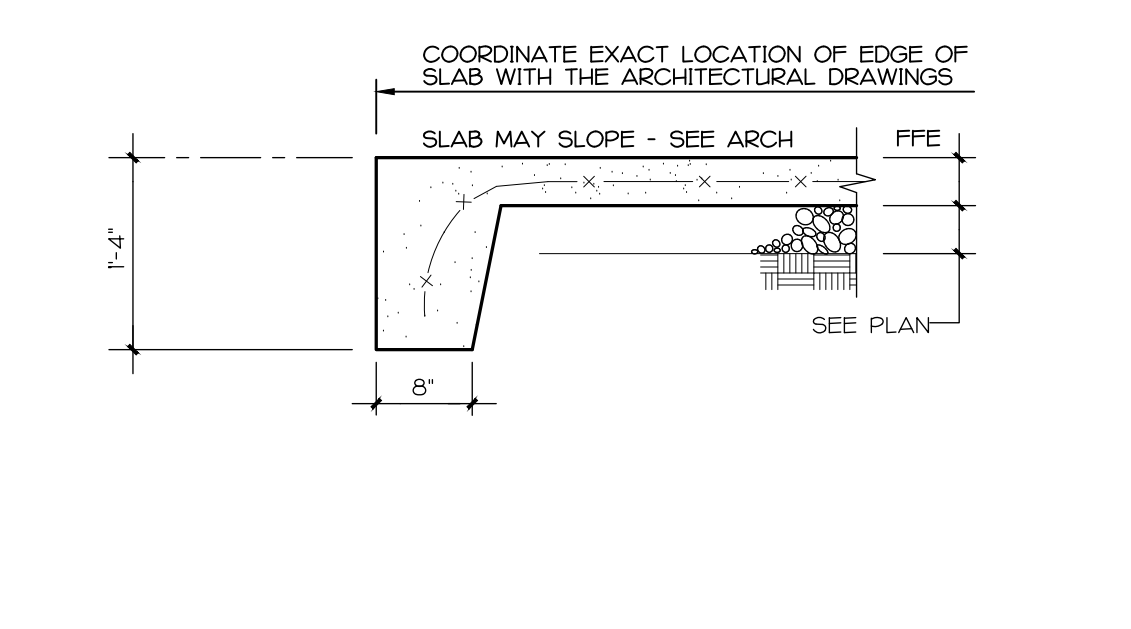
- THE TESTING AGENCY SHALL VERIFY THE QUALIFICATIONS OF EACH WELDER. FIELD WELDS SHALL BE VISUALLY INSPECTED IN ACCORDANCE WITH AWS D10.10.
- BOLTED CONN. SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 8 AND INSPECTED IN ACCORDANCE WITH SECTION 9(a) OF AISC SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325 OR ASTM A490 BOLTS. APPROVED NOV. 13, 1995. FOR SLIP CRITICAL CONNECTIONS, A REPRESENTATIVE SAMPLE OF NOT LESS THAN 3 BOLTS AND NUTS OF EACH DIAMETER, LENGTH AND GRADE TO BE USED IN THE WORK SHALL BE CHECKED AT THE START OF WORK IN A DEVICE CAPABLE OF INDICATING BOLT TENSION. THE TEST SHALL DEMONSTRATE THAT THE METHOD OF ESTIMATING THE SLUG-TIGHT CONDITION AND TURNS FROM SLUG TIGHT TO BE USED BY THE CREW DEVELOPS A TENSION NOT GREATER THAN FIVE PERCENT GREATER THAN THE TENSION REQUIRED BY TABLE 4 OF THE 'SPECIFICATIONS FOR STRUCTURAL JOINTS USING ASTM A325/A330/A490 BOLTS'.
- THE TESTING AGENCY SHALL VERIFY EACH OF THE ABOVE IN WRITING TO THE ARCHITECT AND ENGINEER.

FOUNDATION & SLAB ON GRADE

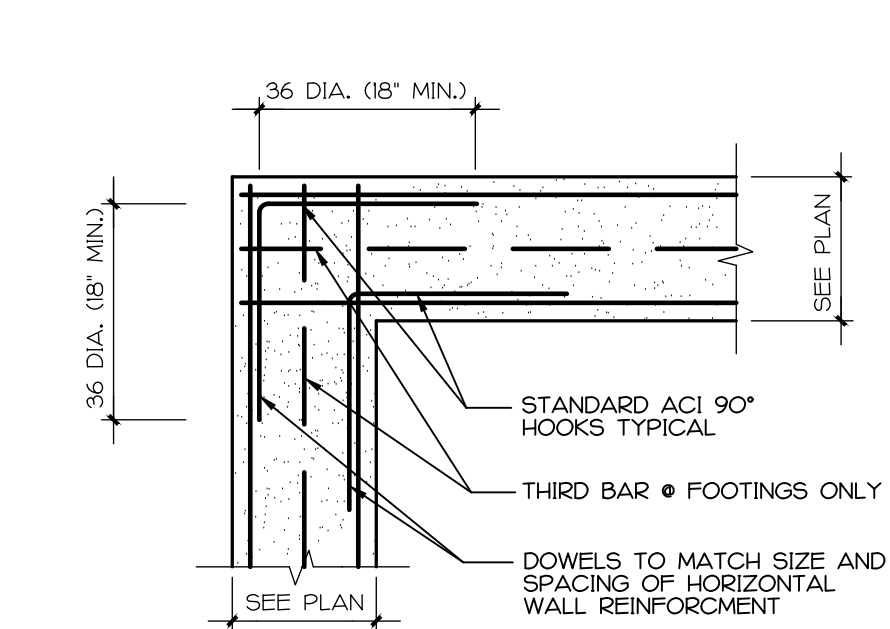
- CONCRETE SLAB ON GRADE IS TO BE PLACED ON ENGINEERED, COMPACTED FILL. CONSTRUCTION IS TO BE IN ACCORDANCE WITH STANDARD PROCTOR AT OR NEAR OPTIMUM MOISTURE CONTENT. THE UPPERMOST 18" OF FILL IS TO BE 100% STANDARD PROCTOR. OTHER IS TO BE 95%.
- A SUBSURFACE INVESTIGATION HAS BEEN PERFORMED FOR THE PROJECT. THE FOUNDATION DESIGN SHOWN IS BASED ON THE RESULTS OF THIS INVESTIGATION. THE GENERAL CONTRACTOR IS TO PROVIDE AND COORDINATE ADEQUATE SOIL TESTING PERFORMED BY A LICENSED GEOTECHNICAL ENGINEER IN ORDER TO VERIFY THE BEARING CAPACITY. ALL TESTING IS TO BE PAID FOR BY OWNER. MODIFICATIONS TO THE DESIGN WILL BE REQUIRED BASED ON THE SUBSURFACE INVESTIGATION AND THE GEOTECHNICAL ENGINEER'S RECOMMENDATIONS. (GCS CAROLINAS, LLP PROJECT NUMBER: 34.365 DATED MAY 15, 2014)
- TOP OF FOOTING ELEVATIONS HAVE BEEN DEVELOPED USING AVAILABLE FIELD INFORMATION. CONTRACTOR IS TO VERIFY THE ELEVATION OF FOOTING ELEVATIONS TO MAINTAIN A MINIMUM 6" OF COVER OVER TOP OF FOOTING.
- AT G.C. OPTION POLY FIBER SLAB REINFORCEMENT MAY BE SUBSTITUTED FOR THE WWF, FIBERMESH OR APPROVED EQUAL.



1 TYP. CORNER REINF. NO SCALE



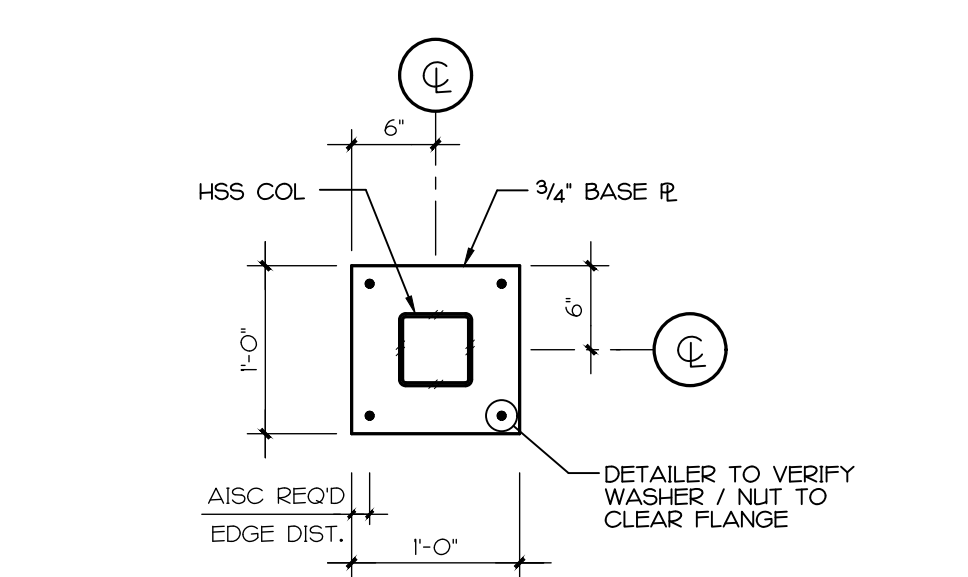
2 SECTION AT TURNED DOWN SLAB 3/4" x 1'-0"



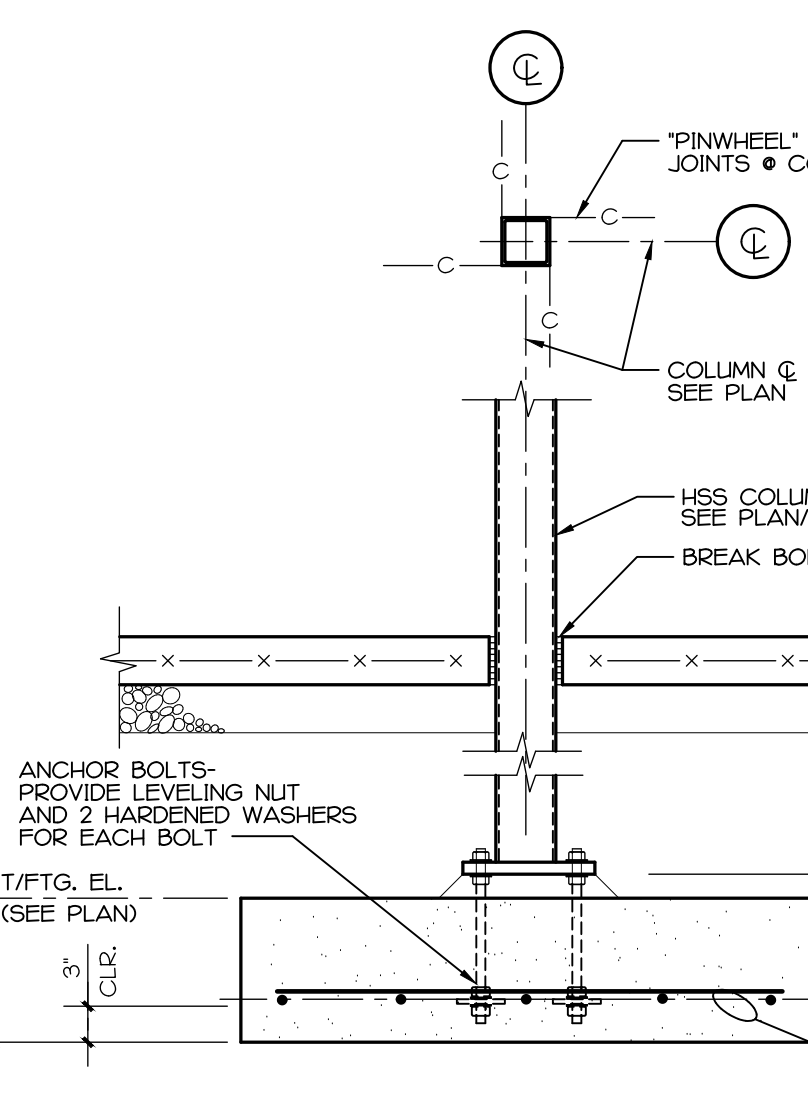
3 TYPICAL WALL/FTG CORNER BAR DETAILS NO SCALE

COLUMN SCHEDULE

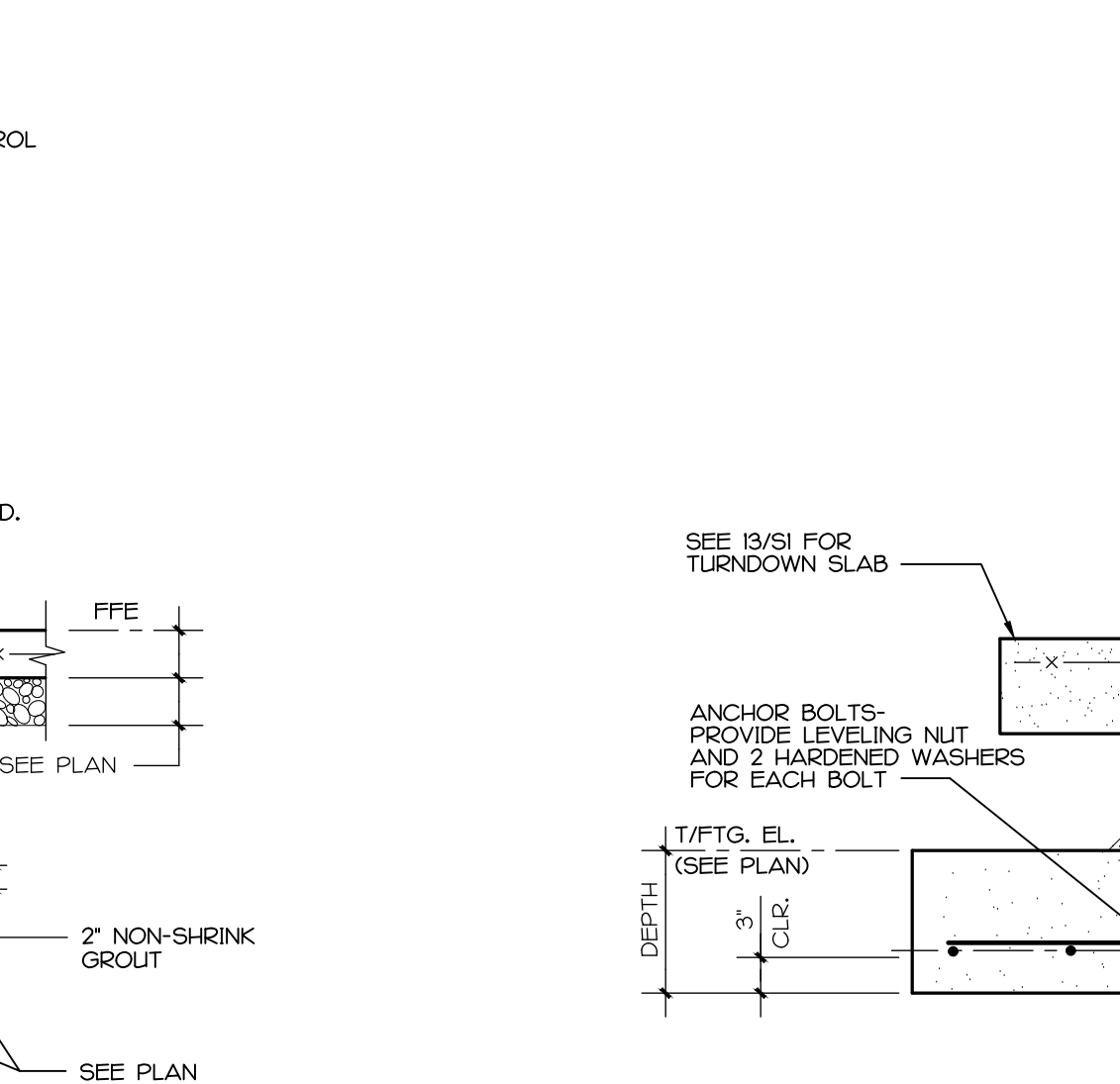
MARK	SIZE	BASE PLATE	ANCHOR BOLTS
C1	HSS4x4x1/4	3/4"x12"x1'-0"	4 - 3/4" ø EPOXY
C2			



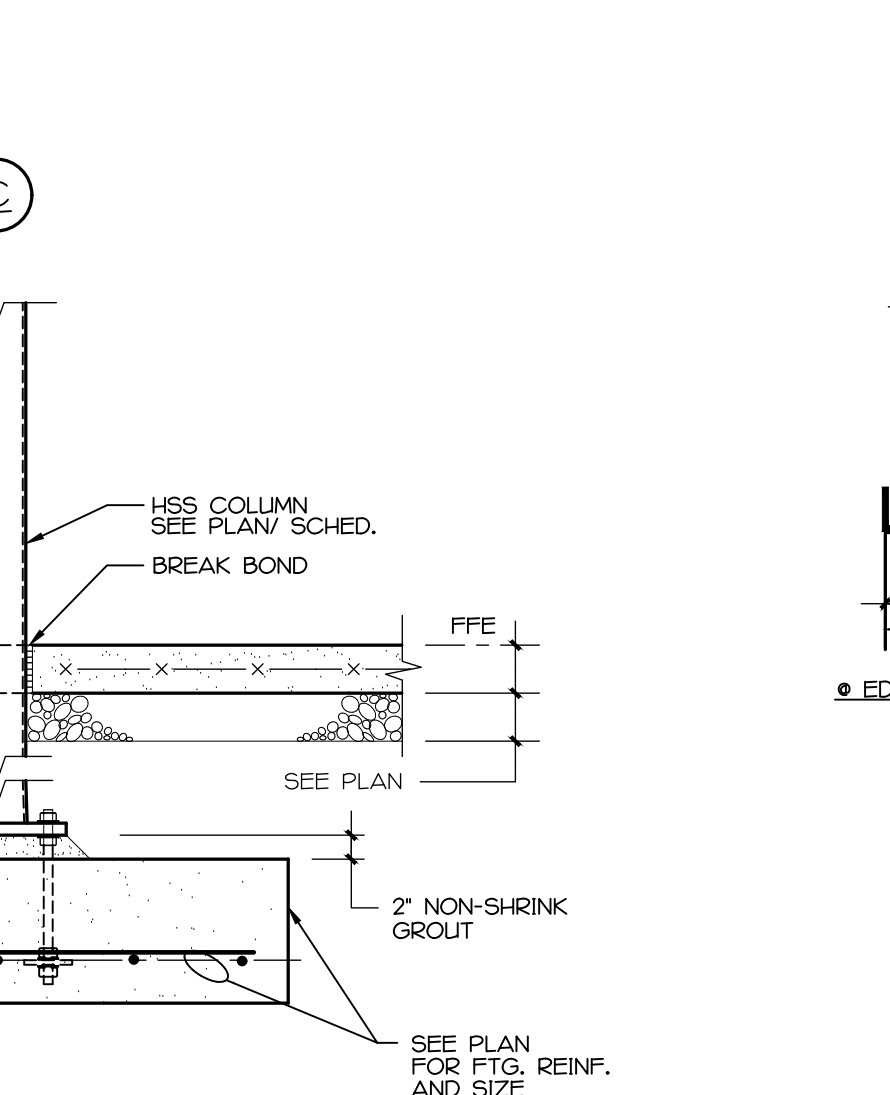
C1 BASE PLATE DETAIL



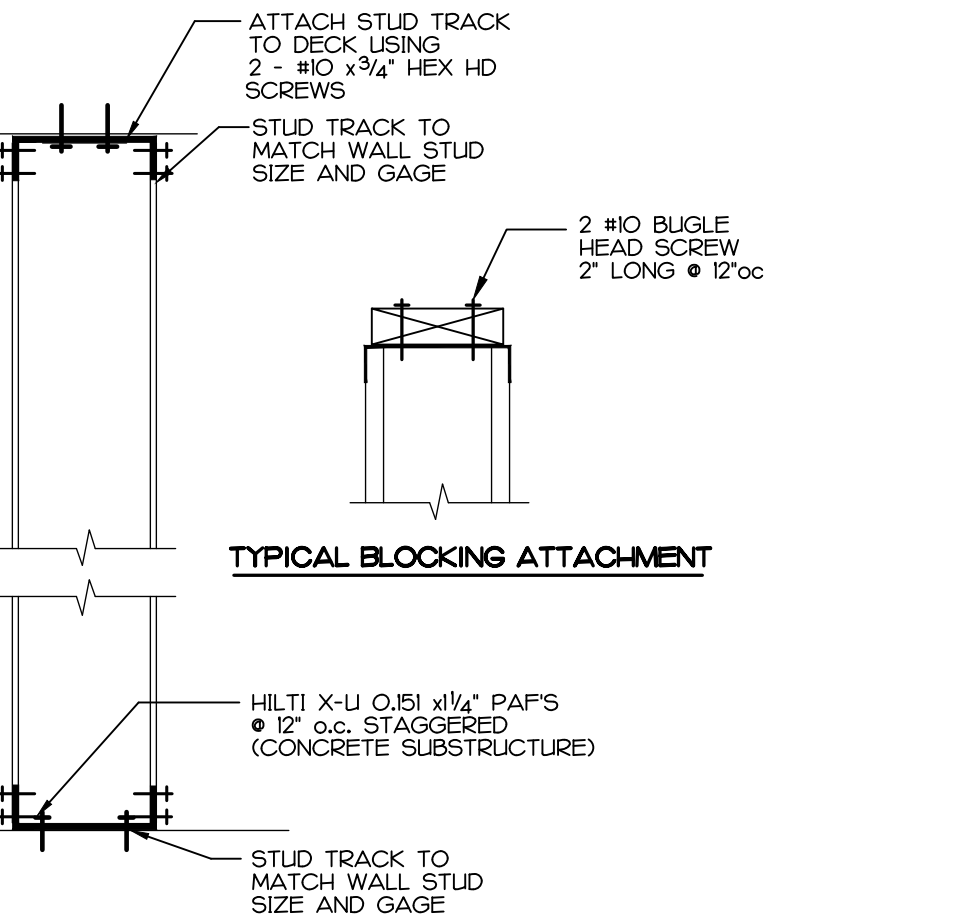
4 SECTION AT COLUMN 3/4" x 1'-0"



