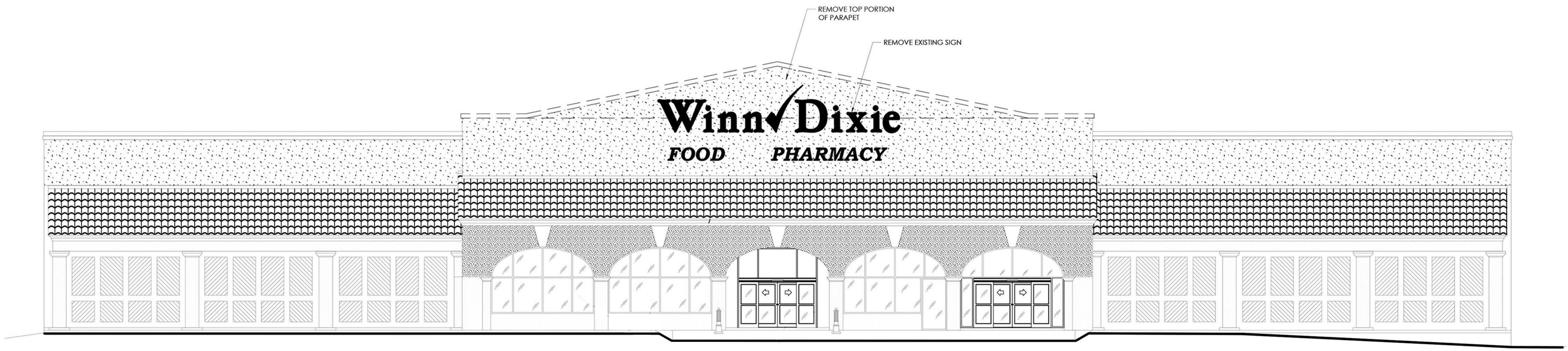
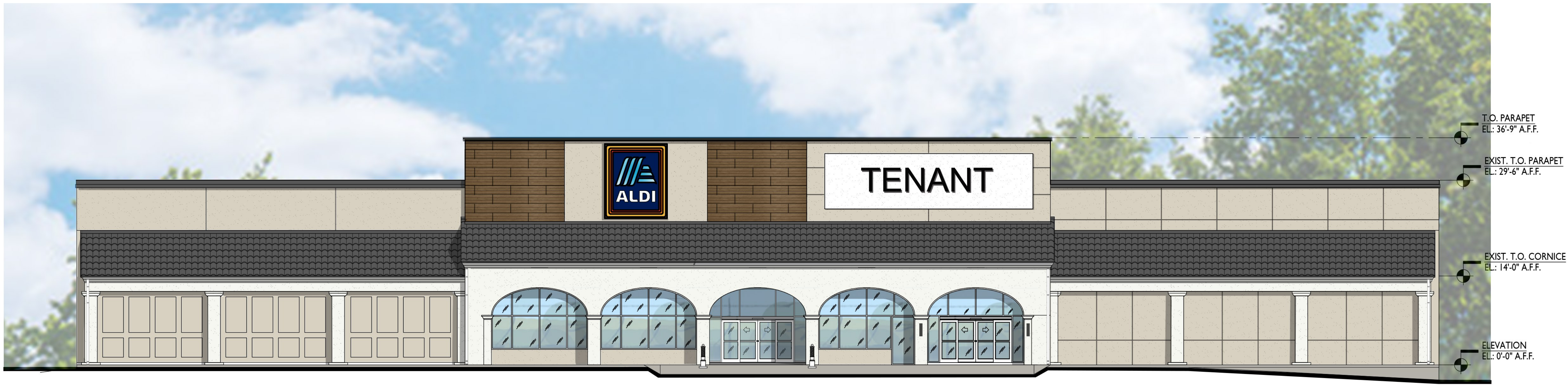


## EXISTING FRONT ELEVATION

NTS



## PROPOSED FRONT ELEVATION

NTS

| | | | |
|---|---|---|---|
| Dumpling<br>*Sherwin Williams* | Peppercorn<br>*Sherwin Williams* | High Reflective White<br>*Sherwin Williams* | Cedar<br>*Nichiha* |

**AUBURNDALE**
PROPERTIES

**CREATE**™
ARCHITECTURE PLANNING & DESIGN PLLC

# Riverside Market
New Orleans, Louisiana

September 8, 2026

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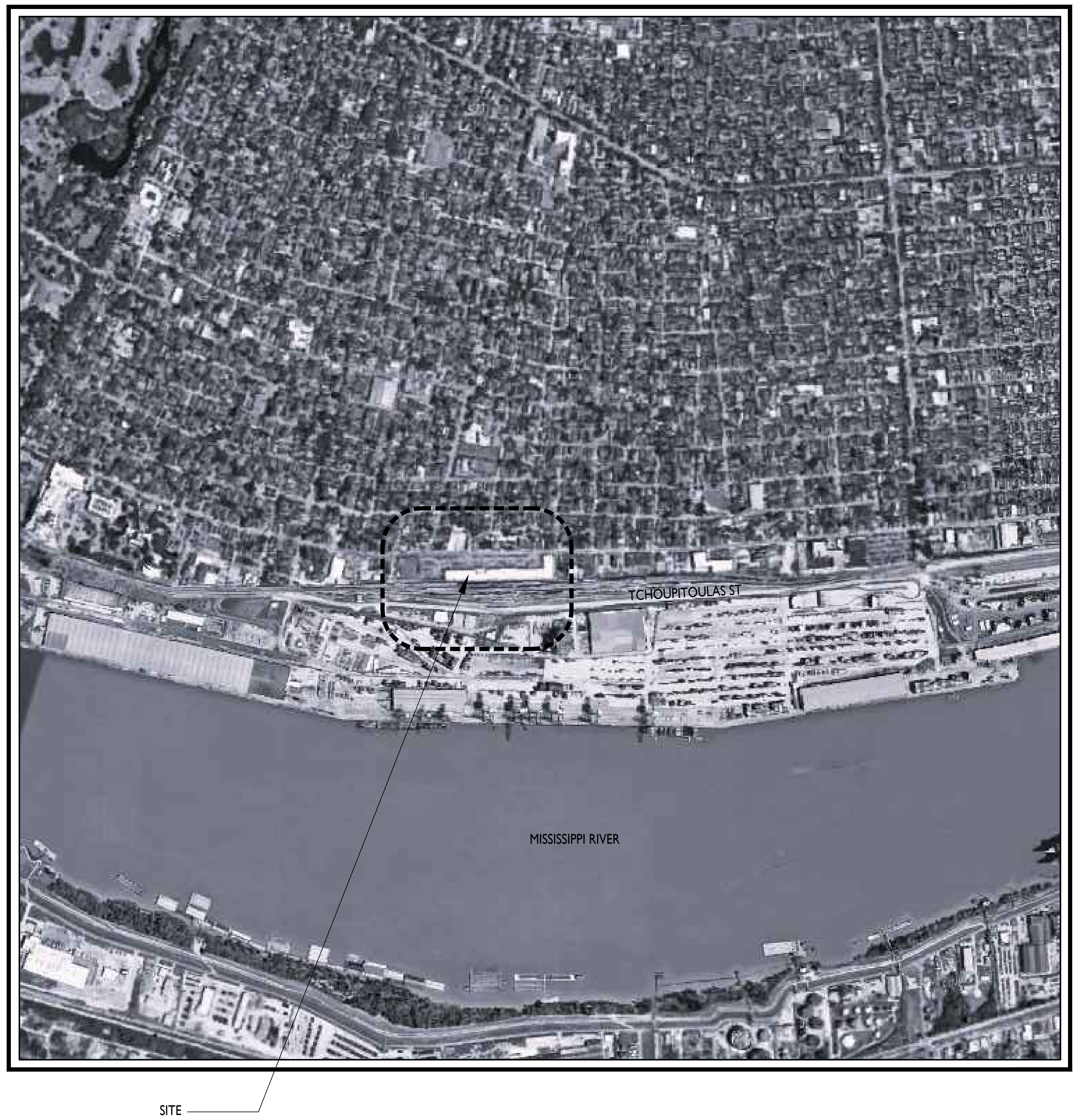
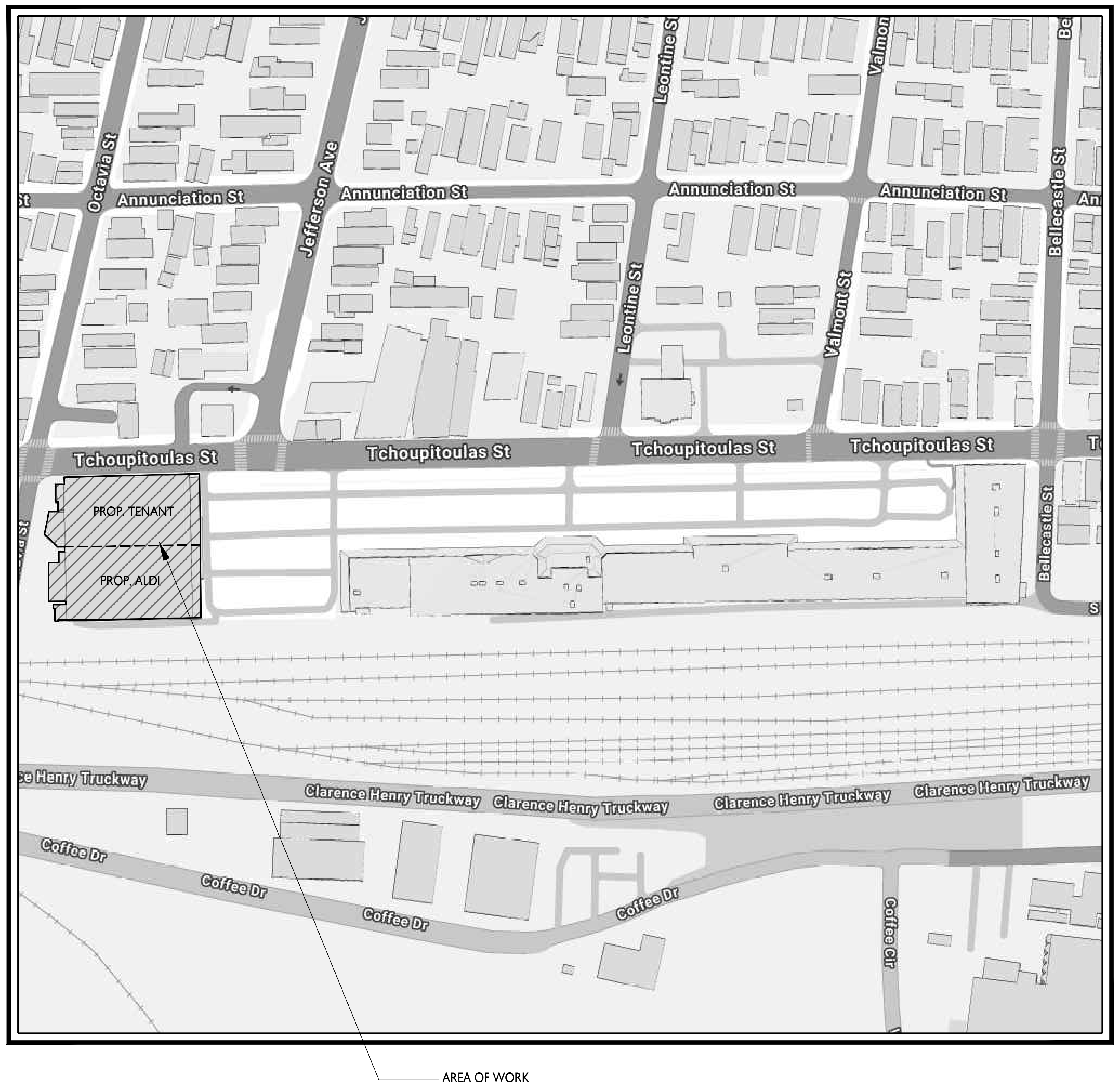


SITE

1 Location Map
SCALE: N.T.S.

NORTH



AREA OF WORK

2 Site Plan
SCALE: N. T. S.

NORTH

## List of Drawings

ARCHITECTURAL DRAWINGS

| SHEET # | SHEET TITLE | REV. | DATE |
|---|---|---|---|
| | | | |
| CS-1 | Cover Sheet | | 9/8/2026 |
| CS-2 | General Notes, Code Review, Symbols & Abbreviations | | 9/8/2026 |
| SP-1 | Specifications | | 9/8/2026 |
| SP-2 | Specifications | | 9/8/2026 |
| SP-3 | Specifications | | 9/8/2026 |
| D-100 | Demolition Floor Plan | | 9/8/2026 |
| D-200 | Demolition Elevations | | 9/8/2026 |
| D-400 | Demolition Wall Sections | | 9/8/2026 |
| A-100 | Proposed Floor Plan | | 9/8/2026 |
| A-102 | Roof Plan | | 9/8/2026 |
| A-200 | Proposed Elevations | | 9/8/2026 |
| A-400 | Wall Sections | | 9/8/2026 |
| A-700 | Plan Details and Trash Enclosure Plan & Details | | 9/8/2026 |

STRUCTURAL DRAWINGS

| SHEET # | SHEET TITLE | REV. | DATE |
|---|---|---|---|
| | | | |
| S-001 | General Notes & Specifications | | 9/8/2026 |
| S-100 | Existing Foundation Plan | | 9/8/2026 |
| S-101 | Existing Roof Framing Plans | | 9/8/2026 |
| S-102 | Existing Mezzanine Framing Plans | | 9/8/2026 |
| S-200 | Elevations | | 9/8/2026 |
| S-300 | Typical Foundation Details | | 9/8/2026 |
| S-301 | Typical Framing Details | | 9/8/2026 |
| S-400 | Sections | | 9/8/2026 |

M E P DRAWINGS

| SHEET # | SHEET TITLE | REV. | DATE |
|---|---|---|---|
| | | | |
| E-001 | Electrical General Notes | | 9/8/2026 |
| E-101 | Electrical Plan | | 9/8/2026 |
| E-201 | Panelboard Schedules | | 9/8/2026 |
| E-202 | One-Line Diagram | | 9/8/2026 |
| E-203 | Fire Alarm Riser | | 9/8/2026 |
| E-301 | Electrical Specifications | | 9/8/2026 |
| E-302 | Electrical Specifications | | 9/8/2026 |
| M-001 | Mechanical General Notes | | 9/8/2026 |
| M-101 | Mechanical Plan | | 9/8/2026 |
| M-201 | Plumbing Plan | | 9/8/2026 |
| M-301 | Mechanical Details & Schedules | | 9/8/2026 |
| M-401 | Mechanical Specifications | | 9/8/2026 |
| M-402 | Mechanical Specifications | | 9/8/2026 |

Riverside Market

New Orleans, LA

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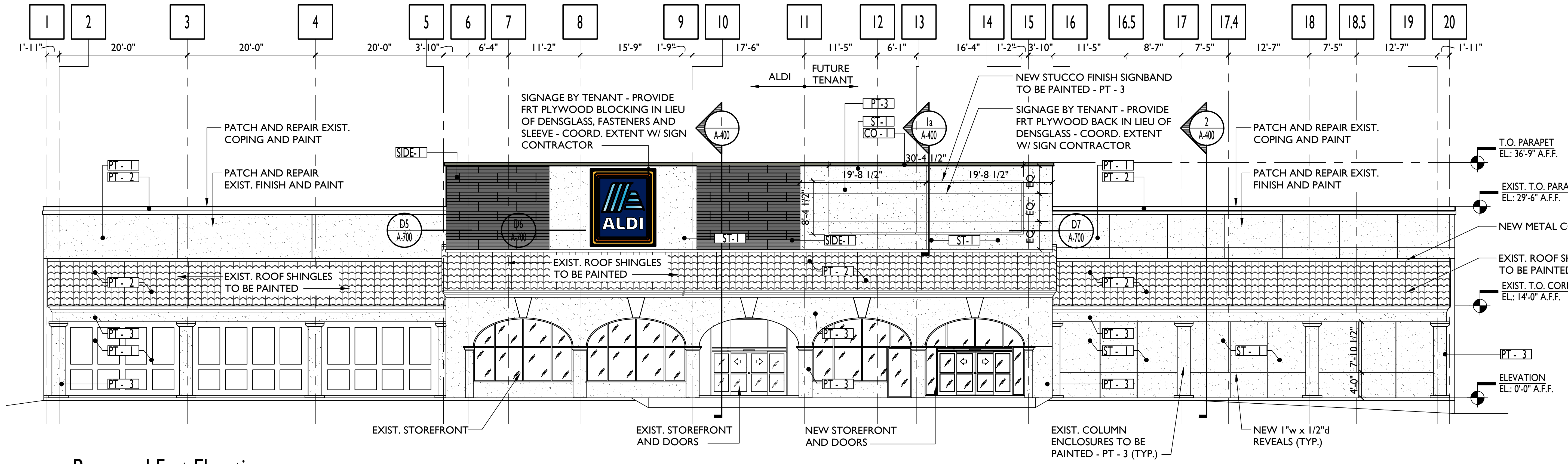
FRANK J CAMPIONE
REG. NO 9673
LICENSE # 9673
EXP. 12/31/26

Cover Sheet

2525A CS-1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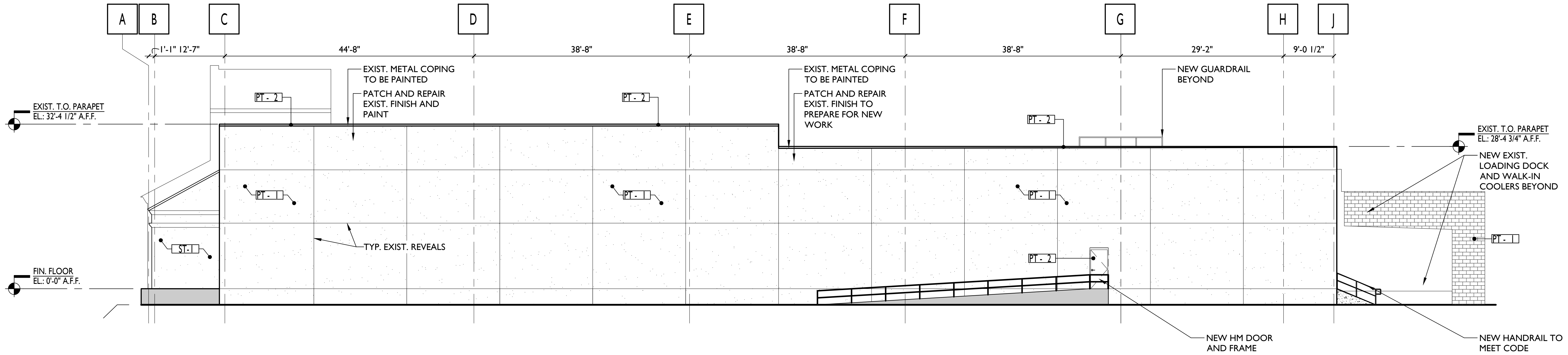
11'-5"
6'-1"
16'-4"
1'-2"
3'-10"
11'-5"
8'-7"
7'-5"
12'-7"
7'-5"
12'-7"
1'-11"
ALDI
FUTURE TENANT
SIGNAGE BY TENANT - PROVIDE FRT PLYWOOD BLOCKING IN LIEU OF DENSGLASS, FASTENERS AND SLEEVE - COORD. EXTENT W/ SIGN CONTRACTOR
PATCH AND REPAIR EXIST. COPING AND PAINT
PATCH AND REPAIR EXIST. FINISH AND PAINT
SIDE-1
PT - 1
PT - 2
PT - 3
ST-1
CO - 1
PT-3
D5 A-700
D6 A-700
D7 A-700
1 A-400
1a A-400
2 A-400
ALDI
8'-4 1/2"
30'-4 1/2"
19'-8 1/2"
19'-8 1/2"
EQ.
EQ.
EQ.
EXIST. ROOF SHINGLES TO BE PAINTED
EXIST. ROOF SHINGLES TO BE PAINTED
NEW STUCCO FINISH SIGNBAND TO BE PAINTED - PT - 3
SIGNAGE BY TENANT - PROVIDE FRT PLYWOOD BACK IN LIEU OF DENSGLASS - COORD. EXTENT W/ SIGN CONTRACTOR
PATCH AND REPAIR EXIST. COPING AND PAINT
PATCH AND REPAIR EXIST. FINISH AND PAINT
T.O. PARAPET EL.: 36'-9" A.F.F.
EXIST. T.O. PARAPET EL.: 29'-6" A.F.F.
NEW METAL COPING
EXIST. ROOF SHINGLES TO BE PAINTED
EXIST. T.O. CORNICE EL.: 14'-0" A.F.F.
ELEVATION EL.: 0'-0" A.F.F.
7'-10 1/2"
4'-0"
EXIST. STOREFRONT
EXIST. STOREFRONT AND DOORS
NEW STOREFRONT AND DOORS
EXIST. COLUMN ENCLOSURES TO BE PAINTED - PT - 3 (TYP.)
NEW 1"w x 1/2"d REVEALS (TYP.)

## 1 Proposed East Elevation

SCALE: 3/32" = 1'-0"


A
B
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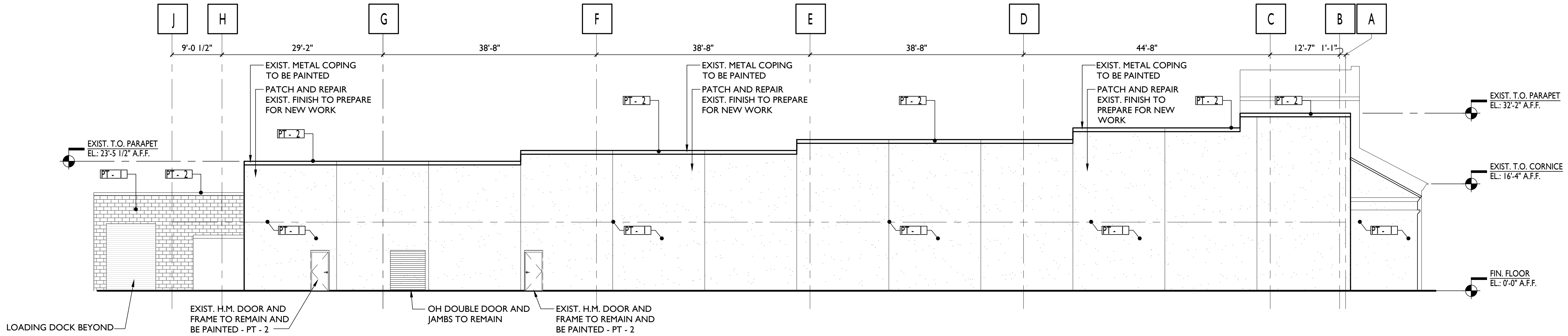
D
E
F
G
H
J
1'-1"
12'-7"
44'-8"
38'-8"
38'-8"
38'-8"
29'-2"
9'-0 1/2"
EXIST. T.O. PARAPET EL.: 32'-4 1/2" A.F.F.
PT - 2
EXIST. METAL COPING TO BE PAINTED
PATCH AND REPAIR EXIST. FINISH AND PAINT
EXIST. METAL COPING TO BE PAINTED
PATCH AND REPAIR EXIST. FINISH TO PREPARE FOR NEW WORK
NEW GUARDRAIL BEYOND
EXIST. T.O. PARAPET EL.: 28'-4 3/4" A.F.F.
NEW EXIST. LOADING DOCK AND WALK-IN COOLERS BEYOND
PT - 1
ST-1
TYP. EXIST. REVEALS
FIN. FLOOR EL.: 0'-0" A.F.F.
NEW HM DOOR AND FRAME
NEW HANDRAIL TO MEET CODE

## 2 Proposed North Elevation

SCALE: 3/32" = 1'-0"


J
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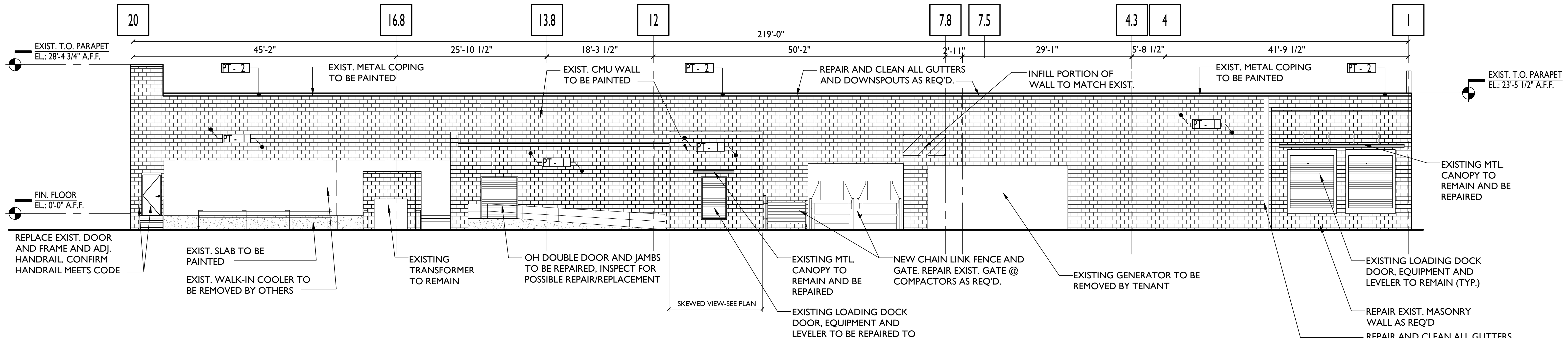
A
9'-0 1/2"
29'-2"
38'-8"
38'-8"
38'-8"
44'-8"
12'-7"
1'-1"
EXIST. METAL COPING TO BE PAINTED
PATCH AND REPAIR EXIST. FINISH TO PREPARE FOR NEW WORK
EXIST. METAL COPING TO BE PAINTED
PATCH AND REPAIR EXIST. FINISH TO PREPARE FOR NEW WORK
EXIST. METAL COPING TO BE PAINTED
PATCH AND REPAIR EXIST. FINISH TO PREPARE FOR NEW WORK
PT - 2
PT - 1
EXIST. T.O. PARAPET EL.: 32'-2" A.F.F.
EXIST. T.O PARAPET EL.: 23'-5 1/2" A.F.F.
EXIST. T.O. CORNICE EL.: 16'-4" A.F.F.
FIN. FLOOR EL.: 0'-0" A.F.F.
LOADING DOCK BEYOND
EXIST. H.M. DOOR AND FRAME TO REMAIN AND BE PAINTED - PT - 2
OH DOUBLE DOOR AND JAMBS TO REMAIN
EXIST. H.M. DOOR AND FRAME TO REMAIN AND BE PAINTED - PT - 2

## 3 Proposed South Elevation

SCALE: 3/32" = 1'-0"


20
16.8
13.8
12
7.8
7.5
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4
1
219'-0"
45'-2"
25'-10 1/2"
18'-3 1/2"
50'-2"
2'-11"
29'-1"
5'-8 1/2"
41'-9 1/2"
EXIST. T.O. PARAPET EL.: 28'-4 3/4" A.F.F.
PT - 2
PT - 1
EXIST. METAL COPING TO BE PAINTED
EXIST. CMU WALL TO BE PAINTED
REPAIR AND CLEAN ALL GUTTERS AND DOWNSPOUTS AS REQ'D.
INFILL PORTION OF WALL TO MATCH EXIST.
EXIST. METAL COPING TO BE PAINTED
EXIST. T.O. PARAPET EL.: 23'-5 1/2" A.F.F.
FIN. FLOOR EL.: 0'-0" A.F.F.
EXISTING MTL. CANOPY TO REMAIN AND BE REPAIRED
REPLACE EXIST. DOOR AND FRAME AND ADJ. HANDRAIL. CONFIRM HANDRAIL MEETS CODE
EXIST. SLAB TO BE PAINTED
EXIST. WALK-IN COOLER TO BE REMOVED BY OTHERS
EXISTING TRANSFORMER TO REMAIN
OH DOUBLE DOOR AND JAMBS TO BE REPAIRED, INSPECT FOR POSSIBLE REPAIR/REPLACEMENT
SKEWED VIEW-SEE PLAN
EXISTING MTL. CANOPY TO REMAIN AND BE REPAIRED
EXISTING LOADING DOCK DOOR, EQUIPMENT AND LEVELER TO BE REPAIRED TO LIKE NEW CONDITION (TYP.)
NEW CHAIN LINK FENCE AND GATE. REPAIR EXIST. GATE @ COMPACTORS AS REQ'D.
EXISTING GENERATOR TO BE REMOVED BY TENANT
EXISTING LOADING DOCK DOOR, EQUIPMENT AND LEVELER TO REMAIN (TYP.)
REPAIR EXIST. MASONRY WALL AS REQ'D
REPAIR AND CLEAN ALL GUTTERS AND DOWNSPOUTS AS REQ'D.

## 4 Proposed West Elevation

SCALE: 3/32" = 1'-0"

## Material Legend

| | |
|---|---|
| ST- 1 | STUCCO FINISH - PAINTED<br>COLOR: SW 9616 'DUMPLING' |
| PT - 1 | SHERWIN WILLIAMS<br>COLOR: SW 9616 'DUMPLING' |
| PT - 2 | SHERWIN WILLIAMS<br>COLOR: SW 7674 'PEPPERCORN' |
| PT - 3 | SHERWIN WILLIAMS<br>COLOR: SW 7757 'HIGH REFLECTIVE WHITE' |
| SIDE-1 | NICHIHA -<br>VINTAGE WOOD - COLOR: CEDAR (12" WIDE) |
| CO - 1 | ATAS -<br>COLOR TO MATCH SW 7674 'PEPPERCORN' |

NOTES:

1. ARCHITECT TO CONFIRM COLOR AND FINISH PRIOR TO FABRICATION

2. 12" x 12" SAMPLES MUST BE SUBMITTED TO ARCHITECT OF ALL EXTERIOR MATERIALS (EIFS, BRICK VENEER, PAINT, PRECAST, COPING/METAL AND CLAPBOARD). ADDITIONALLY, FIELD MOCK-UP REQ'D.

NOTE: ALL DIMENSIONS & CONDITIONS SHOWN ARE BASED ON EXISTING DWGS. & ARCH. FIELD VERIFIED OBSERVATIONS & MUST BE CONFIRMED BY GC PRIOR TO STARTING ANY WORK.

Riverside Market

New Orleans, LA

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Woodcliff Lake, NJ 07677

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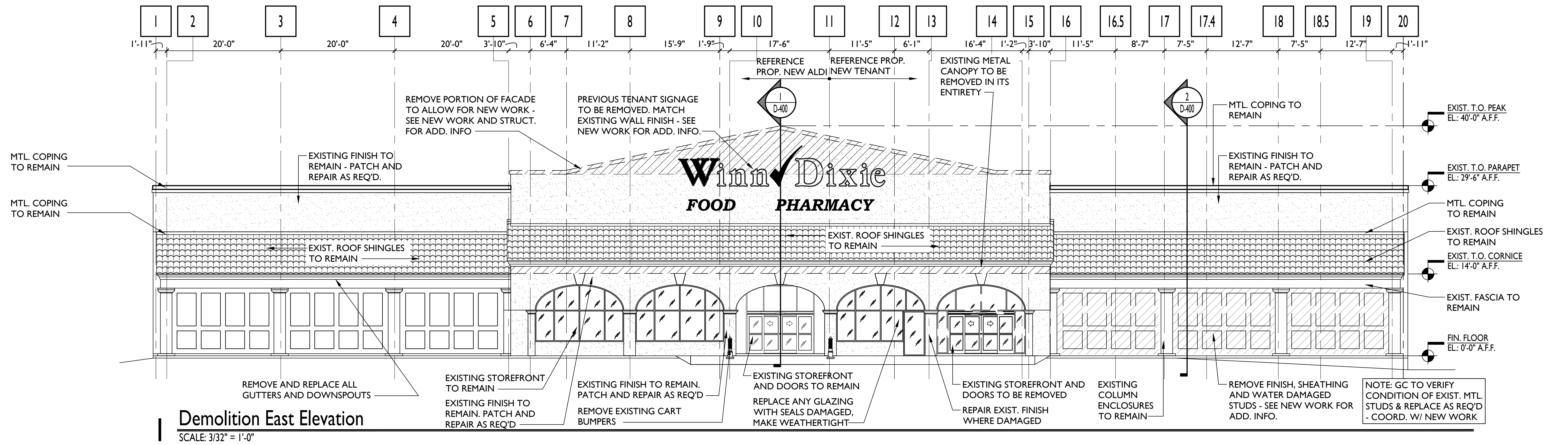
FRANK J CAMPIONE
REG. NO 9673
LICENSE # 9673
EXP 12/31/26

Proposed Elevations

2525A A-200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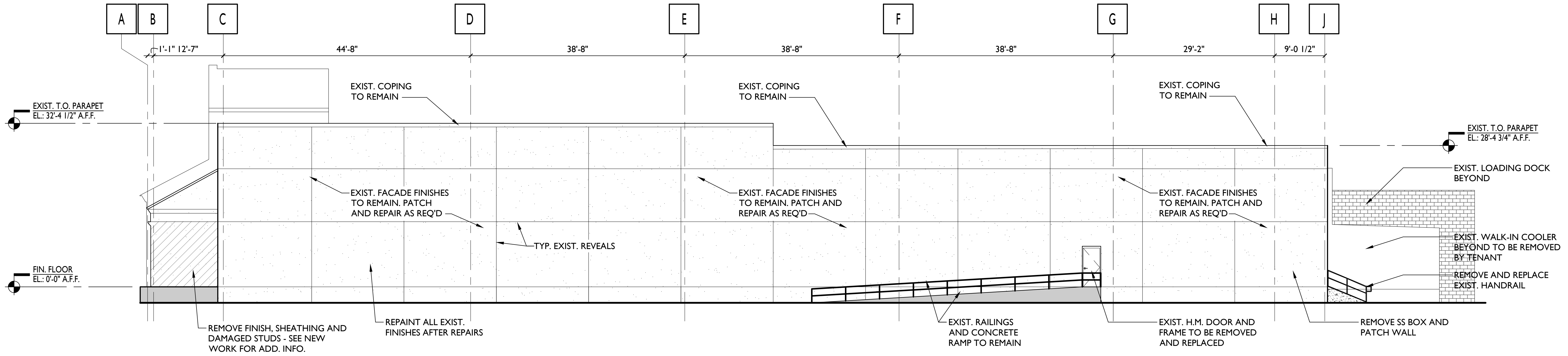
12'-7"
7'-5"
12'-7"
1'-11"
REFERENCE PROP. NEW ALDI
REFERENCE PROP. NEW TENANT
1 D-400
2 D-400
EXISTING METAL CANOPY TO BE REMOVED IN ITS ENTIRETY
REMOVE PORTION OF FACADE TO ALLOW FOR NEW WORK - SEE NEW WORK AND STRUCT. FOR ADD. INFO
PREVIOUS TENANT SIGNAGE TO BE REMOVED. MATCH EXISTING WALL FINISH - SEE NEW WORK FOR ADD. INFO.
MTL. COPING TO REMAIN
MTL. COPING TO REMAIN
EXISTING FINISH TO REMAIN - PATCH AND REPAIR AS REQ'D.
Winn Dixie
FOOD PHARMACY
EXIST. ROOF SHINGLES TO REMAIN
EXIST. ROOF SHINGLES TO REMAIN
MTL. COPING TO REMAIN
EXISTING FINISH TO REMAIN - PATCH AND REPAIR AS REQ'D.
EXIST. T.O. PEAK EL.: 40'-0" A.F.F.
EXIST. T.O. PARAPET EL.: 29'-6" A.F.F.
MTL. COPING TO REMAIN
EXIST. ROOF SHINGLES TO REMAIN
EXIST. T.O. CORNICE EL.: 14'-0" A.F.F.
EXIST. FASCIA TO REMAIN
FIN. FLOOR EL.: 0'-0" A.F.F.
REMOVE AND REPLACE ALL GUTTERS AND DOWNSPOUTS
EXISTING STOREFRONT TO REMAIN
EXISTING FINISH TO REMAIN. PATCH AND REPAIR AS REQ'D
EXISTING FINISH TO REMAIN. PATCH AND REPAIR AS REQ'D
REMOVE EXISTING CART BUMPERS
EXISTING STOREFRONT AND DOORS TO REMAIN
REPLACE ANY GLAZING WITH SEALS DAMAGED, MAKE WEATHERTIGHT
EXISTING STOREFRONT AND DOORS TO BE REMOVED
REPAIR EXIST. FINISH WHERE DAMAGED
EXISTING COLUMN ENCLOSURES TO REMAIN
REMOVE FINISH, SHEATHING AND WATER DAMAGED STUDS - SEE NEW WORK FOR ADD. INFO.
NOTE: GC TO VERIFY CONDITION OF EXIST. MTL. STUDS & REPLACE AS REQ'D - COORD. W/ NEW WORK

1 **Demolition East Elevation**
SCALE: 3/32" = 1'-0"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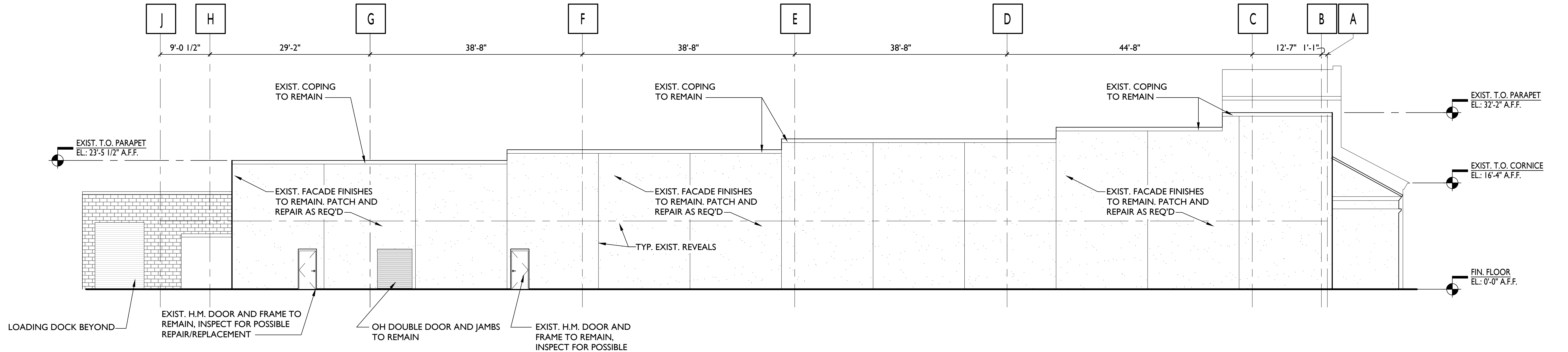
1'-1"
12'-7"
44'-8"
38'-8"
38'-8"
38'-8"
29'-2"
9'-0 1/2"
EXIST. T.O. PARAPET EL.: 32'-4 1/2" A.F.F.
EXIST. COPING TO REMAIN
EXIST. COPING TO REMAIN
EXIST. COPING TO REMAIN
EXIST. T.O. PARAPET EL.: 28'-4 3/4" A.F.F.
EXIST. LOADING DOCK BEYOND
EXIST. FACADE FINISHES TO REMAIN. PATCH AND REPAIR AS REQ'D
EXIST. FACADE FINISHES TO REMAIN. PATCH AND REPAIR AS REQ'D
EXIST. FACADE FINISHES TO REMAIN. PATCH AND REPAIR AS REQ'D
TYP. EXIST. REVEALS
EXIST. WALK-IN COOLER BEYOND TO BE REMOVED BY TENANT
REMOVE AND REPLACE EXIST. HANDRAIL
FIN. FLOOR EL.: 0'-0" A.F.F.
REMOVE FINISH, SHEATHING AND DAMAGED STUDS - SEE NEW WORK FOR ADD. INFO.
REPAINT ALL EXIST. FINISHES AFTER REPAIRS
EXIST. RAILINGS AND CONCRETE RAMP TO REMAIN
EXIST. H.M. DOOR AND FRAME TO BE REMOVED AND REPLACED
REMOVE SS BOX AND PATCH WALL

2 **Demolition North Elevation**
SCALE: 3/32" = 1'-0"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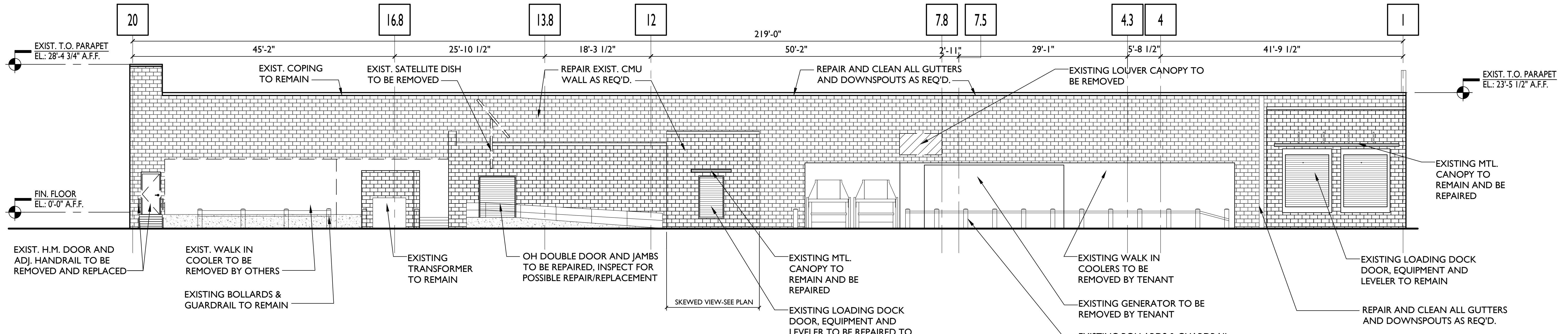
29'-2"
38'-8"
38'-8"
38'-8"
44'-8"
12'-7"
1'-1"
EXIST. COPING TO REMAIN
EXIST. COPING TO REMAIN
EXIST. COPING TO REMAIN
EXIST. T.O. PARAPET EL.: 32'-2" A.F.F.
EXIST. T.O. PARAPET EL.: 23'-5 1/2" A.F.F.
EXIST. T.O. CORNICE EL.: 16'-4" A.F.F.
EXIST. FACADE FINISHES TO REMAIN. PATCH AND REPAIR AS REQ'D
EXIST. FACADE FINISHES TO REMAIN. PATCH AND REPAIR AS REQ'D
EXIST. FACADE FINISHES TO REMAIN. PATCH AND REPAIR AS REQ'D
TYP. EXIST. REVEALS
FIN. FLOOR EL.: 0'-0" A.F.F.
LOADING DOCK BEYOND
EXIST. H.M. DOOR AND FRAME TO REMAIN, INSPECT FOR POSSIBLE REPAIR/REPLACEMENT
OH DOUBLE DOOR AND JAMBS TO REMAIN
EXIST. H.M. DOOR AND FRAME TO REMAIN, INSPECT FOR POSSIBLE REPAIR/REPLACEMENT

3 **Demolition South Elevation**
SCALE: 3/32" = 1'-0"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219'-0"
45'-2"
25'-10 1/2"
18'-3 1/2"
50'-2"
2'-11"
29'-1"
5'-8 1/2"
41'-9 1/2"
EXIST. T.O. PARAPET EL.: 28'-4 3/4" A.F.F.
EXIST. COPING TO REMAIN
EXIST. SATELLITE DISH TO BE REMOVED
REPAIR EXIST. CMU WALL AS REQ'D.
REPAIR AND CLEAN ALL GUTTERS AND DOWNSPOUTS AS REQ'D.
EXISTING LOUVER CANOPY TO BE REMOVED
EXIST. T.O. PARAPET EL.: 23'-5 1/2" A.F.F.
EXISTING MTL. CANOPY TO REMAIN AND BE REPAIRED
FIN. FLOOR EL.: 0'-0" A.F.F.
EXIST. H.M. DOOR AND ADJ. HANDRAIL TO BE REMOVED AND REPLACED
EXIST. WALK IN COOLER TO BE REMOVED BY OTHERS
EXISTING BOLLARDS & GUARDRAIL TO REMAIN
EXISTING TRANSFORMER TO REMAIN
OH DOUBLE DOOR AND JAMBS TO BE REPAIRED, INSPECT FOR POSSIBLE REPAIR/REPLACEMENT
SKEWED VIEW-SEE PLAN
EXISTING MTL. CANOPY TO REMAIN AND BE REPAIRED
EXISTING LOADING DOCK DOOR, EQUIPMENT AND LEVELER TO BE REPAIRED TO LIKE NEW CONDITION (TYP.)
EXISTING WALK IN COOLERS TO BE REMOVED BY TENANT
EXISTING GENERATOR TO BE REMOVED BY TENANT
EXISTING BOLLARDS & GUARDRAIL TO BE REMOVED BY TENANT
EXISTING LOADING DOCK DOOR, EQUIPMENT AND LEVELER TO REMAIN
REPAIR AND CLEAN ALL GUTTERS AND DOWNSPOUTS AS REQ'D.

4 **Demolition West Elevation**
SCALE: 3/32" = 1'-0"

NOTE: ALL DIMENSIONS & CONDITIONS SHOWN ARE BASED ON EXISTING DWGS. & ARCH. FIELD VERIFIED OBSERVATIONS & MUST BE CONFIRMED BY GC PRIOR TO STARTING ANY WORK.

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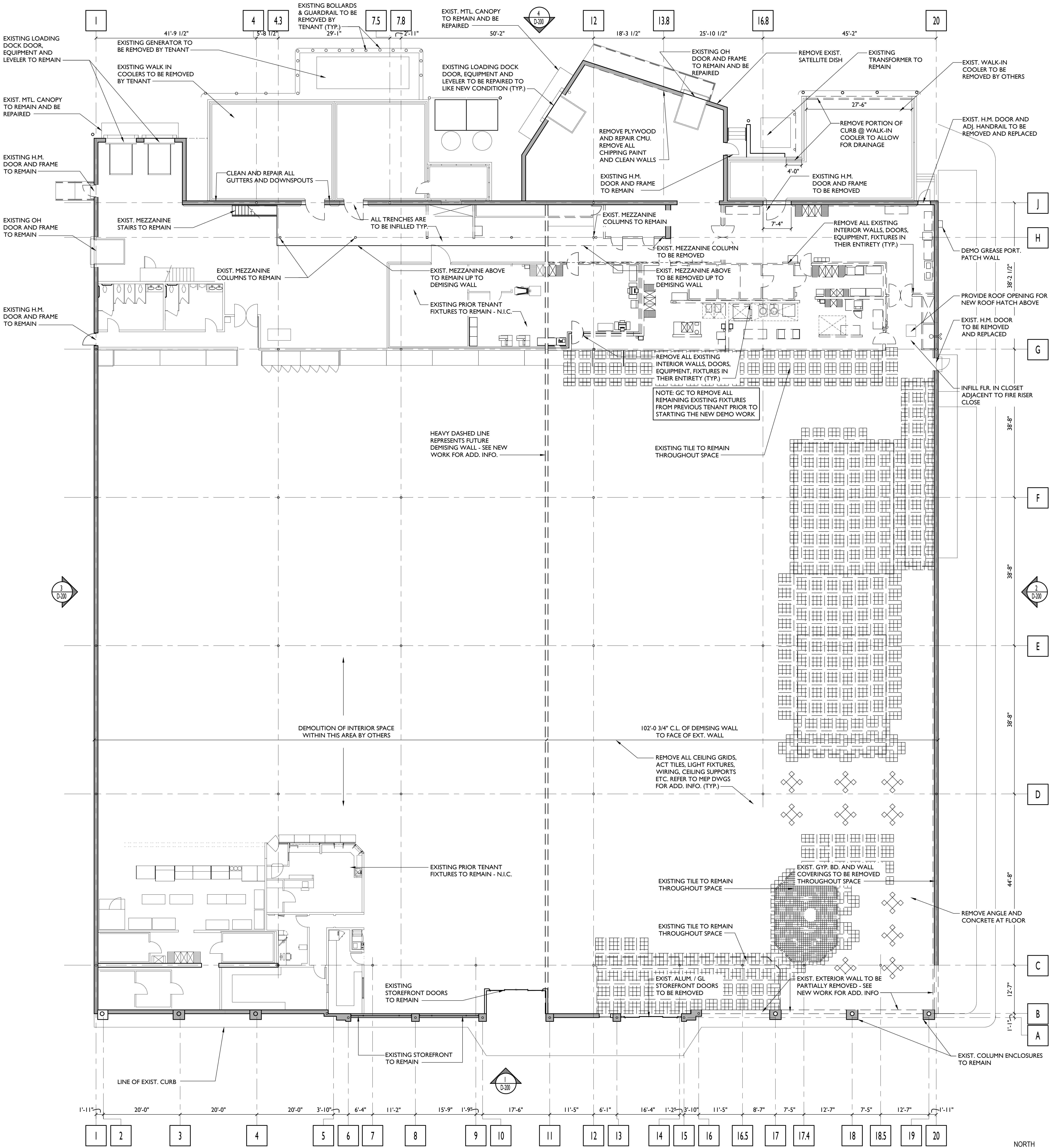
FRANK J CAMPIONE
REG. NO 9673
STATE OF LOUISIANA REGISTERED ARCHITECT
LICENSE # [illegible]
EXP. 12/31/26

Demolition Elevations

2525A D-200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D-200
12
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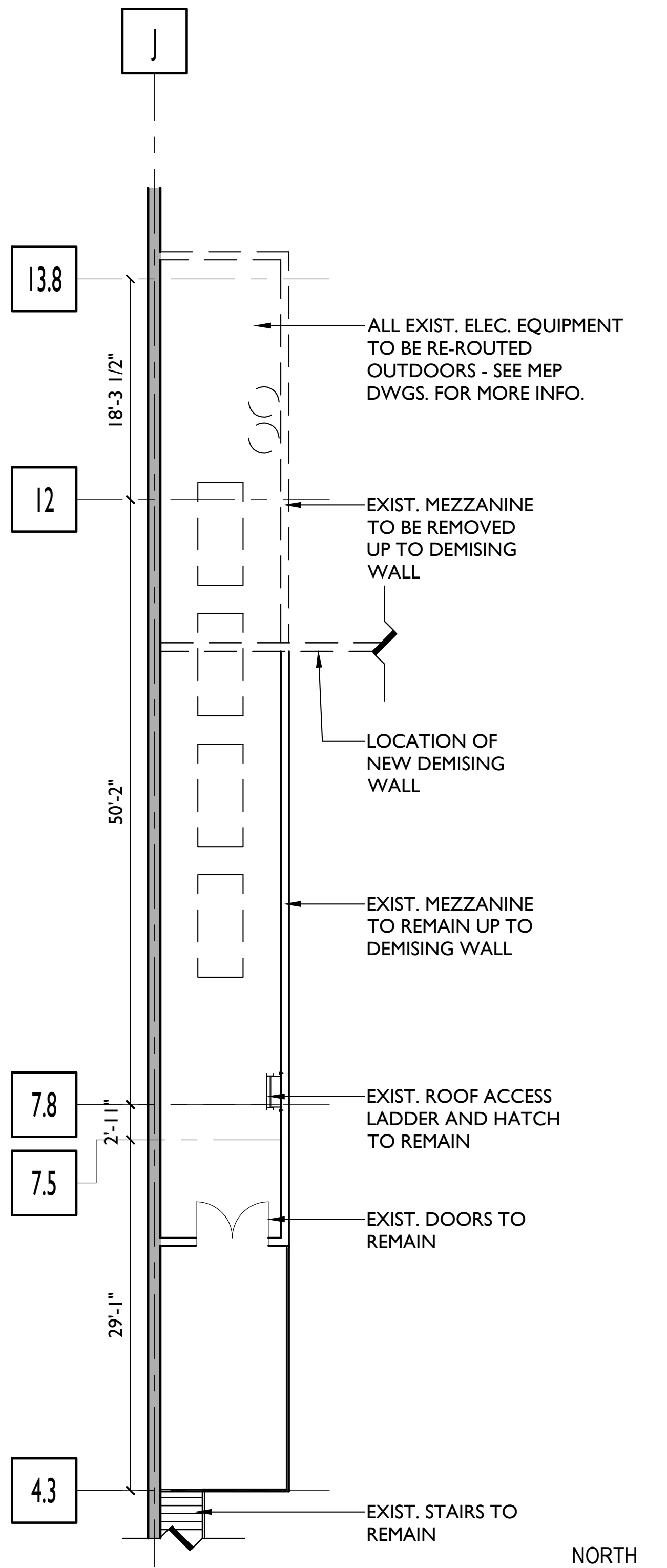
41'-9 1/2"
5'-8 1/2"
29'-1"
2'-11"
50'-2"
18'-3 1/2"
25'-10 1/2"
45'-2"
EXISTING LOADING DOCK DOOR, EQUIPMENT AND LEVELER TO REMAIN
EXISTING GENERATOR TO BE REMOVED BY TENANT
EXISTING BOLLARDS & GUARDRAIL TO BE REMOVED BY TENANT (TYP.)
EXIST. MTL. CANOPY TO REMAIN AND BE REPAIRED
EXISTING WALK IN COOLERS TO BE REMOVED BY TENANT
EXISTING LOADING DOCK DOOR, EQUIPMENT AND LEVELER TO BE REPAIRED TO LIKE NEW CONDITION (TYP.)
EXIST. MTL. CANOPY TO REMAIN AND BE REPAIRED
EXISTING H.M. DOOR AND FRAME TO REMAIN
CLEAN AND REPAIR ALL GUTTERS AND DOWNSPOUTS
EXISTING OH DOOR AND FRAME TO REMAIN
EXIST. MEZZANINE STAIRS TO REMAIN
ALL TRENCHES ARE TO BE INFILLED TYP.
EXIST. MEZZANINE COLUMNS TO REMAIN
EXIST. MEZZANINE ABOVE TO REMAIN UP TO DEMISING WALL
EXISTING PRIOR TENANT FIXTURES TO REMAIN - N.I.C.
EXISTING H.M. DOOR AND FRAME TO REMAIN
EXISTING OH DOOR AND FRAME TO REMAIN AND BE REPAIRED
REMOVE EXIST. SATELLITE DISH
EXISTING TRANSFORMER TO REMAIN
EXIST. WALK-IN COOLER TO BE REMOVED BY OTHERS
27'-6"
REMOVE PORTION OF CURB @ WALK-IN COOLER TO ALLOW FOR DRAINAGE
EXIST. H.M. DOOR AND ADJ. HANDRAIL TO BE REMOVED AND REPLACED
REMOVE PLYWOOD AND REPAIR CMU. REMOVE ALL CHIPPING PAINT AND CLEAN WALLS
EXISTING H.M. DOOR AND FRAME TO REMAIN
4'-0"
EXISTING H.M. DOOR AND FRAME TO BE REMOVED
7'-4"
J
H
EXIST. MEZZANINE COLUMNS TO REMAIN
EXIST. MEZZANINE COLUMN TO BE REMOVED
REMOVE ALL EXISTING INTERIOR WALLS, DOORS, EQUIPMENT, FIXTURES IN THEIR ENTIRETY (TYP.)
DEMO GREASE PORT. PATCH WALL
EXIST. MEZZANINE ABOVE TO BE REMOVED UP TO DEMISING WALL
38'-2 1/2"
PROVIDE ROOF OPENING FOR NEW ROOF HATCH ABOVE
EXIST. H.M. DOOR TO BE REMOVED AND REPLACED
G
REMOVE ALL EXISTING INTERIOR WALLS, DOORS, EQUIPMENT, FIXTURES IN THEIR ENTIRETY (TYP.)
INFILL FLR. IN CLOSET ADJACENT TO FIRE RISER CLOSE
NOTE: GC TO REMOVE ALL REMAINING EXISTING FIXTURES FROM PREVIOUS TENANT PRIOR TO STARTING THE NEW DEMO WORK
38'-8"
HEAVY DASHED LINE REPRESENTS FUTURE DEMISING WALL - SEE NEW WORK FOR ADD. INFO.
EXISTING TILE TO REMAIN THROUGHOUT SPACE
F
3
D-200
38'-8"
2
D-200
E
38'-8"
DEMOLITION OF INTERIOR SPACE WITHIN THIS AREA BY OTHERS
102'-0 3/4" C.L. OF DEMISING WALL TO FACE OF EXT. WALL
REMOVE ALL CEILING GRIDS, ACT TILES, LIGHT FIXTURES, WIRING, CEILING SUPPORTS ETC. REFER TO MEP DWGS FOR ADD. INFO. (TYP.)
D
EXISTING PRIOR TENANT FIXTURES TO REMAIN - N.I.C.
EXISTING TILE TO REMAIN THROUGHOUT SPACE
EXIST. GYP. BD. AND WALL COVERINGS TO BE REMOVED THROUGHOUT SPACE
44'-8"
REMOVE ANGLE AND CONCRETE AT FLOOR
EXISTING TILE TO REMAIN THROUGHOUT SPACE
C
EXISTING STOREFRONT DOORS TO REMAIN
EXIST. ALUM. / GL STOREFRONT DOORS TO BE REMOVED
EXIST. EXTERIOR WALL TO BE PARTIALLY REMOVED - SEE NEW WORK FOR ADD. INFO
12'-7"
B
1'-1"
A
EXISTING STOREFRONT TO REMAIN
EXIST. COLUMN ENCLOSURES TO REMAIN
LINE OF EXIST. CURB
1
D-200
1'-11"
20'-0"
20'-0"
20'-0"
3'-10"
6'-4"
11'-2"
15'-9"
1'-9"
17'-6"
11'-5"
6'-1"
16'-4"
1'-2"
3'-10"
11'-5"
8'-7"
7'-5"
12'-7"
7'-5"
12'-7"
1'-11"
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
16.5
17
17.4
18
18.5
19
20

1 Demolition Floor Plan
SCALE: 3/32" = 1'-0"

NORTH

## Demolition Notes:

1. ALL MECHANICAL AND ELECTRICAL SYSTEMS THAT ARE TO BE RETAINED ARE TO BE SHUT OFF AND CAPPED AT ALL POINTS FOR PROTECTION OF PROPERTY AND ALL PARTIES CONCERNED.
2. ALL DEMOLITION WORK IS TO BE DONE IN ACCORDANCE WITH ALL OSHA REGULATIONS, AND ANY / ALL LOCAL RULES AND REGULATIONS HAVING JURISDICTION OVER SAID PROJECT.
3. COORDINATE THE REMOVAL OF ANY / ALL WORK WITH THE PROPOSED WORK TO BE CONSTRUCTED AS PART OF THE PROPOSED RENOVATIONS.
4. DEMOLITION CONTRACTOR IS FULLY RESPONSIBLE FOR SEQUENCING OF SHOWN ITEMS REMOVAL AND PROPERTY PROTECTION FROM WEATHER AND VANDAL DAMAGE.
5. WHEREVER REMOVAL STATES "AS TO ALLOW FOR NEW", REFER TO PROPOSED CONSTRUCTION DRAWINGS (BOTH ARCHITECTURAL AND ENGINEERING) FOR EXTENT OF NEW WORK AND ACTUAL DEMOLITION REQUIREMENTS.
6. PROTECTION FROM WEATHER, WIND, WATER, ETC. ARE THE RESPONSIBILITY OF THE DEMOLITION CONTRACTOR.
7. REMOVAL OF ALL EXISTING LAY-IN CEILING AND GYP. BD., LIGHTING FIXTURES AND RELATED EQUIPMENT ARE APPLICABLE TO THE SCOPE OF WORK MUST BE COORDINATED WITH ELECTRICAL CONTRACTOR.
8. NO WORK IS TO PROCEED UNTIL OWNER APPROVAL OF DEMOLITION WORK HAS BEEN SECURED.
9. PATCHING AND REPAIRING OF EXISTING AREAS TO REMAIN IS INCLUDED AS PART OF THIS DIVISION'S WORK.
10. REMOVAL OF CEILINGS AT ALL LOCATIONS TO ALLOW FOR NEW CEILINGS AND RELATING BRACING AND BLOCKING IS INCLUDED WITHIN THE SCOPE OF WORK COORDINATE WITH ELECTRICAL AND G.C. FOR ACCURATE LOCATIONS.
11. STORAGE OF SALVAGED EXISTING MATERIALS TO BE RE-USED SHALL BE ON-SITE IN AN AREA AS DESIGNATED BY OWNER. ALL OTHER MATERIALS SHALL BE REMOVED FROM PREMISES. DISPOSAL OF ALL DEMOLITION MATERIAL IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
12. ALL AREAS AFTER DEMOLITION ARE TO BE LEFT "BROOM CLEAN" AND IN AREAS OF PUBLIC ACCESS "MOPPED CLEAN" BY THE DEMOLITION CONTRACTOR. NO SURFACE DUST IS ALLOWED TO ACCUMULATE DURING AND AT THE END OF EACH DAY WHICH MAY BE A HAZARD TO THE GENERAL PUBLIC.
13. GENERAL CONTRACTOR, DEMOLITION CONTRACTOR AND RELATED TRADES SHALL BE AWARE THAT ADDITIONAL DEMOLITION WORK IS NOTED THROUGHOUT THE CONSTRUCTION DOCUMENTS AS IT PERTAINS TO THAT PARTICULAR AREA OF WORK. AS SUCH DEMOLITION CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AS TO ALL WORK INCLUDED IN CONTRACT DOCUMENTS TO BE CONSIDERED WITHIN THE SCOPE OF WORK TO BE PERFORMED.
14. LANDLORD GC SHALL COMPLETE THE FOLLOWING: (A) THE REMOVAL AND DISPOSAL OF ALL INTERIOR WALLS, CEILINGS, PIPING, DUCTWORK, FIXTURES, EQUIPMENT (INCLUDING WITHOUT LIMITATION, ANY HVAC UNITS), VENTS, SATELLITE DISHES AND OTHER SYSTEMS OR COMPONENTS THEREOF THAT WILL NOT BE REUSED BY TENANT PURSUANT TO TENANT'S FINAL PLANS; (B) THE REMOVAL AND CAPPING PER CODE BELOW SLAB OF ALL ABANDONED UTILITIES BACK TO THEIR SOURCE IF THEY WILL NOT BE REUSED BY TENANT PURSUANT TO TENANT'S FINAL PLANS; (C) THE REMOVAL AND DISPOSAL OF ALL EXISTING FLOOR MATERIALS (INCLUDING, WITHOUT LIMITATION, ALL CARPETING, TILE AND/OR OTHER FLOOR COVERING) TO THE CONCRETE FLOOR SLAB; (D) ALL WORK NECESSARY TO MAKE THE CONCRETE FLOOR SLAB SMOOTH WITH NO VISIBLE CRACKS OR BLEMISHES, BROOM CLEAN AND READY TO ACCEPT TENANT'S FINISHES (INCLUDING, WITHOUT LIMITATION, PERFORMING ANY BEAD BLASTING); AND (E) THE CLOSING IN ACCORDANCE WITH APPLICABLE CODE OF ANY PENETRATIONS ( INCLUDING, WITHOUT LIMITATION, ANY ROOF PENETRATIONS, WHETHER SUCH PENETRATIONS WERE EXISTING OR RESULTED FROM THE REMOVAL AND DISPOSAL OF ANY ITEM THAT IS PART OF LANDLORD'S DEMOLITION WORK, INCLUDING, WITHOUT LIMITATION, CLOSING ANY PENETRATIONS RESULTING FROM THE REMOVAL OF ANY HVAC UNIT).


J
13.8
18'-3 1/2"
ALL EXIST. ELEC. EQUIPMENT TO BE RE-ROUTED OUTDOORS - SEE MEP DWGS. FOR MORE INFO.
12
EXIST. MEZZANINE TO BE REMOVED UP TO DEMISING WALL
LOCATION OF NEW DEMISING WALL
50'-2"
EXIST. MEZZANINE TO REMAIN UP TO DEMISING WALL
7.8
EXIST. ROOF ACCESS LADDER AND HATCH TO REMAIN
2'-11"
7.5
EXIST. DOORS TO REMAIN
29'-1"
4.3
EXIST. STAIRS TO REMAIN

2 Demolition Mezzanine Plan
SCALE: 3/32" = 1'-0"

NORTH

NOTE: ALL DIMENSIONS & CONDITIONS SHOWN ARE BASED ON EXISTING DWGS. & ARCH. FIELD VERIFIED OBSERVATIONS & MUST BE CONFIRMED BY GC PRIOR TO STARTING ANY WORK.

# Riverside Market

New Orleans, LA

CREATE
ARCHITECTURE PLANNING & DESIGN PLLC

45 West 34th Street
Penthouse
New York, NY 10001

Phone: (212) 297-0880
createworldwide.com

Owner / Developer:
Aub Properties Inc.
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
Richfield, OH 44286

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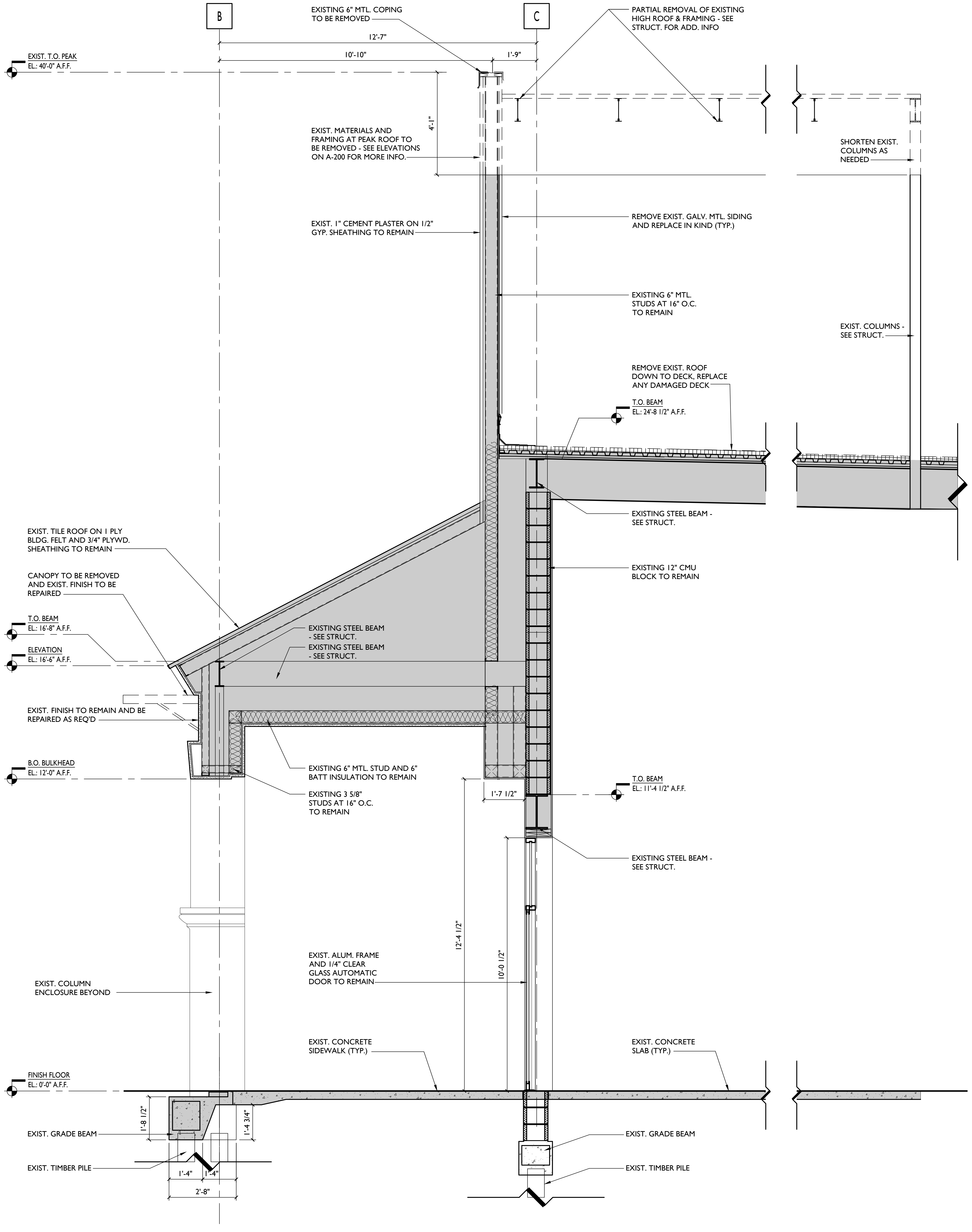
FRANK J CAMPIONE
REG. NO 9673
LICENSE # 9673
EXP. 12/31/26

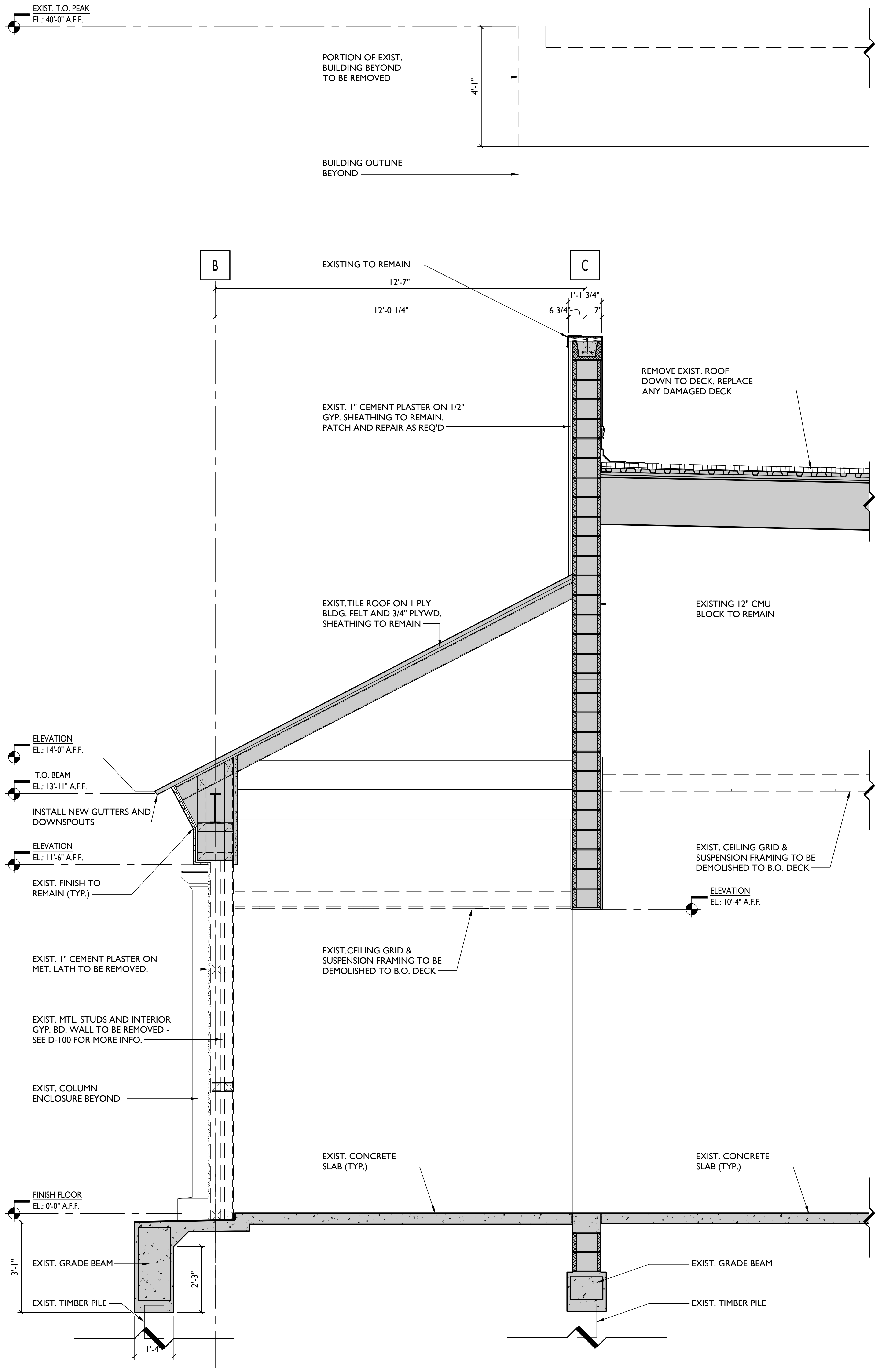
Demolition Floor Plan

2525A D-100

NOTE: ALL DIMENSIONS & CONDITIONS SHOWN ARE BASED ON EXISTING DWGS. & ARCH. FIELD VERIFIED OBSERVATIONS & MUST BE CONFIRMED BY GC PRIOR TO STARTING ANY WORK.


