

MASONRY NOTES:

- STANDARD CONFORM WITH RECOMMENDATIONS OF BRICK INSTITUTE OF AMERICA (BIA), AND NATIONAL CONCRETE MASONRY ASSOC. (NCMA) AND THE REQUIREMENTS OF THE CURRENT BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES (ACI 530/ASCE 5) AND SPECIFICATIONS FOR MASONRY STRUCTURES (ACI 530.1/ASCE 6)
- ALL MASONRY TO HAVE INTEGRAL POLYMER WATER REPELLENT BY MANUFACTURER. PROVIDE POLYMER WATER REPELLENT ADMIXTURE ADDED TO THE MORTAR BY THE MASONRY CONTRACTOR, PER MANUFACTURER'S SPECIFICATIONS.
- CONCRETE MASONRY UNITS (CMU): ASTM C 90, GRADE N-1. PROVIDE "MEDIUM WEIGHT" UNITS (MIN. 105 PCF) WITH A MINIMUM COMPRESSIVE STRENGTH, FM OF 2000 PSI.
- SELECTION: ELSTON SPLIT & SMOOTH FACE, DISTRIBUTOR: RAMM BRICK & SUPPLY LLC. CONTACT: KIP RAMM - CELL (847)871-1183.
- SIZES & TEXTURE:  
A) 3 1/2" H. x 7 1/2" D. x 15% L. (NOV. 8 x 12 x 16 @ PILASTERS) SPLIT-FACE FINISH  
B) 7 1/2" H. x 17 1/2" D. x 15% L. BEHIND EIFS, SMOOTH-FACE FINISH  
C) MISC. SIZES AS REQ'D. SEE WALL SECTIONS, EXTERIOR DETAILS & EXTERIOR FINISH LIST.
- FINISH: PAINTED PER EXTERIOR FINISH SCHEDULE.
- MASONRY MORTAR: ASTM C 270, TYPE S, APPROXIMATELY 3:1:1 PORTLAND CEMENT, LIME, SAND FOR EXTERIOR WORK. COLOR: NATURAL. PROVIDE POLYMER WATER REPELLENT ADMIXTURE (CONSP.) TO THE MORTAR BY THE MASONRY CONTRACTOR, PER MANUFACTURER'S SPECIFICATIONS.
- PORTLAND CEMENT: ASTM C 150, TYPE 1, NON-STAINING, NO AIR ENTRAINMENT, WHITE IF NEEDED FOR COLOR MATCH.
- LIME: HYDRATED LIME, ASTM C 201, TYPE S.
- SAND: ASTM C 144, OR FINER IF NEED FOR JOINT SIZES LESS THAN 1/4"
- INSTALL (LAY) THRU-WALL BRICK UNITS IN 1/2 RUNNING BOND PATTERN & C.M.U. IN RUNNING BOND PATTERN.
- CUT EXPOSED MASONRY UNITS, WHERE NECESSARY, WITH A POWER SAW. AVOID THE USE (BY PROPER LAYOUT) OF LESS-THAN-HALF-SIZE UNITS.
- HOLD UNIFORM JOINT SIZES AS INDICATED, OR IF NOT INDICATED, HOLD JOINT SIZES TO SUIT MODULAR SIZE OF MASONRY UNITS.
- CUT JOINTS FLUSH AND TOOL SLIGHTLY CONCAVE, UNLESS OTHERWISE INDICATED.
- REINFORCE HORIZONTAL JOINTS WITH CONTINUOUS MASONRY WIRE REINFORCING, SPACED 16" VERTICALLY, EXCEPT SPACED 8" IN PARAPET WALLS AND IMMEDIATELY ABOVE AND BELOW OPENINGS, FOR A DISTANCE OF 2 FEET BEYOND THE OPENING IN ALL FOUR DIRECTIONS. DO NOT BRIDGE CONTROL AND EXPANSION JOINTS IN THE WALL SYSTEM.