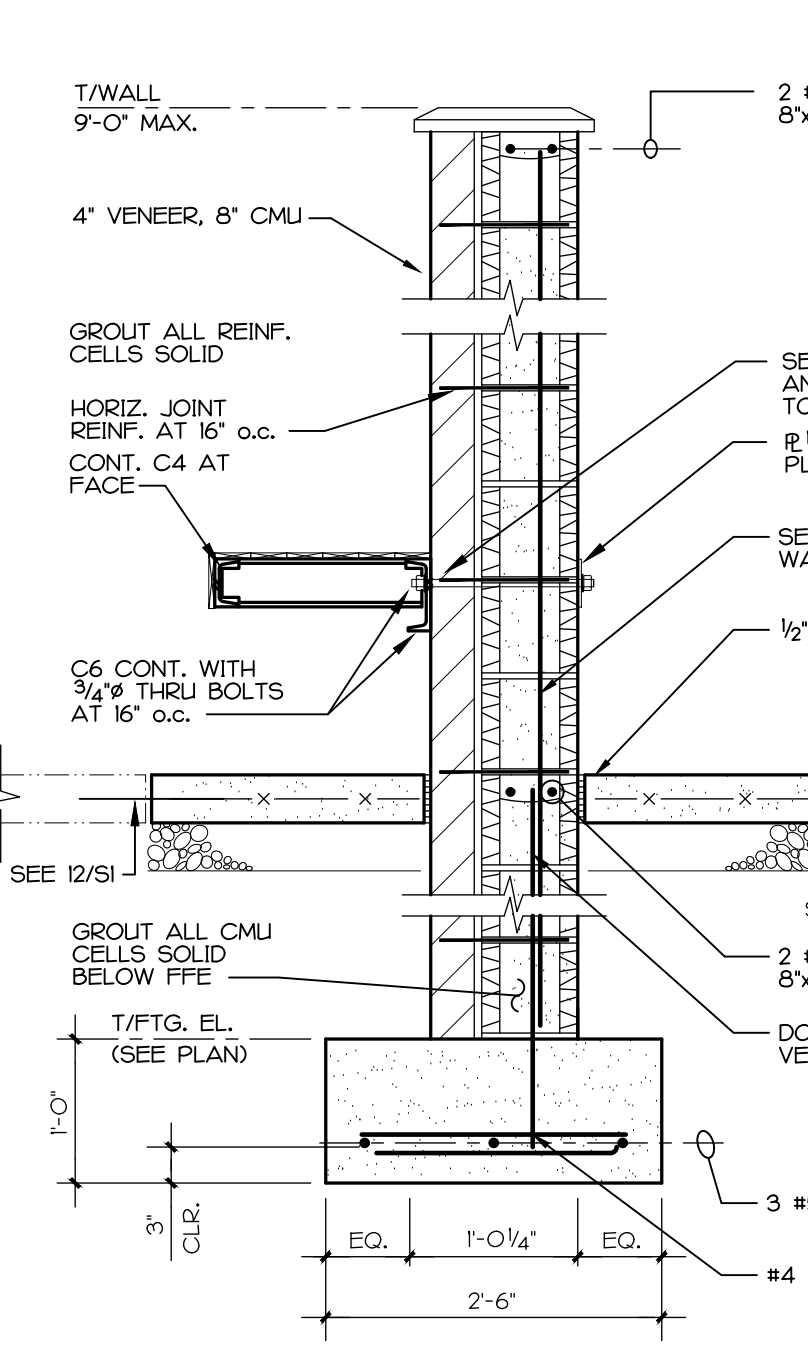
5 SECTION AT COLUMN 3/4" x 1'-0"



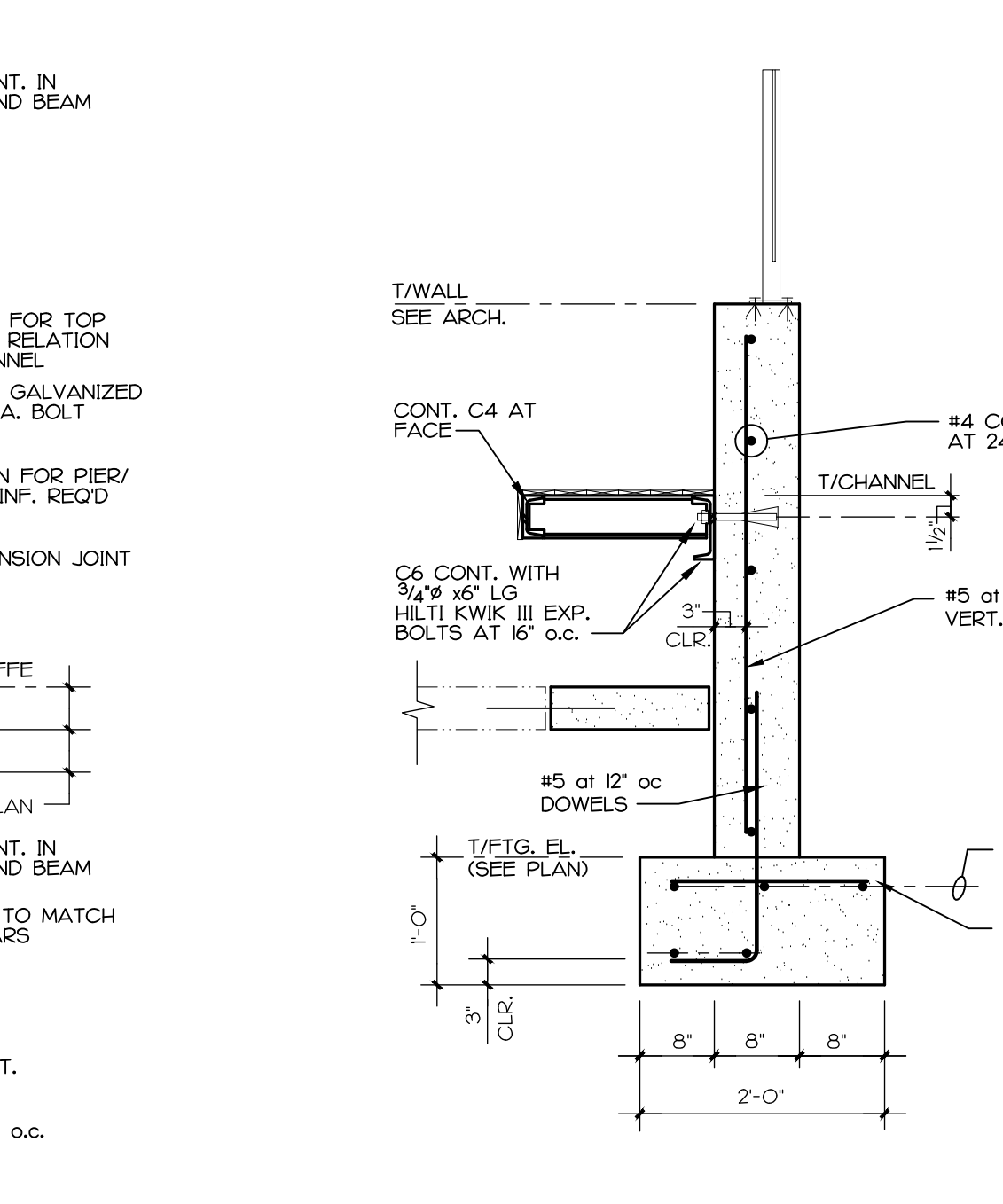
6 SECTION AT STUD BASE & TOP 1 1/2" x 1'-0" TYPICAL DETAIL



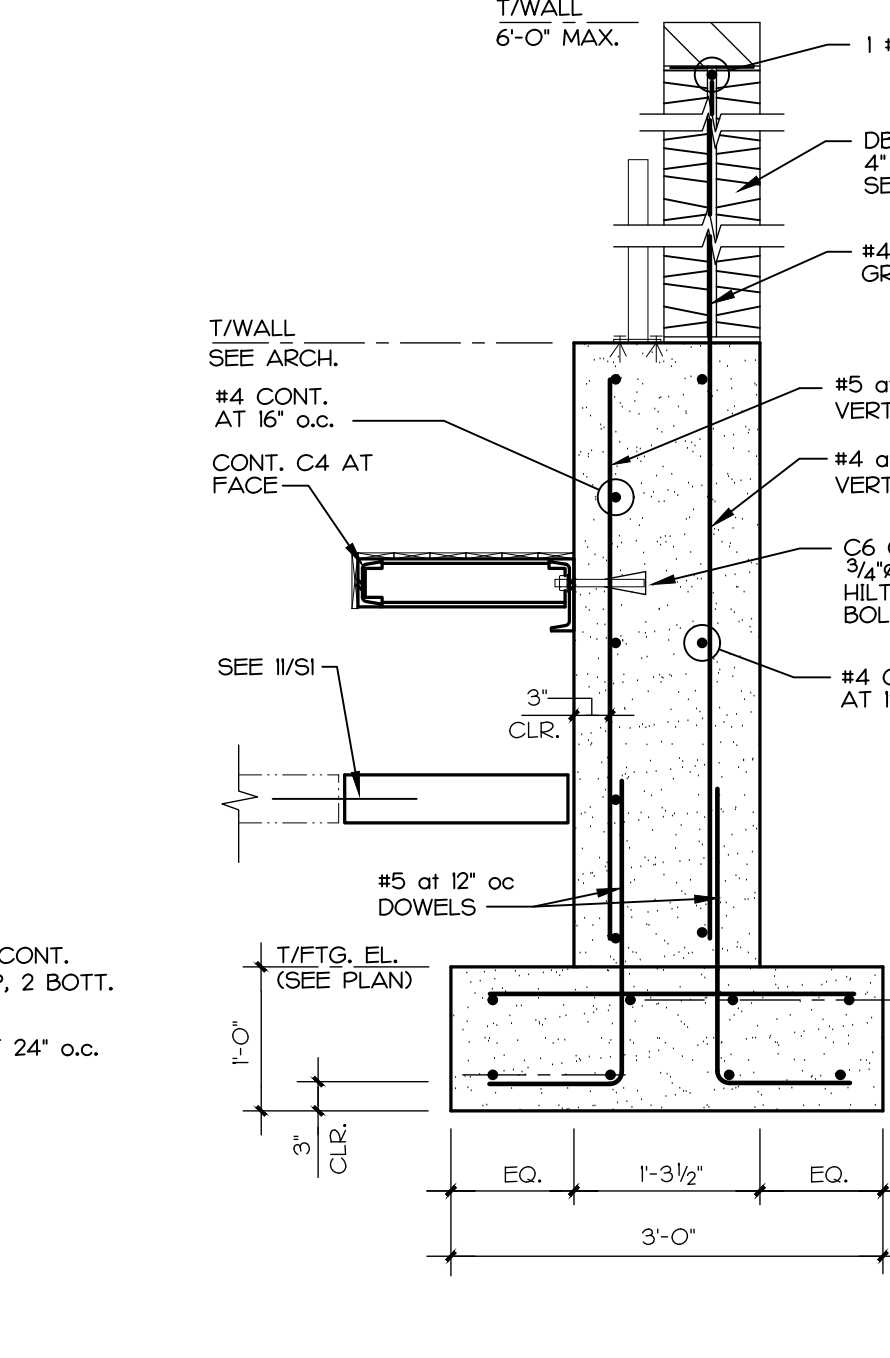
TYPICAL BLOCKING ATTACHMENT



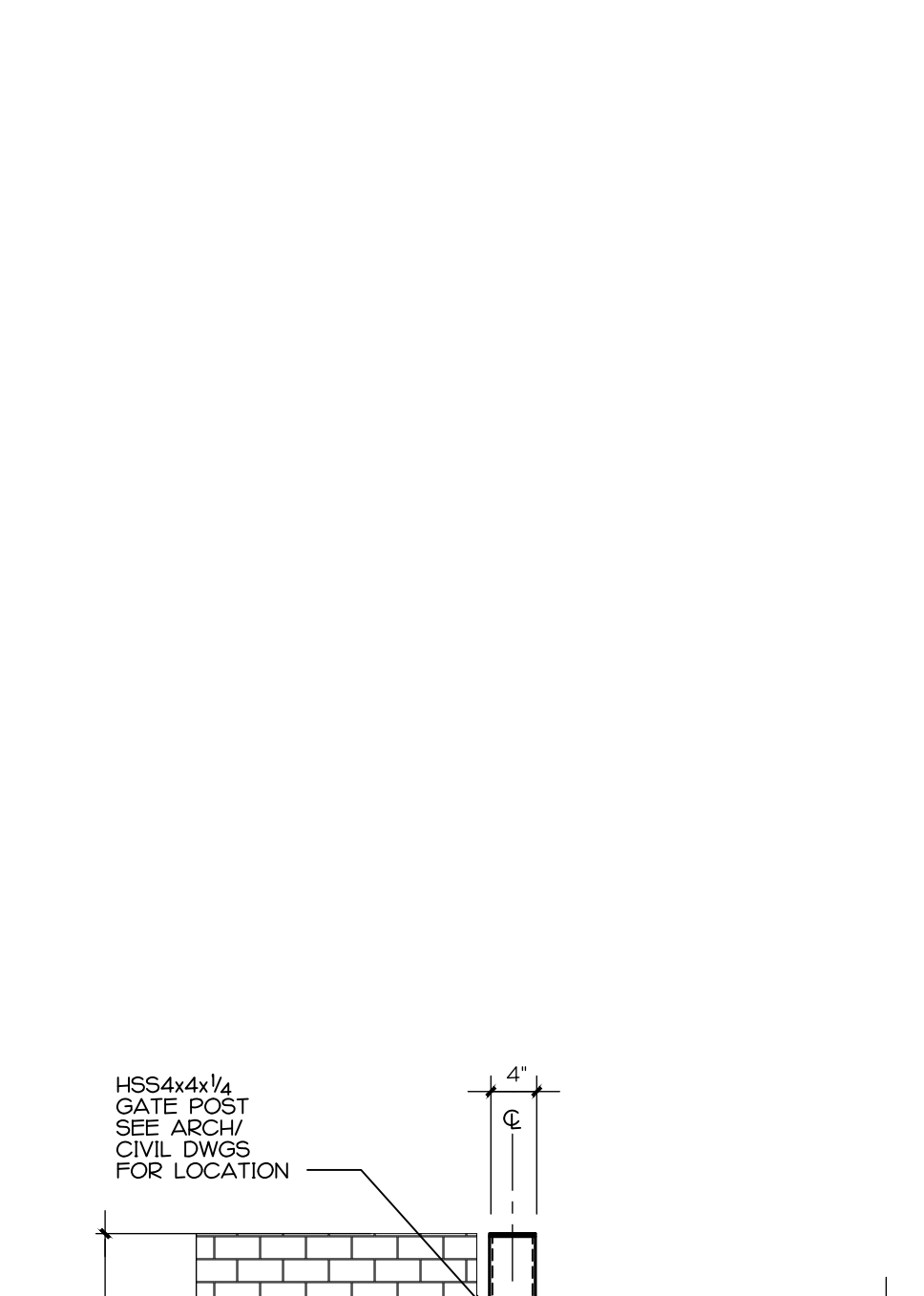
7 SECTION AT WALL FOOTING 3/4" x 1'-0"



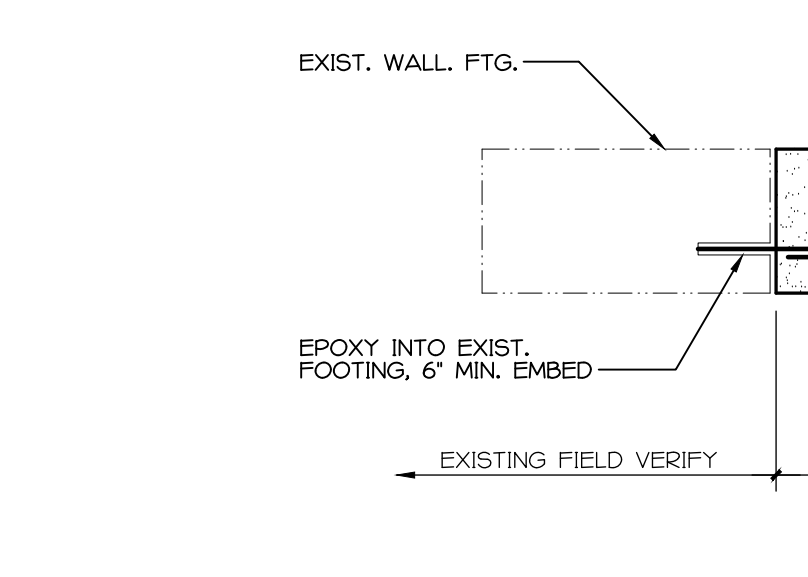
8 SECTION 3/4" x 1'-0"



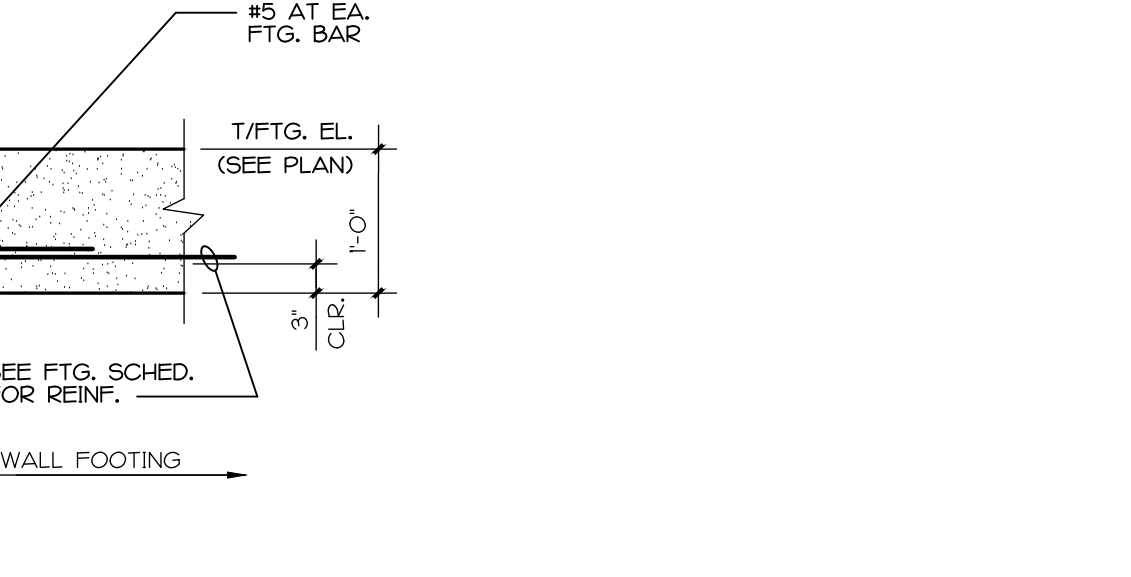
9 SECTION 3/4" x 1'-0"



10 SECTION AT TRANSFORMER GATE 3/4" x 1'-0"



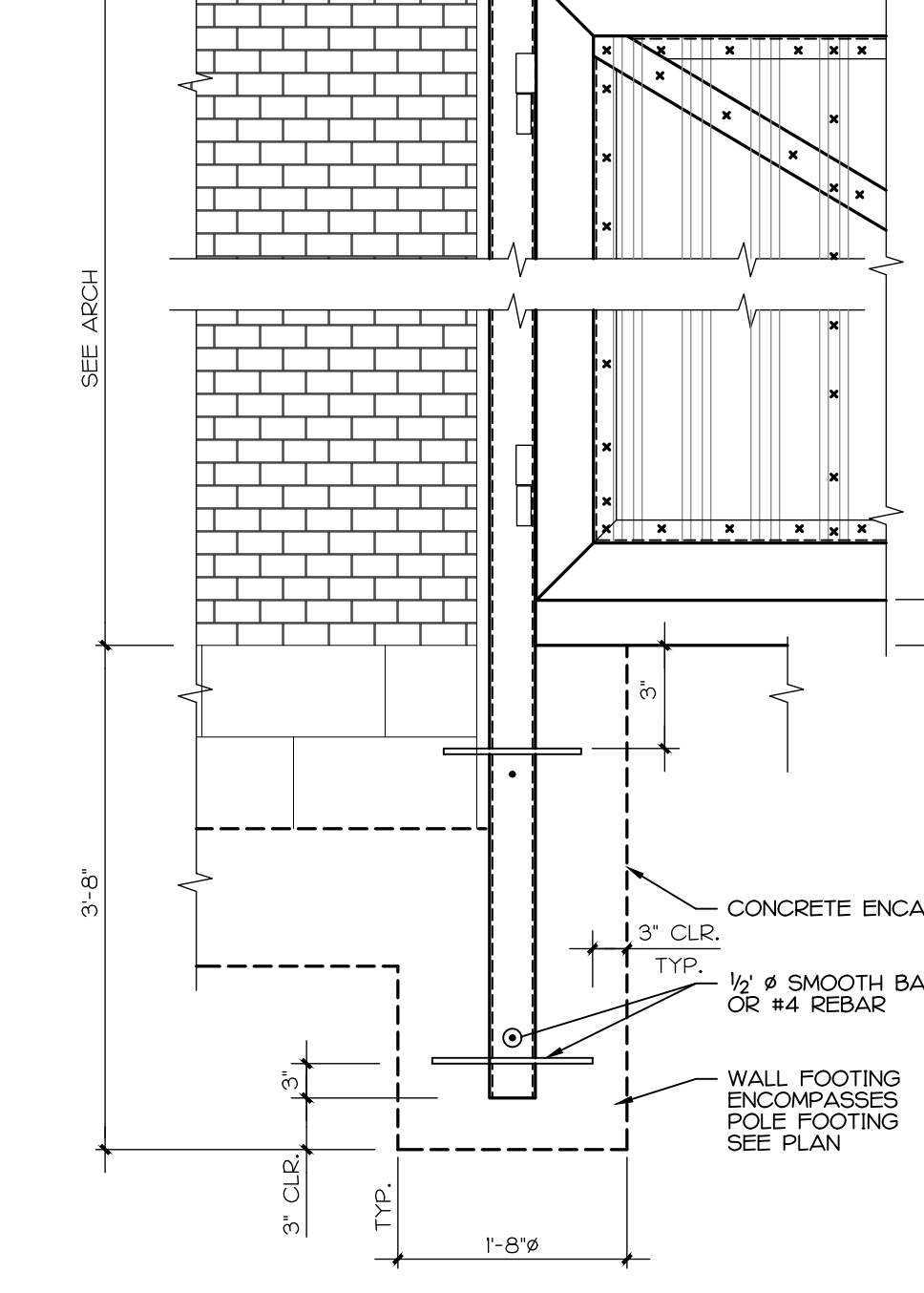
11 SECTION AT WALL FOOTING (IF REQUIRED) 3/4" x 1'-0"



12 SECTION AT NEW/EXIST. SLAB NO SCALE



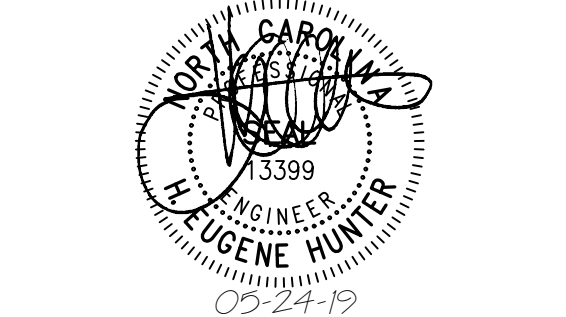
13 SECTION - TURNED DOWN SLAB 3/4" x 1'-0"



14 SECTION AT TRANSFORMER GATE 3/4" x 1'-0"

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FOR CONSTRUCTION



EXTERIOR:
201 S. ESTES DR.
SUITE 400A
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27514