B
C
EXISTING 6" MTL. COPING TO BE REMOVED
PARTIAL REMOVAL OF EXISTING HIGH ROOF & FRAMING - SEE STRUCT. FOR ADD. INFO
12'-7"
10'-10"
1'-9"
EXIST. T.O. PEAK
EL: 40'-0" A.F.F.
4'-1"
EXIST. MATERIALS AND FRAMING AT PEAK ROOF TO BE REMOVED - SEE ELEVATIONS ON A-200 FOR MORE INFO.
SHORTEN EXIST. COLUMNS AS NEEDED
EXIST. 1" CEMENT PLASTER ON 1/2" GYP. SHEATHING TO REMAIN
REMOVE EXIST. GALV. MTL. SIDING AND REPLACE IN KIND (TYP.)
EXISTING 6" MTL. STUDS AT 16" O.C. TO REMAIN
EXIST. COLUMNS - SEE STRUCT.
REMOVE EXIST. ROOF DOWN TO DECK, REPLACE ANY DAMAGED DECK
T.O. BEAM
EL: 24'-8 1/2" A.F.F.
EXISTING STEEL BEAM - SEE STRUCT.
EXISTING 12" CMU BLOCK TO REMAIN
EXIST. TILE ROOF ON 1 PLY BLDG. FELT AND 3/4" PLYWD. SHEATHING TO REMAIN
CANOPY TO BE REMOVED AND EXIST. FINISH TO BE REPAIRED
T.O. BEAM
EL: 16'-8" A.F.F.
ELEVATION
EL: 16'-6" A.F.F.
EXISTING STEEL BEAM - SEE STRUCT.
EXISTING STEEL BEAM - SEE STRUCT.
EXIST. FINISH TO REMAIN AND BE REPAIRED AS REQ'D
B.O. BULKHEAD
EL: 12'-0" A.F.F.
EXISTING 6" MTL. STUD AND 6" BATT INSULATION TO REMAIN
EXISTING 3 5/8" STUDS AT 16" O.C. TO REMAIN
1'-7 1/2"
T.O. BEAM
EL: 11'-4 1/2" A.F.F.
EXISTING STEEL BEAM - SEE STRUCT.
12'-4 1/2"
10'-0 1/2"
EXIST. ALUM. FRAME AND 1/4" CLEAR GLASS AUTOMATIC DOOR TO REMAIN
EXIST. COLUMN ENCLOSURE BEYOND
EXIST. CONCRETE SIDEWALK (TYP.)
EXIST. CONCRETE SLAB (TYP.)
FINISH FLOOR
EL: 0'-0" A.F.F.
1'-8 1/2"
1'-4 3/4"
EXIST. GRADE BEAM
EXIST. TIMBER PILE
1'-4"
1'-4"
2'-8"
EXIST. GRADE BEAM
EXIST. TIMBER PILE

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


EXIST. T.O. PEAK
EL: 40'-0" A.F.F.
PORTION OF EXIST. BUILDING BEYOND TO BE REMOVED
4'-1"
BUILDING OUTLINE BEYOND
B
C
EXISTING TO REMAIN
12'-7"
1'-1 3/4"
12'-0 1/4"
6 3/4"
7"
EXIST. 1" CEMENT PLASTER ON 1/2" GYP. SHEATHING TO REMAIN. PATCH AND REPAIR AS REQ'D
REMOVE EXIST. ROOF DOWN TO DECK, REPLACE ANY DAMAGED DECK
EXIST.TILE ROOF ON 1 PLY BLDG. FELT AND 3/4" PLYWD. SHEATHING TO REMAIN
EXISTING 12" CMU BLOCK TO REMAIN
ELEVATION
EL: 14'-0" A.F.F.
T.O. BEAM
EL: 13'-11" A.F.F.
INSTALL NEW GUTTERS AND DOWNSPOUTS
ELEVATION
EL: 11'-6" A.F.F.
EXIST. CEILING GRID & SUSPENSION FRAMING TO BE DEMOLISHED TO B.O. DECK
EXIST. FINISH TO REMAIN (TYP.)
ELEVATION
EL: 10'-4" A.F.F.
EXIST.CEILING GRID & SUSPENSION FRAMING TO BE DEMOLISHED TO B.O. DECK
EXIST. 1" CEMENT PLASTER ON MET. LATH TO BE REMOVED.
EXIST. MTL. STUDS AND INTERIOR GYP. BD. WALL TO BE REMOVED - SEE D-100 FOR MORE INFO.
EXIST. COLUMN ENCLOSURE BEYOND
EXIST. CONCRETE SLAB (TYP.)
EXIST. CONCRETE SLAB (TYP.)
FINISH FLOOR
EL: 0'-0" A.F.F.
EXIST. GRADE BEAM
3'-1"
2'-3"
EXIST. TIMBER PILE
1'-4"
EXIST. GRADE BEAM
EXIST. TIMBER PILE

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

## Riverside Market

New Orleans, LA

**CREATE**
ARCHITECTURE PLANNING & DESIGN PLLC

45 West 34th Street
Penthouse
New York, NY 10001

Phone: (212) 297-0880
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Aub Properties Inc.
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
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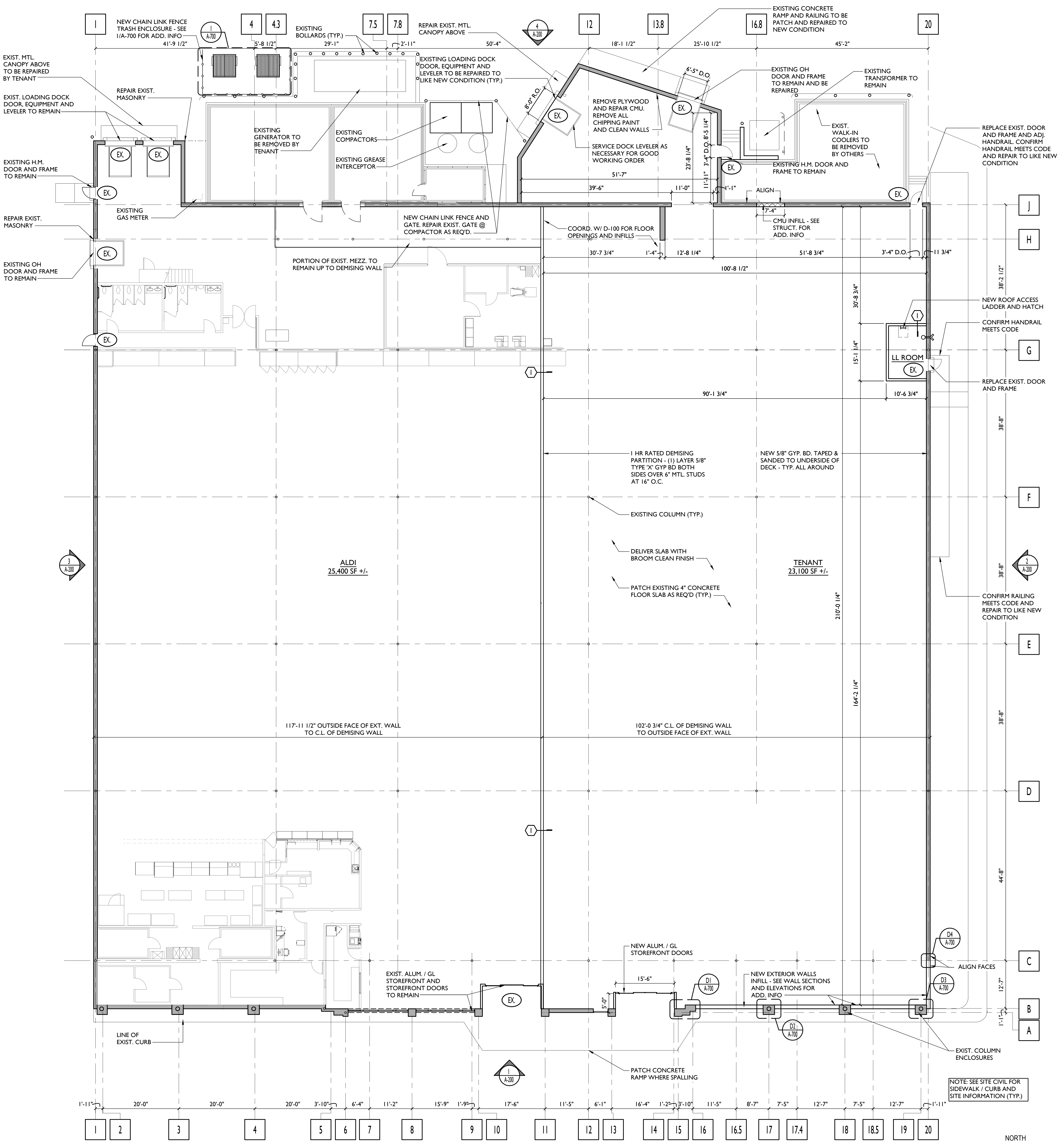
FRANK J CAMPIONE
REG. NO 9673
STATE OF LOUISIANA
REGISTERED ARCHITECT
LICENSE # 9673
EXP. 12/31/26

Demolition Wall Sections

2525A D-400


1
4
4.3
7.5
7.8
12
13.8
16.8
20
4 A-200
1 A-700
NEW CHAIN LINK FENCE TRASH ENCLOSURE - SEE 1/A-700 FOR ADD. INFO
41'-9 1/2"
5'-8 1/2"
29'-1"
2'-11"
50'-4"
18'-1 1/2"
25'-10 1/2"
45'-2"
EXISTING BOLLARDS (TYP.)
REPAIR EXIST. MTL. CANOPY ABOVE
EXISTING CONCRETE RAMP AND RAILING TO BE PATCH AND REPAIRED TO NEW CONDITION
EXIST. MTL. CANOPY ABOVE TO BE REPAIRED BY TENANT
EXISTING LOADING DOCK DOOR, EQUIPMENT AND LEVELER TO BE REPAIRED TO LIKE NEW CONDITION (TYP.)
REPAIR EXIST. MASONRY
EXIST. LOADING DOCK DOOR, EQUIPMENT AND LEVELER TO REMAIN
EXISTING GENERATOR TO BE REMOVED BY TENANT
EXISTING COMPACTORS
EXISTING GREASE INTERCEPTOR
8'-0" R.O.
6'-5" D.O.
REMOVE PLYWOOD AND REPAIR CMU. REMOVE ALL CHIPPING PAINT AND CLEAN WALLS
SERVICE DOCK LEVELER AS NECESSARY FOR GOOD WORKING ORDER
EXISTING OH DOOR AND FRAME TO REMAIN AND BE REPAIRED
EXISTING TRANSFORMER TO REMAIN
EXIST. WALK-IN COOLERS TO BE REMOVED BY OTHERS
EXISTING H.M. DOOR AND FRAME TO REMAIN
REPLACE EXIST. DOOR AND FRAME AND ADJ. HANDRAIL. CONFIRM HANDRAIL MEETS CODE AND REPAIR TO LIKE NEW CONDITION
EX.
EXISTING H.M. DOOR AND FRAME TO REMAIN
EXISTING GAS METER
REPAIR EXIST. MASONRY
EXISTING OH DOOR AND FRAME TO REMAIN
51'-7"
39'-6"
11'-0"
1'-1"
23'-8 1/4"
3'-4" D.O.
8'-5 1/4"
11'-11"
ALIGN
7'-4"
CMU INFILL - SEE STRUCT. FOR ADD. INFO
NEW CHAIN LINK FENCE AND GATE. REPAIR EXIST. GATE @ COMPACTOR AS REQ'D.
COORD. W/ D-100 FOR FLOOR OPENINGS AND INFILLS
PORTION OF EXIST. MEZZ. TO REMAIN UP TO DEMISING WALL
30'-7 3/4"
1'-4"
12'-8 1/4"
51'-8 3/4"
3'-4" D.O.
11 3/4"
100'-8 1/2"
J
H
G
F
E
D
C
B
A
38'-2 1/2"
30'-8 3/4"
15'-1 1/4"
NEW ROOF ACCESS LADDER AND HATCH
CONFIRM HANDRAIL MEETS CODE
LL ROOM
REPLACE EXIST. DOOR AND FRAME
90'-1 3/4"
10'-6 3/4"
38'-8"
1 HR RATED DEMISING PARTITION - (1) LAYER 5/8" TYPE 'X' GYP BD BOTH SIDES OVER 6" MTL. STUDS AT 16" O.C.
NEW 5/8" GYP. BD. TAPED & SANDED TO UNDERSIDE OF DECK - TYP. ALL AROUND
EXISTING COLUMN (TYP.)
DELIVER SLAB WITH BROOM CLEAN FINISH
PATCH EXISTING 4" CONCRETE FLOOR SLAB AS REQ'D (TYP.)
3 A-200
2 A-200
ALDI
25,400 SF +/-
TENANT
23,100 SF +/-
CONFIRM RAILING MEETS CODE AND REPAIR TO LIKE NEW CONDITION
210'-0 1/4"
164'-2 1/4"
117'-11 1/2" OUTSIDE FACE OF EXT. WALL TO C.L. OF DEMISING WALL
102'-0 3/4" C.L. OF DEMISING WALL TO OUTSIDE FACE OF EXT. WALL
44'-8"
12'-7"
1'-1"
D4 A-700
ALIGN FACES
NEW ALUM. / GL STOREFRONT DOORS
15'-6"
5'-0"
EXIST. ALUM. / GL STOREFRONT AND STOREFRONT DOORS TO REMAIN
NEW EXTERIOR WALLS INFILL - SEE WALL SECTIONS AND ELEVATIONS FOR ADD. INFO
D1 A-700
D3 A-700
D2 A-700
LINE OF EXIST. CURB
EXIST. COLUMN ENCLOSURES
PATCH CONCRETE RAMP WHERE SPALLING
1 A-200
1'-11"
20'-0"
20'-0"
20'-0"
3'-10"
6'-4"
11'-2"
15'-9"
1'-9"
17'-6"
11'-5"
6'-1"
16'-4"
1'-2"
3'-10"
11'-5"
8'-7"
7'-5"
12'-7"
7'-5"
12'-7"
1'-11"
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16.5
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17.4
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18.5
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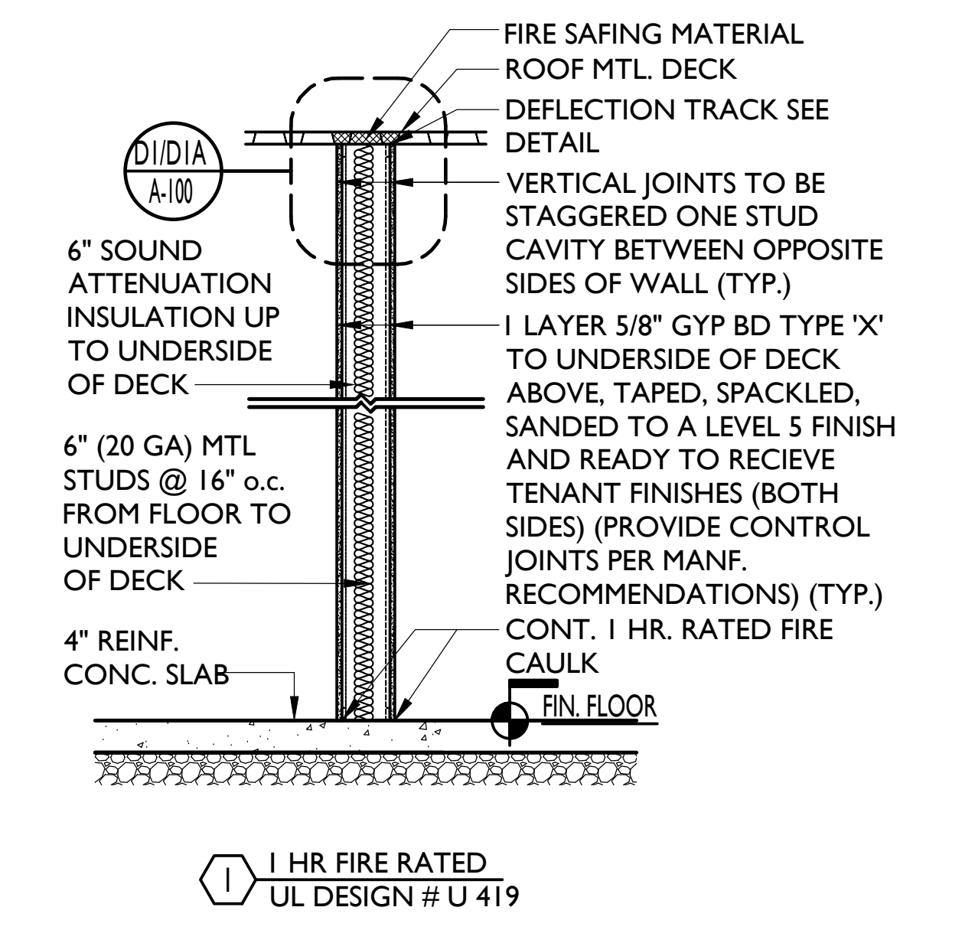
NORTH

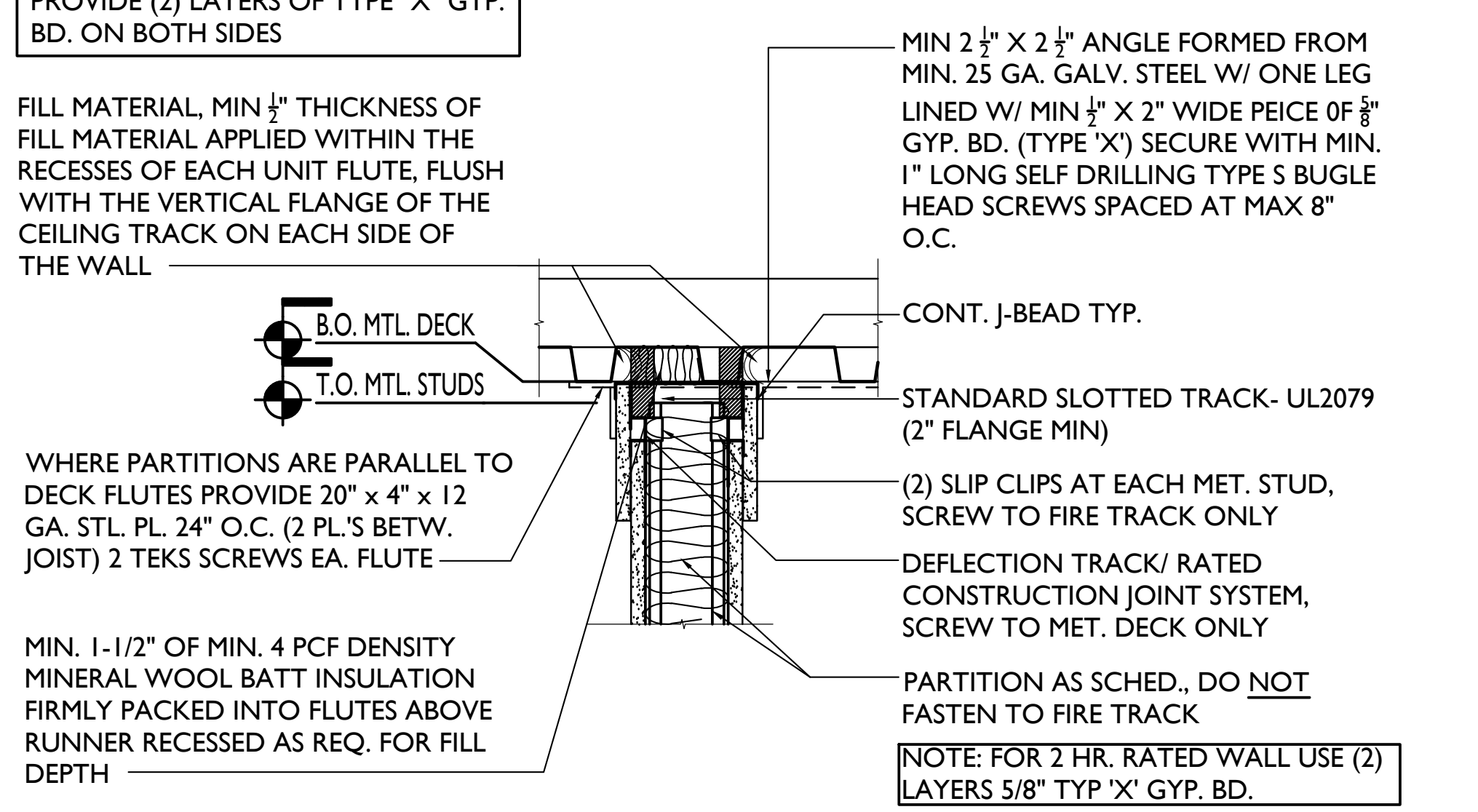
NOTE: SEE SITE CIVIL FOR SIDEWALK / CURB AND SITE INFORMATION (TYP.)

## 1 Proposed Floor Plan
SCALE: 3/32" = 1'-0"


FIRE SAFING MATERIAL
ROOF MTL. DECK
DEFLECTION TRACK SEE DETAIL
D1/D1A A-100
VERTICAL JOINTS TO BE STAGGERED ONE STUD CAVITY BETWEEN OPPOSITE SIDES OF WALL (TYP.)
6" SOUND ATTENUATION INSULATION UP TO UNDERSIDE OF DECK
1 LAYER 5/8" GYP BD TYPE 'X' TO UNDERSIDE OF DECK ABOVE, TAPED, SPACKLED, SANDED TO A LEVEL 5 FINISH AND READY TO RECIEVE TENANT FINISHES (BOTH SIDES) (PROVIDE CONTROL JOINTS PER MANF. RECOMMENDATIONS) (TYP.)
6" (20 GA) MTL STUDS @ 16" o.c. FROM FLOOR TO UNDERSIDE OF DECK
4" REINF. CONC. SLAB
CONT. 1 HR. RATED FIRE CAULK
FIN. FLOOR
1
1 HR FIRE RATED
UL DESIGN # U 419

## 2 Wall Types
SCALE: 1/2" = 1'-0"

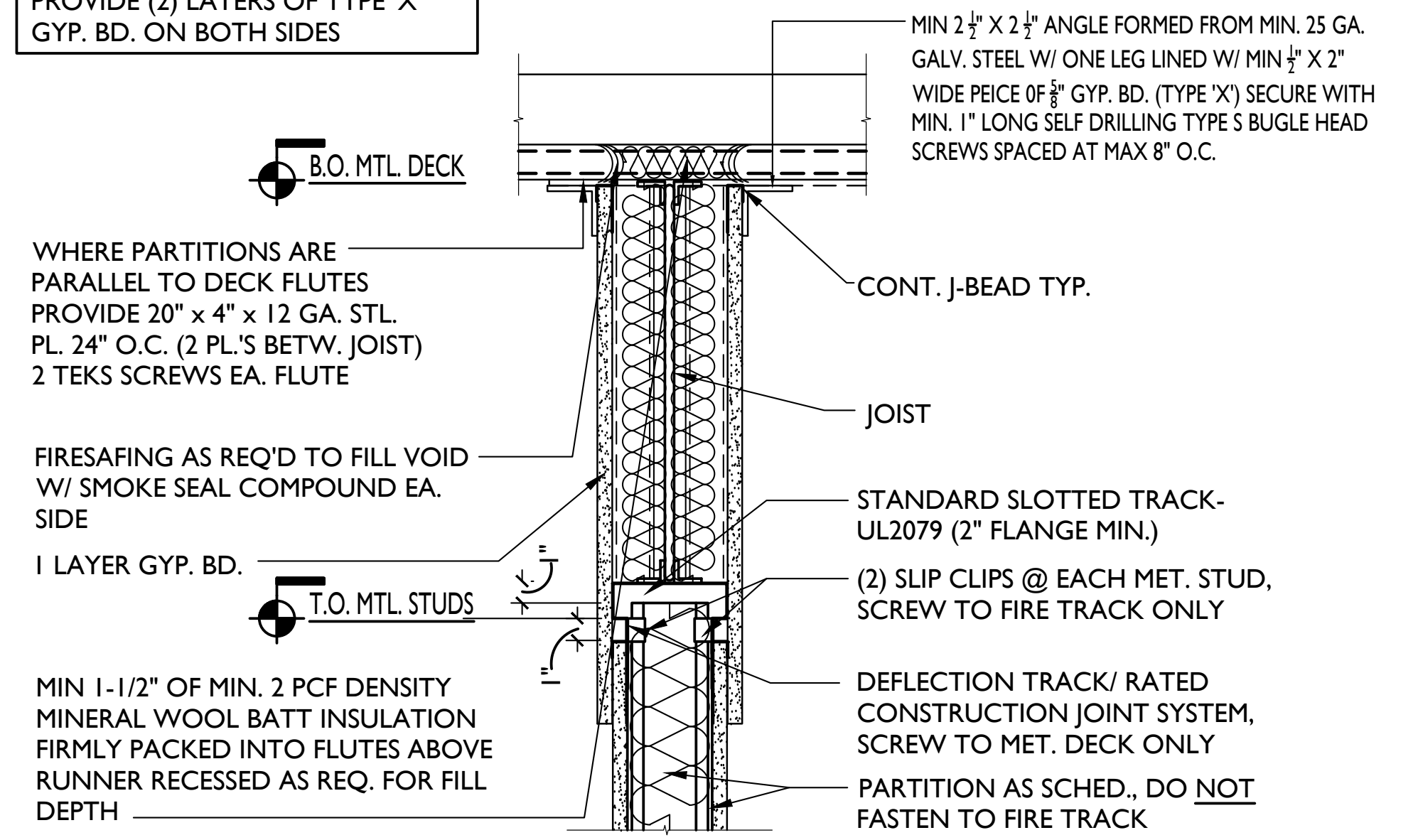
UL 2070 AND SYSTEM HW-D-0001
*NOTE FOR 2 HR RATED ASSEMBLY PROVIDE (2) LAYERS OF TYPE "X" GYP. BD. ON BOTH SIDES


FILL MATERIAL, MIN 1/2" THICKNESS OF FILL MATERIAL APPLIED WITHIN THE RECESSES OF EACH UNIT FLUTE, FLUSH WITH THE VERTICAL FLANGE OF THE CEILING TRACK ON EACH SIDE OF THE WALL
MIN 2 1/2" X 2 1/2" ANGLE FORMED FROM MIN. 25 GA. GALV. STEEL W/ ONE LEG LINED W/ MIN 1/2" X 2" WIDE PEICE 0F 5/8" GYP. BD. (TYPE 'X') SECURE WITH MIN. 1" LONG SELF DRILLING TYPE S BUGLE HEAD SCREWS SPACED AT MAX 8" O.C.
CONT. J-BEAD TYP.
B.O. MTL. DECK
T.O. MTL. STUDS
STANDARD SLOTTED TRACK- UL2079 (2" FLANGE MIN)
WHERE PARTITIONS ARE PARALLEL TO DECK FLUTES PROVIDE 20" x 4" x 12 GA. STL. PL. 24" O.C. (2 PL.'S BETW. JOIST) 2 TEKS SCREWS EA. FLUTE
(2) SLIP CLIPS AT EACH MET. STUD, SCREW TO FIRE TRACK ONLY
DEFLECTION TRACK/ RATED CONSTRUCTION JOINT SYSTEM, SCREW TO MET. DECK ONLY
MIN. 1-1/2" OF MIN. 4 PCF DENSITY MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO FLUTES ABOVE RUNNER RECESSED AS REQ. FOR FILL DEPTH
PARTITION AS SCHED., DO NOT FASTEN TO FIRE TRACK

NOTE: FOR 2 HR. RATED WALL USE (2) LAYERS 5/8" TYP 'X' GYP. BD.

## D1 1 Hr. Rated Deflection Partition Section
SCALE: 1-1/2"= 1'-0"

UL2070 AND SYSTEM HW-D-0001
*NOTE: FOR 2 HR RATED ASSEMBLY PROVIDE (2) LAYERS OF TYPE 'X' GYP. BD. ON BOTH SIDES


MIN 2 1/2" X 2 1/2" ANGLE FORMED FROM MIN. 25 GA. GALV. STEEL W/ ONE LEG LINED W/ MIN 1/2" X 2" WIDE PEICE 0F 5/8" GYP. BD. (TYPE 'X') SECURE WITH MIN. 1" LONG SELF DRILLING TYPE S BUGLE HEAD SCREWS SPACED AT MAX 8" O.C.
B.O. MTL. DECK
WHERE PARTITIONS ARE PARALLEL TO DECK FLUTES PROVIDE 20" x 4" x 12 GA. STL. PL. 24" O.C. (2 PL.'S BETW. JOIST) 2 TEKS SCREWS EA. FLUTE
CONT. J-BEAD TYP.
JOIST
FIRESAFING AS REQ'D TO FILL VOID W/ SMOKE SEAL COMPOUND EA. SIDE
STANDARD SLOTTED TRACK- UL2079 (2" FLANGE MIN.)
1 LAYER GYP. BD.
T.O. MTL. STUDS
(2) SLIP CLIPS @ EACH MET. STUD, SCREW TO FIRE TRACK ONLY
MIN 1-1/2" OF MIN. 2 PCF DENSITY MINERAL WOOL BATT INSULATION FIRMLY PACKED INTO FLUTES ABOVE RUNNER RECESSED AS REQ. FOR FILL DEPTH
DEFLECTION TRACK/ RATED CONSTRUCTION JOINT SYSTEM, SCREW TO MET. DECK ONLY
PARTITION AS SCHED., DO NOT FASTEN TO FIRE TRACK

NOTE: FOR 2 HR. RATED WALL USE (2) LAYERS 5/8" TYPE 'X' GYP. BD.

## D1A Rated Deflection Partition Section
SCALE: 1-1/2"= 1'-0"

NOTE: ALL DIMENSIONS & CONDITIONS SHOWN ARE BASED ON EXISTING DWGS. & ARCH. FIELD VERIFIED OBSERVATIONS & MUST BE CONFIRMED BY GC PRIOR TO STARTING ANY WORK.

**Riverside Market**

New Orleans, LA

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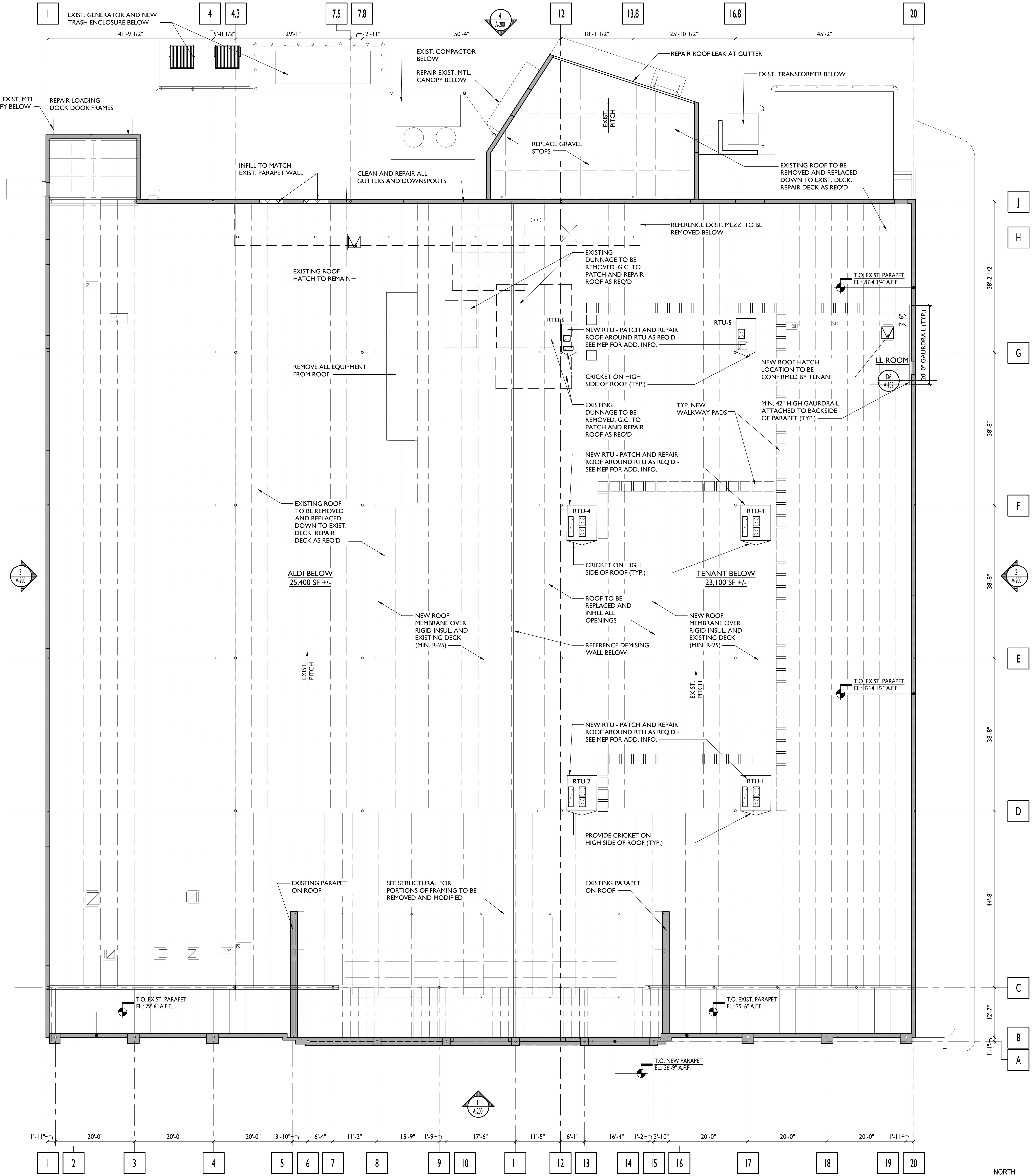
FRANK J CAMPIONE
REG. NO 9673
LICENSE # 9673
EXP. 12/31/26

Proposed Floor Plan

2525A A-100


1
4
4.3
7.5
7.8
12
13.8
16.8
20
EXIST. GENERATOR AND NEW TRASH ENCLOSURE BELOW
4 A-200
41'-9 1/2"
5'-8 1/2"
29'-1"
2'-11"
50'-4"
18'-1 1/2"
25'-10 1/2"
45'-2"
EXIST. COMPACTOR BELOW
REPAIR EXIST. MTL. CANOPY BELOW
REPAIR ROOF LEAK AT GUTTER
EXIST. TRANSFORMER BELOW
REPAIR EXIST. MTL. CANOPY BELOW
REPAIR LOADING DOCK DOOR FRAMES
EXIST. PITCH
REPLACE GRAVEL STOPS
INFILL TO MATCH EXIST. PARAPET WALL
CLEAN AND REPAIR ALL GUTTERS AND DOWNSPOUTS
EXISTING ROOF TO BE REMOVED AND REPLACED DOWN TO EXIST. DECK. REPAIR DECK AS REQ'D
REFERENCE EXIST. MEZZ. TO BE REMOVED BELOW
J
H
EXISTING ROOF HATCH TO REMAIN
EXISTING DUNNAGE TO BE REMOVED. G.C. TO PATCH AND REPAIR ROOF AS REQ'D
T.O. EXIST. PARAPET EL: 28'-4 3/4" A.F.F.
38'-2 1/2"
RTU-6
RTU-5
NEW RTU - PATCH AND REPAIR ROOF AROUND RTU AS REQ'D - SEE MEP FOR ADD. INFO.
G
REMOVE ALL EQUIPMENT FROM ROOF
NEW ROOF HATCH. LOCATION TO BE CONFIRMED BY TENANT
LL ROOM
D6 A-102
20'-0" GAURDRAIL (TYP.)
CRICKET ON HIGH SIDE OF ROOF (TYP.)
EXISTING DUNNAGE TO BE REMOVED. G.C. TO PATCH AND REPAIR ROOF AS REQ'D
TYP. NEW WALKWAY PADS
MIN. 42" HIGH GAURDRAIL ATTACHED TO BACKSIDE OF PARAPET (TYP.)
38'-8"
NEW RTU - PATCH AND REPAIR ROOF AROUND RTU AS REQ'D - SEE MEP FOR ADD. INFO.
EXISTING ROOF TO BE REMOVED AND REPLACED DOWN TO EXIST. DECK. REPAIR DECK AS REQ'D
RTU-4
RTU-3
F
3 A-200
ALDI BELOW
25,400 SF +/-
CRICKET ON HIGH SIDE OF ROOF (TYP.)
TENANT BELOW
23,100 SF +/-
2 A-200
38'-8"
ROOF TO BE REPLACED AND INFILL ALL OPENINGS
NEW ROOF MEMBRANE OVER RIGID INSUL. AND EXISTING DECK (MIN. R-25)
REFERENCE DEMISING WALL BELOW
NEW ROOF MEMBRANE OVER RIGID INSUL. AND EXISTING DECK (MIN. R-25)
E
EXIST. PITCH
T.O. EXIST. PARAPET EL: 32'-4 1/2" A.F.F.
EXIST. PITCH
38'-8"
NEW RTU - PATCH AND REPAIR ROOF AROUND RTU AS REQ'D - SEE MEP FOR ADD. INFO.
RTU-2
RTU-1
D
PROVIDE CRICKET ON HIGH SIDE OF ROOF (TYP.)
44'-8"
EXISTING PARAPET ON ROOF
SEE STRUCTURAL FOR PORTIONS OF FRAMING TO BE REMOVED AND MODIFIED
EXISTING PARAPET ON ROOF
C
T.O. EXIST. PARAPET EL: 29'-6" A.F.F.
T.O. EXIST. PARAPET EL: 29'-6" A.F.F.
12'-7"
B
1'-1"
A
T.O. NEW PARAPET EL: 36'-9" A.F.F.
1 A-200
1'-11"
20'-0"
20'-0"
20'-0"
3'-10"
6'-4"
11'-2"
15'-9"
1'-9"
17'-6"
11'-5"
6'-1"
16'-4"
1'-2"
3'-10"
20'-0"
20'-0"
20'-0"
1'-11"
1
2
3
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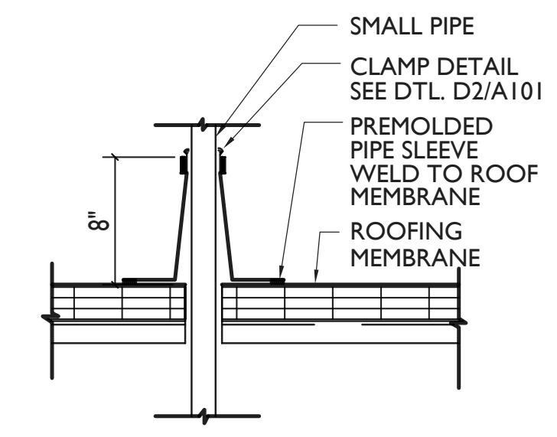
# 1 Roof Plan

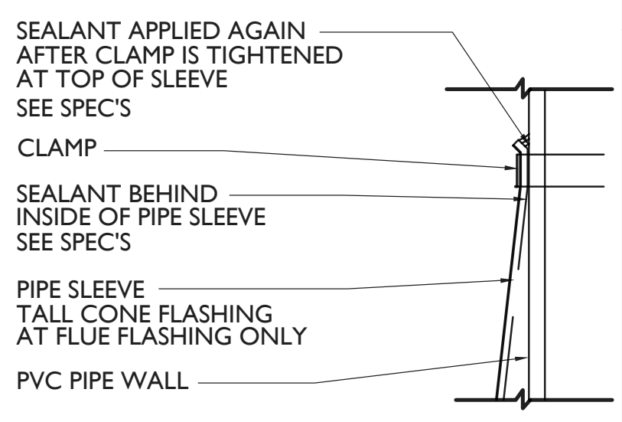
SCALE: 3/32" = 1'-0"

NORTH


SMALL PIPE
CLAMP DETAIL SEE DTL. D2/A101
PREMOLDED PIPE SLEEVE WELD TO ROOF MEMBRANE
ROOFING MEMBRANE
8"

## D1 Small Pipe Sleeve

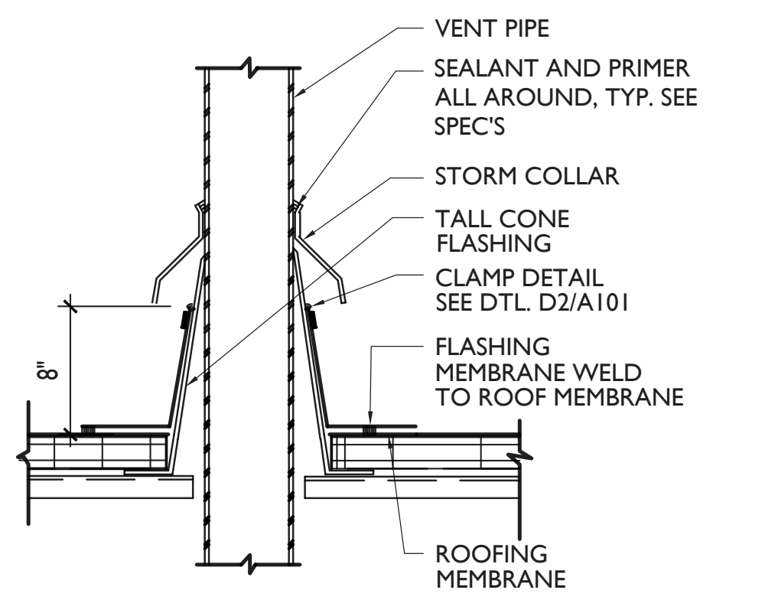
SCALE: 1" = 1'-0"


SEALANT APPLIED AGAIN AFTER CLAMP IS TIGHTENED AT TOP OF SLEEVE SEE SPEC'S
CLAMP
SEALANT BEHIND INSIDE OF PIPE SLEEVE SEE SPEC'S
PIPE SLEEVE TALL CONE FLASHING AT FLUE FLASHING ONLY
PVC PIPE WALL

## D2 Clamp Detail

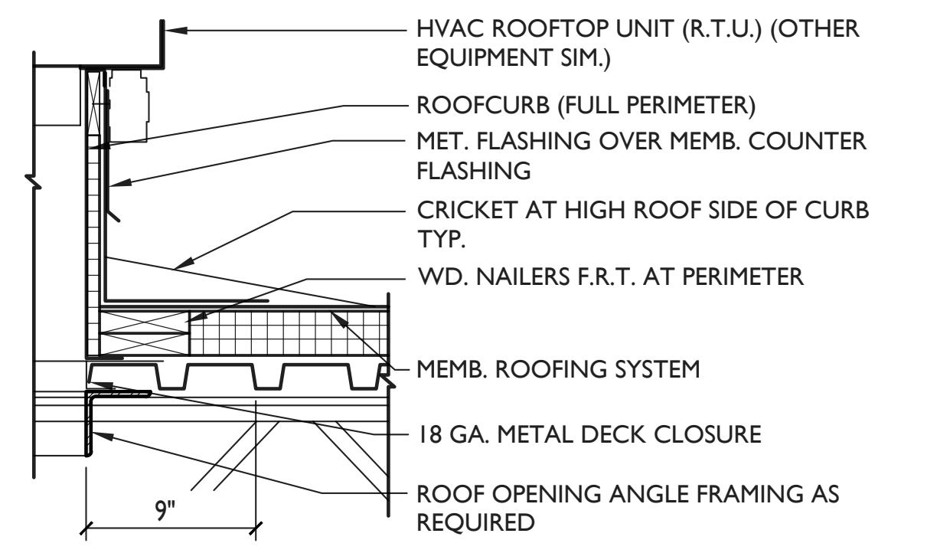
SCALE: 1" = 1'-0"

NOTE: ALL DIMENSIONS & CONDITIONS SHOWN ARE BASED ON EXISTING DWGS. & ARCH. FIELD VERIFIED OBSERVATIONS & MUST BE CONFIRMED BY GC PRIOR TO STARTING ANY WORK.


VENT PIPE
SEALANT AND PRIMER ALL AROUND, TYP. SEE SPEC'S
STORM COLLAR
TALL CONE FLASHING
CLAMP DETAIL SEE DTL. D2/A101
FLASHING MEMBRANE WELD TO ROOF MEMBRANE
ROOFING MEMBRANE
8"

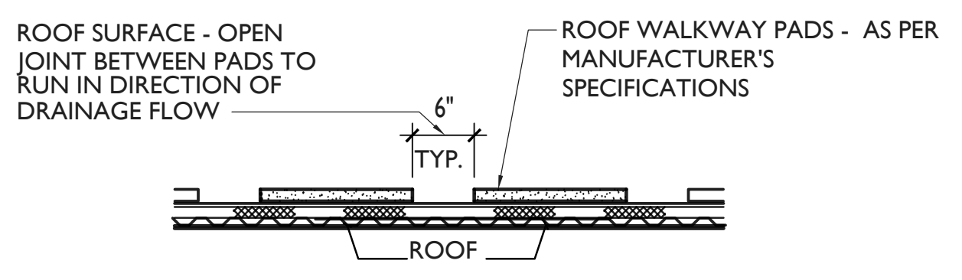
## D3 Flue Flashing

SCALE: 1" = 1'-0"


HVAC ROOFTOP UNIT (R.T.U.) (OTHER EQUIPMENT SIM.)
ROOFCURB (FULL PERIMETER)
MET. FLASHING OVER MEMB. COUNTER FLASHING
CRICKET AT HIGH ROOF SIDE OF CURB TYP.
WD. NAILERS F.R.T. AT PERIMETER
MEMB. ROOFING SYSTEM
18 GA. METAL DECK CLOSURE
ROOF OPENING ANGLE FRAMING AS REQUIRED
9"

## D4 Mech. Curb Detail

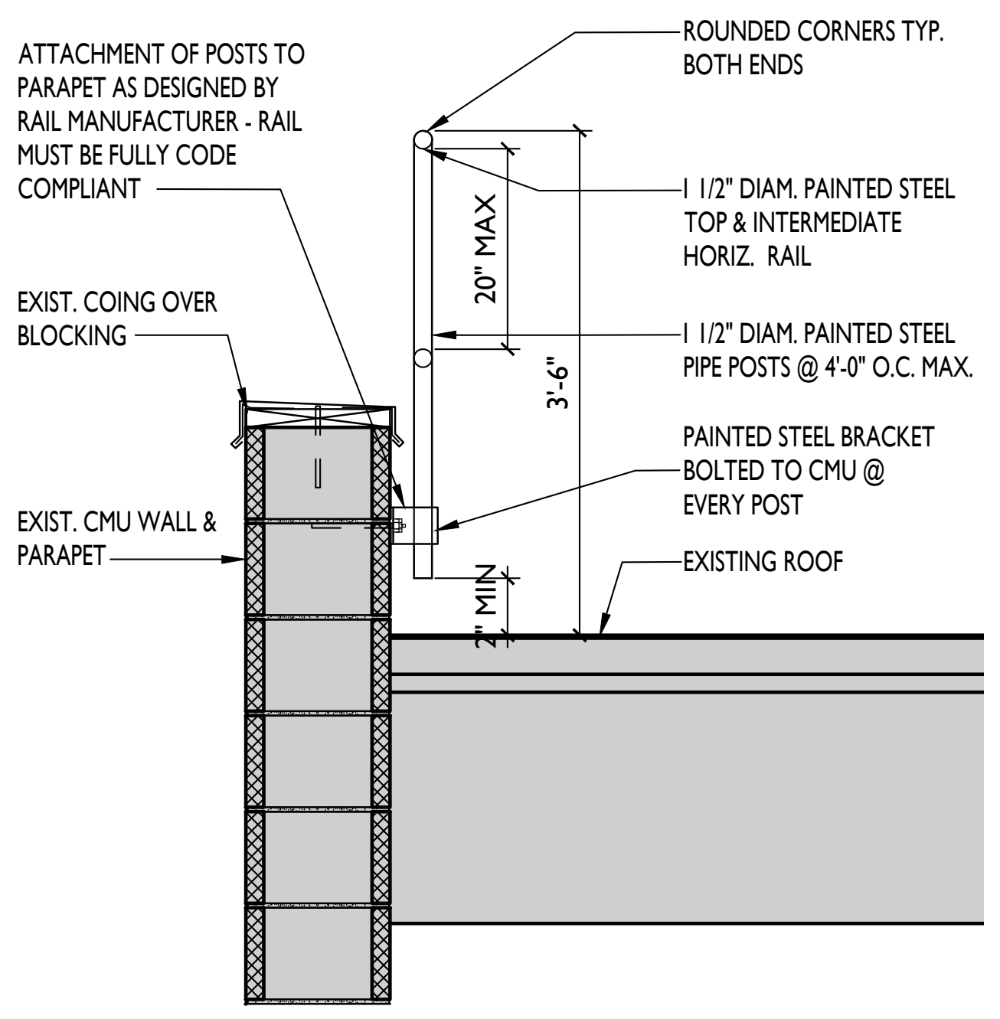
SCALE: 1" = 1'-0"


ROOF SURFACE - OPEN JOINT BETWEEN PADS TO RUN IN DIRECTION OF DRAINAGE FLOW
ROOF WALKWAY PADS - AS PER MANUFACTURER'S SPECIFICATIONS
6"
TYP.
ROOF

NOTE: ALL ROOFING DETAILS MUST COMPLY WITH THE ROOFING MANUFACTURER'S RECOMMENDATIONS. PROVIDE 2'-6" WIDE WALK PADS AT ALL RTU LOCATIONS AROUND EQUIPMENT TO PROTECT ROOF AND SERVICE EQUIPMENT.

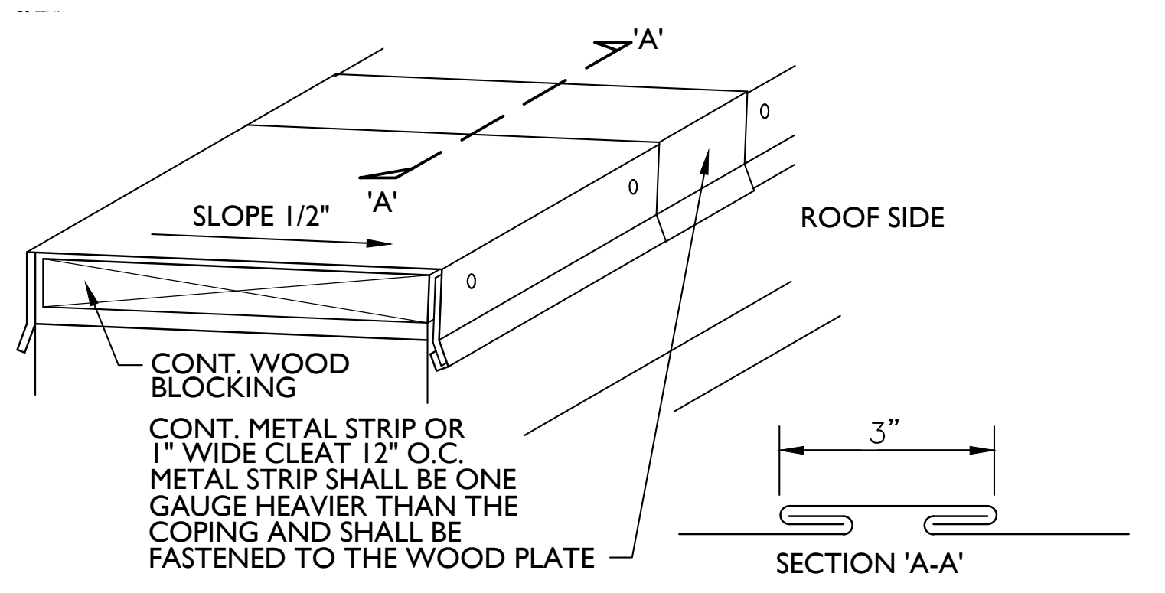
## D5 Walkway Pad Detail

SCALE: 1" = 1'-0"


ATTACHMENT OF POSTS TO PARAPET AS DESIGNED BY RAIL MANUFACTURER - RAIL MUST BE FULLY CODE COMPLIANT
ROUNDED CORNERS TYP. BOTH ENDS
1 1/2" DIAM. PAINTED STEEL TOP & INTERMEDIATE HORIZ. RAIL
20" MAX
EXIST. COING OVER BLOCKING
1 1/2" DIAM. PAINTED STEEL PIPE POSTS @ 4'-0" O.C. MAX.
3'-6"
PAINTED STEEL BRACKET BOLTED TO CMU @ EVERY POST
EXIST. CMU WALL & PARAPET
EXISTING ROOF
2" MIN

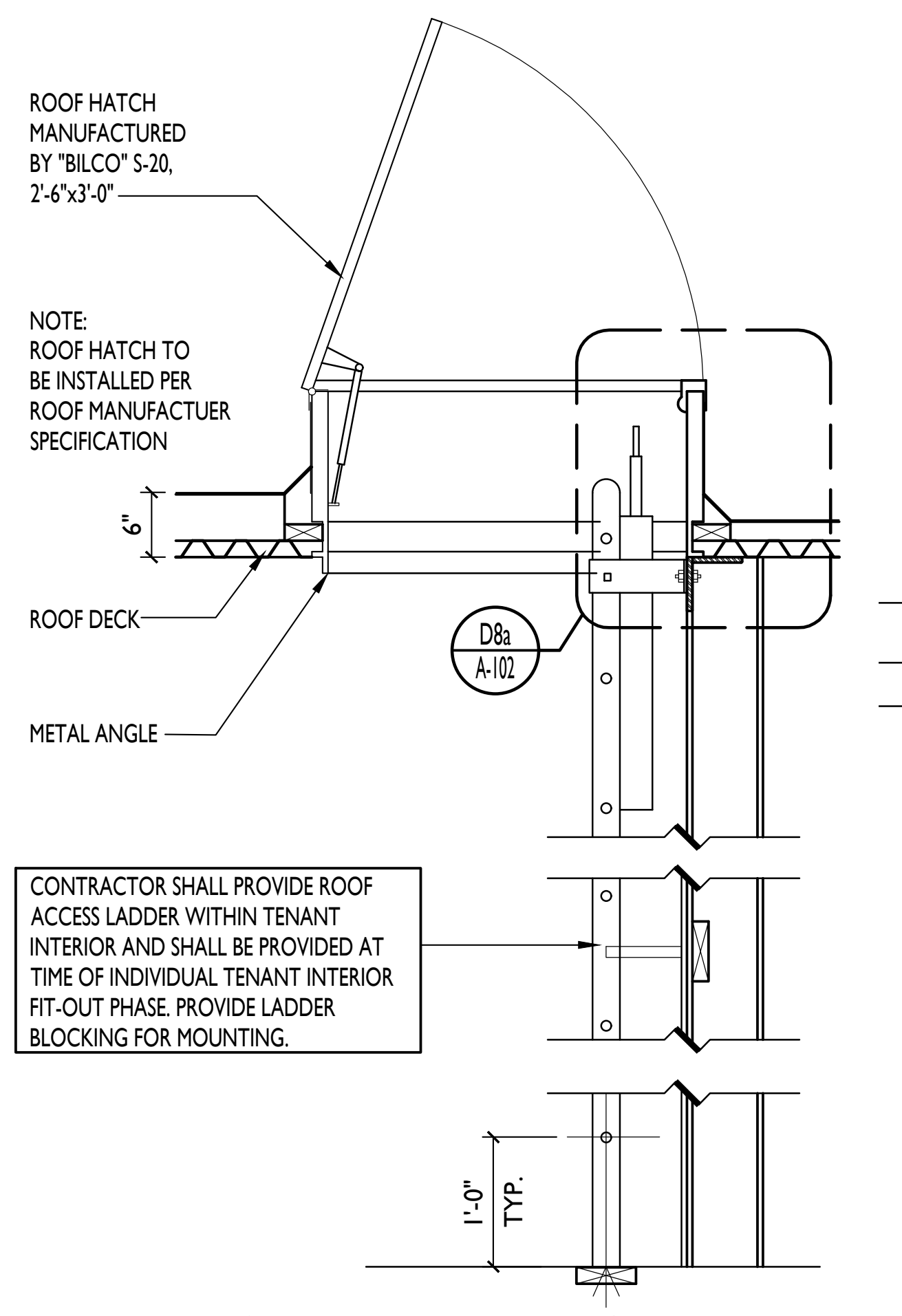
## D6 Roof Safety Guardrail Detail

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


'A'
'A'
SLOPE 1/2"
ROOF SIDE
CONT. WOOD BLOCKING
CONT. METAL STRIP OR 1" WIDE CLEAT 12" O.C. METAL STRIP SHALL BE ONE GAUGE HEAVIER THAN THE COPING AND SHALL BE FASTENED TO THE WOOD PLATE
3"
SECTION 'A-A'

## D7 Coping Splice

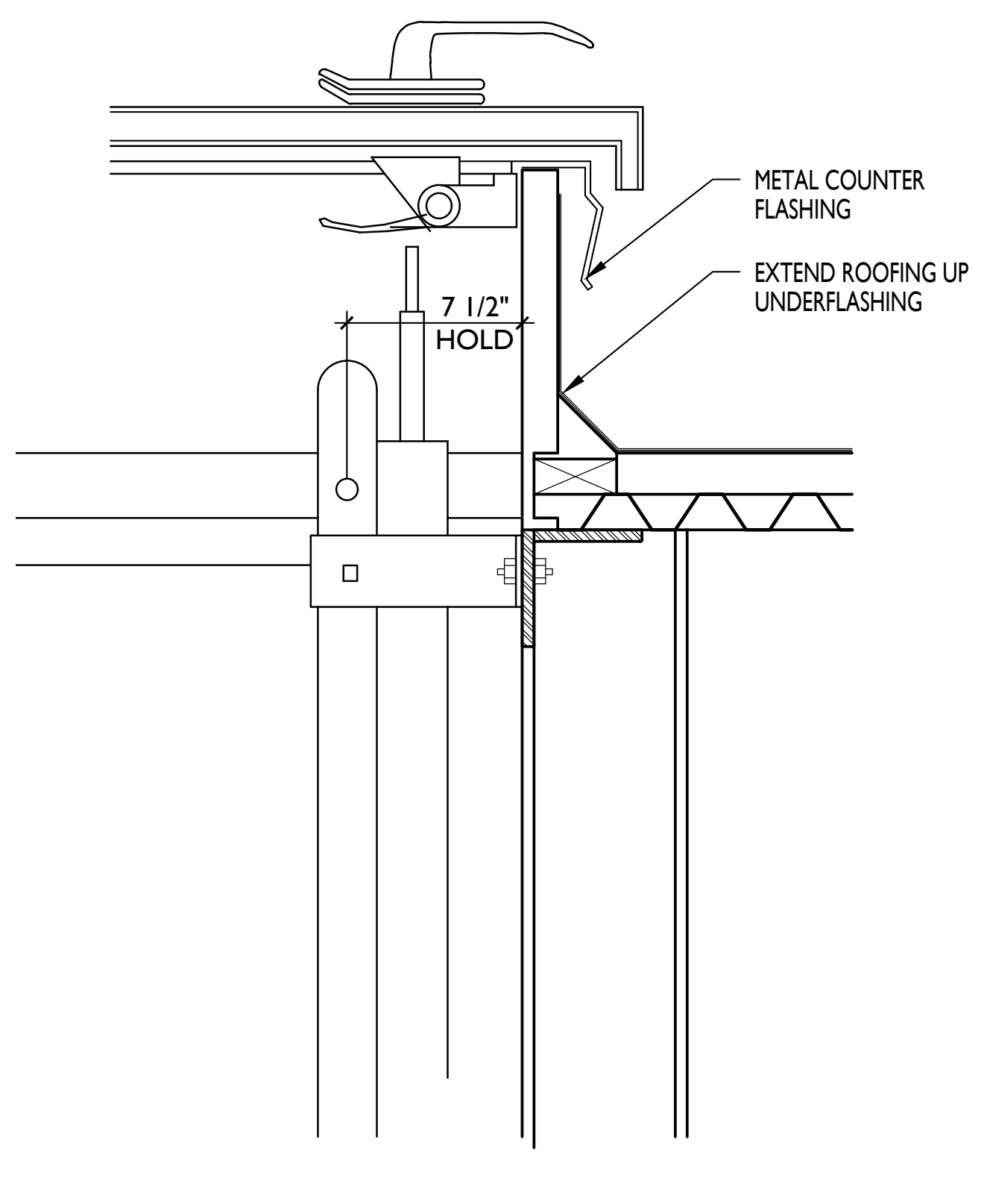
SCALE: NTS


ROOF HATCH MANUFACTURED BY "BILCO" S-20, 2'-6"x3'-0"
NOTE: ROOF HATCH TO BE INSTALLED PER ROOF MANUFACTUER SPECIFICATION
6"
ROOF DECK
D8a A-102
METAL ANGLE
1'-0" TYP.

CONTRACTOR SHALL PROVIDE ROOF ACCESS LADDER WITHIN TENANT INTERIOR AND SHALL BE PROVIDED AT TIME OF INDIVIDUAL TENANT INTERIOR FIT-OUT PHASE. PROVIDE LADDER BLOCKING FOR MOUNTING.

## D8 Roof Hatch & Ladder Section

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



## D8a Roof Hatch Detail

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

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FRANK J CAMPIONE
REG. NO 9673
LICENSE # 9673
EXP. 12/31/26

Roof Plan

2525A A-102

NOTE: ALL DIMENSIONS &
CONDITIONS SHOWN
ARE BASED ON EXISTING
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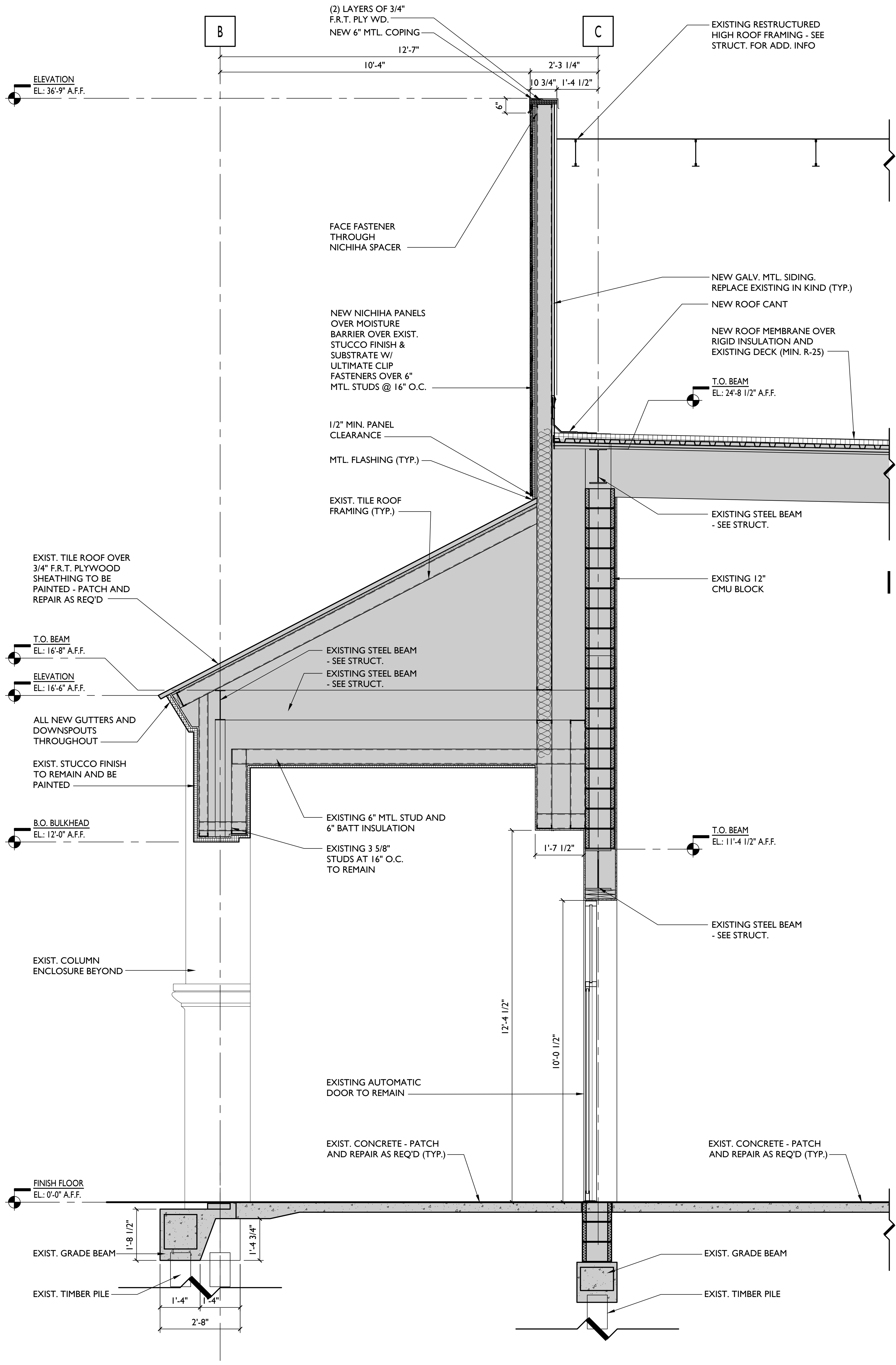
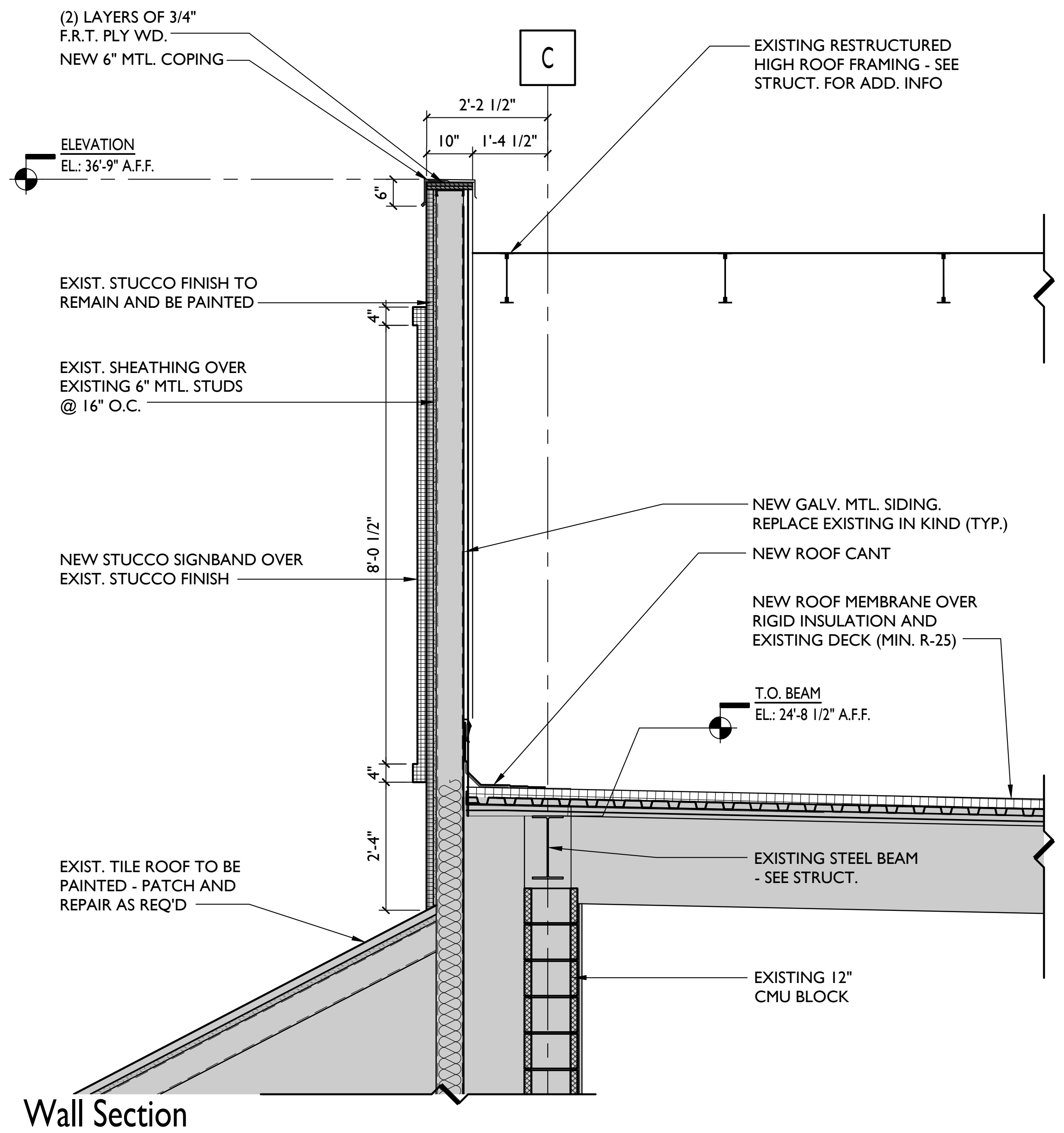
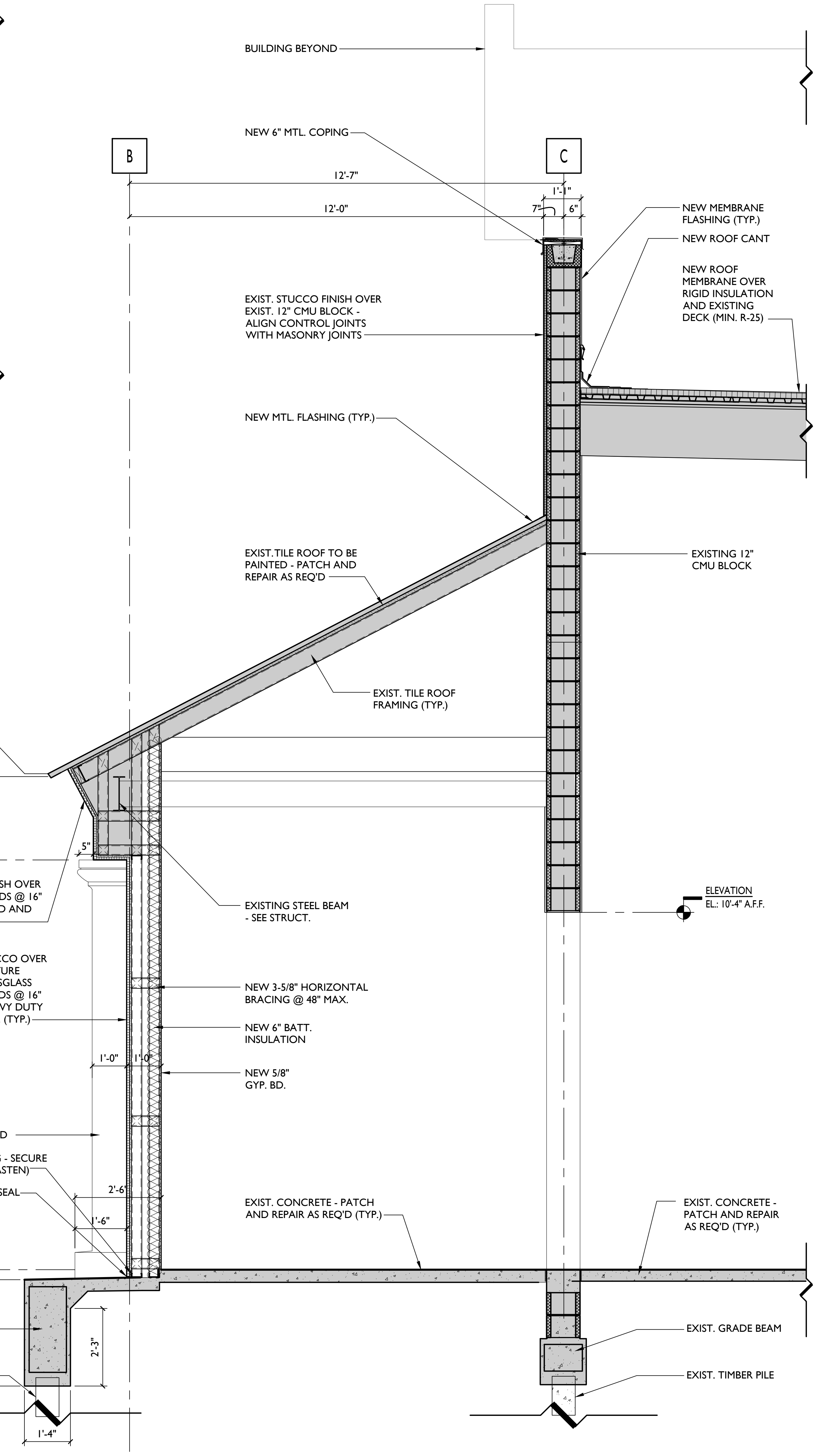
VERIFIED OBSERVATIONS
& MUST BE CONFIRMED
BY GC PRIOR TO
STARTING ANY WORK.