- COMPLETELY FILL WITH MORTAR COLLAR JOINTS IN MULTI-WYTHE MASONRY WALLS, EXCEPT WHERE FLASHING AND/OR KEEPS ARE PRESENT.
- FILL HEAD (VERTICAL) JOINTS WITH MORTAR @ INTERIOR AND EXTERIOR FACES ONLY IN ALL MASONRY WORK, EXCEPT WHERE FLASHING AND/OR KEEPS ARE PRESENT..
- WHERE INDICATED, COMPLETELY FILL CORES OF MASONRY UNITS FOR FULL HEIGHT OF THE WALL WITH THE TYPE S MORTAR OR CONCRETE - SEE MASONRY REINFORCING NOTES.
- PROVIDE CONTROL AND EXPANSION JOINTS AT LOCATIONS SHOWN, AND KEEP CLEAN OF MORTAR DROPPINGS/ SQUEEZE - OUT.
- IF LOCATIONS ARE NOT SHOWN, SPACE CONTROL JOINTS 25'-0" (HORIZONTALLY) FOR CMU MASONRY.
- THE CONTRACTOR SHALL BRACE WALLS ADEQUATELY DURING CONSTRUCTION UNTIL THE ROOF AND FLOOR STRUCTURE ARE IN PLACE.
- THE WORK IN PROGRESS WILL BE INSPECTED BY THE OWNER'S REPRESENTATIVE IN ACCORDANCE WITH SECTION 1.5 OF ACI 530.1.
- JOIST BEARINGS - USE A MINIMUM OF 3 CONCRETE BLOCK BRICK COURSES OR FILL ONE COURSE OF CONCRETE BLOCK SOLID WITH GROUT UNDER EACH JOIST.
- BEAM BEARING - USE SOLID CONCRETE BLOCK 2 COURSES WIDE BY 3 COURSES DEEP UNDER EACH BEAM.
- PILASTERS - FILL SOLID WITH GROUT (SEE BEAM BEARING NOTE # 2).
- N/A
- MASON IS RESPONSIBLE FOR KEEPING FLASHING/KEEP SYSTEM FUNCTIONING AND FREE OF MORTAR.
- PROVIDE CONTROL JOINTS AT MAXIMUM 25'-0" O.C.
- PRE-CONSTRUCTION MEETING REQUIRED PRIOR TO INSTALLATION OF THRU-WALL BRICK SYSTEM. PRE-CONSTRUCTION MEETING TO INCLUDE MANUFACTURER, MANUFACTURER'S REPRESENTATIVE, OWNER'S REPRESENTATIVE & ARCHITECT.
- PROVIDE INTEGRAL POLYMER WATER REPELLENT RECOMMENDED BY MANUFACTURER. PROVIDE POLYMER WATER REPELLENT ADMIXTURE ADDED TO THE MORTAR BY THE MASONRY CONTRACTOR, PER MANUFACTURER'S SPECIFICATIONS.
- CLEANING: DO NOT USE ACID WASH OR HARSH DETERGENT. MASONRY WALLS ARE TO BE CLEANED SEVEN DAYS AFTER COMPLETION WITH A MILD DETERGENT SOLUTION OR OTHER PROPRIETARY SOLUTION AS RECOMMENDED BY MASONRY MANUFACTURER, OR USE PROSOCC "LIGHT DUTY Concrete Cleaner". WALLS SHOULD BE THOROUGHLY SATURATED WITH CLEAR WATER BEFORE AND AFTER CLEANING SOLUTION IS APPLIED.
- N/A
- FLASHING: "BLOCKFLASH" BY MORTAR NET SOLUTIONS, AS SHOWN ON DRAWINGS. SEE BLOCKFLASH INSTALLATION NOTES. IN ADDITION, FLEXIBLE MEMBRANE FLASHING WITH END DAMS TO ALSO BE USED AND FULLY ADHERED TO ALL STEEL LINTELS.