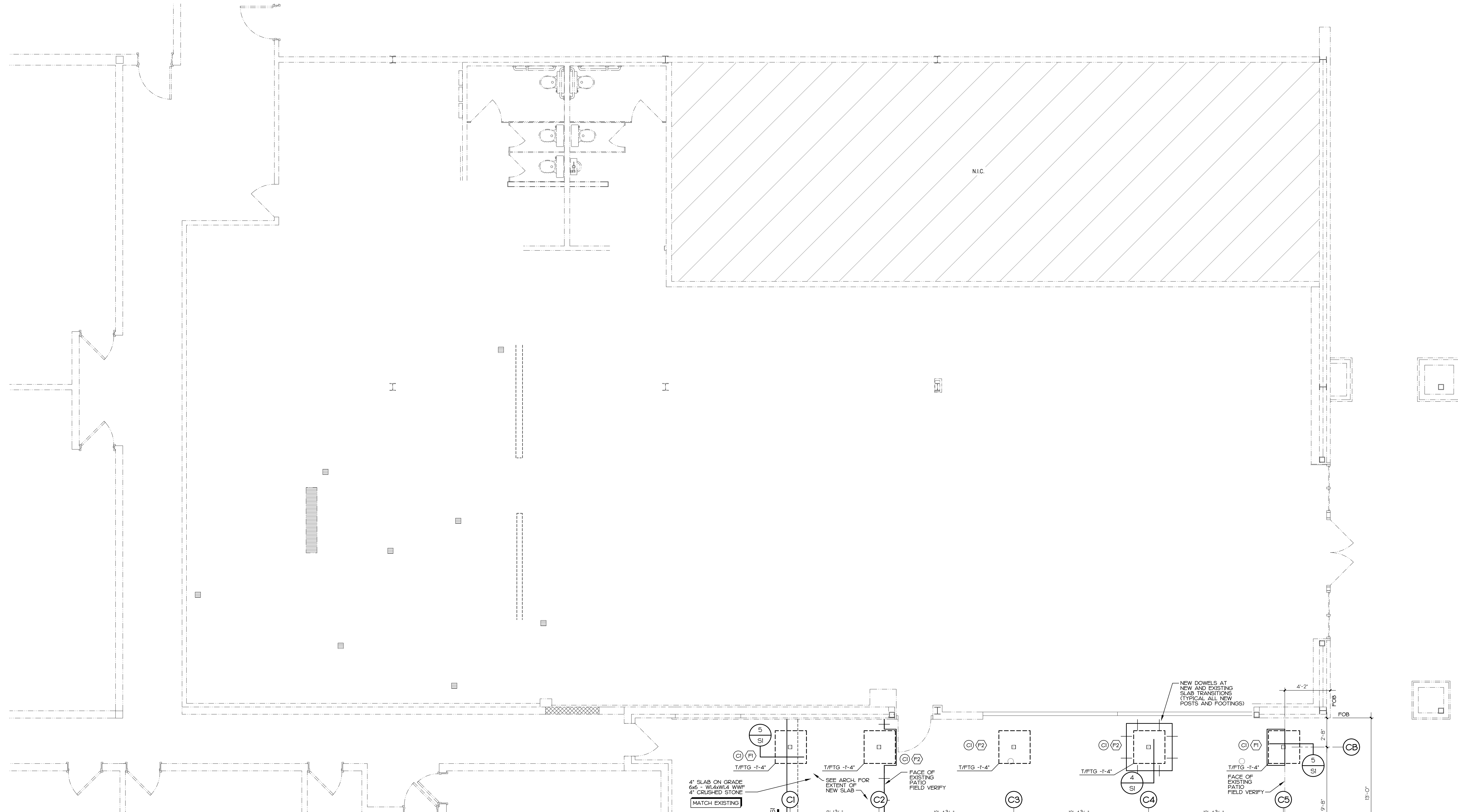
REVISION

no.	date	comment

DRAWN BY: JH
CHECKED BY: GH
CONTRACT NUMBER: 05.24.2019
PROJECT NUMBER: HSPA-3654

GENERAL NOTES,
SECTIONS, AND
DETAILS
S1

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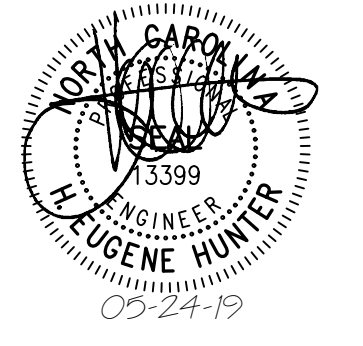
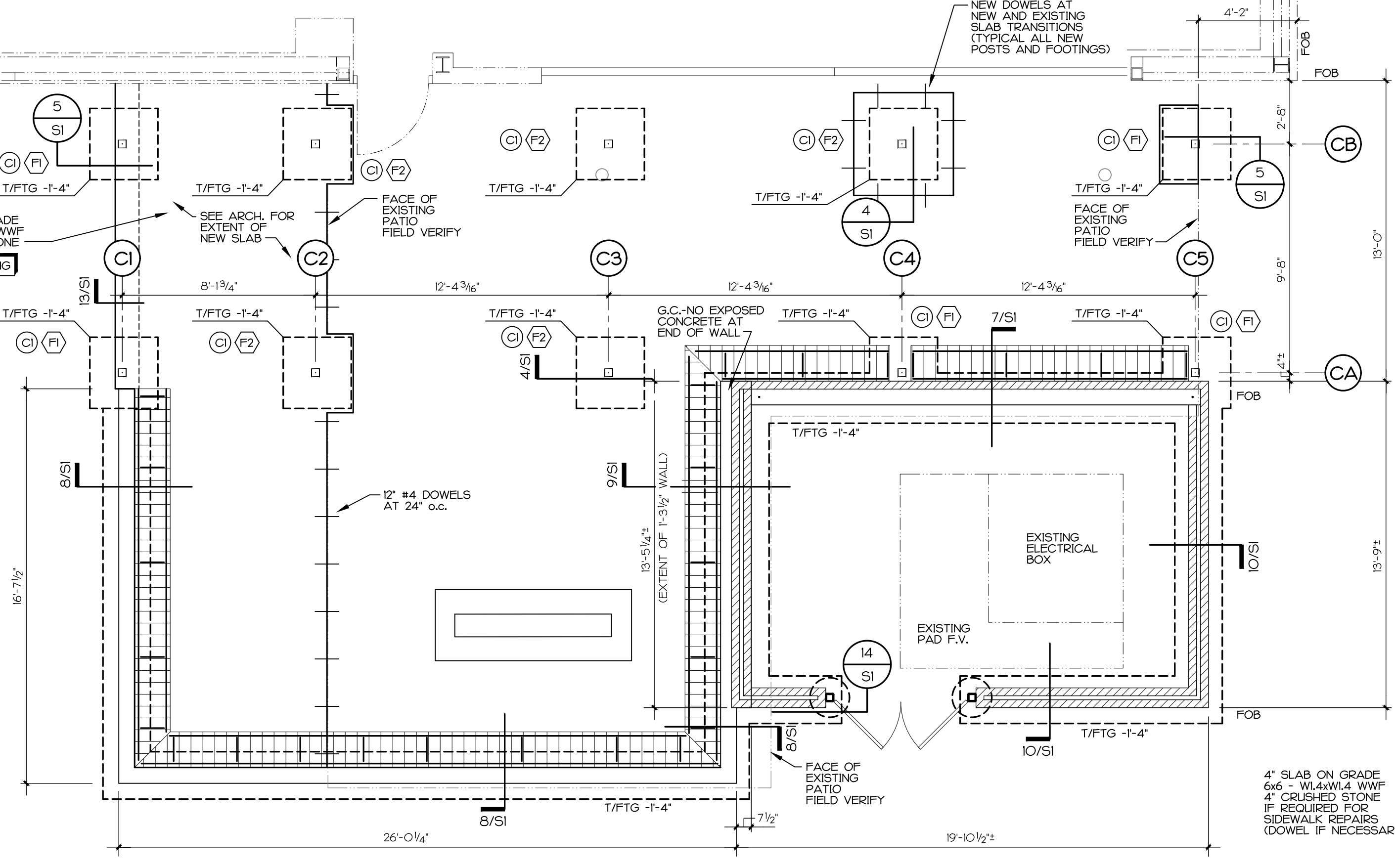
FOUNDATION PLAN

1/2" = 1'-0"
FOUNDATION SHEET NOTES:
 FINISHED FLOOR ELEVATION SHALL MATCH EXISTING FINISHED FLOOR ELEVATION UNLESS NOTED OTHERWISE AS 1'-0".
 TOP OF FOOTING (T/FTG) IS MEASURED RELATIVE TO FINISHED FLOOR ELEVATION 0'-0" AND IS TO MATCH EXISTING T/FTG ELEVATION.

- FFE --- INDICATES FINISHED FLOOR ELEVATION
 - EOS --- INDICATES EDGE OF SLAB
 - SOG --- INDICATES SLAB ON GRADE
 - F. V. --- INDICATES FIELD VERIFY
 - (R) --- 3'-0"x3'-0"x1'-0" w/4 #4 12'-0" EACH WAY
 - (P) --- 3'-6"x3'-6"x1'-0" w/4 #4 13'-0" EACH WAY
 - (C) --- INDICATES HS44x4 1/2" w/ 3/4"x24"x0" BASE PLATE w/ 4-#4W EPOXY ANCHOR BOLTS
- REFER TO OTHER ARCHITECTURAL PLANS FOR ALL INTERIOR WALL DIMENSIONS, SET BACKS, FLOOR DEPRESSIONS, ETC.

DEMOLITION NOTES

DEMOLITION PLAN SHEET NOTES:
 ALL EXISTING FRAMING AND DIMENSIONS SHOWN ARE TO BE FIELD VERIFIED.
 ALL DEMOLITION MEANS AND SEQUENCING ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
 DESIGN, DETAILING, AND IMPLEMENTATION OF ALL SHORING AND BRACING REQUIRED FOR THE PROJECT DURING CONSTRUCTION IS THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR. SHORING DESIGN SHALL BE SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NORTH CAROLINA, SUBMITTED FOR REVIEW PRIOR TO CONSTRUCTION.
 USE THE FOLLOWING MIN. LOADS FOR DESIGNING SHORING:
 DEAD LOAD - 30 PSF
 LIVE LOAD - 20 PSF
 GENERAL CONTRACTOR IS TO VERIFY ALL EXISTING CONDITIONS AND DETAILS IN THE FIELD BEFORE FABRICATING MATERIALS. NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN ACTUAL EXISTING CONDITIONS AND THOSE ASSUMED IN THE PREPARATION OF DRAWINGS SO THAT NECESSARY MODIFICATIONS CAN BE MADE TO THE DRAWINGS.



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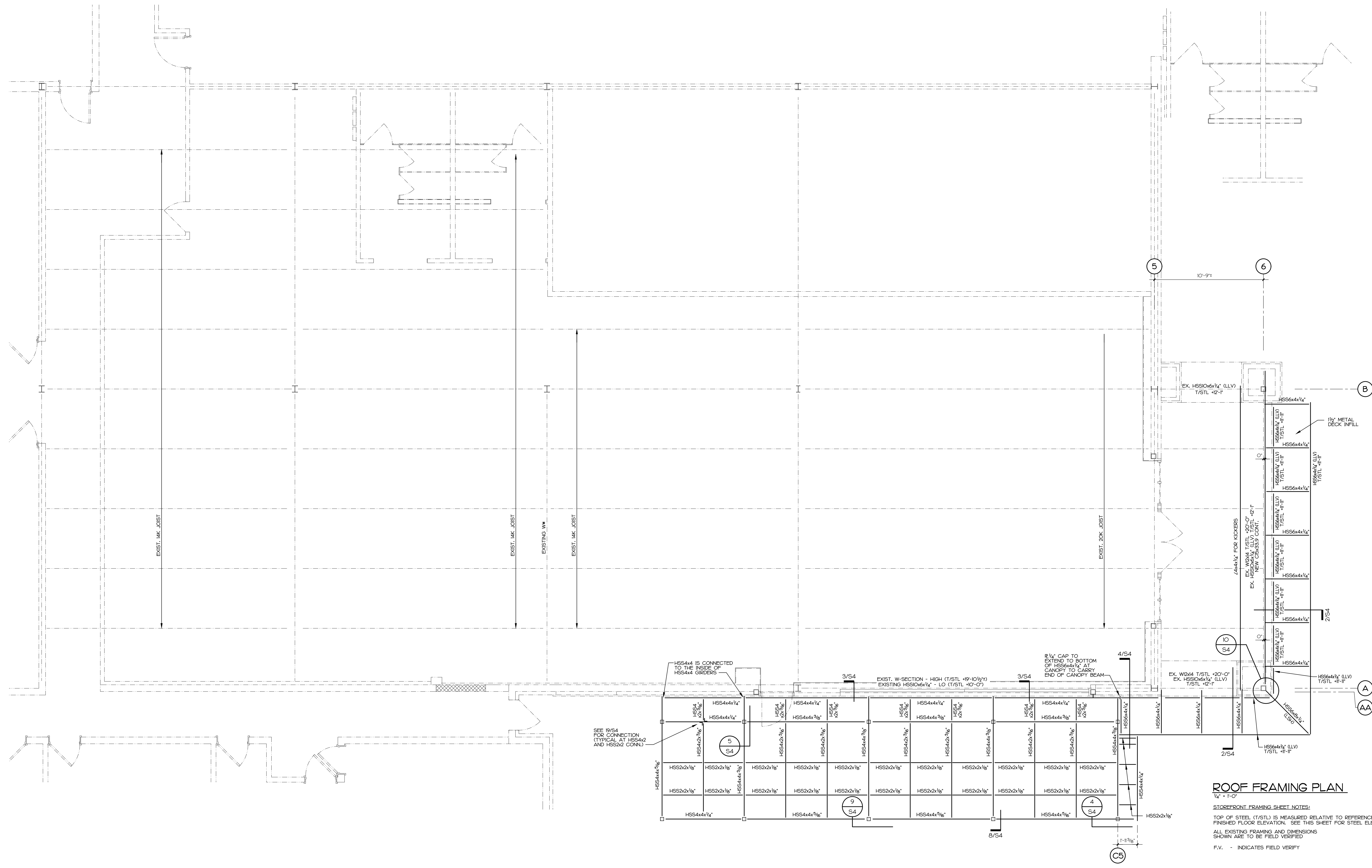
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no.	date	comment

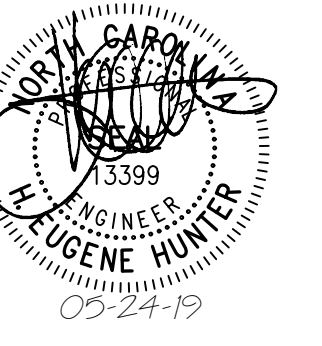
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 CONTRACT NUMBER 05.24.2019
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ROOF FRAMING PLAN

1/2" = 1'-0"
 STOREFRONT FRAMING SHEET NOTES:
 TOP OF STEEL (T/STL) IS MEASURED RELATIVE TO REFERENCED FINISHED FLOOR ELEVATION. SEE THIS SHEET FOR STEEL ELEVATIONS.
 ALL EXISTING FRAMING AND DIMENSIONS SHOWN ARE TO BE FIELD VERIFIED.
 F.V. - INDICATES FIELD VERIFY



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 201 S. ESTES DR.
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 27514

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 CONTRACT NUMBER: 05.24.2019
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PLUMBING LEGEND	
PIPING	
— G —	NATURAL GAS PIPING (G)
SYMBOLS	
—	CAP
— —	GAS COCK
— — —	PIPE CONTINUES
— — — —	PIPE DOWN
— — — — —	PIPE UP
●	POINT OF CONNECTION TO EXISTING
ABBREVIATIONS	
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AHAP	AS HIGH AS POSSIBLE
BLDG	BUILDING
BLW	BELOW
CLG	CEILING
CONN	CONNECT OR CONNECTION
CONT	CONTINUATION
DN	DOWN
E.C.	ELECTRICAL CONTRACTOR
EX. EXIST. (E)	EXISTING
FFE	FINISHED FLOOR ELEVATION
FLR	FLOOR
G.C.	GENERAL CONTRACTOR
M.C.	MECHANICAL CONTRACTOR
MTD	MOUNTED
P.C.	PLUMBING CONTRACTOR
TP	TYPICAL

PLUMBING GENERAL NOTES	
GENERAL REQUIREMENTS:	
1.	GENERAL AND SPECIAL CONDITIONS: GENERAL AND SPECIAL CONDITIONS ARE HEREBY MADE AN INTEGRAL PART OF THIS DIVISION OF THE SPECIFICATIONS INsofar AS SAME ARE APPLICABLE TO THE WORK UNDER THIS DIVISION AND UNLESS OTHERWISE SPECIFIED.
2.	SCOPE: PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED FOR THE COMPLETION AND OPERATION OF ALL SYSTEMS IN THIS SECTION OF WORK.
3.	CODE COMPLIANCE: ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF ALL AUTHORITIES HAVING JURISDICTION, BUILDING DEPARTMENTS, AND DEPARTMENT OF HEALTH. APPLICABLE NATIONAL, STATE, AND LOCAL CODES, LAWS, AND REGULATIONS GOVERNING OR RELATING TO ANY PORTION OF THIS WORK SHALL BE INCORPORATED INTO AND MADE A PART OF THESE CONTRACT DOCUMENTS AND SPECIFICATIONS. THE CONTRACTOR IS TO NOTIFY THE ARCHITECT/ENGINEER OF ANY WORK OR MATERIALS WHICH VIOLATE ANY OF THE ABOVE CODES, LAWS, OR REGULATIONS. ANY WORK DONE BY THE CONTRACTOR CAUSING SUCH A VIOLATION SHALL BE CORRECTED AT THE CONTRACTOR'S EXPENSE AND AT NO EXPENSE TO THE OWNER.
4.	PERMITS: APPLY FOR AND PAY FOR ALL NECESSARY PERMITS, FEES, AND INSPECTIONS REQUIRED BY ANY PUBLIC AUTHORITY HAVING JURISDICTION.
5.	WARRANTY: PROVIDE ALL LABOR, MATERIALS, AND EQUIPMENT UNDER THIS SECTION OF THE SPECIFICATIONS WITH A ONE YEAR WARRANTY FROM THE DATE OF ACCEPTANCE OF WORK BY THE OWNER.
6.	RECORD DRAWINGS: CONTRACTOR SHALL MAINTAIN AN ACCURATE RECORD OF ALL AS-BUILT CONDITIONS DURING CONSTRUCTION AND TURN OVER ONE COPY EACH TO THE OWNER AND THE ARCHITECT AFTER COMPLETION.
7.	OPERATING MANUALS: CONTRACTOR SHALL FURNISH TO THE OWNER 3 SETS OF OPERATION AND MAINTENANCE MANUALS FOR ALL MAJOR PIECES OF EQUIPMENT.
8.	COORDINATION: VERIFY ALL ROUGH-IN LOCATIONS AND COORDINATE PIPING AND EQUIPMENT LOCATIONS WITH WORK UNDER OTHER DIVISIONS OF THE SPECIFICATIONS TO AVOID CONFLICTS. CONTRACTOR MUST COORDINATE WITH OTHER TRADES FOR ALL STRUCTURES, PIPING, CONDUIT, DUCTWORK, LIGHTING, ETC TO PROPERLY BE INSTALLED. ANY CONFLICTS SHALL BE RESOLVED AT NO EXPENSE TO THE OWNER.
9.	FIELD VERIFICATION: FIELD VERIFY EXISTING CONDITIONS BEFORE STARTING CONSTRUCTION AND NOTIFY THE ARCHITECT/ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THE CONSTRUCTION DOCUMENTS AND EXISTING CONDITIONS, AND/OR ANY POTENTIAL PROBLEMS OBSERVED, BEFORE CONTINUING WORK IN THE AFFECTED AREAS.
10.	SUBSTITUTIONS: THE PRODUCTS SCHEDULED ON THE DRAWINGS ARE THE BASIS OF DESIGN. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ALL SUBSTITUTIONS MADE WITHOUT PRIOR WRITTEN APPROVAL MEET THE DRAWING SPECIFICATIONS AND FIT WITHIN THE SPACES PROVIDED.
11.	LABEL ALL PLUMBING PIPING WITH ADHESIVE PIPE LABELS INDICATING SERVICE AND DIRECTION OF FLOW. PIPE LABELS SHALL BE LOCATED NEAR ALL BRANCH CONNECTIONS, NEAR ALL FLOOR AND WALL PENETRATIONS, AND AT MAXIMUM INTERVALS OF 25' ALONG EACH RUN.
12.	PLUMBING SYSTEMS INCLUDE, BUT ARE NOT LIMITED TO: -PLUMBING FIXTURES AND EQUIPMENT -FIRE STOPPING -NATURAL GAS SYSTEM
NATURAL GAS PIPING:	
1.	WORK TO INCLUDE PIPING FROM EXISTING PIPING, TO ALL GAS-FIRED EQUIPMENT SERVING BUILDING, INCLUDING FINAL CONNECTIONS TO EQUIPMENT.
2.	ALL WORK SHALL BE IN ACCORDANCE WITH NCFGC, ALL APPLICABLE LOCAL CODE REQUIREMENTS, THE PROVISIONS OF NFPA 54 AND THE REGULATIONS OF THE GAS COMPANY PROVIDING SERVICE.
3.	THE GAS PIPING SYSTEM HAS BEEN DESIGNED USING THE LONGEST LENGTH METHOD WITH THE FOLLOWING CRITERIA: GAS TYPE: NATURAL GAS INLET PRESSURE: 2.0 PSI PRESSURE DROP: 1.0 PSI SPECIFIC GRAVITY: 0.60 SYSTEM LENGTH: 650 FT TOTAL LOAD: 2,907 MBH (1 MBH = 1 CFH) SIZING TABLE: 2018 NCFGC, TABLE 402.4(5)
4.	NATURAL GAS PIPING: ASTM A 53 SCHEDULE 40 SEAMLESS BLACK STEEL PIPE WITH MALLEABLE FITTINGS AND THREADED JOINTS.
5.	METALLIC GAS PIPING INSTALLED UNDERGROUND SHALL BE PROTECTED FROM CORROSION BY A FACTORY APPLIED, THREE-LAYER COATING OF EPOXY PAINT, ADHESIVE, AND POLYETHYLENE WRAP.
6.	TEST, INSPECT, AND PURGE ALL NEW PIPING AND ALL EXISTING PIPING THAT HAS BEEN ALTERED IN ACCORDANCE WITH NFPA 54, IFGC, AND AUTHORITY HAVING JURISDICTION.
7.	VALVES SHALL BE FULL PORT BALL VALVES APPROVED FOR USE IN NATURAL GAS PIPING SYSTEMS.
8.	PROVIDE SHUT-OFF VALVE, UNION, VENTLESS GAS REGULATOR, DRIP LEG, AND TEST CONNECTION AT EACH PIECE OF GAS-FIRED EQUIPMENT TO PROVIDE PRESSURE TO EQUIPMENT AS REQUIRED BY MANUFACTURER.
9.	ALL GAS PIPING LOCATED ON ROOFS SHALL BE INSTALLED ON MANUFACTURED PIPE SUPPORTS SIMILAR TO ERICO CADDY PYRAMID 50. WOOD BLOCKING WILL NOT BE PERMITTED.