B
C
(2) LAYERS OF 3/4" F.R.T. PLY WD.
NEW 6" MTL. COPING
12'-7"
10'-4"
2'-3 1/4"
10 3/4"
1'-4 1/2"
6"
ELEVATION
EL.: 36'-9" A.F.F.
EXISTING RESTRUCTURED HIGH ROOF FRAMING - SEE STRUCT. FOR ADD. INFO
FACE FASTENER THROUGH NICHIHA SPACER
NEW GALV. MTL. SIDING. REPLACE EXISTING IN KIND (TYP.)
NEW ROOF CANT
NEW NICHIHA PANELS OVER MOISTURE BARRIER OVER EXIST. STUCCO FINISH & SUBSTRATE W/ ULTIMATE CLIP FASTENERS OVER 6" MTL. STUDS @ 16" O.C.
NEW ROOF MEMBRANE OVER RIGID INSULATION AND EXISTING DECK (MIN. R-25)
T.O. BEAM
EL.: 24'-8 1/2" A.F.F.
1/2" MIN. PANEL CLEARANCE
MTL. FLASHING (TYP.)
EXIST. TILE ROOF FRAMING (TYP.)
EXISTING STEEL BEAM - SEE STRUCT.
EXIST. TILE ROOF OVER 3/4" F.R.T. PLYWOOD SHEATHING TO BE PAINTED - PATCH AND REPAIR AS REQ'D
EXISTING 12" CMU BLOCK
T.O. BEAM
EL.: 16'-8" A.F.F.
EXISTING STEEL BEAM - SEE STRUCT.
EXISTING STEEL BEAM - SEE STRUCT.
ELEVATION
EL.: 16'-6" A.F.F.
ALL NEW GUTTERS AND DOWNSPOUTS THROUGHOUT
EXIST. STUCCO FINISH TO REMAIN AND BE PAINTED
EXISTING 6" MTL. STUD AND 6" BATT INSULATION
B.O. BULKHEAD
EL.: 12'-0" A.F.F.
EXISTING 3 5/8" STUDS AT 16" O.C. TO REMAIN
1'-7 1/2"
T.O. BEAM
EL.: 11'-4 1/2" A.F.F.
EXISTING STEEL BEAM - SEE STRUCT.
EXIST. COLUMN ENCLOSURE BEYOND
12'-4 1/2"
10'-0 1/2"
EXISTING AUTOMATIC DOOR TO REMAIN
EXIST. CONCRETE - PATCH AND REPAIR AS REQ'D (TYP.)
EXIST. CONCRETE - PATCH AND REPAIR AS REQ'D (TYP.)
FINISH FLOOR
EL.: 0'-0" A.F.F.
1'-8 1/2"
1'-4 3/4"
EXIST. GRADE BEAM
EXIST. GRADE BEAM
EXIST. TIMBER PILE
EXIST. TIMBER PILE
1'-4"
1'-4"
2'-8"

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


C
(2) LAYERS OF 3/4" F.R.T. PLY WD.
NEW 6" MTL. COPING
2'-2 1/2"
10"
1'-4 1/2"
ELEVATION
EL.: 36'-9" A.F.F.
6"
EXISTING RESTRUCTURED HIGH ROOF FRAMING - SEE STRUCT. FOR ADD. INFO
EXIST. STUCCO FINISH TO REMAIN AND BE PAINTED
4"
EXIST. SHEATHING OVER EXISTING 6" MTL. STUDS @ 16" O.C.
8'-0 1/2"
NEW STUCCO SIGNBAND OVER EXIST. STUCCO FINISH
NEW GALV. MTL. SIDING. REPLACE EXISTING IN KIND (TYP.)
NEW ROOF CANT
NEW ROOF MEMBRANE OVER RIGID INSULATION AND EXISTING DECK (MIN. R-25)
T.O. BEAM
EL.: 24'-8 1/2" A.F.F.
4"
2'-4"
EXIST. TILE ROOF TO BE PAINTED - PATCH AND REPAIR AS REQ'D
EXISTING STEEL BEAM - SEE STRUCT.
EXISTING 12" CMU BLOCK

1a Wall Section
SCALE: 1/2" = 1'-0"


BUILDING BEYOND
NEW 6" MTL. COPING
B
C
12'-7"
12'-0"
1'-1"
7"
6"
NEW MEMBRANE FLASHING (TYP.)
NEW ROOF CANT
NEW ROOF MEMBRANE OVER RIGID INSULATION AND EXISTING DECK (MIN. R-25)
EXIST. STUCCO FINISH OVER EXIST. 12" CMU BLOCK - ALIGN CONTROL JOINTS WITH MASONRY JOINTS
NEW MTL. FLASHING (TYP.)
EXIST. TILE ROOF TO BE PAINTED - PATCH AND REPAIR AS REQ'D
EXISTING 12" CMU BLOCK
EXIST. TILE ROOF FRAMING (TYP.)
ELEVATION
EL.: 14'-0" A.F.F.
T.O. BEAM
EL.: 13'-11" A.F.F.
ELEVATION
EL.: 11'-6" A.F.F.
5"
EXIST. STUCCO FINISH OVER EXISTING 3 5/8" STUDS @ 16" O.C. TO BE REPAIRED AND PAINTED (TYP.)
EXISTING STEEL BEAM - SEE STRUCT.
ELEVATION
EL.: 10'-4" A.F.F.
NEW 1/2" MIN. STUCCO OVER METAL LATH, MOISTURE BARRIER & 5/8" DENSGLASS ON NEW 3 5/8" STUDS @ 16" O.C. - PROVIDE HEAVY DUTY REINF. TO 8'-0" A.F.F. (TYP.)
NEW 3-5/8" HORIZONTAL BRACING @ 48" MAX.
NEW 6" BATT. INSULATION
1'-0"
1'-0"
NEW 5/8" GYP. BD.
EXIST. COLUMN ENCLOSURE BEYOND
NEW MTL.FLASHING - SECURE TO SLAB (GLUE & FASTEN)
1/2" GAP - DO NOT SEAL
2'-6"
1'-6"
EXIST. CONCRETE - PATCH AND REPAIR AS REQ'D (TYP.)
EXIST. CONCRETE - PATCH AND REPAIR AS REQ'D (TYP.)
FINISH FLOOR
EL.: 0'-0" A.F.F.
3'-1"
2'-3"
EXIST. GRADE BEAM
EXIST. GRADE BEAM
EXIST. TIMBER PILE
EXIST. TIMBER PILE
1'-4"

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

Riverside Market

New Orleans, LA

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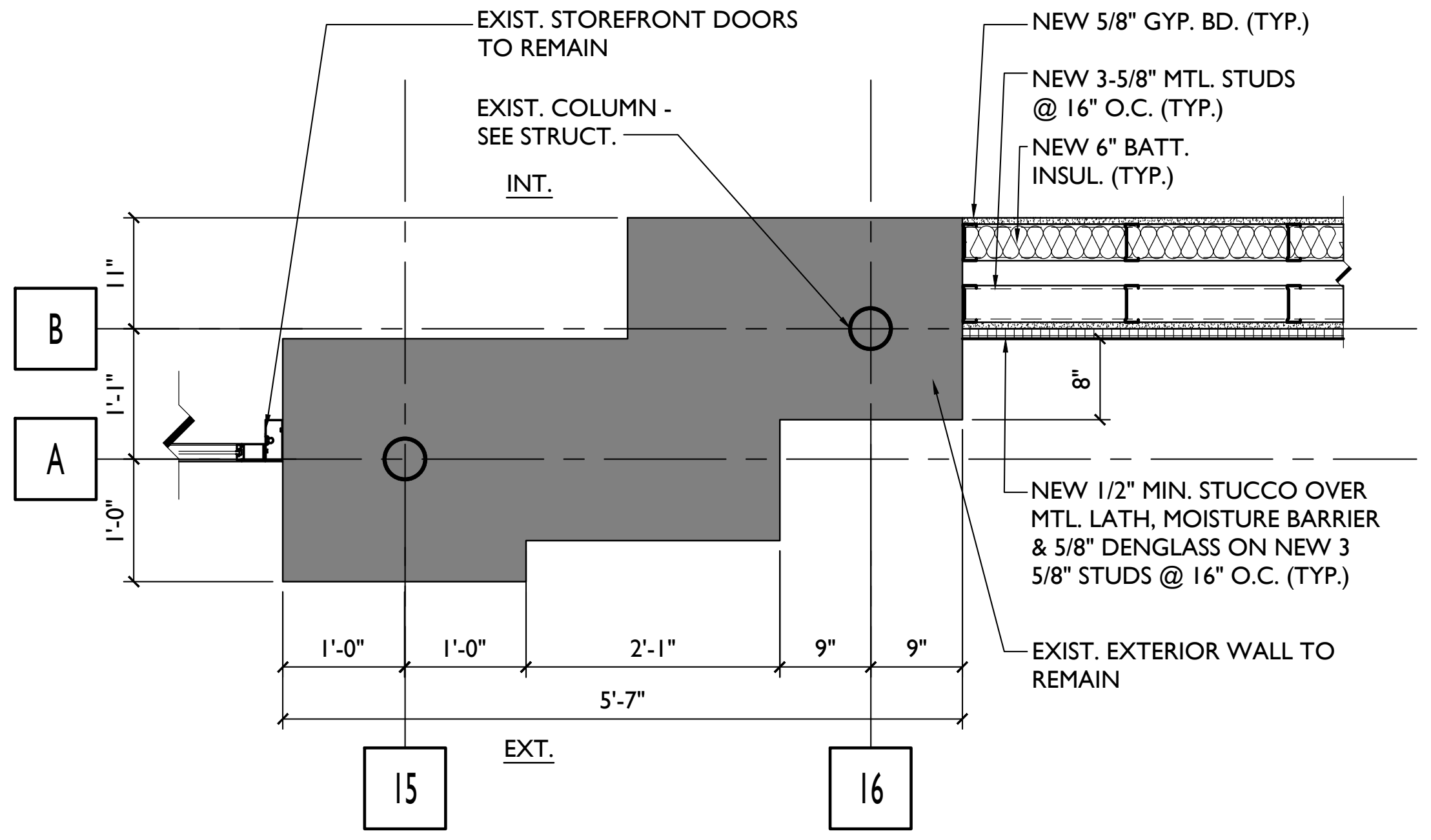
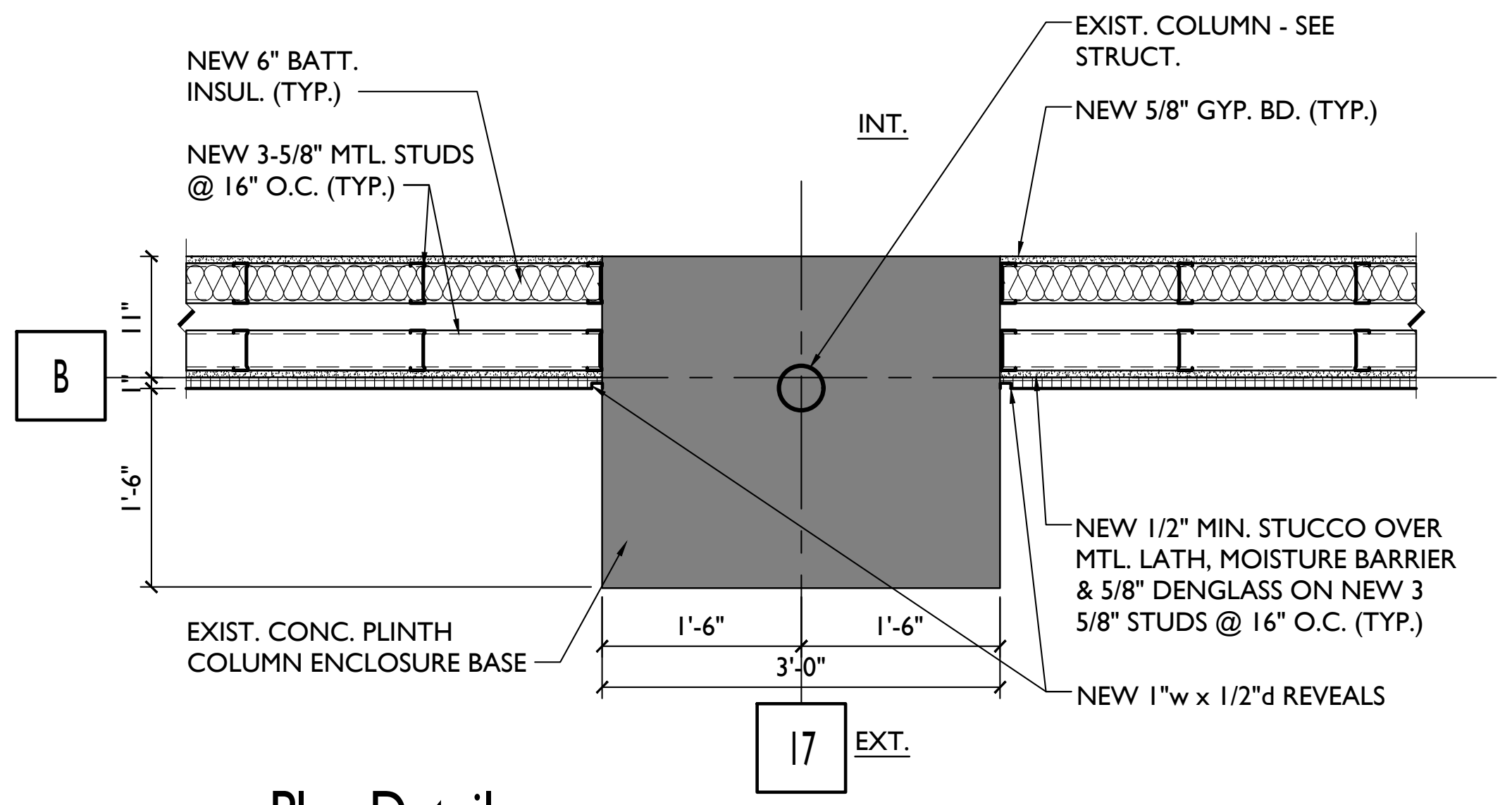
Wall Sections

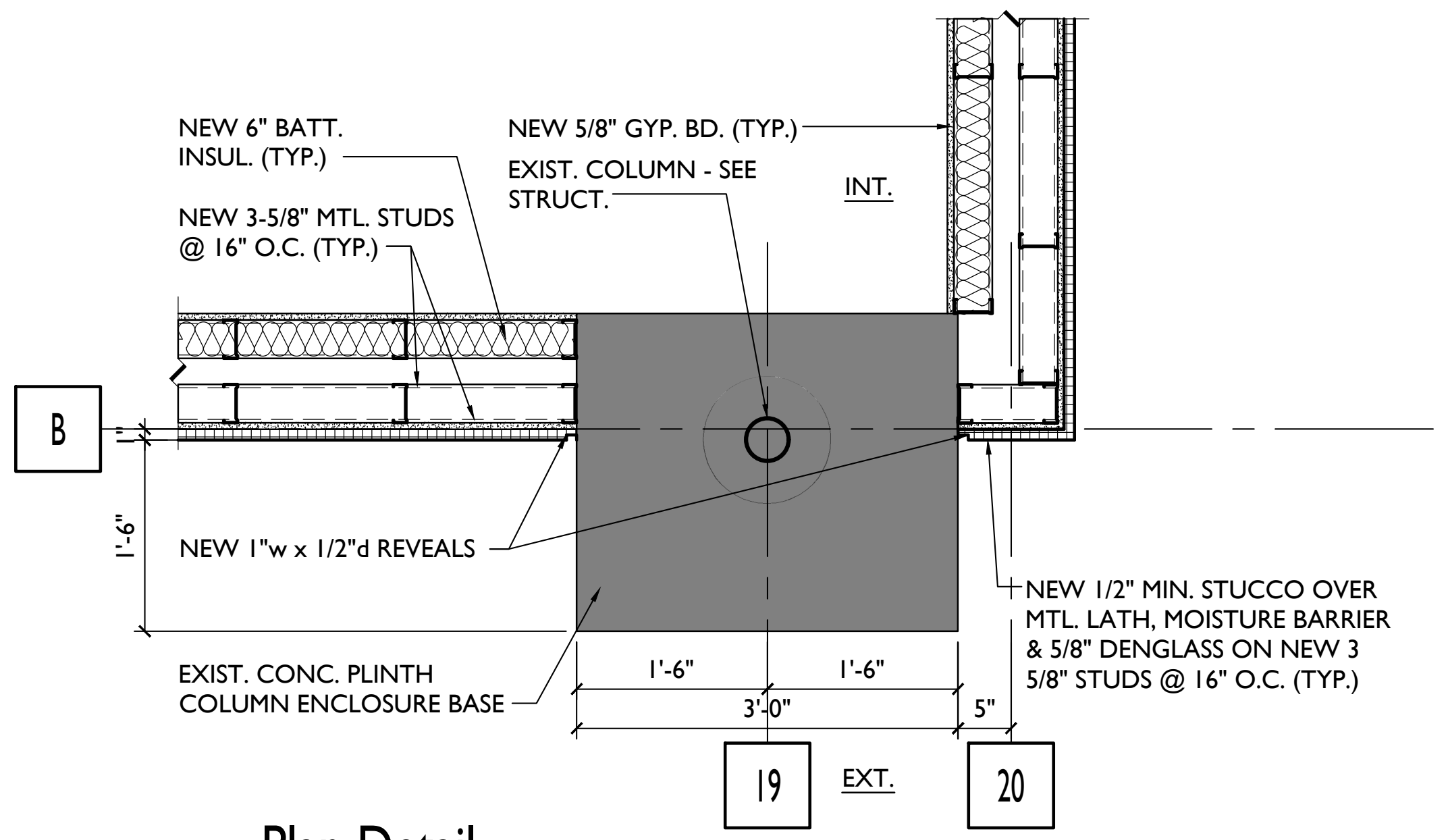
2525A A-400


EXIST. STOREFRONT DOORS TO REMAIN
EXIST. COLUMN - SEE STRUCT.
NEW 5/8" GYP. BD. (TYP.)
NEW 3-5/8" MTL. STUDS @ 16" O.C. (TYP.)
NEW 6" BATT. INSUL. (TYP.)
INT.
B
A
11"
1'-1"
1'-0"
8"
NEW 1/2" MIN. STUCCO OVER MTL. LATH, MOISTURE BARRIER & 5/8" DENGLASS ON NEW 3 5/8" STUDS @ 16" O.C. (TYP.)
EXIST. EXTERIOR WALL TO REMAIN
1'-0"
1'-0"
2'-1"
9"
9"
5'-7"
EXT.
15
16

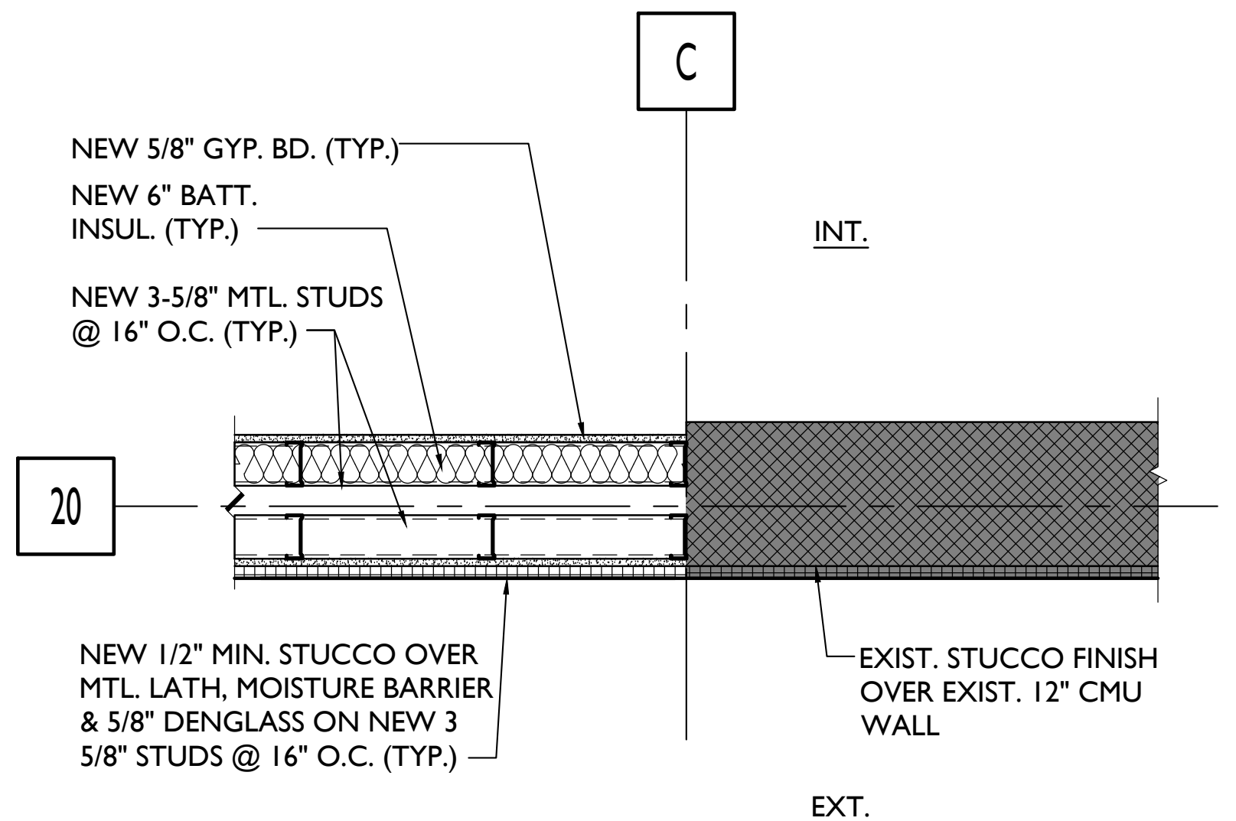
## D1 Plan Detail
SCALE: 3/4" = 1'-0"


EXIST. COLUMN - SEE STRUCT.
NEW 6" BATT. INSUL. (TYP.)
NEW 3-5/8" MTL. STUDS @ 16" O.C. (TYP.)
INT.
NEW 5/8" GYP. BD. (TYP.)
B
11"
1"
1'-6"
NEW 1/2" MIN. STUCCO OVER MTL. LATH, MOISTURE BARRIER & 5/8" DENGLASS ON NEW 3 5/8" STUDS @ 16" O.C. (TYP.)
EXIST. CONC. PLINTH COLUMN ENCLOSURE BASE
1'-6"
1'-6"
3'-0"
NEW 1"w x 1/2"d REVEALS
17
EXT.

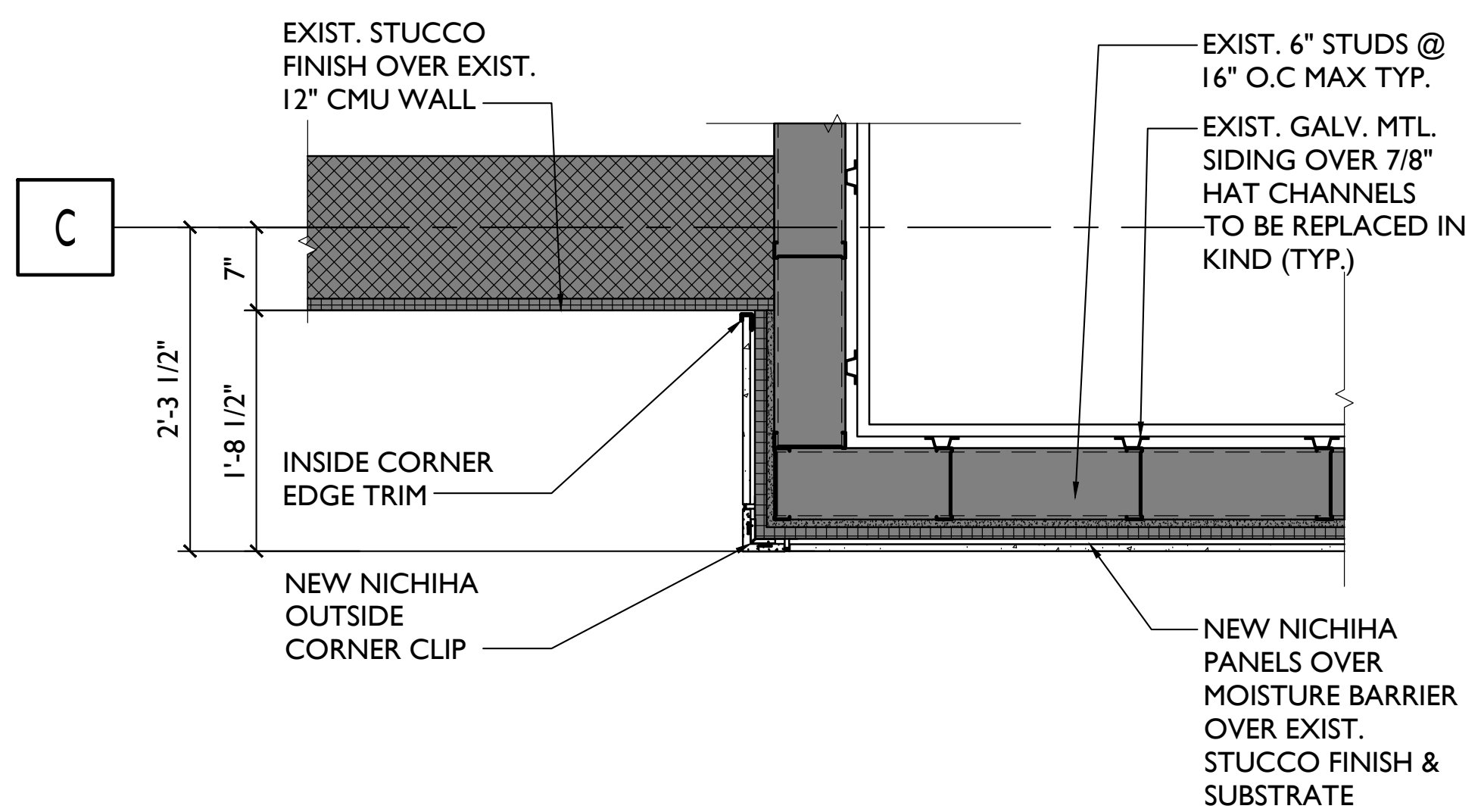
## D2 Plan Detail
SCALE: 3/4" = 1'-0"


NEW 6" BATT. INSUL. (TYP.)
NEW 5/8" GYP. BD. (TYP.)
EXIST. COLUMN - SEE STRUCT.
INT.
NEW 3-5/8" MTL. STUDS @ 16" O.C. (TYP.)
B
1"
1'-6"
NEW 1"w x 1/2"d REVEALS
NEW 1/2" MIN. STUCCO OVER MTL. LATH, MOISTURE BARRIER & 5/8" DENGLASS ON NEW 3 5/8" STUDS @ 16" O.C. (TYP.)
EXIST. CONC. PLINTH COLUMN ENCLOSURE BASE
1'-6"
1'-6"
3'-0"
5"
19
EXT.
20

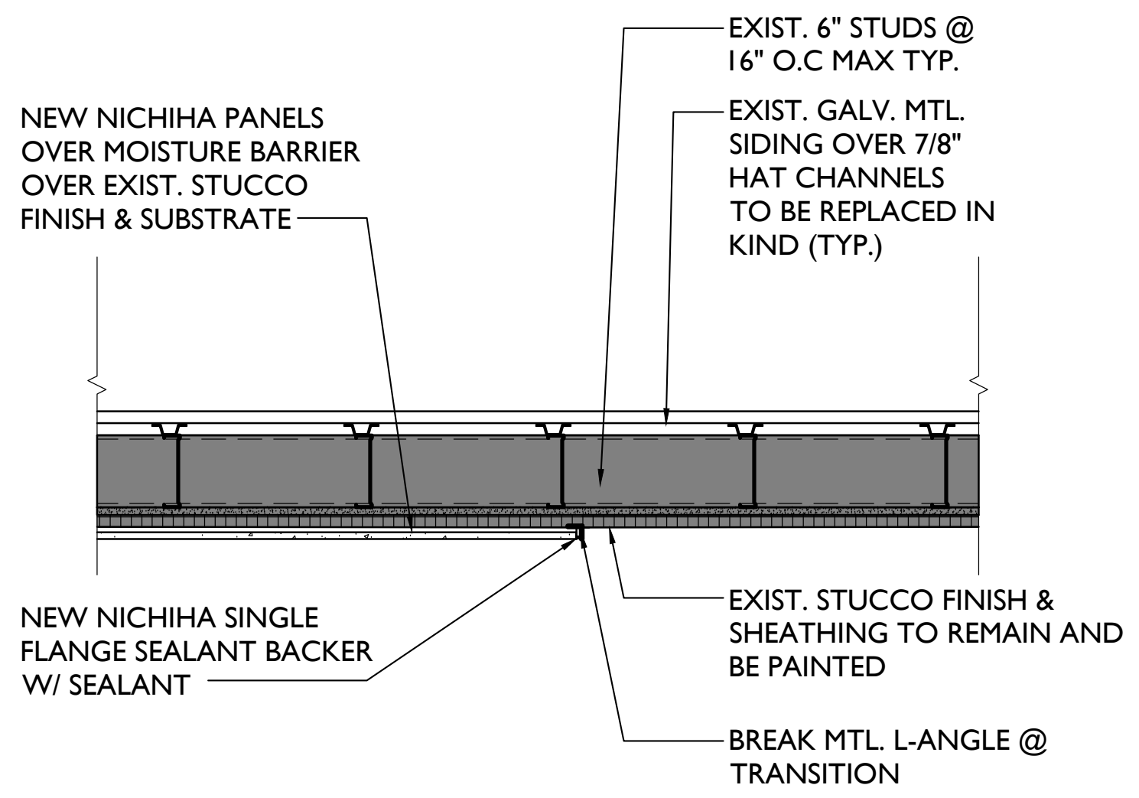
## D3 Plan Detail
SCALE: 3/4" = 1'-0"


C
NEW 5/8" GYP. BD. (TYP.)
NEW 6" BATT. INSUL. (TYP.)
INT.
NEW 3-5/8" MTL. STUDS @ 16" O.C. (TYP.)
20
NEW 1/2" MIN. STUCCO OVER MTL. LATH, MOISTURE BARRIER & 5/8" DENGLASS ON NEW 3 5/8" STUDS @ 16" O.C. (TYP.)
EXIST. STUCCO FINISH OVER EXIST. 12" CMU WALL
EXT.

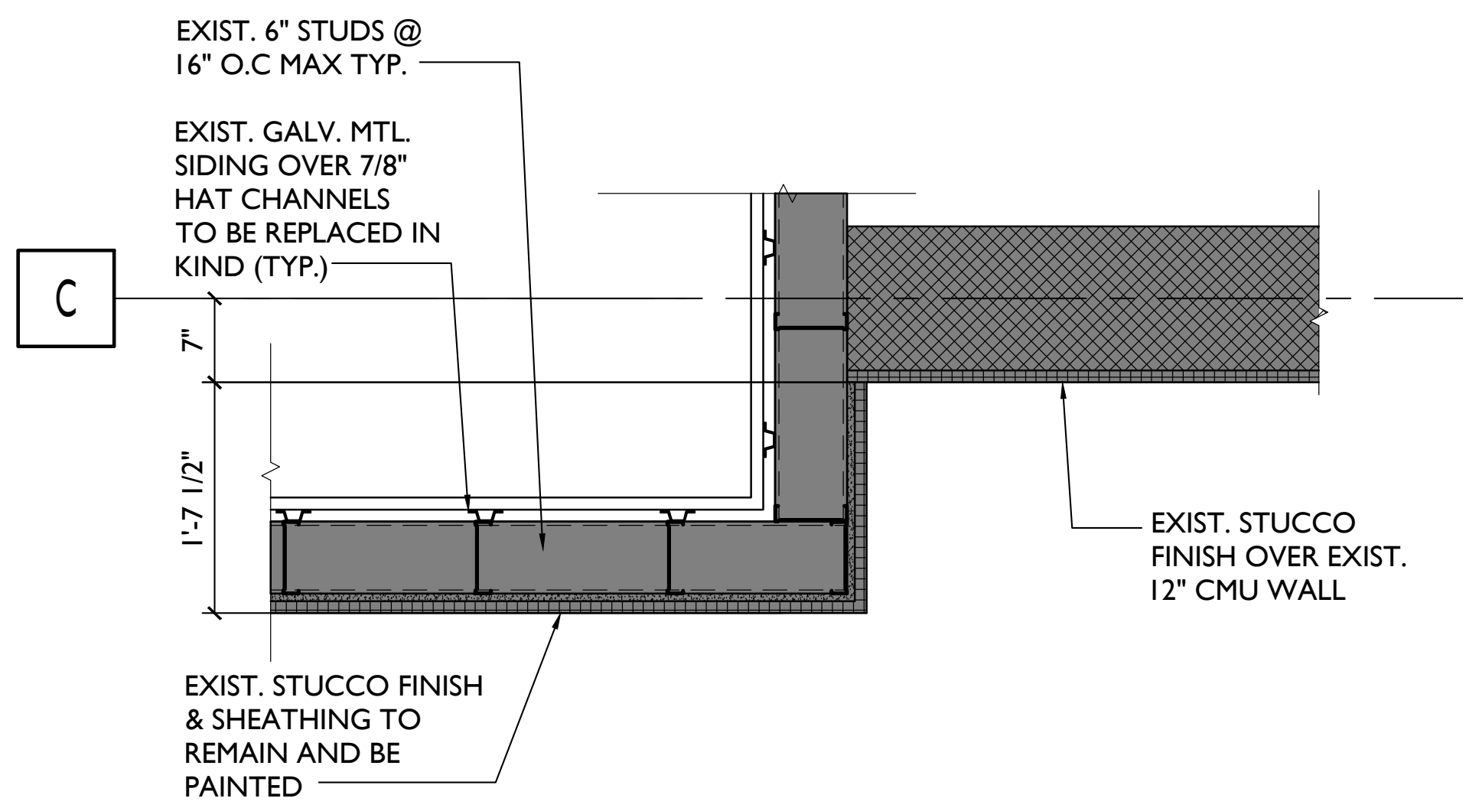
## D4 Plan Detail
SCALE: 3/4" = 1'-0"


EXIST. STUCCO FINISH OVER EXIST. 12" CMU WALL
EXIST. 6" STUDS @ 16" O.C MAX TYP.
EXIST. GALV. MTL. SIDING OVER 7/8" HAT CHANNELS TO BE REPLACED IN KIND (TYP.)
C
7"
2'-3 1/2"
1'-8 1/2"
INSIDE CORNER EDGE TRIM
NEW NICHIHA OUTSIDE CORNER CLIP
NEW NICHIHA PANELS OVER MOISTURE BARRIER OVER EXIST. STUCCO FINISH & SUBSTRATE

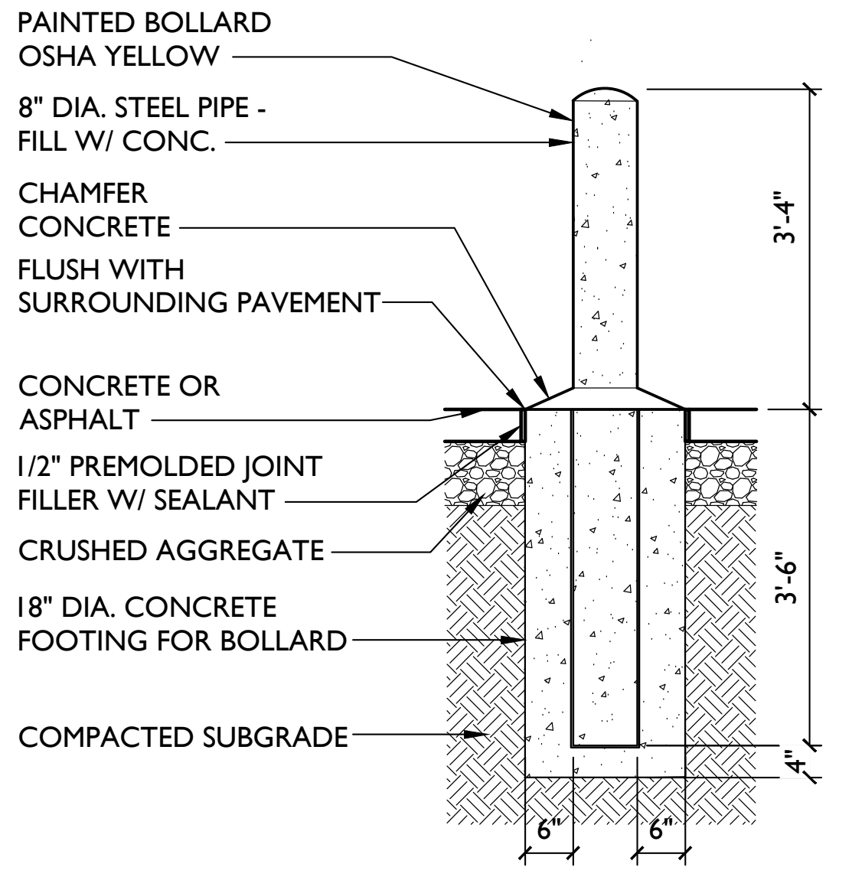
## D5 Plan Detail
SCALE: 3/4" = 1'-0"


EXIST. 6" STUDS @ 16" O.C MAX TYP.
NEW NICHIHA PANELS OVER MOISTURE BARRIER OVER EXIST. STUCCO FINISH & SUBSTRATE
EXIST. GALV. MTL. SIDING OVER 7/8" HAT CHANNELS TO BE REPLACED IN KIND (TYP.)
NEW NICHIHA SINGLE FLANGE SEALANT BACKER W/ SEALANT
EXIST. STUCCO FINISH & SHEATHING TO REMAIN AND BE PAINTED
BREAK MTL. L-ANGLE @ TRANSITION

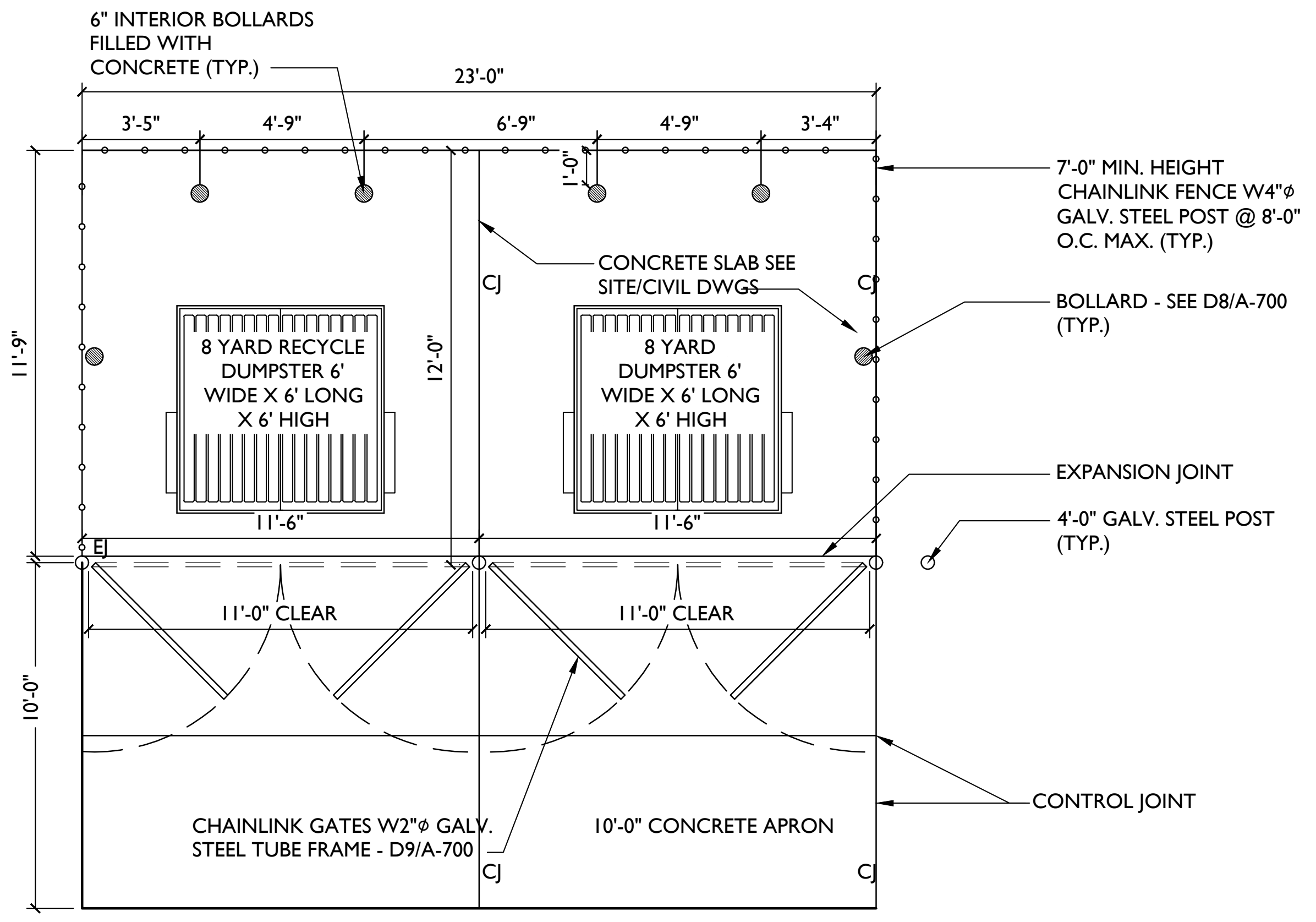
## D6 Plan Detail
SCALE: 3/4" = 1'-0"


EXIST. 6" STUDS @ 16" O.C MAX TYP.
EXIST. GALV. MTL. SIDING OVER 7/8" HAT CHANNELS TO BE REPLACED IN KIND (TYP.)
C
7"
1'-7 1/2"
EXIST. STUCCO FINISH OVER EXIST. 12" CMU WALL
EXIST. STUCCO FINISH & SHEATHING TO REMAIN AND BE PAINTED

## D7 Plan Detail
SCALE: 3/4" = 1'-0"

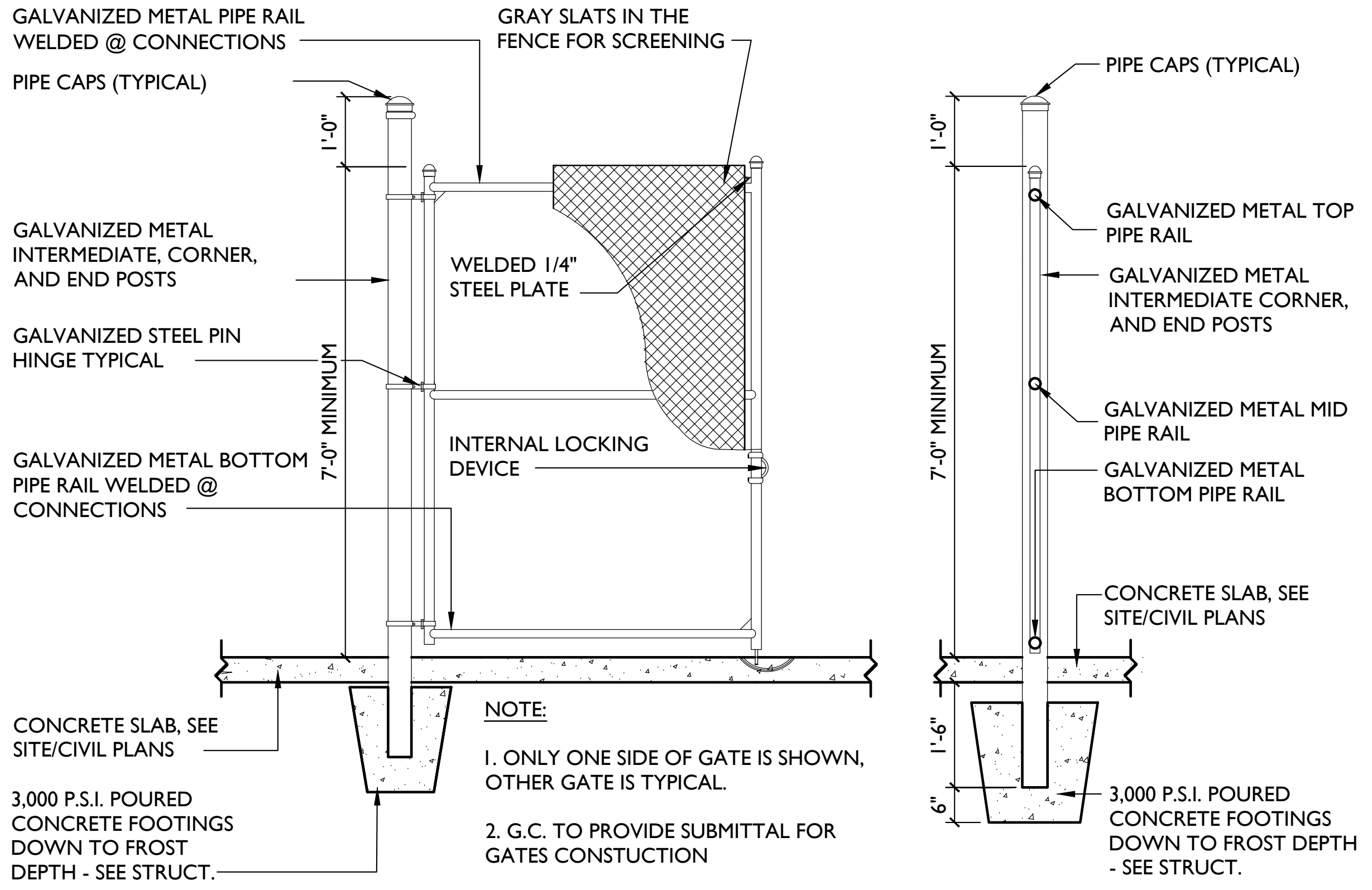

PAINTED BOLLARD OSHA YELLOW
8" DIA. STEEL PIPE - FILL W/ CONC.
CHAMFER CONCRETE
FLUSH WITH SURROUNDING PAVEMENT
CONCRETE OR ASPHALT
1/2" PREMOLDED JOINT FILLER W/ SEALANT
CRUSHED AGGREGATE
18" DIA. CONCRETE FOOTING FOR BOLLARD
COMPACTED SUBGRADE
3'-4"
3'-6"
4"
6"
6"

## D8 Bollard Detail
SCALE: 1/2"= 1'-0"


6" INTERIOR BOLLARDS FILLED WITH CONCRETE (TYP.)
23'-0"
3'-5"
4'-9"
6'-9"
4'-9"
3'-4"
1'-0"
7'-0" MIN. HEIGHT CHAINLINK FENCE W4"ϕ GALV. STEEL POST @ 8'-0" O.C. MAX. (TYP.)
CONCRETE SLAB SEE SITE/CIVIL DWGS
CJ
CJ
BOLLARD - SEE D8/A-700 (TYP.)
11'-9"
12'-0"
8 YARD RECYCLE DUMPSTER 6' WIDE X 6' LONG X 6' HIGH
8 YARD DUMPSTER 6' WIDE X 6' LONG X 6' HIGH
11'-6"
11'-6"
EXPANSION JOINT
EJ
4'-0" GALV. STEEL POST (TYP.)
11'-0" CLEAR
11'-0" CLEAR
10'-0"
CONTROL JOINT
CHAINLINK GATES W2"ϕ GALV. STEEL TUBE FRAME - D9/A-700
10'-0" CONCRETE APRON
CJ
CJ

## 1 Trash Enclosure Plan
SCALE: 1/4" = 1'-0"

NORTH


GALVANIZED METAL PIPE RAIL WELDED @ CONNECTIONS
GRAY SLATS IN THE FENCE FOR SCREENING
PIPE CAPS (TYPICAL)
1'-0"
GALVANIZED METAL INTERMEDIATE, CORNER, AND END POSTS
WELDED 1/4" STEEL PLATE
GALVANIZED STEEL PIN HINGE TYPICAL
7'-0" MINIMUM
INTERNAL LOCKING DEVICE
GALVANIZED METAL BOTTOM PIPE RAIL WELDED @ CONNECTIONS
CONCRETE SLAB, SEE SITE/CIVIL PLANS
3,000 P.S.I. POURED CONCRETE FOOTINGS DOWN TO FROST DEPTH - SEE STRUCT.
PIPE CAPS (TYPICAL)
1'-0"
GALVANIZED METAL TOP PIPE RAIL
GALVANIZED METAL INTERMEDIATE CORNER, AND END POSTS
7'-0" MINIMUM
GALVANIZED METAL MID PIPE RAIL
GALVANIZED METAL BOTTOM PIPE RAIL
CONCRETE SLAB, SEE SITE/CIVIL PLANS
1'-6"
6"
3,000 P.S.I. POURED CONCRETE FOOTINGS DOWN TO FROST DEPTH - SEE STRUCT.

NOTE:

1. ONLY ONE SIDE OF GATE IS SHOWN, OTHER GATE IS TYPICAL.

2. G.C. TO PROVIDE SUBMITTAL FOR GATES CONSTUCTION

## D9 Chain Fence Enclosure Details
SCALE: 1/2" = 1'-0"

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Riverside Market

New Orleans, LA

**CREATE**
ARCHITECTURE PLANNING & DESIGN PLLC

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Phone: (212) 297-0880
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Owner / Developer:
Aub Properties Inc.
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
Richfield, OH 44286

| Rev: | Date: | Description: |
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|  | 09/08/2026 | ISSUED FOR BID & PERMIT |
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FRANK J CAMPIONE
REG. NO 9673
LICENSE # 9673
EXP. 12/31/26

Plan Details and Trash Enclosure Plan & Details

2525A A-700

# GENERAL NOTES & SPECIFICATIONS

## Design Criteria

Applicable Building Code(s): 2021 Louisiana Existing Building Code
2021 International Building Code (ASCE 7-16)

1. Design Live Loads
   - A. Floor
     - 1) Retail
       - a. First floor = 100 psf
     - 2) Mezzanines = 125 psf
     - 3) Stairs and exits = 100 psf
   - B. Roof
     - 1) Ordinary roof (not occupiable) = 20 psf

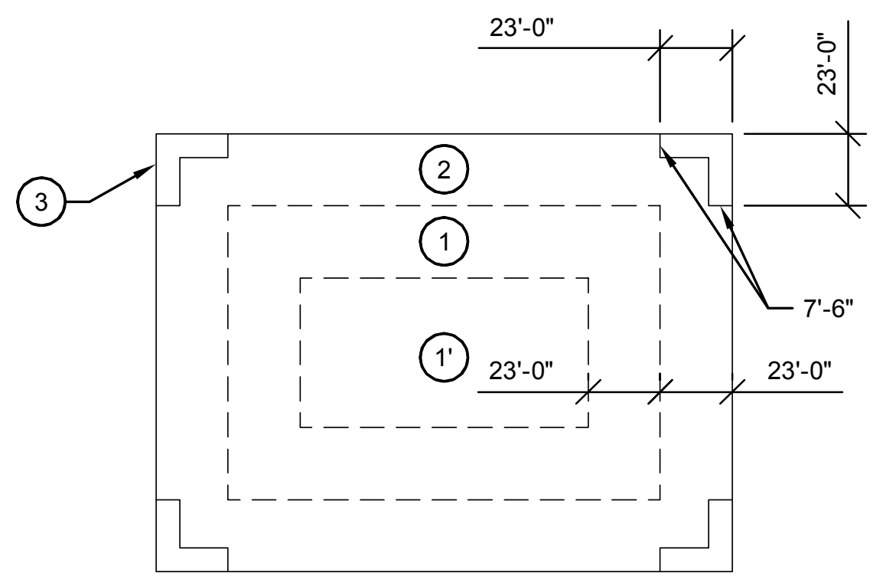
2. Rainfall Intensity
   - A. 15-minute duration / 100 yr. mean recurrence interval = 9.36 in/hr
   - B. 60-minute duration / 100 yr. mean recurrence interval = 5.44 in/hr

4. Design Wind Loads
   - A. Basic wind speed (3 second gust) (Ultimate) (V) = 145 mph
   - B. Exposure = C
   - C. Risk category = II
   - D. Internal pressure coefficient (GCpi) = ±0.18
   - E. Components and Cladding Wind Loads (PSF) (Ultimate)

| WALLS - WINDWARD COMPONENTS AND CLADDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Height (ft.) | Effective Area (sq.ft.) | | | | | | | |
| | Interior Zone | | | | Corner Zone (15'-6" wide) | | | |
| | 10 | 20 | 50 | 100 | 10 | 20 | 50 | 100 |
| 0-40' | 49.0 | 46.9 | 43.9 | 41.8 | 49.0 | 46.9 | 43.9 | 41.8 |

| WALLS - LEEWARD COMPONENTS AND CLADDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Height (ft.) | Effective Area (sq.ft.) | | | | | | | |
| | Interior Zone | | | | Corner Zone (XX' wide) | | | |
| | 10 | 20 | 50 | 100 | 10 | 20 | 50 | 100 |
| 0-40' | -53.0 | -51.0 | -47.9 | -45.9 | -65.3 | 61.2 | -55.1 | -51.0 |

| ROOF - COMPONENTS AND CLADDING | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Zone | Effective Area (sq. ft.) | | | | | | | |
| | Uplift | | | | Downward | | | |
| | 10 | 20 | 50 | 100 | 10 | 20 | 50 | 100 |
| Zone 1' | 44.6 | 44.6 | 44.6 | 44.6 | 41.6 | 41.6 | 41.6 | 41.6 |
| Zone 1 | 77.6 | 73.1 | 66.0 | 61.1 | 72.6 | 68.1 | 61.0 | 56.1 |
| Zone 2 | 102.4 | 96.2 | 87.1 | 80.9 | 97.4 | 91.2 | 82.1 | 75.9 |
| Zone 3 | 139.5 | 126.3 | 108.6 | 95.4 | 134.5 | 121.3 | 103.6 | 90.4 |



ROOF ZONES

   - F. Components and cladding: use the most stringent wind load obtained from code, underwriter criteria (Factory Mutual, etc.), and the project specifications. Cladding manufacturer shall consider increased pressure coefficients at building perimeter, corners, eaves, and rakes. Loads noted in general notes are obtained from code.

5. Seismic
   - A. $S_S$ = 0.086
   - B. $S_1$ = 0.053
   - C. $S_{DS}$ = 0.092
   - D. $S_{D1}$ = 0.085
   - E. Risk category II
   - F. Seismic site class D (assumed)
   - G. Seismic design category B
   - H. Analysis procedure Equivalent lateral force procedure
   - I. Basic seismic force-resisting system Intermediate reinforced masonry shear walls

6. Structural alterations do not increase the demand-capacity ratio of any elements of the existing lateral force-resisting system by more than 10%.

7. Frost Depth = 12"

## General

1. The term General Contractor (G.C.) as used in these documents refers to the Contractor / Construction Manager in responsible charge of the project in terms of coordination, scheduling, subcontractor coordination, etc. This term refers to, but is not limited to, General Contractor, Construction Manager, Design Build Contractor, Prime Contractor, etc. The term is referencing the entity that coordinates the work of other trades.

2. All referenced standards, such as codes, specifications, and other publications noted herein, are intended to refer to the edition of said standard as referenced by the applicable building code or the latest edition published as of the date on the contract documents.

3. The structure or its modifications are designed to be self-supporting and stable after the building or its modifications are fully completed. It is solely the contractor's responsibility to determine erection procedure and sequence and insure the safety of the construction personnel, public, building and its component parts, and adjacent buildings and properties. This includes the addition of whatever temporary or permanent shoring, bracing, needling, underpinning, or sheet piling, etc. that may be necessary to brace new construction, adjacent buildings, existing walls, and framing to remain so that the structure is braced for wind, seismic, gravity, construction loads, etc. and so that no horizontal or vertical settlement or any damage occurs to the adjacent existing structures. Temporary supports shall be maintained in place until permanent supports and/or shoring and bracing are installed. Design of these supports shall be by an engineer registered in the state where the project is located in the employ of the contractor.

4. It is the contractors' responsibility to enforce all applicable safety codes and regulations during all phases of construction.

5. The contractor shall perform all construction for the project in a manner and sequence that are based on accepted industry standards that recognize the interaction of the components that comprise the structure, without causing distress, unanticipated movements or irregular load paths as a result of the construction means and methods employed.

6. Construction loads shall not exceed design live loads. The contractor shall be responsible for all design required to support construction equipment used in constructing this project. Shoring and re-shoring is the responsibility of the contractor.

7. Principal openings through the structure are shown on these drawings. The general contractor shall examine the structural and mechanical, electrical, plumbing, and other trades drawings for the required openings and shall verify size and location of all openings with the appropriate trade contractor. Providing all openings required for mechanical, electrical, plumbing, or other trades shall be a part of the general contract, whether or not shown in the structural drawings. Any deviation from the openings shown on the structural drawings shall be brought to the engineer's attention for review.

8. The existing conditions shown on these documents are based upon existing drawings prepared by Barry Fox Associates Architects LTD. dated 1986. The drawings illustrate the existing structure, structural elements and framing details based on either the original construction drawings and/or site observation. Prior to initiating material procurement and construction, it is the contractor's responsibility to verify existing conditions are consistent with the contract documents. This may require the removal of existing finishes and possible selective demolition to verify the as-built conditions. The contractor is responsible for field verifying all existing conditions; any discrepancies are to be immediately reported to the engineer and architect prior to proceeding with any of the work in question.

9. Contractor shall field verify slab on grade floor construction type prior to cutting. Under no circumstances shall the contractor cut a structural floor slab thicker than four (4") inches without prior written approval from Engineer of Record. Notify Engineer of Record of any slab thickness greater than four (4") prior to proceeding with any saw cutting.

## General (cont.)

10. All mechanical and electrical duct work, plumbing, piping, wiring, lighting and all architectural items that need to be removed during the modification of, or reinforcing of, existing structure shall be replaced in kind. The contractor shall keep all existing systems in operation during the construction phase of the project.

11. All contractors are required to examine the drawings and specifications carefully, visit the site and fully inform themselves as to all existing conditions and limitations, prior to agreeing to perform the work. Failure to visit the site and familiarize themselves with the existing conditions and limitations will in no way relieve the contractor from furnishing any materials or performing any work in accordance with drawings and specifications without additional cost to the owner.

12. Details labeled "Typical Details" on drawings apply to situations occurring on the project that are the same or similar to those specifically detailed. Such details apply whether or not details are referenced at each location. Notify engineer for clarifications regarding applicability of "Typical Details".

13. Work these drawings with architectural, mechanical, electrical, and plumbing drawings, along with all other drawings and specifications included in the contract documents.

14. Do not scale drawings (including electronic drawings and models). Only use dimensions indicated on drawings. Any additional dimensions required shall be requested from architect and engineer prior to construction.

15. Any discrepancies between structural and architectural drawings shall be brought to the attention of the architect and structural engineer.

16. In the case of conflict between drawings, notes and specifications, or among drawings, the strictest provision or larger quantity shall govern.

17. Shop drawings and submittals:
    - A. These drawings shall be checked and coordinated with other materials and contracts by the general contractor and shop drawings and submittals shall bear the contractor's review stamp with the checker's initials before being submitted to the architect for approval.
    - B. When the fabricator has been authorized to use the architect's and engineer's drawings as erection drawings, the fabricator must remove all title blocks, professional seals and any other references to the architect and engineer from that erection drawing. The fabricator's name and title shall be placed on the erection drawings.
    - C. Where dimensions and elevations of existing construction could affect the new construction, it is the contractor's responsibility to make field measurements in time for their incorporation in the shop drawings.

## Demolition

1. The structural drawings are intended to show only the general existing building construction within the area of demolition. The drawings do not show all framing members, incidental framing, walls, quantities, sizes, obstructions, etc., and are not intended to be used by the contractor to define the complete scope of demolition. The contractor must field verify the actual building conditions to define all elements within the scope of demolition.

2. The extent of work shown shall include removal and disposal, off site, of the building structure, foundations and supporting walls and slabs on grade.

3. Conform to all applicable codes for demolition of structures, safety of adjacent structures, dust control, run-off control, disposal and all items necessary to complete the work.

4. A framing member shall be disassembled only after the load supported by that member has been redistributed or removed.

5. Framing shall be disassembled in a manner which does not deform or apply loads to the existing framing to remain.

6. The existing structure to remain is to be shored as required until the supporting elements are installed as shown on the drawings.

7. Existing slabs shall be saw cut in a manner that does not cause the framing supporting the slab to be cut.

8. Existing slabs shall be core drilled at reentrant corners of new floor openings to prevent over cutting.

9. The demolished structure shall be reduced to pieces of a weight, and transported across the remaining structure in a manner, such that the remaining structure is not overstressed.

10. Existing mechanical and electrical equipment shall be protected from damage resulting from demolition.

11. Contractor shall submit a proposed deconstruction sequence to the owner and structural engineer for review prior to commencement of work.

12. Contractor shall field verify slab on grade floor construction type prior to cutting. Under no circumstances shall the contractor cut a structural floor slab thicker than four (4") inches without prior written approval from Engineer of Record. Notify Engineer of Record of any slab thickness greater than four (4") inches prior to proceeding with any saw cutting.

## Post-Installed Anchors and Reinforcing Dowels

1. Design of anchors, adhesives, and embedments specified on the drawings is based on Hilti products. Any substitutions shall meet or exceed the allowable shear and allowable tension values published in the Hilti North American Product Technical Guide.

2. The contractor shall submit ICC ES Evaluation reports and manufacturer installation instructions for all post-installed anchors being used on the project.

3. The contractor shall ensure the installers of post-installed anchors shall have at least three (3) years of experience installing anchors in similar installations. If installers do not have the required experience with similar installations they must conduct a thorough training with the manufacturer's representative. Training shall consist of but not be limited to, proper hole drilling procedures, hole preparation and cleaning techniques, adhesive injection techniques and dispenser training / maintenance, rebar dowel preparation and installation and proof loading/torquing.

4. The contractor shall provide manufacturer product information for any requests for substitution for review to the EOR for compliance with the contract documents.

5. The contractor shall submit the specific product information, for each application, for any product requesting substitution. For each application being substituted, provide anchor type, embedment depth, adhesive type, edge distances, etc.; along with the allowable shear and tension capacity for the requested applications. Do not provide generic product data; only specific values for each substitution will be reviewed. If this information is not fully provided, the submittal will be immediately rejected.

6. Post-installed anchors and dowels shall be used only where specifically indicated on the drawings or for specific conditions approved by the engineer. Items indicated to be cast-in-place shall not be substituted with post-installed methods or products unless prior approval is given by the engineer. When requesting a substitution of a post-installed anchor in lieu of cast-in-place anchor, calculations, for a post installed alternate, shall be provided by an engineer registered in the appropriate jurisdiction of the project.

7. Fastener and anchor material shall be as follows:
   - Bolts and Studs: ASTM A307; ASTM A449 (where indicated as 'High Strength')
   - Carbon and Alloy Steel Nuts: ASTM A563
   - Carbon Steel Washers: ASTM F436
   - Carbon Steel Threaded Rod: ASTM F1554, GR.55
   - Wedge Anchors: ASTM A510 or ASTM A108
   - Zinc Plating: ASTM B633
   - Hot-Dip Galvanizing: ASTM A153
   - Reinforcing Dowels (Rebar): ASTM A615

8. The following anchors shall only be used where indicated on the drawings, unless specifically noted otherwise in sections or details in the drawings:

| CONCRETE ANCHORS<br>(CRACKED AND UNCRACKED CONCRETE) | | |
|---|---|---|
| ANCHOR TYPE | ADHESIVE TYPE | ROD TYPE |
| Adhesive | Hilti HIT-HY200 V3 SafeSet System | Hilti HIT-Z, or Hilti HAS-E |

| MASONRY ANCHORS<br>(MASONRY SHALL BE SOLID GROUTED A DISTANCE OF 8" FROM ANCHOR IN ALL DIRECTIONS) | | |
|---|---|---|
| ANCHOR TYPE | ADHESIVE TYPE | ROD TYPE |
| Adhesive | Hilti HIT-HY270 SafeSet System | 5/8"Ø Hilti HAS-E Continuous Threaded (5 5/8" embed) |
| Adhesive | Hilti HIT-HY270 SafeSet System | 3/4"Ø Hilti HAS-E Continuous Threaded (6 3/4" embed) |

Note: For applications into existing masonry / brick that may be ungrouted provide screen tube insert.

9. Anchors used in existing masonry, brick, clay tile walls, etc., shall have a pull test performed on each wall type the anchors are to be used. Provide at least three (3) tests per wall type and provide results to the E.O.R. Pull test shall either be done by the manufacturer's representative or a qualified special inspection company.

## Structural Steel

1. Detailing, fabrication, and erection shall conform to the latest edition as referenced in the applicable building code, of the AISC 'Steel Construction Manual' and AISC 360 'Specification for Structural Steel Buildings', herein referred to as 'AISC Manual' and 'AISC Specification'.

   Structural Steel: (W shapes) ASTM A992 (Fy=50ksi)
   (M, S, C shapes) ASTM A36 uno
   (Plate, Angles) ASTM A36 uno

   HSS: (tubular shapes) ASTM A500 grade C (Fy=50ksi)
   (round shapes) ASTM A500 grade C (Fy=46ksi)

   High-Strength Bolts, Nuts, and Washers: ASTM F3125, Grade A325 or F1852, Type 1, heavy-hex steel structural bolts; ASTM A563, Grade C, heavy-hex carbon-steel nuts; and ASTM F436, Type 1, hardened carbon-steel washers; all with plain finish.

   All anchor rods shall be ASTM F1554 grade 36, uno.

   All structural steel not to receive spray fire-proofing shall be primed white or light gray; asphaltic paints are not acceptable.

   All column base plates shall have a minimum of four anchor rods.

   Nonmetallic, Shrinkage-Resistant Grout: ASTM C 1107, factory-packaged, nonmetallic aggregate grout, noncorrosive and nonstaining, mixed with water to consistency suitable for application and a 30-minute working time.

2. Connections shown on these drawings are generally schematic. They are intended to define the spatial relationship of the framed members and show a feasible method of making the connection. Any connection that is not shown or is not completely detailed on the structural drawings shall be designed by a registered professional engineer, retained by the fabricator. Details and connections may be designed to conform to AISC Manual. Completely detailed means the following information is shown on the shop detail drawings:
   - A. All plate dimensions and grade.
   - B. All weld sizes, lengths, pitches and returns.
   - C. All hole sizes and spacings.
   - D. Number and type of bolts: where bolts are shown but no number is given, the connection has not been completely detailed.
   - E. Where partial information is given, it shall be the minimum requirement for connection.
   - F. Method of design.

3. Details and connections completely detailed in the contract drawings may not be altered without written approval by the engineer. Where approved, altered connections shall be completely detailed by the fabricator's engineer clearly on the shop drawings.

4. Alterations of schematic connection details may impact architectural concept and shall not be made without prior written approval of the engineer.

5. Minimum connection plate thickness shall be 3/8", unless otherwise indicated in the contract drawings.

6. For W, M, S, and C shapes, unless otherwise noted, beam to beam connections and beam to column connections shall be one of the following double angle (t min=5/16") framed beam connections:
   - A. Shop welded per Table 10-2, AISC Manual for using weld A, and using 3/4" diameter A325-N bolts in standard or horizontally slotted holes for the field connection.
   - B. All bolted connections per Table 10-1, AISC Manual. Controlling strength of connection shall be least of bolt / angle strength or beam web strength taking into account coped flanges.

   The minimum length of connection angles shall be equal to one-half the depth of the member to be supported.

7. Unless otherwise noted, all connections at HSS sections shall be designed and detailed in accordance with the AISC Manual and AISC Specification.

8. Where the reactions of uniformly loaded beams and girders are not shown on the drawings, the connections shall be designed to support the reactions due to the maximum allowable uniform load as indicated in the load tables of the AISC Manual, Part 3 for the given beam size and span. For beams and girders not uniformly loaded see plan for reactions; if no reaction is shown, contact Engineer of Record for reactions.

9. All bolts shall be considered bearing bolts. Do not over tighten bearing bolts, especially for beams to support concrete slabs. Tighten bearing bolts to a snug condition only, per AISC specifications.

10. Twist-off type tension control bolts are not permitted to be used as bearing bolts.

11. All welding shall comply with AWS requirements. Electrodes/filler metal shall be 70 ksi minimum.

12. General contractor shall verify all structural beam locations, mechanical unit weights and opening sizes and locations with mechanical contractor and vendor's drawings for actual mechanical unit purchased.

13. Splicing of structural members where not detailed on the drawings is prohibited without prior approval of the structural engineer.

14. Cuts, holes, coping, etc. required for work of other trades shall be shown on the shop drawings and made in the shop. Cuts or burning of holes in structural steel members in the field will not be permitted, unless specifically approved in each case by the structural engineer.

15. All HSS shapes (round, square, rectangular, etc.) are to have a 1/4" cap plate at all exposed ends. Cap plates to be seal welded all around, uno. Provide 3/8"Ø weep holes in the center of the plate.

16. All weld sizes not shown in details herein shall be the minimum required size based on thickness of thinner part as per AISC Specification, Tables J2.3 & J2.4. Exception: At member splices welds or bolts shall develop full strength of the member or components being connected.

17. All around welds indicated herein shall be discontinuous at the flange tips of open sections.

18. All structural steel, including base plates and tops of anchor bolts, to be exposed to soil are to be coated with an approved coal tar epoxy, 16 mils minimum thickness.

19. Any alteration made by the detailer on the structural steel shop drawings to schematic or completely detailed connections shown on the contract drawings must be clearly identified by clouding or by direct note on the shop drawing by the detailer prior to submission to the engineer.

20. Any member sizes shown on the plans, and currently listed in the AISC Manual, which are not currently available must be brought to the architect's and structural engineer's attention prior to award of steel contract. No claim for additional cost will be accepted after the award, for member/built up member substitutions for these sizes.

21. Filler beams shall be spaced equally between established dimensions, unless noted otherwise.

22. All supplemental steel required for roof units and roof openings over 12"x12" to be supplied by structural steel fabricator and be coordinated by general contractor with the joist fabricator, mechanical drawings and mechanical equipment supplier.

23. All structural steel beams and columns adjacent to masonry shall have adjustable masonry anchors at 2'-0" o.c.

24. Hot dip galvanize per ASTM A123 after fabrication the following structural steel members:
    - A. Shelf angles supporting masonry.
    - B. Lintels supporting single or multiple wythe exterior masonry walls.
    - C. Items identified on the architectural and structural drawings. All steel permanently exposed to weather shall be hot dipped galvanized unless specified otherwise on the architectural drawings. For members shown to be galvanized, all connection material shall also be galvanized.

### Submittals

1. Submit shop drawings prepared under supervision of a registered engineer, including complete details and schedules for fabrication and assembly of structural steel members, procedures and diagrams. Include details of cuts, connections, camber, holes, and other pertinent data.

2. Indicate welds by standard AWS symbols and show size, length, and type of each weld. Provide setting drawings, templates and directions for installation of anchor bolts and other anchorages to be installed by others. Provide calculations used for designing connections.

3. Submit calculations stamped & signed by an engineer registered in the appropriate jurisdiction of the project including, but not limited to, moment connections (flexible and fully restrained moment connections), bracing gusset plates and connection to beam/column assembly, web-to-chord connection at trusses, and any unique connections that are not completely detailed on these drawings.

4. Shop drawings shall indicate the date of the structural drawings that were used to prepare the shop drawings.

5. Shop drawing submittals shall consist of 3 prints of each drawing for the Structural Engineer, 1 print for the Architect and a minimum of 1 print for the General Contractor.

### Quality Assurance

1. Test reports: Submit copies of reports of tests conducted on shop and field bolted and welded connections. Include data on types of tests conducted and test results.

2. An independent testing and inspection agency shall be engaged to inspect high-strength bolted connections and welded connections and to perform tests and prepare test reports. Testing agency shall conduct and interpret tests and state in each report whether test specimens comply with requirements, noting any deviations therefrom.

3. Correct deficiencies in structural steel work which inspection and laboratory test reports have indicated to be not in compliance with requirements. Perform additional tests, at contractor's expense, as may be necessary to reconfirm any noncompliance of original work, and as may be necessary to show compliance of corrected work.

4. Field bolted connections: Inspect in accordance with AISC Specification. Check at least one bolt on every connection. Non-slip critical bolts tightened to a snug fit condition only require a visual inspection. Slip critical bolts require a turn of the nut or calibrated wrench method inspection.

5. Shop and field welding: Inspect and test during fabrication and/or erection of structural steel. Certify welders and conduct inspections and tests as required. Record types and locations of defects found in work. Record work required and performed to correct deficiencies. Perform visual inspection of all welds, and perform ultrasonic tests of full penetration welds in accordance with ASTM E 164.

## Cold-Formed Metal Framing

1. The design, installation and construction of cold-formed carbon or low-alloy steel, structural and nonstructural exterior steel framing, shall be in accordance with "The Standard for Cold-Formed Steel Framing-General Provisions, American Iron and Steel Institute" (AISI-general) and AISI-NASPEC.

2. System components: With each type of metal framing required, provide manufacturer's standard steel runners (tracks), bracing, clip angles, shoes, reinforcements, fasteners, and accessories as recommended by manufacturer for applications indicated, as needed, to provide a complete metal framing system.

3. The supplier shall provide all components and connections relative to size, spacing, gauge, location, and anchorage of metal studs shown on architectural and structural drawings. Additional costs associated with an increase in the size or gauge of the studs from that shown on the drawings are not permitted. The design intent shall be followed and supplier shall provide design for all framing components and connections not specifically detailed including trusses, headers, jambs, supplemental bracing, etc. Any deviation from this design shall be approved by the architect/engineer. Additional fees required to evaluate a revision in stud size, gauge or spacing are the responsibility of the contractor.

4. Design of cold-formed metal stud framing shown is based on SSMA studs with section properties and allowable resisting moment capacities as defined in AISI manual, Cold-Formed Steel Design.

5. Minimum thickness of exterior cold-formed wall studs and tracks shall be 18 ga. at masonry veneer and 20 ga. at other locations, (u.n.o.). Minimum stud flange width shall be 1 5/8". Increase gauge thickness as required by finish system manufacturer (e.g. metal panel system, etc.). G.C. to coordinate requirements with selected manufacturers.

6. Member sizes given or connections specifically detailed on the drawings shall be considered a minimum requirement.

7. All framing members 16 ga. and heavier shall be formed from steel with a minimum yield strength of 50 ksi. All other framing shall be formed from steel with a minimum yield strength of 33 ksi.

8. All framing shall be galvanized, G90 coating at masonry veneer and G60 at other locations.

9. All connections shall be screwed or welded. Powder driven fasteners are not acceptable for any structural applications without prior approval of engineer of record.