MASONRY REINFORCING NOTES:

- PROVIDE REINFORCED UNIT MASONRY WITH RUNNING BOND.
- REINFORCED CONCRETE UNIT SYSTEM SHALL CONSIST OF THE FOLLOWING:  
A. MEDIUM WEIGHT HOLLOW LOAD-BEARING CONCRETE MASONRY UNITS COMPLYING WITH ASTM C90, GRADE N TYPE I  
B. REINFORCING BARS SHALL BE ASTM A-60 AND SHALL HAVE DEFORMATIONS IN ACCORDANCE TO ASTM SPECIFICATION A305.  
C. TYPE S MORTAR WITH A MINIMUM COMPRESSIVE UNIT STRESS FOR THE MASONRY ASSEMBLY, FM = 2000 PSI.  
D. GROUT SHALL BE COARSE GROUT CONFORMING TO ASTM C476 WITH A MINIMUM COMPRESSIVE ASSEMBLY, FM = 2000 PSI. STRENGTH OF 2000 PSI.
- THE REINFORCED CONCRETE MASONRY UNITS SHALL BE ERECTED USING THE LOW LIFT METHOD.
- PROVIDE ONE NUMBER FOUR (4) BAR MINIMUM AROUND ALL DOOR OPENINGS.
- VERTICAL REINFORCING BARS SHALL BE AS SHOWN ON DRAWINGS WITH LADDER TYPE HORIZONTAL REINFORCING WITH FOUR(4) NO. 4 GAGE BARS AT 16" ON CENTER U.N.O.
- REINFORCING STEEL SHALL BE LAPPED 48 BAR DIAMETERS OR 24 INCHES, WHICHEVER IS GREATER, WHERE SPLICED, AND SHALL BE SEPARATED BY ONE BAR DIAMETER OR WIRED TOGETHER.
- VERTICAL BARS SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT EXCEEDING 1/2 DIAMETERS OF REINFORCEMENT.
- VERTICAL REINFORCING STEEL SHALL HAVE A CLEARANCE OF THREE QUARTERS OF AN INCH FROM MASONRY OR ADJACENT BARS, BUT NOT LESS THAN ONE BAR DIAMETER BETWEEN BARS.
- ALL REINFORCING SHOWN ON DRAWINGS SHALL BE GROUTED FULL LENGTH.
- ALL GROUT SHALL BE PUDDLED OR VIBRATED IN PLACE.
- VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT TO MAINTAIN A CONTINUOUS UNOBSTRUCTED CELL AREA NOT LESS THAN 2" X 3".
- CELLS CONTAINING REINFORCEMENT SHALL BE SOLIDLY FILLED WITH GROUT AND POURS SHALL BE STOPPED ONE AND ONE HALF INCHES BELOW THE TOP OF A COURSE TO FORM A KEY AT FOUR JOINTS.
- ALL BOLTS, ANCHORS, ETC. INSERTED IN THE WALL SHALL BE SOLIDLY GROUTED IN PLACE.

THRU-WALL MASONRY NOTES:

- MOCK-UP:** CONSTRUCT A MASONRY WALL PANEL AT LEAST 4 FEET LONG BY 4 FEET HIGH TO REPRESENT THE EXTERIOR MASONRY WALL (INCLUDING ACCENT BANDS). INCLUDE REINFORCING AND MINIMUM ONE CONTROL JOINT AND ONE OUTSIDE CORNER. INCLUDE JOINT PROFILE AND MORTAR COLOR. CLEAN ONE-HALF OF MOCK-UP TO REPRESENT FINAL CLEAN DOWN USING METHODS AND MATERIALS IN ACCORDANCE WITH THE CLEANING REQUIREMENTS HEREIN AND LEAVE REMAINDER WITHOUT FINAL CLEANING FOR COMPARISON. MOCK-UP TO BE APPROVED BY ARCHITECT/OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH MASONRY INSTALLATION. PROVIDE ON-SITE INSPECTION BY MASONRY MANUFACTURER REPRESENTATIVE OF MOCK-UP CONSTRUCTION AND CLEANING AND SUBMIT MANUFACTURER'S LETTER OF APPROVAL OF THE WORK PROCEDURES AND THE COMPLETED MOCK-UP.
- PRE-CONSTRUCTION MEETINGS REQUIRED PRIOR TO INSTALLATION OF THRU-WALL BRICK SYSTEM. PRE-CONSTRUCTION MEETING TO INCLUDE MANUFACTURER, MANUFACTURER'S REPRESENTATIVE, OWNER'S REPRESENTATIVE & ARCHITECT.

SPECIAL MASONRY NOTE ALERT!

There are four CRITICAL elements to SINGLE WYTHE masonry construction:

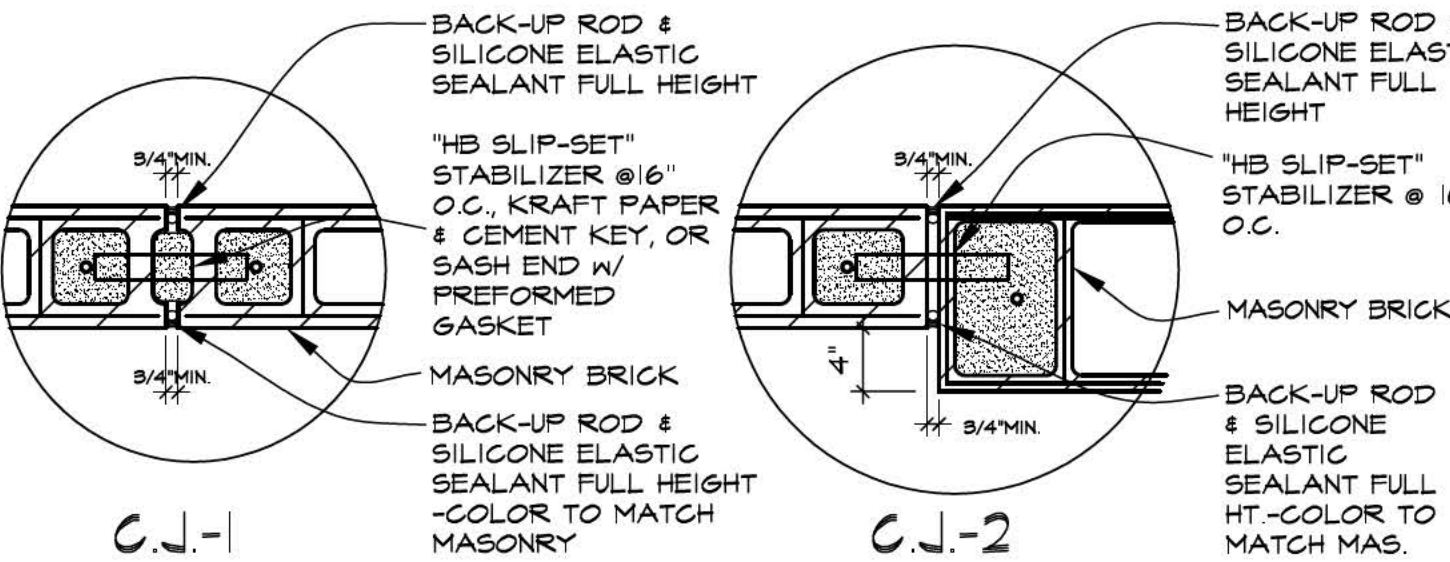
- The concrete brick product has to have integral waterproofing.
- The mortar has to have a water repellent.
- All flashing, including The "BlockFlash" flashing system, has to be employed correctly.
- The building has to be sealed with a protective sealer treatment.

See masonry notes for more information regarding these and other specification items.

NOTES:  
SEALANT BY MASONRY CONTRACTOR - SELECTION FROM STANDARD COLOR PALETTE TO MATCH ADJACENT MASONRY COLOR.

PROVIDE SASH END UNITS AT ALL CONTROL JOINTS.

DO NOT RUN HORIZONTAL REINF. THRU CONTROL JOINTS. ALL 6" THRU 12" MASONRY UNITS AT CONTROL JOINTS TO HAVE KRAFT PAPER & CEMENT KEYS AND/OR SLEEVED ROD STABILIZERS.