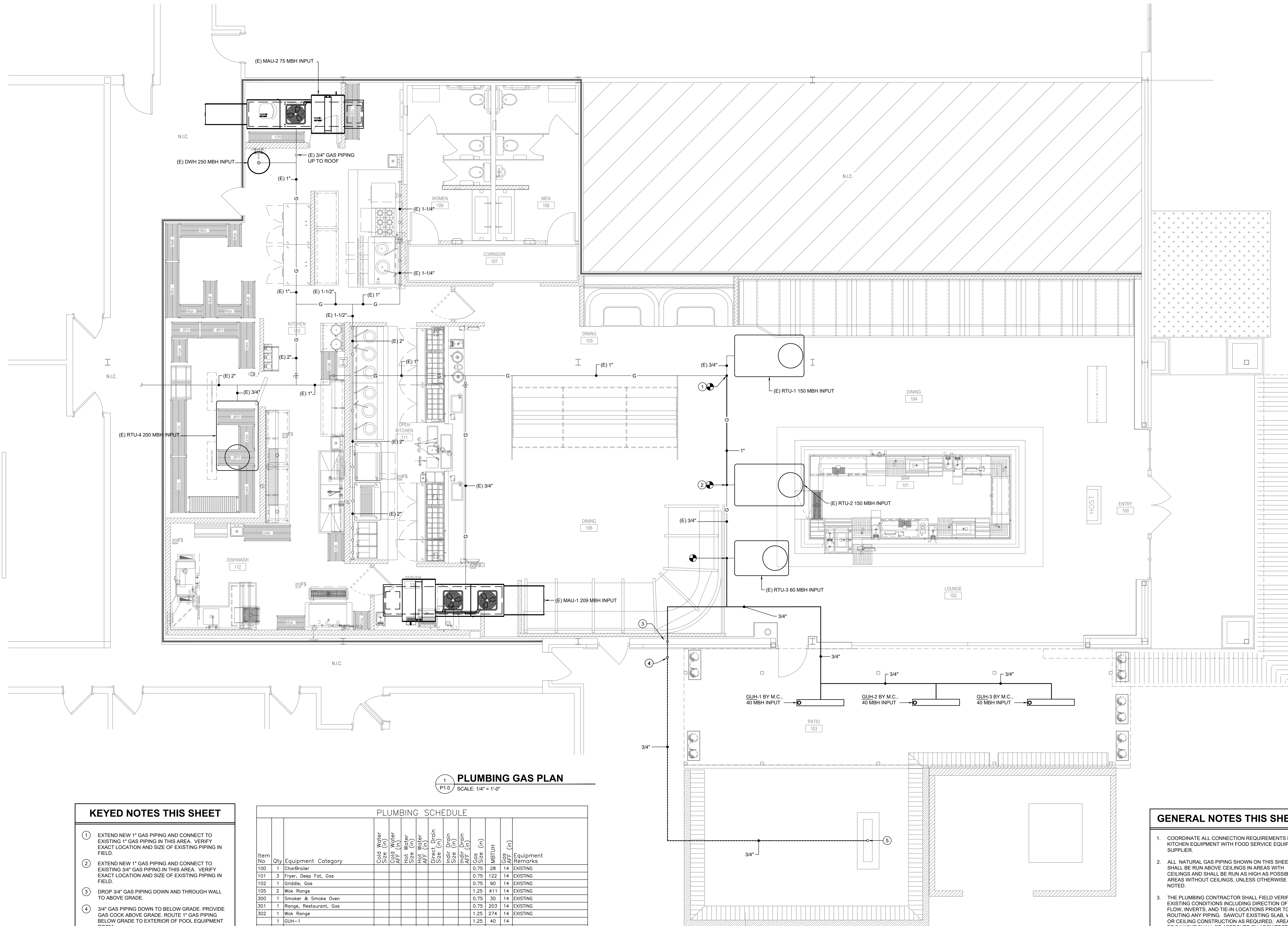
FOR CONSTRUCTION



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no.	date	comment

DRAWN BY	SBC
CHECKED BY	BRD/MJS
ISSUE DATE	05.24.2019
PROJECT NUMBER	02-1828

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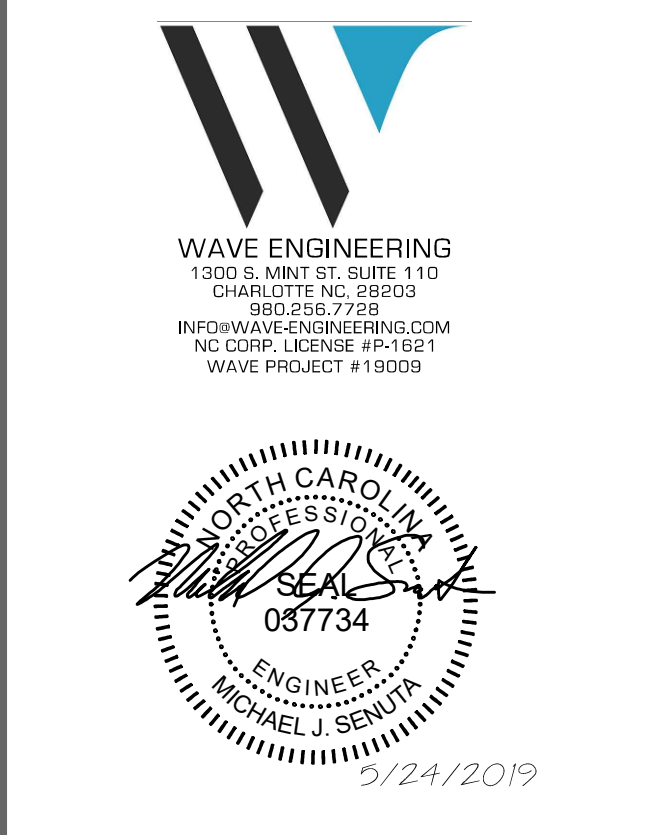
1 PLUMBING GAS PLAN
P1.0 SCALE: 1/4" = 1'-0"

- KEYED NOTES THIS SHEET**
- EXTEND NEW 1" GAS PIPING AND CONNECT TO EXISTING 1" GAS PIPING IN THIS AREA. VERIFY EXACT LOCATION AND SIZE OF EXISTING PIPING IN FIELD.
 - EXTEND NEW 1" GAS PIPING AND CONNECT TO EXISTING 3/4" GAS PIPING IN THIS AREA. VERIFY EXACT LOCATION AND SIZE OF EXISTING PIPING IN FIELD.
 - DROP 3/4" GAS PIPING DOWN AND THROUGH WALL TO ABOVE GRADE.
 - 3/4" GAS PIPING DOWN TO BELOW GRADE. PROVIDE GAS COCK ABOVE GRADE. ROUTE 1" GAS PIPING BELOW GRADE TO EXTERIOR OF POOL EQUIPMENT ROOM.
 - 3/4" GAS PIPING UP FROM BELOW GRADE TO FIREPLACE. 150 MBH MAXIMUM INPUT.

PLUMBING SCHEDULE

Item No	Qty	Equipment Category	Cold Water Size (in)	Cold Water AFF (in)	Hot Water Size (in)	Hot Water AFF (in)	Direct Drain Size (in)	Indir. Drain Size (in)	Gas Size (in)	MBTUH	OS & T (in)	Equipment Remarks
100	1	Char-Broiler							0.75	28	14	EXISTING
101	3	Fryer, Deep Fat, Gas							0.75	122	14	EXISTING
102	1	Griddle, Gas							0.75	90	14	EXISTING
105	2	Wok Range							1.25	411	14	EXISTING
300	1	Smoker & Smoke Oven							0.75	30	14	EXISTING
301	1	Range, Restaurant, Gas							0.75	203	14	EXISTING
302	1	Wok Range							1.25	274	14	EXISTING
1		GUH-1							1.25	40	14	
1		GUH-2							1.25	40	14	
1		GUH-3							1.25	40	14	
1		FIREPLACE							1.25	150	14	
									TOTAL: 3,177 MBH			

- GENERAL NOTES THIS SHEET**
- COORDINATE ALL CONNECTION REQUIREMENTS FOR KITCHEN EQUIPMENT WITH FOOD SERVICE EQUIPMENT SUPPLIER.
 - ALL NATURAL GAS PIPING SHOWN ON THIS SHEET SHALL BE RUN ABOVE CEILINGS IN AREAS WITH CEILINGS AND SHALL BE RUN AS HIGH AS POSSIBLE IN AREAS WITHOUT CEILINGS, UNLESS OTHERWISE NOTED.
 - THE PLUMBING CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS INCLUDING DIRECTION OF FLOW, INVERTS, AND TIE-IN LOCATIONS PRIOR TO ROUTING ANY PIPING. SAWCUT EXISTING SLAB, WALL, OR CEILING CONSTRUCTION AS REQUIRED. AREAS TO BE SAWCUT SHALL BE APPROVED BY ARCHITECT PRIOR TO CUTTING. ALL SAWCUT AND ALTERED SURFACES SHALL BE FILLED, PATCHED, PAINTED, AND REPAIRED TO MATCH ADJACENT SURFACES.



FOR CONSTRUCTION

HAWKERS
ASIAN STREET FARE
201 S. ESTES DR.
SUITE 400A
CHAPEL HILL, NC
27514

REVISION

no.	date	comment

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CHECKED BY: BRD/MJS
ISSUE DATE: 05.24.2019
PROJECT NUMBER: 02-1828

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GAS UNIT HEATER SCHEDULE									
TAG	MANUFACTURER & MODEL NO.	AREA SERVED	MOUNTING	INPUT (MBH)	OUTPUT (MBH)	ELECTRICAL			NOTES
						V	PH	HZ	
GUH-1-3	CALCANA / PH-40 HO	PATIO	SUSPENDED	40	20.0	120	1	60	1-9

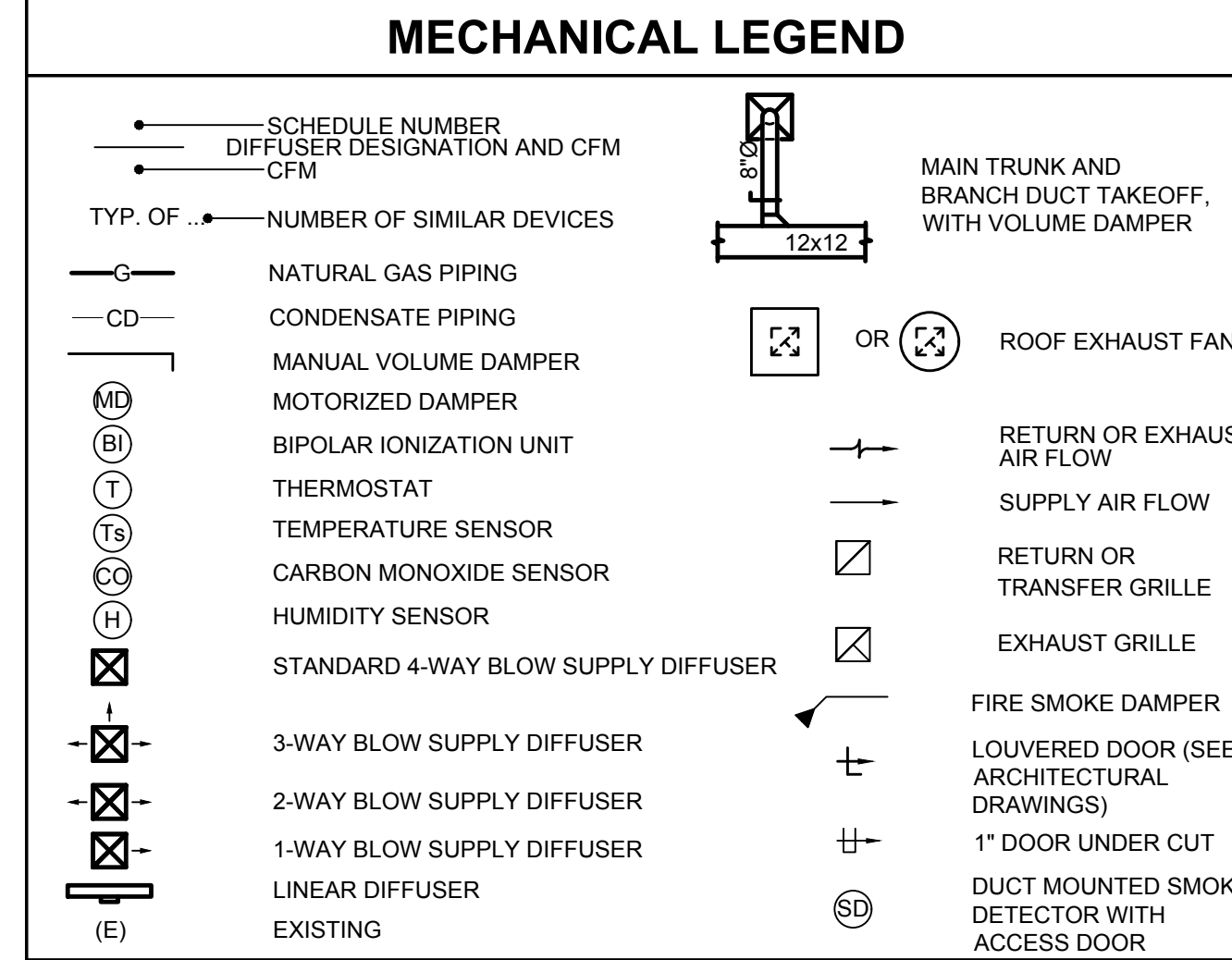
NOTES:

- UNITS SHALL BE U.L. LISTED.
- PROVIDE THERMAL OVERLOAD PROTECTION.
- PROVIDE REMOTE THERMOSTAT.
- ACCEPTABLE EQUALS SHALL BE MARKEL, QMARK, AND REZNOR.
- MOUNT UNIT PER MANUFACTURER'S LITERATURE.
- PROVIDE PRESSURE REGULATOR TO REDUCE PRESSURE TO 7" W.C. AS NEEDED.
- HEATING CAPACITY BASED ON NATURAL GAS AT 1000 BTU PER CUBIC FOOT AND 0.6 SPECIFIC GRAVITY.
- PROVIDE UNIT WITH MANUFACTURER'S VENT KIT AND INTALL PER MANUFACTURER'S RECOMMENDATIONS.
- PROVIDE 24 VOLT TRANSFORMER START/STOP RELAY.

AIR CURTAIN SCHEDULE							
TAG	MANUFACTURER & MODEL NO.	LOCATION	LENGTH	MOTOR HP	V-PH	WEIGHT (LB)	NOTES
AC-3	MARSAIR / LPV296-ZUA-OB	ABOVE DOOR	96"	2@.16	120/1	90	1-4

NOTES:

- INTEGRAL DISCONNECT SWITCH
- INTEGRAL SPEED CONTROLLER
- COORDINATE COLOR WITH ARCHITECT.
- CONTROL WITH DOOR SWITCH



ENERGY REQUIREMENTS: MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

METHOD OF COMPLIANCE

PRESCRIPTIVE PERFORMANCE ENERGY COST BUDGET

CLIMATE ZONE	3
WINTER DRY BULB	23
SUMMER DRY BULB	91
INTERIOR DESIGN CONDITIONS	
WINTER DRY BULB	70
SUMMER DRY BULB	75
RELATIVE HUMIDITY	50
BUILDING HEATING LOAD (MBH)	NA
BUILDING COOLING LOAD (MBH)	NA
MECHANICAL SPACING CONDITIONING SYSTEM	
UNITARY	
DESCRIPTION OF UNIT	SEE SCHEDULES
HEATING EFFICIENCY	SEE SCHEDULES
COOLING EFFICIENCY	SEE SCHEDULES
HEAT OUTPUT OF UNIT	SEE SCHEDULES
COOLING OUTPUT OF UNIT	SEE SCHEDULES
BOILER	NA
TOTAL BOILER OUTPUT, IF OVERSIZED, STATE REASON.	
CHILLER	NA
TOTAL CHILLER OUTPUT, IF OVERSIZED, STATE REASON.	
LIST EQUIPMENT EFFICIENCIES	SEE SCHEDULES
EQUIPMENT SCHEDULES WITH MOTORS (MECHANICAL SYSTEMS)	
MOTOR HORSEPOWER	SEE SCHEDULES
NUMBER OF PHASES	SEE SCHEDULES
MINIMUM EFFICIENCY	SEE SCHEDULES
MOTOR TYPE	SEE SCHEDULES
NUMBER OF POLES	SEE SCHEDULES

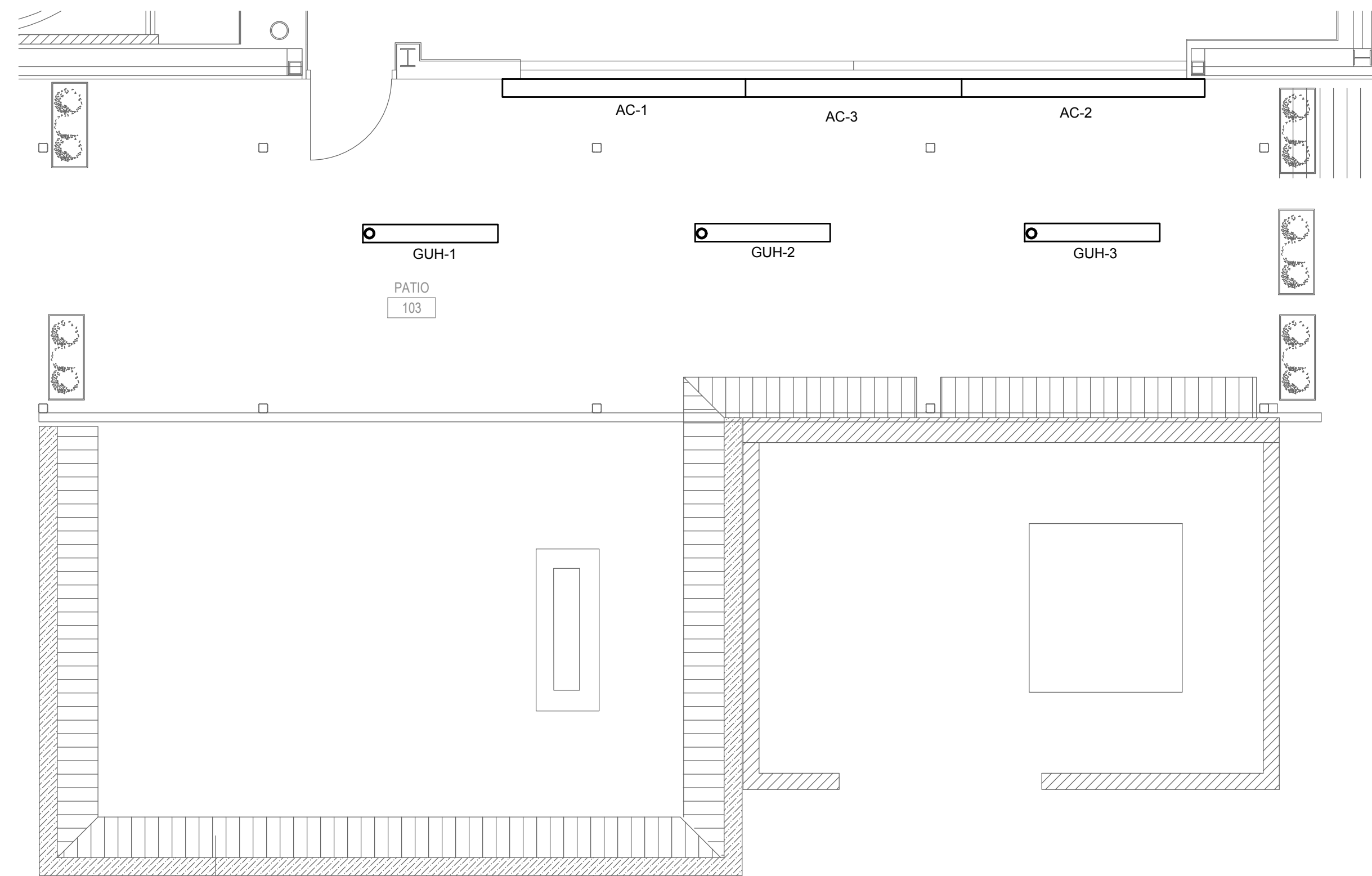
DESIGNER'S STATEMENT:
TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE DESIGN OF THIS BUILDING COMPLIES WITH THE MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT REQUIREMENTS OF THE 2015 ENERGY CODE.

SIGNED: *Brandon R Dillard*

NAME: Brandon R Dillard

TITLE: Mechanical Engineer P.E.