10. Welding: Use qualified welders and comply with AWS D1.3 "Structural Welding Code - Sheet Steel".

11. Connection methods and fastener sizes/types shall not deviate from that indicated on drawings unless a substitution request is submitted and approved by architect/engineer prior to installation.

12. Member web openings shall be positioned a minimum of 10" from connections.

13. All welds shall be touched up with zinc-rich paint.

14. At wall locations where multiple cold-formed studs are required to support vertical loads, a continuous load path shall be provided to support those loads through the structure inclusive of the floor system to the foundations. This may be accomplished through the use of beams, headers, blocking, stiffeners or other appropriate means based on location and detailing considerations.

15. Contractor shall design and furnish cold-formed metal framing for all exterior soffits and ceilings indicated on architectural drawings, designed to resist lateral wind loads and uplift wind pressure.

16. Erection tolerances: Install cold-formed metal framing level, plumb, and true to line to a maximum allowable tolerance variation of 1/8" in 10 feet (1:960) and as follows:
    - A. Spacing: Space individual framing members no more than plus or minus 1/8 inch from plan location. Cumulative error shall not exceed minimum fastening requirements of sheathing or other finishing materials.
    - B. Squareness: Install cold-formed metal framing to a maximum out-of-square tolerance of 1/8 inch.

17. Install cold-formed metal framing according to ASTM C 1007 and AISI's 'Standard for Cold-Formed Steel Framing - General Provisions' and to manufacturer's written instructions, unless more stringent requirements are indicated.

18. Install supplementary framing, blocking and bracing in metal framing system wherever walls, partitions, canopies and soffits are indicated to support fixtures, equipment, services, and similar work. Where type of supplementary support is not otherwise indicated, comply with stud manufacturer's recommendations and industry standards in each case, considering weight or loading resulting from item supported.

19. Installation of stud system: Secure studs to runner tracks by either welding or screw fastening at both inside and outside flanges unless otherwise noted on drawings. Seat studs completely in track.

20. Frame both sides of expansion and control joints with separate studs; do not bridge the joint with components of stud system.

21. Install horizontal stiffeners in stud system, spaced at not more than 4'-0" on center. Weld at each intersection.

22. Where stud system abuts structural columns, beams or walls, including masonry walls, anchor ends of stiffeners to supporting structure.

23. Install temporary bracing and supports to secure framing and support loads comparable in intensity to those for which structure was designed. Maintain braces and supports in place, undisturbed, until entire integrated supporting structure has been completed and permanent connections to framing are secured.

24. Align studs vertically where wall-framing continuity is interrupted by floor framing. Where studs cannot be aligned, continuously reinforce track to transfer loads.

25. Align floor and roof framing over wall studs. Where framing cannot be aligned, continuously reinforce track to transfer loads.

26. Install headers over wall openings wider than stud spacing. Locate headers above openings as indicated. Fabricate headers of compound shapes indicated or required to transfer load to supporting studs, complete with clip-angle connectors, web-stiffeners, or gusset plates.
    - A. Frame wall openings with not less than a double stud at each jamb or frame as indicated on shop drawings.
    - B. Install runner tracks and jack studs above and below wall openings. Anchor tracks to jamb studs with clip angles or by welding, and space jack studs same as full-height wall studs.

27. Contractor shall coordinate installation of edge angles with steel erection and metal stud contractor to ensure proper alignment of angles for metal stud installation.

28. OSB or plywood sheathing shall be attached to light gauge framing with #10 TEK screws at 8" o.c. (uno). The screws shall be of sufficient length to penetrate through the cold-formed steel framing member by at least three exposed threads. All screws shall be hot dipped galvanized per ASTM A153 when sheathing is preservative treated or fire retardant treated.

29. All sheathing shall be APA rated sheathing.

30. Galvanized repairs: Prepare and repair damaged galvanized coatings on fabricated and installed cold formed metal framing with galvanized repair paint according to ASTM A 780 and manufacturer's written instructions.

31. Touch up painting: Wire brush, clean, and paint scarred areas, welds, and rust spots on fabricated and installed prime-painted, cold-formed metal framing. Paint framing surfaces with same type of shop paint used on adjacent surfaces.

### Submittals

1. Contractor shall submit fabrication and erection shop drawings to the engineer for review for all cold formed metal framing components and connections indicated on the contract drawings. Any deviation from this design shall be approved by the architect/engineer and additional review costs shall be the responsibility of the contractor. For all framing components and connections not specifically detailed on the structural drawings including trusses, headers, jambs, etc. submit shop drawings and calculations stamped by an engineer registered in the appropriate jurisdiction of the project.

### Quality Assurance

1. Testing: Owner will engage a qualified independent testing agency to perform field quality-control testing.

2. Field and shop welds will be subject to inspection and testing.

3. Testing agency will report test results promptly and in writing to contractor and architect.

4. Remove and replace work that does not comply with specified requirements.

5. Additional testing and inspecting, at contractor's expense, will be performed to determine compliance of corrected work with specified requirements.

## Special Inspections

1. Special inspection is to be provided in addition to the inspections conducted by the department of building safety and shall not be construed to relieve the owner or his authorized agent from requesting the periodic and called inspections required by the applicable building code. Special inspection shall be paid by the owner.

2. In addition to the regular inspections, the following items will also require special inspection in accordance with the applicable building code.
   - A. Structural steel fabrication
   - B. Field welding
   - C. High strength bolts

3. Special inspector shall meet the qualifications as stated in the applicable building code and shall perform the duties and responsibilities as outlined in the applicable building code.

### ABBREVIATIONS

| | |
|---|---|
| A.B. | ANCHOR BOLT |
| A.R. | ANCHOR ROD |
| ADD'L | ADDITIONAL |
| A.F.F. | ABOVE FINISH FLOOR |
| ARCH. | ARCHITECTURAL |
| B/ | BOTTOM OF |
| BLDG. | BUILDING |
| BM. | BEAM |
| BOT. | BOTTOM |
| BRG. | BEARING |
| BTJ | BOLTED TIE JOIST |
| CANT'L | CANTILEVER |
| CFMF | COLD FORMED METAL FRAMING |
| C.I.P. | CAST-IN-PLACE |
| CJ | CONTROL JOINT |
| CL | CENTERLINE |
| CLR. | CLEAR |
| CMU | CONCRETE MASONRY UNIT |
| COL. | COLUMN |
| CONC. | CONCRETE |
| CONSTR. | CONSTRUCTION |
| CONT. | CONTINUOUS |
| C.Y. | CUBIC YARD |
| DBA | DEFORMED BAR ANCHOR |
| DET. | DETAIL |
| DIAG. | DIAGONAL |
| Ø / DIA. | DIAMETER |
| D.L. | DEAD LOAD |
| DWG. | DRAWING |
| E.F. | EACH FACE |
| EJ | EXPANSION JOINT |
| EL. | ELEVATION |
| EMBED. | EMBEDMENT |
| E.S. | EACH SIDE |
| EQ. | EQUAL OR EQUIVALENT |
| EQUIP. | EQUIPMENT |
| E.W. | EACH WAY |
| EXP. | EXPANSION |
| (E) | EXISTING |
| EXT. | EXTERIOR |
| F.D. | FLOOR DRAIN |
| FIN. | FINISH |
| FLG. | FLANGE |
| FLR. | FLOOR |
| F.S. | FAR SIDE OR FOOTING STEP |
| FT. | FEET |
| FTG. | FOOTING |
| GA. | GAUGE |
| GB | GRADE BEAM |
| G.C. | GENERAL CONTRACTOR |
| GALV. | GALVANIZED |
| HD'D | HEADED |
| HORIZ. | HORIZONTAL |
| I.F. | INSIDE FACE |
| INT. | INTERIOR |
| J/B OR J/BRG. | JOIST BEARING |
| k | KIP |
| LG. | LONG |
| L.L. | LIVE LOAD |
| (LLH) | LONG LEG HORIZONTAL |
| (LLV) | LONG LEG VERTICAL |
| (LSH) | LONG SIDE HORIZONTAL |
| (LSV) | LONG SIDE VERTICAL |
| L.W. | LONG WAY |
| MECH. | MECHANICAL |
| MFR. | MANUFACTURER |
| (N) | NEW |
| (N.I.C.) | NOT IN CONTRACT |
| N.S. | NEAR SIDE |
| NTS | NOT TO SCALE |
| O.C. | ON CENTER |
| O.F. | OUTSIDE FACE |
| O/O | OUT TO OUT |
| OPP. | OPPOSITE |
| PC | PRECAST CONCRETE |
| PJ | PANEL JOINT |
| PL | PLATE |
| PSF | POUNDS/SQUARE FOOT |
| PSI | POUNDS/SQUARE INCH |
| RAD. | RADIUS |
| R.D. | ROOF DRAIN |
| REINF. | REINFORCING |
| REQ'D | REQUIRED |
| SECT. | SECTION |
| SIM. | SIMILAR TO |
| S.O.G. | SLAB ON GRADE |
| SP. | SPACES |
| SQ. | SQUARE |
| STIFF. | STIFFENER |
| STL. | STEEL |
| STRUCT. | STRUCTURAL |
| S.W. | SHORT WAY |
| SYM. | SYMMETRICAL |
| T/ | TOP OF |
| TYP. | TYPICAL |
| UNO | UNLESS NOTED OTHERWISE |
| VERT. | VERTICAL |
| V.I.F. | VERIFY IN FIELD |
| W.P. | WORK POINT |
| W.W.R. | WELDED WIRE REINFORCEMENT |
| W/ | WITH |

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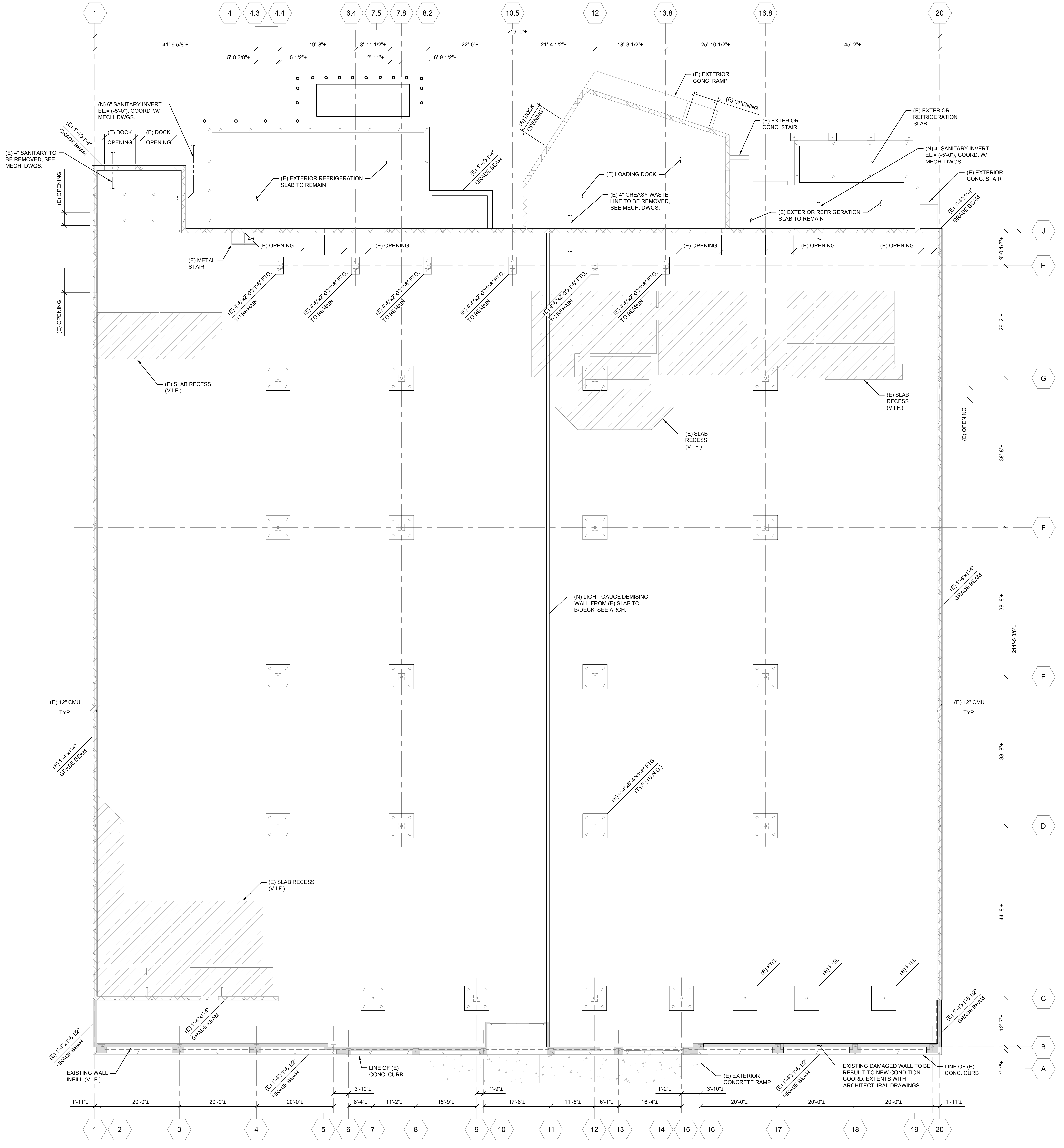
STATE OF LOUISIANA
DAVID L. NEMETH
License No. 32951
PROFESSIONAL ENGINEER
IN
STRUCTURAL ENGINEERING

GENERAL NOTES
& SPECIFICATIONS

2525A S001


1
4
4.3
4.4
6.4
7.5
7.8
8.2
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12
13.8
16.8
20
219'-0"±
41'-9 5/8"±
19'-8"±
8'-11 1/2"±
22'-0"±
21'-4 1/2"±
18'-3 1/2"±
25'-10 1/2"±
45'-2"±
5'-8 3/8"±
5 1/2"±
2'-11"±
6'-9 1/2"±
(N) 6" SANITARY INVERT EL.= (-5'-0"), COORD. W/ MECH. DWGS.
(E) 1'-4"x1'-4" GRADE BEAM
(E) DOCK OPENING
(E) DOCK OPENING
(E) 4" SANITARY TO BE REMOVED, SEE MECH. DWGS.
(E) OPENING
(E) OPENING
(E) EXTERIOR REFRIGERATION SLAB TO REMAIN
(E) 1'-4"x1'-4" GRADE BEAM
(E) DOCK OPENING
(E) EXTERIOR CONC. RAMP
(E) OPENING
(E) EXTERIOR CONC. STAIR
(E) LOADING DOCK
(E) 4" GREASY WASTE LINE TO BE REMOVED, SEE MECH. DWGS.
(E) EXTERIOR REFRIGERATION SLAB
(N) 4" SANITARY INVERT EL.= (-5'-0"), COORD. W/ MECH. DWGS.
(E) EXTERIOR CONC. STAIR
(E) EXTERIOR REFRIGERATION SLAB TO REMAIN
(E) 1'-4"x1'-4" GRADE BEAM
(E) METAL STAIR
(E) OPENING
(E) OPENING
(E) OPENING
(E) OPENING
(E) OPENING
(E) 4'-6"x2'-0"x1'-8" FTG. TO REMAIN
(E) 4'-6"x2'-0"x1'-8" FTG. TO REMAIN
(E) 4'-6"x2'-0"x1'-8" FTG. TO REMAIN
(E) 4'-6"x2'-0"x1'-8" FTG. TO REMAIN
(E) 4'-6"x2'-0"x1'-8" FTG. TO REMAIN
(E) 4'-6"x2'-0"x1'-8" FTG. TO REMAIN
J
H
G
F
E
D
C
B
A
9'-0 1/2"±
29'-2"±
38'-8"±
38'-8"±
38'-8"±
44'-8"±
12'-7"±
1'-1"±
211'-5 3/8"±
(E) SLAB RECESS (V.I.F.)
(E) SLAB RECESS (V.I.F.)
(E) SLAB RECESS (V.I.F.)
(E) OPENING
(N) LIGHT GAUGE DEMISING WALL FROM (E) SLAB TO B/DECK, SEE ARCH.
(E) 1'-4"x1'-4" GRADE BEAM
(E) 12" CMU TYP.
(E) 12" CMU TYP.
(E) 1'-4"x1'-4" GRADE BEAM
(E) 6'-4"x6'-4"x1'-8" FTG. (TYP.) (U.N.O.)
(E) SLAB RECESS (V.I.F.)
(E) FTG.
(E) FTG.
(E) FTG.
(E) 1'-4"x1'-8 1/2" GRADE BEAM
(E) 1'-4"x1'-8 1/2" GRADE BEAM
(E) 1'-4"x1'-4" GRADE BEAM
EXISTING WALL INFILL (V.I.F.)
(E) 1'-4"x1'-8 1/2" GRADE BEAM
LINE OF (E) CONC. CURB
(E) EXTERIOR CONCRETE RAMP
(E) 1'-4"x1'-8 1/2" GRADE BEAM
EXISTING DAMAGED WALL TO BE REBUILT TO NEW CONDITION. COORD. EXTENTS WITH ARCHITECTURAL DRAWINGS
LINE OF (E) CONC. CURB
3'-10"±
1'-9"±
1'-2"±
3'-10"±
1'-11"±
20'-0"±
20'-0"±
20'-0"±
6'-4"±
11'-2"±
15'-9"±
17'-6"±
11'-5"±
6'-1"±
16'-4"±
20'-0"±
20'-0"±
20'-0"±
1'-11"±
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# EXISTING FOUNDATION PLAN

3/32" = 1'-0"

NOTES:

- EXISTING FLOOR CONSTRUCTION: 4" CONCRETE SLAB ON GRADE OVER EXISTING FILL MATERIAL.
- TOP OF SLAB ON GRADE ELEVATION = 0'-0". PROJECT DATUM ELEVATION = XXX'-XX" USGS.
- ELEVATIONS NOTED THUS (+X'-X") ARE TO TOP OF FOOTING REFERENCED FROM SLAB ON GRADE ELEVATION (UNO).
- TOP OF INTERIOR FOOTING ELEVATION = (-1'-4") (UNO).
- TOP OF EXTERIOR FOOTING ELEVATION = (-2'-0") (UNO).
- CONTINUOUS FOOTINGS ARE MARKED THUS: $\frac{\text{WIDTH x DEPTH}}{\text{(TOP OF FTG. EL.)}}$
- COORDINATE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITY LINES CROSSING OR ADJACENT TO FOUNDATIONS WITH PLUMBING, MECH., ELEC., F.P., CIVIL, ETC.
- SEE ARCHITECTURAL DRAWINGS FOR EXTENT AND FINISH OF SLAB ON GRADE AND ANY FLOOR DEPRESSIONS, UNDERFLOOR CONDUITS, DRAINS, ETC.
- SEE SHEET S001 FOR GENERAL NOTES & SPECIFICATIONS.
- SEE SHEET S300 FOR TYPICAL DETAILS.
- (E) DENOTES EXISTING CONSTRUCTION.

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3030 W. Streetsboro
Richfield, OH 44286

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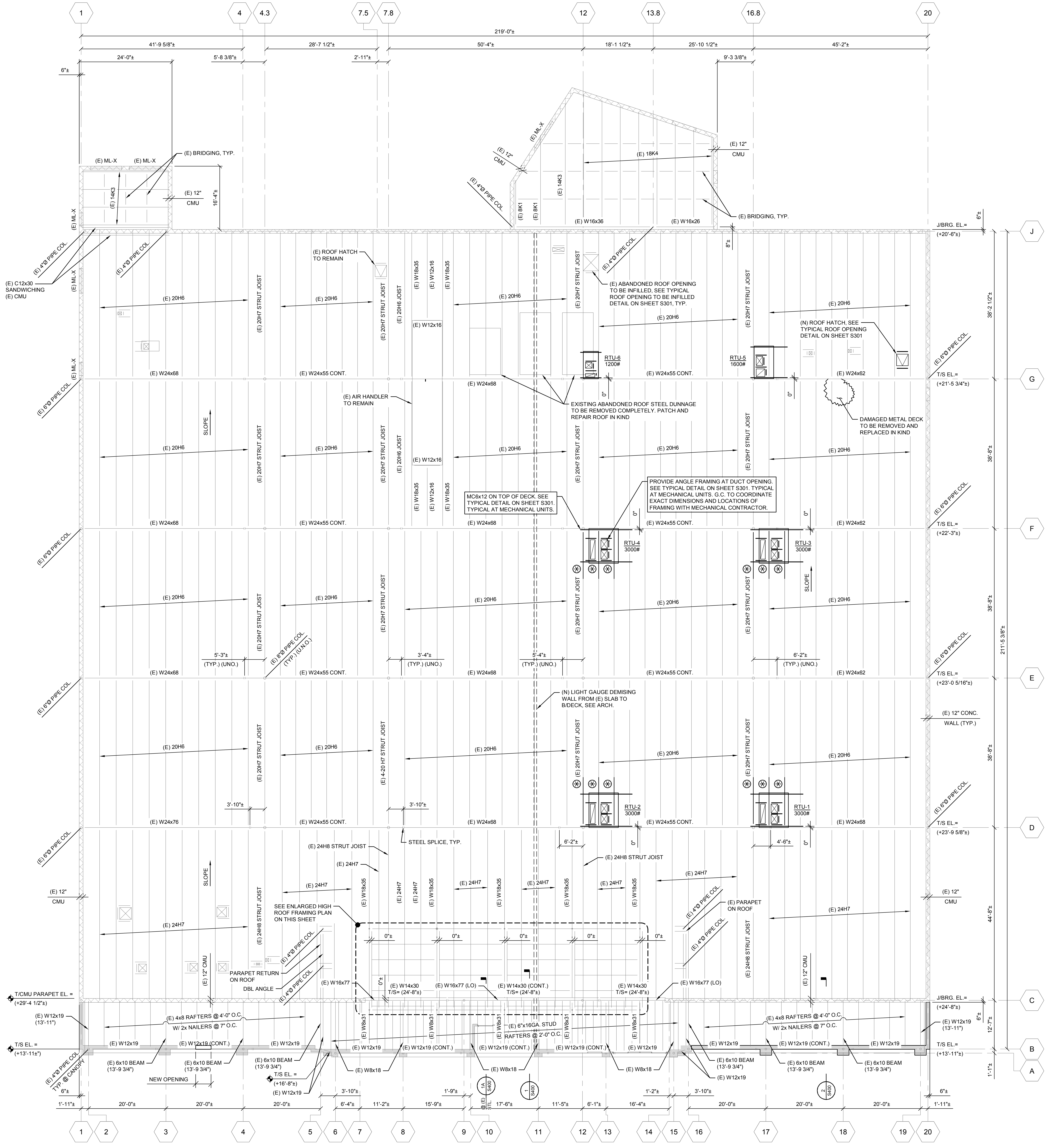
DAVID L. NEMETH
License No. 32951
9/8/26

EXISTING
FOUNDATION PLAN

2525A S100



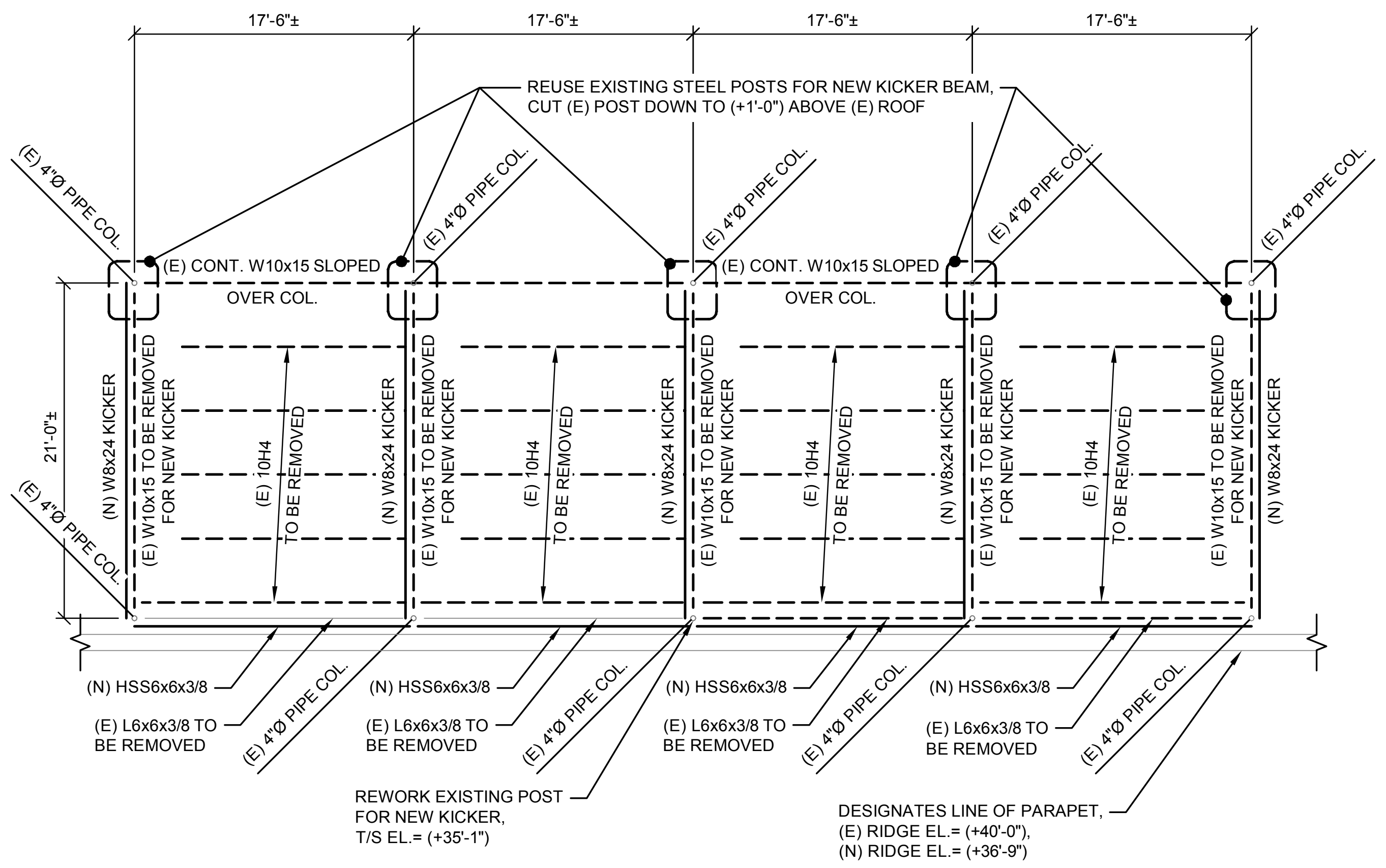
## EXISTING ROOF FRAMING PLAN

3/32" = 1'-0"

NOTES:

- EXISTING ROOF CONSTRUCTION: 1 1/2" PAINTED WIDE RIB DECK (TYPE B) WELDED TO SUPPORT STEEL.
- J/B = ROOF JOIST BEARING ELEVATION REFERENCED FROM PROJECT DATUM SLAB ON GRADE ELEVATION. SEE FOUNDATION PLAN NOTES.
- ROOF BEAM ELEVATION NOTED THUS (±) INDICATE TOP OF BEAM ABOVE OR BELOW J/B ELEVATION NOTED.
- COORDINATE ALL OPENINGS AND EDGE CONDITIONS WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. SEE SHEET S301 FOR TYPICAL OPENING DETAIL.
- SEE SHEET S001 FOR GENERAL NOTES AND SPECIFICATIONS.
- SEE SHEET S301 FOR TYPICAL DETAILS.
- JOISTS ARE DESIGNED TO SUPPORT EQUIPMENT INDICATED ON PLAN. IF EQUIPMENT LOCATION VARIES OR WEIGHT EXCEEDS THAT NOTED THEN NOTIFY ENGINEER.
- ⊛ DENOTES EXISTING JOIST TO BE REINFORCED. SEE JOIST REINFORCING DETAILS ON SHEET S301.
- (E) DENOTES EXISTING CONSTRUCTION.

NEW ROOF MEMBRANE OVER NEW RIGID ROOF INSULATION OVER EXISTING METAL ROOF DECK. PATCH AND REPAIR ANY LOOSE, SAGGING, OR DAMAGED AREAS OF ROOF DECKING AS REQUIRED TO PROVIDE A SOUND ROOF STRUCTURE


17'-6"±
17'-6"±
17'-6"±
17'-6"±
REUSE EXISTING STEEL POSTS FOR NEW KICKER BEAM, CUT (E) POST DOWN TO (+1'-0") ABOVE (E) ROOF
(E) 4"Ø PIPE COL.
(E) CONT. W10x15 SLOPED OVER COL.
(E) CONT. W10x15 SLOPED OVER COL.
21'-0"±
(N) W8x24 KICKER
(E) W10x15 TO BE REMOVED FOR NEW KICKER
(E) 10H4 TO BE REMOVED
(N) HSS6x6x3/8
(E) L6x6x3/8 TO BE REMOVED
REWORK EXISTING POST FOR NEW KICKER, T/S EL.= (+35'-1")
DESIGNATES LINE OF PARAPET, (E) RIDGE EL.= (+40'-0"), (N) RIDGE EL.= (+36'-9")

## ENLARGED EXISTING HIGH ROOF FRAMING PLAN

1/8" = 1'-0"

NOTES:

- SEE PLAN NOTES ON THIS SHEET FOR MORE INFORMATION.

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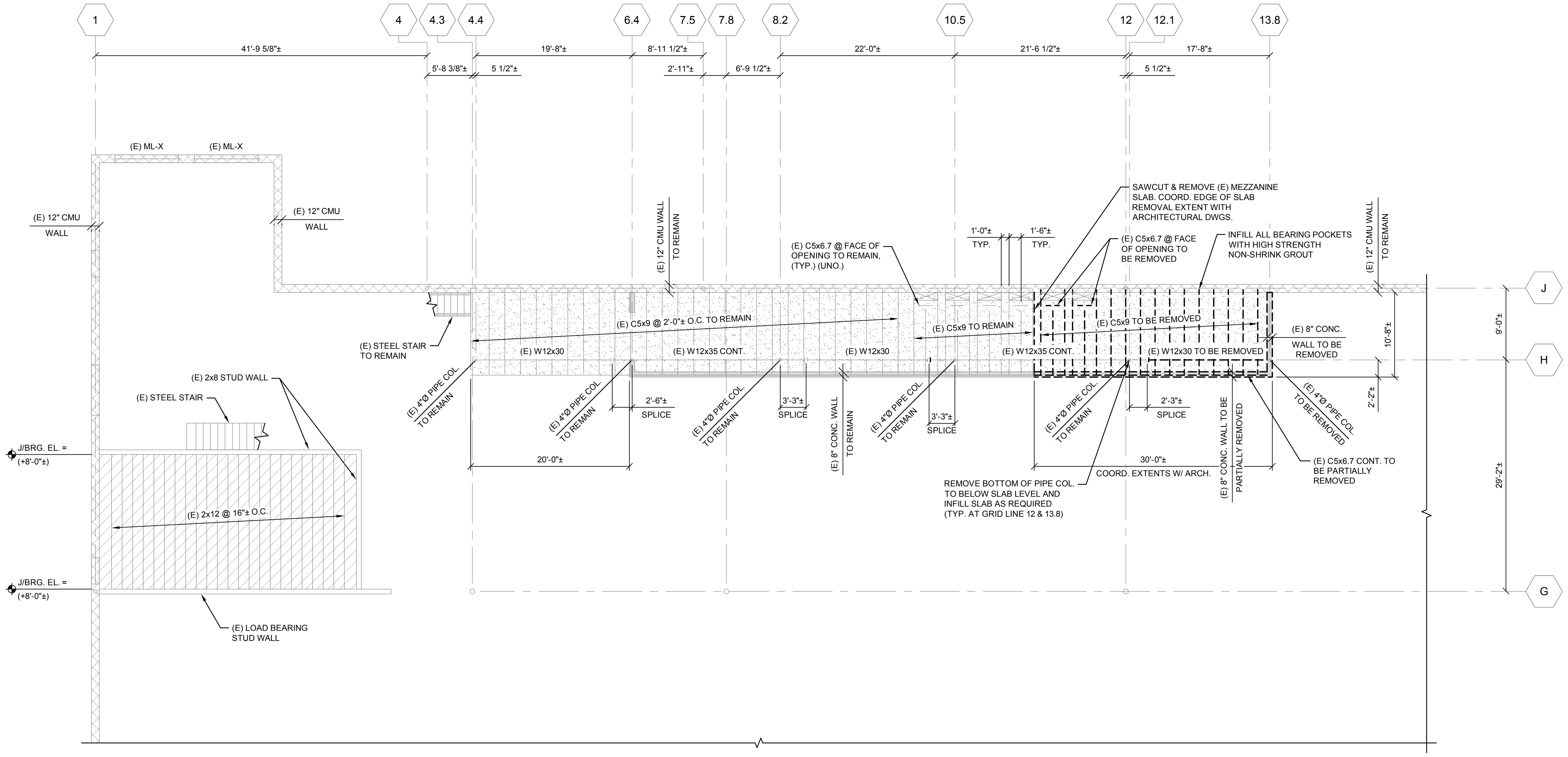
DAVID L. SCHETH

EXISTING ROOF
FRAMING PLANS

2525A S101



## EXISTING MEZZANINE FRAMING PLANS

1/8" = 1'-0"

NOTES:

- ▒ DENOTES EXISTING CONCRETE AND STEEL MEZZANINE CONSTRUCTION: 3" NORMAL WEIGHT CONCRETE ON 9/16"x20GA. METAL DECK OVER STEEL CHANNELS.
- TOP OF EXISTING CONCRETE ELEVATION = +10'-0"± (V.I.F.). ELEVATIONS ARE REFERENCED FROM PROJECT DATUM / SLAB ON GRADE ELEVATION OF 0'-0".
- ▨ DENOTES EXISTING TIMBER FRAMED MEZZANINE CONSTRUCTION: 5/8" PLYWOOD OVER 2x FRAMING AT 16" O.C.
- TOP OF EXISTING PLYWOOD ELEVATION = +9'-0"± (V.I.F.). ELEVATIONS ARE REFERENCED FROM PROJECT DATUM / SLAB ON GRADE ELEVATION OF 0'-0".
- – – – DENOTES EXISTING CONSTRUCTION TO BE DEMOLISHED. COORDINATE EXTENTS WITH ARCHITECTURAL DRAWINGS. G.C. TO COORDINATE SEQUENCE OF DEMOLITION WITH EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, SEE MECHANICAL AND ELECTRICAL DRAWINGS.
- (E) DENOTES EXISTING CONSTRUCTION.

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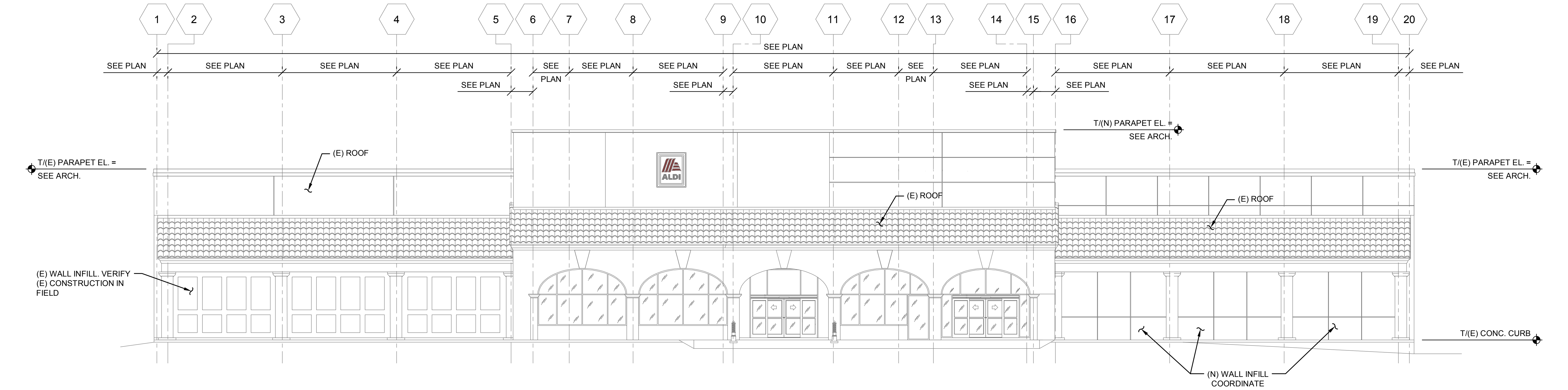
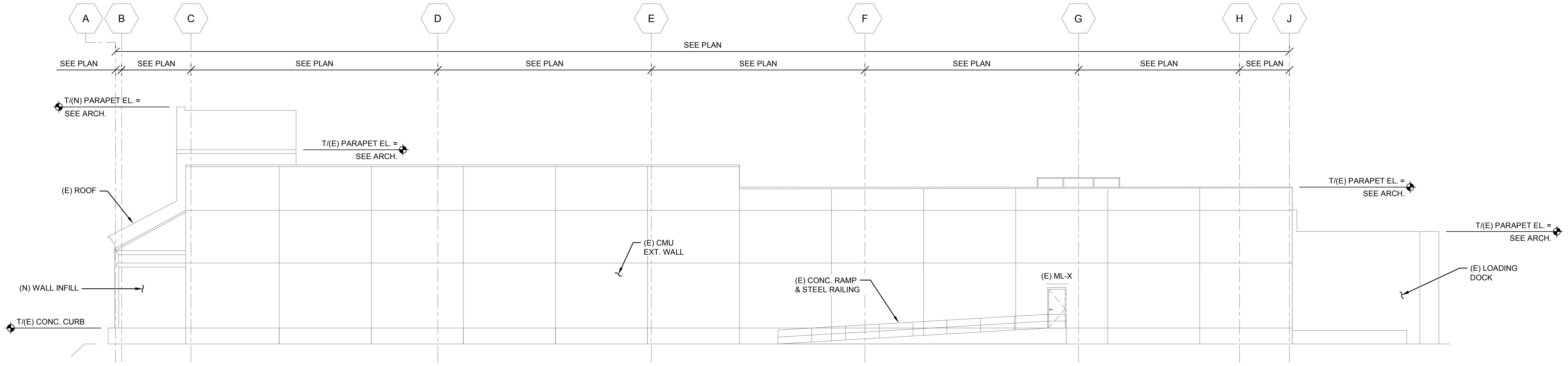
EXISTING MEZZANINE
FRAMING PLANS

2525A S102



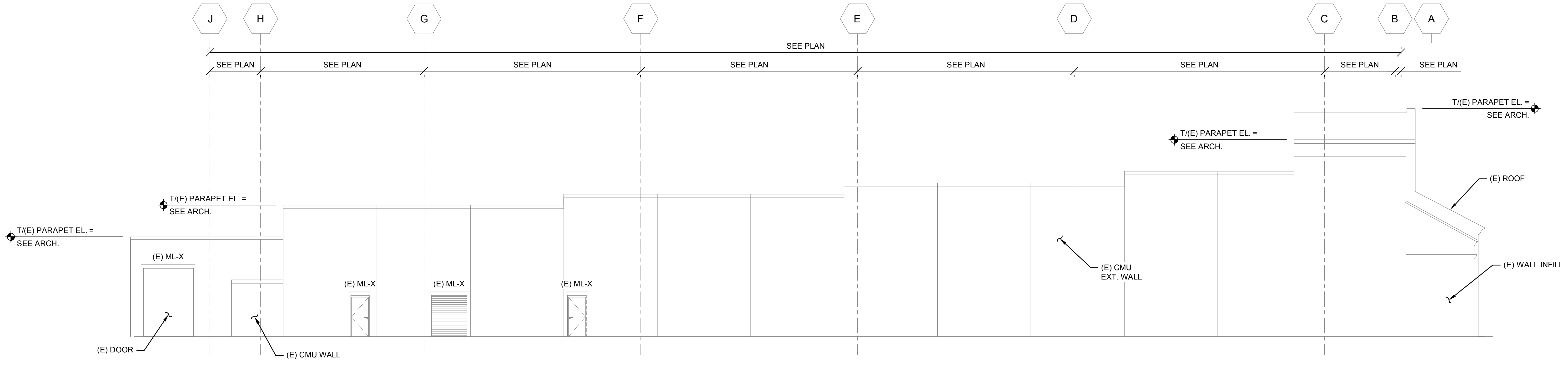
SECTION A
3/32" = 1'-0"

- SEE PLAN NOTES ON S100 AND S101 FOR MORE INFORMATION.



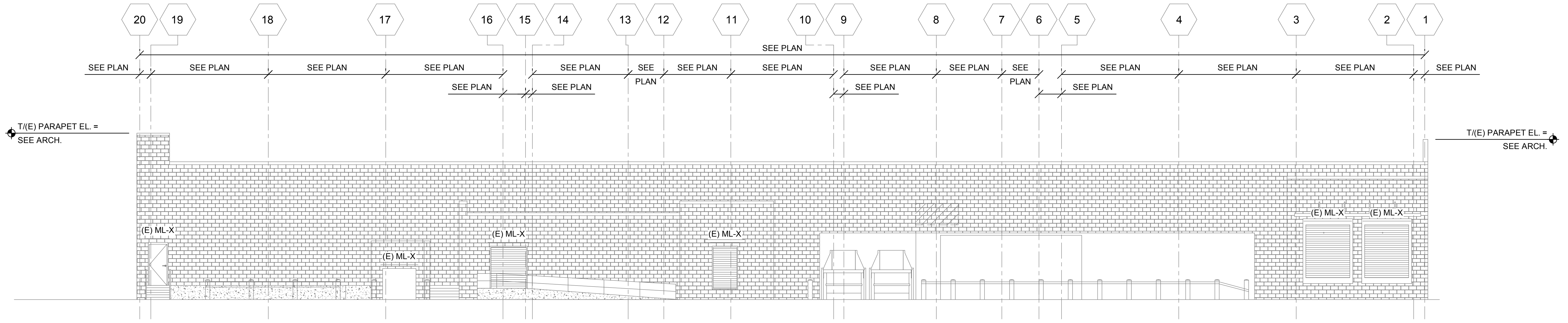
SECTION B
3/32" = 1'-0"

- SEE PLAN NOTES ON S100 AND S101 FOR MORE INFORMATION.



SECTION C
3/32" = 1'-0"

- SEE PLAN NOTES ON S100 AND S101 FOR MORE INFORMATION.



SECTION D
3/32" = 1'-0"

- SEE PLAN NOTES ON S100 AND S101 FOR MORE INFORMATION.

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New Orleans, LA

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Aub Properties Inc.
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
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3030 W. Streetsboro
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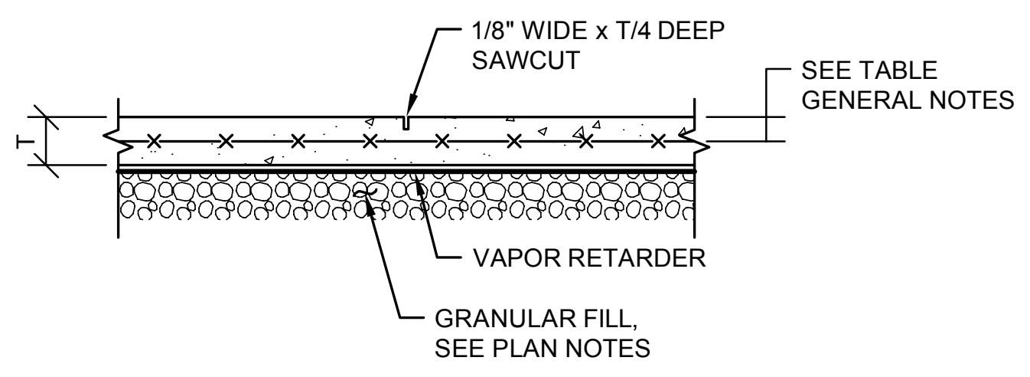
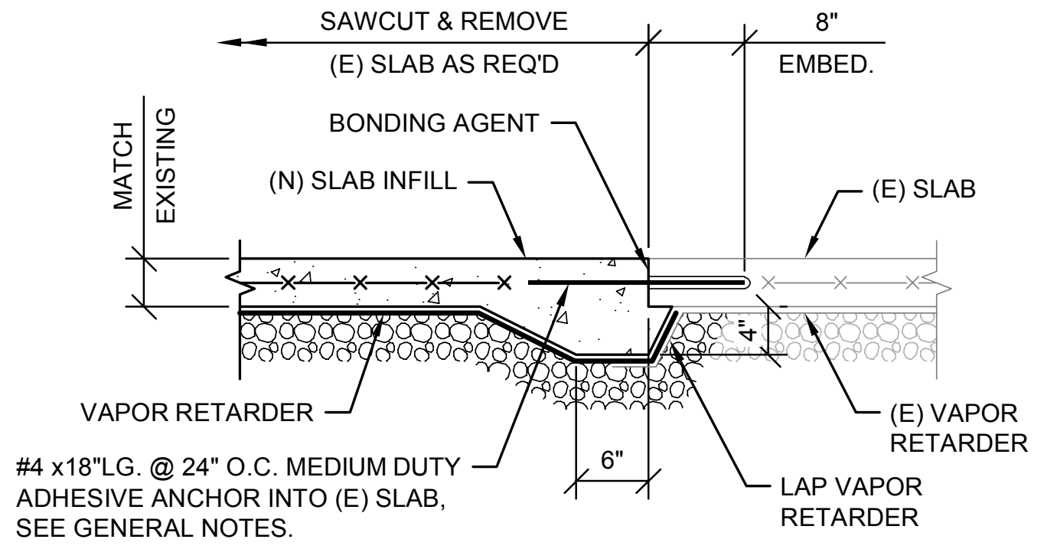
ELEVATIONS

2525A S200



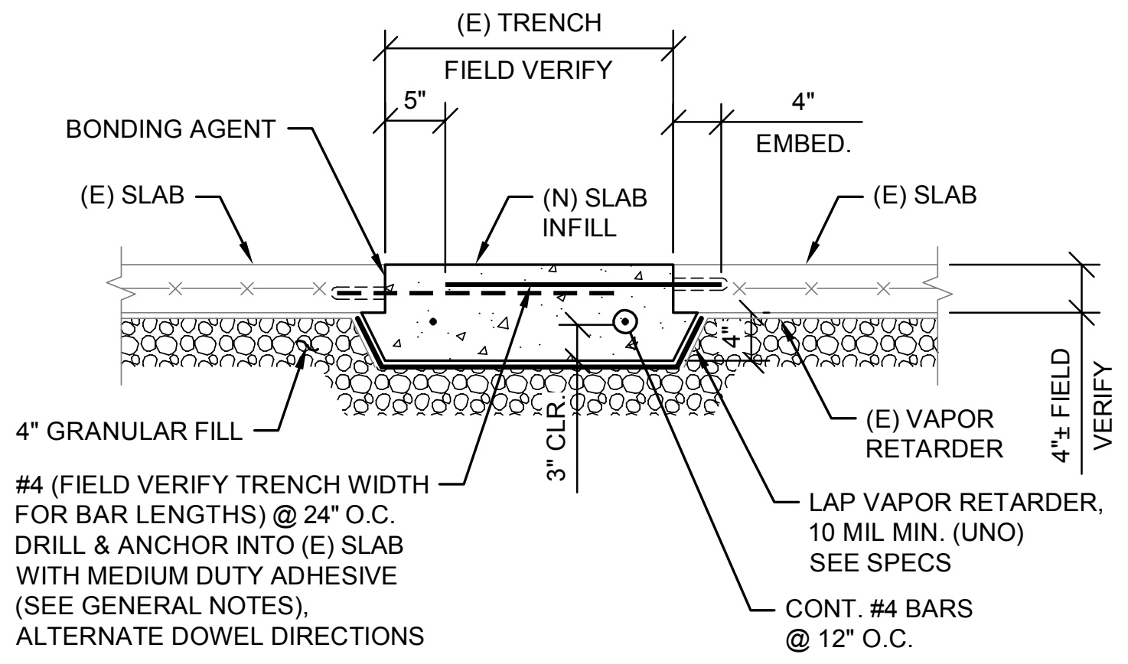
CONTROL JOINT

(IF REQUIRED)



TYPICAL SLAB INFILL DETAIL

(IF REQUIRED)



TYPICAL TRENCH INFILL DETAIL

(IF REQUIRED)

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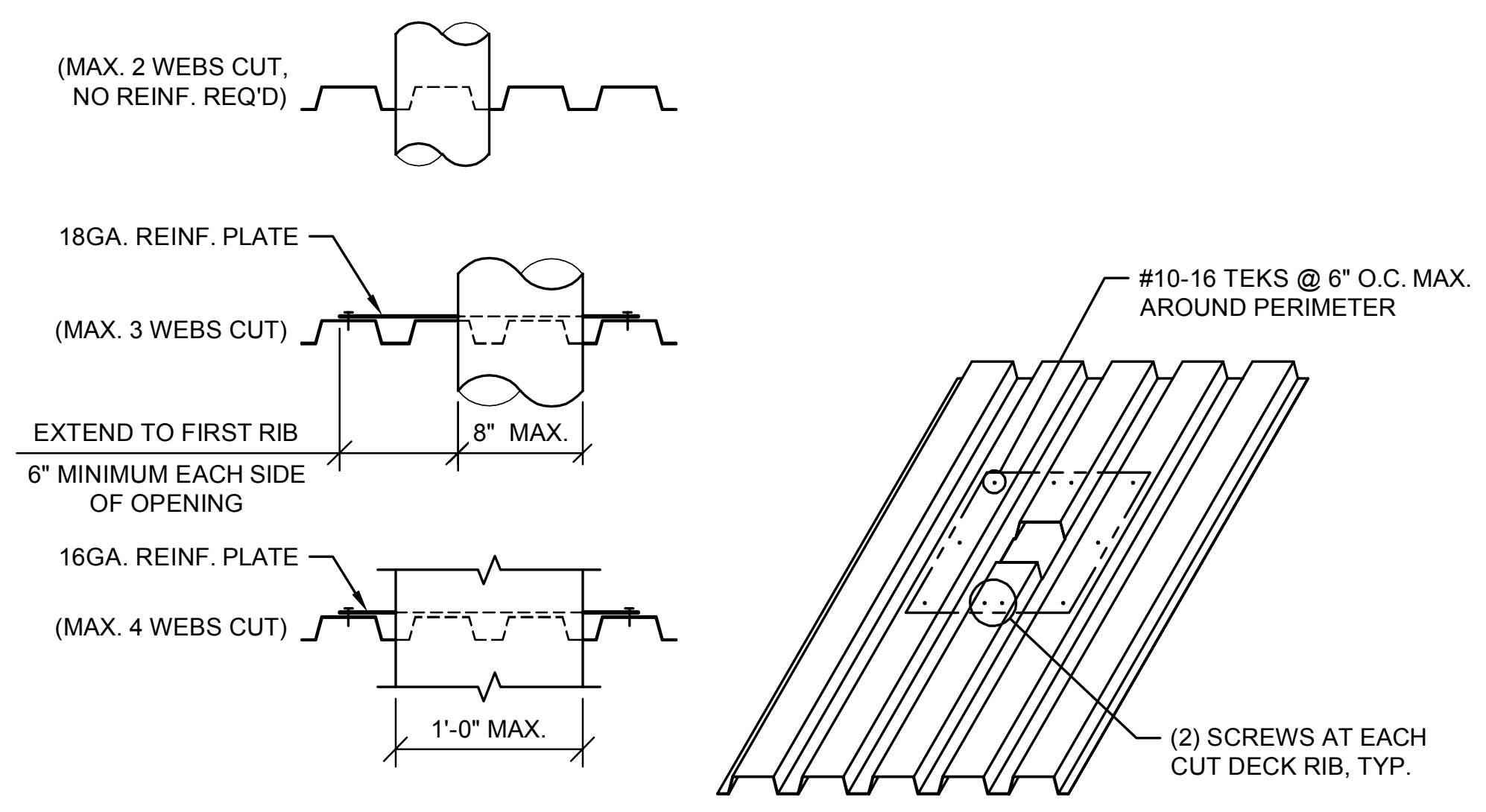
TYPICAL FOUNDATION DETAILS

2525A S300

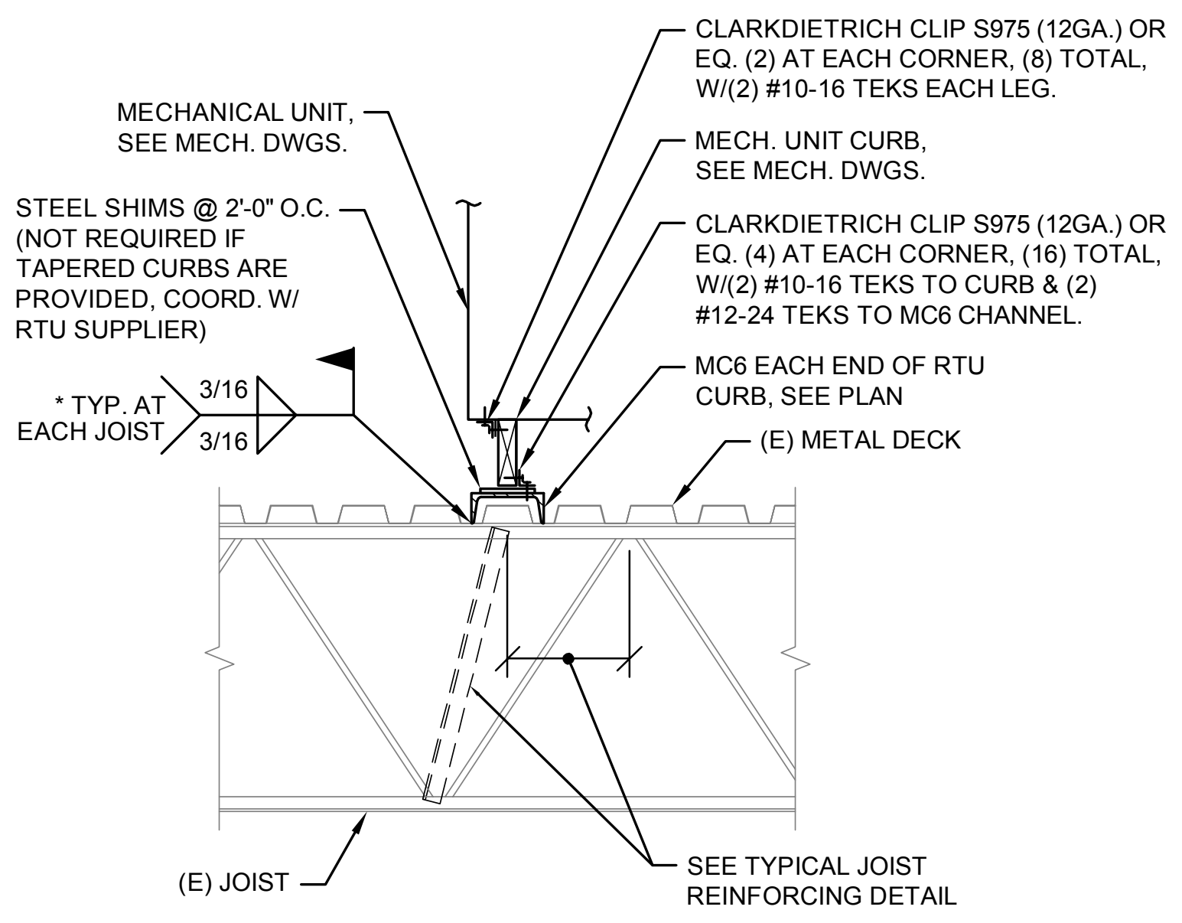


1 1/2" TYPE B DECK

## TYPICAL ROOF DECK PENETRATION REINFORCING DETAILS

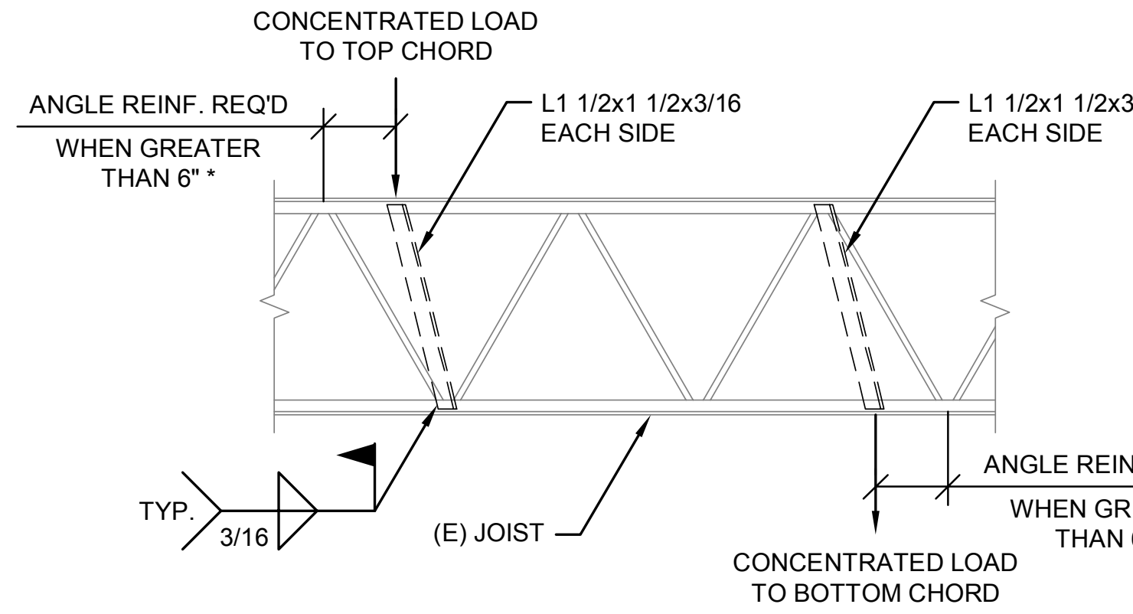
NOTES:

- HOLES ARE LIMITED TO ONE PER SPAN PER DECK SHEET. FOR MULTIPLE HOLES, CONSULT ENGINEER OR PROVIDE SUPPORT FRAME PER TYPICAL ROOF OPENING DETAIL.
- SEE TYPICAL ROOF OPENING DETAIL FOR OPENINGS GREATER THAN 12".


CLARKDIETRICH CLIP S975 (12GA.) OR EQ. (2) AT EACH CORNER, (8) TOTAL, W/(2) #10-16 TEKS EACH LEG.
MECHANICAL UNIT, SEE MECH. DWGS.
MECH. UNIT CURB, SEE MECH. DWGS.
STEEL SHIMS @ 2'-0" O.C. (NOT REQUIRED IF TAPERED CURBS ARE PROVIDED, COORD. W/ RTU SUPPLIER)
CLARKDIETRICH CLIP S975 (12GA.) OR EQ. (4) AT EACH CORNER, (16) TOTAL, W/(2) #10-16 TEKS TO CURB & (2) #12-24 TEKS TO MC6 CHANNEL.
MC6 EACH END OF RTU CURB, SEE PLAN
* TYP. AT EACH JOIST
3/16
3/16
(E) METAL DECK
(E) JOIST
SEE TYPICAL JOIST REINFORCING DETAIL

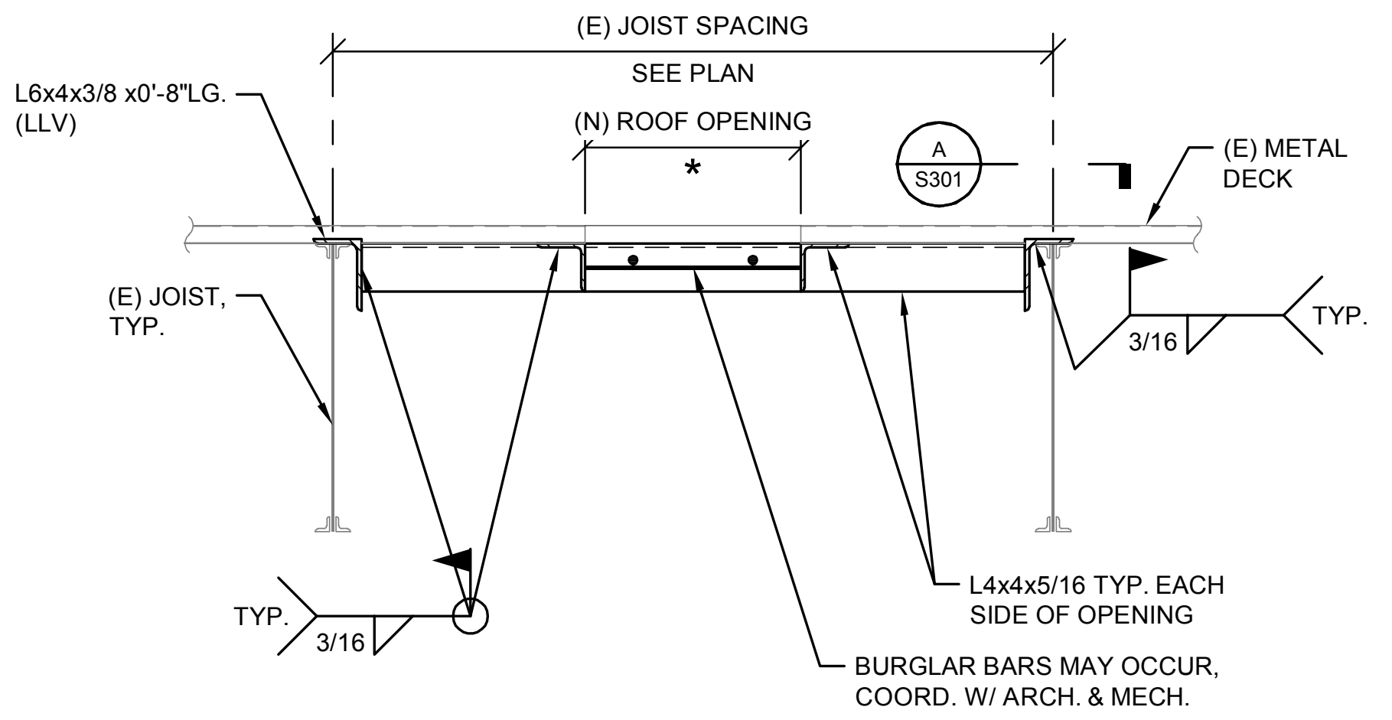
* USE CAUTION WHEN WELDING AS NOT TO DAMAGE JOIST.

## TYPICAL ROOFTOP MECHANICAL UNIT SUPPORTS


CONCENTRATED LOAD TO TOP CHORD
ANGLE REINF. REQ'D
WHEN GREATER THAN 6" *
L1 1/2x1 1/2x3/16 EACH SIDE
L1 1/2x1 1/2x3/16 EACH SIDE
TYP.
3/16
(E) JOIST
ANGLE REINF. REQ'D
WHEN GREATER THAN 6" *
CONCENTRATED LOAD TO BOTTOM CHORD

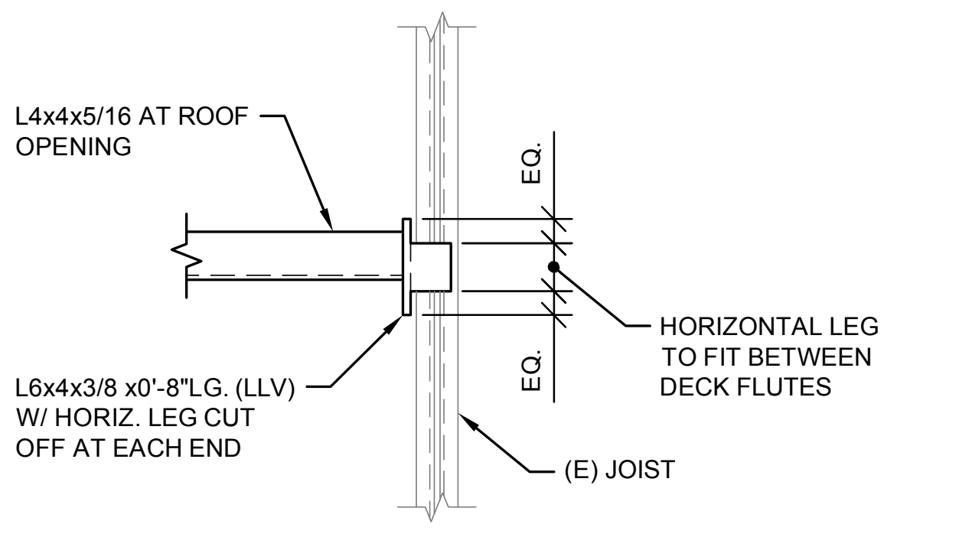
* ANGLE REINFORCEMENT NOT REQUIRED WHEN SUM OF CONCENTRATED LOADS WITHIN CHORD PANEL DOES NOT EXCEED 100 LBS. AND THE ATTACHMENTS ARE CONCENTRIC TO CHORD.

## TYPICAL EXISTING JOIST REINFORCING DETAIL



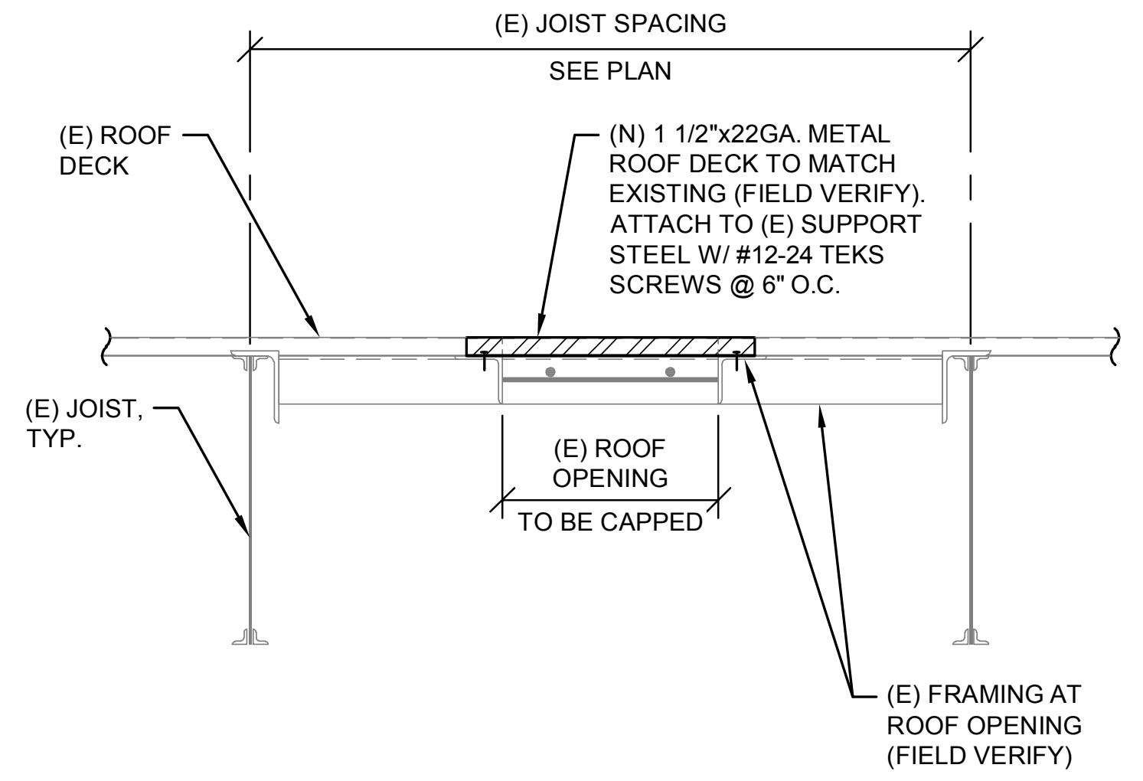
* FOR ALL ROOF OPENINGS 12" OR GREATER. COORD. OPENING SIZES AND LOCATIONS WITH ARCHITECT & MECHANICAL CONTRACTOR.

## TYPICAL ROOF OPENING DETAIL


L4x4x5/16 AT ROOF OPENING
EQ.
EQ.
HORIZONTAL LEG TO FIT BETWEEN DECK FLUTES
L6x4x3/8 x0'-8"LG. (LLV) W/ HORIZ. LEG CUT OFF AT EACH END
(E) JOIST

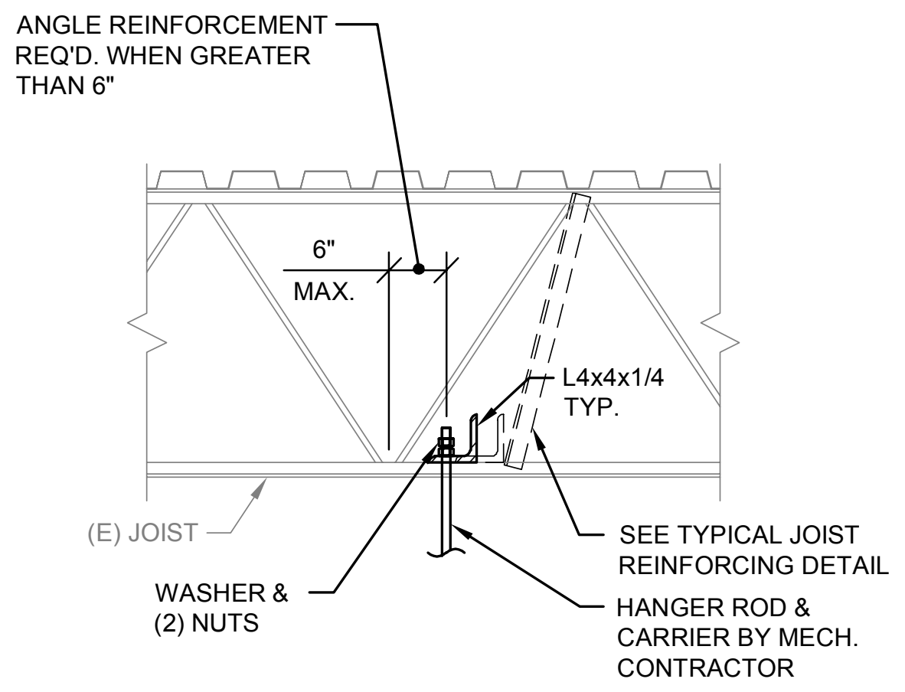
## DETAIL A

3/4" = 1'-0"

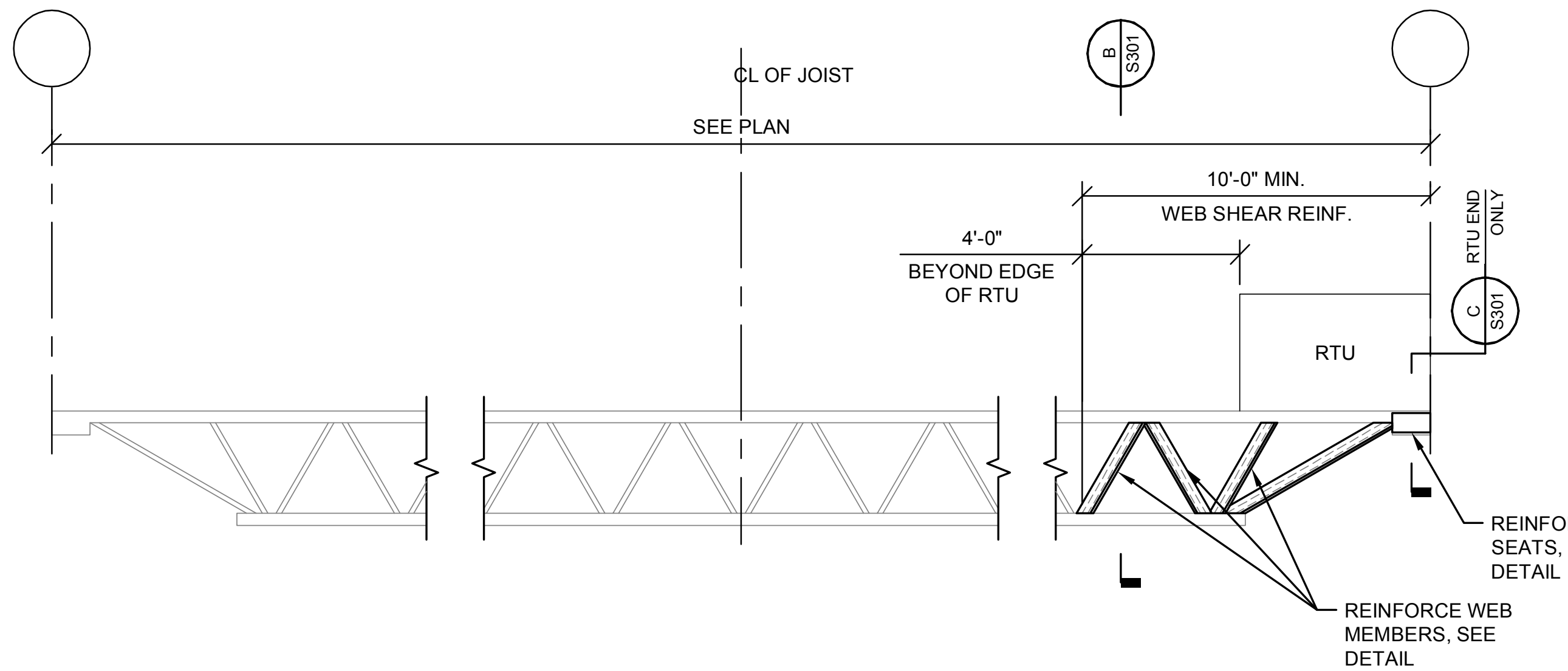

(E) JOIST SPACING
SEE PLAN
(E) ROOF DECK
(N) 1 1/2"x22GA. METAL ROOF DECK TO MATCH EXISTING (FIELD VERIFY). ATTACH TO (E) SUPPORT STEEL W/ #12-24 TEKS SCREWS @ 6" O.C.
(E) JOIST, TYP.
(E) ROOF OPENING
TO BE CAPPED
(E) FRAMING AT ROOF OPENING (FIELD VERIFY)

CONTRACTOR TO FIELD VERIFY SIZES, QUANTITIES AND LOCATIONS OF ROOF OPENINGS TO BE CAPPED.