MASONRY CONTROL JOINT DETAILS

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

SEE ELEV. FOR MAS. SELECTIONS / LOCATIONS

EXTERIOR FINISH LIST/ELEVATION KEYED NOTES

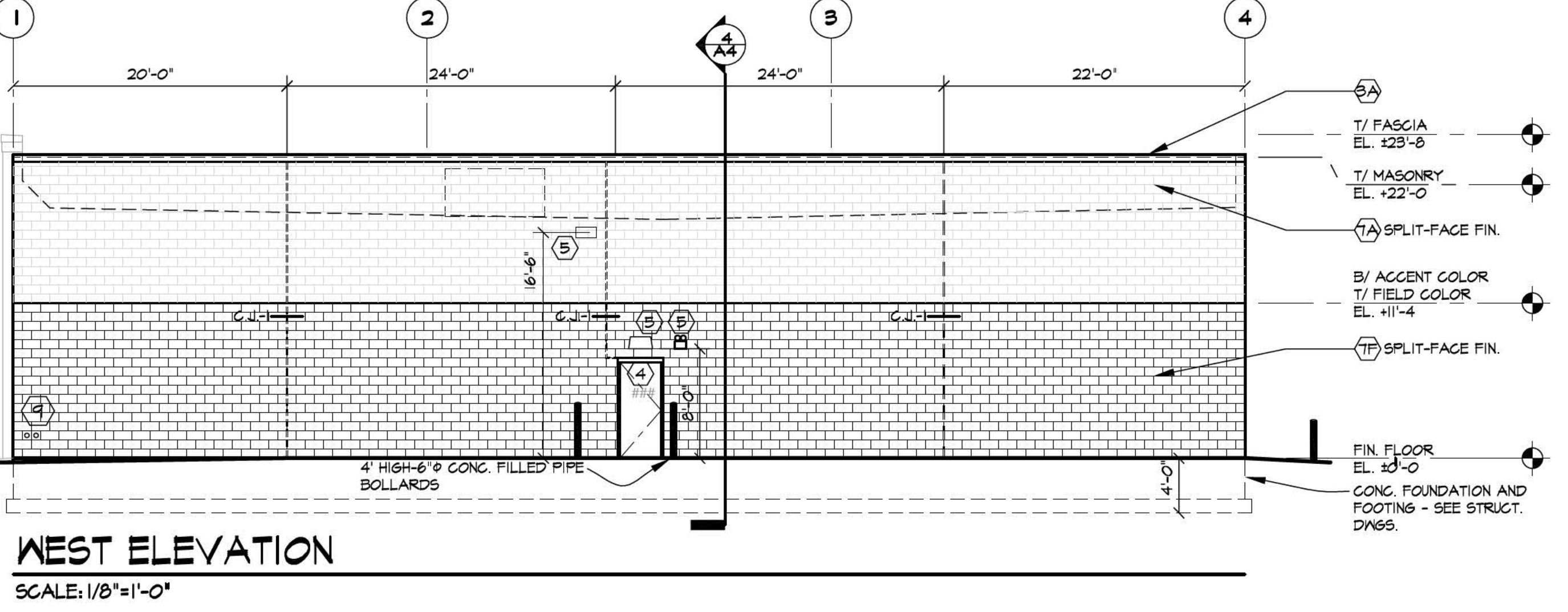
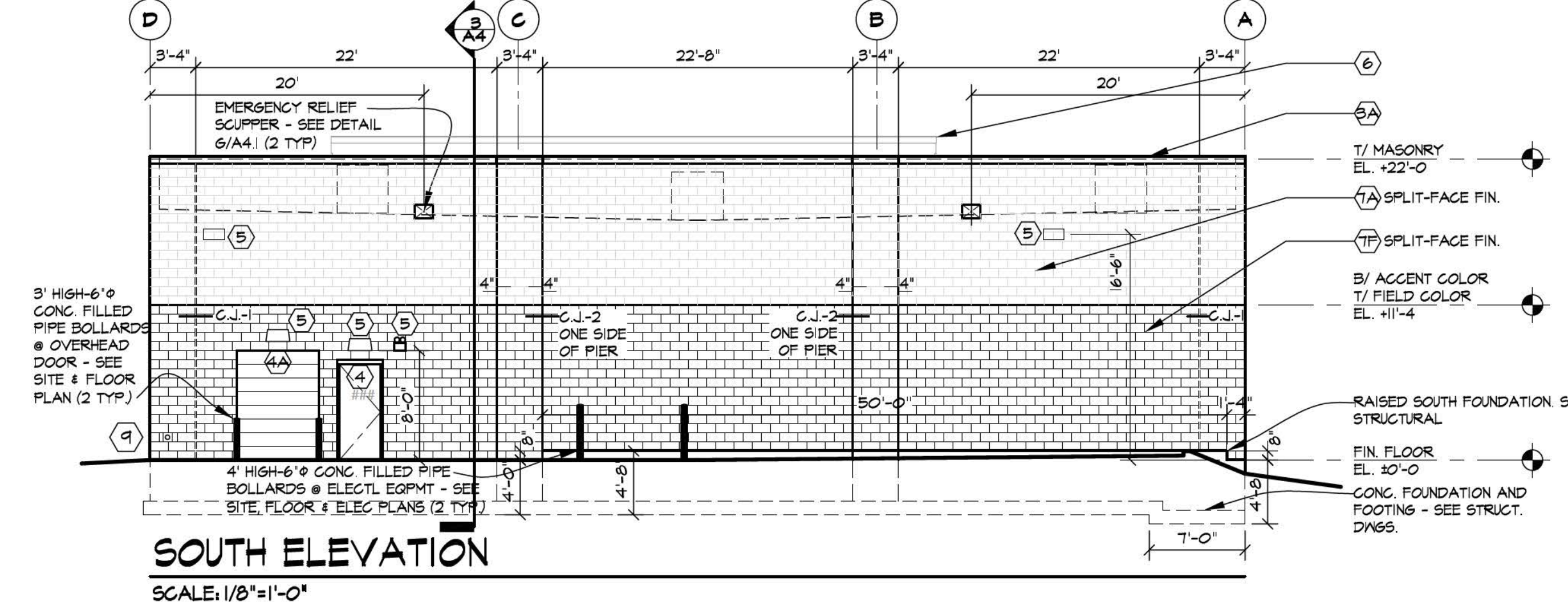
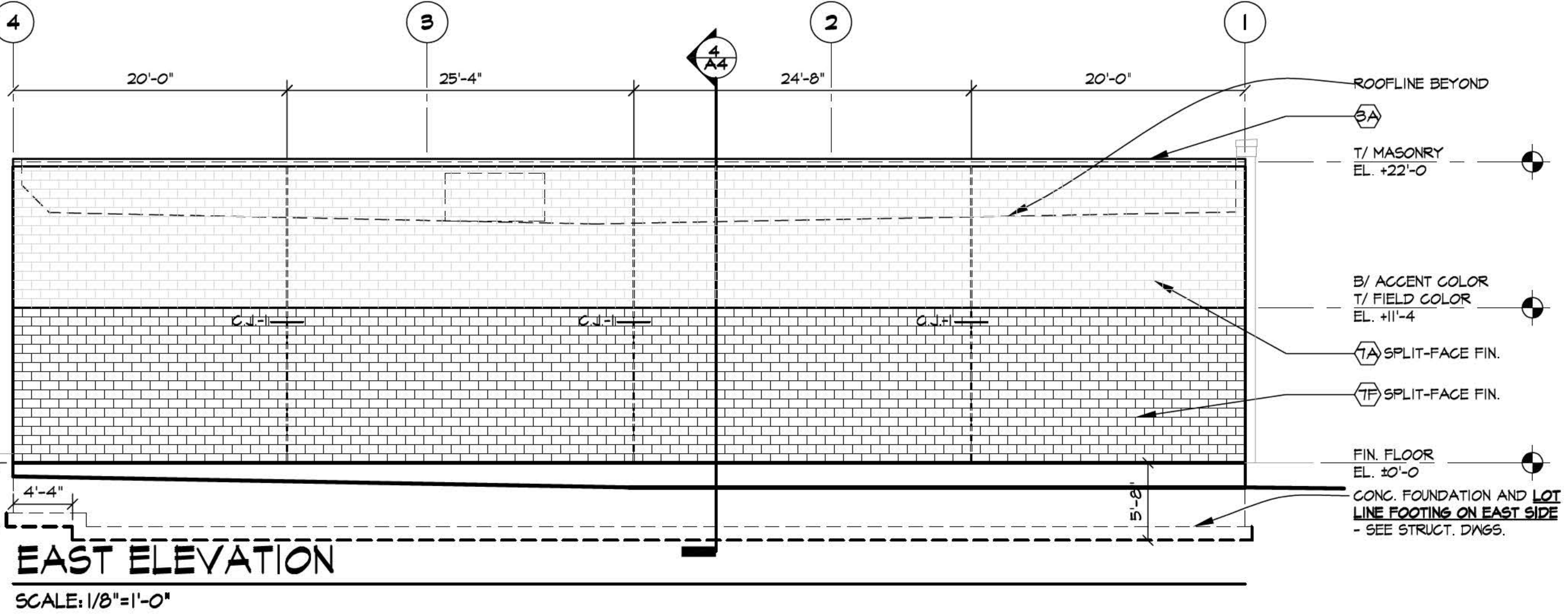
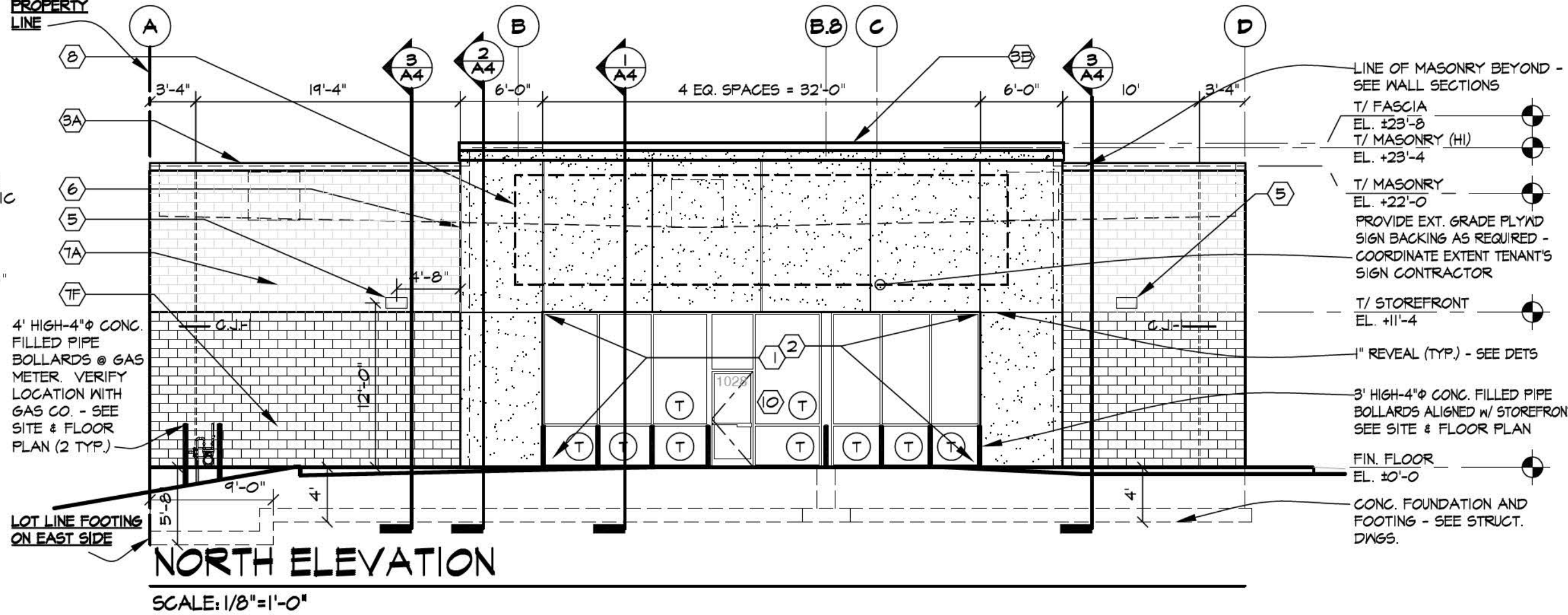
- ALUMINUM STOREFRONT:**  
MANUFACTURER: KAMNEER, EFCO, OR OLDCASTLE (VISTAMALL) - NO SUBSTITUTIONS  
COLOR: EFCO - IVY, KAMNEER - DARK IVY, VISTAMALL - INTERSTATE GREEN  
SEALANT: BY STOREFRONT CONTRACTOR, COLOR TO MATCH STOREFRONT
- STOREFRONT GLAZING:**  
1" INSULATED GLASS W/ MAX. U-FACTOR OF 0.29 AND SHGC OF 0.34 - SOLARBAN 60 LOW-E GLASS (CLEAR) BY WITTOR OR APPROVED EQUAL. LITES W/ PORTIONS BELOW 2'-0" AFF. TO BE TEMPERED, ADDITIONAL LITES TEMPERED AS NOTED BY "T"
- SHEET METAL COPING:**  