- ### GENERAL MECHANICAL NOTES
- THE CONTRACTOR SHALL FURNISH AND INSTALL ALL MATERIAL AND EQUIPMENT IN STRICT ACCORDANCE WITH APPLICABLE CODES AND STANDARDS, AND PER MANUFACTURER'S DIRECTIONS.
 - THE CONTRACTOR SHALL SECURE AND PAY FOR ALL NECESSARY PERMITS, LICENSE, INSPECTIONS, APPROVALS, AND FEES.
 - THE CONTRACTOR SHALL PROVIDE A WRITTEN GUARANTEE THAT SHALL WARRANT ALL WORKMANSHIP AND MATERIALS FOR ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER. ANY BREAKDOWN OCCURRING IN THE FIRST YEAR SHALL BE AT NO EXPENSE TO THE OWNER. ALL REFRIGERATION COMPRESSORS SHALL HAVE A FIVE YEAR (PARTS ONLY) WARRANTY, AND ALL NATURAL GAS HEAT EXCHANGERS SHALL HAVE A TEN YEAR (PARTS ONLY) WARRANTY.
 - DRAWINGS ARE SCHEMATIC, NOT ALL RISES AND DROPS ARE SHOWN. DO NOT SCALE DRAWINGS FOR MEASUREMENTS.
 - TRADES ARE TO COORDINATE THEIR WORK WITH ALL OTHER TRADES TO AVOID CONFLICTS. GENERALLY, DUCTWORK SHALL BE KEPT AS HIGH AS POSSIBLE.
 - CONTRACTOR SHALL COORDINATE ELECTRICAL CHARACTERISTICS AND REQUIREMENTS OF ALL MECHANICAL EQUIPMENT WITH ELECTRICAL DRAWINGS PRIOR TO ORDERING EQUIPMENT OR SUBMITTING SHOP DRAWINGS AND SHALL FURNISH EQUIPMENT WIRED FOR VOLTAGES SHOWN THEREIN.
 - CONTRACTOR SHALL COORDINATE THE INSTALLATION OF MECHANICAL EQUIPMENT, DUCTWORK, ETC. TO FIT WITHIN THE SPACE ALLOWED BY THE ARCHITECTURAL AND STRUCTURAL CONDITIONS. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRIOR TO ORDERING ANY EQUIPMENT OR MATERIALS. ALL SUSPENDED MATERIALS AND EQUIPMENT SHALL BE INDIVIDUALLY SUPPORTED FROM THE BUILDING STRUCTURE. DO NOT SUSPEND ITEMS FROM THE CEILING OR ITS SUPPORT SYSTEM.
 - CUTTING OR OTHERWISE ALTERING ANY STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT WRITTEN PERMISSION FROM THE STRUCTURAL ENGINEER OR RECORD.
 - CONTRACTOR SHALL KEEP A SET OF MARKED UP PRINTS WITH ANY FIELD CHANGES MADE DURING CONSTRUCTION TO CREATE AN "AS-BUILT" SET OF PRINTS TO BE TURNED OVER TO THE OWNER AT THE COMPLETION OF THE PROJECT.
 - IN THE EVENT CONTRACTOR SUBSTITUTES ALTERNATE MANUFACTURERS THEN CONTRACTOR SHALL COORDINATE ALL ASPECTS OF SUBSTITUTED EQUIPMENT WITH ALL TRADES INCLUDING BUT NOT LIMITED TO GAS SERVICE, ELECTRICAL SERVICE, STRUCTURAL LOADS AND OPENINGS, ETC.
 - PROVIDE ACCESS PANELS IN CEILINGS AND WALLS TO ALLOW ACCESS TO VALVES, TRAPS, DAMPERS, CLEANOUTS, CONTROLS, ETC. MINIMUM ACCESS SIZE - 12"x12", UNLESS LIMITED BY PHYSICAL CONSTRAINTS.
 - ALL CONDENSATE DRAIN PIPING SHALL BE TYPE L HARD DRAWN COPPER, ASTM B-88, WITH TYPE DWV FITTINGS, ASME B16.23, OR SCHEDULE 40 PVC, ASTM D1785, WITH TYPE DWV FITTINGS, ASTM D2672. COPPER DRAIN PIPE AND FITTINGS SHALL BE JOINED USING 95-5 SILVER SOLDER, AND PVC PIPE AND FITTINGS SHALL BE JOINED USING SOLVENT CEMENT. PROVIDE TRAP WITH CLEANOUT AND UNIONS. SLOPE CONDENSATE DRAIN LINES A MINIMUM OF 1/8" PER FOOT AWAY FROM THE MECHANICAL EQUIPMENT.
 - MECHANICAL EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
 - OUTSIDE AIR FOR AIR CONDITIONING UNITS SHALL BE A MINIMUM OF 10 FEET FROM EXHAUST FANS, EXHAUST OPENINGS AND PLUMBING VENTS.
 - ALL DUCT DIMENSIONS SHOWN ARE INSIDE CLEAR DIMENSIONS.
 - ALL SUPPLY AND RETURN DUCTWORK SHALL BE CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA AND ASHRAE STANDARDS. DUCTWORK SHALL BE FABRICATED OF GALVANIZED STEEL FOR A PRESSURE RATING OF (1) 2" WG FOR RETURN AND (1) 2" WG FOR SUPPLY DUCTWORK. ALL EXHAUST DUCTWORK SHALL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH THE LATEST SMACNA AND ASHRAE STANDARDS. EXHAUST DUCTWORK SHALL BE FABRICATED OF GALVANIZED STEEL FOR A PRESSURE RATING OF 1" WG IN EXCESS OF THE SYSTEM FAN TOTAL STATIC PRESSURE RATING AT DESIGN FLOW RATE, UNLESS NOTED OTHERWISE.
 - SUPPORT DUCTWORK FROM BUILDING STRUCTURE IN ACCORDANCE WITH SMACNA STANDARDS.
 - RADIUS DUCTWORK ELBOWS SHALL HAVE A CENTERLINE RADIUS OF 1.5 TIMES THE DUCT WIDTH (OR DIAMETER) UNLESS NOTED OTHERWISE.
 - ALL MITERED ELBOWS (RECTANGULAR AND ROUND) SHALL HAVE DOUBLE THICKNESS TURNING VANES INSTALLED UNLESS NOTED OTHERWISE ON DRAWINGS.
 - SECURELY SEAL ALL JOINTS LONGITUDINAL AND TRANSVERSE SEAMS AND CONNECTIONS IN DUCTWORK USING WELDMENTS, MECHANICAL FASTENERS WITH SEALS OR GASKETS OR MASTICS, MESH AND MASTIC SEALING SYSTEMS OR TAPES. TAPES AND MASTICS MUST BE LISTED AND LABELED IN ACCORDANCE WITH UL181A OR UL181B.
 - DUCT CONNECTIONS TO FANS AND OTHER AIR DISTRIBUTION EQUIPMENT SHALL BE MADE USING MECHANICAL FASTENERS WITH SEALS, MASTICS OR GASKETS.
 - SUPPLY AIR AND RETURN AIR DUCTWORK SHALL BE INSULATED WITH A MINIMUM 2" THICK, 3/4 LB. PER CUBIC FOOT, FIBERGLASS DUCTWRAP, WITH FOIL FACED VAPOR BARRIER AND AN INSTALLED THERMAL RESISTANCE OF 8.0 (R VALUE). ALTERNATE INSULATION FOR RECTANGULAR SUPPLY AND RETURN DUCT SHALL BE AN INTERIOR DUCT LINING WITH A MINIMUM 1-1/2" THICK, 1.5 LB. PER CUBIC FOOT DUCT LINER. DUCT LINER SHALL CONTAIN AN ANTI-MICROBIAL AGENT WITHIN THE DUCT LINING ITSELF. MINIMUM "R" VALUE SHALL BE R-6.3. INCREASE DUCT SHEET METAL SIZE AS REQUIRED TO MEET INSIDE CLEAR DIMENSIONS GIVEN ON DRAWINGS.
 - ALL DUCT INSULATION SHALL MEET THE MINIMUM REQUIREMENTS OF U.L. 181 FOR FLAME SPREAD AND SMOKE DEVELOPMENT, AND SHALL BE U.L. LISTED.
 - TRANSFER DUCTS SHALL BE INTERNALLY LINED TO AID IN CANCELING NOISE TRANSFER.
 - EXHAUST DUCTWORK SHALL BE INSULATED UNLESS NOTED OTHERWISE.
 - EXPOSED DUCTWORK SHALL BE INTERNALLY LINED AND WHEN ROUND SHALL BE SPIRAL CONSTRUCTION. STANDING SEAM ROUND DUCT WORK SHALL NOT BE ALLOWED WHEN VISIBLE.
 - COORDINATE LOCATIONS OF GRILLES, REGISTERS AND DIFFUSERS WITH ARCHITECTURAL REFLECTED CEILING PLAN. LOCATIONS SHOWN ARE APPROXIMATE, ADJUST LOCATIONS IN THE FIELD AS REQUIRED BY CONSTRUCTION CONSTRAINTS.
 - PROVIDE EACH SUPPLY AIR OUTLET OR DIFFUSER WITH ITS OWN BALANCING DEVICE. DEVICES CAN BE LOCATED IN DUCTWORK OR SUPPLY AIR DEVICE ITSELF.
 - ALL MANUAL BALANCING DAMPERS SHALL HAVE A LOCKING QUADRANT.
 - FLEXIBLE DUCTWORK SHALL BE CLASSIFIED UNDER UL 181. PROVIDE A MINIMUM OF 3 FEET IN LENGTH AND A MAXIMUM OF 10 FEET IN LENGTH, SUPPORTED WITH 3" GALVANIZED SHEET METAL STRAPS AT 4 FEET CENTERS (MAX). FLEXIBLE DUCT RUNOUTS SHALL BE ROUND DUCTWORK REINFORCED WITH A WIRE HELIX AND INSULATED WITH 1-1/2" THICK FIBERGLASS (WITH A 8.0 "R" VALUE MINIMUM) COVERED WITH FLAMEPROOF VAPOR BARRIER OF ALUMINUM METALIZED POLYESTER FILM LAMINATED TO GLASS MESH. DUCT SHALL BE ATCO'S UPC #038 VALUFLEX CLASS 1 AIR DUCT OR EQUAL. CONNECTIONS TO DUCT MAINS SHALL BE MADE WITH FITTINGS PROVIDED WITH TWIST RINGS, BUTTERFLY DAMPERS, LOCKING HAND QUADRANTS, AND INSULATION GUARDS.
 - CONTRACTOR SHALL FURNISH, ROUTE, AND INSTALL CONTROL WIRING FOR ALL MECHANICAL SYSTEMS. FOR SYSTEMS WITH MULTIPLE COMPONENTS CONTRACTOR IS RESPONSIBLE FOR ALL WIRING BETWEEN COMPONENTS.
 - INSTALL THERMOSTATS AT 4'-0" A.F.F. UNLESS NOTED OTHERWISE. THERMOSTAT LOCATIONS SHALL BE COORDINATED WITH FINAL LOCATIONS OF WALL-MOUNTED ARCHITECTURAL AND ELECTRICAL EQUIPMENT. FINAL LOCATIONS MUST BE APPROVED BY THE ARCHITECT AND OWNER. THERMOSTATS SHALL NOT BE INSTALLED ON EXTERIOR WALLS IF INTERIOR WALLS ARE AVAILABLE WITHIN SPACE SERVED BY THERMOSTAT. SHOULD THE THERMOSTAT REQUIRE INSTALLATION ON AN EXTERIOR WALL AN INSULATED BACKING PLATE MUST BE PROVIDED TO PREVENT FALSE READINGS BY THE THERMOSTAT.
 - MECHANICAL CONTRACTOR SHALL PROVIDE A COMPLETE TEST AND BALANCE REPORT OF THE HVAC SYSTEMS PREPARED BY AN INDEPENDENT TEST AND BALANCE CONTRACTOR. A COPY OF THE TEST AND BALANCE REPORT SHALL BE TRANSMITTED TO THE LOCAL CODE OFFICIALS AS REQUIRED.
 - ALL PENETRATIONS THROUGH EXTERIOR WALLS & ROOF SHALL BE FLASHED & COUNTERFLASHED IN A WATERPROOF MANNER. (COLOR TO MATCH EXTERIOR).
 - CONTRACTOR SHALL VERIFY LOCATION OF ALL PENETRATIONS FOR RELIEF HOODS, OUTSIDE AIR HOODS, LOUVERS, AND WALL CAPS WITH ARCHITECT & OWNER PRIOR TO INSTALLATION.
 - PENETRATIONS OF RATED WALLS, PARTITIONS AND FLOORS OF NON-COMBUSTIBLE CONSTRUCTION SHALL BE FIRESTOPPED WITH NONCOMBUSTIBLE MATERIALS. PENETRATIONS OF NONRATED WALLS, PARTITIONS AND FLOOR OF COMBUSTIBLE CONSTRUCTION SHALL BE FIRESTOPPED WITH MATERIALS EQUIVALENT TO TWO INCHES OF WOOD. FIRESTOPPING SHALL COMPLY WITH ASTM E-814.
 - CONTRACTOR SHALL PREPARE ALL EXPOSED DUCT, GRILLES, PIPING, AND UNITS FOR PAINTING. GC WILL BE RESPONSIBLE FOR PAINTING.
 - AIR HANDLERS WITH AIRFLOWS GREATER THAN OR EQUAL TO 2000 CFM OR THAT SHARE A COMMON OUTSIDE AIR OR RETURN DUCT SHALL BE FURNISHED WITH SMOKE DETECTORS LOCATED IN THE RETURN SECTIONS FOR ALL UNITS.



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

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WWW.PROJECT #1821



05/24/2019

FOR CONSTRUCTION



201 S. ESTES DR.
SUITE 400A
CHAPEL HILL, NC
27514

REVISION		
no.	date	comment

DRAWN BY	MRM
CHECKED BY	BRD/MJS
ISSUE DATE	05.24.2019
PROJECT NUMBER	02-1828

MECHANICAL SCHEDULES, NOTES AND LEGEND

M0.1

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ELECTRICAL SPECIFICATIONS

PART 1: GENERAL

A. PROVIDE ALL WORK AND MATERIALS FOR THE INSTALLATION OF COMPLETE WIRING SYSTEMS AS SPECIFIED HEREIN AND INDICATED ON THE DRAWINGS.

B. ALL ELECTRICAL PERMITS AND INSPECTION FEES SHALL BE OBTAINED AND PAID FOR BY THE ELECTRICAL CONTRACTOR.

C. ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIALS FOR ONE YEAR EFFECTIVE THE DAY THE PROJECT IS ACCEPTED BY THE OWNER.

D. WORK SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE, OSHA, STATE BUILDING CODE AND ALL OTHER APPLICABLE LOCAL REQUIREMENTS. ALL WORK SHALL COMPLY WITH THE LATEST ADDITION OF NECA STANDARDS OF INSTALLATION.

E. ALL MATERIALS, DEVICES, AND APPLIANCES SHALL BE NEW, EXCEPT WHERE OTHERWISE NOTED, AND SHALL BE LISTED BY AN APPROVED TESTING AGENCY WHERE SUCH A LISTING IS AVAILABLE. FACTORY ASSEMBLED EQUIPMENT SHALL BE LISTED AND LABELED AS AN ASSEMBLY, ANY EQUIPMENT NOT LISTED SHALL HAVE PRIOR APPROVAL FROM THE LOCAL AUTHORITY HAVING JURISDICTION. ALL MATERIALS SHALL COMPLY WITH APPLICABLE ANSI, IEEE AND NEMA STANDARDS.

F. PROVIDE ALL CUTTING, PATCHING, CHANNELING AND CHASING FOR INSTALLATION OF WORK AND REPAIR ANY DAMAGE OF EXISTING OR NEW INSTALLATIONS AT THE CONTRACTORS EXPENSE.

G. SHOP DRAWINGS AND CATALOG DATA SHALL BE SUBMITTED FOR APPROVAL PRIOR TO BEGINNING WORK. SUBMIT FOUR COPIES OF SHOP DRAWINGS FOR LIGHTING FIXTURES, LAMPS, BALLASTS AND PANELBOARDS. SUBMIT FOUR COPIES OF CATALOG DATA FOR DISCONNECT SWITCHES AND WIRING DEVICES.

H. PROVIDE ENGRAVED PHENOLIC NAMEPLATES FOR PANELBOARDS, WIRING TROUGHS, AND FUSED SWITCHES, WHITE LETTERS ON BLACK FOR 120/208 VOLT SYSTEMS. LABEL ALL BREAKERS INSIDE THE PANEL NEXT TO THE BREAKER USING THE NUMBER SCHEMATIC INDICATED ON THE DRAWINGS.

I. AN ELECTRICAL INSPECTION CERTIFICATE SHALL BE ISSUED BY THE LOCAL INSPECTION AUTHORITIES BEFORE APPROVAL FOR FINAL PAYMENT.

J. THE CONDUIT AND NEUTRAL SYSTEM SHALL BE GROUNDED AT THE MAIN SERVICE EQUIPMENT. GROUNDING ELECTRODE SYSTEM SHALL BE INSTALLED PER N.E.C. ARTICLE 250 AND AS INDICATED ON THE DRAWINGS.

K. WIRING SHALL BE TESTED FOR CONTINUITY AND GROUNDS BEFORE BEING ENERGIZED. FAULTY WIRING SHALL BE REPLACED AT NO ADDITIONAL EXPENSE TO THE OWNER.

L. IF, DURING THE COURSE OF WORK, THE ELECTRICAL CONTRACTOR DISCOVERS A PROBLEM WITH THE PERFORMANCE OF THE INSTALLATION RELATIVE TO THE PLANS AND SPECIFICATIONS OR NEC OR OTHER CODES, THE CONTRACTOR SHALL IMMEDIATELY BRING THE PROBLEM TO THE ATTENTION OF THE ARCHITECT OR ENGINEER FOR RESOLUTION PRIOR TO THE EXECUTION OF THE WORK.

M. THE ELECTRICAL CONTRACTOR SHALL CONNECT ALL EQUIPMENT REQUIRING ELECTRICAL CONNECTIONS, UNLESS OTHERWISE NOTED, EXCEPT FOR CONTROL WIRING FOR EQUIPMENT NOT PROVIDED BY THE ELECTRICAL CONTRACTOR. CONTROL WIRING FOR SUCH EQUIPMENT SHALL BE PROVIDED BY THE RESPECTIVE DISCIPLINE.

N. COORDINATE LOCATION AND REQUIREMENTS FOR ELECTRICAL SERVICE WITH THE POWER COMPANY, WHERE MORE THAN ONE SERVICE IS SUPPLIED TO A BUILDING, PROVIDE IDENTIFICATION AT EACH SERVICE PER NEC 230-2(B) AND AS INDICATED ON THE DRAWINGS.

O. COORDINATE LOCATION AND REQUIREMENTS FOR TELEPHONE SERVICE WITH THE TELEPHONE COMPANY AND AS INDICATED ON THE DRAWINGS.

P. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AND PROVIDING TEMPORARY POWER.

PART 2: RACEWAY

A. CONDUIT SHALL BE ZINC-COATED EMT INDOORS. EMT FITTINGS SHALL BE STEEL SCREW. MINIMUM SIZE SHALL BE 1/2", UNLESS OTHERWISE NOTED. USE SCHEDULE 40 PVC OUTDOORS ABOVE 8'-0" OR BELOW GRADE. USE IMC WHERE REQUIRED BY CODE OR EXPOSED BELOW 8'-0".

B. SUPPORT ALL CONDUITS WITH STRAPS AND CLAMPS. RUN ALL CONDUIT PARALLEL OR PERPENDICULAR TO BUILDING WALLS.

C. JUNCTION AND PULL BOXES SHALL BE CODE GAUGE GALVANIZED SHEET METAL.

D. LIQUID-TIGHT FLEXIBLE METAL CONDUIT SHALL BE USED FOR EQUIPMENT CONNECTIONS, BUT NOT AS A WIRING METHOD OTHERWISE.

E. MC CABLE MAY BE USED AS A WIRING METHOD WHERE ALLOWED BY CODE.

F. RACEWAY PENETRATIONS THROUGH FLOOR SLABS AND FIRE-RATED WALLS SHALL BE FILLED WITH IMPERVIOUS, NON-SHRINK GROUT SUFFICIENTLY TIGHT TO PREVENT THE TRANSFER OF SMOKE, WATER, AND DUST. ROOF PENETRATIONS SHALL BE WITHIN THE EQUIPMENT CURB WHERE POSSIBLE.

G. CONDUIT INSTALLED UNDERGROUND OR IN CONCRETE SHALL HAVE JOINTS MADE WATER-TIGHT BY USE OF POLY-TETRA-FLUOROETHYLENE TAPE. APPROVED SEALS SHALL BE PROVIDED IN HAZARDOUS LOCATIONS AS REQUIRED BY THE N.E.C.

PART 3: CONDUCTORS

A. ALL CONDUCTORS SHALL BE SINGLE CONDUCTOR COPPER, THHN/THWN, SOLID FOR SIZES #14 THROUGH #10, THHN/THWN STRANDED FOR SIZES #8 AND LARGER.

B. BRANCH CIRCUITS SHALL NOT BE SMALLER THAN #12 AWG. CONTROL WIRING MAY BE #14 AWG.

C. CONDUCTORS SHALL BE COLOR CODED BLACK/RED/BLUE FOR 120/208 VOLT SYSTEMS FOR A, B, AND C PHASES, RESPECTIVELY.

D. WIRING TO LIGHTING FIXTURES SHALL BE AS REQUIRED BY UL LABEL.

E. ALL BRANCH CIRCUIT CONDUITS OR CABLE ASSEMBLIES SHALL CONTAIN AN INSULATED GREEN GROUNDING CONDUCTOR PER NEC 250-122.

F. ALL EQUIPMENT AND DEVICE TERMINATIONS SHALL BE UL LISTED FOR USE WITH 75°C INSULATED CONDUCTORS AT THEIR 75°C AMPACITY.

G. PROVIDE A SEPARATE NEUTRAL FOR EACH PHASE CONDUCTOR IN ALL BRANCH CIRCUITS.

PART 4: PANELBOARDS

A. PANELBOARDS SHALL BE DEAD-FRONT SAFETY TYPE. ALL CIRCUIT BREAKERS SHALL BE MOLDED-CASE, BOLT-ON, AUTOMATIC THERMAL MAGNETIC TYPE, CALIBRATED FOR 40°C, OR AMBIENT COMPENSATION. CABINET SHALL BE 20 INCHES WIDE MINIMUM, WITH NOT LESS THAN 4-INCH WIRING CUTTERS AT TOP, SIDES, AND BOTTOM, SQUARE D "NF", "NOD", OR EQUAL. BUS SHALL BE ALUMINUM WITH RATINGS AS INDICATED ON DRAWINGS. LUGS SHALL BE SIZED TO ACCOMMODATE CONDUCTORS INDICATED ON THE POWER RISER DIAGRAM.

B. PROVIDE HANDLE LOCK-ON DEVICES ON ALL CIRCUIT BREAKERS CONNECTED TO EMERGENCY, EXIT, AND NIGHT LIGHTING, FIRE ALARM, TELEPHONE AND SECURITY SYSTEMS.

C. CIRCUIT BREAKERS USED FOR SWITCHING OF LIGHTING OR SIGN CIRCUITS SHALL BE SWITCHING DUTY RATED AND SHALL BE MARKED "SWD".

PART 5: WIRING DEVICES

A. WIRING DEVICES SHALL BE WHITE WITH STAINLESS STEEL COVER PLATES. SPECIFICATION GRADE AS INDICATED BELOW, EQUAL TO THE COOPER QUALITY INDICATED. DEVICE COLORS SHALL BE COORDINATED WITH INTERIORS FOR ALL AREAS PRIOR TO INSTALLATION.

TOGGLE SWITCHES SHALL BE AS FOLLOWS:

SINGLE POLE 20 AMP THREE WAY 20 AMP	COOPER 1221 COOPER 1223
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DUPLEX RECEPTACLES SHALL HAVE A NYLON FACE AND SHALL BE AS FOLLOWS:

15 AMP DUPLEX 20 AMP DUPLEX 15 AMP DUPLEX-GFCI 20 AMP DUPLEX-GFCI	COOPER 5252 COOPER 5362 COOPER GF5262 COOPER GF5362
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B. DUPLEX RECEPTACLES ON DEDICATED CIRCUIT SHALL BE 20 AMP. OTHER DUPLEX RECEPTACLES MAY BE 15 AMP, UNLESS OTHERWISE NOTED.

C. OUTLET BOXES SHALL NOT BE MOUNTED BACK-TO-BACK.

D. A MAXIMUM OF 10 RECEPTACLES SHALL BE ON EACH BRANCH CIRCUIT.

E. WEATHERPROOF COVERS SHALL HAVE A LID SO THAT PLUGS MAY BE INSTALLED WITHOUT COMPROMISING THE WP FUNCTION, EQUAL TO INTERMATIC GUARDIAN ONE WWP1020C.

F. ALL OUTLETS (INCLUDING TELEPHONE, CABLE TV AND DATA) SHALL HAVE COVER PLATES, BLANK IF NOT USED.

PART 6: DISCONNECT SWITCHES

A. DISCONNECT SWITCHES SHALL BE HEAVY-DUTY TYPE IN NEMA 1 ENCLOSURES (UNLESS OTHERWISE INDICATED), FUSED OR NON-FUSED AS INDICATED. FUSED SWITCHES SHALL HAVE REJECTION TYPE FUSE CLIPS. SWITCHES SHALL BE SQUARE D, OR EQUAL. FUSES SHALL BE CLASS R-5, TIME DELAY. A SET OF 3 SPARE FUSES OF EACH SIZE AND TYPE SHALL BE FURNISHED TO THE OWNER.

PART 7: LIGHT FIXTURES

A. CATALOG NUMBERS GIVEN DENOTE MINIMUM QUALITY AND PERFORMANCE REQUIRED. EQUAL EQUIPMENT BY OTHER MANUFACTURERS IS ACCEPTABLE AS INDICATED ON THE LIGHT FIXTURE SCHEDULE.

B. LAY-IN FIXTURES SHALL BE SUSPENDED FROM STRUCTURE WITH 2 WIRES AT OPPOSITE CORNERS. DO NOT SUPPORT FROM CEILING GRID.

C. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES.

D. ALL RECESSED LIGHTING FIXTURES SHALL BE THERMALLY PROTECTED.

PART 8: LIGHTING CONTROLS

A. SEE LCP (LIGHTING CONTROL PANEL) SHEET E0.2. LCP SHALL MEET ALL REQUIREMENT OF CONTROL FOR TENANT UPFIT FOR 2018 NCECC.

B. LCP TIME CONTROLLER SHALL HAVE THE FOLLOWING:

- A MINIMUM 7-DAY CLOCK
- BE CAPABLE OF BEING SET FOR SEVEN DIFFERENT DAY TYPES PER WEEK
- INCORPORATES AN AUTOMATIC HOLIDAY "SHUTOFF" FEATURE, WHICH TURNS OFF ALL CONTROLLED LIGHTING LOADS FOR AT LEAST 24 HOURS AND THEN RESUMES NORMALLY SCHEDULED OPERATIONS

B.4. HAVE PROGRAM BACKUP CAPABILITIES, WHICH PREVENT THE LOSS OF PROGRAM AND TIME SETTINGS FOR AT LEAST 10 HOURS, IF POWER IS INTERRUPTED.