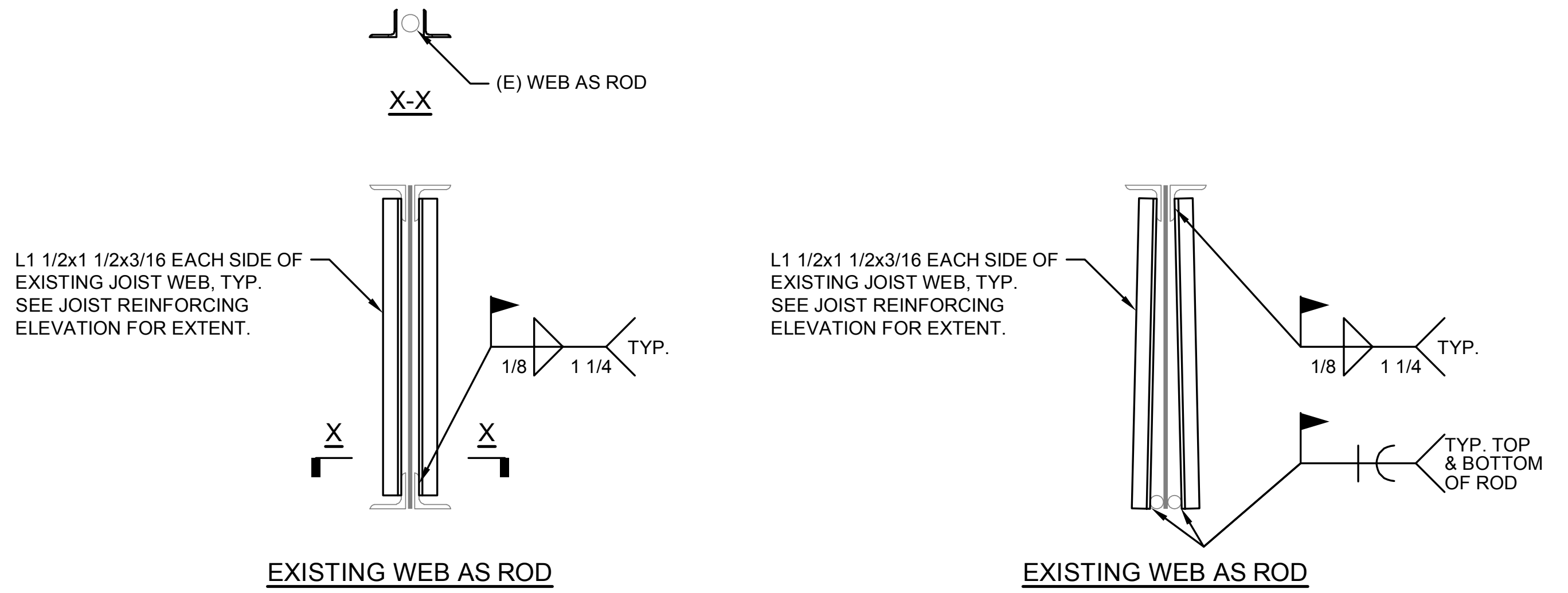
## TYPICAL EXISTING ROOF OPENING TO BE INFILLED


ANGLE REINFORCEMENT REQ'D. WHEN GREATER THAN 6"
6"
MAX.
L4x4x1/4 TYP.
(E) JOIST
WASHER & (2) NUTS
SEE TYPICAL JOIST REINFORCING DETAIL
HANGER ROD & CARRIER BY MECH. CONTRACTOR

## PIPE HANGER CONN. DETAIL



## EXISTING JOIST REINFORCING ELEVATION

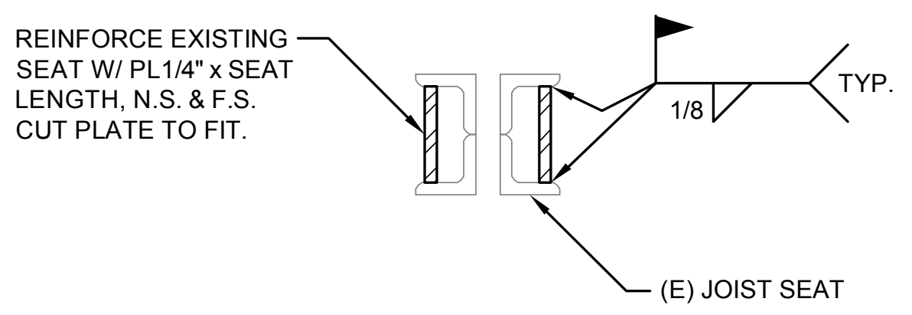

(E) WEB AS ROD
X-X
L1 1/2x1 1/2x3/16 EACH SIDE OF EXISTING JOIST WEB, TYP. SEE JOIST REINFORCING ELEVATION FOR EXTENT.
1/8
1 1/4
TYP.
X
X
L1 1/2x1 1/2x3/16 EACH SIDE OF EXISTING JOIST WEB, TYP. SEE JOIST REINFORCING ELEVATION FOR EXTENT.
1/8
1 1/4
TYP.
TYP. TOP & BOTTOM OF ROD

EXISTING WEB AS ROD WITH ANGLE CHORDS

EXISTING WEB AS ROD WITH BAR BOTTOM CHORD

## DETAIL B

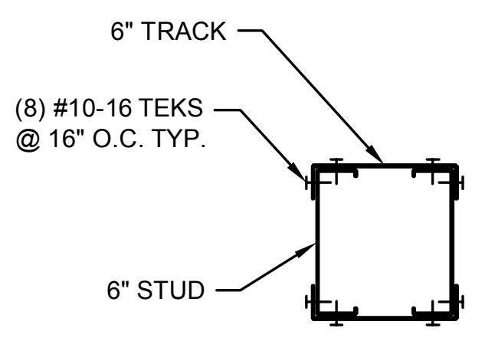
3/4" = 1'-0"


REINFORCE EXISTING SEAT W/ PL1/4" x SEAT LENGTH, N.S. & F.S. CUT PLATE TO FIT.
1/8
TYP.
(E) JOIST SEAT

JOIST SEAT REINFORCEMENT

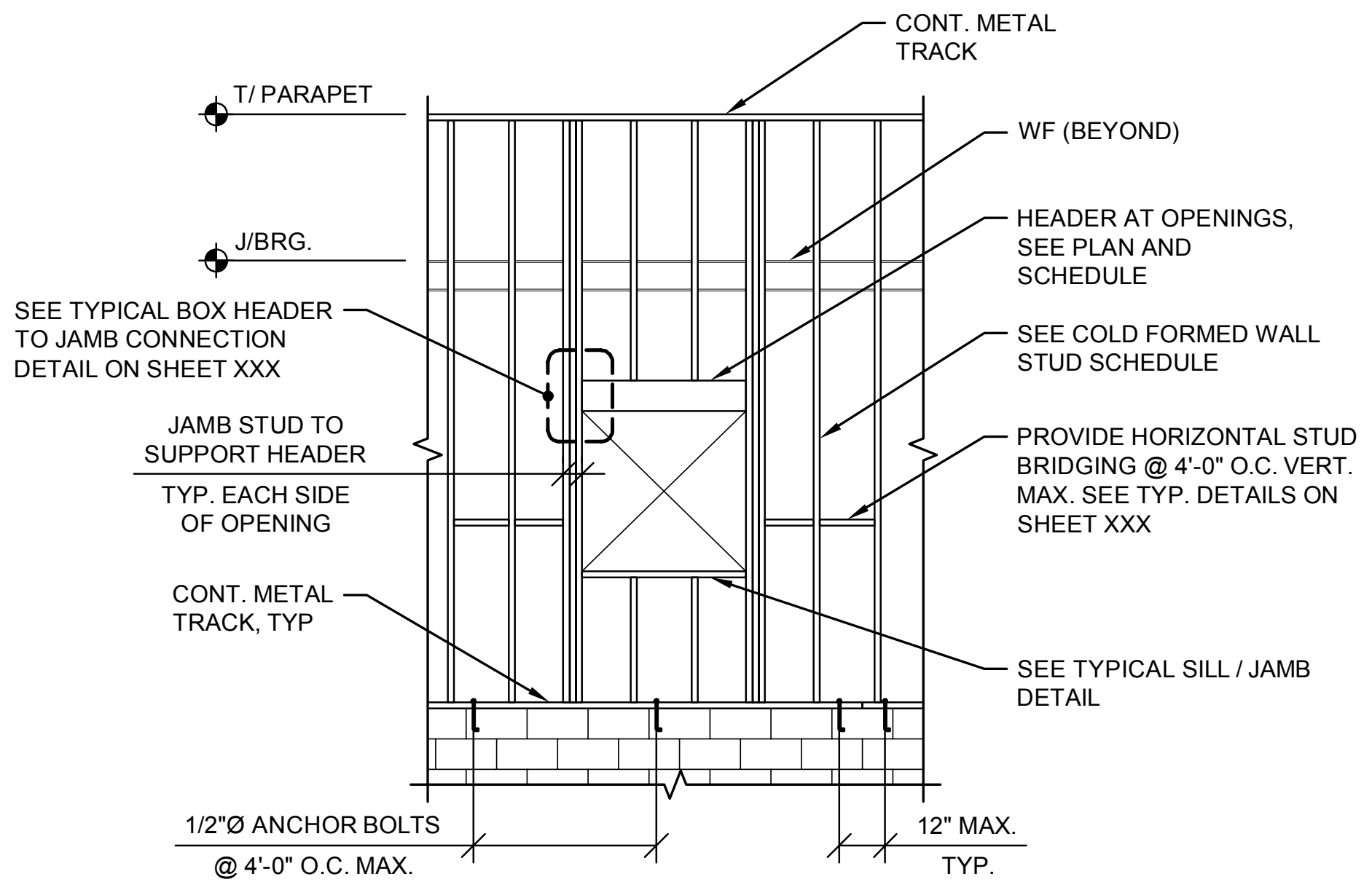
## DETAIL C

3" = 1'-0"



6x6

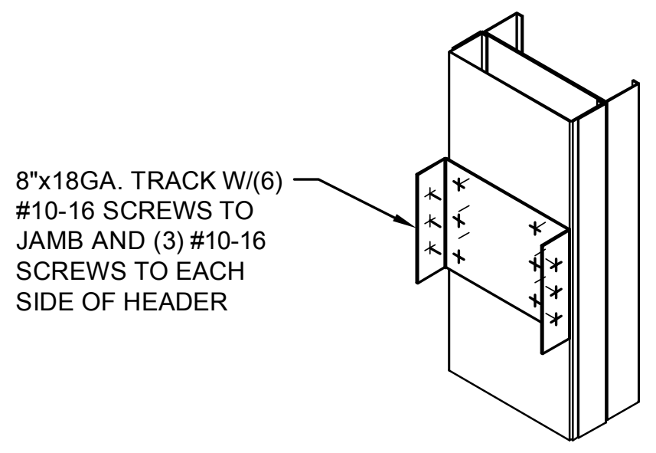
## COLD FORMED HEADER PROFILES


CONT. METAL TRACK
T/ PARAPET
WF (BEYOND)
J/BRG.
HEADER AT OPENINGS, SEE PLAN AND SCHEDULE
SEE TYPICAL BOX HEADER TO JAMB CONNECTION DETAIL ON SHEET XXX
SEE COLD FORMED WALL STUD SCHEDULE
JAMB STUD TO SUPPORT HEADER
TYP. EACH SIDE OF OPENING
PROVIDE HORIZONTAL STUD BRIDGING @ 4'-0" O.C. VERT. MAX. SEE TYP. DETAILS ON SHEET XXX
CONT. METAL TRACK, TYP
SEE TYPICAL SILL / JAMB DETAIL
1/2"Ø ANCHOR BOLTS
@ 4'-0" O.C. MAX.
12" MAX.
TYP.

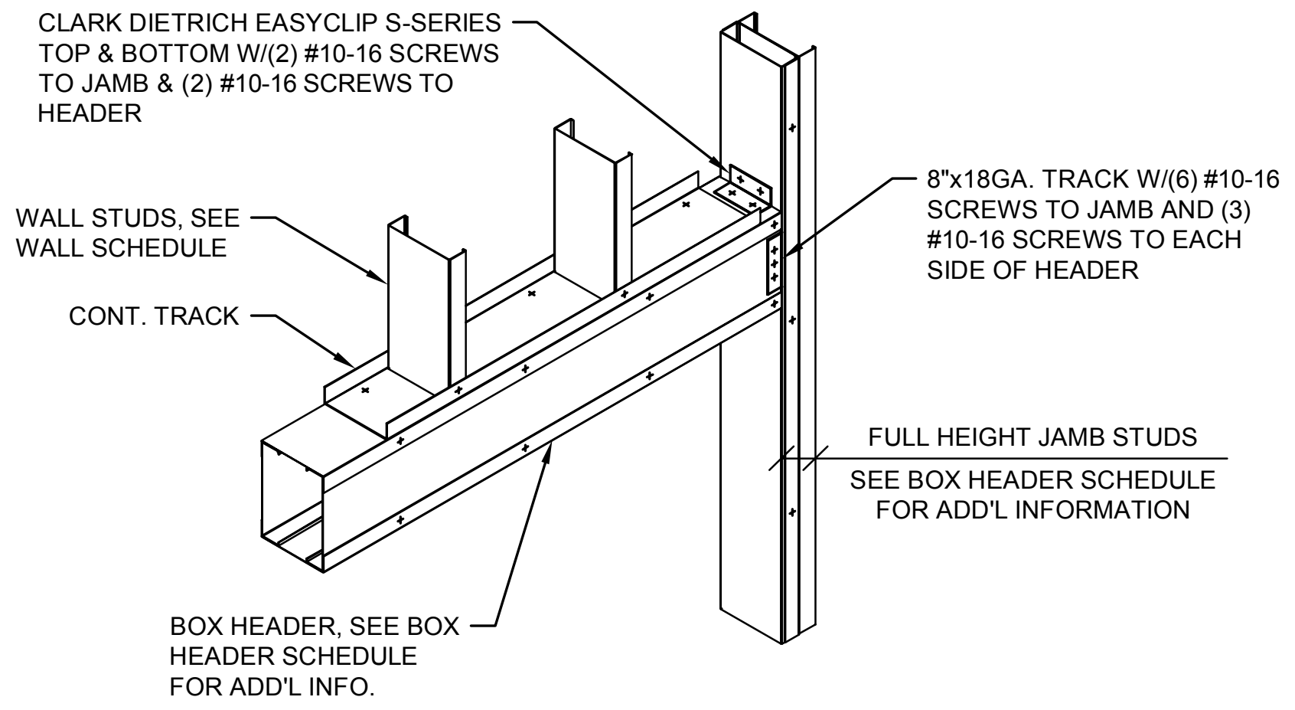
## TYPICAL COLD FORMED METAL STUD WALL ELEVATION

NOTES:

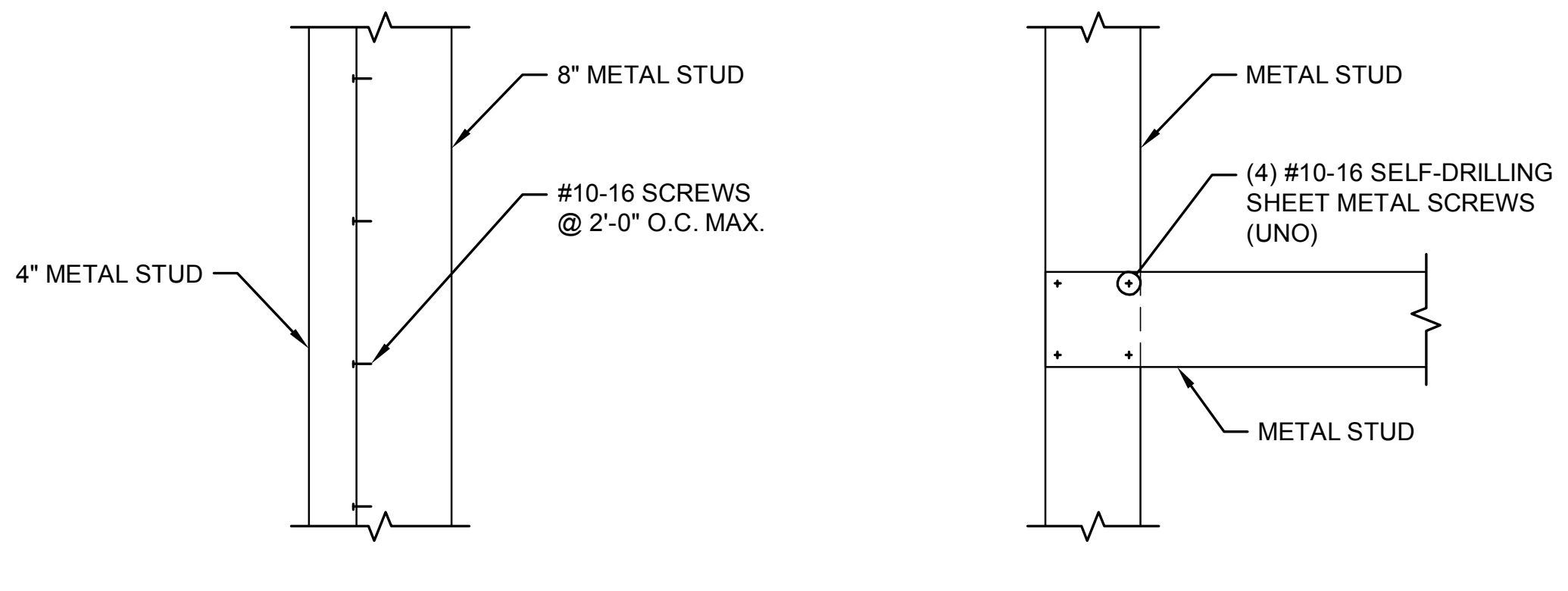
- AT WALL LOCATIONS WHERE MULTIPLE STUDS ARE REQUIRED TO SUPPORT VERTICAL LOADS, A CONTINUOUS LOAD PATH SHALL BE PROVIDED TO SUPPORT THOSE LOADS THROUGH THE STRUCTURE TO THE FOUNDATIONS. THIS MAY BE ACCOMPLISHED THROUGH THE USE OF RIM JOISTS, SQUASH BLOCKS OR OTHER APPROPRIATE MEANS BASED ON LOCATION AND DETAILING CONSIDERATIONS.
- SEE COLD FORMED STUD WALL SCHEDULE FOR SIZE AND SPACING OF LIGHT GAUGE WALL STUDS.


8"x18GA. TRACK W/(6) #10-16 SCREWS TO JAMB AND (3) #10-16 SCREWS TO EACH SIDE OF HEADER

HEADER ATTACHMENT

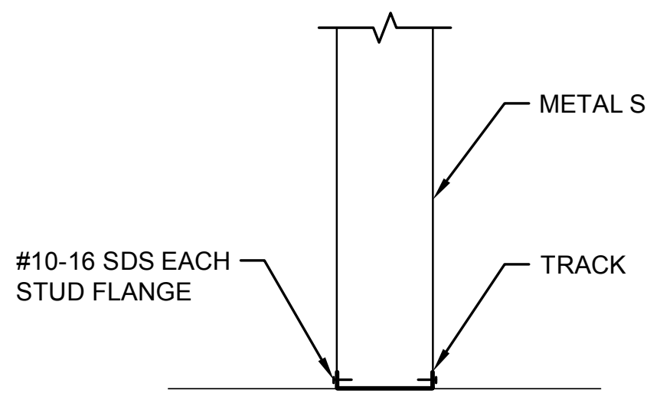

CLARK DIETRICH EASYCLIP S-SERIES TOP & BOTTOM W/(2) #10-16 SCREWS TO JAMB & (2) #10-16 SCREWS TO HEADER
WALL STUDS, SEE WALL SCHEDULE
CONT. TRACK
8"x18GA. TRACK W/(6) #10-16 SCREWS TO JAMB AND (3) #10-16 SCREWS TO EACH SIDE OF HEADER
FULL HEIGHT JAMB STUDS
SEE BOX HEADER SCHEDULE FOR ADD'L INFORMATION
BOX HEADER, SEE BOX HEADER SCHEDULE FOR ADD'L INFO.

## TYPICAL BOX HEADER TO JAMB CONNECTION


8" METAL STUD
#10-16 SCREWS @ 2'-0" O.C. MAX.
4" METAL STUD
METAL STUD
(4) #10-16 SELF-DRILLING SHEET METAL SCREWS (UNO)
METAL STUD

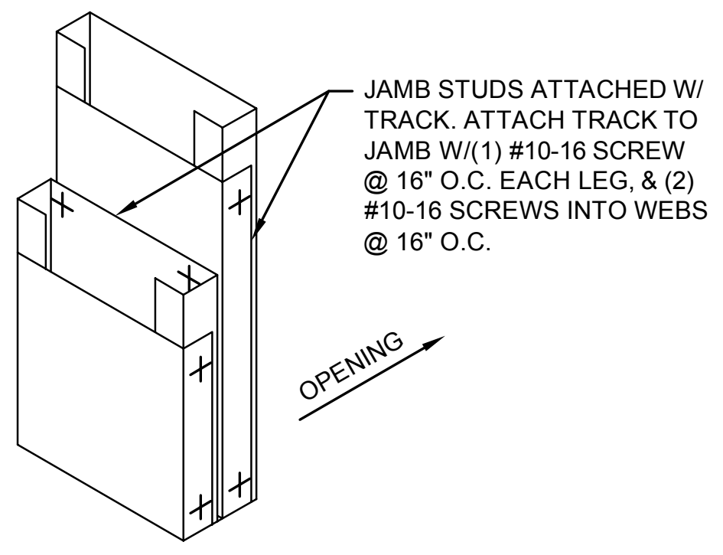
TYPICAL METAL STUD TO METAL STUD CONNECTION

TYPICAL METAL STUD CONNECTION

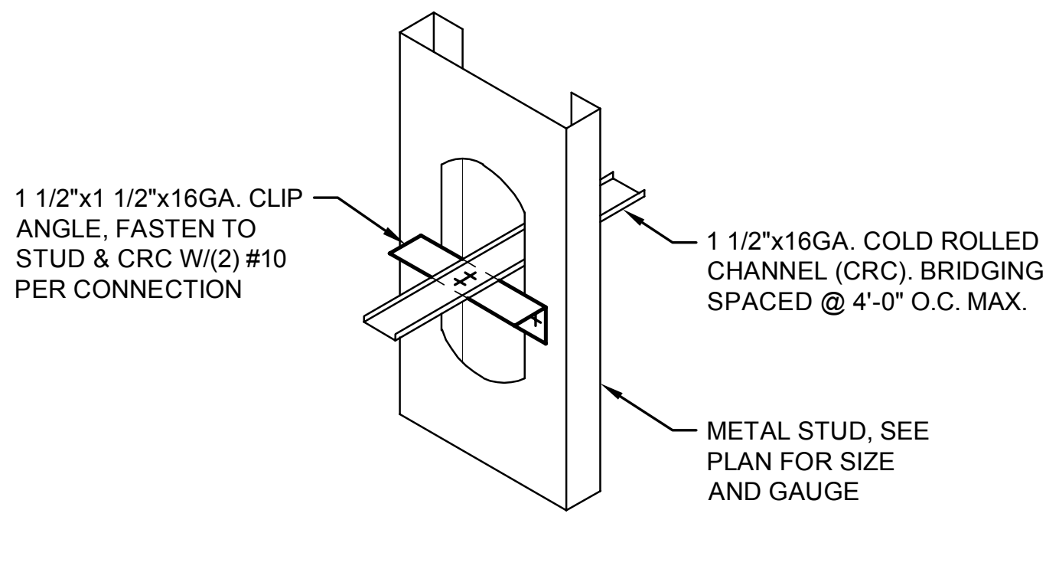


TYPICAL CONNECTION TO METAL STUD TRACK

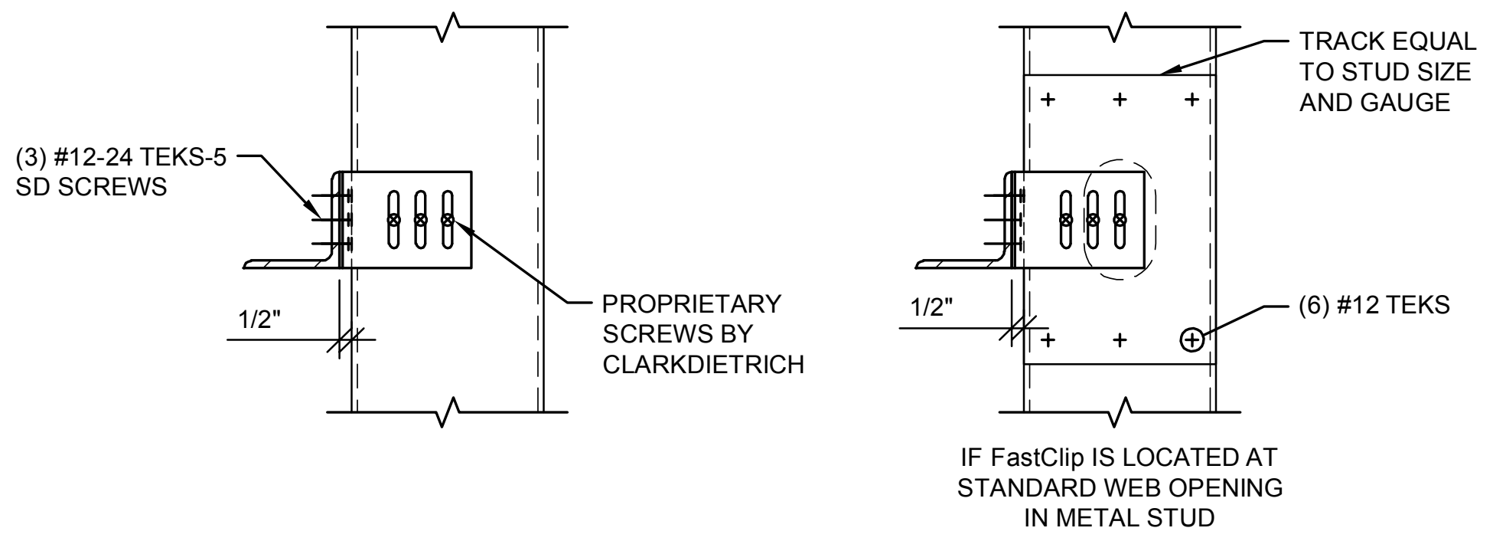
## TYPICAL METAL STUD CONNECTION DETAILS


JAMB STUDS ATTACHED W/ TRACK. ATTACH TRACK TO JAMB W/(1) #10-16 SCREW @ 16" O.C. EACH LEG, & (2) #10-16 SCREWS INTO WEBS @ 16" O.C.
OPENING

## TYPICAL JAMB STUD DETAIL


1 1/2"x1 1/2"x16GA. CLIP ANGLE, FASTEN TO STUD & CRC W/(2) #10 PER CONNECTION
1 1/2"x16GA. COLD ROLLED CHANNEL (CRC). BRIDGING SPACED @ 4'-0" O.C. MAX.
METAL STUD, SEE PLAN FOR SIZE AND GAUGE

## TYPICAL WALL BRIDGING DETAIL


(3) #12-24 TEKS-5 SD SCREWS
1/2"
PROPRIETARY SCREWS BY CLARKDIETRICH
TRACK EQUAL TO STUD SIZE AND GAUGE
1/2"
(6) #12 TEKS
IF FastClip IS LOCATED AT STANDARD WEB OPENING IN METAL STUD

5 1/2"x14GA. FastClip SLIDE CLIPS

## TYPICAL FastClip ATTACHMENT DETAILS

FastClip BY CLARKDIETRICH

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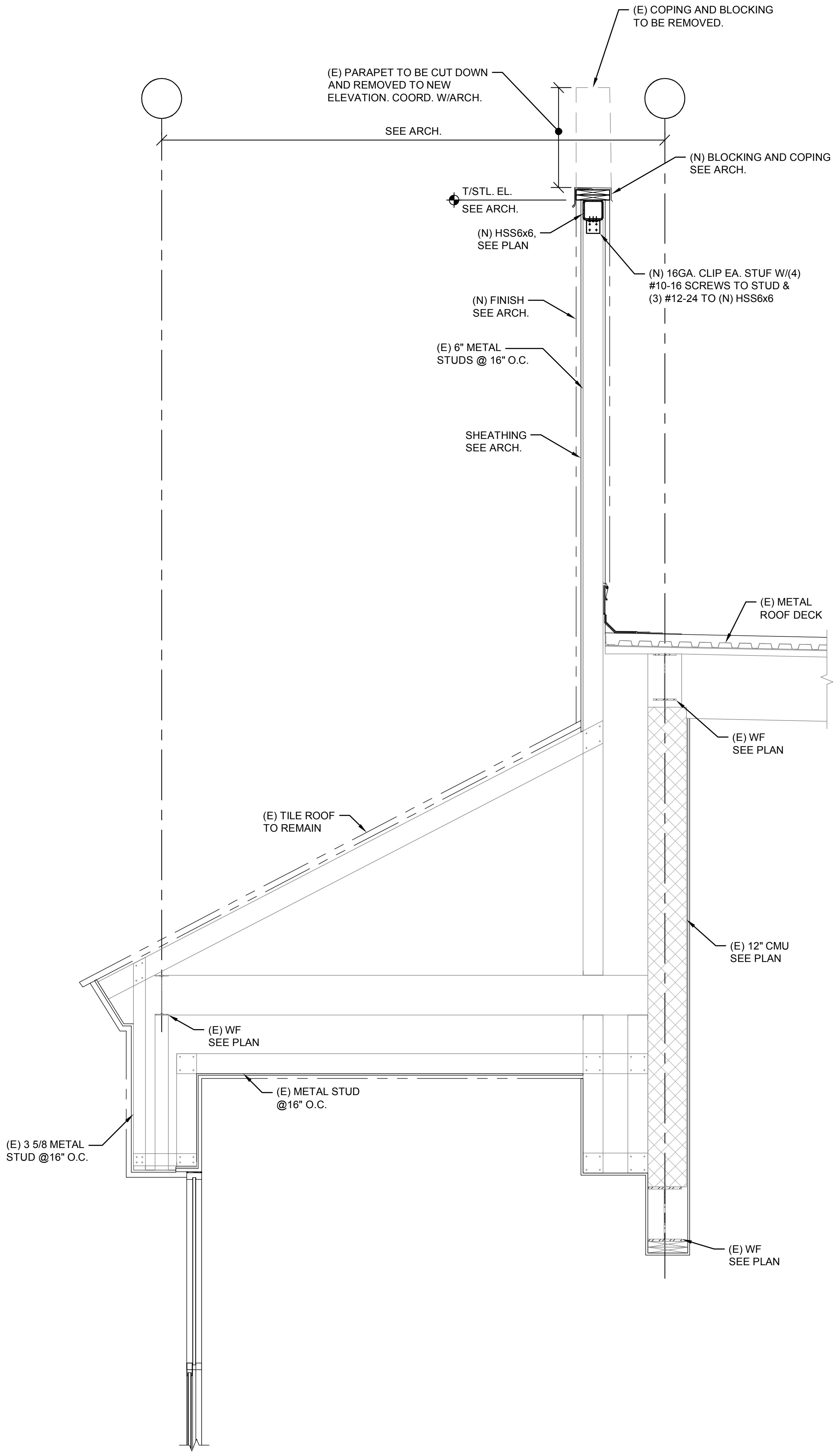
TYPICAL FRAMING
DETAILS

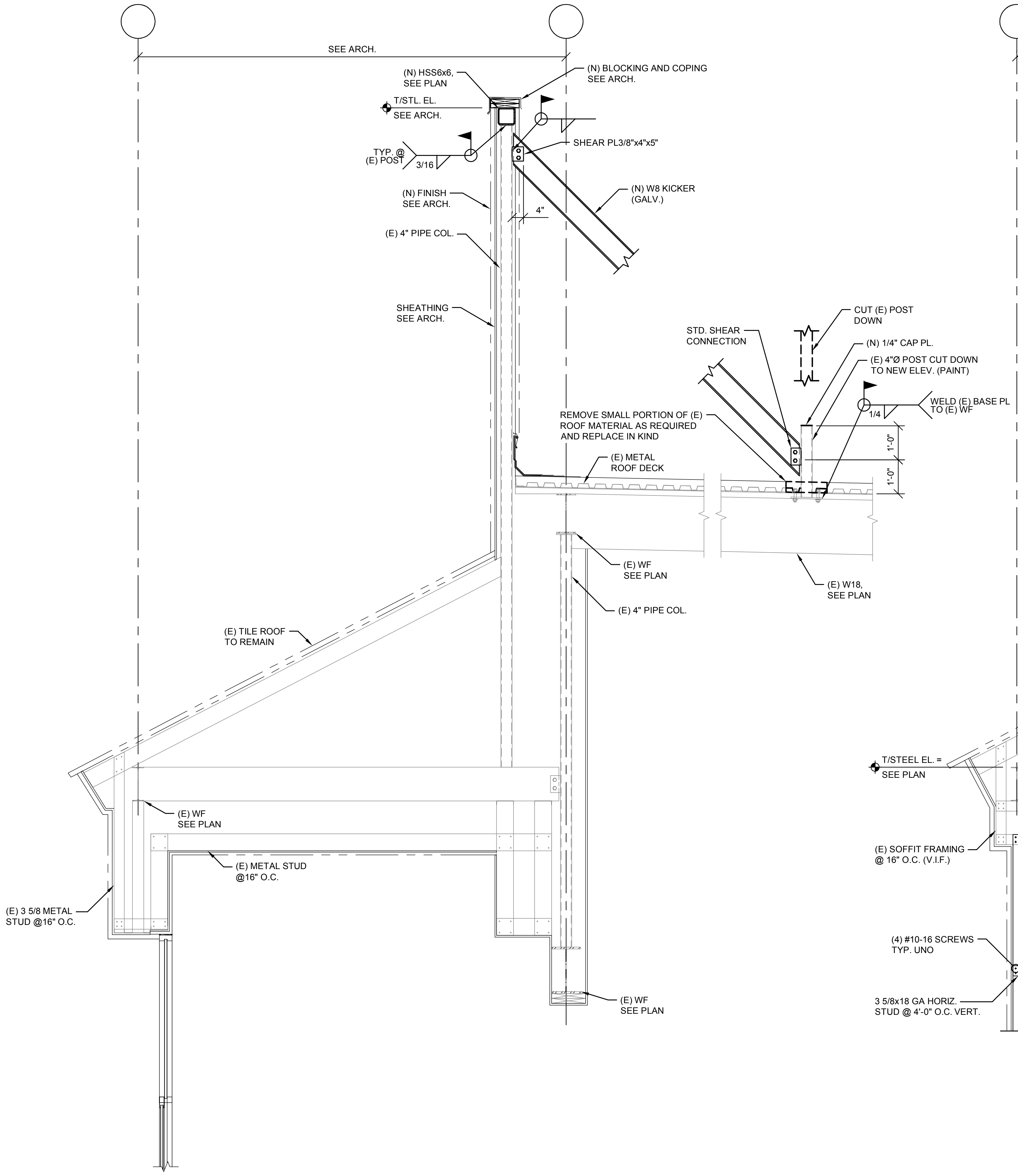
2525A S301



SECTION

1/2" = 1'-0"

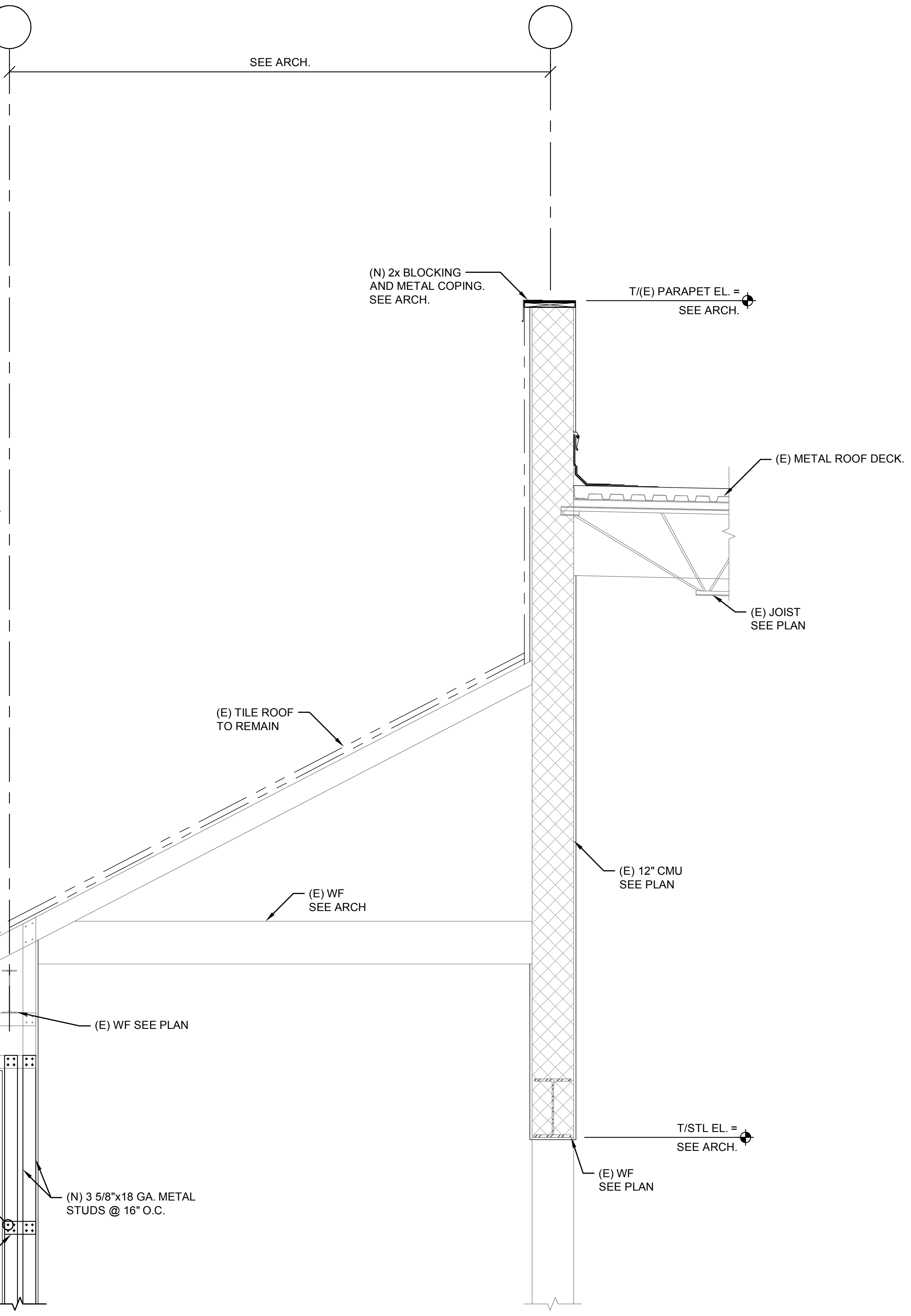
1
-



SECTION

1/2" = 1'-0"

1A
-



SECTION

1/2" = 1'-0"

2
-

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SECTIONS

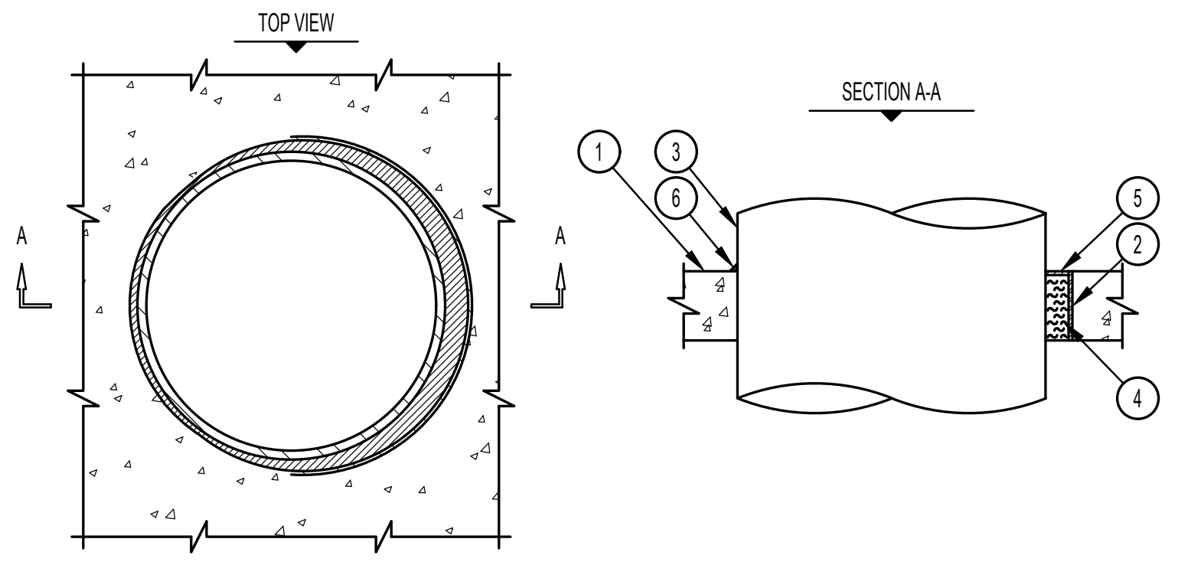
2525A S400

UL/cUL SYSTEM NO. CAJ1226

## METAL PIPE THROUGH A SLEEVE IN CONCRETE FLOOR/WALL OR BLOCK WALL

NTS

F RATING = 3-HR.
T RATING = 0-HR.
L RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L RATING AT 400° F = 4 CFM/SQ. FT.



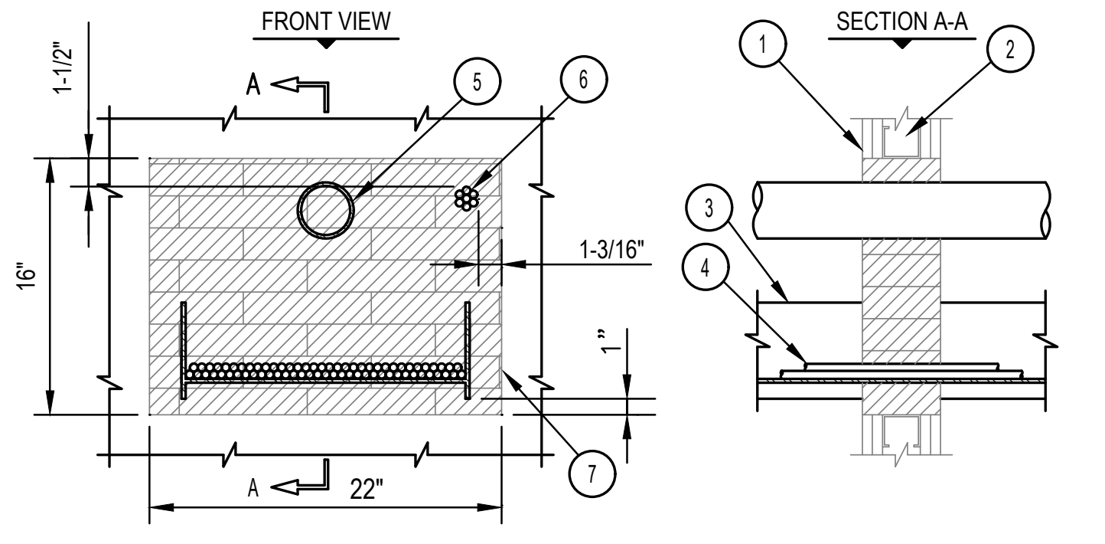
1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR FIRE-RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MIN. 4-1/2" THICK).
   B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL.
2. OPTIONAL: MAXIMUM 32" NOMINAL DIAMETER STEEL PIPE SLEEVE (SCHEDULE 40 OR HEAVIER).
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING:
   A. MAXIMUM 30" NOMINAL DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 30" NOMINAL DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
4. MINIMUM 4" THICKNESS MINERAL WOOL (MIN. 4 PCF DENSITY) TIGHTLY PACKED.
5. MINIMUM 1/4" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT.
6. MINIMUM 1/4" CROWN HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT APPLIED AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING = 32".
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 1-7/8".
3. MINIMUM 1/4" DEPTH HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT IS REQUIRED ON BOTH SIDES OF A WALL ASSEMBLY.

## MULTIPLE PENETRATIONS THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

NTS

L-RATING AT AMBIENT = 5 CFM/SQ. FT. F-RATING = 1-HR. OR 2-HR. L-RATING AT 400°F = 2 CFM/SQ. FT. T-RATING = 0-HR. UL/cUL SYSTEM NO. CAJ8056

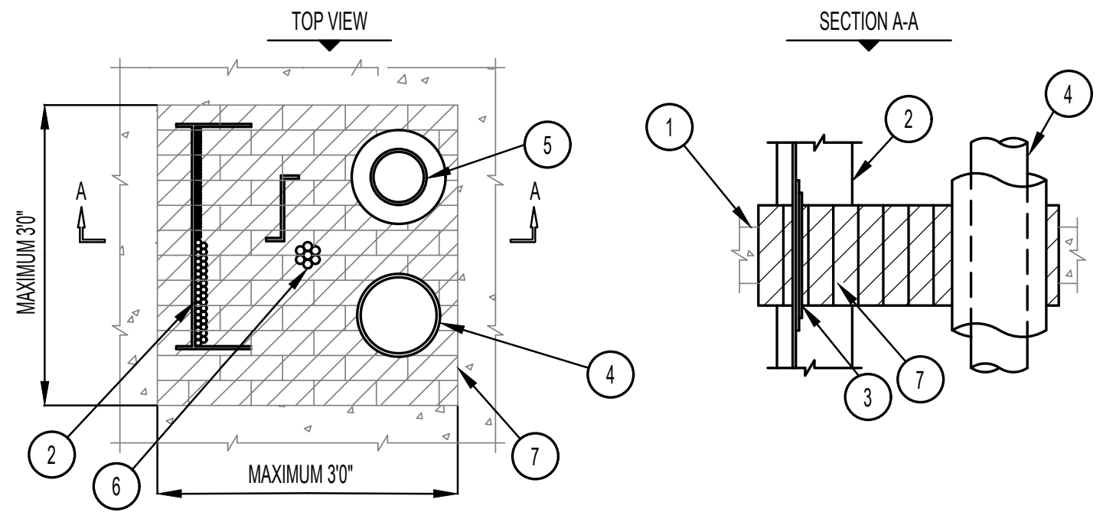


1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
3. OPEN LADDER CABLE TRAY (MAXIMUM 18" x 6", STEEL OR ALUMINUM).
4. ANY OF THE FOLLOWING CABLES MAY BE USED WITH MAXIMUM 30% FILL OF CABLE TRAY :
   A. MAXIMUM 350 KCMIL SINGLE CONDUCTOR POWER CABLE.
   B. MAXIMUM 7/C NO. 12 AWG COPPER CONDUCTOR CABLE.
   C. MAXIMUM 100 PAIR NO. 24 AWG TELEPHONE CABLE.
5. MAX. 3" NOMINAL DIAMETER PVC PLASTIC PIPE (SCHEDULE 40) (CLOSED OR VENTED PIPING SYSTEM) (SEE NOTE NO. 1 BELOW).
6. MAXIMUM 1-1/2" DIAMETER CABLE BUNDLE TO CONSIST OF ANY OF THE FOLLOWING :
   A. FIBER-OPTIC CABLE (24 FIBER).
   B. RG 59 COAXIAL CABLE.
   C. MAX. 25 PAIR NO. 24 AWG TELEPHONE CABLE.
   D. MAX. 7/C NO. 12 AWG COPPER CONDUCTOR.
7. HILTI FS 657 FIRE BLOCKS (2" THICK x 8" WIDE x 5" DEEP, REFERENCE : FRONT VIEW).

NOTES : 1. (NOT SHOWN). PENETRATING ITEMS MAY ALSO INCLUDE A MAX. 6" NOM. DIA. STEEL PIPE, MAX. 6" NOM. DIA. STEEL CONDUIT; MAX. 4" NOM. DIA. COPPER PIPE, OR MAX. 4" NOM. DIA. EMT.
2. (NOT SHOWN): MAX. 1-1/2" GLASS-FIBER INSULATION MAY BE USED ON ANY OR ALL METALLIC PIPES.
3. ANNULAR SPACE = MINIMUM 1", MAXIMUM 9-1/4".
4. APPLY HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT IN ANY VOID THAT MAY EXIST (AROUND PENETRANTS, INTO INTERSITICES OF CABLES, BETWEEN CABLES AND CABLE TRAY, OR BETWEEN FIRE BLOCKS) TO MAXIMUM EXTENT POSSIBLE.

## MULTIPLE PENETRATING ITEMS THROUGH CONCRETE FLOOR/WALL OR BLOCK WALL

NTS F RATING = 3-HR. L RATING AT AMBIENT = 5 CFM/SQ. FT. T RATING = 0-HR. L RATING AT 400°F = 2 CFM/SQ. FT.



1. CONCRETE FLOOR OR WALL ASSEMBLY (3-HR FIRE-RATING):
   A. LIGHTWEIGHT OR NORMAL WEIGHT CONCRETE FLOOR OR WALL (MIN. 4-1/2" THICK).
   B. ANY UL/ULC CLASSIFIED CONCRETE BLOCK WALL.
2. MAXIMUM 18" x 6" ALUMINUM OR STEEL OPEN LADDER CABLE TRAY.
3. ANY COMBINATION OF THE FOLLOWING CABLES MAY BE USED WITHIN THE CABLE TRAY (SEE NOTE NO. 4 BELOW):
   A. 7/C NO. 12 AWG COPPER CONDUCTOR CABLE.
   B. MAX. 500 KCMIL SINGLE CONDUCTOR CABLE.
   C. MAX. 300 PAIR NO. 24 AWG TELEPHONE CABLE.
   D. 24 FIBER-OPTIC CABLE (MAX. 1/2" DIAMETER).
4. PENETRATING ITEMS TO BE ANY OF THE FOLLOWING: MAXIMUM 6" NOMINAL DIAMETER STEEL PIPE OR STEEL CONDUIT; MAXIMUM 6" NOMINAL DIAMETER CAST IRON PIPE; OR MAXIMUM 4" NOMINAL DIAMETER COPPER PIPE OR EMT.
5. MAXIMUM 1-1/2" GLASS FIBER INSULATION.
6. MAXIMUM 2" CABLE BUNDLE TO BE A COMBINATION OF ANY OF THE FOLLOWING:
   A. 7/C NO. 12 AWG CABLE.
   B. 25 PAIR NO. 24 AWG TELEPHONE CABLE.
   C. ROMEX (2/C NO. 10 +GRND).
   D. 3/C NO. 8 ALUMINUM CLAD CABLE.
   E. RG 62A COAXIAL CABLE.
   F. 24 FIBER-OPTIC CABLE (MAX. 1/2" DIA.).
7. HILTI FS 657 FIRE BLOCK (2" THICK x 5" WIDE x 8" DEEP, REF. TOP VIEW).

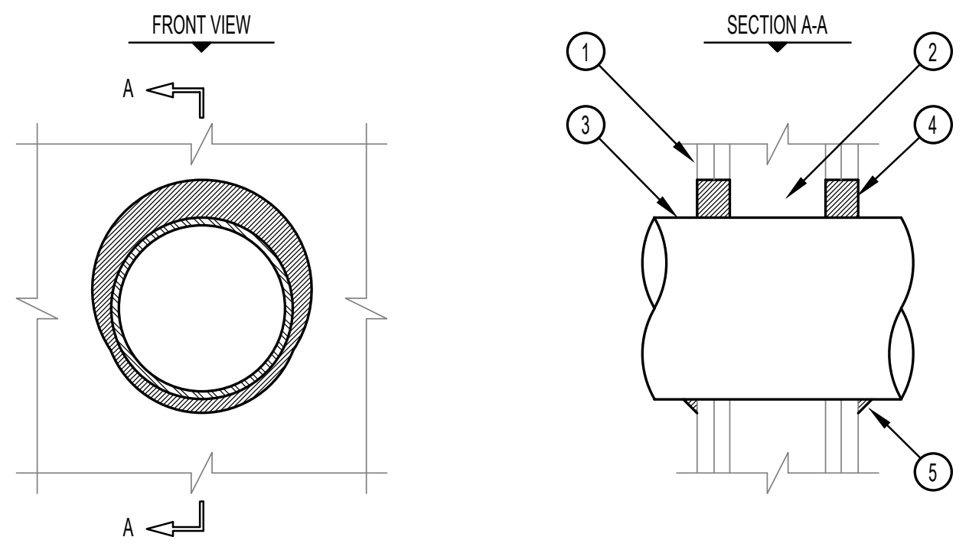
NOTES : 1. MAXIMUM AREA OF OPENING = 1296 SQUARE INCHES, WITH MAXIMUM DIMENSION OF 36 INCHES
2. ANNULAR SPACE FOR CABLE TRAY = MINIMUM 1-1/2", MAXIMUM 4-1/2".
3. ANNULAR SPACE FOR PIPE AND CABLE PENETRATIONS = MINIMUM 1", MAXIMUM 4-1/2".
4. MAXIMUM AREA OF CABLES EQUALS 30% OF CROSS-SECTIONAL AREA OF CABLE TRAY.
5. APPLY HILTI FS-ONE INTUMESCENT FIRESTOP SEALANT INTO INTERSTICES OF CABLES, BETWEEN CABLES AND CABLE TRAY, AND ANY VOIDS TO MAXIMUM EXTENT POSSIBLE.
6. WIRE MESH (NOT SHOWN). WHEN THE ANNULAR SPACE EXCEEDS 4-1/2", A NOMINAL 2 IN. SQ., NO. 16 SWG WIRE MESH SHALL BE USED TO KEEP THE HILTI FS 657 FIRE BLOCKS IN PLACE.

UL/cUL SYSTEM NO. W-L-1054

## METAL PIPE THROUGH 1-HR. OR 2-HR. GYPSUM WALL ASSEMBLY

NTS

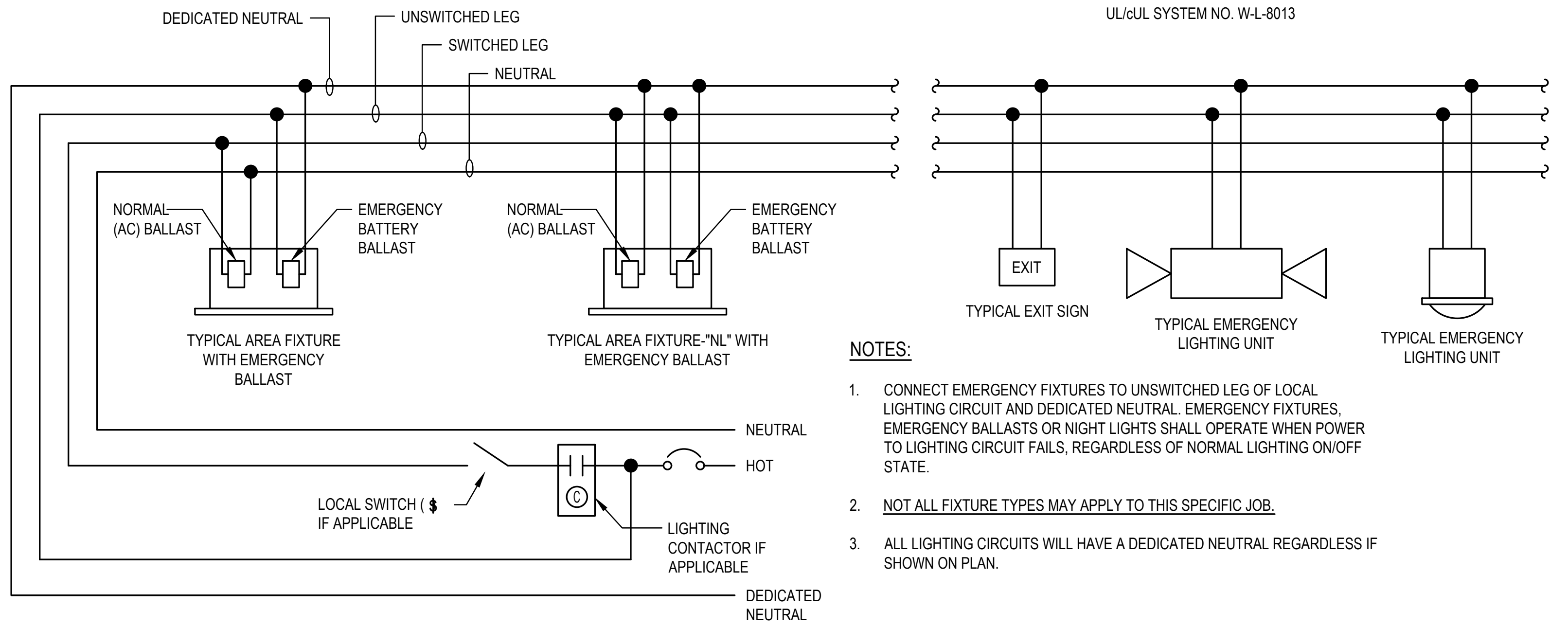
F-RATING = 1-HR. OR 2-HR.
T-RATING = 0-HR.
L-RATING AT AMBIENT = LESS THAN 1 CFM/SQ. FT.
L-RATING AT 400°F = 4 CFM/SQ. FT.



1. GYPSUM WALL ASSEMBLY (UL/ULC CLASSIFIED U300 OR U400 SERIES) (1-HR. OR 2-HR. FIRE-RATING) (2-HR. SHOWN).
2. (NOT SHOWN). WOOD STUDS TO CONSIST OF NOMINAL 2" x 4" LUMBER. STEEL STUDS TO BE MINIMUM 2-1/2" WIDE.
3. PENETRATING ITEM TO BE ONE OF THE FOLLOWING :
   A. MAXIMUM 30" DIAMETER STEEL PIPE (SCHEDULE 10 OR HEAVIER).
   B. MAXIMUM 30" DIAMETER CAST IRON PIPE.
   C. MAXIMUM 6" NOMINAL DIAMETER COPPER PIPE.
   D. MAXIMUM 6" NOMINAL DIAMETER STEEL CONDUIT.
   E. MAXIMUM 4" NOMINAL DIAMETER EMT.
4. HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT :
   A. MINIMUM 5/8", FOR A 1-HR. FIRE-RATING.
   B. MINIMUM 1-1/4" DEPTH, FOR A 2-HR. FIRE-RATING.
5. MINIMUM 1/2" BEAD HILTI FS-ONE HIGH PERFORMANCE INTUMESCENT FIRESTOP SEALANT AT POINT OF CONTACT.

NOTES : 1. MAXIMUM DIAMETER OF OPENING :
A. 32-1/4" FOR STEEL STUD WALLS.
B. 14-1/2" FOR WOOD STUD WALLS.
2. ANNULAR SPACE = MINIMUM 0", MAXIMUM 2-1/2".

UL/cUL SYSTEM NO. W-L-8013


DEDICATED NEUTRAL
UNSWITCHED LEG
SWITCHED LEG
NEUTRAL
NORMAL (AC) BALLAST
EMERGENCY BATTERY BALLAST
TYPICAL AREA FIXTURE WITH EMERGENCY BALLAST
NORMAL (AC) BALLAST
EMERGENCY BATTERY BALLAST
TYPICAL AREA FIXTURE-"NL" WITH EMERGENCY BALLAST
EXIT
TYPICAL EXIT SIGN
TYPICAL EMERGENCY LIGHTING UNIT
TYPICAL EMERGENCY LIGHTING UNIT
NEUTRAL
HOT
LOCAL SWITCH ( $ IF APPLICABLE
C
LIGHTING CONTACTOR IF APPLICABLE
DEDICATED NEUTRAL

NOTES:

1. CONNECT EMERGENCY FIXTURES TO UNSWITCHED LEG OF LOCAL LIGHTING CIRCUIT AND DEDICATED NEUTRAL. EMERGENCY FIXTURES, EMERGENCY BALLASTS OR NIGHT LIGHTS SHALL OPERATE WHEN POWER TO LIGHTING CIRCUIT FAILS, REGARDLESS OF NORMAL LIGHTING ON/OFF STATE.
2. NOT ALL FIXTURE TYPES MAY APPLY TO THIS SPECIFIC JOB.
3. ALL LIGHTING CIRCUITS WILL HAVE A DEDICATED NEUTRAL REGARDLESS IF SHOWN ON PLAN.

## EMERGENCY BALLAST & LIGHTING WIRING DIAGRAM

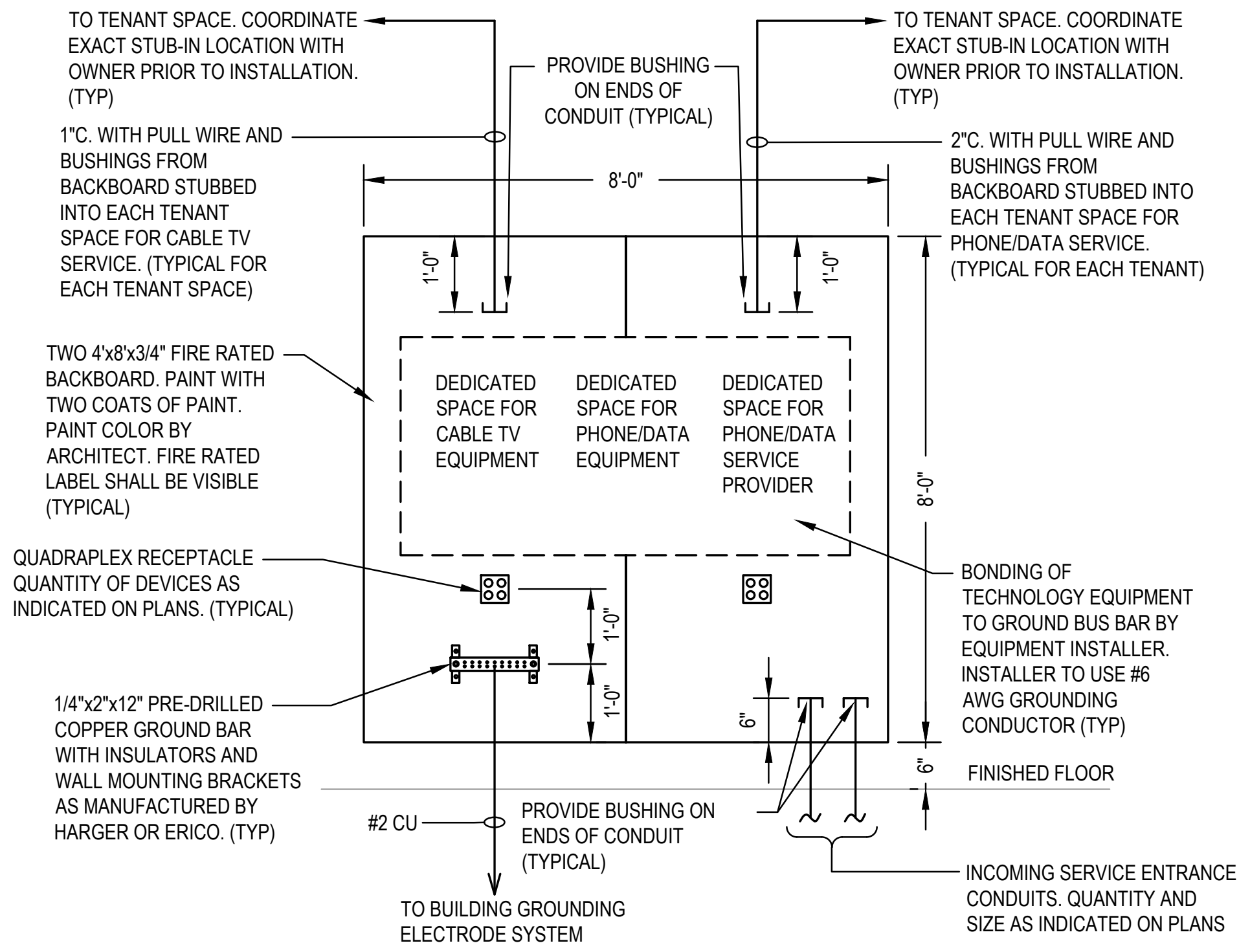
N.T.S.

## ELECTRICAL SYMBOL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| Φ | 20A - 125V GROUNDING TYPE DUPLEX RECEPTACLE MOUNTED 18" AFF TO TOP OF BOX, UNLESS NOTED OTHERWISE |
| ⊕ | 20A - 125V GROUNDING TYPE QUADRAPLEX RECEPTACLE MOUNTED 18" AFF TO TOP OF BOX, UNLESS NOTED OTHERWISE |
| Φ GFI | 20A - 125V GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE MOUNTED 18" AFF TO TOP OF BOX, UNLESS NOTED OTHERWISE |
| Φ GFI WP | 20A - 125V GROUND FAULT INTERRUPTING TYPE DUPLEX RECEPTACLE, WEATHER RESISTANT LISTED WITH DIE-CAST ALUMINUM "WHILE IN-USE COVER" AND MOUNTED 18" AFF TO TOP OF BOX, UNLESS NOTED OTHERWISE |
| Φ C | 20A - 125V GROUNDING TYPE DUPLEX RECEPTACLE RECESSED MOUNTED FLUSH IN FINISHED CEILING, UNLESS NOTED OTHERWISE. RECEPTACLE AND FACEPLATE FINISH TO MATCH FINISH OF CEILING. |
| ◐ | 20A - 125V GROUNDING TYPE DUPLEX RECEPTACLE SPLIT-WIRED AND MOUNTED 18" AFF TO TOP OF BOX, UNLESS OTHERWISE NOTED. BOTTOM RECEPTACLE ENERGIZED AT ALL TIMES. TOP RECEPTACLE LOCALLY SWITCHED AS INDICATED. |
| ⊛ | SPECIAL PURPOSE RECEPTACLE - RATING AND NEMA CONFIGURATION AS REQUIRED FOR EQUIPMENT BEING PROVIDED. MOUNT 18" AFF, UNLESS OTHERWISE NOTED. |
| Ⓙ | JUNCTION BOX - TYPE AND SIZE AS REQUIRED BY NEC |
| ☐ | DISCONNECT SWITCH - TYPE AND RATING AS INDICATED ON PLANS |
| $x | 20A - 120V/277V SINGLE POLE TOGGLE SWITCH MOUNTED 48" AFF TO TOP OF BOX, UNLESS NOTED OTHERWISE. IF APPLICABLE, LOWER CASE SUBSCRIPT "x" - KEYS SWITCH TO FIXTURES BEING CONTROLLED (TYPICAL OF ALL SWITCH SYMBOLS) |
| $OC | LINE VOLTAGE PASSIVE INFRARED WALL SWITCH OCCUPANCY SENSOR MOUNTED 48"AFF TO TOP OF BOX, UNLESS NOTED OTHERWISE (OC2 = DUAL RELAY). MANUFACTURER SHALL BE WATTSTOPPER, HUBBELL, SENSOR SWITCH, COOPER CONTROLS, OR LUTRON. |
| OC x | LOW VOLTAGE CEILING MOUNTED OCCUPANCY SENSOR. LOCATE AS DIRECTED PER MANUFACTURER AND PROVIDE STANDARD VS. EXTENDED COVERAGE RANGE AS DIRECTED BY MANUFACTURER. REFER TO TYPICAL LOW VOLTAGE OCCUPANCY SENSOR WIRING DIAGRAM ON SHEET EXXX. (1 = DUAL TECHNOLOGY 360° COVERAGE PATTERN, 2 = DUAL TECHNOLOGY CORNER MOUNTED WITH WIDE VIEW COVERAGE PATTERN, 3 = PIR NARROW HALLWAY COVERAGE PATTERN). MANUFACTURER SHALL BE WATTSTOPPER, HUBBELL, SENSOR SWITCH, COOPER CONTROLS, OR LUTRON. |
| TC | TIME CLOCK WITH ENCLOSURE RATED FOR APPLICATION. PROVIDE 120V CIRCUIT TO POWER EQUIPMENT. INSTALL AND WIRE PER MANUFACTURER'S INSTRUCTIONS. TYPE AND RATINGS AS INDICATED ON PLANS. ADJUST SETTINGS PER OWNER'S REQUIREMENTS. |
| PC | PHOTOCELL MOUNTED ON ROOF OF BUILDING AND RATED FOR APPLICATION. INSTALL AND WIRE PER MANUFACTURER'S INSTRUCTIONS. TYPE AND RATINGS AS INDICATED ON PLANS. ADJUST SETTINGS PER OWNER'S REQUIREMENTS. |
| FACP | FIRE ALARM CONTROL PANEL - SURFACE MOUNTED ON WALL |
| FAA | FIRE ALARM ANNUNCIATOR PANEL - RECESSED MOUNTED IN WALL |
| NAC | FIRE ALARM NOTIFICATION APPLIANCE CIRCUIT (NAC) EXTENDER PANEL - SURFACE MOUNTED ON WALL |
| F | FIRE ALARM MANUAL PULL STATION MOUNTED 48" AFF TO TOP. |
| V | FIRE ALARM VISUAL (STROBE) NOTIFICATION APPLIANCE MOUNTED FLUSH IN FINISHED WALL AT THE LESSOR OF 80" AFF TO BOTTOM OR 6" BELOW FINISHED CEILING. |
| F◁ | FIRE ALARM AUDIO/VISUAL (SPEAKER OR HORN/STROBE) NOTIFICATION APPLIANCE MOUNTED FLUSH IN FINISHED WALL AT THE LESSOR OF 80" AFF TO BOTTOM OR 6" BELOW FINISHED CEILING. |
| SD | SMOKE DETECTOR - SURFACE MOUNTED ON CEILING. |
| DD | DUCT-TYPE SMOKE DETECTOR WITH REMOTE TEST STATION AND AUXILIARY RELAY FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR; INSTALLED IN DUCTWORK BY MECHANICAL CONTRACTOR PER CODE. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR AND MANUFACTURER. PROVIDE CONDUIT AND WIRING NECESSARY TO SHUT DOWN HVAC UNIT UPON ACTIVATION OF SMOKE DETECTOR. |
| K | FIRE ALARM SYSTEM WEATHER-PROOF RECESSED MOUNTED KNOX BOX. CONTACT AND COORDINATE MODEL NUMBER AND INSTALLATION REQUIREMENTS WITH LOCAL FIRE MARSHAL. FURNISH AND INSTALL A FIRE ALARM MONITORING MODULE FOR INTEGRATION INTO FIRE ALARM SYSTEM AND SECURITY SYSTEMS. |
| ☐☐☐ | SWITCHBOARD FLOOR MOUNTED ON 4" HIGH CONCRETE HOUSING KEEPING PAD. SEE SPECIFICATIONS, PANEL SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION. |
| ▨ | DISTRIBUTION PANEL MOUNTED 6'-6" TO TOP. SEE SPECIFICATIONS, PANEL SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION. |
| ◢ | PANELBOARD SURFACE MOUNTED 6'-6" TO TOP. SEE SPECIFICATIONS, PANEL SCHEDULES AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION. |
| ⊠ | DRY TYPE TRANSFORMER. SEE SPECIFICATIONS AND ONE-LINE DIAGRAM FOR ADDITIONAL INFORMATION. |

ELECTRICAL SYMBOL LEGEND NOTES:

1. NOT ALL SYMBOLS SHOWN IN THIS LEGEND MAY APPEAR ON THE DRAWINGS.
2. WHERE CEILINGS DO NOT EXIST TO STUB CONDUITS ABOVE FOR LOW VOLTAGE, CONDUITS SHALL BE STUBBED UP TO BOTTOM OF / ABOVE STRUCTURE ABOVE. IN FINISHED AREAS, PROVIDE COMPLETE CONDUIT PATHWAYS, INCLUDING PULL-BOXES, UNLESS OTHERWISE DIRECTED. CONDUIT, JUNCTION BOXES AND THE LIKE SHALL BE PAINTED TO MATCH AREA FINISHES. ALL CONDUIT SHALL BE ROUTED IN STRAIGHT RUNS WITH 90 DEGREE BENDS.
3. WHERE HARD INACCESSIBLE CEILINGS EXIST, PROVIDE COMPLETE CONTINUOUS CONDUIT PATHWAYS, INCLUDING PULL-BOXES, AND ACCESS PANELS, FOR LOW VOLTAGE UNLESS OTHERWISE DIRECTED. PROVIDE CONDUIT SLEEVES TRAVERSING OVER INACCESSIBLE CEILINGS BETWEEN AREAS WITH ACCESSIBLE CEILINGS, AS REQUIRED. VERIFY JUNCTION BOXES ABOVE INACCESSIBLE CEILINGS ARE WITHIN REACH OF THE ACCESS PANEL AND CAN BE ACCESSIBLE PER N.E.C. AND LOCAL CODE.