PREFINISHED KYNAR 500 COLORS:  
A) @ MASONRY: TO MATCH SHERWIN WILLIAMS SW6141 "SOFTER TAN"  
B) @ E.I.F.S.: TO MATCH SHERWIN WILLIAMS SW6071 "POSITIVE RED"
- EXTERIOR INSULATED HOLLOW METAL DOORS AND FRAMES:**  
FACTORY PRIMED/ FIELD PAINTED. SHERWIN WILLIAMS SW6108 "LATTE" (SEMI-GLOSS)
- OVERHEAD INSULATED STEEL DOORS AND FRAMES:**  
FACTORY PRIMED/ FIELD PAINTED. SHERWIN WILLIAMS SW6108 "LATTE" (SEMI-GLOSS)
- WALL MOUNTED LIGHT FIXTURES/EQUIPMENT:**  
SEE ELECTRICAL DRAWINGS FOR TYPE AND LOCATION  
COLOR: ARCH BRONZE
- E.I.F.S. (SYNTHETIC STUCCO):**  
BY DRYVIT OR EQUAL BY STO / BASF  
SERIES: DRYVIT OUTSULATION PLUS YD  
COLOR: ORAPOL 0305 STRATOTONE HIGH PERFORMANCE  
SHERWIN WILLIAMS SW6071 "POSITIVE RED"  
TEXTURE: SANDBLAST
- MASONRY - CMU SPECIFICATION:** SEE MASONRY NOTES  
FINISH: PAINTED AS FOLLOWS:  