B.5. INCLUDE A OVERRIDE SWITCH THAT COMPLIES WITH THE FOLLOWING:

- B.5.1. SHALL BE A MANUAL CONTROL.
- B.5.2. WHEN INITIATED, SHALL PERMIT THE CONTROLLED LIGHTING TO REMAIN ON FOR NOT MORE THAN 15 MINUTES.
- B.5.3. ANY INDIVIDUAL OVERRIDE SHALL NOT CONTROL THE LIGHTING FOR AN AREA NOT LARGER THAN 5,000 SQUARE FEET.

C. LIGHTING CONTACTORS SHALL SWITCH A LOAD AT 120 VOLTS, 60 HZ AND SHALL HAVE THE NUMBER OF POLES INDICATED ON THE DRAWINGS. THE CONTACTOR SHALL BE CONTINUOUSLY RATED 20 AMPERES PER POLE FOR ALL TYPES OF BALLAST AND TUNGSTEN LIGHTING AND RESISTANCE LOADS.

D. ALL LIGHTING CONTACTORS SHALL BE ELECTRICALLY HELD AND HAVE A NEMA 1 ENCLOSURE UNLESS OTHERWISE NOTED.

PART 9: TELEPHONE/DATA SYSTEM

A. FURNISH AND INSTALL A COMPLETE TELEPHONE/DATA CONDUIT SYSTEM AS INDICATED ON THE DRAWINGS. ALL OUTLET BOXES FOR TELEPHONE AND/OR DATA JACKS SHALL BE DOUBLE GANG WITH A SINGLE-GANG OPENING.

B. PULL AND LEAVE IN EACH CONDUIT ONE PULL CORD FOR PULLING IN CABLE. ALL WIRING, OUTLETS AND EQUIPMENT SHALL BE PROVIDED AND INSTALLED BY THE OWNERS TELEDATA SUPPLIER.

C. TELEPHONE SERVICE CONDUITS SHALL BE PROVIDED TO THE PROPERTY LINE OR AS INDICATED ON THE DRAWINGS.

D. THE ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL A #8 AWG GREEN COPPER WIRE IN A 3/4" CONDUIT FROM THE NEAREST COLD WATER METAL MAIN TO A LUG AT THE TELEPHONE/DATA BACKBOARD.

PART 10: FIRE STOPPING

A. ALL PENETRATIONS OF NON-RATED PENETRATIONS SHALL BE SEALED WITH RATED MATERIALS MEETING ASTM E-814.

B. PROVIDE FIRE STOPPING DEVICE(S) OR SYSTEM(S) WHICH HAVE BEEN TESTED AND LISTED AS COMPLYING WITH ASTM E-814. INSTALL THE DEVICE(S) OR SYSTEM(S) IN ACCORDANCE WITH THE CONDITIONS OF THEIR LISTING. PROVIDE THE APPROPRIATE DEVICE(S) OR SYSTEM(S) WITH AN "F" RATING EQUAL TO THE RATING OF THE ASSEMBLY BEING PENETRATED.

C. DEVICE(S) AND/OR SYSTEM(S) SHALL BE BY HILTI, 3M OR EQUIVALENT.

D. WHERE OPENINGS FOR INSTALLATION OF ELECTRICAL BOXES EXCEEDS 16 SQUARE INCHES IN RATED WALLS OR PARTITIONS, THE OPENING SHALL BE PROTECTED AS REQUIRED BY THE APPROPRIATE WALL LISTING TYPE.

PART 11: RENOVATION OF EXISTING

A. EACH BIDDER SHALL VISIT THE PROJECT SITE PRIOR TO BID AND FAMILIARIZE HIMSELF WITH THE EXISTING CONDITIONS. FAILURE TO VISIT THE SITE SHALL NOT EXCUSE THE CONTRACTOR FROM PERFORMING THE REQUIRED WORK NOR SHALL IT BE AN ACCEPTABLE REASON FOR REQUESTING ADDITIONS TO THE CONTRACT.

B. EXISTING PORTIONS OF THE FACILITY SHALL REMAIN IN OPERATION DURING THIS RENOVATION AND/OR ADDITION. THE CONTRACTOR SHALL CAUSE AS LITTLE DISRUPTION AS POSSIBLE TO MAINTAIN THE COMFORT AND SAFETY OF THE BUILDING OCCUPANTS. ALL POWER OUTAGES SHALL BE CLOSELY COORDINATED WITH THE OWNER'S REPRESENTATIVE.

C. PROJECT INVOLVES WORK ON EXISTING ELECTRICAL PANELS AND FEEDERS REQUIRED IN OPERATING THE FACILITY. TEMPORARY POWER ARRANGEMENTS SHALL BE MADE TO SERVE THOSE AREAS AFFECTED BY THIS PROJECT.

ELECTRICAL SYMBOLS SCHEDULE

— CONDUIT AND/OR WIRING SYSTEM CONCEALED IN CONSTRUCTION IN FINISHED AREAS, EXPOSED IN UNFINISHED AREAS.

- - - CONDUIT AND/OR WIRING SYSTEM CONCEALED BELOW FLOOR OR FLOOR SLAB.

— BREAK IN CONDUIT, SEE PLAN FOR CONTINUATION.

— NON-RIGID RACEWAY SYSTEM

— BRANCH CIRCUIT HOMERUN TO PANEL.

— JUNCTION BOX SIZED PER NEC.

S SINGLE POLE SWITCH, 20 AMP, 120/277 VOLT, COOPER 1221, OR EQUAL.

S₃ THREE WAY SWITCH, 20 AMP, 120/277 VOLT, COOPER 1223, OR EQUAL.

S_{1/2} FRACTIONAL HORSEPOWER MANUAL MOTOR STARTER WITH O.L.S.

— DUPLEX RECEPTACLE, 15 AMP, 120 VOLT (USE 20 AMP FOR SINGLE RECEPTACLE ON A CIRCUIT), MOUNT 18" A.F.F., U.O.N., COOPER 5252 OR EQUAL.

— DUPLEX RECEPTACLE MOUNTED ABOVE COUNTER BACKSPLASH, OR AT 48" A.F.F. U.O.N., COOPER 5252 OR EQUAL.

— DOUBLE DUPLEX RECEPTACLE MOUNT AT 18" A.F.F., TWO NEMA 5-15R DUPLEX RECEPTACLES IN A COMMON BOX AND COVER PLATE.

— GROUND FAULT CIRCUIT INTERRUPTER RECEPTACLE, NEMA 5-20R DUPLEX, ALL RECEPTACLES INSTALLED OUTSIDE, WITHIN 6" OF A SINK OR IN A KITCHEN SHALL BE GFCI.

— WEATHERPROOF RECEPTACLE, NEMA 5-15R DUPLEX, COVER SHALL BE COOPER #1991 WHERE MOUNTED HORIZONTAL AND #4966 WHERE MOUNTED VERTICAL.

— TELEVISION OUTLET, DOUBLE GANG BOX WITH PROVISIONS AS INDICATED IN DETAIL 5/E.1. CABLING BY CONTRACTOR.

— THE CONTRACTOR SHALL PROVIDE ACCESSIBLE JUNCTION BOXES FOR LED NEON COLORED ACCENT LIGHTING, 75VA ASSUMED FOR EACH NEON, VERIFY ALL NEON CONNECTIONS TO BE PROVIDED IN ALL AREAS PRIOR TO PROJECT START UP. ALL NEON LIGHTING SHALL BE DIMMABLE.

— ROUND RECESSED OR SURFACE MOUNTED LIGHT FIXTURE. LETTER INDICATES FIXTURE TYPE. SEE LIGHT FIXTURE SCHEDULE. INDEPENDENTLY SUPPORT FIXTURE TO STRUCTURE UNLESS SURFACE MOUNTED TO A STRUCTURAL CEILING.

— WALL MOUNTED ROUND LIGHT FIXTURE. LETTER INDICATES TYPE. SEE LIGHT FIXTURE SCHEDULE.

— FIXTURE WITH INTEGRAL 600 LUMEN BATTERY INVERTER AND/OR ON EMERGENCY LIGHTING CIRCUIT. LETTER INDICATES TYPE. SEE LIGHT FIXTURE SCHEDULE FOR TYPE AND FOR BATTERY REQUIREMENT. SUPPORT FIXTURES IN SAME MANNER AS LISTED ABOVE.

— FUSED DISCONNECT SWITCH, SIZE AS INDICATED ON DRAWINGS, FUSE PER NAMEPLATE DATA OR AS INDICATED, NEMA 1 ENCLOSURE U.O.N.

— LIGHTING AND/OR POWER PANEL BOARD, SURFACE MOUNTED WITH REQUIRED CODE CLEARANCE. SEE PANEL SCHEDULE FOR AMPERAGE.

— DISTRIBUTION PANEL BOARD, SURFACE MOUNTED WITH REQUIRED CODE CLEARANCE. SEE PANEL SCHEDULE FOR AMPERAGE.

— PLYWOOD TELEPHONE OR DATA BACKBOARD. SIZE AS INDICATED ON THE RESPECTIVE RISER DIAGRAM.

— WALL MOUNTED UTILITY METER.

ABBREVIATIONS

A	AMPERE
AFF	ABOVE FINISHED FLOOR
ASW	ABOVE SHOW WINDOW
C	CONDUIT
CKT	CIRCUIT
FLA	FULL LOAD AMPS
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
G	GROUND
KVA	KILOVOLT AMPERE
KW	KILOWATT
MLO	MAIN LUGS ONLY
N/A	NOT APPLICABLE
NEC	NATIONAL ELECTRIC CODE
#	NUMBER
NTS	NOT TO SCALE
P	POLE
Ø	PHASE
PANELBOARD	PANELBOARD
SW	SWITCH
TELEPHONE/DATA	TELEPHONE/DATA
TYP	TYPICAL
UG	UNDERGROUND
V	VOLT
UON	UNLESS OTHERWISE NOTED
WP	WEATHERPROOF
3R	NEMA 3R ENCLOSURE

NOTES:

- SEE DEVICE MOUNTING ELEVATION FOR MOUNTING HEIGHTS.
- SEE SPECIFICATIONS FOR DEVICE COLOR AND COVER PLATE STYLE.

GENERAL NOTES

A. ELECTRICAL CONTRACTOR SHALL REVIEW ENTIRE SET OF CONTRACT DOCUMENTS INCLUDING BUT NOT NECESSARILY LIMITED TO ALL ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, PLUMBING AND ENTIRE PROJECT MANUAL. ELECTRICAL CONTRACTOR SHALL ACKNOWLEDGE AND INCLUDE IN THE SCOPE OF WORK (CONTRACT) ALL CONDITIONS PERTINENT TO THE COMPLETION OF THE ELECTRICAL WORK. ELECTRICAL CONTRACTOR SHALL FULLY COORDINATE ELECTRICAL WORK WITH THE INSTALLATION OF WORK BY ALL OTHER TRADES AND MAKE NECESSARY FIELD ADJUSTMENTS AS REQUIRED TO ACCOMMODATE THE ELECTRICAL INSTALLATION. ALL OF THE ABOVE SHALL BE INCLUDED IN THE SCOPE OF WORK AT NO ADDITIONAL COST TO THE OWNER.

B. VERIFY ALL REQUIREMENTS AND COORDINATE EXACT LOCATION OF INCOMING ELECTRICAL SERVICE WITH LOCAL POWER COMPANY PRIOR TO PROJECT START-UP. NOTIFY ENGINEER OF ANY CHANGES AS MAY BE REQUIRED.

C. ENGRAVED, LAMINATED PLASTIC IDENTIFICATION PLATES SHALL BE FURNISHED AND INSTALLED ON ALL PANELS AND SWITCHGEAR. PLATES SHALL BE AFFIXED TO FRONT PANELS, INDICATING PANEL NAME, VOLTAGE AND AMPERAGE. PROVIDE UPDATED PANEL DIRECTORIES FOR ALL PANELS.

D. THE ELECTRICAL CONTRACTOR SHALL CAREFULLY EXAMINE THE DRAWINGS AND SPECIFICATIONS, VISIT THE SITE OF THE WORK, AND FULLY INFORM HIMSELF AS TO ALL CONDITIONS AND MATTERS THAT CAN, IN ANY WAY AFFECT THE WORK OR THE COST THEREOF. SHOULD THE CONTRACTOR FIND DISCREPANCIES IN, OR OMISSIONS FROM, THE DRAWINGS, SPECIFICATIONS OR OTHER DOCUMENTS OR BE IN DOUBT AS TO THEIR MEANING, NOTIFY THE ARCHITECT/ENGINEER AT ONCE. IN WRITING, OF ANY DISCREPANCIES BETWEEN EXISTING CONDITIONS AND NEW WORK, OR BETWEEN ELECTRICAL WORK AND THE WORK OF OTHER TRADES PRIOR AND OBTAIN CLARIFICATION PRIOR TO SUBMITTING ANY BID. LACK OF SUCH NOTIFICATION SHALL BE CONSTRUED TO INDICATE NO DISCREPANCIES OR CONFLICTS EXIST. ADDITIONAL COMPENSATION WILL NOT BE GRANTED AFTER AWARD OF CONTRACT FOR ANY WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS.

E. SHARED NEUTRALS ARE NOT ALLOWED. EACH CIRCUIT SHALL HAVE ITS OWN INDEPENDENT NEUTRAL. EACH CONDUIT RUN SHALL CONTAIN A GROUND WIRE. CONDUIT IS NOT AN ACCEPTABLE GROUND PATH.

F. TO G.C. AND ALL SUBCONTRACTORS: NO PRICING SHOULD BE DONE FROM A PARTIAL SET AND NO CHANGE ORDER WILL BE ALLOWED FOR PRICING BASED ONLY ON A PARTIAL SET OF REVIEW OF A SINGLE TRADE'S DRAWING. ALL TRADES SHOULD CROSS REFERENCE ARCHITECTURAL SHEETS AND ALL OTHER TRADES FOR ADDITIONAL INFORMATION, CLARIFICATIONS AND COORDINATION REQUIRED. TYP. RELATED TO PRICING RELATED TO ANY CONTRADICTIONS THAT MAY BE FOUND IN THE DOCUMENT SET. BIDDERS SHOULD INCLUDE THE MOST RESTRICTIVE (I.E. MOST EXPENSIVE) AS PART OF THE BID. ALL BIDS AND PRICING IN THEIR ENTIRETY SHALL BE BASED SOLELY ON THE FULL AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ISSUED FOR THIS SPECIFIC PROJECT. TYP. NO CHANGE ORDER OR MODIFICATION TO THE CONTRACT DOCUMENTS SHALL BE MADE OR CONSIDERED BASED ON G.C. OR SUBCONTRACTOR ASSUMPTIONS BASED ON REVIEW OF A PARTIAL SET OR PAST PROJECT COMPARISONS. TYP.

G. CONTRACTOR IS RESPONSIBLE FOR ISSUES THAT ARISE IN THE FIELD DUE TO THE SELECTION OF ALTERNATE EQUIPMENT TO WHAT IS SPECIFIED WITHIN THIS SET OF DRAWINGS, THIS INCLUDES, BUT IS NOT LIMITED TO: DEMAND OVERLOADS, INSUFFICIENT SPACE ALLOCATIONS, AND EQUIPMENT FAILURES.

ELECTRICAL DEMOLITION NOTES

A. THE EXTENT OF THE ELECTRICAL DEMOLITION WORK IS INDICATED HEREIN.

B. PARTIAL AND TOTAL DEMOLITION OF PORTIONS SHALL BE PERFORMED ALONG WITH ALL NECESSARY MODIFICATIONS TO THAT PORTION OF THE EXISTING BUILDING WHICH SHALL REMAIN SO THAT IT CONTINUES TO FUNCTION UNAFFECTED BY THE DEMOLITION AND ASSOCIATED NEW CONSTRUCTION.

C. THE DRAWINGS INDICATE THE GENERAL AREAS OF WORK INVOLVED. HOWEVER, THE CONTRACTOR SHALL PERFORM WORK OUTSIDE THOSE AREAS SHOWN AS IS NECESSARY TO COMPLY WITH THE INTENT OF THIS SECTION.

D. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE EXISTING BUILDING AND WITH THE WORK OF ALL OTHER TRADES AND INCLUDE ALL WORK NECESSARY TO COMPLY WITH THE INTENT OF THE DEMOLITION.

E. IT SHALL BE UNDERSTOOD THAT FIELD CONDITIONS MAY BE ENCOUNTERED DURING THE EXECUTION OF THIS CONTRACT WHICH WILL REQUIRE EXTENSION OR RELOCATION OF EXISTING SYSTEMS OR EQUIPMENT WHICH ARE NOT SPECIFICALLY SHOWN ON THE DRAWINGS BUT WHICH ARE REQUIRED TO MEET THE STATED INTENT THAT THE BUILDING CONTINUE TO FUNCTION UNAFFECTED BY THE DEMOLITION AND ASSOCIATED NEW CONSTRUCTION. THIS CONTRACT SHALL INCLUDE SUCH WORK AS WOULD NORMALLY BE EXPECTED IN AN EXISTING BUILDING OF THIS AGE AND TYPE.

F. THE ELECTRICAL CONTRACTOR SHALL PROVIDE ALL TOOLS, EQUIPMENT, LABOR, ETC. IN ORDER TO ACCOMPLISH THE DEMOLITION PORTION OF THE CONTRACT DRAWINGS.

G. THE DEMOLITION OF CERTAIN AREAS OF THE EXISTING BUILDING SHALL BE PERFORMED BY THE GENERAL CONTRACTOR.

H. THE ELECTRICAL CONTRACTOR SHALL INCLUDE COORDINATION WITH THE GENERAL CONTRACTOR AND SUCH DEMOLITION OF THE EXISTING ELECTRICAL SYSTEMS AS IS NECESSARY SO THAT THE DEMOLITION WORK OF THE GENERAL CONTRACTOR SHALL NOT DAMAGE THOSE PORTIONS OF THE ELECTRICAL SYSTEMS WHICH ARE TO REMAIN IN SERVICE, ARE TO BE REUSED, OR ARE TO BECOME THE PROPERTY OF THE OWNER.

I. TURN OVER TO OWNER, UPON REQUEST, ITEMS SHOWN AS BEING REMOVED AND NOT REINSTALLED.

J. EQUIPMENT OR MATERIALS WHICH ARE TO BE REUSED OR TURNED OVER TO THE OWNER SHALL BE CAREFULLY REMOVED, CLEANED, AND STORED IN A CLEAN, DRY AREA. SHOULD THE CONTRACTOR ENCOUNTER SUCH EQUIPMENT WHICH IS NOT IN SATISFACTORY CONDITION FOR REUSE AND NOT IN WORKING ORDER, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY.

K. DISCONNECT ELECTRICAL SERVICES TO ALL EQUIPMENT REQUIRING REMOVAL. CONDUIT SHALL BE REMOVED BACK TO AN INACCESSIBLE LOCATION WIRE AND CABLE SHALL BE REMOVED TO THE POINT OF ORIGIN.

L. REMOVE AND REINSTALL CEILINGS IN EXISTING BUILDING AS REQUIRED FOR THE WORK. COORDINATE WITH THE GENERAL CONTRACTOR. IN SUCH AREAS, REMOVE AND REINSTALL ALL ELECTRICAL DEVICES WHICH ARE TO REMAIN IN OR ON THE CEILING.

M. WHERE NEW CEILINGS CONFLICT WITH EXISTING ELECTRICAL WORK WHICH IS TO REMAIN, RELOCATE THE ELECTRICAL WORK INVOLVED TO CLEAR THE NEW CONSTRUCTION.

N. WHERE NEW WALL OR FLOOR FINISHES CONFLICT WITH EXISTING ELECTRICAL WORK WHICH IS TO REMAIN, RELOCATE THE ELECTRICAL WORK INVOLVED OR PROVIDE BOX EXTENSIONS OR SIMILAR DEVICES AND REINSTALL ON THE NEW FINISH.

O. WHERE EXISTING BRANCH CIRCUITS AND SYSTEMS ARE INTERRUPTED BY DEMOLITION NEW WORK, OR NEW MECHANICAL DUCTWORK, EXTEND AND RECONNECT THOSE CIRCUITS AND SYSTEMS, WHERE THOSE CIRCUITS OR SYSTEMS MUST REMAIN IN SERVICE DURING THE EXECUTION OF THIS CONTRACT. PROVIDE TEMPORARY CONNECTIONS UNTIL FINAL CONNECTIONS ARE COMPLETE.

NORTH CAROLINA ENERGY CODE

APPENDIX B (NORTH CAROLINA 2018 ENERGY CONSERVATION CODE) ELECTRICAL SUMMARY

METHOD OF COMPLIANCE: PRESCRIPTIVE PERFORMANCE ENERGY COST BUDGET

LIGHTING SCHEDULE

LAMP TYPE REQUIRED IN FIXTURE: _____

NUMBER OF LAMPS IN FIXTURE: _____

BALLAST TYPE USED IN THE FIXTURE: _____

NUMBER OF BALLASTS IN FIXTURE: _____

TOTAL WATTAGE PER FIXTURE: _____

TOTAL INTERIOR WATTAGE SPECIFIED VS ALLOWED: _____ N/A PERMITTED SEPARATELY

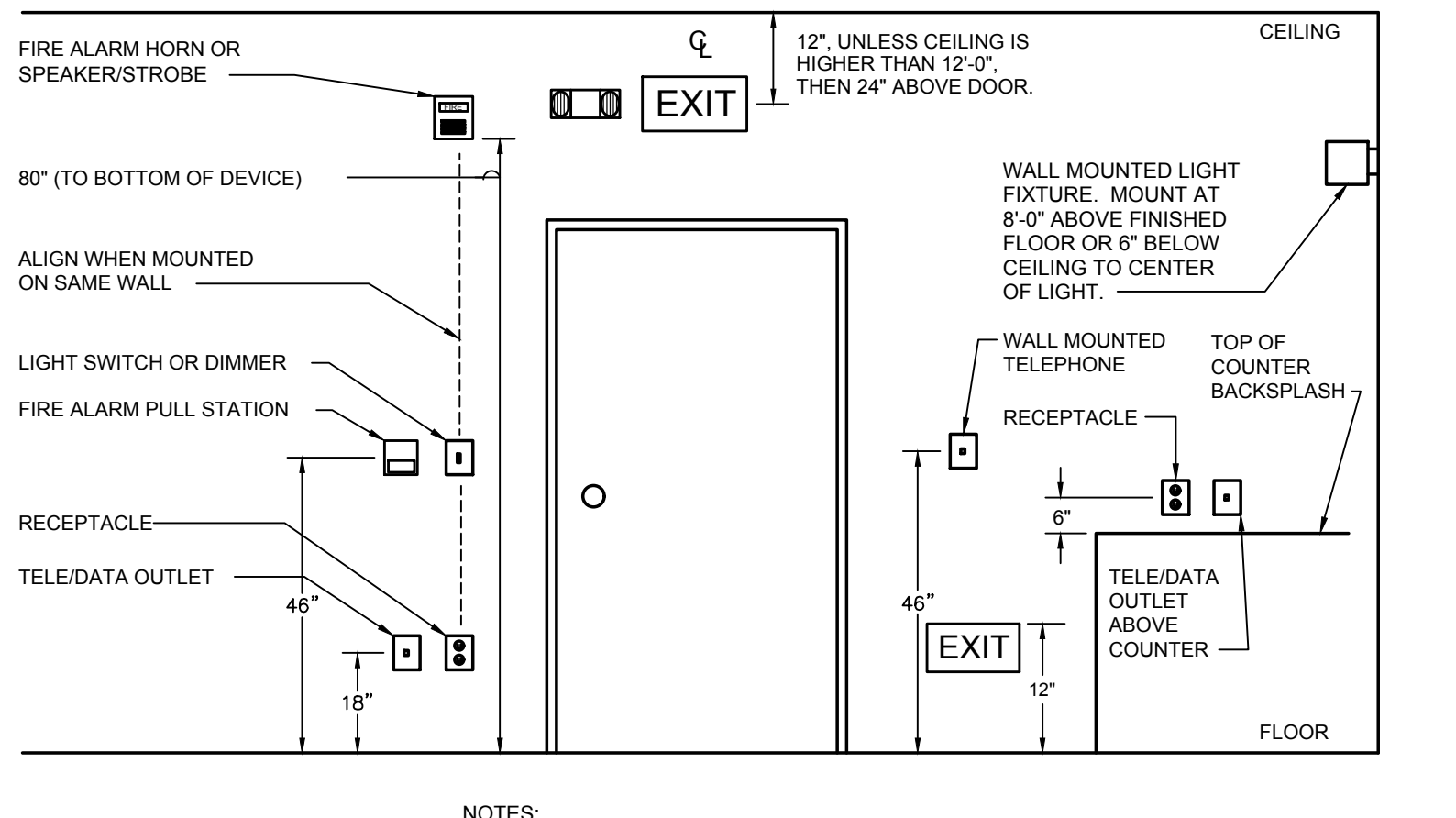
EXTERIOR WATTAGE SPECIFIED VS ALLOWED: _____ 877.5 WATTS VS. 1105 WATTS

SECTION C401.2 SHALL BE ACHIEVED BY ONE OF THE BELOW:

- a. C406.2 MORE EFFICIENT HVAC EQUIPMENT
- b. C406.3 REDUCED LIGHTING POWER DENSITY
- c. C406.4 ENHANCED DIGITAL LIGHTING CONTROL SYSTEM
- d. C406.5 ON-SITE SUPPLY OF RENEWABLE ENERGY
- e. C406.6 DEDICATED OUTDOOR AIR SYSTEM
- f. C406.7 REDUCED ENERGY USE IN SERVICE WATER HEATING

EQUIPMENT SCHEDULES WITH MOTORS (NOT USED FOR MECHANICAL SYSTEMS)

NUMBER OF PHASES	N/A
MINIMUM EFFICIENCY	N/A
MOTOR TYPE	N/A
NUMBER OF POLES	N/A



NOTES:

- ALL DIMENSIONS ARE TO CENTER LINE OF DEVICE, UNLESS OTHERWISE NOTED.