TO TENANT SPACE. COORDINATE EXACT STUB-IN LOCATION WITH OWNER PRIOR TO INSTALLATION. (TYP)
PROVIDE BUSHING ON ENDS OF CONDUIT (TYPICAL)
TO TENANT SPACE. COORDINATE EXACT STUB-IN LOCATION WITH OWNER PRIOR TO INSTALLATION. (TYP)
1"C. WITH PULL WIRE AND BUSHINGS FROM BACKBOARD STUBBED INTO EACH TENANT SPACE FOR CABLE TV SERVICE. (TYPICAL FOR EACH TENANT SPACE)
2"C. WITH PULL WIRE AND BUSHINGS FROM BACKBOARD STUBBED INTO EACH TENANT SPACE FOR PHONE/DATA SERVICE. (TYPICAL FOR EACH TENANT)
8'-0"
1'-0"
1'-0"
TWO 4'x8'x3/4" FIRE RATED BACKBOARD. PAINT WITH TWO COATS OF PAINT. PAINT COLOR BY ARCHITECT. FIRE RATED LABEL SHALL BE VISIBLE (TYPICAL)
DEDICATED SPACE FOR CABLE TV EQUIPMENT
DEDICATED SPACE FOR PHONE/DATA EQUIPMENT
DEDICATED SPACE FOR PHONE/DATA SERVICE PROVIDER
8'-0"
QUADRAPLEX RECEPTACLE QUANTITY OF DEVICES AS INDICATED ON PLANS. (TYPICAL)
BONDING OF TECHNOLOGY EQUIPMENT TO GROUND BUS BAR BY EQUIPMENT INSTALLER. INSTALLER TO USE #6 AWG GROUNDING CONDUCTOR (TYP)
1'-0"
1'-0"
6"
6"
1/4"x2"x12" PRE-DRILLED COPPER GROUND BAR WITH INSULATORS AND WALL MOUNTING BRACKETS AS MANUFACTURED BY HARGER OR ERICO. (TYP)
FINISHED FLOOR
#2 CU
PROVIDE BUSHING ON ENDS OF CONDUIT (TYPICAL)
TO BUILDING GROUNDING ELECTRODE SYSTEM
INCOMING SERVICE ENTRANCE CONDUITS. QUANTITY AND SIZE AS INDICATED ON PLANS

## COMMUNICATIONS BACKBOARD DETAIL

N.T.S.

ELECTRICAL ABBREVIATIONS

| | |
|---|---|
| A | AMPS |
| AC | AIR CONDITIONING UNIT |
| AFC | ABOVE FINISH COUNTER |
| AFF | ABOVE FINISH FLOOR |
| AFG | ABOVE FINISH GRADE |
| AHU | AIR HANDLING UNIT |
| AIC | ASYMMETRICAL INTERRUPTING CURRENT |
| ARCH. | ARCHITECTURAL |
| A.T. | AMP TRIP |
| ATS | AUTOMATIC TRANSFER SWITCH |
| AWG | AMERICAN WIRE GAGE |
| BKR | BREAKER |
| BLDG. | BUILDING |
| C | CONDUIT |
| CATV | CABLE TELEVISION |
| CCTV | CLOSED CIRCUIT TELEVISION |
| CH | CHILLER |
| CONTR | CONTRACTOR |
| CT | COOLING TOWER |
| CU | COPPER |
| CUH | CABINET UNIT HEATER |
| DE | DUAL ELEMENT |
| DN | DOWN |
| DS | DISCONNECT SWITCH |
| DWG. | DRAWING |
| (E) or EXIST. | EXISTING |
| EBB | ELECTRIC BASEBOARD |
| E.C. | ELECTRICAL CONTRACTOR |
| EF | EXHAUST FAN |
| EH | ELECTRIC HEATER |
| ELEC. | ELECTRICAL |
| EM | EMERGENCY |
| EMT | ELECTRICAL METALLIC TUBING |
| EOR | ENGINEER OF RECORD |
| EQ. | EQUAL |
| ETR | EXISTING TO REMAIN |
| EUH | ELECTRIC UNIT HEATER |
| EWC | ELECTRIC WATER COOLER |
| EWH | ELECTRIC WATER HEATER |
| F | FUSE |
| FA | FIRE ALARM |
| FACP | FIRE ALARM CONTROL PANEL |
| FC | FAN COIL UNIT |
| FLUOR | FLUORESCENT |
| FPB | FAN POWER BOX (VAV) |
| F.P.C. | FIRE PROTECTION CONTRACTOR |
| FS | FLOW SWITCH |
| FT. | FOOT/FEET |
| G.C. | GENERAL CONTRACTOR |
| GFI | GROUND FAULT INTERRUPTING PROTECTION |
| GND | GROUND |
| HID | HIGH INTENSITY DISCHARGE |
| HOA | HAND-OFF-AUTOMATIC |
| HP | HORSEPOWER |
| HPS | HIGH PRESSURE SODIUM |
| HVAC | HEATING, VENTILATION, AIR CONDITIONING |
| IG | ISOLATED GROUND |
| INCAND. | INCANDESCENT |
| JB | JUNCTION BOX |
| KCMIL | ONE THOUSAND CIRCULAR MILS |
| K.E.C. | KITCHEN EQUIPMENT CONTRACTOR |
| KVA | KILOVOLT AMPERE |
| KW | KILOWATT |
| LTG | LIGHTING |
| MATV | MASTER ANTENNA TV |
| MAU | MAKE-UP AIR UNIT |
| MAX | MAXIMUM |
| MCB | MAIN CIRCUIT BREAKER |
| MCC | MOTOR CONTROL CENTER |
| M.C. | MECHANICAL CONTRACTOR |
| MECH. | MECHANICAL |
| MFR | MANUFACTURER |
| MH | METAL HALIDE |
| MIN | MINIMUM |
| MLO | MAIN LUGS ONLY |
| MOD | MOTOR OPERATED DAMPER |
| MSB | MAIN SWITCHBOARD |
| MTD | MOUNTED |
| NEC | NATIONAL ELECTRIC CODE |
| NF | NON FUSED |
| NFPA | NATIONAL FIRE PROTECTION ASSOCIATION |
| NIC | NOT IN CONTRACT |
| NL | NIGHTLIGHT |
| NTS | NOT TO SCALE |
| Ø or PH | PHASE |
| P | POLE |
| PB | PULL BOX |
| P.C. | PLUMBING CONTRACTOR |
| PNL | PANEL |
| PRE | POWER ROOF EXHAUSTER |
| PVC | POLYVINYL CHLORIDE |
| RTU | ROOF TOP UNIT |
| SPKR | SPEAKER |
| SPST | SINGLE POLE SINGLE THROW |
| TIE | MULTIPLE OUTLETS WIRED ON SAME BRANCH CICRUIT |
| TR | TAMPER RESISTANT |
| TS | TAMPER SWITCH |
| TTB | TELEPHONE TERMINAL BOARD |
| TV | TELEVISION |
| TYP. | TYPICAL |
| UH | GAS FIRED UNIT HEATER |
| UL | UNDERWRITER'S LABORATORY |
| UNO | UNLESS NOTED OTHERWISE |
| UV | UNIT VENTILATOR |
| V | VOLTS |
| W | WATTS |
| WP | WEATHER-PROOF TYPE DEVICE (NEMA 3R RATED) |
| WR | WEATHER-RESISTANT TYPE DEVICE (NEMA 3R RATED) |
| X'FMR | TRANSFORMER |

## GENERAL NOTES

1. FINAL CONNECTIONS TO LIGHT FIXTURES SHALL BE MADE WITH GREENFIELD FLEXIBLE CONDUIT. MAXIMUM LENGTH OF FLEXIBLE CONDUIT SHALL BE 6'-0".
2. REFER TO ARCHITECTURAL REFLECTED CEILING PLANS FOR EXACT LOCATION OF LIGHT FIXTURES. CONTRACTORS TO COORDINATE LOCATIONS OF LIGHTING, SPEAKERS, AIR DIFFUSERS, GRILLES, SPRINKLER HEADS & THE LIKE, WITH REFLECTED CEILING LAY-OUTS AS REQUIRED & DIRECTED BY THE ARCHITECT.
3. ALL DEVICES, EQUIPMENT, FIXTURES, & THE LIKE, MUST BE GROUNDED BY USE OF A PROPERLY SIZED GROUNDING CONDUCTOR. MECHANICAL/ ELECTRICAL BONDS OF THE METALLIC RACEWAY SYSTEM SHALL ALSO BE MAINTAINED.
4. REFER TO MECHANICAL, PLUMBING, AND FIRE PROTECTION PLANS FOR EXACT LOCATION OF MECHANICAL AND PLUMBING EQUIPMENT. COORDINATE LOCATION OF DISCONNECT SWITCH ASSOCIATED WITH EACH PIECE OF EQUIPMENT WITH RESPECTIVE CONTRACTOR AND INSTALL IN ACCORDANCE WITH THE NEC.
5. REFER TO DIVISION 15 (21, 22 & 23) SPECIFICATIONS, HVAC, PLUMBING AND FIRE PROTECTION PLANS FOR ADDITIONAL ELECTRICAL WORK REQUIREMENTS & COORDINATION.
6. ALL RECEPTACLES SHOWN BACK-TO-BACK IN WALLS SHALL BE SEPARATED HORIZONTALLY BY 8" MINIMUM.
7. WHERE OPEN WIRING METHODS FOR LOW VOLTAGE SYSTEMS ARE PERMITTED BY THE CONTRACT DOCUMENTS, OWNER AND LOCAL AUTHORITY, THE CABLE/CONDUCTOR INSULATION SHALL BE RATED PER NEC FOR ENVIRONMENT (I.E. PLENUM RATED, ETC.) BEING INSTALLED.
8. BRANCH CIRCUIT CONDUCTOR SIZES (& CONDUITS) SHALL BE INCREASED FROM THOSE INDICATED ON THE PLANS TO PREVENT EXCESSIVE VOLTAGE DROP. BRANCH CIRCUITS SHALL BE INSTALLED WITH WIRES OF SUFFICIENT SIZE SO THAT VOLTAGE DROP BETWEEN THE PANEL & THE LOADS DO NOT EXCEED A LIMIT OF 3%.
9. REGARDLESS OF THE TEMPERATURE RATING OF THE CONDUCTOR INSULATION, ALL CONDUCTOR AMPACITY RATINGS FOR THIS PROJECT SHALL BE DETERMINED FROM THE 75°C CONDUCTOR TEMPERATURE RATINGS INDICATED IN THE NEC TABLES. WHERE EQUIPMENT OR DEVICES ARE PROVIDED WITH TERMINALS/LUGS RATED FOR 60°C, THE AMPACITY RATING OF THE 75°C CONDUCTOR SHALL BE LIMITED TO ITS ASSOCIATED 60°C RATING AS INDICATED IN THE NEC TABLES. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO INCREASE THE CONDUCTORS AND CONDUIT SIZE AS REQUIRED.
10. ALL 120V AND 277V BRANCH CIRCUITS SHALL BE PROVIDED WITH SEPARATE NEUTRAL CONDUCTORS. SHARED NEUTRALS WILL NOT BE PERMITTED FOR MULTI-CIRCUIT INSTALLATIONS. WHERE MULTIPLE CIRCUITS ARE RUN IN A COMMON RACEWAY, THE AMPACITY OF THE CONDUCTORS SHALL BE PROPERLY DERATED & CONDUIT SHALL BE SIZED PER CODE. UNDER NO CIRCUMSTANCES SHALL MORE THAN SIX (6) CURRENT CARRYING CONDUCTORS BE RUN IN A SINGLE CONDUIT. REFERENCE NEC ARTICLE AND TABLE 310.15(B)(3)(a).
11. ALL CONDUITS SHALL CONTAIN A GROUND CONDUCTOR SIZED PER NEC TABLE #250.122. IN ADDITION, WHERE AN ISOLATED, INSULATED GROUND IS REQUIRED, A SEPARATE GROUND CONDUCTOR WITH GREEN INSULATION SHALL BE RUN FROM THE PANEL GROUND BUS TO THE ISOLATED GROUND CONNECTION OF THE DEVICE. IN NO CASE SHALL THE SYSTEM GROUND (CONDUCTOR & ASSOCIATED OUTLET BOXES, CONDUIT & BUILDING STEEL) BE ALLOWED TO CONTACT THE ISOLATED GROUND (CONDUCTOR & DEVICE). WHERE CIRCUIT CONDUCTORS ARE INCREASED IN SIZE FOR ANY REASON (I.E. VOLTAGE DROP, DERATING, ETC.), THE GROUND CONDUCTOR SIZE SHALL BE INCREASED PROPORTIONATELY (ACCORDING TO CIRCULAR MIL AREA) FROM THE SIZE REQUIRED BY NEC TABLE #250.122.
12. ELECTRICAL INSTALLATION REQUIREMENTS FOR ALL HVAC, PLUMBING, FIRE PROTECTION, SPECIAL SYSTEMS AND OWNER EQUIPMENT BEING FURNISHED BY OTHERS SHALL BE REVIEWED AND COORDINATED WITH OTHER TRADES PRIOR TO ROUGH-IN. OBTAIN EQUIPMENT SHOP DRAWINGS FROM INSTALLER/SUPPLIER/CONTRACTOR/OWNER FURNISHING EQUIPMENT, AS REQUIRED, FOR REVIEW AND COORDINATION. CONTACT ARCHITECT/ENGINEER WITH ANY DISCREPANCIES FOUND BETWEEN CONSTRUCTION DRAWINGS AND EQUIPMENT BEING FURNISHED PRIOR TO ROUGH-IN.
13. THE ELECTRICAL CONTRACTOR SHALL FURNISH ALL ACCESS PANELS, AS REQUIRED FOR SERVICING AND TESTING, FOR EQUIPMENT AND/OR DEVICES FURNISHED UNDER HIS CONTRACT. THE GENERAL CONTRACTOR SHALL INSTALL ACCESS PANELS. THE ELECTRICAL CONTRACTOR SHALL COORDINATE THE SIZE AND LOCATION OF EACH ACCESS PANEL WITH THE ARCHITECT AND GENERAL CONTRACTOR PRIOR TO ROUGH-IN.
14. ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID ALL CUTTING, TRENCHING AND PATCHING ASSOCIATED WITH THE ELECTRICAL INSTALLATION.
15. ALL PENETRATIONS IN OR THROUGH FIRE RATED ASSEMBLIES ASSOCIATED WITH THE ELECTRICAL INSTALLATION SHALL BE FIRE-STOPPED USING A UL APPROVED METHOD. FURNISH AND INSTALL UL LISTED FIRE RATED MATERIALS AND EQUIPMENT SUCH AS BOXES, PUDDY PADS, ENDOTHERMIC MAT, LIGHT FIXTURES WITH RATED ENCLOSURES, ETC... TO COMPLY WITH CODE FOR PROJECT CONDITIONS. FURNISH AND INSTALL SLEEVES, WHERE REQUIRED. UL APPROVED METHOD FOR FIRE STOPPING SHALL MEET OR EXCEED FIRE RATING OF STRUCTURE BEING PENETRATED. REFERENCE ARCHITECTURAL PLANS FOR FIRE RATED STRUCTURES.
16. NO CONDUIT, BOXES, WIRING, OR CABLES SHALL BE INSTALLED WITHIN 1 1/2" OF THE LOWEST POINT OF THE UNDERSIDE OF THE ROOF DECKING, NOR SHALL THEY BE INSTALLED CONCEALED WITHIN METAL-CORRUGATED ROOF DECKING. FOR EXISTING INSTALLATIONS, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT, BOXES, WIRING, AND CABLING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.
17. ALL ELECTRICAL EQUIPMENT AND DEVICES FOR THIS PROJECT MUST BE UL LISTED. DEVICES, EQUIPMENT, SYSTEMS SHALL BE INSTALLED PER N.E.C. REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS.
18. THE DESIGN INTENT IS ALL DEVICES SHALL BE RECESSED MOUNTED, UNLESS OTHERWISE NOTED. THE DEVICE BACK-BOX AND RACEWAY BEING FURNISHED SHALL BE RATED TO COMPLY WITH NEC PER THE APPLICATION. WHERE MOUNTED WITHIN A FIRE RATED WALL OR STRUCTURE, FURNISH AND INSTALL UL APPROVED FIRE STOPPING ASSEMBLIES AND MATERIALS TO MAINTAIN RATING OF WALL OR STRUCTURE. WHEN THERE IS NO AVAILABLE OPTION BUT TO INSTALL A SURFACE MOUNTED DEVICE, CONSULT ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
19. THE DESIGN INTENT IS ALL CONDUIT, CABLES, RACEWAYS AND PATHWAYS SHALL BE CONCEALED FROM SIGHT WITHIN THE BUILDING CONSTRUCTION, UNLESS OTHERWISE NOTED. THE CONDUIT, CABLES, RACEWAYS AND PATHWAYS BEING FURNISHED SHALL BE RATED TO COMPLY WITH NEC PER THE APPLICATION. WHEN THERE IS NO AVAILABLE OPTION BUT TO INSTALL A VISIBLE CONDUIT, CABLE, RACEWAY OR PATHWAY, CONSULT ARCHITECT/ENGINEER FOR APPROVAL PRIOR TO INSTALLATION.
20. ALL CONDUIT AND CABLING SHALL BE PROPERLY SUPPORTED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. FOR EXISTING INSTALLATIONS, THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT AND/OR CABLING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.
21. CONTRACTOR SHALL FIELD VERIFY SLAB ON GRADE FLOOR CONSTRUCTION TYPE PRIOR TO CUTTING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR CUT A STRUCTURAL FLOOR SLAB THICKER THAN FOUR (4") INCHES WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER OF RECORD. NOTIFY ENGINEER OF RECORD OF ANY SLAB THICKNESS GREATER THAN FOUR (4") INCHES PRIOR TO PROCEEDING WITH ANY SAW CUTTING.
22. IN OTHER THAN DWELLING UNITS, ALL 125-VOLT THROUGH 250-VOLT RECEPTACLES SUPPLIED BY SINGLE PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND, 50 AMPERES OR LESS, AND ALL RECEPTACLES SUPPLIED BY THREE PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND , 100 AMPERES OR LESS, INSTALLED IN LOCATIONS IDENTIFIED IN 210-8(B)(1) THROUGH (B)(12) SHALL HAVE GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTION FOR PERSONNEL. WHERE DEVICE IS READILY ACCESSIBLE, THE DEVICE SHALL BE PROVIDED WITH INTEGRAL GROUND FAULT PROTECTION. WHERE DEVICE IS NOT READILY ACCESSIBLE AND/OR NOT AVAILABLE WITH INTEGRAL GROUND FAULT PROTECTION, THE BRANCH CIRCUIT BREAKER SERVING THE DEVICE(S) SHALL BE GROUND FAULT TYPE.
23. IN THE CASE OF CONFLICT BETWEEN DRAWINGS, NOTES, AND SPECIFICATIONS, OR AMONG DRAWINGS, THE STRICTEST PROVISION OR LARGER QUANTITY SHALL GOVERN.

**Riverside Market**

New Orleans, LA

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JEFFERY D. MITERKO
REG. No. 27852

ELECTRICAL
GENERAL NOTES

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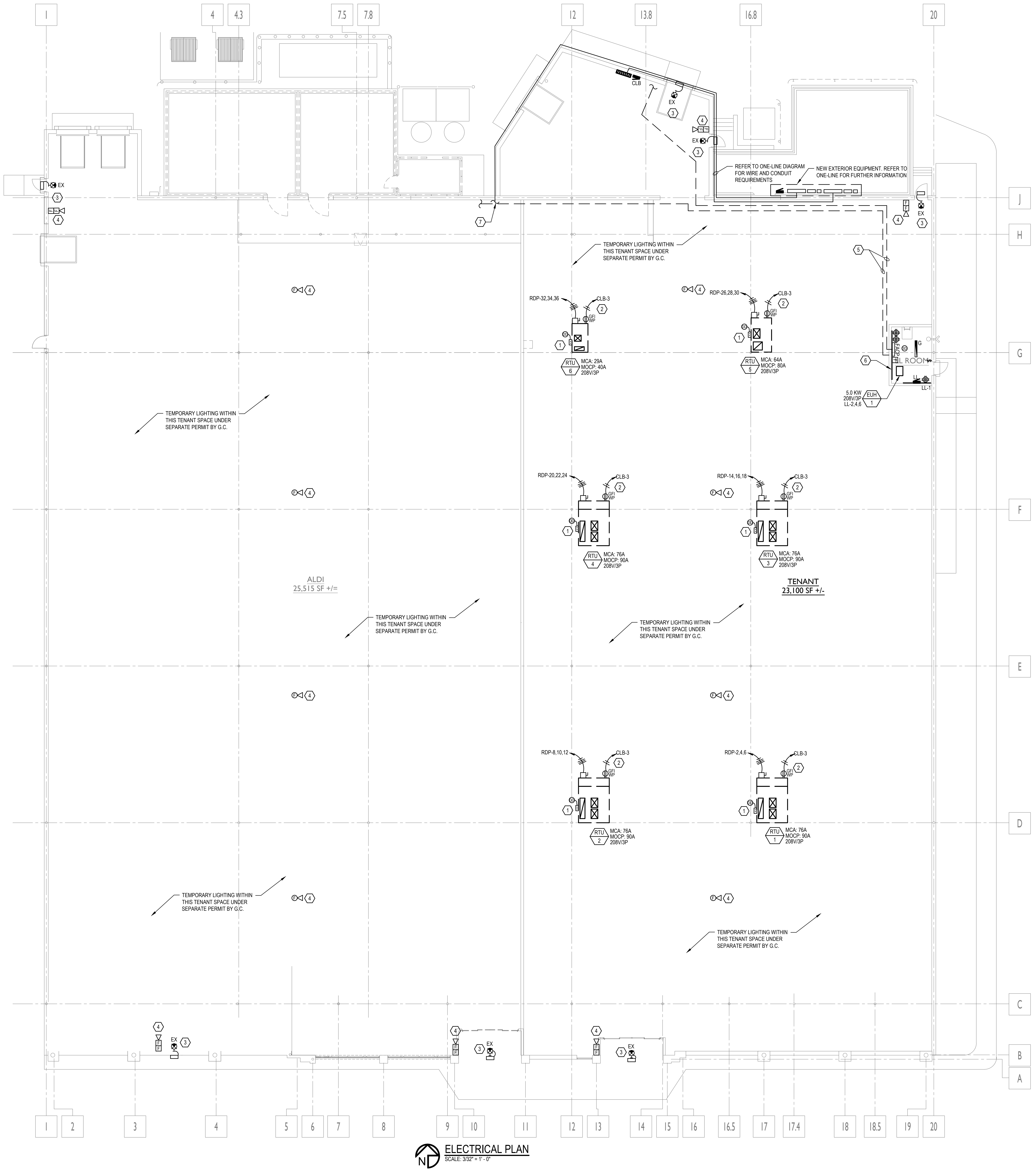

## ELECTRICAL PLAN

SCALE: 3/32" = 1' - 0"

## GENERAL NOTES:

1. UNDER NO CIRCUMSTANCES SHALL PIPING, DUCTWORK, OR EQUIPMENT BE INSTALLED IN OR ROUTED THROUGH ELECTRICAL ROOMS, TELEPHONE/DATA ROOMS, ELEVATOR MACHINE ROOMS, ETC. EXCEPT FOR BRANCH PIPING OR DUCTWORK SPECIFICALLY SERVING THE ROOM OR AREA. DEDICATED SPACE SHALL EXTEND VERTICALLY FROM FLOOR TO STRUCTURAL CEILING.
2. REFERENCE ARCHITECTURAL, MECHANICAL, PLUMBING AND FIRE PROTECTION PLANS FOR MORE INFORMATION.
3. E.C. TO INCREASE CONDUCTOR AND GROUND WIRE SIZE AS REQUIRED FOR VOLTAGE DROP (VOLTAGE DROP NOT TO EXCEED 3%).
4. E.C. TO FIELD DETERMINE EXACT ROUTING OF CONDUIT. CONDUIT ROUTING SHOWN FOR DESIGN INTENT PURPOSES. E.C. TO ROUTE ALL TENANT CONDUIT THROUGH LANDLORD OR COMMON SPACES AS MUCH AS POSSIBLE (EGRESS CORRIDOR, LANDLORD SPACES, ETC.).
5. E.C. SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND NOTIFY OWNERS PROJECT MANAGER OR E.O.R. OF ANY DISCREPANCIES.
6. ALL CONDUITS ARE TO BE CONCEALED IN WALLS OR ABOVE CEILINGS. CONDUITS IN EXPOSED CEILING AREAS SHALL EXIT WALLS AS CLOSE TO ROOF/FLOOR STRUCTURAL DECK AS POSSIBLE.
7. E.C. SHALL ENSURE LOADS BETWEEN PHASES ON PANEL BOARDS ARE BALANCED WITHIN 10%
8. ALL LOW VOLTAGE WIRING IN CEILING PLENUM SHALL BE UL LISTED TEFLON PLENUM CABLE.
9. PROVIDE OUTLER WITHIN 25' OF EQUIPMENT IN ACCORDANCE WITH NEC 210-63. PROVIDE WEATHERPROOF GRI OUTLET ON ROOFTOPS WITHIN 25' OF ROOFTOP EQUIPMENT.
10. FIELD VERIFY FINAL LOCATION OF ALL EQUIPMENT WITH PROVIDER PRIOR TO ROUGH-IN.
11. ALL RECEPTACLES IN BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, AND WITHIN 6FT OF A SINK SHALL BE GFCI (OR SERVED BY A GFI CIRCUIT BREAKER) PER NEC 210.8(8). THE E.C. SHALL PROVIDE GFCI OUTLETS (OR CIRCUIT BREAKERS) IN ALL LOCATIONS REQUIRED BY THE NEC.
12. PROVIDE CONNECTION TO TENANT SIGN. FIELD VERIFY ELECTRICAL REQUIRMENTS AND FINAL LOCATION WITH PROVIDER, TENANT AND LANDLORD. PROVIDE PHOTOCELL ON/TIMECLOCK OFF CONTROLS. PROVIDE ALL COMPONENTS REQUIRED FOR A COMPLETE INSTALLATION.
13. NUMBERS NEXT TO DEVICES REFER TO CIRCUIT DESIGNATION IN UNIT PANEL UNLESS NOTED.
14. ALL TELE/DATA LOCATIONS SHALL INCLUDE 4" SQUARE J-BOX AND 3/4" CONDUIT TO CEILING SPAEC. ALL TELEPHONE/DATA CABLE IS TO BE PLENUM RATED WIRE OR SHALL BE INSTALLED IN CONDUIT ABOVE CEILING OR IN WALLS.
15. PROVIDE ALL DEMOLITION WORK AS REQUIRED TO ACCOMMODATE THE NEW WORK AS INDICATED ON THE ELECTRICAL PLANS. FIELD VERIFY EXISTING CONDITIONS. PROVIDE ANY ADDITIONAL WORK NECESSARY AS REQUIRED TO PRESERVE EXISTING DEVICES AND BRANCH CIRCUIT COMPONENTS TO REMAIN. REFER TO THE ARCHITECTURAL PLANS FOR DEMOLITION SCOPE OF WORK AND VISIT THE SITE PRIOR TO BID TO DETERMINE THE ELECTRICAL SCOPE OF WORK REQUIRED.
16. THIS DESIGN IS DIAGRAMMATICAL. REFER TO MANUFACTURER'S RECOMMENDATIONS AND INSTALLATION MANUALS FOR SPECIFIC LOCATIONS AND INSTALLATION DETAILS. REFER TO ARCHITECTURAL DRAWINGS FOR ANY DIMENSIONS.

## CODED NOTES: ⟨#⟩

1. DUCT MOUNTED SMOKE DETECTOR TO BE PROVIDED AND WIRED BY E.C. AND INSTALLED BY M.C. DUCT SMOKE DETECTOR TO BE TIED INTO THE FIRE ALARM SYSTEM AS REQUIRED PER LOCAL AHJ AND LANDLORD. E.C. TO ENSURE NOTHING LESS THAN A COMPLETE INSTALL IS INCLUDED WITHIN THEIR BID.
2. GFI TYPE RECEPTACLE WITHIN A WEATHER PROOF ENCLOSURE TO BE PROVIDED WITH THE ROOFTOP UNIT. E.C. TO CIRCUIT RECEPTACLE AS INDICATED. IF THE RECEPTACLE IS NOT PROVIDED, THEN THE E.C. TO PROVIDE GFCI TYPE RECEPTACLE IN A WEATHERPROOF ENCLOSURE AT THE UNIT. E.C. TO STUB DOWN (1) 3/4"C. WITH PULL STRING FROM THE RECEPTACLE STUBBED DOWN INTO THE CEILING SPACE AND ROUTED OVER TO THE PANEL LOCATION FOR FUTURE EXTENSION BY TENANT UNDER A SEPARATE PERMIT.
3. E.C. TO PROVIDE NEW EXIT SIGN AND EMERGENCY LIGHTING AT ALL EGRESS DOORS AS INDICATED. E.C. TO TIE THE EXIT SIGN AND EMERGENCY LIGHTING INTO THE NEAREST TEMPORARY LIGHTING CIRCUIT IF PROVIDED, OTHERWISE E.C. TO ROUTE A DEDICATED TEMPORARY CIRCUIT FROM THE NEAREST LANDLORD PANEL WITH AVAILABLE CAPACITY TO THE EXIT SIGN / EMERGENCY LIGHTING FOR USE DURING CONSTRUCTION. FINAL CONNECTION AND RE-WORK OF THE EXIT SIGN AND EMERGENCY LIGHTING CIRCUIT TO BE COMPLETED BY THE FUTURE TENANT UNDER A SEPARATE PERMIT.
4. E.C. TO PROVIDE TEMPORARY FIRE ALARM DEVICES AS REQUIRED BY LOCAL AHJ. E.C. TO TIE THE FIRE ALARM DEVICES INTO THE NEW TENANTS FIRE ALARM PANEL FOR TEMPORARY PURPOSES AS REQUIRED FOR DURING CONSTRUCTION. ADDITIONAL DEVICES BEING PROVIDED OR REQUIRED FOR THE FIT OUT OF THE TENANT SPACE, ETC. ARE ALL TO BE DONE BY THE TENANT UNDER A SEPARATE PERMIT. ADDITIONAL DEVICES REQUIRED TO BE INSTALLED BASED ON TENANTS FIT OUT ARE TO BE PROVIDED UNDER A SEPARATE PERMIT BY THE TENANT. FIRE ALARM CONTRACTOR TO VERIFY FIRE ALARM REQUIREMENTS WITH FUTURE TENANT PLANS AND ENSURE NEW FACP IS SIZED APPROPRIATELY TO HANDLE ALL DEVICES. COORDINATE EXACT REQUIREMENTS WITH FUTURE TENANT AND LOCAL AHJ PRIOR TO PROVIDING ANY EQUIPMENT
5. E.C. TO PROVIDE (1) 2"C AND (1) 1"C. WITH PULL STRING FROM THE LANDLORD TELEPHONE DEMARK TO THE FUTURE TENANT SPACE AT THE TENANTS PREFERRED STUB IN LOCATION. E.C. IS TO ROUTE THE CONDUIT OVERHEAD AS HIGH AS POSSIBLE (TIGHT TO THE STRUCTURE ABOVE) AND STUB DOWN TO 8' AFF AND PROVIDE A BUSHING ON EACH END OF CONDUIT AS REQUIRED. VERIFY FINAL STUB IN LOCATION WITH FUTURE TENANT BEFORE ANY CONDUIT IS ROUTED WITHIN THE SPACE. ADDITIONALLY, E.C. TO PROVIDE (1) 1"C. WITH PULL STRING FROM THE NEAREST LANDLORD FIRE ALARM PANEL (TIE IN POINT) FOR FUTURE CONNECTION BY TENANT IF REQUIRED PER LOCAL AHJ AND/OR OWNER FOR TIE-IN PURPOSES. VERIFY EXACT REQUIREMENTS WITH LOCAL AHJ AND OWNER PRIOR TO FINALIZING BID. ALL CONDUIT IS TO BE ROUTED OVERHEAD AS HIGH AS POSSIBLE (TIGHT TO THE STRUCTURE ABOVE).
6. PROVIDE 3/4" X 4' X 8' FIRE TREATED PLYWOOD BACKBOARD FOR NEW LANDLORD MAIN TELEPHONE DEMARK. REFEERENCE COMMUNICATION BOARD DETAIL SHEET E-001 FOR MORE INFORMATION.
7. (4)#3 & (1)#8 GND - 1 1/4" C.ROUTED OVERHEAD AS HIGH AS POSSIBLE (TIGHT TO THE STRUCTURE ABOVE) TO STUB IN LOCATION. E.C. TO VERIFY FINAL STUB IN LOCATION WITH LANDLORD PRIOR TO ANY ROUGH IN. STUB CONDUIT DOWN TO 8' AFF AND PROVIDE 25' COIL OF WIRE FOR FUTURE EXTENSION BY THE TENANT. E.C. TO FINALIZE LOCATION OF ALDI POWERWALL PRIOR TO STUB IN.

## EQUIPMENT FEEDER SCHEDULE

| EQUIPMENT TAG | VOLTAGE-PHASE | CIRCUIT(S) | MOCP | FEEDER |  | DISCONNECT |  |  |  |  | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  | CONDUCTOR & GROUND | CONDUIT | PROVIDER | AMPERAGE | POLES | FUSES | NEMA |  |
| RTU-1 | 208V-3Ø | CLB-2,4,6 | 90A | (4)#3 & (1)#8 GND. | 1 1/4" | M.C. | 100A | 3 | 90 | 3R | - |
| RTU-2 | 208V-3Ø | CLB-8,10,12 | 90A | (4)#3 & (1)#8 GND. | 1 1/4" | M.C. | 100A | 3 | 90 | 3R | - |
| RTU-3 | 208V-3Ø | CLB-14,16,18 | 90A | (4)#3 & (1)#8 GND. | 1 1/4" | M.C. | 100A | 3 | 90 | 3R | - |
| RTU-4 | 208V-3Ø | CLB-20,22,24 | 90A | (4)#3 & (1)#8 GND. | 1 1/4" | M.C. | 100A | 3 | 90 | 3R | - |
| RTU-5 | 208V-3Ø | CLB-26,28,30 | 80A | (4)#4 & (1)#8 GND. | 1 1/4" | M.C. | 100A | 3 | 80 | 3R | - |
| RTU-6 | 208V-3Ø | CLB-32,34,36 | 40A | (4)#6 & (1)#10 GND. | 1" | M.C. | 60A | 3 | 40 | 3R | - |
| EUH-1 | 208V-3Ø | LL-2,4,6 | 20A | (4)#12 & (1)#12 GND. | 3/4" | INTEGRAL | - | - | - | - | - |

Riverside Market

New Orleans, LA

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JEFFERY D. MITERKO
REG. No. 27852
9/8/26

ELECTRICAL
PLAN

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## (RELOCATED)

### PANELBOARD DESIGNATION PS

120/208V VOLTS 3 PH. 4 WIRE SOLID NEUTRAL MOUNTING: FLUSH -
100A AMPERE BUS 100A AMPERE MAIN M.C.B. SURFACE X
SPECIAL REQUIREMENTS

| NOTES | CKT NO. | KVA | DESCRIPTION | A | B | C | | DESCRIPTION | KVA | CKT No. | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 1 | 0.4 | SIGN LETTERS | 2.1 | | | 20A | SIGN LETTERS | - | 2 | 16 |
| 16 | 3 | 0.8 | SIGN LETTERS | | 2.5 | | | SIGN LETTERS | - | 4 | 16 |
| 16 | 5 | 0.5 | SIGN LETTERS | | | 2.2 | | SIGN LETTERS | - | 6 | 16 |
| 16 | 7 | - | UNDER CANOPY LIGHTS | - | | | | SPACE | - | 8 | 16 |
| 16 | 9 | - | SIGN LETTERS | | - | | | PYLON #2 | - | 10 | 16 |
| 16 | 11 | - | PYLON #1 | | | - | | CONTACTORS | - | 12 | 16 |
| 16 | 13 | - | SPACE | - | | | | SEC LIGHTS | - | 14 | 16 |
| 16 | 15 | - | PARKING LOT FL | | - | | | SPACE | - | 16 | - |
| 16 | 17 | - | WALL LIGHTS | | | - | | SPACE | - | 18 | - |
| 16 | 19 | - | PARKING LOT FL | - | | | | SPACE | - | 20 | - |
| 16 | 21 | - | PARKING LOT FL | | - | | | SPACE | - | 22 | - |
| - | 23 | - | SPACE | | | - | | SPACE | - | 24 | - |
| - | 25 | - | SPACE | - | | | | SPACE | - | 26 | - |
| - | 27 | - | SPACE | | - | | | SPACE | - | 28 | - |
| - | 29 | - | SPACE | | | - | | SPACE | - | 30 | - |
| - | 31 | - | SPACE | - | | | | SPACE | - | 32 | - |
| - | 33 | - | SPACE | | - | | | SPACE | - | 34 | - |
| - | 35 | - | SPACE | | | - | | SPACE | - | 36 | - |
| - | 37 | - | SPACE | - | | | | SPACE | - | 38 | - |
| - | 39 | - | SPACE | | - | | | SPACE | - | 40 | - |
| - | 41 | - | SPACE | | | - | | SPACE | - | 42 | - |
| | | | KVA SUB TOTALS | - | - | - | | | | | |

TOTAL CONNECTED LOAD - KVA

ALL EXTERIOR LIGHTING CIRCUITS TO REMAIN ON PS PANEL. CIRCUITS TO BE INTERCEPTED AND EXTENDED TO NEW PANEL LOCATION IN LANDLORD ELECTRICAL ROOM. LIGHTING CONTACTORS TO REMAIN INTACT AND RELOCATED TO LANDLORD ELECTRICAL ROOM

## (RELOCATED)

### PANELBOARD DESIGNATION RDP

120/208V VOLTS 3 PH. 4 WIRE SOLID NEUTRAL MOUNTING: FLUSH -
800A AMPERE BUS 600A AMPERE MAIN M.C.B. SURFACE X
SPECIAL REQUIREMENTS

| NOTES | CKT NO. | KVA | DESCRIPTION | A | B | C | | DESCRIPTION | KVA | CKT No. | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| - | 1 | 0.4 | REC - PANEL QUAD | 9.5 | | | 90A | RTU-1 | 9.1 | 2 | - |
| - | 3 | - | SPARE | | 10.1 | | | | 9.1 | 4 | - |
| - | 5 | - | SPARE | | | 10.3 | | | 9.1 | 6 | - |
| - | 7 | - | SPARE | 9.1 | | | 90A | RTU-2 | 9.1 | 8 | - |
| - | 9 | - | SPARE | | 9.1 | | | | 9.1 | 10 | - |
| - | 11 | - | SPARE | | | 9.1 | | | 9.1 | 12 | - |
| - | 13 | - | SPARE | 9.1 | | | 90A | RTU-3 | 9.1 | 14 | - |
| - | 15 | - | SPARE | | 9.1 | | | | 9.1 | 16 | - |
| - | 17 | - | SPARE | | | 9.1 | | | 9.1 | 18 | - |
| - | 19 | - | SPARE | 9.1 | | | 90A | RTU-4 | 9.1 | 20 | - |
| - | 21 | - | SPARE | | 9.1 | | | | 9.1 | 22 | - |
| - | 23 | - | SPARE | | | 9.1 | | | 9.1 | 24 | - |
| - | 25 | - | SPARE | 7.7 | | | 80A | RTU-5 | 7.7 | 26 | - |
| - | 27 | - | SPARE | | 7.7 | | | | 7.7 | 28 | - |
| - | 29 | - | SPARE | | | 7.7 | | | 7.7 | 30 | - |
| - | 31 | - | SPACE | 3.5 | | | 40A | RTU-6 | 3.5 | 32 | - |
| - | 33 | - | SPACE | | 3.5 | | | | 3.5 | 34 | - |
| - | 35 | - | SPACE | | | 3.5 | | | 3.5 | 36 | - |
| - | 37 | - | SPACE | - | | | 225A | PANEL CLB | - | 38 | - |
| - | 39 | - | SPACE | | - | | | | - | 40 | - |
| - | 41 | - | SPACE | | | - | | | - | 42 | - |
| | | | KVA SUB TOTALS | 48.0 | 48.6 | 48.8 | | | | | |

TOTAL CONNECTED LOAD 145.4 KVA

## (RELOCATED)

### PANELBOARD DESIGNATION CLB

120/208V VOLTS 3 PH. 4 WIRE SOLID NEUTRAL MOUNTING: FLUSH -
225A AMPERE BUS 225A AMPERE MAIN MLO SURFACE X
SPECIAL REQUIREMENTS

| NOTES | CKT NO. | KVA | DESCRIPTION | A | B | C | DESCRIPTION | KVA | CKT No. | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| - | 1 | 0.4 | REC - PANEL QUAD | 0.4 | | | SUPERIOR LIFT | - | 2 | 16 |
| - | 3 | 1.0 | REC - RTU | | 1.0 | | ENTRY AUTODOOR | - | 4 | 16 |
| - | 5 | 1.2 | SIGNAGE | | | 1.7 | NAC | 0.5 | 6 | 6 |
| - | 7 | - | SPARE | - | | | SPARE | - | 8 | - |
| - | 9 | - | SPARE | | - | | SPARE | - | 10 | - |
| - | 11 | - | SPARE | | | - | SPARE | - | 12 | - |
| - | 13 | - | SPACE | - | | | SPACE | - | 14 | - |
| - | 15 | - | SPACE | | - | | SPACE | - | 16 | - |
| - | 17 | - | SPACE | | | - | SPACE | - | 18 | - |
| - | 19 | - | SPACE | - | | | SPACE | - | 20 | - |
| - | 21 | - | SPACE | | - | | SPACE | - | 22 | - |
| - | 23 | - | SPACE | | | - | SPACE | - | 24 | - |
| - | 25 | - | SPACE | - | | | SPACE | - | 26 | - |
| - | 27 | - | SPACE | | - | | SPACE | - | 28 | - |
| - | 29 | - | SPACE | | | - | SPACE | - | 30 | - |
| - | 31 | - | SPACE | - | | | SPACE | - | 32 | - |
| - | 33 | - | SPACE | | - | | SPACE | - | 34 | - |
| - | 35 | - | SPACE | | | - | SPACE | - | 36 | - |
| - | 37 | - | SPACE | - | | | SPACE | - | 38 | - |
| - | 39 | - | SPACE | | - | | SPACE | - | 40 | - |
| - | 41 | - | SPACE | | | - | SPACE | - | 42 | - |
| | | | KVA SUB TOTALS | 0.4 | - | - | | | | |

TOTAL CONNECTED LOAD 0.4 KVA

## (NEW)

### PANELBOARD DESIGNATION LL

120/208V VOLTS 3 PH. 4 WIRE SOLID NEUTRAL MOUNTING: FLUSH -
100A AMPERE BUS 100A AMPERE MAIN M.C.B. SURFACE X
SPECIAL REQUIREMENTS

| NOTES | CKT NO. | KVA | DESCRIPTION | A | B | C | | DESCRIPTION | KVA | CKT No. | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|---|
| - | 1 | 0.4 | REC - PANEL QUAD | 2.1 | | | 20A | EUH-1 | 1.7 | 2 | - |
| - | 3 | 0.8 | REC - COM. BACKBOARD | | 2.5 | | | | 1.7 | 4 | - |
| 6 | 5 | 0.5 | FACP | | | 2.2 | | | 1.7 | 6 | - |
| - | 7 | - | SPACE | - | | | | SPACE | - | 8 | - |
| - | 9 | - | SPACE | | - | | | SPACE | - | 10 | - |
| - | 11 | - | SPACE | | | - | | SPACE | - | 12 | - |
| - | 13 | - | SPACE | - | | | | SPACE | - | 14 | - |
| - | 15 | - | SPACE | | - | | | SPACE | - | 16 | - |
| - | 17 | - | SPACE | | | - | | SPACE | - | 18 | - |
| - | 19 | - | SPACE | - | | | | SPACE | - | 20 | - |
| - | 21 | - | SPACE | | - | | | SPACE | - | 22 | - |
| - | 23 | - | SPACE | | | - | | SPACE | - | 24 | - |
| - | 25 | - | SPACE | - | | | | SPACE | - | 26 | - |
| - | 27 | - | SPACE | | - | | | SPACE | - | 28 | - |
| - | 29 | - | SPACE | | | - | | SPACE | - | 30 | - |
| - | 31 | - | SPACE | - | | | | SPACE | - | 32 | - |
| - | 33 | - | SPACE | | - | | | SPACE | - | 34 | - |
| - | 35 | - | SPACE | | | - | | SPACE | - | 36 | - |
| - | 37 | - | SPACE | - | | | 100A | PANEL "PS" | - | 38 | - |
| - | 39 | - | SPACE | | - | | | | - | 40 | - |
| - | 41 | - | SPACE | | | - | | | - | 42 | - |
| | | | KVA SUB TOTALS | 2.1 | 2.5 | 2.2 | | | | | |

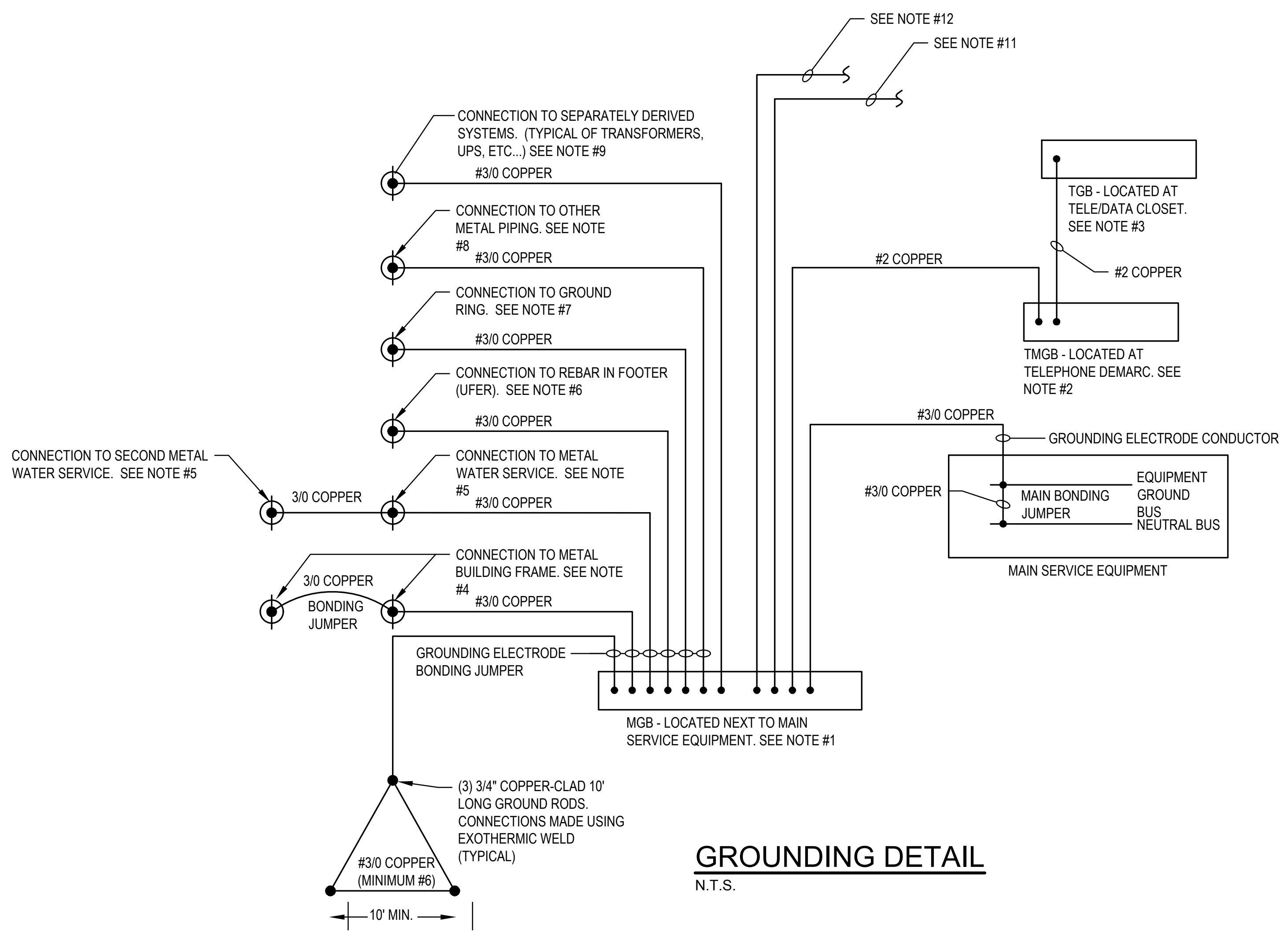
TOTAL CONNECTED LOAD 5.5 KVA

## PANELBOARD NOTES

- ALL BREAKERS SHALL BE 20A/1P, UNLESS NOTED OTHERWISE.
- ALL BREAKERS SHALL BE HACR RATED.

NOTE: NOT ALL NOTES BELOW MAY APPLY TO THIS PROJECT.

1. "1" INDICATES BREAKER SHALL BE "SWD" RATED.
2. "2" INDICATES BREAKER SHALL BE COMBINATION "ARC-FAULT / GFI" TYPE.
3. "3" INDICATES BREAKER SHALL BE "GFI" TYPE, WITH RATING AS REQUIRED BY NEC PER APPLICATION. PROVIDE 5mA RATING FOR PERSONNEL PROTECTION. PROVIDE 30mA RATING FOR EQUIPMENT PROTECTION.
4. "4" INDICATES BREAKER SHALL BE SHUNT-TRIP TYPE.
5. "5" INDICATES BREAKER TO BE "ARC-FAULT" TYPE.
6. "6" INDICATES BREAKER TO HAVE LOCK-ON CLIP.
7. "7" INDICATES BREAKER TO HAVE LOCK-ON CLIP AND RED MARKING.
8. "8" INDICATES CIRCUIT TO HAVE REMOTE 5mA GFI PROTECTION MODULE MOUNTED IN JUNCTION BOX WITH HINGED COVER ADJACENT TO PANELBOARD. MODULE SHALL BE LABELED AS TO THE CIRCUIT AND EQUIPMENT THAT IS BEING PROTECTED.
9. "9" INDICATES BRANCH CIRCUIT ROUTED THROUGH EMERGENCY LIGHTING INVERTER.
10. "10" INDICATES TO FURNISH AND INSTALL HANDLE TIES FOR MULTIPLEXED CIRCUITS.
11. "11" INDICATES TO FURNISH AND INSTALL NEW BRANCH CIRCUIT USING EXISTING BREAKER.
12. "12" INDICATES TO FURNISH AND INSTALL NEW BREAKER. BREAKER SHALL MATCH EXISTING PANELBOARD MANUFACTURER, TYPE, AND AIC RATING.
13. "13" INDICATES TO USE EXISTING SPARE BREAKER FOR NEW BRANCH CIRCUIT.
14. "C-#" INDICATES DESIGNATION OF CONTACTOR CONTROLLING CIRCUIT. SEE CONTACTOR SCHEDULE.
15. "RP-#" INDICATES DESIGNATION OF RELAY / LIGHTING CONTROL SYSTEM MODULE CONTROLLING CIRCUIT. SEE LIGHTING CONTROL DETAILS.
16. INFORMATION ON ELECTRICAL EQUIPMENT IS UNKNOWN. E.C. TO VERIFY LOAD INFORMATION WITH EQUIPMENT SPECIFICATION DERIVED FROM MANUFACTURER


SEE NOTE #12
SEE NOTE #11
CONNECTION TO SEPARATELY DERIVED SYSTEMS. (TYPICAL OF TRANSFORMERS, UPS, ETC...) SEE NOTE #9
#3/0 COPPER
CONNECTION TO OTHER METAL PIPING. SEE NOTE #8
#3/0 COPPER
CONNECTION TO GROUND RING. SEE NOTE #7
#3/0 COPPER
CONNECTION TO REBAR IN FOOTER (UFER). SEE NOTE #6
#3/0 COPPER
CONNECTION TO SECOND METAL WATER SERVICE. SEE NOTE #5
3/0 COPPER
CONNECTION TO METAL WATER SERVICE. SEE NOTE #5
#3/0 COPPER
3/0 COPPER
BONDING JUMPER
CONNECTION TO METAL BUILDING FRAME. SEE NOTE #4
#3/0 COPPER
GROUNDING ELECTRODE BONDING JUMPER
MGB - LOCATED NEXT TO MAIN SERVICE EQUIPMENT. SEE NOTE #1
(3) 3/4" COPPER-CLAD 10' LONG GROUND RODS. CONNECTIONS MADE USING EXOTHERMIC WELD (TYPICAL)
#3/0 COPPER (MINIMUM #6)
10' MIN.
TGB - LOCATED AT TELE/DATA CLOSET. SEE NOTE #3
#2 COPPER
#2 COPPER
TMGB - LOCATED AT TELEPHONE DEMARC. SEE NOTE #2
#3/0 COPPER
GROUNDING ELECTRODE CONDUCTOR
#3/0 COPPER
MAIN BONDING JUMPER
EQUIPMENT GROUND BUS
NEUTRAL BUS
MAIN SERVICE EQUIPMENT

## GROUNDING DETAIL

N.T.S.

REFERENCED DETAIL NOTES:

1. MGB (MAIN GROUND BAR) SHALL BE ERICO #EGBA14412- - (INCLUDES MOUNTING BRACKET AND INSULATORS; HOLE PATTERN AS REQUIRED FOR INSTALLATION, INCLUDING SPARE HOLES FOR FUTURE USE.) OR EQUAL BY HARGER. USE COMPRESSION CONNECTORS (LISTED FOR GROUNDING) TO CONNECT COPPER WIRE TO MGB.
2. TMGB (TELECOMMUNICATION MAIN GROUND BAR) SHALL BE ERICO #TMGBA12L15PT (INCLUDES MOUNTING BRACKET AND INSULATORS) OR EQUAL BY HARGER. USE COMPRESSION CONNECTORS (LISTED FOR GROUNDING) TO CONNECT COPPER WIRE TO TMGB.
3. TGB (TELECOMMUNICATION GROUND BAR) SHALL BE ERICO #TGBA12L06PT (INLUDES MOUNTING BRACKET AND INSULATORS) OR EQUAL BY HARGER. USE PRESSURE CONNECTORS (LISTED FOR GROUNDING) TO CONNECT COPPER WIRE TO TGB.
4. METAL BUILDING FRAME MUST BE USED AS A GROUNDING ELECTRODE WHERE IT IS EFFECTIVELY GROUNDED PER NEC SECTION 250.52. PROVIDE #3/0 BONDING JUMPERS AS REQUIRED TO PROVIDE CONTINUOUS CONDUCTIVITY WHERE BUILDING FRAME IS SEPARATED INTO ELECTRICALLY ISOLATED SECTIONS AS MAY OCCUR FROM EXPANSION JOINTS, BUILDING ADDITIONS, BUILDING ELEVATION CHANGES, AND THE LIKE.
5. WHERE A WATER METER OR FILTERING EQUIPMENT IS IN THIS METAL WATER PIPING SYSTEM, IT MUST BE BONDED AROUND TO MAINTAIN CONTINUITY EVEN IF THE WATER METER OR FILTER IS REMOVED PER NEC SECTION 250.52.
6. THE REBAR MUST NOT BE LESS THAN 20 FEET IN LENGTH AND 1/2" IN DIAMETER OR 20 FEET OR MORE OF BARE COPPER CONDUCTOR NOT SMALLER THAN NO. 4 IN THE BOTTOM OF THE FOOTER PER NEC SECTION 250.52.
7. GROUND RING SHALL BE A BARE COPPER CONDUCTOR, NOT SMALLER THAN NO. 2 AND AT LEAST 20 FEET LONG. THE CONDUCTOR MUST "ENCIRCLE" THE BUILDING OR STRUCTURE AND BE BURIED NOT LESS THAN 2-1/2 FEET DEEP PER NEC SECTION 250.52.
8. IF INSTALLED IN OR ATTACHED TO A BUILDING OR STRUCTURE, METAL PIPING SYSTEM(S), INCLUDING GAS PIPING, THAT IS LIKELY TO BECOME ENERGIZED SHALL BE BONDED PER NEC 250.104 (B). THE BONDING CONDUCTOR(S) OR JUMPER(S) SHALL BE SIZED IN ACCORDANCE WITH TABLE 250.102(C)(1) OR 250.122, AND EQUIPMENT GROUNDING CONDUCTORS SHALL BE SIZED IN ACCORDANCE WITH TABLE 250.102(C)(1) OR 250.122 USING THE RATING OF THE CIRCUIT THAT IS LIKELY TO ENERGIZE THE PIPING SYSTEM(S). THE POINTS OF ATTACHMENT OF THE BONDING JUMPER(S) SHALL BE ACCESSIBLE
9. THE METAL FRAME OF THE BUILDING SHALL BE USED AS A COMMON GROUNDING ELECTRODE CONDUCTOR. IF BUILDING DOES NOT HAVE A METAL FRAME, A #3/0 COMMON GROUNDING ELECTRODE CONDUCTOR SHALL BE RUN FROM THE MAIN GROUND BAR FOR ALL SEPARATELY DERIVED SYSTEMS. MULTIPLE SEPARATELY DERIVED SYSTEMS MAY BE CONNECTED TO THE GROUNDING ELECTRODE SYSTEM BY INDIVIDUAL CONDUCTORS OR A COMMON CONDUCTOR WITH TAPS. THE GROUNDING ELECTRODE TAP CONDUCTOR FOR EACH SYSTEM SHALL BE CONNECTED TO THE COMMON GROUNDING ELECTRODE CONDUCTOR WITH THE CONNECTION IN AN ACCESSIBLE LOCATION.
10. IF INCLUDED AS PART OF THE PROJECT, THE LIGHTNING PROTECTION SYSTEM SHALL BE BONDED TO THE GROUNDING ELECTRODE SYSTEM AT THE MAIN GROUND BAR. INTERCONNECTIONS AND SIZING OF THE BONDING CONDUCTOR(S) SHALL BE INSTALLED PER NFPA 780 AND AS REQUIRED BY THE DELEGATED DESIGN FOR THE UL MASTER LABELED LIGHTNING PROTECTION SYSTEM.
11. GROUNDING CONDUCTORS TO ADDITIONAL EQUIPMENT AS REQUIRED BY NEC 250 AND SPECIFICATIONS.
12. IF STORM SHELTER IS INCLUDED AS PART OF THE PROJECT, PROVIDE BONDING JUMPER FROM THE STORM SHELTERS' GROUNDING ELECTRODE SYSTEM TO THE BUILDING'S GROUNDING ELECTRODE SYSTEM. INSTALLATION SHALL COMPLY WITH FEMA 361 / ICC 500 INSTALLATION AND NEC REQUIREMENTS.

GENERAL NOTES:

1. ALL GROUNDING WORK AND MATERIALS SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE WITH REQUIREMENTS IN NEC 250.
2. ALL GROUNDING CONDUCTORS SHALL BE COPPER. PROVIDE INSULATED CONDUCTORS FOR INTERIOR INSTALLATIONS AND BARE COPPER FOR EXTERIOR INSTALLATIONS.
3. ALL UNDERGROUND CONNECTIONS TO ELECTRODES AND CONDUCTORS SHALL BE MADE BY EXOTHERMIC WELDING.
4. CONDUCTOR CONNECTIONS TO MAIN GROUND BAR SHALL BE MADE WITH COMPRESSION CONNECTORS LISTED FOR GROUNDING.
5. GROUNDING ELECTRODE AND BONDING JUMPERS SHALL BE INSTALLED SO THAT THEY ARE NOT ANY LONGER THAN NECESSARY AND ANY UNNECESSARY BENDS AND LOOPS ARE AVOIDED.
6. REFERENCE ONE-LINE DIAGRAM FOR CONDUCTOR SIZE OF THE SUPPLY SIDE BONDING JUMPER AND GROUNDING ELECTRODE TAP CONDUCTOR SERVING SEPARATELY DERIVED SYSTEM(S).
7. REFERENCE ONE-LINE DIAGRAM FOR CONDUCTOR SIZE OF THE EQUIPMENT GROUNDING CONDUCTOR SERVING ELECTRICAL DISTRIBUTION EQUIPMENT.
8. INSTALL SLEEVES, SLEEVE SEALS, FIRE STOPPING, RACEWAYS TO PROTECT AGAINST PHYSICAL DAMAGE AND ENVIRONMENTAL CONDITIONS WHERE REQUIRED. FURNISH AND INSTALL BONDING BUSHINGS WHERE FERROUS METALLIC RACEWAYS ARE UTILIZED.
9. GROUND ELECTRODE CONDUCTORS (GECS) AND BONDING JUMPERS ARE PERMITTED TO BE SIZED BASED ON THE ELECTRODES TO WHICH THEY CONNECT, AS SPECIFIED IN NEC 250.66(A), (B), OR (C). HOWEVER, IF THE GEC OR BONDING JUMPER EXTENDS FROM THIS CONNECTION TO AN ELECTRODE THAT IS NOT SPECIFIED IN NEC 250.66(A), (B), OR (C), IT MUST BE SIZED PER NEC TABLE 250.66. THE USE OF BONDING JUMPERS OR GECS LARGER THAN REQUIRED BY NEC 250.66 IS NOT PROHIBITED.

## LIGHTING FIXTURE SCHEDULE NOTES:

1. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN AND/OR ROOM FINISH SCHEDULE TO DETERMINE PROPER TYPE OF LIGHT FIXTURE REQUIRED FOR THE CEILING CONSTRUCTION PRIOR TO ORDERING THE FIXTURES & PROVIDE FIXTURES THAT ARE COMPATIBLE WITH THE CEILING SYSTEM.
2. REFER TO ARCHITECTURAL INTERIOR AND EXTERIOR ELEVATIONS FOR EXACT LOCATIONS AND MOUNTING HEIGHTS OF LIGHT FIXTURES.
3. PROJECT-SPECIFIC PHOTOMETRIC CALCULATIONS MAY BE REQUIRED FOR SOME FIXTURE TYPES AS PART OF SHOP DRAWING SUBMITTALS AS DETERMINED BY THE ENGINEER.
4. BASIS-OF-DESIGN LIGHT FIXTURE PACKAGE IS INDICATED IN LIGHTING FIXTURE SCHEDULE. UNLESS OTHERWISE NOTED, AN ALTERNATE LIGHT FIXTURE PACKAGE MAY BE SUBMITTED PROVIDED THAT THE LIGHT FIXTURES SUBMITTED MEET OR EXCEED THE QUALITY, PERFORMANCE, AND AESTHETICS OF THE BASIS-OF-DESIGN LIGHT FIXTURES AS DETERMINED BY ENGINEER AND ARCHITECT. LIGHT FIXTURES MUST BE REVIEWED AND APPROVED BY THE ENGINEER, ARCHITECT, AND OWNER PRIOR TO ACCEPTANCE. PROJECT-SPECIFIC PHOTOMETRIC CALCULATIONS PLANS MAY BE REQUIRED TO CONFIRM PERFORMANCE OF ALTERNATE LIGHT FIXTURE PACKAGE.
5. WHERE LIGHT FIXTURES ARE NOTED TO HAVE EMERGENCY BACKUP, THE EMERGENCY BACKUP SHALL PROVIDE A MINIMUM OF NINETY (90) MINUTES OF CODE REQUIRED EMERGENCY LIGHTING. EACH EMERGENCY BACKUP PROVIDED SHALL PRODUCE THE MAXIMUM LUMEN OUTPUT AVAILABLE FOR THE FIXTURE.
6. WHERE APPLICABLE, ALL EMERGENCY BACKUP CONFIGURATIONS SHALL INCLUDE AN INDEPENDENT SECONDARY DRIVER WITH AN INTEGRAL RELAY TO IMMEDIATELY DETECT AC POWER LOSS, MEETING INTERPRETATIONS OF NEC - 700.16.
7. ALL LIGHTING FIXTURE(S) ON EMERGENCY CIRCUITS INDICATED TO BE CONTROLLED WITH FIXTURES ON NORMAL POWER SHALL BE FORCED ON AT FULL OUTPUT UPON LOSS OF NORMAL POWER OR ACTIVATION OF FIRE ALARM SYSTEM. PROVIDE UL924 EMERGENCY RELAY/POWER PACK AND WIRE TO FIRE ALARM RELAY MODULE AS REQUIRED. WHERE EMERGENCY CIRCUITS ARE ROUTED THROUGH THE LOW VOLTAGE LIGHTING CONTROL SYSTEM, THAT SYSTEM SHALL BE UL924 LISTED TO FORCE THE LIGHTS ON (REFER TO LOW VOLTAGE LIGHTING CONTROL SYSTEM DIAGRAM NOTES). IN AREAS WITH LOCAL LIGHTING CONTROLS, THE LOCAL CONTROLS SHALL BE PROVIDED WITH UL924 EMERGENCY POWER PACKS TO FORCE THE LIGHTS ON.

   NOTE: SOME AREAS/FIXTURES HAVE MULTIPLE TYPES OF CONTROL
8. VERIFY VOLTAGE REQUIREMENTS WITH RESPECT TO PLAN CIRCUITING, PANEL SCHEDULES, REMOTE POWER SUPPLIES, AND CONTROLS.
9. COORDINATE DIMMING DRIVER TYPE WITH LIGHTING CONTROLS PRIOR TO ORDERING. DIMMING DRIVERS SHALL BE CAPABLE OF DIMMING DOWN TO 1% UNLESS OTHERWISE NOTED.
10. ALL FIXTURE FINISHES ARE TO BE SELECTED BY ARCHITECT.
11. ALL LIGHTING FIXTURES ARE TO BE PROVIDED WITH REQUIRED HARDWARE FOR MOUNTING AND ANY AUXILIARY DRIVERS/DEVICES/ACCESSORIES FOR A FULLY FUNCTIONING LIGHT FIXTURE.
12. ALL PENETRATIONS IN OR THROUGH FIRE RATED ASSEMBLIES ASSOCIATED WITH THE ELECTRICAL INSTALLATION (INCLUDING LIGHT FIXTURES) SHALL BE FIRE-STOPPED USING A UL LISTED APPROVED METHOD (MEETING OR EXCEEDING RATING OF STRUCTURE PENETRATED AS INDICATED ON ARCHITECTURAL PLANS) TO COMPLY WITH CODE FOR PROJECT CONDITIONS.

   NOTE: CONTRACTOR SHALL FURNISH, INSTALL, AND WIRE ADDITIONAL EXIT SIGNS TYPE "xxx" AND EMERGENCY LIGHTING FIXTURE TYPE "xxx" FOR ADDITIONAL FIXTURES THAT MAY BE REQUIRED BY THE AUTHORITY HAVING JURISDICTION. TURNOVER ANY UNUSED FIXTURES TO THE OWNER. QUANTITY OF ADDITIONAL FIXTURES SHALL BE 5% OF EACH TYPE, MINIMUM OF ONE (1) OF EACH TYPE.