PRIMER: (1) COAT SHERWIN WILLIAMS "PREPRITE" BLOCK FILLER (MIN. 8 MILS THK.) AND (2) COATS SHERWIN WILLIAMS "CONFLX XL" (MIN. 5.7 MILS THK.)  
A) ACCENT COLOR: SHERWIN WILLIAMS SW6141 "SOFTER TAN"  
F) FIELD COLOR: SHERWIN WILLIAMS SW6108 "LATTE"
- SIGNAGE UNDER SEPARATE PERMIT AND INSTALLED BY SIGN CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.**
- FROST PROOF WALL HYDRANT/DOWNPOUT NOZZLE** -SEE PLUMBING FIXTURE SCHEDULE IN PLUMBING DRAWINGS
- G.C. TO PROVIDE & INSTALL 6" TALL VINYL WHITE ON BLACK ADDRESS NUMBERS ON FRONT WINDOWS/ 3" TALL ON REAR - CENTERED OVER DOOR, BOTTOM EDGE OF NUMBER SHALL SET 4" ABOVE FRAME. NUMBERS BY FAST SIGN FONT; STANDARD BOLD CONDENSED FONT SIZE: 5.75", COMPRESSION NONE, BLACK OUTLINE, 300% BLEED, .02, PRINTED ON GERBER EDGR II VINYL. ORACLAS 651 WHITE, THICKNESS: 25 MIL.**