DEVICE MOUNTING ELEVATION

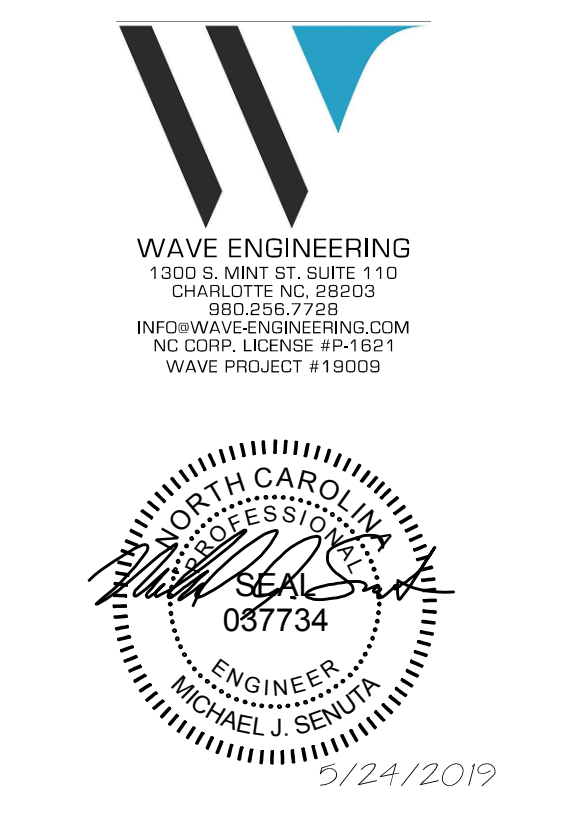
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LIGHT FIXTURE SCHEDULE

TYPE	MANUFACTURER	CATALOG #	LUMENS/LAMPS	DRIVER/BALLASTS	WATTS	VOLTAGE	DESCRIPTION
X	PRESCOLITE	RLF SERIES	1500 LUMEN, LED 2700K	0-10V DIMMING DRIVER	14.5W	120V	UL LISTED LED RETROFIT DOWN LIGHT. COORDINATE WITH EXISTING CONDITIONS PRIOR TO ANY PRICING/QUOTE. MUST BE COORDINATED WITH DIMMING PROTOCOL AND EXISTING CONDITIONS. RECONNECT TO NEW CIRCUIT AS INDICATED.
Y	FEISS	OL1160030R-LED	1-10W LED 2700K	ELV DIMMING	10W	120V	UL LISTED LED WALL SCONCE. ADA COMPLIANT. COORDINATE MOUNTING WITH ARCHITECTURAL ELEVATIONS PRIOR TO ANY ROUGH IN WORK.
Z	AMERICAN LIGHTING	PAVILION LIGHT STRING	1-10W LED RETRO PER 24", 2700K	PHASE DIMMING	10W MAX	120V	STRING LIGHTING, 24" SPACING. COORDINATE OPTIONS WITH INTERIOR DESIGNER AND INSTALLATION INSTRUCTIONS PRIOR TO ROUGH-IN WORK.
	LITHONIA WALE COMPASS	AFN SERIES MARKLED SERIES CUWZ SERIES	TWO LAMPS INCLUDED		10W	120V	EXTERIOR EMERGENCY LIGHT WITH BATTERY BACKUP, TWO LAMPS AND UL WET LABEL, VERIFY FINISH. 90 MINUTE EMERGENCY BATTERY BACKUP (VERIFY COLOR WITH ARCH/INTERIORS)

FIXTURE NOTES:

- SUBSTITUTIONS MUST BE EQUAL IN CONSTRUCTION, FINISH, ENERGY USAGE AND PHOTOMETRY. ALL SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER, WITH CUTSHEETS AND PHOTOMETRY. THE ENGINEER MUST RECEIVE THESE WITH TIME ALLOWED TO REVIEW AND ISSUE A WRITTEN APPROVAL BACK TO THE SUBMITTING PARTY TEN (10) DAYS PRIOR TO BID. SUBSTITUTE FIXTURES SHALL BE LISTED SEPARATELY AND UNIT PRICED AT TIME OF BID, SO THAT THE ENGINEER AND OWNER CAN MAKE AN INFORMED DECISION. NO SUBSTITUTIONS WILL BE CONSIDERED AFTER THE 10 DAY PRIOR BID PROCESS ENDS.
- SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT FIXTURE LOCATIONS.
- ALIGN ALL HORIZONTAL LUMINAIRES SO THAT THE LIGHT SOURCES ARE ALIGNED IN THE SAME DIRECTION.
- SUSPEND TWO OPPOSITE CORNERS WITH WIRE TO STRUCTURE. DO NOT ALLOW GRID ALONE TO SUPPORT FIXTURE.
- WHERE FIXTURE IS INDICATED AS EMERGENCY PROVIDE AN 1100 LUMEN INVERTER BATTERY PACK AND CONNECT AS INDICATED ON DETAIL THIS SHEET.
- FIXTURE FLANGES AND TRIMS SHALL MATCH CEILING TYPES.



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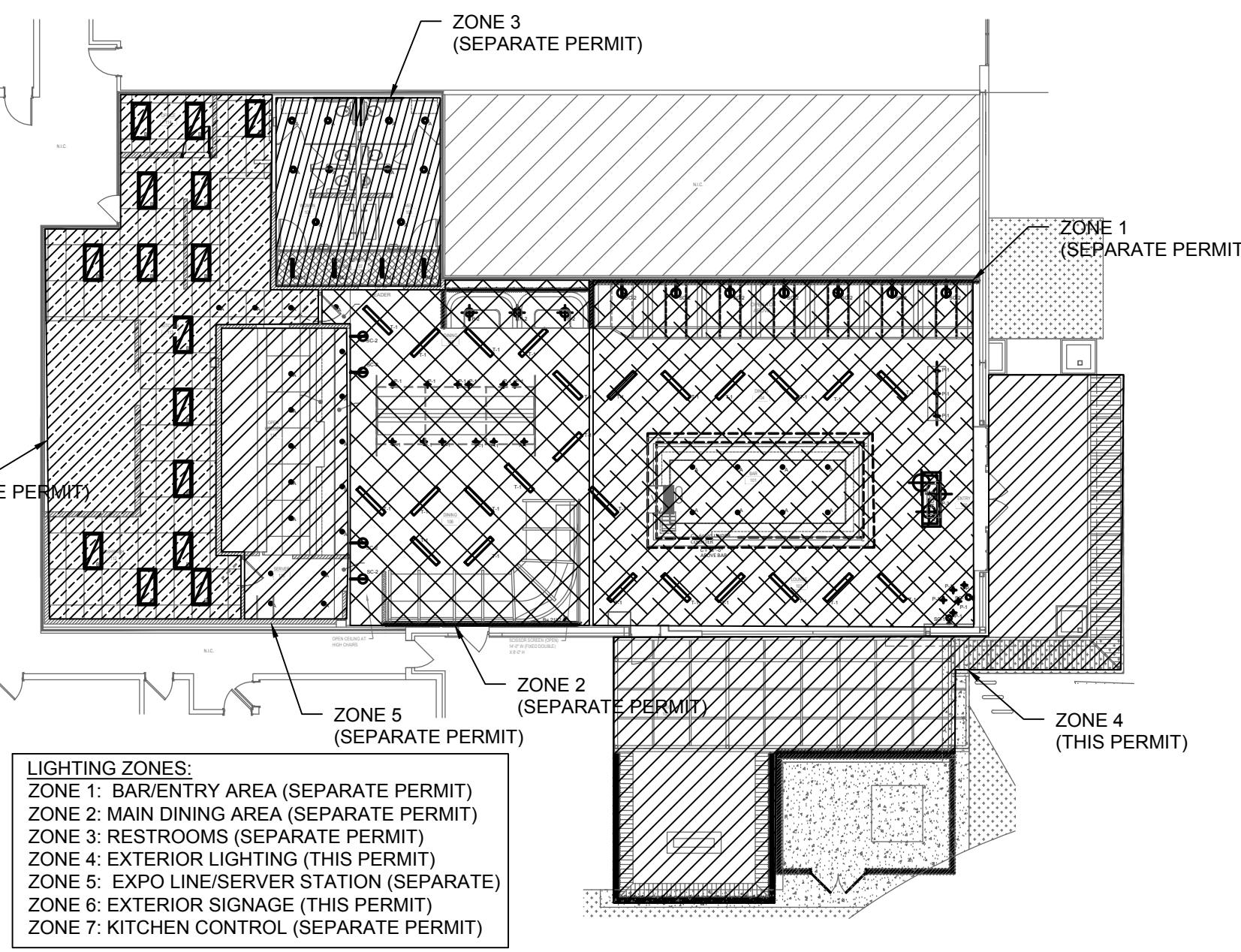
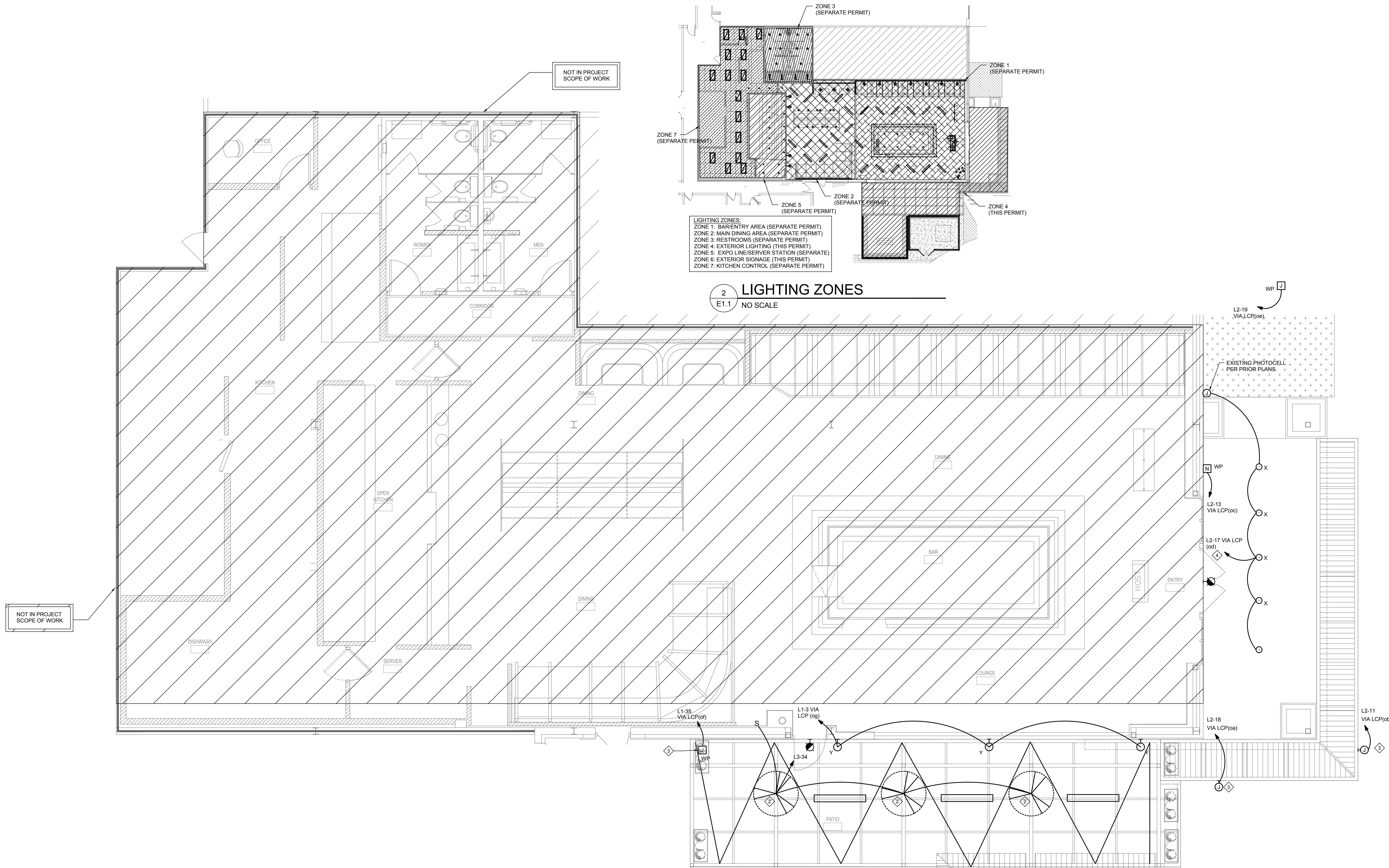
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PROJECT NUMBER: 02-1828

ELECTRICAL SYMBOLS & SPECIFICATIONS

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LIGHTING ZONES:
 ZONE 1: BAR/ENTRY AREA (SEPARATE PERMIT)
 ZONE 2: MAIN DINING AREA (SEPARATE PERMIT)
 ZONE 3: RESTROOMS (SEPARATE PERMIT)
 ZONE 4: EXTERIOR LIGHTING (THIS PERMIT)
 ZONE 5: EXPO LINE/SERVER STATION (SEPARATE)
 ZONE 6: EXTERIOR SIGNAGE (THIS PERMIT)
 ZONE 7: KITCHEN CONTROL (SEPARATE PERMIT)

2 LIGHTING ZONES
 E1.1 NO SCALE

1 LIGHTING PLAN
 E1.1 SCALE: 1/4" = 1'-0"

GENERAL NOTES THIS SHEET

- ALL EMERGENCY/EGRESS FIXTURES SHALL BE CONNECTED TO LOCAL CIRCUIT SERVING RESPECTIVE AREA AND AHEAD OF ALL CONTROLS.
- THE ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING 0-10V CONDUCTORS FROM DIMMER SWITCHES TO ALL 0-10V LIGHTING AS REQUIRED.
- ALL LIGHTS LOCATED WITHIN WORK AREAS SHALL BE EQUIPPED WITH INDIVIDUAL SHIELDS OR SHATTERPROOF LAMPS AS REQUIRED BY 15A NCAC 18A-2630.
- LIGHT FIXTURES SELECTED BY OTHER SHALL MEET THE REQUIRED 50 FOOTCANDLE REQUIREMENTS IN THE KITCHEN, STORAGE, AND WALK-IN COOLER AREAS.
- BRING ALL RECEPTACLES INSTALLED IN FURNITURE TO THE FACE OF SAID FURNITURE.
- ITEMS SHOW AS DASHED OR MARKED 'EX' ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
- ALL CONNECTIONS SHALL BE COORDINATED WITH OTHER TRADES, FIELD LOCATIONS AND SHOP DRAWINGS PRIOR TO ANY ROUGH-IN WORK.
- CONTRACTOR IS RESPONSIBLE FOR ISSUES THAT ARISE IN THE FIELD DUE TO THE SELECTION OF ALTERNATE EQUIPMENT TO WHAT IS SPECIFIED WITHIN THIS SET OF DRAWINGS. THIS INCLUDES, BUT IS NOT LIMITED TO, DEMAND OVERLOADS, INSUFFICIENT SPACE ALLOCATIONS, AND EQUIPMENT FAILURES.
- SEPARATE NEUTRAL CONDUCTORS SHALL BE PROVIDED FOR EACH SWITCH LEG CONNECTED TO LIGHTING CONTROL PANEL.

KEYED NOTES THIS SHEET

- THE CONTRACTOR SHALL PROVIDE CONNECTION FOR NEW TENANT SIGN AS REQUIRED FOR OPERATION AND CONNECT TO LIGHTING CONTROL PANEL.
- CONTRACTOR TO PROVIDE CONNECTION AND CONTROL FOR BIG ASS FAN HAIKU-62", 120V, 1PH, 21.7WATTS EACH.
- ALLOCATED 115'-0" OF TYPE 'Z' LIGHT FIXTURE ON 24" CENTER. MAX WATTAGE OF 1440.0 NOT TO BE EXCEEDED. COORDINATE WITH LCP VENDOR PRIOR TO ORDERING.
- REWIRE TO NEW CIRCUIT AS INDICATED.

EXTERIOR EMERGENCY LIGHTS

- ALL EXTERIOR EMERGENCY LIGHTS, BOTH EXIT & EGRESS SHALL BE COORDINATED WITH INTERIOR DESIGNER PRIOR TO ORDER. THIS SHALL INCLUDE COLOR AND POSITION FOR EVERY EMERGENCY LIGHT.

LIGHTING CONTROL NOTES:

- EACH SWITCH LEG TO HAVE DEDICATED NEUTRAL.
- EACH DIFFERENT FIXTURE TYPE SHALL HAVE ON SWITCH LEG.
- LIGHTING SWITCH LEGS SHALL ONLY HAVE CONNECTED THE RESPECTIVE FIXTURE IN WHICH IS BEING CONTROLLED.
- CONTACT XTREME INSTALLATIONS FOR LIGHTING CONTROLS: 407-878-2052.
- ALL 0-10V AND LOW VOLTAGE CONDUCTORS BY THE ELECTRICAL CONTRACTOR.
- PROVIDE MULTIPLE 0-10V CONDUCTORS FOR TUNABLE WHITE FIXTURES.
- NO ALIKE OR SIMILAR FIXTURES IN DIFFERENT ZONES SHALL BE ON SAME SWITCH LEG.



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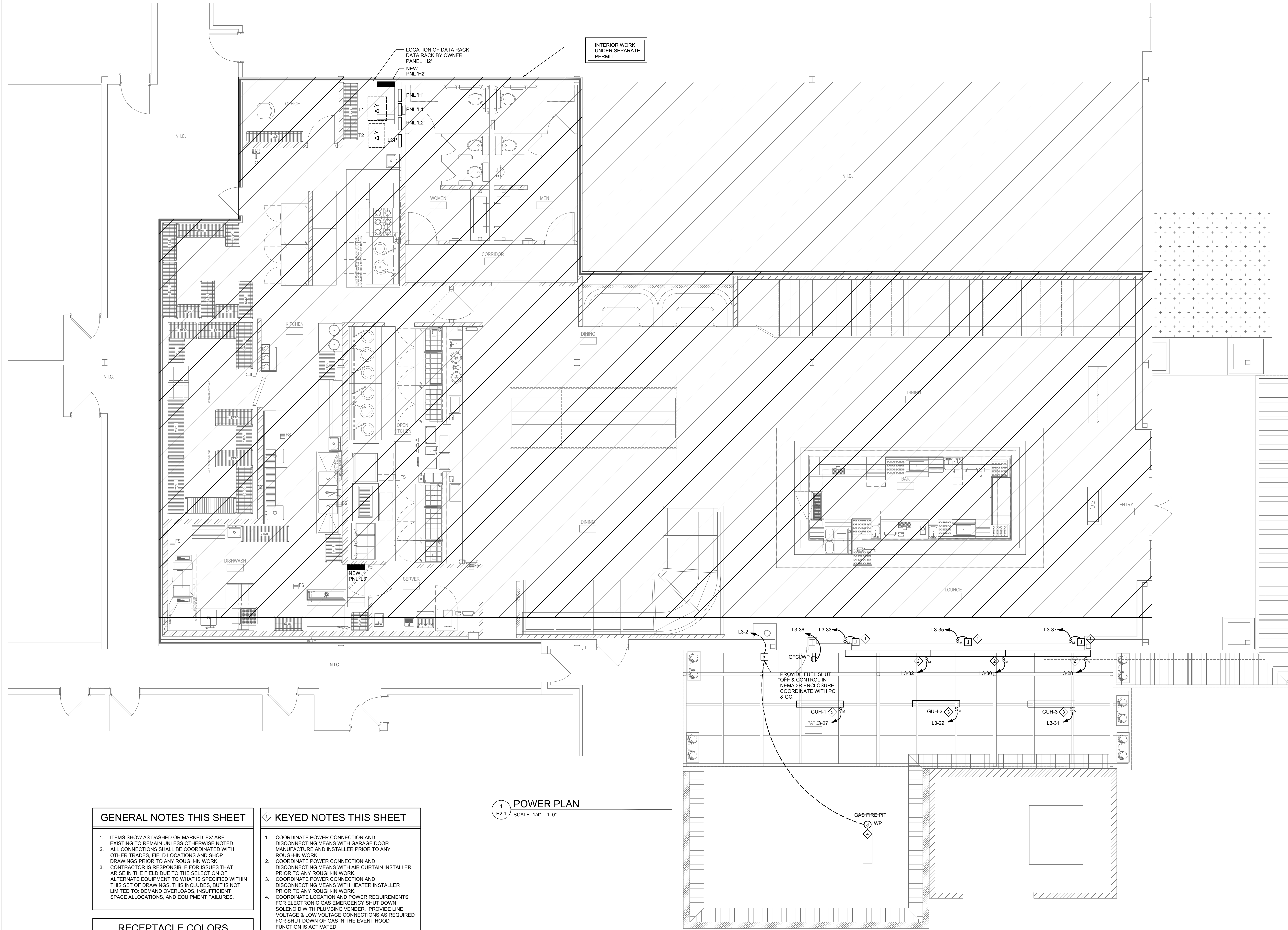
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LIGHTING PLAN

E1.1

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

GENERAL NOTES THIS SHEET

1. ITEMS SHOW AS DASHED OR MARKED 'EX' ARE EXISTING TO REMAIN UNLESS OTHERWISE NOTED.
2. ALL CONNECTIONS SHALL BE COORDINATED WITH OTHER TRADES, FIELD LOCATIONS AND SHOP DRAWINGS PRIOR TO ANY ROUGH-IN WORK.
3. CONTRACTOR IS RESPONSIBLE FOR ISSUES THAT ARISE IN THE FIELD DUE TO THE SELECTION OF ALTERNATE EQUIPMENT TO WHAT IS SPECIFIED WITHIN THIS SET OF DRAWINGS. THIS INCLUDES, BUT IS NOT LIMITED TO, DEMAND OVERLOADS, INSUFFICIENT SPACE ALLOCATIONS, AND EQUIPMENT FAILURES.