### ELECTRICAL LOAD SUMMARY 120/208V

| ITEM | LOADS (KVAC) | | |
|---|---|---|---|
| | AREA (SQ/FT) | WATTS/SQ/FT | TOTAL (KVA) |
| ALDI | 24,995 | 25 | 624.9 |
| TENANT | 22,490 | 25 | 562.5 |
| TOTAL | | | 1187.4 |

### LIGHTING FIXTURE SCHEDULE (120/208V)

| TYPE | LOAD (VA) | LAMPS | | MANUFACTURER | CATALOG NUMBER | DESCRIPTION |
|---|---|---|---|---|---|---|
| | | No. | TYPE | | | |
| EX<br>⊗ | 1.0 | - | - | LITHONIA | LQM S W RG MVOLT M6 | LQM QUANTUM EXIT SIGN - RED/GREEN SWITCHABLE LETTERING - POP OUT CHEVRONS - QUICK MOUNT CAPABILITY - MVOLT |
| WP-1<br>▭ | 13 | 1 | LED | COOPER LIGHTING | ENC -(ROUND CLEAN) INVUE | BRONZE, WET RATED ARCHITECTURAL WALL PACK. 480V EC TO VERIFY WITH OWNER AND CROSS REFRENCE EXISTING FIXTURES COLOR TEMPERATURE AND OPTICS. |
| G<br>◢ | 35 | 1 | LED | LITHONIA | CSS L48 4000LM MVOLT 35K 80CRI | SUSPENSION MOUNTED 4' LED STRIP LIGHT. COMPACT CHANNEL DESIGN WITH HIGH-GLOSS, BAKED WHITE ENAMEL FINISH - PROVIDE WITH EM BATTERY BACKUP |

Riverside Market

New Orleans, LA

CREATE
ARCHITECTURE PLANNING & DESIGN PLLC

45 West 34th Street
Penthouse
New York, NY 10001

Phone: (212) 297-0880
createworldwide.com

Owner / Developer:
Aub Properties Inc.
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
Richfield, OH 44286

| Rev: | Date: | Description: |
|---|---|---|
| | 09/08/2026 | ISSUED FOR BID & PERMIT |
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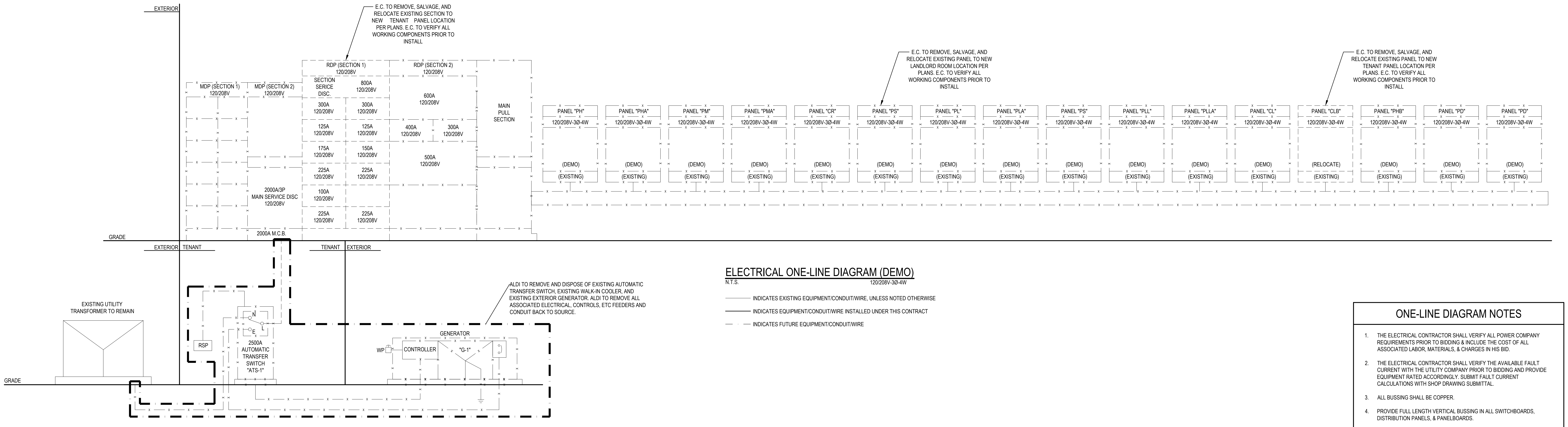
JEFFERY D. MITERKO
REG. No. 27852

PANELBOARD SCHEDULES

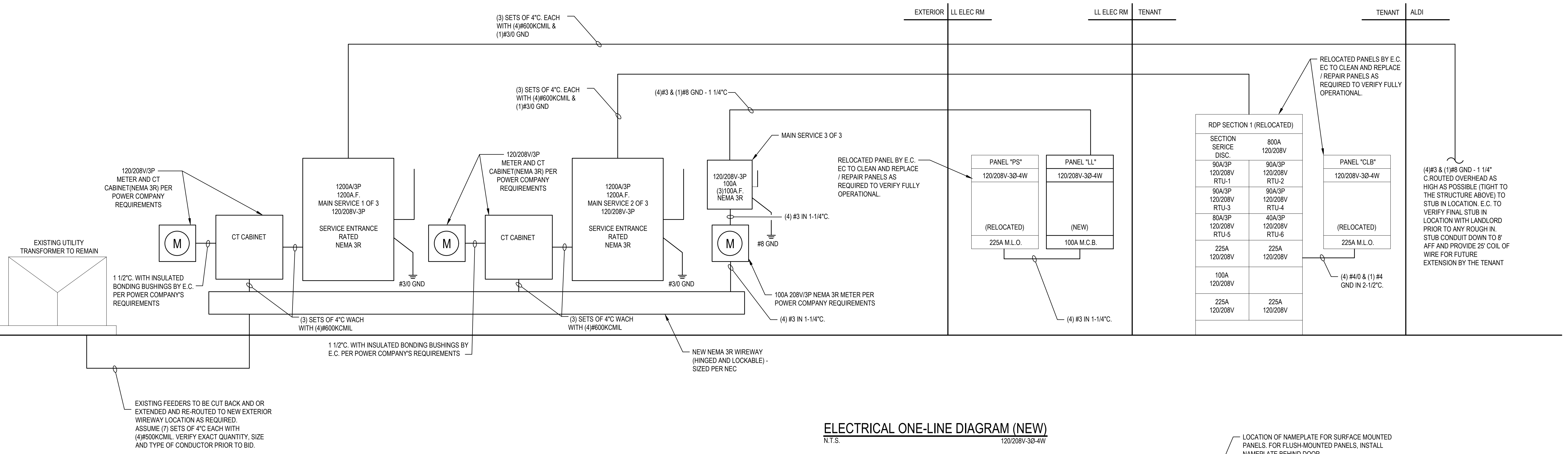
2525A E-201


EXTERIOR
E.C. TO REMOVE, SALVAGE, AND RELOCATE EXISTING SECTION TO NEW TENANT PANEL LOCATION PER PLANS. E.C. TO VERIFY ALL WORKING COMPONENTS PRIOR TO INSTALL
RDP (SECTION 1) 120/208V
RDP (SECTION 2) 120/208V
MDP (SECTION 1) 120/208V
MDP (SECTION 2) 120/208V
SECTION SERICE DISC.
800A 120/208V
300A 120/208V
300A 120/208V
125A 120/208V
125A 120/208V
175A 120/208V
150A 120/208V
225A 120/208V
225A 120/208V
100A 120/208V
225A 120/208V
225A 120/208V
600A 120/208V
400A 120/208V
300A 120/208V
500A 120/208V
MAIN PULL SECTION
2000A/3P MAIN SERVICE DISC 120/208V
2000A M.C.B.
GRADE
EXTERIOR
TENANT
TENANT
EXTERIOR
E.C. TO REMOVE, SALVAGE, AND RELOCATE EXISTING PANEL TO NEW LANDLORD ROOM LOCATION PER PLANS. E.C. TO VERIFY ALL WORKING COMPONENTS PRIOR TO INSTALL
E.C. TO REMOVE, SALVAGE, AND RELOCATE EXISTING PANEL TO NEW TENANT PANEL LOCATION PER PLANS. E.C. TO VERIFY ALL WORKING COMPONENTS PRIOR TO INSTALL
PANEL "PH" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PHA" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PM" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PMA" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "CR" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PS" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PL" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PLA" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PS" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PLL" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PLLA" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "CL" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "CLB" 120/208V-3Ø-4W (RELOCATE) (EXISTING)
PANEL "PHB" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PD" 120/208V-3Ø-4W (DEMO) (EXISTING)
PANEL "PD" 120/208V-3Ø-4W (DEMO) (EXISTING)
EXISTING UTILITY TRANSFORMER TO REMAIN
RSP
N
L
E
2500A AUTOMATIC TRANSFER SWITCH "ATS-1"
ALDI TO REMOVE AND DISPOSE OF EXISTING AUTOMATIC TRANSFER SWITCH, EXISTING WALK-IN COOLER, AND EXISTING EXTERIOR GENERATOR. ALDI TO REMOVE ALL ASSOCIATED ELECTRICAL, CONTROLS, ETC FEEDERS AND CONDUIT BACK TO SOURCE.
GENERATOR
WP
CONTROLLER
"G-1"
GRADE

## ELECTRICAL ONE-LINE DIAGRAM (DEMO)

N.T.S.
120/208V-3Ø-4W

| | |
|---|---|
| ──── | INDICATES EXISTING EQUIPMENT/CONDUIT/WIRE, UNLESS NOTED OTHERWISE |
| ━━━━ | INDICATES EQUIPMENT/CONDUIT/WIRE INSTALLED UNDER THIS CONTRACT |
| — · — | INDICATES FUTURE EQUIPMENT/CONDUIT/WIRE |

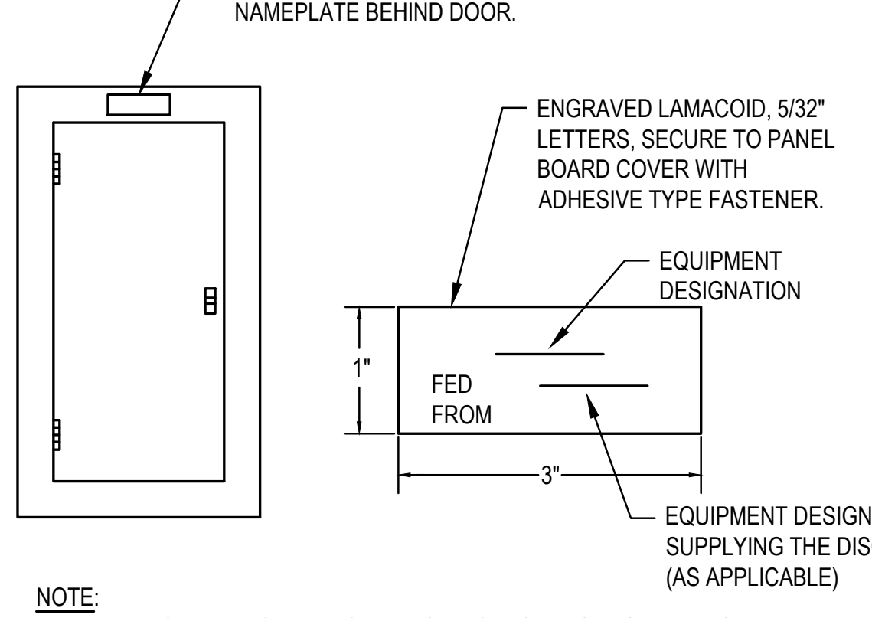

(3) SETS OF 4"C. EACH WITH (4)#600KCMIL & (1)#3/0 GND
(3) SETS OF 4"C. EACH WITH (4)#600KCMIL & (1)#3/0 GND
(4)#3 & (1)#8 GND - 1 1/4"C
MAIN SERVICE 3 OF 3
EXTERIOR
LL ELEC RM
LL ELEC RM
TENANT
TENANT
ALDI
120/208V/3P METER AND CT CABINET(NEMA 3R) PER POWER COMPANY REQUIREMENTS
120/208V/3P METER AND CT CABINET(NEMA 3R) PER POWER COMPANY REQUIREMENTS
M
CT CABINET
1200A/3P 1200A.F. MAIN SERVICE 1 OF 3 120/208V-3P SERVICE ENTRANCE RATED NEMA 3R
M
CT CABINET
1200A/3P 1200A.F. MAIN SERVICE 2 OF 3 120/208V-3P SERVICE ENTRANCE RATED NEMA 3R
120/208V-3P 100A (3)100A.F. NEMA 3R
M
#3/0 GND
#3/0 GND
#8 GND
(4) #3 IN 1-1/4"C.
EXISTING UTILITY TRANSFORMER TO REMAIN
1 1/2"C. WITH INSULATED BONDING BUSHINGS BY E.C. PER POWER COMPANY'S REQUIREMENTS
(3) SETS OF 4"C WACH WITH (4)#600KCMIL
(3) SETS OF 4"C WACH WITH (4)#600KCMIL
1 1/2"C. WITH INSULATED BONDING BUSHINGS BY E.C. PER POWER COMPANY'S REQUIREMENTS
NEW NEMA 3R WIREWAY (HINGED AND LOCKABLE) - SIZED PER NEC
100A 208V/3P NEMA 3R METER PER POWER COMPANY REQUIREMENTS
(4) #3 IN 1-1/4"C.
EXISTING FEEDERS TO BE CUT BACK AND OR EXTENDED AND RE-ROUTED TO NEW EXTERIOR WIREWAY LOCATION AS REQUIRED. ASSUME (7) SETS OF 4"C EACH WITH (4)#500KCMIL. VERIFY EXACT QUANTITY, SIZE AND TYPE OF CONDUCTOR PRIOR TO BID.
RELOCATED PANEL BY E.C. EC TO CLEAN AND REPLACE / REPAIR PANELS AS REQUIRED TO VERIFY FULLY OPERATIONAL.
PANEL "PS" 120/208V-3Ø-4W (RELOCATED) 225A M.L.O.
PANEL "LL" 120/208V-3Ø-4W (NEW) 100A M.C.B.
(4) #3 IN 1-1/4"C.
RELOCATED PANELS BY E.C. EC TO CLEAN AND REPLACE / REPAIR PANELS AS REQUIRED TO VERIFY FULLY OPERATIONAL.
RDP SECTION 1 (RELOCATED)
SECTION SERICE DISC.
800A 120/208V
90A/3P 120/208V RTU-1
90A/3P 120/208V RTU-2
90A/3P 120/208V RTU-3
90A/3P 120/208V RTU-4
80A/3P 120/208V RTU-5
40A/3P 120/208V RTU-6
225A 120/208V
225A 120/208V
100A 120/208V
225A 120/208V
225A 120/208V
PANEL "CLB" 120/208V-3Ø-4W (RELOCATED) 225A M.L.O.
(4) #4/0 & (1) #4 GND IN 2-1/2"C.
(4)#3 & (1)#8 GND - 1 1/4" C.ROUTED OVERHEAD AS HIGH AS POSSIBLE (TIGHT TO THE STRUCTURE ABOVE) TO STUB IN LOCATION. E.C. TO VERIFY FINAL STUB IN LOCATION WITH LANDLORD PRIOR TO ANY ROUGH IN. STUB CONDUIT DOWN TO 8' AFF AND PROVIDE 25' COIL OF WIRE FOR FUTURE EXTENSION BY THE TENANT

## ELECTRICAL ONE-LINE DIAGRAM (NEW)

N.T.S.
120/208V-3Ø-4W

| | |
|---|---|
| ──── | INDICATES EXISTING EQUIPMENT/CONDUIT/WIRE, UNLESS NOTED OTHERWISE |
| ━━━━ | INDICATES EQUIPMENT/CONDUIT/WIRE INSTALLED UNDER THIS CONTRACT |
| — · — | INDICATES FUTURE EQUIPMENT/CONDUIT/WIRE |

LOCATION OF NAMEPLATE FOR SURFACE MOUNTED PANELS. FOR FLUSH-MOUNTED PANELS, INSTALL NAMEPLATE BEHIND DOOR.


ENGRAVED LAMACOID, 5/32" LETTERS, SECURE TO PANEL BOARD COVER WITH ADHESIVE TYPE FASTENER.
EQUIPMENT DESIGNATION
1"
FED FROM
3"
EQUIPMENT DESIGNATION OF SOURCE SUPPLYING THE DISCONNECT MEANS (AS APPLICABLE)

NOTE:
NAMEPLATES ARE REQUIRED ON ALL SWITCHBOARDS, DISTRIBUTION PANELS, PANELBOARDS, ENCLOSURES AND ELECTRICAL CABINETS, ACCESS DOORS/PANELS FOR CONCEALED ELECTRICAL EQUIPMENT, EMERGENCY SYSTEMS/BOXES, MOTOR CONTROL CENTERS, ENCLOSED SWITCHES/CIRCUIT BREAKERS/CONTROLLERS, POWER-TRANSFER DEVICES, PUSH-BUTTONS, CONTACTORS, LIGHTING CONTROL SYSTEMS, INVERTERS, GENERATORS, UPS, MONITORING EQUIPMENT, STARTERS, DISCONNECT SWITCHES, METER SOCKETS, RELAYS, TRANSFORMERS, AND JUNCTION BOXES GREATER THAN 4 11/16" SQUARE. ALSO PROVIDE NAMEPLATES ON BRANCH SWITCHES/BREAKERS OF SWITCHBOARDS AND DISTRIBUTION PANELS.

STANDARD COLORS:
1. NORMAL POWER - WHITE BACKGROUND, BLACK LETTERS
2. EMERGENCY POWER - RED BACKGROUND, WHITE LETTERING
3. IN ADDITION TO THE FUNCTION NAMEPLATE, PROVIDE NAMEPLATES IDENTIFYING ALL "MAIN SERVICE NAMEPLATE DISCONNECTS" - RED BACKGROUND - WHITE LETTERING

## NAMEPLATE DETAIL

N.T.S.

## ONE-LINE DIAGRAM NOTES

1. THE ELECTRICAL CONTRACTOR SHALL VERIFY ALL POWER COMPANY REQUIREMENTS PRIOR TO BIDDING & INCLUDE THE COST OF ALL ASSOCIATED LABOR, MATERIALS, & CHARGES IN HIS BID.
2. THE ELECTRICAL CONTRACTOR SHALL VERIFY THE AVAILABLE FAULT CURRENT WITH THE UTILITY COMPANY PRIOR TO BIDDING AND PROVIDE EQUIPMENT RATED ACCORDINGLY. SUBMIT FAULT CURRENT CALCULATIONS WITH SHOP DRAWING SUBMITTAL.
3. ALL BUSSING SHALL BE COPPER.
4. PROVIDE FULL LENGTH VERTICAL BUSSING IN ALL SWITCHBOARDS, DISTRIBUTION PANELS, & PANELBOARDS.
5. PROVIDE FULL SIZE HORIZONTAL BUSSING IN ALL SWITCHBOARDS.
6. ALL CIRCUIT BREAKERS SHALL BE BOLT-ON TYPE.
7. ALL WALL-MOUNTED EQUIPMENT SHALL BE MOUNTED ON 3/4" FIRE RATED BACKBOARD.
8. ALL FLOOR-MOUNTED EQUIPMENT SHALL BE MOUNTED ON 4" HIGH CONCRETE HOUSEKEEPING PAD.
9. PROVIDE NAMEPLATES PER NAMEPLATE DETAIL.
10. COORDINATE SPACE WITH ALL OTHER TRADES TO MAINTAIN ALL CODE-REQUIRED CLEARANCES.
11. REFER TO ELECTRICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
12. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL SETTINGS REQUIRED FOR ALL ADJUSTABLE/ELECTRONIC TYPE CIRCUIT BREAKERS WITH LONGTIME, SHORT TIME, GF, INSTANTANEOUS, ETC. THE ELECTRICAL CONTRACTOR SHALL PROVIDE FINAL COORDINATION STUDY.
13. PROVIDE ARC ENERGY REDUCTION AS APPLICABLE:
    - 13.1. WHERE BREAKERS ARE UTILIZED WITHIN ELECTRICAL DISTRIBUTION EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL PROVIDE BREAKERS EQUIPPED WITH ADJUSTABLE INSTANTANEOUS TRIP SETTING TO COMPLY WITH NEC 240.87 ARC ENERGY REDUCTION. THE ADJUSTABLE INSTANTANEOUS TRIP SETTING OPTION SHALL BE PROVIDED WHERE THE HIGHEST CONTINUOUS TRIP SETTING FOR WHICH THE ACTUAL OVERCURRENT DEVICE INSTALLED IN A CIRCUIT BREAKER IS RATED OR CAN BE ADJUSTED IS 1200A OR HIGHER.
    - 13.2. WHERE FUSES ARE UTILIZED WITHIN ELECTRICAL DISTRIBUTION EQUIPMENT, THE ELECTRICAL CONTRACTOR SHALL PROVIDE FUSES EQUIPPED WITH CLEARING TIME OF 0.07 SECONDS OR LESS AT AVAILABLE ARCING CURRENT TO COMPLY WITH NEC 240.67 ARC ENERGY REDUCTION. THIS SHALL BE PROVIDED WHERE THE FUSE IS RATED AT 1200A OR HIGHER.
    - 13.3. PROVIDE PERFORMANCE TESTING PER NEC FOR ARC ENERGY REDUCTION SYSTEM. ENGAGE A FACTORY AUTHORIZED SERVICE REPRESENTATIVE TO PERFORM TESTING AND PROVIDE REQUIRED DOCUMENTATION. PROVIDE COPY OF TESTING AND DOCUMENTATION TO EOR AND LOCAL AHJ.
14. THE ELECTRICAL CONTRACTOR SHALL COMPLY WITH NEC ARTICLE 110.16 FOR LABELING OF PANELS FOR ARC FLASH HAZARD WARNING AS WELL AS FOLLOWING REQUIRED SAFETY PRECAUTIONS WHEN SERVICING OR MAINTAINING ELECTRICAL EQUIPMENT.
15. HVAC CIRCUIT BREAKERS TO BE "HACR" TYPE WHERE REQUIRED BY EQUIPMENT NAMEPLATE PER N.E.C
16. ELECTRICAL CONTRACTOR SHALL BALANCE PANELS AND ELECTRICAL EQUIPMENT TO ±10% BETWEEN PHASES: A/B, B/C, A/C REGARDLESS OF CIRCUITING INDICATED.
17. PROPER CLEARANCE MUST BE MAINTAINED ABOUT ELECTRICAL EQUIPMENT PER N.E.C.. FIELD VERIFY EXACT MOUNTING SPACE AVAILABLE IN ELECTRICAL ROOM / AREA PRIOR TO INSTALLATION OF ELECTRICAL EQUIPMENT.
18. ELECTRICAL CONTRACTOR SHALL MAKE FINAL ELECTRICAL CONNECTIONS FOR A COMPLETE ELECTRICAL DISTRIBUTION SYSTEM.
19. EXTERIOR MOUNTED ELECTRICAL EQUIPMENT SHALL BE NEMA 3R RATED AND BE FURNISHED WITH HEATERS, THERMOSTAT AND DISCONNECTING MEANS INTEGRAL TO EQUIPMENT.
20. DRY TYPE TRANSFORMERS SHALL BE GROUNDED TO THE BUILDING GROUNDING ELECTRODE SYSTEM PER NEC.
21. GROUNDING ELECTRODE SYSTEM CONDUCTORS SHALL BE COPPER.
22. CONDUCTORS SHALL BE COPPER, UNLESS NOTED OTHERWISE.
23. FEEDER ROUTING IS DIAGRAMMATIC ONLY. ACTUAL ROUTING OF FEEDERS (OVERHEAD OR UNDERGROUND) IS THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR.

# Riverside Market

New Orleans, LA

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Structural / M/E/P Engineers:
**Thorson Baker + Associates**
3030 W. Streetsboro
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JEFFERY D. MITERKO
REG. No. 27852

ONE-LINE
DIAGRAM

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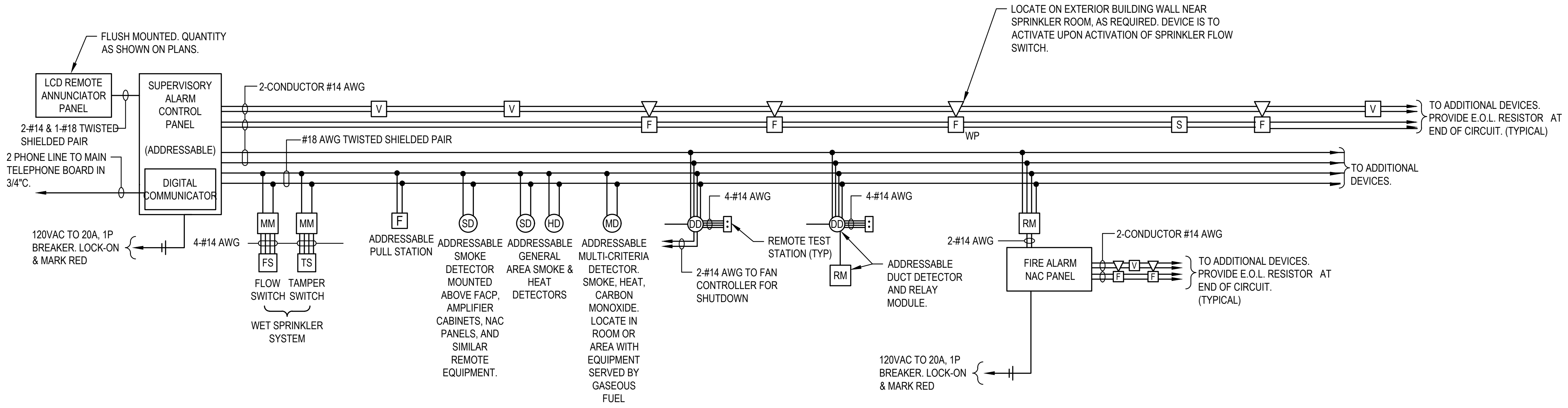
FLUSH MOUNTED. QUANTITY AS SHOWN ON PLANS.
LCD REMOTE ANNUNCIATOR PANEL
2-#14 & 1-#18 TWISTED SHIELDED PAIR
2 PHONE LINE TO MAIN TELEPHONE BOARD IN 3/4"C.
SUPERVISORY ALARM CONTROL PANEL (ADDRESSABLE)
DIGITAL COMMUNICATOR
120VAC TO 20A, 1P BREAKER. LOCK-ON & MARK RED
2-CONDUCTOR #14 AWG
#18 AWG TWISTED SHIELDED PAIR
V
V
F
F
F
WP
S
F
V
LOCATE ON EXTERIOR BUILDING WALL NEAR SPRINKLER ROOM, AS REQUIRED. DEVICE IS TO ACTIVATE UPON ACTIVATION OF SPRINKLER FLOW SWITCH.
TO ADDITIONAL DEVICES. PROVIDE E.O.L. RESISTOR AT END OF CIRCUIT. (TYPICAL)
TO ADDITIONAL DEVICES.
4-#14 AWG
MM
MM
FS
TS
FLOW SWITCH
TAMPER SWITCH
WET SPRINKLER SYSTEM
F
ADDRESSABLE PULL STATION
SD
ADDRESSABLE SMOKE DETECTOR MOUNTED ABOVE FACP, AMPLIFIER CABINETS, NAC PANELS, AND SIMILAR REMOTE EQUIPMENT.
SD
HD
ADDRESSABLE GENERAL AREA SMOKE & HEAT DETECTORS
MD
ADDRESSABLE MULTI-CRITERIA DETECTOR. SMOKE, HEAT, CARBON MONOXIDE. LOCATE IN ROOM OR AREA WITH EQUIPMENT SERVED BY GASEOUS FUEL
DD
4-#14 AWG
REMOTE TEST STATION (TYP)
2-#14 AWG TO FAN CONTROLLER FOR SHUTDOWN
DD
4-#14 AWG
RM
ADDRESSABLE DUCT DETECTOR AND RELAY MODULE.
RM
2-#14 AWG
FIRE ALARM NAC PANEL
2-CONDUCTOR #14 AWG
F
V
F
TO ADDITIONAL DEVICES. PROVIDE E.O.L. RESISTOR AT END OF CIRCUIT. (TYPICAL)
120VAC TO 20A, 1P BREAKER. LOCK-ON & MARK RED

## TYPICAL SUPERVISORY ALARM DEVICE WIRING DIAGRAM

N.T.S.

INDICATES EXISTING EQUIPMENT/CONDUIT/WIRING, UNLESS INDICATED OTHERWISE

INDICATES EQUIPMENT/CONDUIT/WIRING INSTALLED UNDER THIS CONTRACT

INDICATES FUTURE EQUIPMENT/CONDUIT/WIRING, UNLESS INDICATED OTHERWISE

1. THE BUILDING CONTAINS AN EXISTING SUPERVISORY ALARM SYSTEM. THE EXISTING SYSTEM SHALL BE MODIFIED AND UPGRADED AS REQUIRED TO ACCOMMODATE THE PROPOSED AREAS OF RENOVATIONS. THE INTENT IS TO FURNISH AND INSTALL NEW DEVICES AND EQUIPMENT WITHIN THE PROPOSED AREAS OF RENOVATION, UNLESS DIRECTED OTHERWISE.

2. THE SUPERVISORY ALARM SYSTEM MUST BE INSTALLED IN ACCORDANCE WITH PLANS AND SPECIFICATIONS AND MUST MEET ALL STATE & LOCAL CODE REQUIREMENTS. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL CODE REQUIRED DOCUMENTS INCLUDING, BUT NOT LIMITED TO THE FOLLOWING:
   A. A FLOOR PLAN WHICH INDICATES THE USE OF ALL ROOMS.
   B. LOCATIONS OF ALARM-INITIATING AND NOTIFICATION APPLIANCES.
   C. ALARM CONTROL AND TROUBLE SIGNALING EQUIPMENT.
   D. ANNUNCIATION.
   E. POWER CONNECTION.
   F. BATTERY CALCULATIONS.
   G. CONDUCTOR TYPE AND SIZES.
   H. VOLTAGE DROP CALCULATIONS.
   I. MANUFACTURERS, MODEL NUMBERS AND LISTING INFORMATION FOR EQUIPMENT, DEVICES AND MATERIALS.
   J. DETAILS OF CEILING HEIGHT AND CONSTRUCTION.
   K. THE INTERFACE OF FIRE SAFETY CONTROL FUNCTIONS.

   THESE DOCUMENTS MUST BE PREPARED BY A CERTIFIED FIRE ALARM DESIGNER AND MUST BE SUBMITTED TO THE LOCAL AUTHORITIES FOR REVIEW AND APPROVAL PRIOR TO START OF WORK.

3. A STAMPED SET OF APPROVED FIRE ALARM DRAWINGS SHALL BE AT THE JOB SITE AND SHALL BE USED FOR INSTALLATION.

4. UPDATE AN AS-BUILT DRAWING SET DAILY WITH JOB PROGRESS. PROVIDE AN AS-BUILT DRAWING SET TO OWNER NO LATER THAN 7 DAYS AFTER FINAL TEST

5. EQUIPMENT: ALL DEVICES, COMBINATIONS OF DEVICES, APPLIANCES AND EQUIPMENT SHALL BE LISTED FOR THE PURPOSE FOR WHICH THEY ARE USED AND SHALL BE INSTALLED IN COMPLIANCE WITH APPLICABLE CODES, STANDARDS AND MANUFACTURER'S INSTRUCTIONS.

6. SYSTEM DEVICES, BACK-BOXES, AND ENCLOSURES MUST BE RATED FOR THE ENVIRONMENT WHICH IT IS INSTALLED. FURNISH AND INSTALL CONDUIT SEALS WHERE RACEWAYS PASS BETWEEN CONDITIONED AND UNCONDITIONED SPACES.

7. NOTIFICATION DEVICE COVERS SHALL BE WHITE WITH RED LETTERING, UNLESS OTHERWISE REQUIRED.

8. ALL WIRING SHALL BE IN CONDUIT, UNLESS DIRECTED OTHERWISE. DO NOT RUN ANY OTHER WIRING IN THE SAME CONDUIT WITH ALARM WIRING. DO NOT RUN 120VAC WIRING WITH ALARM WIRING. ALL WIRE TO BE SHIELDED CABLE. ALL J-BOXES ASSOCIATED WITH THE SUPERVISORY ALARM SYSTEM SHALL BE SPRAY PAINTED "FIRE ENGINE" RED.

9. OPEN WIRING METHODS ARE ACCEPTABLE FOR THE ALARM SYSTEM WIRING WHERE PERMITTED BY CODE, AHJ, OWNER, AND PROJECT. OPEN WIRING METHODS MAY BE USED WHERE WIRING IS ACCESSIBLE, NOT SUBJECT TO PHYSICAL DAMAGE OR VISIBLE TO SIGHT. THE CONDUCTOR INSULATION FOR OPEN WIRING SHALL BE RATED PER APPLICATION & ENVIRONMENT BEING INSTALLED. PROVIDE BACK-BOXES AND CONDUIT STUB-UPS TO NEAR UNDERSIDE OF STRUCTURE, ABOVE ACCESSIBLE CEILINGS, FOR ALL WALL MOUNTED DEVICES. ALARM WIRING SHALL BE INSTALLED IN CONDUIT WHERE ROUTED UNDERGROUND, THROUGH FLOOR SLABS, AND FROM FINISHED FLOOR TO A HEIGHT OF 10'-0" ABOVE FINISHED FLOOR.

10. THE ALARM SYSTEM WIRING SHALL BE INSTALLED IN CONDUIT WHERE OPEN WIRING IS NOT ACCESSIBLE, OR IS SUBJECT TO PHYSICAL DAMAGE, OR IS VISIBLE TO SIGHT. IF LOCATED IN FINISHED AREAS, CONDUIT SHALL BE PAINTED TO MATCH FINISHED AREA. DO NOT RUN ANY OTHER WIRING IN THE SAME CONDUIT WITH ALARM WIRING. DO NOT RUN 120VAC WIRING WITH ALARM WIRING. ALL WIRE TO BE SHIELDED CABLE. ALL J-BOXES ASSOCIATED WITH THE ALARM SYSTEM SHALL BE SPRAY PAINTED "FIRE ENGINE" RED.

11. ALL WIRE & CABLE MUST BE RATED PER THE LATEST REVISION OF THE NATIONAL ELECTRIC CODE SECTION 760.

12. CONFIRM ALL WIRING REQUIREMENTS WITH THE MANUFACTURER OF THE PROPOSEDSUPERVISORY ALARM EQUIPMENT BEING FURNISHED PRIOR TO BID AND PROVIDE IN ACCORDANCE THEREWITH. WIRING SHOWN ON THIS DIAGRAM REPRESENTS THE MINIMUM SIZE REQUIRED. WIRE SIZES SHALL BE INCREASED AS REQUIRED FOR VOLTAGE DROP.

13. ALARM CIRCUITS SHALL BE IDENTIFIED IN ACCORDANCE WITH APPROPRIATE SECTION OF NEC 760. MARK ALL FIRE ALARM WIRES IN ACCORDANCE WITH NEC 760 SECTIONS FOR POWER LIMITED AND NON-POWER LIMITED WIRE.

14. WIRING SHALL BE CONTINUOUS FROM ONE DEVICE TO THE NEXT. SPLICING IS PROHIBITED.

15. THE TYPICAL WIRING DIAGRAM IS NOT INTENDED TO SHOW QUANTITIES OF DEVICES. REFER TO PLANS FOR QUANTITIES.

16. WHERE PROPOSED ROUTING OF SYSTEM CONDUIT AND WIRING IS INDICATED ON PLANS, DETAILS AND DIAGRAMS, SAID ROUTING IS DIAGRAMMATIC. EXACT ROUTING OF CONDUITS AND WIRING TO BE DETERMINED IN THE FIELD BY THE INSTALLING CONTRACTOR TO SUIT CONDITIONS. INSTALLATION SHALL COMPLY WITH CODE AND PROJECT REQUIREMENTS. ALL MODIFICATIONS SHALL BE CLEARLY INDICATED ON THE RECORD DRAWINGS.

17. ALL CONDUCTORS INCLUDING SHIELDS MUST TEST FREE OF OPENS, SHORTS & GROUNDS BEFORE MAKING CONNECTIONS TO THE ALARM CONTROL PANEL.

18. EACH ALARM PANEL AND ANCILLARY EQUIPMENT REQUIRES A DEDICATED 120VAC CIRCUIT. RUN 3-#12 (INCLUDES THE GREEN GROUND WIRE) FROM A 20 AMP CIRCUIT BREAKER. PROVIDE A LOCK-ON CLIP & RED MARKING ON THE BREAKER AND IDENTIFY AS "FIRE ALARM CIRCUIT CONTROL." THE LOCATION OF THE CIRCUIT DISCONNECTING MEANS (CIRCUIT BREAKER) SHALL BE PERMANENTLY IDENTIFIED AT THE FIRE ALARM CONTROL PANEL AND ANCILLARY EQUIPMENT.

19. DO NOT APPLY POWER TO SYSTEM EXCEPT IN THE PRESENCE OF A FACTORY TRAINED TECHNICAL REPRESENTATIVE.

20. INSTALLATION OF SYSTEM DEVICES SHALL BE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. POWER LIMITED AND NON-POWER LIMITED FIELD WIRING MUST BE INSTALLED WITHIN EQUIPMENT ENCLOSURES IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS AND NEC

21. STROBES SHALL BE WIRED SEPARATELY FOR SYNCHRONOUS OPERATION. PROVIDE SYNCHRONIZATION MODULES AS REQUIRED TO COMPLY WITH CODE.

22. SMOKE DETECTOR HEADS MUST BE INSTALLED FREE OF DUST OR ANY OTHER CONTAMINATION.SMOKE DETECTORS SHALL NOT BE MOUNTED WITHIN 3'-0" OF A SUPPLY OR RETURN AIR GRILLE. COORDINATE SMOKE DETECTOR LOCATIONS WITH MECHANICAL CONTRACTOR PRIOR TO INSTALLATION.

23. IN ALL ROOMS REQUIRING SMOKE DETECTION, IF THERE IS NOT A SMOOTH, FLAT CEILING, THEN DETECTION SHALL BE SPACED PER NFPA 72. IF THERE ARE BEAM DEPTHS LESS THAN 10% OF THE CEILING HEIGHT (0.1 X H), SMOOTH CEILING SPACES SHALL BE PERMITTED. IF THERE ARE BEAM DEPTHS EQUAL OR GREATER THAN 10% OF THE CEILING HEIGHT (0.1 X H), AND THE BEAM SPACING IS EQUAL TO OR GREATER THAN 40% OF THE CEILING HEIGHT (0.4 X H), SPOT SMOKE DETECTORS SHALL BE LOCATED ON THE CEILING IN EACH BEAM POCKET PER NFPA 72 2007, 5.7.3.2.4.

24. DUCT DETECTORS SHALL HAVE REMOTE TEST STATIONS INSTALLED IN AN ACCESSIBLE LOCATION AND BE CLEARLY LABELED TO INDICATE THEIR FUNCTION AND THE MECHANICAL UNIT ASSOCIATED WITH EACH DETECTOR. DUCT DETECTOR TEST STATIONS SHALL BE LOCATED AS CLOSE TO THE APPLIANCES AS POSSIBLE FOR EASE IN LOCATING AND UNLESS ASSOCIATED WITH ROOF TOP MECHANICAL UNITS
   A. IF THERE IS A DROP CEILING, THE REMOTE TEST STATIONS SHALL BE MOUNTED IN CEILING TILES BELOW THE DUCT DETECTORS.
   B. IF THERE IS A HARD CEILING, THE REMOTE TEST STATIONS SHALL BE LOCATED IN THE CEILING NEXT TO A MINIMUM OF A 2'x4' OR 3'x3' ACCESS PANEL LOCATED BELOW THE DUCT DETECTOR.
   C. IF THERE IS NO CEILING, THE REMOTE TEST STATIONS SHALL BE MOUNTED ON A PILLAR OR WALL AS CLOSE TO THE DEVICE AS POSSIBLE.

25. THE LOCATION OF ALL DETECTORS IN AIR DUCT SYSTEMS SHALL BE PERMANENTLY AND CLEARLY IDENTIFIED AND RECORDED.

26. ALL DETECTORS NOT ACCESSIBLE STANDING AT FINISHED FLOOR SHALL BE PROVIDED WITH A REMOTE TEST SWITCH WITH INDICATOR LIGHT. LOCATIONS OF ALL SUPERVISORY ALARM REMOTE TEST STATIONS SHALL BE LABELED PER LOCAL LOCAL AUTHORITY REQUIREMENTS. TEST STATION LOCATIONS SHALL BE FIELD VERIFIED WITH LOCAL AUTHORITY PRIOR TO ROUGH-IN.

27. DUCT DETECTORS SHALL BE INSTALLED AND POSITIONED TO ALLOW EASY ACCESS FOR PERIODIC INSPECTION AND TESTING.

28. FURNISH AND INSTALL A KNOX BOX AS REQUIRED BY LOCAL FIRE DEPARTMENT. EXACT QUANTITIES AND LOCATIONS AS DETERMINED BY LOCAL AUTHORITY. KNOX BOX MANUFACTURER SHALL BE AS REQUIRED BY LOCAL AUTHORITY. PROVIDE AN ADDRESSABLE MONITOR MODULE WHEN REQUIRED.

29. THE SUPERVISORY ALARM SUPPLIER SHALL PROVIDE A COPY OF THE PROGRAMMING CODES AND OPERATION MANUALS IN A SLEEVED BINDER ATTACHED TO THE ALARM CONTROL PANEL.

30. PROVIDE CONNECTION TO REMOTE SUPERVISION AS DIRECTED FOR SUPERVISION OF SYSTEM IN COMPLIANCE WITH LOCAL AUTHORITY & OWNER. PROVIDE ALL INTERFACE REQUIRED TO INITIATE REMOTE SUPERVISION.

31. PROVIDE & INSTALL A CEILING MOUNTED SMOKE DETECTOR IN FRONT OF THE SUPERVISORY ALARM CONTROL PANEL AND EACH REMOTE AUXILIARY PANEL IN ADDITION TO THE DEVICES SHOWN ON THE FLOOR PLANS.

32. PROVIDE & INSTALL MANUAL STATIONS WHERE REQUIRED BY LOCAL AUTHORITIES TO MEET THE REQUIREMENTS OF NFPA-72 SECTION 3-8.1.2 IN ADDITION TO THE DEVICES SHOWN ON THE PLANS. VERIFY WITH LOCAL AUTHORITY PRIOR TO BIDDING & INDICATE COST IN BID PRICE.

33. INCLUDE ON-SITE SERVICES OF A CERTIFIED TECHNICIAN TO PROVIDE TECHNICAL INSTALLATION SUPPORT FOR PANEL START UP, PROGRAM EDITING, TROUBLESHOOTING OF THE SUPERVISORY ALARM SYSTEM CONTROL PANEL, AND ASSISTANCE TO THE INSTALLER FOR ONE COMPLETE FINAL SYSTEM CHECKOUT.

34. THE COMPLETED FIRE ALARM SYSTEM SHALL BE FULLY TESTED IN ACCORDANCE WITH NFPA-72, AND LOCAL AND STATE CODE REQUIREMENTS, BY THE INSTALLER, IN THE PRESENCE OF THE G.C., OWNER'S REPRESENTATIVE AND AUTHORITY HAVING JURISDICTION. UPON COMPLETION OF A SUCCESSFUL TEST, THE INSTALLER SHALL SO CERTIFY, IN WRITING, TO THE OWNER AND GENERAL CONTRACTOR.

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JEFFERY D. MITERKO
REG. No. 27852
9/8/26

# FIRE ALARM RISER

2525A E-203

# ELECTRICAL SPECIFICATIONS

## Section 260010 - General Provisions

A. General

1. Requirements specified in Division 1, instructions to bidders, supplemental general conditions, special conditions, addenda, alternates, contract and proposal, along with Division 26, 27, 28 and all its sections, comprise the contract documents for the electrical contract, along with these specifications as though they were one. Anything implied by the specifications shall be interpreted as also implied by the drawings and vice versa. Provide necessary items for a complete installation of all electrically operated equipment listed in the specifications or shown on the contract drawings.
2. The architectural, structural, mechanical, plumbing, equipment drawings and specifications are incorporated into, and become a part of this division. This contractor shall examine all such drawings and specifications and become thoroughly familiar with the provisions contained therein. The submission of his bid shall indicate such knowledge.
3. Electrical drawings are diagrammatic. They are intended to show the approximate locations of equipment and conduit. Dimensions given on the plans, in figures, shall take precedence over scaled dimensions and shall be verified in the field. The electrical contractor shall layout all equipment rooms to make sure the equipment, as purchased, fits in the room or space shown. Exact location of all equipment shall be verified in the field and routing of conduits shall suit field conditions.
4. Until the time of installation, the architect reserves the right to make minor changes in the location of conduit and equipment without additional cost to the contract.
5. The electrical drawings and specifications are intended to supplement each other. Material and labor necessary to the project shall be furnished and installed even though not specifically mentioned in both. Labor and/or materials neither shown nor specified, but obviously necessary for the completion and proper functioning of the system, shall be furnished and installed by the electrical contractor.
6. Arrange all equipment substantially as shown on the drawings. Make deviations only where necessary to avoid interference. Check all equipment sizes against available space prior to shipment to avoid interference.
7. Examine the work of other trades insofar as their work comes in contact with or is covered by this work in no case attach to, or finish against any defective work or install work in a manner which will prevent proper installation of the work of other trades.
8. Electrical contractor shall verify with other trades all electrical characteristics of equipment requiring electrical connections, contractor shall verify voltage, phase, and horsepower and shall notify engineer of any discrepancies prior to start of work. Electrical contractor shall provide disconnecting means and overload protection for all equipment, unless furnished integral with equipment package.
9. It is the intent of these drawings that this be a complete electrical job, any errors or omissions shall be brought to the attention of the engineer prior to bidding the job.
10. In the case of conflict between drawings, notes, and specifications, or among drawings, the strictest provision or larger quantity shall govern.
11. The existing conditions of these documents are based upon existing drawings prepared by _____________ dated __________ and may not reflect current installations or as-built conditions. Prior to initiating material procurement and construction, it is the contractor's responsibility to verify existing conditions are consistent with the contract documents. This may require removal of existing finishes and possible selective demolition to verify as-built conditions.
12. Do NOT scale drawings.
13. The contractor shall make provisions for the delivery and safe storage of his/her materials and equipment in coordination with work of other trades. Materials and equipment shall be delivered at such stages of the work as will expedite the work as a whole and shall be marked and stored in such a way as to be easily checked and inspected. The arrival and inspection of large equipment items shall be scheduled early enough to permit entry and setting when there is no restriction or problem due to size and weight. Protection of all finishes during delivery is the responsibility of the contractor.

B. Visit to the Site

1. This contractor shall visit the site of the work and familiarize himself with all conditions affecting his work. The submission of his proposal shall indicate such knowledge. No additional payment shall be made on claims that arise from a lack of knowledge of the existing conditions

C. Code and Permits

1. Installation shall be in full accordance with all codes, rules, and regulations of municipal, city, county, state, public utilities, and all other authorities having jurisdiction over the premises.
2. Comply with any specification requirements that are in excess but not in conflict with code requirements.
3. The contractor shall secure and pay for all permits, plan reviews, and certificates of inspection in connection with his work, required by the foregoing authorities. Before final payment of the contract is allowed, all certificates shall be delivered to the architect in duplicate.
4. Electrical material and equipment shall bear the UL label except where UL does not label such types of material and equipment.

D. Shop Drawings Submittals

1. The electrical contractor shall submit product data and shop drawing. Each submittal shall be identified using the respective specification numbering system and titles. Each submittal shall clearly identify which products and options are applicable. The submittals shall be submitted through the architect to the engineer and then, if necessary, resubmitted for final approval. Submittals shall be submitted for the following items:
   a. Wiring devices
   b. Switchboards, Panelboards, transformers, and safety switches including fault current study based on equipment being supplied.
   c. Lighting control system and devices.
   d. Lighting fixtures
   e. Fire / Supervisory alarm system
2. Electronic Submittals: Prepare submittals as PDF package, incorporating complete information into each PDF file. Name PDF file with submittal number.
3. Each submittal shall be provided with a cover identifying the following;
   a. Name of job.
   b. Location of the job, address, city, and state.
   c. Name and address of the company issuing the submittal.
   d. Date of the submittal.
4. All submitted product data and shop drawings (manufacturers' equipment descriptive sheets or vendors' prepared drawings) shall have the general contractor's or subcontractor's “stamp of approval” indicating that the item submitted is as called for on the plans and specifications, is approved by the general contractor or subcontractor, the date of approval and initialed by the person approving the submittal and the name of the company submitting said equipment for approval.
5. Any submittal not as specified shall be returned without review for corrections and re-submittal.
6. Every effort shall be made, in checking the shop drawings, to detect and correct all errors, omissions, and inaccuracies. Failure to do this will not relieve the electrical contractor of the responsibility for the proper and complete installation in accordance with the contract documents.

E. As-Built Drawings

1. Submit three paper-copy set(s) of marked-up record prints to the architect. Contractor shall use red ink for all contractor mark-ups on record prints.
2. Submit PDF electronic files of scanned record prints. Scanned record prints shall be in color.
3. Print and scan each drawing, whether or not changes and additional information were recorded.

F. Standards and Substitutions

1. Wherever the words "approved by", "approved equal", "as directed" or similar phrases are used in the following specifications, they shall be understood to refer to the owner as the approving agency. The name or make of any equipment or materials named in this specifications (whether or not the words "or approved equal" are used) shall be known as the "standard".
2. These specifications establish quality standard of materials and equipment to be provided. Specific items are identified by manufacturer, trade name, or catalog designation. This contractor shall submit his base bid price based upon standard specified equipment described herein and as detailed on drawings and associated contract documents. These specifications are not to be considered proprietary. The contractor may submit information on materials and manufacturers (other than those listed) for review by the architect and engineer no later than ten (10) days before bids are submitted. Manufacturers of products accepted by the architect and engineer will be listed in an addendum to the specifications as an acceptable substitution equipment accepted as detailed below and shall be shown as a separate add or deduct price to be factored into the base bid price by the architect and owner if accepted.
3. Should the contractor propose to furnish materials and equipment other than those specified or approved by addendum, submit a written request for substitutions to the architect at the bid opening. The request shall be an alternate to the original bid; be accompanied with complete descriptive (manufacturer, brand name, catalog number, etc.) and technical data for all items. Failure by this contractor to submit the requisite documentation detailed above shall be understood by the architect and engineer to indicate that substitute equipment will not be presented by the contractor for consideration. Such substitutions will not be considered after the bid opening date and delay of project will not be permitted for further inspection and evaluation after this date.
4. Where such substitutions alter the design or space requirements indicated on the drawings, include all items of cost for the revised design and construction including cost of all allied trades involved.
5. Acceptance or rejection of the proposed substitutions shall be subject to approval of the architect and engineer. If requested, the contractor shall submit (at his cost) inspection samples of both the specified and proposed substitute items.
6. In all cases where substitutions are permitted, the contractor shall bear any extra cost of evaluating the quality of the material and equipment to be provided.

G. Testing and Placing in Service

1. Any material or equipment failing a test shall be repaired or replace at the contractor's expense.
2. Tests shall include the following:
   a. Measure the load on each phase of the main service and each phase of every feeder under full load conditions.
   b. Measure the no-load and full-load voltages (phase to phase, phase to neutral and phase to ground for each phase of each service, of each separately derived system, and at each panelboard or transformer).
   c. Measure the ground resistance of the main service grounding electrode and the ground resistance of each separately derived system's grounding electrode.
   d. Make insulation resistance tests on all dry type transformers and motors.
3. Provide performance testing as required per N.E.C. or local authority having jurisdiction.

H. Interferences

1. Before the installation of any item begins, the electrical contractor shall carefully ascertain that it does not interfere with clearances for the erection of finish beams, columns, pilasters, walls, or other structural or architectural members as shown on the architectural drawings. If any work is installed and the architectural design cannot be followed, this contractor shall, at his own expense, make changes in his work as directed by the architect to permit the completion of the architectural work in accordance with drawings and specifications.
2. It shall be the duty of this contractor to report any interferences between his work and that of any of the other contractors as soon as they are discovered. The architect shall determine which equipment will be relocated, regardless of which was installed first. His decision will be final.

I. Quality Assurance

1. All products shall be new and of the type and quality specified. Where materials, equipment, apparatus, or other products are specified by manufacturer, brand name, type of catalog number, such designation shall establish the standards of the desired quality and style. It is the intent of these specifications to establish a standard of quality of materials and equipment installed.

J. Special Inspections

1. Special inspection (as applicable) is to be provided in addition to inspections conducted by the department of building safety and shall not be construed to relieve the owner of his/her authorized agent from requesting periodic and called inspections required by the building code. Special Inspection shall be paid by the owner.
2. Special Inspection shall meet the qualifications as stated in the applicable building code and shall perform the duties and responsibilities as outlined in the applicable building code.
3. The electrical contractor shall provide access to areas requiring testing or inspections, and provide requested documentation (if required by the Special Inspector).

## Section 260050 - Basic Electrical Materials and Methods

A. Nameplates

1. General: Furnish and mount on each panelboard, switchboard (including branch devices), large junction box, safety switch, starter, remote control, push button station, and all similar controls, a nameplate descriptive of the equipment or equipment controlled
2. Provide black and white nameplates constructed from laminated phenolic with a white center core. Letters shall be engraved in the phenolic to form white letters 3/8" high. Fasten the nameplates with an adhesive type fastener.

## Section 260050 (cont.)

B. Mounting Accessories

1. This contractor shall furnish and install all angle iron, channel iron, rods, supports, hangers, concrete, or plywood required to install, mount, and support any electrical equipment or device called for on the plans.
2. Supporting material shall be complete with hangers, connectors, bolts, clamps, and necessary accessories to make a complete installation. Supporting material shall be galvanized, painted or otherwise suitably finished. Products by Binkley, Steel City, or Raco will be acceptable.
3. All surface-mounted equipment on block walls shall be mounted on 3/4" plywood backboard. All floor-mounted equipment shall be installed on a 4" high concrete housekeeping pad.

C. Execution

1. The electrical work for construction proposed shall conform to all federal (OSHA), state, all specific safety requirements, and the requirements of the current edition of the NEC.
2. Review the HVAC and plumbing specifications for electrical requirements and include the same in the contract cost.
3. Equipment connections, starters, disconnect switches, control transformers, and pushbutton stations for the equipment furnished by the owner or under a separate contract shall be installed and connected under this division, as indicated on the contract drawings.
4. All cutting, patching, excavating, backfilling, and concrete work related to this contract will be the responsibility of the electrical contractor. This contractor shall assume the responsibility of and for their repair in an acceptable manner, as determined by the architect. All holes shall be core-drilled. Provide fire stopping materials, UL Listed for application, in all openings created through fire-rated walls, floors, or ceilings. Contractor shall field verify slab on grade floor construction type prior to cutting. Under no circumstances shall cut a structural floor slab thicker than 4” without prior written approval from Engineer of Record. Notify Engineer of Record of any slab thickness greater than 4” prior to proceeding with any saw cutting.
5. This contractor shall be responsible for providing all required access panels necessary for his work, coordinate with architect prior to installation.

D. Materials and Workmanship

1. All work shall be installed in a practical and workmanlike manner, by mechanics skilled in the several trades necessary.
2. All materials shall be new and free from defects and shall be the best of their several kinds unless specified or indicated on the drawings to the contrary.
3. During each phase and at the completion of the construction, this contractor shall remove all debris and excess materials caused by his work. He shall leave the area of operation broom clean.
4. All electrical equipment shall bear the underwriters laboratories label or ETL label.
5. This contractor shall guarantee his workmanship and material (lamps excepted) for a period of one year from the date of building opening and leave his work in perfect order at the completion. Should defects develop within the guarantee period, the contractor shall, upon notice of the same, remedy the defects and have all damages to other work or furnishings caused by the repairs corrected at his expense to the condition before such damage.

E. Scope of Work

1. The electrical contractor shall provide all labor, material, storage, unpacking, and placement; to include but not be limited to, the following items:
   a. Demolition
   b. Emergency lighting and power.
   c. Complete electrical distribution system including, but not limited to, switchboards, distribution and appliance panelboards, transformers, safety switches, and feeders.
   d. Complete branch circuit wiring system.
   e. Complete power wiring for all air conditioning equipment, plumbing equipment, heating equipment, ventilating, and exhaust equipment.
   f. Complete lighting fixture installation, including all lamps.
   g. Complete communications conduit system including but not limited to, back boxes, plates, j-hooks, cable trays, etc., as specified on the drawings and as required by the local service provider and/or owner.
   h. Temporary electrical power and lighting as required for construction.
   i. Testing of all cables and circuit wiring after installation.
   j. Exit light system.
   k. Wiring devices, floor boxes, and multi-outlet assemblies.
   l. Lighting control system and devices.
   m. Grounding and Bonding of the electrical system.
   n. Outdoor lighting and controls.
   o. Fire / Supervisory alarm system.
   p. Communication service
   q. Electric service.

F. Temporary Service

1. The electrical contractor shall furnish, install, and remove as required all temporary power and temporary lighting in all areas and individual rooms when needed by the individual trades in the performance of their work. This contractor shall provide a minimum of twenty (20) foot candles of illumination for temporary lighting. Any additional lighting required by individual trades shall be provided by the individual trades including power for the lighting. The electrical work for construction purposes shall conform to all federal (OSHA) and state specific safety requirements, as well as the requirements of the national electric code and national electrical safety code. The electrical contractor shall obtain and pay for all required applications, permits, and inspections pertaining to this work. This cost shall be included in the contractor's price.
2. New light fixtures shall not be used for temporary lighting.

G. Electric Service

1. Provide trenching and backfill to the power company specifications.
2. Provide conduit for primary service where required by the power company.
3. Concrete encase conduits where required by the power company and where indicated on the plans.
4. Provide metering to power company specifications.
5. Make provisions for the pad-mount transformer as required by the power company including the transformer pad and grounding.
6. Pay the cost of all power company charges connected with permanent electric service to the building.
7. Coordinate all work with the power company and perform any work necessary to assure a complete, working installation. The entire service installation shall be in complete conformance with the power company's requirements.
8. Verify the exact routing of the primary and secondary services, as well as all service requirements, with the power company prior to bidding.

## Section 260519 - Wiring and Cable

A. Color code conductors (except control and instrumentation conductors) as follows:

| | 208/120 System | 480/277 System |
|---|---|---|
| Phase A | Black | Brown |
| Phase B | Red | Orange |
| Phase C | Blue | Yellow |
| Neutral | White | Grey |
| Ground | Green | Green |

1. #12 and #10 conductors shall have continuous insulation color, as listed above.
2. Color code conductors larger than above, which do not have continuous insulation color by application of at least two laps of colored tape on each conductor at all points of access including junction boxes. Color tape shall be the equal of 3M products Scotch #35.
3. Conductors shall be soft annealed copper insulated for 600 volts unless specifically indicated otherwise. Aluminum conductors are not allowed on this project.

B. Insulation type shall be type THWN for wire sizes #8 AWG and larger and THHN or THWN for #10 AWG and smaller. THHN shall not be used in wet or damp locations.

C. Flexible cord shall be heavy duty type so with an equipment ground conductor in addition to the current carrying conductors.

D. Provide #12 conductors, unless otherwise indicated.

1. Control conductors shall be #14 minimum foe NEC class I #16 for NEC class II.

E. Conductors #8 AWG and larger shall be stranded.

F. Conductors #10 AWG and smaller shall be solid.

G. Install wiring in conduit.

H. Connect #10 and smaller wires with constant pressure expandable spring type connectors, "Scotchlok" by 3M or B-Cap by Buchanan.

I. Connect #8 and larger wires with compression connectors or splices as manufactured by Burndy or T&B.

J. Insulate splicing connectors to at least 200% of the wire insulation. Use pre-stretched tubing connector insulators, 3M PST for #2 and larger conductors.

K. Pull conductors using recognized methods and equipment leaving at least 6" wire at all junction boxes for connections.

1. Clean out each conduit system before pulling wire.

L. Form and tie all wiring in panelboards.

M. There shall be no wirenut joints or splices made inside switchboards/panelboards.

N. Branch circuit wire sizes (and conduits) shall be increased from those indicated on the plans to prevent excessive voltage drop. Branch circuits shall be installed with wires of sufficient size so that voltage drop between the panel and the loads does not exceed limit of 3%.

O. Regardless of the temperature rating of the conductor insulation, all conductor ampacity rating for this project shall be determined from the 75°C conductor temperature ratings indicated in the NEC tables. Where equipment or devices are provided with terminals/lugs rated for 60°C, the ampacity rating of the 75°C conductor shall be limited to its associated 60°C rating as indicated in the NEC tables. The electrical contractor shall be responsible to increase the conductors and conduit size as required.

P. Circuits may be multi-plexed in conduit provided wire is properly derated and conduit sized per code. Under no circumstances shall more than six (6) current carrying conductors be run in a single conduit.

## Section 260526 - Grounding and Bonding

A. Ground all equipment per N.E.C.

B. Ground each outside lighting pole separately with one ground rod and a #6 ground wire.

C. Ground all dry type transformers as per drawings and NEC #450-10.

D. All conduits shall contain a code-sized ground wire size per N.E.C. in addition to the conductors shown on the plans. Where circuit conductors are increased in size for any reason (i.e. voltage drop, derating, etc.), the ground wire size shall be increased proportionately (according to circular mil area).

E. Where an isolated, insulated ground is required a separate isolated green ground shall be run from the panel isolated ground bus to the isolated ground connection of the device served. In no case shall the system ground (green wire and associated outlet boxes, conduit, and building steel) be allowed to contact the isolate ground (green wire with white stripe).

## Section 260533 - Raceways and Boxes

A. Raceways

1. All wire shall be run in accordance with code in corrosion resistant, rigid, threaded, metal conduit, or electrical metallic tubing (E.M.T.) unless otherwise specifically stated herein.
   a. Conduit in exterior walls, below floor slab, or underground shall be rigid, threaded, galvanized, heavy wall type.
   b. Carlon PVC type 40 heavy wall conduit with ground wire may be used below floor slab or underground in lieu of rigid, threaded, galvanized conduit. PVC 40 conduit shall not be run in or above floor slab. PVC conduit shall terminate below floor slab with rigid, threaded metal conduit adapter. Conduit above slab shall be metal.
   c. Conduit run exposed to the weather shall be heavy wall, metal threaded type.
2. Conduit size shall be 3/4" minimum.
3. Conduit shall be securely fastened in place.
4. All conduit shall be concealed in walls, floor, and ceilings wherever possible. Exposed conduit in finished areas will not be permitted. Exposed conduit will be permitted in the unfinished areas with the specific approval of the architect.
5. Use flexible conduit for the connection to recessed or semi-recessed lighting fixtures (6' length maximum). Use liquid tight metal conduit for all connections to motors and other equipment subject to vibration and in areas subject to moisture.
6. Use watertight joints with buried and concrete encased conduit. All buried conduits outside of buildings shall have a minimum of 24" of cover. Metal conduits buried in earth shall be painted (two coats) with heavy asphaltum paint.
7. Support runs of conduit as detailed in the appropriate table of the national electrical code (NEC).
8. Installed exposed runs of conduit and conduit above lay-in ceilings parallel or perpendicular to the walls, structural members of intersections of vertical planes and ceilings. Provide right angle turns using fittings or symmetrical bends. Support conduits within 1" of all changes in direction.
9. If a conduit is suspended, it shall be supported on trapeze hangers which use "all-thread" rods from the structural steel. The use of ceiling support wire or similar material will not be accepted.
10. Install empty conduit for future use as indicated on the drawings. Conduit shall be complete with jetline or pull rope, junction/outlet boxes, tile rings, and appropriate cover plates.
11. Provide pitchpockets where conduits penetrate the roof.
12. Thread lubrication/sealant is required on outdoor and underground threaded metal joints.
13. Install fire seal fittings where conduits penetrate concrete floor slabs or masonry walls required to be fire rated.
14. Horizontal portion of conduit exposed on the roof and feeding equipment shall not be more than 5'-0" unless the written approval from architect or engineer is obtained.

B. Pull and Junction Boxes

1. Install pull and junction boxes where shown on the drawings, and where required for changes in direction, at junction points, and to facilitate wire pulling. Furnish box sizes in accordance with NEC unless larger boxes are indicated.
2. Provide steel boxes and removable covers of code gauge, hot rolled sheet steel, hot dipped galvanized inside and outside, for above ground work. Furnish weatherproof boxes when installed above ground outside.
3. Provide cast iron boxes, hot dipped galvanized inside and outside where shown on the drawings. Furnish removable covers with gaskets and stainless steel, brass or bronze screws.
4. Provide concrete boxes for underground work unless otherwise indicated on the drawings. Furnish steel frames and covers with the cover attached to the frame with hexagon head, brass or bronze cap screws, 3/8" in diameter. Provide a rubber gasket for sealing between the cover and the frame. Paint the cover with two coats of heavy asphaltum.

C. Outlet Boxes

1. Use sheet steel boxes, zinc coated or cadmium plated, for concealed interior work.
2. Use cast boxes, zinc-cadmium finish malleable iron, for exposed interior work, and for exposed or concealed work in wet, damp, or exterior locations. Cast boxes shall be series FD by Crouse Hinds or Appleton.
3. Wall box sizes (minimum) shall be 4" square X 2-1/2" deep where wall construction permits. Where wall construction dictates, the depth may be reduced to 2-1/8" or 1-1/2" under special conditions.
4. Fixture outlets in ceilings (minimum) shall be 4" octagonal X 1-1/2" deep (4-11/16" octagonal X 2-1/2" deep where required to accommodate larger conduit or larger number of wires).
5. Ganged boxes shall be one piece (minimum), 2-1/8" deep.
6. Provide cast iron, concrete-tile floor boxes with adjustable covers set flush and level with the finished floor, with outlets as indicated on the drawings. Provide Hubbell #B-2400, 4200, or 4300 series boxes with leveling screws. Flush type covers and openings to serve outlets used. Furnish flush caps for closing off box when not in use.
7. Flush mount boxes in all finished walls, install the plaster rings in drywalled plastered walls and raised covers as required in walls with other finishes so that the cover plates fit tightly against boxes or rings. 3/16" maximum gaps are allowed for noncombustible walls.
8. Adjust location of outlets in masonry or tile construction to occur in the nearest joint to the height specified. Heights shall meet A.D.A. requirements.
9. Support all boxes to maintain proper alignment and rigidity.
10. Clean boxes of all foreign matter prior to the installation or wiring of devices.
11. Mounting heights on the drawings are to the top of the box unless otherwise noted.

## Section 260536 - Cable Trays

A. Source limitations: Obtain cable tray components through one source from a single manufacturer.

B. Electrical components, device, and accessories: Listed and labeled as defined in NFPA 70, Article 100, by a testing agency acceptable to authorities having jurisdiction and marked for intended use.

C. Comply with NFPA 70.

D. Coordinate layout and installation of cable trays and suspension system with existing and new construction including, but not limited to light fixtures, HVAC equipment, fire-suppression system, and partition assemblies.

E. Manufacturers: Subject to compliance with requirements, provide products by one of the following: B-Line Systems, Inc., Chalfant, or Wiremold.

F. Cable Tray Description:

1. Type: Louvered trough
2. Materials and Finish: Aluminum.
3. Width: 18" - three compartment with factory installed dividers.
4. Minimum fitting radius: 12".
5. Inside depth: 3".
6. Cover type: None.

G. Cable trays, fittings, and accessories shall be aluminum complying with aluminum association's alloy 6063-T6 for rails, rungs, and cable trays, and alloy 5052-H32 or alloy 6061-T6 for fabricated parts.

H. Fabricate cable tray products with rounded edges and smooth surfaces.

I. Provide tees, crosses, risers, elbows, and other fittings as required, of same materials and finishes as cable tray.

J. Barrier strips shall be of the same materials and finishes as the cable tray.

K. Provide cable tray supports and connectors, including bonding jumpers, as recommended by cable tray manufacturer.

L. Remove burrs and sharp edges from cable trays.

M. Fasten cable tray supports securely to building structure. Locate and install supports according to NEMA VE 1.

N. Install expansion connectors where cable tray crosses building expansion joints and in cable tray runs that exceed 90 feet (27 M). Space connectors and set gaps according to NEMA VE 1.

O. Make changes in direction and elevation using standard fittings.

P. Make cable tray connections using standard fittings.

Q. Locate cable tray above piping unless accessibility to cable tray is required or unless otherwise indicated.

R. Seal penetrations through fire and smoke barriers.

S. Install capped sleeves for future cables through firestop-sealed cable tray penetrations of fire and smoke barriers.

T. Install cable trays with sufficient space to permit access for installing cables.

U. Ground cable trays according to manufacturer's written instructions.

V. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values. If manufacturer's torque values are not indicated, use those specified in UL 486A and UL 4866.

W. Visually inspect each cable tray joint and each ground connection for mechanical continuity.

X. Measure ground resistance of each system of cable tray from the most remote element to the point where connection is made to service disconnect enclosure grounding terminal. Record resistance in OHMS.

Y. Provide final protection and maintain conditions, in a manner acceptable to manufacturer and installer that ensure cable tray is without damage or deterioration at time of substantial completion.

## Section 260539 - Infloor Raceway System

A. Provide and install a complete infloor raceway system consisting of the following components:

1. #WCR1EE-10/24 10'-0" long (3) compartment unibody raceway sections with PK preset punching 24" O.C. (quantity as required for length shown).
2. #PK150 field installed presets to be located 24" O.C. as shown.
3. #CBR-1-LHT (3) compartment cell boot risers.
4. #RSCB IEE-18 raceway adjustable support coupling brackets to be located at each Walkercell butt joint and 5'-0" O.C.
5. #REC IEE raceway end closures (quantity as required).
6. #PMS-4158 mud caps with marker screws to be located on either side of junction boxes and at beginning and end of runs.
7. #IIEE JB 2510 4-way Walkercell junction box with 1" extension ring (quantity as required).
8. #IIEE JBC junction box closure (quantity as required).
9. #RAKMII Source III flush floor covers for activation to be used where shown for carpeted areas.
10. #RAKMTR-BUFF Source III flush floor covers for activation to be used where shown for tile floor areas. Provide gasket seal between floor tile and coverplate.
11. #H296 duct tape.

B. Provide all required accessories for a complete system.

C. Provide a vapor barrier between the system and grade.

D. Provide a concrete sidewalk that finishes level with top of compacted grade, AFFIX #RSCBIEE-18 supports to this sidewalk, vibrate concrete pour so that the concrete completely encapsulates the Walkercell system. Concrete must be vibrated at all headers, junction boxes, and raceway to insure that the concrete complete. It fills underneath the Walkerduct system. Care must be taken not to over vibrate.

E. The entire system shall be installed to manufacturer's specifications.

F. Submit manufacturer's specifications and installation instructions for each product specified. Submit detailed drawings showing layout of all walkerduct raceways, junction boxes, and accessories as necessary for the proper installation of the infloor system.

G. Before concrete placement, make a final inspection of the entire raceway system. Any gaps in the system shall be sealed with Walker 290G sealing compound to prevent mortar or concrete from entering. Level junction box cover plates flush with finished concrete floor.

H. After placement of concrete fill and before wiring is installed, remove debris and other foreign materials from raceway system.

I. Shrinkage and temperature reinforcement above the Walkerduct system shall be in accordance with AC1318-83. Care shall be taken during concrete placement and, in particular, during concrete vibration, to prevent rising of top reinforcement within the slab.

J. Contractors placing the concrete shall carefully hand finish a minimum of 24" adjacent to junction box access opening, so that the top of finished concrete and junction box access openings are flush.

K. The installed raceway system shall be UL listed under standard 884, shall comply with article 390 of the national electrical code, and be certified or listed by Canadian standards association or comparable testing facility.

L. Protect infloor system from damage. Do not allow equipment or heavy traffic over duct during construction period, without first installing ramps over the duct. Ramps shall be designed so that imposed loads are not transferred to the duct. Components of the system which are damaged during construction shall be replaced at no cost to the owner.

## Section 260573 - Fault Current, Coordination, and Arc Flash Study

A. The studies shall be performed by the distribution equipment manufacturer or qualified 3rd party professional engineer with field support being provided by the electrical contractor. The studies shall be submitted to the engineer prior to receiving final approval of the distribution. Equipment shop drawings and/or prior to release of equipment for manufacture. If formal completion of the studies may cause delay in equipment manufacture, approval from the engineer may be obtained for a preliminary submittal of sufficient study data to ensure that the selection of device ratings and characteristics will be satisfactory.

B. The studies shall be performed with the aid of a "Windows" based computer program. Comply with referenced standards below and NFPA 70.

C. Study the electrical distribution system from normal and, where applicable, from the alternate power sources throughout electrical distribution system for the project. Study all cases of system-switching configurations and alternate operations that could result in maximum fault conditions.

D. Short Circuit input data shall include the power company's fault current contribution, resistance and reactance components of the branch impedances, the X/R ratios, base quantities selected, and other source impedances. Gather and tabulate input data to support the short circuit study. Comply with IEEE 399 and IEEE 551. The study shall be based on the device characteristics supplied by device manufacturer.

E. Short circuit momentary duty values and interrupting duty values shall be calculated on the basis of three phase bolted short circuits at each switchgear bus, switchboard, motor control center, distribution panel, branch circuit panel, and other significant locations through the system associated with the area being renovated. The short circuit tabulations shall include symmetrical fault currents and X/R ratios. For each fault location, the total duty on the bus, as well as the individual contribution from each connected branch, shall be listed with its respective X/R ratio. Base study on the device characteristics supplied by the device manufacturer. Calculation to occur at each of the following: Switchgear, Switchboards, Motor Control Centers, Distribution Panelboards, Branch Circuit Panelboards, Disconnect Switches, and Control Panels associated with the project.

F. The overcurrent protective device coordination study shall determine overcurrent protective devices and determine overcurrent protective device settings for selective tripping. Study results shall be used to determine coordination of series-rated devices where utilized. Refer to short circuit criteria for electrical equipment to be analyzed. Gather and tabulate input data to support the overcurrent device coordination study. The study shall be based on the device characteristics supplied by device manufacturer. Study shall comply with IEEE 242 and IEEE 399.

G. Protective Device Coordination Study shall provide the following, where applicable:

1. Report recommended settings of protective devices, ready to be applied in the field. Use manufacturer's data sheets for recording the recommended setting of overcurrent protective devices when available.
   a. Phase and Ground Relays:
      1) Device tag.
      2) Relay current transformer ratio and tap, time dial, and instantaneous pickup value.
      3) Recommendations on improved relaying systems, if applicable.
   b. Circuit Breakers
      1) Adjustable pickups and time delays (long time, short time, ground).
      2) Adjustable time-current characteristic.
      3) Adjustable instantaneous pickup.
      4) Recommendations on improved trip systems, if applicable.
   c. Fuses: Show current rating, voltage, and class.
2. Protective Device Evaluation:
   a. Evaluate equipment and protective devices and compare to short-circuit ratings.
   b. Adequacy of switchgear, motor-control centers, and panelboard bus bars to withstand short-circuit stresses.
   c. Any application of series-rated devices shall be recertified, complying with requirements in NFPA 70.

H. Adjust relay and protective device settings according to the recommended settings provided by the coordination study. Field adjustments shall be completed by the engineering service division of the equipment manufacturer under the Startup and Acceptance Testing contract portion. Make minor modifications to equipment as required to accomplish compliance with short-circuit and protective device coordination studies.

I. The Arc-flash study shall determine the arc-flash hazard distance and the incident energy to which personnel could be exposed during work on or near electrical equipment. Refer to short circuit criteria for electrical equipment to be analyzed. Gather and tabulate input data to support the arc flash study. Study shall comply with IEEE 1584 and NFPA 70E.

J. Arc Flash Incident Energy and Flash Protection Boundary Calculations:

1. Arcing fault magnitude.
2. Protective device clearing time.
3. Duration of arc.
4. Arc-flash boundary.
5. Working distance.
6. Incident energy.
7. Hazard risk category.
8. Recommendations for arc-flash energy reduction.

K. Arc Flash Labels shall be a 3.5-by-5-inch thermal transfer label of high-adhesion polyester for each work location included in the analysis. Furnish and install labels for each piece of equipment analyzed.

L. Arc Flash Labels shall have an orange header with the wording, “WARNING, ARC-FLASH HAZARD”, and shall include the following information taken directly from the arc-flash hazard analysis:

1. Location designation.
2. Nominal voltage.
3. Flash protection boundary.
4. Hazard risk category.
5. Incident energy.
6. Working distance.
7. Engineering report number, revision number, and issue date.

M. Arc Flash Labels shall be machine printed, with no field-applied markings.

## Section 262213 - Dry Type Transformers

A. Transformers shall be continuously rated isolating type for 60 hertz service unless otherwise indicated.

B. Insulation systems shall be 220 degrees C (150 degrees C rise).

C. Enclosures for transformers shall be metallic, suitable for indoor and outdoor installation as applicable, and rodent proof.

D. Manufacturer shall be Cutler-Hammer, Square "D", General Electric, or I.T.E.-Siemens. Fractional KVA transformers shall be manufactured by Edwards or the special equipment manufacturer in which the transformers are used.

E. Four (4) approved vibration dampeners per transformer shall be employed as necessary to avoid transmitting any vibration to the building structure. Sizes of the mountings shall be selected on the basis of the weight of the transformer, using:

1. A minimum 1" thick rubber-cork-rubber sandwich type for floor mounting.
2. A spring type for suspension mounting.
3. Two (2) spring type at the top (with two (2) steel brackets) and two (2) rubber-in compression type at the bottom (stand-off) for wall mounting.

F. No conduits shall be attached directly to the transformer. At each attachment, provide a vibration dampening assembly consisting of:

1. AT&B #5721, 2, 3 etc., or equivalent female hub type liquid-tight connector by Steel City, Efcor or approved equal.
2. T&B #5331, 2, 3 etc., or equivalent male hub type liquid-tight connector with an insulated throat by Steel City, Efcor, or approved equal.
3. Shor length (24" plus or minus) of liquid-tight flexible conduit.
4. A bonding jumper of NEC size outside of the assembly.

G. Floor mounting: All floor-mounted transformers shall be installed on a 4" high concrete pad. This contractor shall furnish and install concrete pad.

## Section 262500 - Busway System

A. This Specification covers the electrical characteristics and general requirements for a track busway system, hereafter referred to as (Busway). The system shall be designed primarily for overhead distribution of electrical power. Supporting designated work areas and equipment. Once installed, the Busway will provide a simple, versatile, fast, and economic means of distributing power. Loads fed from a variety of plug-in units can be easily added or removed without shutting power down to the Busway.