SYNTHETIC STUCCO NOTES:

- PROVIDE EXTERIOR FINISH SYSTEM BY DRYVIT, STO OR APPROVED EQUAL.
- THE SYNTHETIC STUCCO SYSTEM SHALL BE INSTALLED IN ACCORDANCE W/ AND COMPRISED OF THE PRODUCTS DESCRIBED IN B.O.C.A. RESEARCH REPORT NO. 43-1.
- EXPANDED POLYSTYRENE INSULATION BOARD SHALL HAVE A FLAME SPREAD LESS THAN OR EQUAL TO 25 AND A SMOKE DEVELOPED RATING OF LESS THAN OR EQUAL TO 450 WHEN TESTED IN ACCORDANCE W/ ASTM-E84.
- PROVIDE CONTROL JOINTS IN THE FOLLOWING LOCATIONS & AS INDICATED ON THE ELEVATIONS:
  - WHERE CONTROL JOINTS OCCUR IN THE SUBSTRATE SYSTEM.
  - WHERE BUILDING CONTROL JOINTS OCCUR.
  - WHERE THE OUTSULATION SYSTEM ABUTS DISSIMILAR MATERIALS.
  - WHERE THE SUBSTRATE MATERIAL TYPE CHANGES.
  - IN CONTINUOUS ELEVATIONS AT INTERVALS NOT TO EXCEED 75 FT.
  - WHERE SIGNIFICANT STRUCTURAL MOVEMENT OCCURS SUCH AS CHANGES IN ROOF LINE, BUILDING SHAPE OR STRUCTURAL SYSTEM.
- CONTRACTOR SHALL BE AN APPROVED APPLICATOR BY MANUFACTURER OF SYNTHETIC STUCCO SYSTEM.
- SEE EXTERIOR FINISH LIST FOR COLOR SELECTION.
- SEALANT BY E.I.F.S. CONTRACTOR - COLOR TO MATCH E.I.F.S.

NOTE:  
-PROVIDE BLOCKFLASH NEAR BASE OF WALL & ABOVE ALL LINTELS, STEEL BEAMS, SOLID CORES, BOND BEAMS AND ABOVE ANY MULTI-WYTHE CONDITION.

-EXTERIOR WALL DEPRESSIONS TO BE FILLED W/ CONCRETE TO ELEV. ±0'-0". IT IS THE CONCRETE CONTRACTOR'S RESPONSIBILITY TO REMOVE ANY MASONRY SHIMS USED TO TEMPORARILY FILL PIER DEPRESSIONS.



REVISIONS

NO.	DESCRIPTION	DATE
1	FOR BIDDING	11/2/19
2	FOR PERMIT	11/2/19
3	FOR CONSTRUCTION	11/2/19

THIS DRAWING  
KMA & ASSOCIATES, INC. ARCHITECTS  
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FOR PERMIT  
FOR CONSTRUCTION

O'REILLY AUTO PARTS  
DOLTON PLAZA  
1317 E. SIBLEY BLVD.  
DOLTON, IL 60419  
FOR: DEPARTMENT PROPERTY GROUP, LLC

SHEET TITLE  
EXTERIOR ELEVATIONS  
MASONRY NOTES  
DETAILS

1906

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