KEYED NOTES THIS SHEET

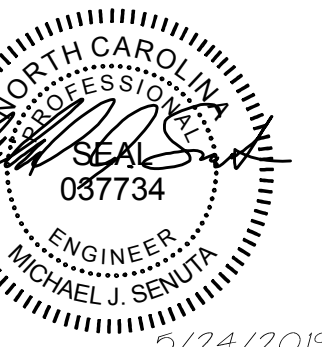
1. COORDINATE POWER CONNECTION AND DISCONNECTING MEANS WITH GARAGE DOOR MANUFACTURE AND INSTALLER PRIOR TO ANY ROUGH-IN WORK.
2. COORDINATE POWER CONNECTION AND DISCONNECTING MEANS WITH AIR CURTAIN INSTALLER PRIOR TO ANY ROUGH-IN WORK.
3. COORDINATE POWER CONNECTION AND DISCONNECTING MEANS WITH HEATER INSTALLER PRIOR TO ANY ROUGH-IN WORK.
4. COORDINATE LOCATION AND POWER REQUIREMENTS FOR ELECTRONIC GAS EMERGENCY SHUT DOWN SOLENOID WITH PLUMBING VENDOR. PROVIDE LINE VOLTAGE & LOW VOLTAGE CONNECTIONS AS REQUIRED FOR SHUT DOWN OF GAS IN THE EVENT HOOD FUNCTION IS ACTIVATED.

RECEPTACLE COLORS

1. ALL WIRING DEVICE COLORS (SWITCHES, RECEPTACLES & DEVICE COVER PLATES SHALL BE COORDINATED WITH INTERIOR DESIGNER FOR EACH AREA PRIOR TO PURCHASE. NO EXCEPTIONS.



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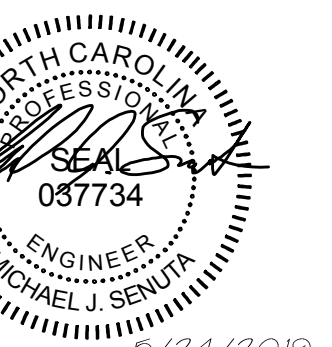
POWER PLAN

E2.1

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REVISION table with columns for no., date, and comment.

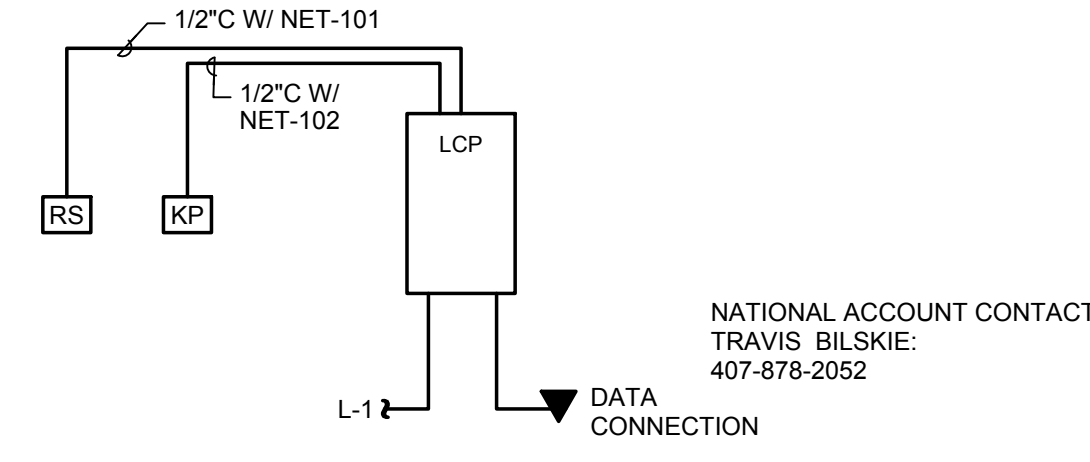
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ELECTRICAL PANEL SCHEDULE & RISERS

E3.1

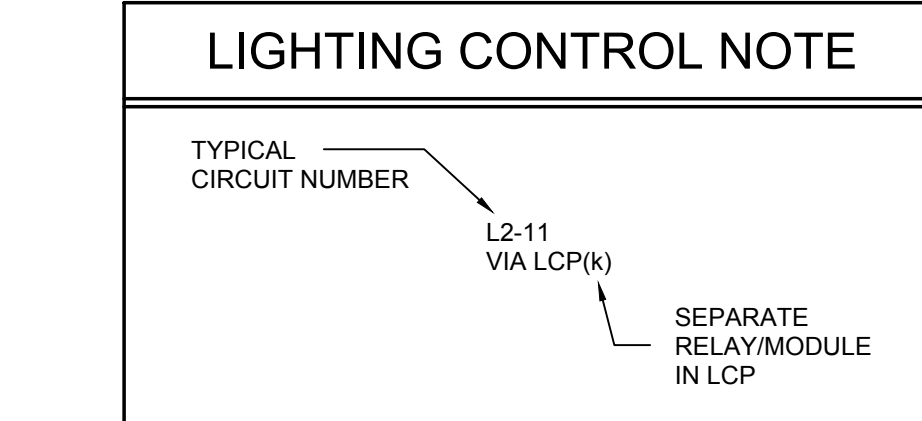
VOLTAGE DROP SCHEDULE table with columns for RUN DISTANCE IN FEET and WIRE SIZE AWG.

MECH/ELEC SCHEDULE table with columns for ITEM, WATTS, MCA, HP, MOCP, VOLTAGE, DISCONNECT.



2 LIGHTING CONTROL RISER

GENERAL LIGHTING CONTROL SCOPE: INTERIOR LIGHTING - ALLOW LIGHTS TO BE LOCALLY CONTROLLED ONLY DURING OCCUPIED HOURS... EXTERIOR SIGNAGE/LIGHTING - ALLOW SITE LIGHTS TO OPERATE UNDER THE FOLLOWING CONDITIONS...



NEW PANELBOARD SCHEDULE - 'L3' table with columns for OLT, BKR, POLE, WIRE, COND, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, LOAD (KVA), DESCRIPTION, SIZE, POLE, BKR, CKT.

PNL 'L3' DEMAND CALCS table showing calculations for LIGHTING, RECEPTACLES, MOTORS, A/C, HEATING, KITCHEN, MISCELLANEOUS, and TOTAL.

EXISTING PANELBOARD SCHEDULE - 'L2' table with columns for OLT, BKR, POLE, WIRE, COND, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, LOAD (KVA), DESCRIPTION, SIZE, POLE, BKR, CKT.

PNL 'L2' DEMAND CALCS table showing calculations for LIGHTING, RECEPTACLES, MOTORS, A/C, HEATING, KITCHEN, MISCELLANEOUS, and TOTAL.

NEW PANELBOARD SCHEDULE - 'H2' table with columns for OLT, BKR, POLE, WIRE, COND, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, LOAD (KVA), DESCRIPTION, SIZE, POLE, BKR, CKT.

PNL 'H2' DEMAND CALCS table showing calculations for LIGHTING, RECEPTACLES, MOTORS, A/C, HEATING, KITCHEN, MISCELLANEOUS, and TOTAL.

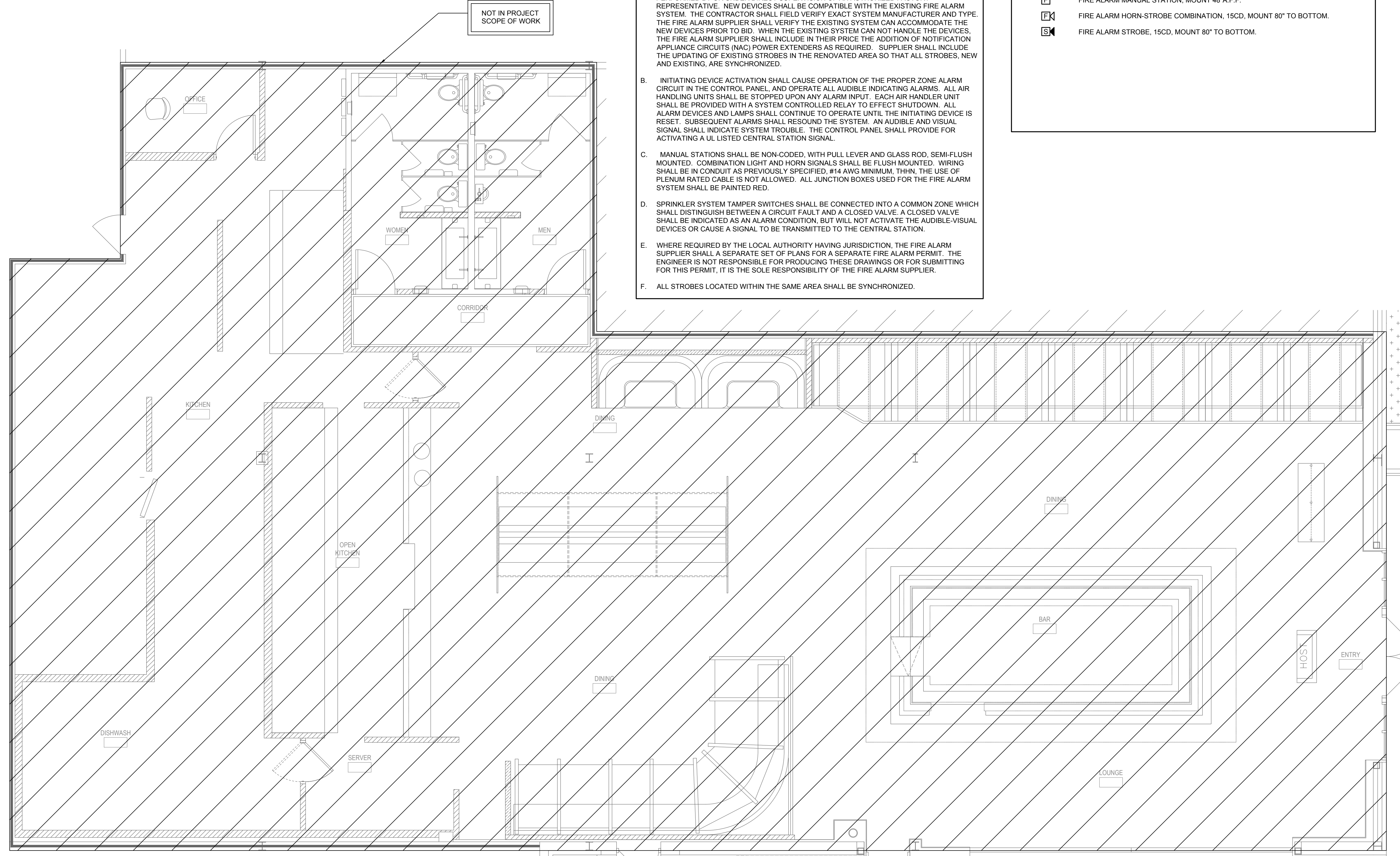
EXISTING PANELBOARD SCHEDULE - 'H' table with columns for OLT, BKR, POLE, WIRE, COND, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, LOAD (KVA), DESCRIPTION, SIZE, POLE, BKR, CKT.

PNL 'H' DEMAND CALCS table showing calculations for LIGHTING, RECEPTACLES, MOTORS, A/C, HEATING, KITCHEN, MISCELLANEOUS, and TOTAL.

EXISTING PANELBOARD SCHEDULE - 'L1' table with columns for OLT, BKR, POLE, WIRE, COND, VOLTAGE, PHASE, WIRE, MOUNTING, SURFACE, AIC, LOAD (KVA), DESCRIPTION, SIZE, POLE, BKR, CKT.

PNL 'L1' DEMAND CALCS table showing calculations for LIGHTING, RECEPTACLES, MOTORS, A/C, HEATING, KITCHEN, MISCELLANEOUS, and TOTAL.

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FIRE ALARM SPECIFICATIONS

PART 1: FIRE ALARM SYSTEM

A. NEW DEVICES SHALL BE CONNECTED TO THE EXISTING FIRE ALARM SYSTEM IN COMPLIANCE WITH ALL APPLICABLE NFPA 72 AND OTHER STANDARDS AS WELL AS THE AMERICANS WITH DISABILITIES ACT (ADA). ALL FINAL CONNECTIONS, TESTING AND ADJUSTMENTS SHALL BE PERFORMED BY OR UNDER DIRECT SUPERVISION OF AN AUTHORIZED FACTORY REPRESENTATIVE. NEW DEVICES SHALL BE COMPATIBLE WITH THE EXISTING FIRE ALARM SYSTEM. THE CONTRACTOR SHALL FIELD VERIFY EXACT SYSTEM MANUFACTURER AND TYPE. THE FIRE ALARM SUPPLIER SHALL VERIFY THE EXISTING SYSTEM CAN ACCOMMODATE THE NEW DEVICES PRIOR TO BID. WHEN THE EXISTING SYSTEM CAN NOT HANDLE THE DEVICES, THE FIRE ALARM SUPPLIER SHALL INCLUDE IN THEIR PRICE THE ADDITION OF NOTIFICATION APPLIANCE CIRCUITS (NAC) POWER EXTENDERS AS REQUIRED. SUPPLIER SHALL INCLUDE THE UPDATING OF EXISTING STROBES IN THE RENOVATED AREA SO THAT ALL STROBES, NEW AND EXISTING, ARE SYNCHRONIZED.

B. INITIATING DEVICE ACTIVATION SHALL CAUSE OPERATION OF THE PROPER ZONE ALARM CIRCUIT IN THE CONTROL PANEL, AND OPERATE ALL AUDIBLE INDICATING ALARMS. ALL AIR HANDLING UNITS SHALL BE STOPPED UPON ANY ALARM INPUT. EACH AIR HANDLER UNIT SHALL BE PROVIDED WITH A SYSTEM CONTROLLED RELAY TO EFFECT SHUTDOWN. ALL ALARM DEVICES AND LAMPS SHALL CONTINUE TO OPERATE UNTIL THE INITIATING DEVICE IS RESET. SUBSEQUENT ALARMS SHALL RESOUND THE SYSTEM. AN AUDIBLE AND VISUAL SIGNAL SHALL INDICATE SYSTEM TROUBLE. THE CONTROL PANEL SHALL PROVIDE FOR ACTIVATING A UL LISTED CENTRAL STATION SIGNAL.

C. MANUAL STATIONS SHALL BE NON-CODED, WITH PULL LEVER AND GLASS ROD, SEMI-FLUSH MOUNTED. COMBINATION LIGHT AND HORN SIGNALS SHALL BE FLUSH MOUNTED. WIRING SHALL BE IN CONDUIT AS PREVIOUSLY SPECIFIED, #14 AWG MINIMUM THIN. THE USE OF PLENUM RATED CABLE IS NOT ALLOWED. ALL JUNCTION BOXES USED FOR THE FIRE ALARM SYSTEM SHALL BE PAINTED RED.

D. SPRINKLER SYSTEM TAMPER SWITCHES SHALL BE CONNECTED INTO A COMMON ZONE WHICH SHALL DISTINGUISH BETWEEN A CIRCUIT FAULT AND A CLOSED VALVE. A CLOSED VALVE SHALL BE INDICATED AS AN ALARM CONDITION, BUT WILL NOT ACTIVATE THE AUDIBLE-VISUAL DEVICES OR CAUSE A SIGNAL TO BE TRANSMITTED TO THE CENTRAL STATION.

E. WHERE REQUIRED BY THE LOCAL AUTHORITY HAVING JURISDICTION, THE FIRE ALARM SUPPLIER SHALL A SEPARATE SET OF PLANS FOR A SEPARATE FIRE ALARM PERMIT. THE ENGINEER IS NOT RESPONSIBLE FOR PRODUCING THESE DRAWINGS OR FOR SUBMITTING FOR THIS PERMIT. IT IS THE SOLE RESPONSIBILITY OF THE FIRE ALARM SUPPLIER.

F. ALL STROBES LOCATED WITHIN THE SAME AREA SHALL BE SYNCHRONIZED.

FIRE ALARM SYMBOLS SCHEDULE

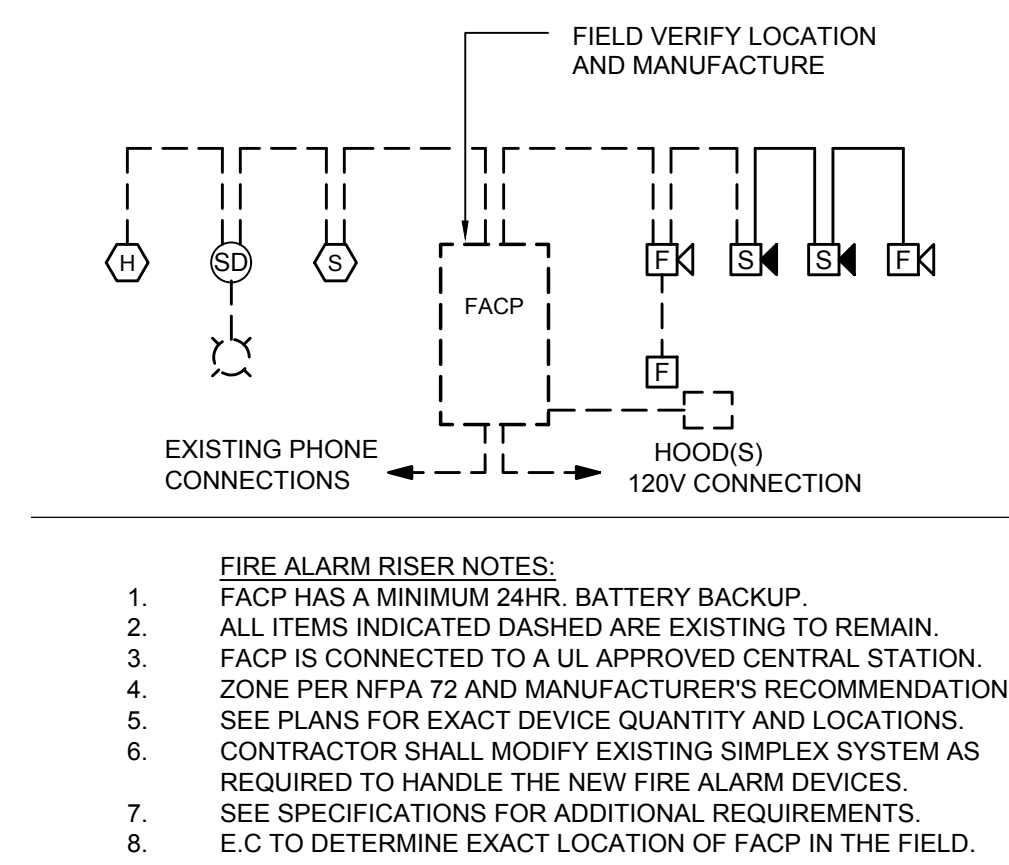
	FIRE ALARM MANUAL STATION, MOUNT 48" A.F.F.
	FIRE ALARM HORN-STROBE COMBINATION, 15CD, MOUNT 80" TO BOTTOM.
	FIRE ALARM STROBE, 15CD, MOUNT 80" TO BOTTOM.

FIRE ALARM SEQUENCE

SEQUENCE OF OPERATIONS	BUILDING SYSTEM OUTPUTS			CENTRAL COMM.
	ACTIVATE COMMON ALARM SIGNAL INDICATOR	ACTIVATE COMMON SUPERVISORY SIGNAL INDICATOR	ACTIVATE COMMON TROUBLE SIGNAL INDICATOR	
ALARM SOURCE AND TYPE				
1. MANUAL PULL STATION ALARM	■	■	■	■
2. BUILDING SMOKE DETECTOR	■	■	■	■
3. DUCT DETECTOR ALARM	■	■	■	■
4. SMOKE DETECTOR DIRTY/MALFUNCTION - ALL	■	■	■	■
5. SPRINKLER WATERFLOW	■	■	■	■
6. SPRINKLER TAMPER	■	■	■	■
7. FIRE ALARM AC POWER FAILURE	■	■	■	■
8. FIRE ALARM SYSTEM LOW BATTERY	■	■	■	■
9. OPEN CIRCUIT	■	■	■	■
10. GROUND FAULT	■	■	■	■
11. NOTIFICATION APPLIANCE CIRCUIT SHORT	■	■	■	■
12. SYSTEM RESET	■	■	■	■

NOTES:
 1. 'SYSTEM RESET' SHALL CLEAR ALL DETECTOR AND MANUAL ALARM SIGNALS, STOP AND RESET THE PRE-DISCHARGE COUNTDOWN, AND STOP TRANSMISSION OF ALL ALARM SIGNALS TO THE MAIN PANEL.
 2. SYSTEM SHALL BE PROGRAMMED SUCH THAT THE SYSTEM CAN BE RESET WHILE THE MANUAL ABORT BUTTON IS ACTIVATED.
 3. SYSTEM SHALL HAVE A 3 BEAT TEMPORAL SOUND PATTERN.

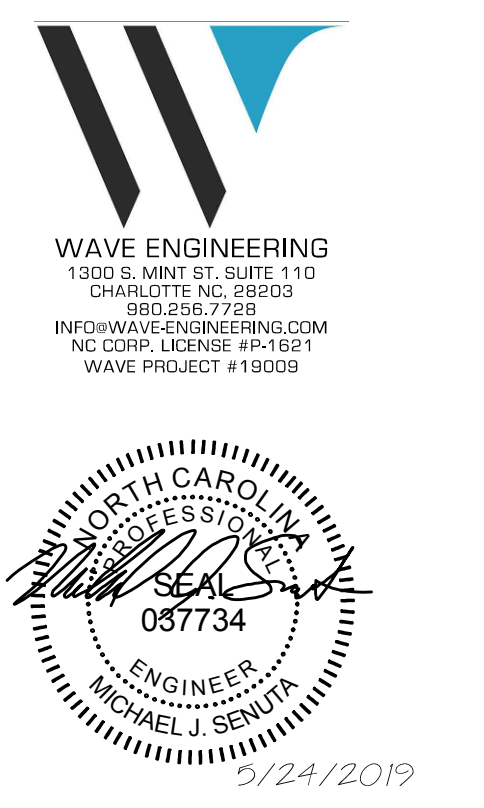
1 FIRE ALARM SCHEMATIC PLAN
 FA1.0 SCALE: 1/4" = 1'-0"



2 FIRE ALARM RISER DIAGRAM
 FA1.0 NO SCALE

GENERAL NOTES THIS SHEET

- THE CONTRACTOR SHALL COORDINATE WITH EXISTING SYSTEM AND CONDITIONS.
- PROVIDE FIRE ALARM SUBMITTAL AND SHOP DRAWINGS TO LOCAL AUTHORITY HAVING JURISDICTION PRIOR TO ANY WORK.



FOR CONSTRUCTION



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no.	date	comment

DRAWN BY: GKG
 CHECKED BY: BRD/MJS
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FIRE ALARM PLANS

FA1.0