B. The Busway shall be designed and manufactured to the following standards:

1. Low Voltage Directive (72/23/EEC) including Amendment (93/68/EEC).
2. Low Voltage Switchgear and Control gear Assemblies, Part 1: Type Tested and partially type tested Assemblies, IEC 60439-1: 1999.
3. Low Voltage Switchgear and Control gear Assemblies, Part 1: Particular Requirements for Busbar Trunking systems (Busways), IEC 60439-2: 2000.
4. Underwriters Laboratories Standard, UL 857 - The common UL, CSA, and ANGE Standard for Busways that is derived from the fifth edition of CSA Standard C22.2 No. 27, the twelve edition of UL 857, and the second edition of NMX-J-148-1998-ANCE.
5. CUL Listing
6. National Electric Code (NEC) - Article 368 - Busways
7. NEMA AB1, Molded Case Circuit Breakers and Molded Case Switches
8. NEMA KS-1, Enclosed and Miscellaneous Distribution Equipment Switches (600VAC).
9. NFPA 70 - National Fire Protection Agency

C. System Description

1. Electrical Requirements
   a. B225G Busway - Approved Manufacturer: Universal Electric Corp.
      Contact E Technologies, Inc., 800-387-2537
      1) Voltage: 120/208
      2) Frequency: 60Hz
      3) Phase Ampacity: 225 A
      4) Neutral Ampacity: 100%
      5) Isolated Ground: Included
      6) Conductors: Qty 5 (Phases A,B,C, Neutral, Isolated Ground)
      7) Grounding: Aluminum Housing
2. Environmental
   a. Indoor, Low Impedance System
   b. Ambient Operating Temperature: 40 degree C/104 degree F
      60 degree C/140 degree F (0.8 Amp Rating Multiplier)

D. Submittals

1. Submittals shall be in accordance with specified procedures. Submit shop drawings and product data for record purposes prior to ordering.
2. Indicate construction details, including dimensions, weights, clearances, major component layout, and power details. Include circuit breaker, fused plug-in, and cable schedule (if applicable), including cable lengths, and plug-in schedules.
3. Include connection diagram for external wiring and details of conduit and wiring connections and terminations.
4. Indicate special receiving and handling procedures.
5. Provide electrical characteristics and connection requirements for the system and accessories.
6. Isolated Ground Receptacles will be used on the B225G systems according to standard practices and availability.

E. Warranty

1. The Busway Manufacturer shall guarantee the entire system against defective material and workmanship for a period of one (1) year from date of shipment.

F. Busway Frame and Enclosure

1. Extruded Aluminum housing designed to be lightweight and act as a 100% ground. Housing to be 5 ft, and 10 ft standard length. This housing should be properly extruded with slots to receive rod mount hangers to hang from building structure. This housing should be open on the bottom to accept plug-in units. This opening shall pass UL's hypothetical finger probe test.
2. All conductors shall be made of copper and sized to handle 100% of its rating continuously with ambient temperatures below 40 degree C/104 degree F. The conductors shall be electrically isolated from the housing.
3. Dual busway runs shall be provided for all computer room loads and any other dual-cord power supply loads.
4. Each busway run shall be fed with a properly sized circuit breaker and feeder.

## Section 262500 (cont.)

G. Busway Plug-in Units

1. Plug-in units shall be polarized to avoid incorrect installation.
2. Plug-in units shall use circuit breakers for branch circuit protection.
3. Plug-in units shall have locking clips or bolt-on tabs to secure units to the busway.
4. Plug-in units that include drop cords shall be manufactured with cord grips and receptacles as specified by owner as indicated in the drawings. Drop-cords shall be available in any length (up to 25-feet) to accommodate the load requirements. Coordinate requirements with owner.
5. Multi-circuit and multi-breaker plug-in units shall be available to provide the maximum flexibility for powering different load requirements and configurations.

H. Current Monitor

1. Each busway run shall have a current monitor built into the power end-feed unit for the purpose of monitoring the load (current) on each phase and neutral.
2. The current monitor display shall show current (in amperes) for each of up to four channels. A green LED corresponding to the channel being displayed shall turn-on to indicate which channel measurement is on display.
3. The display shall cycle through each channel on a 2-second interval.
4. If the current level on a channel exceeds the user-programmable alarm-threshold (default of 80% of its rated capacity), a red LED corresponding to that channel will turn on. An audible alarm shall also be activated.
5. A pushbutton control shall be available to easily display each channel's load and for the purpose of changing the channel-specific alarm threshold level.
6. Remote communications connections shall be available. A remote communications hub shall provide input for up to 32-channels and an Ethernet connection for network communication.

I. Installation

1. Busway Sections: The B225G ampere runs will consist of lengths as shown on the drawings.
2. Hanging of the Busway: Using supplied "Rod Mount Hangers," the busway will be hung from the building structure using all thread. The installing contractor shall be responsible for the connections made at the building structure. The supplied Rod Mount Hangers will connect the busway to the all thread. The maximum spacing is 10 ft on center for hangers. The height of the busway shall be coordinated with the architect and owner.
3. Connecting Sections of Busway: At a junction of Busway sections, the installer will insert a Bus Connector, coupling the ends of the housings into the adjacent housing end to join two (2) sections together using the BHC-2 housing coupler. A manufacturer supplied tool will assist in joining sections together.
4. End of Runs: End pieces and end caps will be provided to install at the ends of each run.
5. Closure Strip: The closure strip can be cut and fitted to cover the bottom opening of the Busway housing to prevent dust and debris from gathering in the Busway.
6. Supply as manufactured by Universal Electric Corporation: 3089 Washington Pike; Bridgeville, PA 15017. Contact E Technologies: (800) 387-2537. No known equal.

## Section 262726 - Wiring Devices

A. Wiring device color shall be selected by architect, unless otherwise indicated.

B. Provide totally enclosed, 20 ampere, 120/277 volt, quiet *NC* general use snap switches.

C. Switches shall be specification grade as manufactured by Hubbel, P&S, or Leviton.

D. Provide NEMA configuration 5-20R Duplex 125 volt grounding type receptacles rated for 20 amperes unless otherwise indicated on the drawings.

E. Receptacles shall be specification grade as manufactured by Hubbell, P&S, or Leviton.

F. Receptacles requiring amperages, voltages, or configurations different from the duplex convenience receptacles above shall be as indicated on the drawings.

G. Provide other receptacles of a quality, material, and workmanship equal to that specified for duplex convenience receptacles.

H. Provide cover or device plates for outlet boxes as follows unless otherwise noted:

1. Finished areas: Thermoplastic - color to match device.
2. Unfinished areas: Zinc coated sheet metal, aluminum, or cast metal as appropriate for the type of box.
3. Exterior areas: Copper free aluminum with gray, powder epoxy finish, gasket, weatherproof, Crouse-Hinds "WLRD" for duplex receptacles and WLRS for single receptacles or equal.
4. Telephone, communication, and signal outlet plates, shall match those used for receptacles and switches. All outlet and/or junction boxes shall be complete with a cover plate by this contractor.
5. Where devices are ganged, they shall be installed under a common coverplate.

I. Locate the switches approximately 4'-0" above the finished floor elevation or nearest block course (within ADA requirements), unless otherwise indicated. The long dimension of the switches shall be vertical.

J. Locate receptacles approximately 1'-6" above the finished floor elevation or nearest block course (within ADA requirements), unless noted otherwise. The long dimension of receptacles shall be vertical.

## Section 262813 - Fuses

A. The contractor shall furnish a complete set of fuses for all switches, plus fusible equipment furnished by other trades. Unless indicated otherwise on plans, the fuses shall be of the following types:

1. Fuses 601 to 6000 amps shall be UL class. Trade type shall be KRP-C as manufactured by Bussmann Company.
2. Fuses 1/10 to 600 amps shall be UL class RK1. Trade type shall be low peak LPS-RK (600V) and LPN-RK (250V) as manufactured by Bussmann Company.
3. All other fuses shall be dual-element current-limiting type with 200,000 amperes symmetrical interrupting capacity.

B. Fuses shall be manufactured by Bussman, Gould-Shawmut, or Reliance.

C. Spare fuses amounting to a duplicate set of each size installed shall be turned over to the owner upon completion of the project. Provide and place in a spare fuse cabinet similar to Bussman # SFC.

D. This contractor shall replace all fuses blown during construction.

## Section 262416 - Distribution and Panelboards

A. Distribution Panels (Circuit Breaker Style)

1. Distribution panels shall be dead front type with features and rating as scheduled on the drawings.
2. Molded case circuit shall be as scheduled, of size and number indicated on the drawings. All breakers shall be bolt-on type.
3. All lugs shall be UL approved CU/AL type.
4. Panels shall be manufactured as a complete unit and not an assembly of parts secured from a supply house.
5. All panels shall be capable of accepting circuit breakers sized up to and including 400 amps.
6. Vertical bussing shall be extended the full length of the panel.
7. All bus bars shall be rectangular solid copper.
8. Distribution panels shall be G.E., Square D, Siemens, or Cutler-Hammer.
9. Install panels such that handle for the top breaker does not exceed 6'-6" above finished floor.
10. Provide phenolic labels for each panel.
11. All bolted connections shall be torqued in accordance with manufacturer's standards.
12. Surface-mounted panels shall be mounted on a 314” plywood backboard. Floor-mounted panels shall be mounted on a 4" high concrete pad.

B. Panelboards

1. Panelboards shall be enclosed dead front safety type with features and ratings as scheduled on the drawings.
2. Panels known as "load centers" are unacceptable.
3. Molded case circuit breakers shall be as scheduled on the drawings and specified in this division.
4. All bus bar shall be rectangular solid copper.
5. Space, where shown in panel schedules, designates space for future protective devices and shall include bus and support.
6. Install cabinets so that center of the top breaker does not exceed 6'-6" above the finished floor.
7. Entries on directory cards shall be typed, complete and accurate.
8. All bolted connections shall be torqued in accordance with manufacturer's standards.
9. Electrical contractor shall arrange circuits as near as possible to circuit numbers on the drawings. At completion of job, electrical contractor shall take current reading checks of respective phases. A minimum of circuit connections shall be rearranged to balance, as closely as possible, the load in the panel.
10. All breakers shall be bolt-on type.
11. Provide (3) spare 1" conduits into accessible ceiling space where panels are flush-mounted.
12. Manufacturer shall be Square D, Siemens, G.E., or Cutler-Hammer.

## Section 262816 - Safety Switches

A. Safety switches shall be the enclosed heavy-duty type (type HD) with quick-make, quick-break mechanism, and external pad lockable operating handle.

B. Safety switches shall be rated for 240 or 600 volts as applicable. They shall be horsepower rated when used in motor circuits.

C. Safety switches shall be fusible or non-fusible 2, 3, or 4 pole as indicated on the drawings.

D. Safety switches shall be single throw unless otherwise indicated on the drawings.

E. Enclosures shall be NEMA 1 indoors and NEMA 3R outdoors unless otherwise indicated on the drawings.

F. Manufacturer shall be Square D, Siemens, G.E., or Cutler-Hammer. All safety switches shall be by one manufacturer.

G. Mount the safety switches securely between 3' X 6' levels above the floor unless otherwise indicated on the drawings.

H. Switches on block walls shall be mounted on a 3/4" plywood backboard, where located indoors.

## Section 265119 - Lighting Fixtures

A. LED Lighting Fixtures:

1. Recessed Fixtures: Comply with NEMA LE 4.
2. Bulb shape complying with ANSI C79.1.
3. Lamp base complying with ANSI C81.61.
4. CRI of minimum 80.
5. CCT of 3500K, unless noted otherwise on the plans or fixture schedule.
6. Rated lamp life of 50,000 hours, minimum at 70 percent lumen maintenance.
7. Lamps dimmable from 100 percent to 10 percent of maximum light output, unless noted otherwise on the plans or fixture schedule.
8. Integral driver. Driver power factor shall be 40 percent or greater. Harmonic distortion shall be less than 10% THD. Drivers shall be equipped with automatic thermal protection and 20 KA surge protection with end of life LED indicator.
9. Nominal Operating Voltage: As indicated on plans and schedules.
10. Efficiency minimum of 80 lumens per watt.
11. Each LED luminaire type shall be binned within a three-step MacAdam Ellipse to ensure color consistency among luminaires.
12. Fixtures shall comply with UL 1598 and UL 8750.

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Riverside Market

New Orleans, LA

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createworldwide.com

Owner / Developer:
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50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
**Thorson Baker + Associates**
3030 W. Streetsboro
Richfield, OH 44286

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JEFFERY D. MITERKO
REG. No. 27852

ELECTRICAL SPECIFICATIONS

2525A E-301

# ELECTRICAL SPECIFICATIONS (cont.)

B. LED Replacement Lamps:
  1. Manufacturers:
    a. Satco.
    b. Green Creative.
    c. Substitutions: See Division 01 for substitution requirements.
  2. Description: Light-emitting diode (LED) self-ballasted lamps listed as complying with UL 1993; intended for replacement of lamps of other light source types, including but not limited to, incandescent, fluorescent, and high intensity discharge (HID); suitable for installation in luminaire to be retrofitted.
  3. General Requirements:
    a. Unless explicitly excluded, provide new, compatible, operable lamps in each luminaire.
    b. Verify compatibility of LED replacement lamps with luminaires to be installed.
    c. Minimum Efficiency: Provide lamps complying with all current applicable federal, state, and local lamp efficiency standards.
    d. Color Temperature Consistency: Unless otherwise indicated, for each type of lamp, furnish products which are consistent in perceived color temperature. Replace lamps that are determined by the Architect or Engineer to be inconsistent in perceived color temperature.
    e. Lumen Output: Unless otherwise indicated, lamp lumen output shall meet or exceed the lumen output of the lamps being replaced.
    f. Dimming: Unless otherwise indicated, lamps shall be dimmable.
    g. Lens: Frosted or Clear as required per application, as directed by architect, interior designer, lighting consultant, or engineer.
  4. LED Estimated Useful Life:
    a. Calculated based on IES LM-80 test data.
    b. Fluorescent Lamp Replacements: Minimum of 50,000 hours, at 70 percent lumen maintenance.
    c. High Intensity Discharge (HID) Lamp Replacements: Minimum of 50,000 hours, at 70 percent lumen maintenance.
    d. Incandescent Lamp Replacements: Minimum of 15,000 hours, at 70 percent lumen maintenance.

C. Exit Signs:
  1. Comply with UL 924; For sign colors and lettering size, comply with authorities having jurisdiction.
  2. Internally Lighted Signs: Lamps for AC Operation: Light-emitting diodes, 70,000 hours minimum of rated lamp life.
  3. NFPA 101 Compliance: Comply with visibility and luminance requirements for exit signs.

C. All lighting fixtures shall be furnished and installed by electrical contractor as indicated on the lighting fixture schedule. Other acceptable manufacturers shall be at the discretion and approval of the architect and engineer.

D. All fixtures shall bear the Underwriter's Laboratories (UL) label, be listed and approved for the purpose intended and installed according to manufacturer's instructions.

E. Existing fixtures noted to be reused shall be cleaned and relamped.

F. Electrical contractor shall confirm that all lighting fixtures and associated drivers, ballasts, etc. are coordinated with the lighting/dimming controls being provided. Contractor shall verify if and where Generator Transfer Devices (GTDs) are required prior to ordering lighting fixtures.

G. Electrical contractor shall confirm that all lighting fixture mounting options and hardware are coordinated with the ceiling height and construction. Contractor shall verify fixture mounting heights with architect prior to ordering and rough-in.

H. Coordinate layout and installation of lighting fixtures and suspension system with other construction that penetrates ceilings or is supported by them, including HVAC equipment, fire-suppression system, and partition assemblies.

I. Set all lighting fixtures level, plumb, and square with ceilings and walls.

J. This contractor shall provide and install all necessary support media for all lighting fixtures including structural steel, angle, rods, etc., and shall be supported in a manner acceptable to the local inspection authorities. All fixtures shall be firmly supported from beams or joists.
  1. Provide all necessary backing, blocking, and supports for wall mounted fixtures.
  2. Fixtures shall not be supported from roof deck.
  3. Support for Fixtures in or on Grid-Type Suspended Ceilings:
    a. Install a minimum of four (4) ceiling support system rods or wires for each fixture. Locate not more than 6 inches (150 mm) from fixture corners.
    b. Support Clips: Fasten to fixtures and to ceiling grid members at or near each fixture corner with clips that are UL listed for the application.
    c. Fixtures of Sizes Less Than Ceiling Grid: Install as indicated on reflected ceiling plans or center in acoustical panel, and support fixtures independently with at least two (2) 3/4-inch (20-mm) metal channels spanning and secured to ceiling tees.
  4. Suspended Fixture Support: Pendants and Rods: Where longer than 48 inches (1200 mm), brace to limit swinging.

K. If required by code, light fixtures shall be Chicago Plenum or New York City rated. If required by code or project requirements, light fixtures shall be CALGREEN, DC Green, Title 24, and/or Energy Star compliant/certified.

L. Recessed fixtures recessed in air plenums shall be approved for the purpose intended and installed according to manufacturer's instructions. Fixtures shall be air-tight rated and/or provide air-tight gaskets to seal around openings.

M. Recessed fixtures in direct contact with insulation shall be IC (Insulated Ceiling) rated. Insulation shall be kept away from Non-IC rated fixtures as required by code and manufacturer's instructions. Provide barriers as required.

N. All penetrations associated with the electrical installation located in or passing through fire rated assemblies shall be fire-stopped using a UL approved method. Furnish and install UL listed fire rated materials and equipment such as boxes, puddy pads, endothermic mat, lighting fixtures with rated enclosures, fire rated covers for lighting fixtures, etc. to comply with code for project conditions. UL approved method for fire stopping shall meet or exceed fire rating of structure being penetrated. Reference architectural plans for fire ratings.

O. All adjustable fixtures shall be aimed and adjusted during evening hours to the satisfaction of the architect.

P. Submittals: In accordance with other sections of these specifications, provide shop drawings for lighting fixtures containing the following information (as applicable):
  1. Project specific luminaire designation
  2. All features, options, accessories, mounting, etc. clearly marked
  3. Luminaire dimensions
  4. Delivered lumen output, CCT and CRI
  5. Lamp life
  6. Energy efficiency data
  7. Photometric data
  8. Listings (NRTL, IC, IP, etc.)
  9. Lighting controls compatibility
  10. Emergency batteries (integral or remote) including the capacity and lumen output
  11. Factory shop drawings indicating project specific lengths and layouts for all continuous linear products

## Section 270528 - Telephone System

A. Electrical contractor to provide telephone service conduit or duct to telephone board as shown on plans. Service conduit size and quantity shall be as determined by local telephone company.

B. This contractor shall provide and install all conduits with pull wires, outlet boxes, metal cabinets, and pull boxes. Provide a complete conduit system with pull wire as indicated on drawings.

C. All plates shall be standard telephone type with jack. Provide plates of same material and finish as specified for receptacles. Wall phone plates shall have mounting studs.

D. Provide fire-rated plywood terminal board as shown on drawings.

E. A conduit run shall have not more than three (3) bends in a run between outlet boxes or between outlet box and a metal cabinet or pull box. When a run requires more than three (3) bends, a pull box of suitable size shall be placed in suitable location to meet the above conditions.

## Section 284621 - Fire Alarm System

NOTE: Supervisory/Fire Alarm System specification is listed to show design intent and level of quality. This E.C. shall provide supervisory/fire alarm panel and all devices by manufacturers listed below. In addition, this E.C. shall provide to the authority having jurisdiction all drawings, wiring diagrams, battery calculations, cut sheets, on all devices, etc., signed by a certified fire alarm designer.

Fire Alarm System (Addressable Analog Type) (Simplex)
  1. This contractor shall submit fire alarm system drawings and specification to the local fire department for their approval before installation of any fire alarm components or wiring.
  2. Equipment: All devices, combinations of devices, appliances, and equipment shall be listed for the purpose for which they are used and shall be installed in compliance with applicable codes and standards.
  3. Provide a complete, supervised, power-limited, fire alarm system. All equipment herein specified is that of Simplex Time Recorder Co. Equipment supplied by listed acceptable alternate manufacturers shall meet or exceed the quality of the Simplex equipment specified.
  4. The fire alarm system shall be an electrically supervised system, which shall monitor the integrity of circuit conductors and power supplies.
  5. The installation organization shall be a company specializing in the installation of fire alarm systems. This organization shall have a minimum of five years experience with installation of such systems.
  6. The contractor shall provide and maintain on the site an up-to-date record set of approved shop drawings.
  7. Record drawings shall include location of end-of-line device locations.
  8. Upon completion of the work, and final acceptance by the local authority, the contractor shall submit record drawings to the owner.
  9. A remote monitoring facility output circuit, selectable for interface to remote station reverse polarity, local energy master box, shunt master box, digital alarm communicator, or radio transmitter monitoring systems, shall be provided. The equipment supplier must contact the local authorities prior to bidding and supply all required equipment in the base bid.
  10. Control panel shall be simplex 4010-9101 with Simplex Type 4010-9810 Internal D.A.C.T. The power supply shall be adequate to serve control panel modules, relays, and alarm indicating appliances. Include a secondary emergency power supply with capacity for operating system in stand-by mode for 24 hours followed by alarm mode for ten minutes.
  11. LCD annunciator panel shall be Simplex #4606-9101 with Simplex #4603-9111 brushed aluminum trim plate.
  12. Addressable pull stations shall be semi-flush, action push/pull type, simplex #4099-9003.
  13. Smoke detectors shall be analog photoelectric type, Simplex #4098-9710.
  14. Analog heat detectors shall be 135 degrees F fixed temperature with rate-of-rise type, Simplex #4098-9733 with addressable base, Simplex #4098-9788.
  15. Duct-mounted smoke detectors shall have a base with auxiliary relay (Simplex Type 4098-9756), analog photoelectric detector (Simplex Type 4098-9714), and sampling tubes (length as required).
  16. Duct detector remote key reset/test station with alarm LED shall be Simplex Type 2098-9806.
  17. Semi-flush audio/visual unit shall be Simplex Type 4903-9301 Series with A.D.A. complying 15/75 Candela strobe and horn. All strobe lights shall be synchronized.
  18. Visual only unit shall be Simplex Type 4904-9307 with A.D.A complying 1 5 Candela strobe. All strobe lights shall be synchronized.
  19. Waterflow and temper switches shall be furnished and installed by the sprinkler contractor. The electrical contractor shall connect each device to the fire alarm system using an individual addressable module (IAM) Simplex #4090-9001.
  20. Magnetic door holders shall be electrically operated and magnetically hold smoke doors in an open position. Provide a flush, surface or floor mounted as required:
    a. Flush mounting - Simplex Type: 2088-9579
    b. Surface mounting - Simplex Type: 2088-9582
    c. Floor mounting - Simplex Type: 2088-9573

### Section 284621 (cont.)

  21. Provide and install wiring per manufacturers' specifications. All wiring shall be in conduit (3/4" minimum).
  22. The completed fire alarm system shall be fully tested in accordance with NFPA-72H, and local fire department requirements, by the installed, in the presence of the owner's representative and the local fire marshal. Upon completion of a successful test, the installer shall so certify, in writing, to the owner and general contractor.
  23. Include on-site services of a certified technician to provide technical installation support for panel start up, program editing, troubleshooting of the fire alarm system control panel, and assistance to the installer for one complete final system checkout in accordance with the field quality control section of these specifications.
  24. Acceptable manufacturers/suppliers shall be Simplex, Notifier (as supplied by a certified Nesco affiliate) or Siemens.

## DEMOLITION NOTES

1. IN EVERY INSTANCE OF DEMOLITION AND/OR REMODELING, THE ELECTRICAL CONTRACTOR SHALL FIGURE A COMPLETE JOB AS NONE OTHER SHALL BE ACCEPTED.

2. THE DRAWINGS ARE TO BE USED ONLY AS A GUIDELINE FOR DEMOLITION. THE ELECTRICAL CONTRACTOR MUST VISIT THE SITE PRIOR TO BIDDING TO VERIFY ALL WORK REQUIRED FOR A COMPLETE JOB & INCLUDE THE COST OF SUCH WORK IN HIS BID.

3. THE ELECTRICAL CONTRACTOR SHALL MAINTAIN EXISTING SERVICES TO & IN THE EXISTING AREA AS REQUIRED.

4. IF NECESSARY, THE ELECTRICAL CONTRACTOR SHALL PROVIDE TEMPORARY SERVICES IN THE EXISTING AREAS.

5. THE ELECTRICAL CONTRACTOR SHALL DISCONNECT & REMOVE ELECTRIC SERVICE TO ALL MECHANICAL EQUIPMENT BEING REMOVED AS A RESULT OF THE REMODELING.

6. ELECTRICAL EQUIPMENT & DEVICES SHALL BE REMOVED COMPLETE INCLUDING CONDUIT & WIRE.

7. FLUSH MOUNTED WALL OUTLETS SHALL BE BLANKED-OFF WITH A COVERPLATE. COVERPLATE COLOR SHALL BE SELECTED BY ARCHITECT.

8. ANY EXISTING CONDUIT, WIRING AND/OR ELECTRICAL & MECHANICAL DEVICES BEING DISTURBED BY THE WORK SHALL BE REWORKED BY THIS CONTRACTOR AS REQUIRED TO RETURN TO ITS FORMER EXISTING OPERATING CONDITION.

9. ANY CIRCUITS FEEDING THROUGH DEVICES OR EQUIPMENT BEING RELOCATED, REWORKED, OR ABANDONED & SERVING OTHER ELECTRICAL DEVICES, AND/OR EQUIPMENT SHALL BE MAINTAINED BY PROVIDING J-BOXES OR OTHER ACCEPTABLE METHOD AS REQUIRED.

10. ALL WALLS, CEILINGS, FLOORS, ETC., BEING DISTURBED BY THE WORK SHALL BE RETURNED TO FINISHED CONDITIONS TO MATCH EXISTING BY THE ELECTRICAL CONTRACTOR & HE SHALL DO HIS OWN CUTTING & PATCHING AS NECESSARY UNDER HIS CONTRACT.

11. EXISTING MATERIALS SHALL BE TURNED OVER TO THE OWNER. IF NOT REQUIRED BY OWNER, THE ELECTRICAL CONTRACTOR SHALL REMOVE THESE MATERIALS FROM THE PREMISES.

12. NO CONDUIT, BOXES, WIRING, OR CABLES SHALL BE INSTALLED WITHIN 1 1/2" OF THE LOWEST POINT OF THE UNDERSIDE OF THE ROOF DECKING, NOR SHALL THEY BE INSTALLED CONCEALED WITHIN METAL-CORRUGATED ROOF DECKING. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT, BOXES, WIRING, AND CABLING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.

13. ALL CONDUIT AND CABLING SHALL BE PROPERLY SUPPORTED AS REQUIRED BY THE NATIONAL ELECTRICAL CODE. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AND/OR REWORK EXISTING CONDUIT AND/OR CABLING THAT IS NOT IN COMPLIANCE WITH THIS REQUIREMENT.

14. CONTRACTOR SHALL FIELD VERIFY SLAB ON GRADE FLOOR CONSTRUCTION TYPE PRIOR TO CUTTING. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR CUT A STRUCTURAL FLOOR SLAB THICKER THAN FOUR (4") INCHES WITHOUT PRIOR WRITTEN APPROVAL FROM ENGINEER OF RECORD. NOTIFY ENGINEER OF RECORD OF ANY SLAB THICKNESS GREATER THAN FOUR (4") INCHES PRIOR TO PROCEEDING WITH ANY SAW CUTTING.

Riverside Market

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Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
Richfield, OH 44286

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JEFFERY D. MITERKO
REG. No. 27852

ELECTRICAL SPECIFICATIONS

2525A E-302

GENERAL

1. The term General Contractor (G.C.) as used in these documents refers to the Contractor / Construction Manager in responsible charge of the project in terms of coordination, scheduling, subcontractor coordination, etc. this term refers to, but is not limited to, General Contractor, Construction Manager, Design Build Contractor, Prime Contractor, etc. The term is referencing the entity that coordinates the work of other trades.

2. These drawings are diagrammatic and indicate the general extent of the work. The contractor shall be responsible for the coordination and proper installation of all mechanical systems. The contractor shall provide all necessary offsets and fitting which may be required due to space constraints or other conditions.

3. Existing building HVAC, Plumbing and Fire Protection systems shown on these drawings which are to be removed or modified may not show current installations or conditions. Each contractor shall field verify all existing systems.

4. The mechanical systems or its modifications are designed to be a complete operating system and stable after the building or its modifications are fully completed. It is solely the contractor's responsibility to determine construction, installation, and programming procedures and sequences to have a complete and working system and to ensure the safety of the construction personnel, public, building and its component parts, and adjacent buildings and properties. This includes the addition of whatever temporary or permanent bracing, etc. that may be necessary to brace new or existing construction, walls, and framing to remain so that the structure is braced for construction loads, etc. and that no horizontal or vertical settlement or any damage occurs to the adjacent new or permanent supports and bracing that are installed. Design of these supports shall be provided by the contractor. Provide all materials, labor, equipment, and accessories required to furnish and install the systems identified in specifications and drawings.

5. It is the contractor's responsibility to enforce all applicable safety codes and regulations during all phases of construction.

6. Construction loads shall not exceed structural design live loads. The contractor shall be responsible for all design required to support construction equipment used in constructing this project. Verify and coordinate with structural drawings.

7. The contractor shall perform all construction for the project in a manner and sequence that are based on accepted industry standards that recognize the interaction of the components that comprise the systems, without causing distress, unanticipated movements or irregular load paths as a result of the construction means and methods employed.

8. The contractor shall provide all miscellaneous supporting steel, etc. for the proper installation of all mechanical systems.

9. Before fabrication and/or installing any work, contractor shall see that it does not interfere with clearance required for finish on beams, columns, pilasters, walls, or other structural or architectural members, as shown on architectural drawings. If any work is so installed and it later develops that architectural design cannot be followed, contractor shall, at his own expense, make such changes in his work as architect may direct to permit completion of architectural work in accordance with plans and specifications.

10. All piping shall be protected as required by the applicable Mechanical, Plumbing, Fire Protection and Building Codes: " General Regulations" and other Code Chapters.

11. Pipes passing through or under walls shall be protected from breakage. Pipes passing through studs, joist, rafters or similar members less than 1 1/2" from the nearest edge of the members shall be protected by steel shield plates.

12. Piping shall be installed to prevent strains and stresses that exceed the structural strength of the pipe. Where necessary, provisions shall be made to protect piping from the damage resulting from pipe expansion and contraction and structural/soil settlement. Expansion joint fittings shall be used where necessary to provide for expansion and contraction of the pipes. Sleeved openings shall be sized appropriately to accommodate pipe movement and structural/soil settlement. Expansion joint fittings shall be of the typical material suitable for use with the type of piping in which fittings are installed. At a minimum install rubber mechanical joint couplings or CSA-certified expansion joints on all vertical piping at every other floor of the building and rigidly support the stack pipe on alternating floors to direct any movement into the appropriate expansion compensator. Design of these expansion fittings shall be provided by the contractor. Any analysis which requires additional support or expansion detailing shall be shared with the mechanical design professional and any stresses or point loads created by the engineered system shall be shared with the structural designer for review.

13. Install additional offsets on piping or ductwork where required to obtain maximum headroom or to avoid conflict with other work without additional cost to owner.

14. Report any interferences between work under this division and that of any other contractors to architect as soon as they are discovered. Architect will determine which equipment shall be relocated, regardless of which was first installed, and his decision shall be final.

15. The contractor shall coordinate floor, wall, and roof penetrations, louver sizes, etc. with general trades.

16. Principal openings on these drawings through the framing are shown on the structural drawings. The mechanical contractor shall examine the structural and mechanical drawings for the required openings and shall verify size and location of all openings with the general contractor. General contractor shall provide all openings required through the framing by the mechanical, electrical, plumbing, or other trades, whether or not shown on the structural drawings. Any deviation from the openings shown on the structural drawings shall be brought to the engineer's attention for review.

17. All mechanical and electrical work: Ductwork, plumbing, piping, wiring, lighting, etc. and all architectural items that need to be removed during the modification of or reinforcing of, existing structure shall be replaced in kind by the respective contractor. The contractors shall keep all existing systems in operation during the construction phase of the project.

18. All contractors are required to examine the drawings and specifications carefully, visit the site and fully inform themselves as to all existing conditions and limitations, prior to agreeing to perform the work. Failure to visit the site and familiarize themselves with the existing conditions and limitations will in no way relieve the contractor from furnishing any materials or performing any work in accordance with drawings and specification without additional cost to the owner to have a complete and working system.

19. Details labeled “Typical Details” or “Typical” on drawings apply to situations occurring on the whole project that are the same or similar to those specifically detailed. Such details apply whether or not details are referenced at each location on drawings. Notify engineer for clarifications regarding applicability of “Typical Details”.

20. Work and coordinate these drawings with architectural, civil, structural, mechanical, plumbing, fire protection, electrical, and technology drawings.

21. Do not scale drawings.

22. Any discrepancies between mechanical and architectural drawings shall be brought to the attention of the architect and mechanical engineer.

23. In the case of conflict between drawings, notes, and specifications, or among drawings, the strictest provision or larger quantity shall govern without additional expense to the owner, architect, or engineer.

24. Refer to architectural and electrical reflected ceiling plans for exact location of light fixtures. Contractors to coordinate locations of lighting, speakers, air diffusers, grilles, sprinkler heads and the like, with reflected ceiling lay-outs as required and directed by the architect.

25. Ductwork or piping shall not be located over the top of any electrical panels or equipment.

26. Contractor shall include in his bid all cutting, trenching, and patching associated with the installation of this projects work.

27. Cutting, Patching and Drilling

    A. All cutting and patching of the building construction required for this work shall be by this contractor unless shown on architectural drawings and confirmed as to size and location prior to new construction. Cutting shall be in a neat and workmanlike manner.

    B. Neatly saw cut all rectangular openings, set sleeve through opening, and finish patch or provide trim flange around opening.

    C. Neatly saw cut floors and patch floor to match existing, including floor covering.

    D. Contractor shall field verify slab-on-grade or supported floor construction type prior to cutting. Under no circumstances shall this contractor cut a floor thicker than 4 inches, a structural floor slab, whether on grade or supported, without prior written approval from the architect. If floor slab indicated to be cut on mechanical plans is found to be structural in nature, do not cut. Contact architect immediately for further directions.

    E. Core drill and sleeve all round openings.

    F. Do not cut any structural components without architect's written approval, including, but not limited to roof joists, columns, floor joists, beams, girders, structural floor slabs, rebar, etc.

    G. Patch, and finish to match adjacent areas that have been cut, damaged or modified as a result of the installation of the mechanical systems. Fire-stop all penetrations of fire rated construction in a code approved manner.

    H. All contractors shall confirm with owner, prior to bid, times available for noise producing work such as cutting and core drilling of floors, walls, etc. as well as times for work which requires access into adjoining tenant spaces. Include any premium time in bid.

    I. Exact location of roof top air conditioning units shall be approved by the structural engineer. Mechanical contractor shall furnish and install all supplemental support steel for equipment and roof penetrations after approval of structural engineer.

    J. The mechanical contractor shall coordinate work with the general contractor prior to construction. The mechanical contractor shall provide information regarding openings in walls, floors, etc., concrete equipment pads and foundations to the general contractor. If the mechanical contractor fails to comply with this request, or if incorrect information is given, the necessary cutting and patching will be performed by the general contractor, the mechanical contractor's expense.

    K. All openings required for this branch of work shall be accomplished in time to be incorporated in, and be compatible with the construction program; otherwise this contractor shall be responsible and pay for all changes made necessary for his failure to do so. Pipe holes in floors and walls shall be core drilled if not sleeved during construction.

    L. Existing slabs shall be core drilled at reentrant corners of new floor openings to prevent overcutting.

29. Refer to mechanical, plumbing, fire protection, and electrical plans for location of mechanical, plumbing, and electrical equipment. Coordinate location of disconnect switch associated with each piece of mechanical and plumbing equipment with electrical contractor.

30. Installation requirements for all HVAC, plumbing, and fire protection systems shall be reviewed and coordinated with all other trades involved prior to rough-in. Give equipment shop drawings from installer/supplier/contractor equipment, as required, for review and coordination to all other trades involved. Contact architect/engineer with any discrepancies found between construction drawings and equipment being furnished prior to rough-in.

31. The contractor shall furnish all access panels or doors in hard ceilings and walls with a size as required for servicing and testing, for equipment, valves and/or devices furnished under this contract. The general contractor shall install access panels. The contractor shall coordinate the size and location of each access panel with the architect and general contractor prior to rough-in.

32. Firestopping

    A. The contractor shall review all architectural drawings for type of walls, fire rating, & firestopping details and shall provide all fire dampers and firestopping required for these walls whether shown or not on the mechanical plans.

    B. All penetrations through fire rated walls associated with the installation shall be sleeved and fire-stopped using a UL approved method. UL approved method shall meet or exceed fire rating of structure being penetrated. Reference architectural plans for fire rated structures. If shown, reference architectural, mechanical and electrical drawings for penetration details.

    C. All openings through fire rated walls, floors, and/or roofs for ductwork, piping, conduit, etc., shall be fire sealed with a calcium salicate, silicone “RTV” foam, “3M” fire rated sealants, Hilti Firestop Systems, or approved equal to maintain the intended fire rating and associated UL ratings as recommended by the architect and/or sealant manufacturer.

    D. All fire stopping sealants shall be thixotropic so as not so slump or sag and shall be trowelable. Fire stopping sealants shall be intumescent and shall be free of asbestos, halogens, and volatile solvents.

    E. Fire stopping materials shall be classified in the Underwriters Laboratories (UL) fire resistance directory or listed in the Warnock Hersey International Directory.

33. All equipment and devices for this project must be UL listed. Devices, equipment, systems shall be installed per National Electrical Code requirements and manufacturer's instructions.

34. All conduit and cabling shall be properly supported as required by the National Electrical Code. For existing installations, the contractor shall be responsible to replace and/or rework existing conduit and/or cabling that is not in compliance with this requirement.

35. All materials and work in the ceiling return air plenum shall be approved for plenum rated application in accordance to the current building code. Where open wiring methods for low voltage systems is permitted by the contract documents and local authority, the conductor insulation must be plenum rated.

36. All hot water heating supply and return branch run-out piping shall be 3/4 inches unless otherwise noted on drawing.

37. Shop Areas and Material Storage

    A. No plumbing or mechanical trade is permitted to use as shop working area, any concrete slab that is to receive metallic waterproofing, asphalt tile, plastic tile, etc., except by express permission of the architect.

    B. The contractor shall make provisions for the delivery and safe storage of his materials and equipment in coordination with the work of others. Materials and equipment shall be delivered at such stages of the work as will expedite the work as a whole and shall be marked and stored in such a way as to be easily checked and inspected. The arrival and placing of large equipment items shall be scheduled early enough to permit entry and setting when there is no restriction or problem due to size and weight.

38. Temporary Heat

    A. The HVAC contractor under this division shall set up temporary heat and other services as may be required and/or requested by the general contractor. See “General Conditions” and “Special Conditions.” This contractor shall pay expenses resulting from temporary heat and services used solely by him.

39. Leak Detection System

    A. A Leak Detection System (LDS) consists of one or more refrigerant detection sensors and is required in ducted HVAC systems that have more than 3.91 lbs of A2L refrigerant charge, per safety standard UL60335-2-40. For any units with more than 3.91 lbs of charge in a circuit, an LDS will be factory-installed by the manufacturer on applicable units.

40. Due to the flammability characteristics of Group A2L refrigerants, all A2L equipment shall be "listed" in accordance with either the UL 60335-2-40/CSA C22.2 No. 60335-2-40, Standard for Household and Similar Electrical Appliances-Safety-Part 2-40: Particular Requirements for Electrical Heat Pumps, Air-Conditioners and Dehumidifiers, or UL 484, Standard for Room Air Conditioners.

Demolition

1. The architectural drawings are to be used only as a guideline for demolition. The contractor must visit the site prior to bidding to verify all work required for a complete job and include the cost of such work in his bid.

2. The mechanical drawings are intended to show only the general existing building construction within the area of demolition. The drawings do not show all systems, quantities, sizes, obstructions, etc., and are not intended to be used by the contractor to define the complete scope of demolition. The contractor must field verify the actual building and systems conditions to define all elements within the scope of demolition.

3. Examine areas and conditions under which demolition work must be performed. This contractor shall coordinate his work with other trades performing demolition work and/or demolition work performed by the owner. In every instance of demolition and/or remodeling, the contractor shall figure a complete job as none other shall be accepted.

4. The extent of work shown or not shown shall include removal and legally dispose off site, all the items and systems being removed.

5. Where temperature controls are indicated for demolition, retain the services of a temperature control contractor to perform such demolition.

6. This contractor shall retain on the premises in neatly stacked piles where instructed for selection by the owner, all material, wire, fixtures and/or equipment which are specified to be removed or replaced. All such items, not selected for salvage by the owner, shall become the property of this contractor and shall be removed from the premises and legally disposed.

7. Conform to all applicable codes for demolition of items and systems, safety of adjacent systems, dust control, legal run-off control, disposal and all items necessary to complete the work completely.

8. Demolition shall be done in a manner so as not to damage adjacent work and not affect the operation of systems to remain in use. Any item to remain that is damaged by the contractor shall be replaced and/or repaired at the contractor's expense.

9. Demolition and cutting shall be done in a manner which does not deform or apply loads to the existing framing and equipment of the building to remain.

10. All walls, ceilings, floors, etc., being disturbed by the work shall be returned to finished conditions to match existing by the contractor and contractor shall do his own cutting and patching as necessary under his contract.

11. The contractor shall maintain existing services to and in the existing area as required.

12. The existing systems to remain are to be supported as required until the modified elements are installed and supported.

13. If necessary, the contractor shall provide temporary services in the existing areas.

14. Existing slabs shall be saw-cut in a manner that does not cause the steel framing or the rebar supporting the slab to be cut. Contractor shall field verify slab thickness and rebar spacing.

15. Existing slabs shall be core drilled at reentrant corners of new floor openings to prevent over cutting.

16. The demolished systems shall be reduced to pieces of a weight, and transported across the remaining structure in a manner, such that the remaining structure is not overstressed.

17. The electrical contractor shall disconnect and remove electric service to all mechanical equipment being removed as a result of the renovation.

18. Equipment and devices shall be removed complete including hangers, supports, controls, conduit, wire, pipes, ductwork, etc. Wiring shall be disconnected at circuit breakers, removed and breakers marked “spare.”

19. All open ended piping and ductwork that is to remain shall be capped and property secured.

20. Any existing pipes, ductwork, conduit, low voltage control, wiring and/or electrical and mechanical devices being disturbed by the work shall be reworked by this contractor as required to return to its former existing operating condition.

21. Any pipes or ductwork, or control wiring, or tubing feeding through devices or equipment being relocated, reworked, or abandoned and serving other devices, and/or equipment shall be maintained in working condition.

22. Mechanical contractor shall remove and reclaim any refrigerant in existing systems prior to demolition of any equipment according to federal requirements.

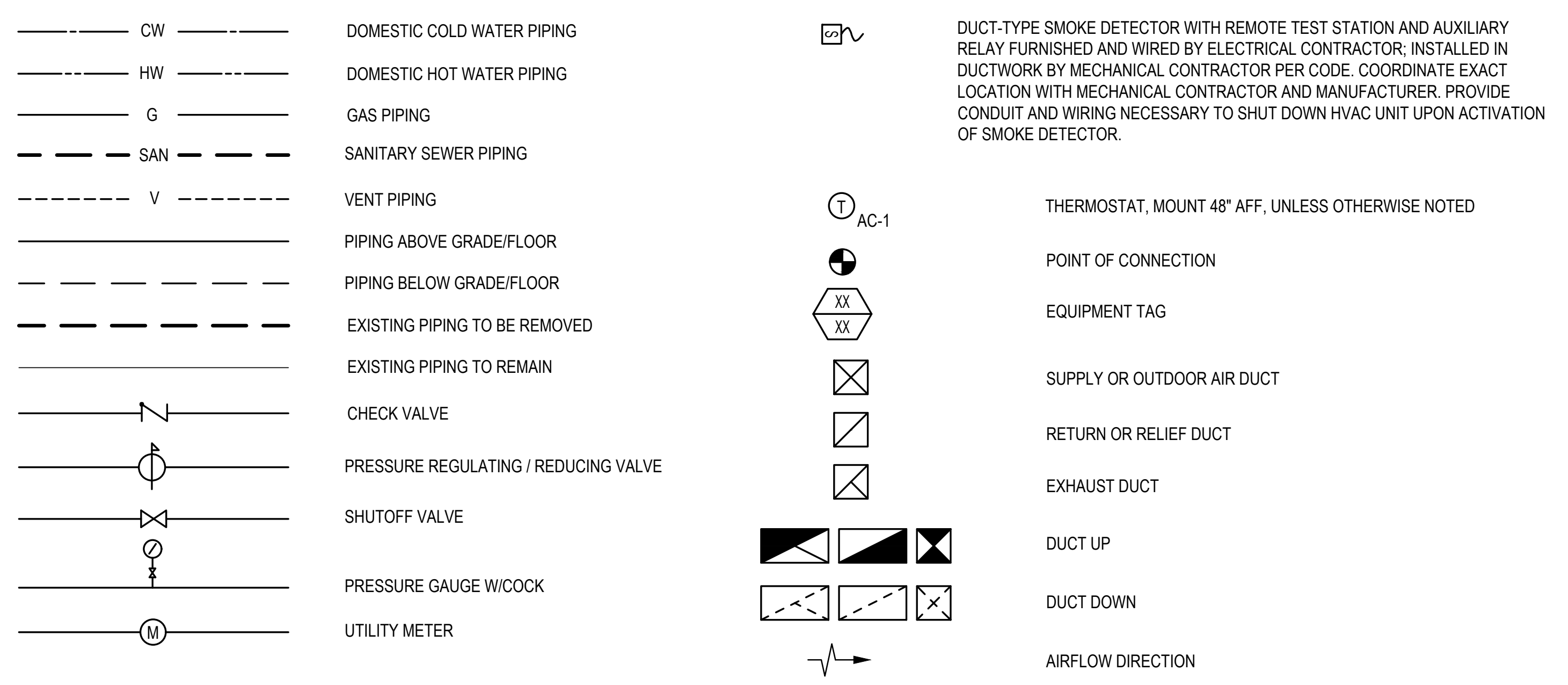
23. All asbestos removal will be handled by the owner and is not a part of this work.

24. Use of explosives shall not be permitted.

25. Existing architectural, mechanical and electrical equipment and systems shall be protected from damage resulting from demolition.

26. Contractor shall submit a proposed deconstruction sequence to the owner and architect for review prior to commencement of work.

## LEGEND



| | |
|---|---|
| CW | DOMESTIC COLD WATER PIPING |
| HW | DOMESTIC HOT WATER PIPING |
| G | GAS PIPING |
| SAN | SANITARY SEWER PIPING |
| V | VENT PIPING |
| | PIPING ABOVE GRADE/FLOOR |
| | PIPING BELOW GRADE/FLOOR |
| | EXISTING PIPING TO BE REMOVED |
| | EXISTING PIPING TO REMAIN |
| | CHECK VALVE |
| | PRESSURE REGULATING / REDUCING VALVE |
| | SHUTOFF VALVE |
| | PRESSURE GAUGE W/COCK |
| M | UTILITY METER |
| | DUCT-TYPE SMOKE DETECTOR WITH REMOTE TEST STATION AND AUXILIARY RELAY FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR; INSTALLED IN DUCTWORK BY MECHANICAL CONTRACTOR PER CODE. COORDINATE EXACT LOCATION WITH MECHANICAL CONTRACTOR AND MANUFACTURER. PROVIDE CONDUIT AND WIRING NECESSARY TO SHUT DOWN HVAC UNIT UPON ACTIVATION OF SMOKE DETECTOR. |
| T AC-1 | THERMOSTAT, MOUNT 48" AFF, UNLESS OTHERWISE NOTED |
| | POINT OF CONNECTION |
| XX<br>XX | EQUIPMENT TAG |
| ☒ | SUPPLY OR OUTDOOR AIR DUCT |
| | RETURN OR RELIEF DUCT |
| | EXHAUST DUCT |
| | DUCT UP |
| | DUCT DOWN |
| | AIRFLOW DIRECTION |

## SHOP DRAWING SCHEDULE

| SUBMITTAL | NOTES ON SUBMISSION | RESPONSIBLE PARTY |
|---|---|---|
| MEP COORDINATION DRAWINGS – SHEETMETAL<br>HVAC EQUIPMENT<br>PLUMBING PIPING<br>SPRINKLER PIPING<br>CONDUIT, PANELS & J-BOXES<br>CRITICAL STRUCTURAL ELEMENTS | DRAWN TO SCALE, SHOWING AT MINIMUM ELEVATIONS, ACCESS AND SERVICE CLEARANCES, STRUCTURAL AND ELECTRICAL (LIGHTING AND CONDUIT) MEMBERS FOR COORDINATION, ACCESS PANELS AND ANY POTENTIAL COORDINATION ISSUES THAT NEED TO BE ADDRESSED. | MECHANICAL CONTRACTOR<br>ELECTRICAL CONTRACTOR<br>PLUMBING CONTRACTOR<br>SPRINKLER CONTRACTOR<br>GENERAL CONTRACTOR |
| MECHANICAL EQUIPMENT | MARKED WITH EQUIPMENT TAGS AND NOTE ALL REQUIRED OPERATING CHARACTERISTICS, DIMENSIONS, AND SERVICE CLEARANCES FOR EACH ITEM. | MECHANICAL CONTRACTOR |
| PLUMBING FIXTURES AND EQUIPMENT | TO BE SUBMITTED IN ONE COMBINED PACKAGE (NOT INDIVIDUAL FIXTURE COMPONENTS) WITH FIXTURES INDIVIDUALLY LABELED AS INDICATED IN THE DRAWING DOCUMENTS. | PLUMBING CONTRACTOR |
| PLUMBING PIPING AND INSULATION MATERIALS | MARKED WITH EQUIPMENT OR FIXTURE TAGS AND APPLICABLE SPECIFICATION FOR REFERENCE. PROVIDE INSULATION THICKNESS. | PLUMBING CONTRACTOR |
| SPRINKLER SHOP DRAWINGS | DRAWN TO SCALE, SHOWING AT MINIMUM ELEVATIONS WITH ALL HEAD LOCATIONS AND TYPES NOTED. PROVIDE HYDRAULIC CALCULATIONS FOR REVIEW. | SPRINKLER CONTRACTOR |

NOTES:

1. PREPARE SUBMITTALS AS PDF PACKAGE, INCORPORATING COMPLETE INFORMATION INTO EACH PDF FILE. NAME PDF FILE WITH SUBMITTAL NUMBER. ALL SUBMITTALS FOR A GROUP OF FIXTURES SHALL BE PROVIDED IN A SINGLE REVIEWABLE DOCUMENT, NOT MULTIPLE PACKAGES, FOR REVIEW.
2. EACH SUBMITTAL SHALL BE PROVIDED WITH A COVER IDENTIFYING THE FOLLOWING:
    a. NAME OF THE JOB
    b. LOCATION OF THE JOB, ADDRESS, CITY AND STATE.
    c. NAME AND ADDRESS OF THE COMPANY ISSUING THE SUBMITTAL.
    d. DATE OF THE SUBMITTAL
    e. GENERAL CONTRACTOR'S REVIEW AND APPROVAL STAMP
3. SHOP DRAWINGS WILL NOT BE REVIEWED BY THE ENGINEER UNLESS THE GC'S APPROVAL IS NOTED AND COVER SHEET WITH ITEMS INDICATED ABOVE ARE COMPLETE. CATALOG CUT SHEETS THAT DO NOT IDENTIFY SPECIAL ITEMS WILL NOT BE REVIEWED. DO NOT START WORK OR FABRICATION UNTIL SHOP DRAWINGS HAVE BEEN REVIEWED BY THE ENGINEER AND RETURNED TO THE CONTRACTOR.
4. THE CONTRACTOR IS RESPONSIBLE TO HIGHLIGHT (IN BOLD TEXT OR HIGHLIGHTED COLOR) TO THE DESIGN TEAM ANY DIFFERENCES IN PERFORMANCE, DIMENSION, WEIGHT, POWER REQUIREMENTS, ACCESS ETC. BETWEEN THE BASIS OF DESIGN OR SCHEDULED EQUIPMENT AND THE SUBMITTED EQUIPMENT.
5. SUBMITTALS WILL BE REVIEWED ONLY FOR GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS AND NOT FOR DIMENSIONS, SERVICE, ACCESS OR QUANTITIES. THE DESIGN TEAM WILL MAKE EVERY EFFORT TO DETECT AND NOTE ERRORS, OMISSIONS, AND/OR INACCURACIES IN SUBMITTED SHOP DRAWINGS, BUT THE FAILURE TO DETECT ERRORS, OMISSIONS, AND/OR INACCURACIES SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR THE PROPER AND COMPLETE PERFORMANCE, APPLICATION AND INSTALLATION IN ACCORDANCE WITH THE INTENT OF THE CONTRACT DOCUMENTS. THE SUBMITTAL REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR PURCHASE OF ANY ITEM IN FULL COMPLIANCE WITH THE CONTRACT DOCUMENTS OR ITS COMPLETE AND PROPER INSTALLATION AND PERFORMANCE.
6. EACH CONTRACTOR MUST CHECK THE APPLICATION OF THEIR SUBMITTED EQUIPMENT AND CERTIFY AT TIME OF SHOP DRAWING SUBMITTAL THAT THE EQUIPMENT OR PRODUCT SPECIFIED HAS BEEN PROPERLY APPLIED AND CAN BE INSTALLED, SERVICED, AND MAINTAINED WHERE INDICATED ON THE DRAWINGS. ADVISE THE ENGINEER IN WRITING WITH SUBMITTAL DRAWINGS OF ANY POTENTIAL PROBLEMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY FIELD CHANGES THAT MIGHT BE NECESSARY BECAUSE OF PHYSICAL CHARACTERISTICS OF EQUIPMENT THAT HAVE NOT BEEN CALLED TO THE ENGINEER'S ATTENTION AT THE TIME OF SUBMITTAL.
7. IF SUBSTITUTIONS ARE SUBMITTED, NOTIFY ALL OTHER CONTRACTORS, SUBCONTRACTORS, ETC., AFFECTED BY THE SUBSTITUTION AND FULLY COORDINATE WITH THEM. ANY ADDITIONAL COSTS RESULTING FROM SUBSTITUTION, WHETHER BY THIS CONTRACTOR OR OTHERS, SHALL BE THE RESPONSIBILITY OF AND PAID FOR BY THE SUBSTITUTING CONTRACTOR. SUBMITTED AND REVIEWED SHOP DRAWINGS DO NOT ABSOLVE THIS CONTRACTOR FROM THIS RESPONSIBILITY.

# Riverside Market

New Orleans, LA

**CREATE**
ARCHITECTURE PLANNING & DESIGN PLLC

45 West 34th Street
Penthouse
New York, NY 10001

Phone: (212) 297-0880
createworldwide.com

Owner / Developer:
Aub Properties Inc.
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
Richfield, OH 44286

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STATE OF LOUISIANA
NATHANIEL J.
License No. 392[illegible]
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

9/8/26

MECHANICAL
GENERAL NOTES

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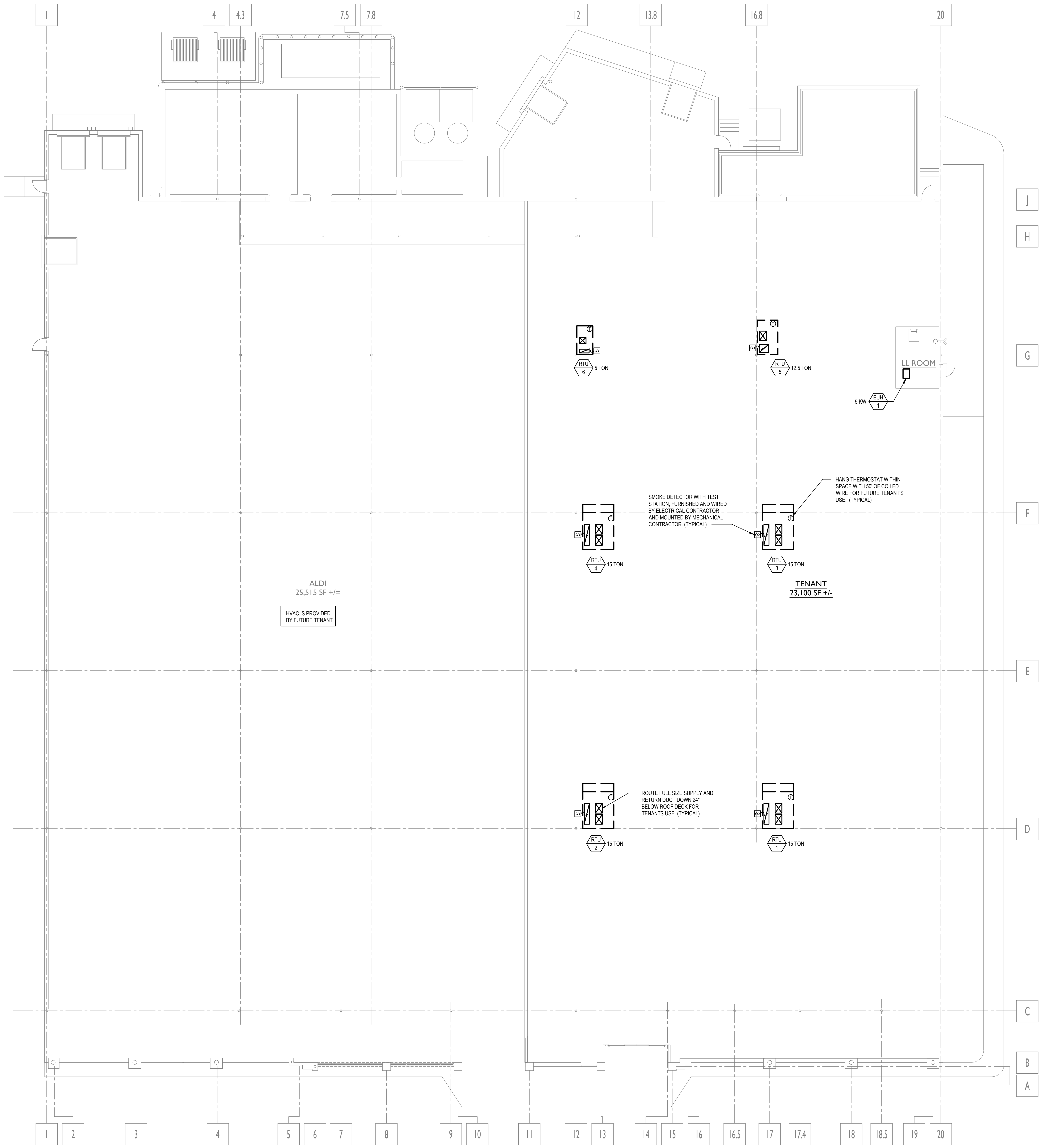

HVAC IS PROVIDED
BY FUTURE TENANT

SMOKE DETECTOR WITH TEST STATION, FURNISHED AND WIRED BY ELECTRICAL CONTRACTOR AND MOUNTED BY MECHANICAL CONTRACTOR. (TYPICAL)

HANG THERMOSTAT WITHIN SPACE WITH 50' OF COILED WIRE FOR FUTURE TENANT'S USE. (TYPICAL)

ROUTE FULL SIZE SUPPLY AND RETURN DUCT DOWN 24" BELOW ROOF DECK FOR TENANTS USE. (TYPICAL)

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## MECHANICAL PLAN

SCALE: 3/32" = 1'-0"

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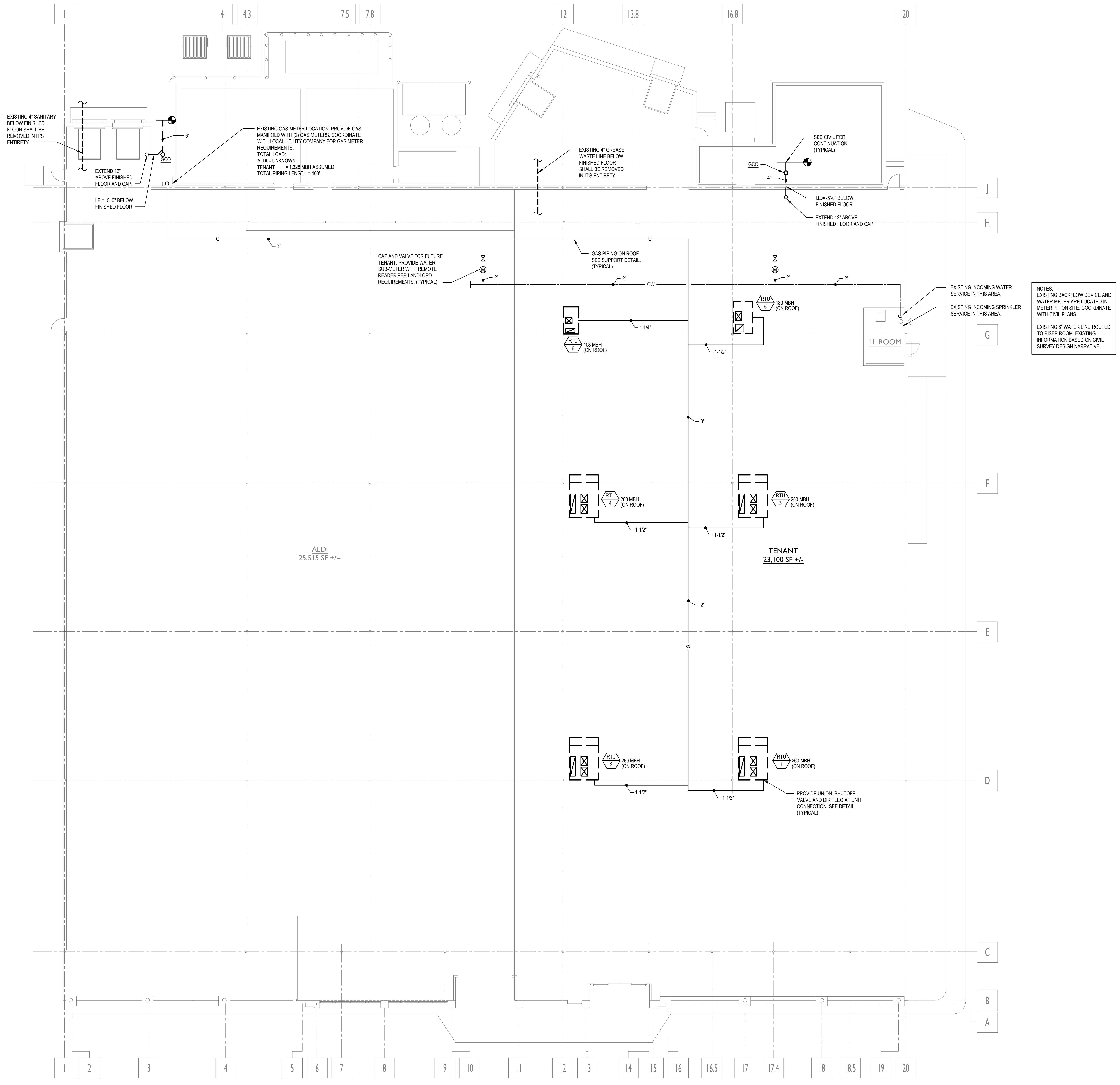
NATHANIEL J.
9/8/26

MECHANICAL
PLAN

2525A M-101


1
4
4.3
7.5
7.8
12
13.8
16.8
20
EXISTING 4" SANITARY BELOW FINISHED FLOOR SHALL BE REMOVED IN IT'S ENTIRETY.
6"
GCO
EXTEND 12" ABOVE FINISHED FLOOR AND CAP.
I.E.= -5'-0" BELOW FINISHED FLOOR.
EXISTING GAS METER LOCATION. PROVIDE GAS MANIFOLD WITH (2) GAS METERS. COORDINATE WITH LOCAL UTILITY COMPANY FOR GAS METER REQUIREMENTS.
TOTAL LOAD:
ALDI = UNKNOWN
TENANT = 1,328 MBH ASSUMED
TOTAL PIPING LENGTH = 400'
EXISTING 4" GREASE WASTE LINE BELOW FINISHED FLOOR SHALL BE REMOVED IN IT'S ENTIRETY.
SEE CIVIL FOR CONTINUATION. (TYPICAL)
GCO
4"
I.E.= -5'-0" BELOW FINISHED FLOOR.
EXTEND 12" ABOVE FINISHED FLOOR AND CAP.
J
H
G
3"
G
GAS PIPING ON ROOF. SEE SUPPORT DETAIL. (TYPICAL)
CAP AND VALVE FOR FUTURE TENANT. PROVIDE WATER SUB-METER WITH REMOTE READER PER LANDLORD REQUIREMENTS. (TYPICAL)
M
2"
2"
CW
M
2"
2"
EXISTING INCOMING WATER SERVICE IN THIS AREA.
EXISTING INCOMING SPRINKLER SERVICE IN THIS AREA.
NOTES:
EXISTING BACKFLOW DEVICE AND WATER METER ARE LOCATED IN METER PIT ON SITE. COORDINATE WITH CIVIL PLANS.
EXISTING 6" WATER LINE ROUTED TO RISER ROOM. EXISTING INFORMATION BASED ON CIVIL SURVEY DESIGN NARRATIVE.
RTU 5 180 MBH (ON ROOF)
1-1/4"
RTU 6 108 MBH (ON ROOF)
1-1/2"
LL ROOM
G
3"
F
RTU 4 260 MBH (ON ROOF)
RTU 3 260 MBH (ON ROOF)
1-1/2"
1-1/2"
ALDI
25,515 SF +/=
TENANT
23,100 SF +/-
2"
E
G
RTU 2 260 MBH (ON ROOF)
RTU 1 260 MBH (ON ROOF)
D
1-1/2"
1-1/2"
PROVIDE UNION, SHUTOFF VALVE AND DIRT LEG AT UNIT CONNECTION. SEE DETAIL. (TYPICAL)
C
B
A
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
16.5
17
17.4
18
18.5
19
20

N

PLUMBING PLAN
SCALE: 3/32" = 1'-0"

## GENERAL NOTES: (FIRE PROTECTION)

A. FIRE PROTECTION PLANS ARE DIAGRAMMATIC AND INDICATE THE GENERAL EXTENT OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION AND PROPER INSTALLATION OF ALL FIRE PROTECTION SYSTEMS.

B. THE CONTRACTOR SHALL PROVIDE ALL MISCELLANEOUS SUPPORTING STEEL ETC. FOR THE PROPER INSTALLATION OF ALL FIRE PROTECTION SYSTEMS.

C. THE CONTRACTOR SHALL COORDINATE FLOOR, WALL AND ROOF PENETRATIONS WITH THE GENERAL TRADES CONTRACTOR.

D. PIPING SHALL NOT BE LOCATED OVER THE TOP OF ANY ELECTRICAL PANELS OR EQUIPMENT.

E. THE CONTRACTOR SHALL PROVIDE TURNED UP SPRINKLER HEADS AS REQUIRED PER CODE. REUSE EXISTING HEADS AND PIPING IF APPLICABLE. TENANTS ARE RESPONSIBLE FOR MODIFYING SYSTEM PER THEIR TENANT CONSTRUCTION DRAWINGS.

F. A LICENSED FIRE PROTECTION CONTRACTOR SHALL PREPARE SUBMITTAL DRAWINGS AND HYDRAULIC CALCULATIONS FOR EACH TENANT SPACE BASED ON THAT TENANT'S REQUIREMENTS FOR DESIGN DENSITY, OWNER'S INSURANCE UNDERWRITER, BUILDING DEPARTMENT AND/OR LOCAL FIRE AUTHORITY REQUIREMENTS, WHICHEVER IS MOST STRINGENT.

G. IT IS THE FIRE PROTECTION CONTRACTOR'S RESPONSIBILITY TO VERIFY EACH TENANT'S DESIGN DENSITY WITH AGREED UPON LEASE DOCUMENTATION AND THAT TENANT'S PROTOTYPE OR INSURANCE UNDERWRITERS REQUIREMENTS.

H. SHOP DRAWING REVIEW DOES NOT RELIEVE FIRE PROTECTION CONTRACTOR FROM RESPONSIBILITY TO MEET EACH TENANT'S REQUIREMENTS FOR SPRINKLER COVERAGE.

I. FIRE PROTECTION CONTRACTOR IS RESPONSIBLE FOR VERIFYING ANY HIGH PILE STORAGE REQUIREMENTS OF FUTURE TENANTS AND PROVIDING AN INCOMING SPRINKLER SERVICE SIZE AND RISERS TO MEET THE REQUIREMENTS FOR ADEQUATE SPRINKLER COVERAGE.

J. FIRE PROTECTION INFORMATION IS FOR REFERENCE ONLY. FIRE PROTECTION CONTRACTOR FOR THIS PROJECT SHALL PROVIDE FULLY DETAILED SPRINKLER PLANS AND CALCULATIONS.

EXISTING SPRINKLER SYSTEM SHALL BE REWORKED TO PROVIDE DEDICATED ZONE FOR EACH INDIVIDUAL TENANT SPACE. FIRE PROTECTION CONTRACTOR SHALL REUSE EXISTING MAINS AND BRANCH PIPING WITHIN TENANT SPACES AS APPLICABLE. CUT AND CAP EXISTING BRANCH LINES AT TENANTS DEMISING WALLS, RE-FEED EXISTING BRANCH LINES WITH DEDICATED TENANTS MAIN FROM THE EXISTING RISER(S), AND PROVIDE DEDICATED CONTROL VALVE WITH FLOW/TAMPER DEVICE FOR EACH INDIVIDUAL TENANT SPACE. FIRE PROTECTION CONTRACTOR SHALL PERFORM HYDRAULIC CALCULATIONS FOR EACH TENANT SPACE BASED ON THAT TENANT'S DENSITY REQUIREMENTS AND DETERMINE IF EXISTING PIPING CAN BE REUSED.

CONTRACTOR SHALL PROVIDE BRASS UPRIGHT SPRINKLERS TO PROVIDE A FULLY CODE COMPLIANT SPRINKLER SYSTEM. ADD/RELOCATE SPRINKLER HEADS AROUND ANY NEW FULL HEIGHT PARTITIONS OR OBSTRUCTIONS TO MEET SPACING REQUIREMENTS OF NFPA 13. SPRINKLER HEADS SHALL BE A MINIMUM DISTANCE OF 6'-0" APART. FIRE PROTECTION CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID.

# Riverside Market

New Orleans, LA

**CREATE**
ARCHITECTURE PLANNING & DESIGN PLLC

45 West 34th Street
Penthouse
New York, NY 10001

Phone: (212) 297-0880
createworldwide.com

Owner / Developer:
**Aub Properties Inc.**
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
**Thorson Baker + Associates**
3030 W. Streetsboro
Richfield, OH 44286

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NATHANIEL J.
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING
9/8/26

PLUMBING
PLAN

2525A M-201

## ROOFTOP AIR CONDITION UNIT SCHEDULE (GAS FIRED)

| MARK | MANUFACTURER | MODEL | NOMINAL TONS | SUPPLY AIR (CFM) | MINIMUM OUTDOOR AIR (CFM) | EXTERNAL STATIC PRESSURE ("WC) | HP | HEATING INPUT / OUTPUT (MBH) | GAS MIN / MAX OPERATING PRESSURE ("WC) | NO. OF HEATING STAGES | TOTAL COOLING CAPACITY (MBH) | SENSIBLE COOLING CAPACITY (MBH) | No. OF COOLING STAGES | REFRIGERANT TYPE | EER / IEER | COOLING EAT DB/WB (°F) | COOLING LAT DB/WB (°F) | ELECTRICAL |  |  |  | OPERATING WEIGHT (LBS) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | MCA | MOCP | VOLT. | PH. |  |  |
| RTU-1 | LENNOX | LGT180H5M | 15 | 6000 | BY TENANT | 1.0 | 5 | 260 / 211 | 4.5 / 14.0 | 2 | 180 | 135 | 3 | R454 | 12.0 / 15.4 | 80 / 67 | 55 / 54 | 76 | 90 | 208 | 3 | 3000 | 1,2,3,4,5,6,7,8,9 |
| RTU-2 | LENNOX | LGT180H5M | 15 | 6000 | BY TENANT | 1.0 | 5 | 260 / 211 | 4.5 / 14.0 | 2 | 180 | 135 | 3 | R454 | 12.0 / 15.4 | 80 / 67 | 55 / 54 | 76 | 90 | 208 | 3 | 3000 | 1,2,3,4,5,6,7,8,9 |
| RTU-3 | LENNOX | LGT180H5M | 15 | 6000 | BY TENANT | 1.0 | 5 | 260 / 211 | 4.5 / 14.0 | 2 | 180 | 135 | 3 | R454 | 12.0 / 15.4 | 80 / 67 | 55 / 54 | 76 | 90 | 208 | 3 | 3000 | 1,2,3,4,5,6,7,8,9 |
| RTU-4 | LENNOX | LGT180H5M | 15 | 6000 | BY TENANT | 1.0 | 5 | 260 / 211 | 4.5 / 14.0 | 2 | 180 | 135 | 3 | R454 | 12.0 / 15.4 | 80 / 67 | 55 / 54 | 76 | 90 | 208 | 3 | 3000 | 1,2,3,4,5,6,7,8,9 |
| RTU-5 | LENNOX | LGT150H5E | 12.5 | 5000 | BY TENANT | 1.0 | 3.75 | 180 / 146 | 4.5 / 14.0 | 2 | 150 | 112 | 2 | R454 | 10.8 / 15.4 | 80 / 67 | 55 / 54 | 64 | 80 | 208 | 3 | 1600 | 1,2,3,4,5,6,7,8,9 |
| RTU-6 | LENNOX | LGT060H5E | 5 | 2000 | BY TENANT | 1.0 | 1 | 108 / 87 | 4.5 / 14.0 | 2 | 60 | 45 | 2 | R454 | 12.5 / 16.4 | 80 / 67 | 55 / 54 | 29 | 40 | 208 | 3 | 1200 | 1,2,3,4,5,6,7,8,9 |

REMARKS:

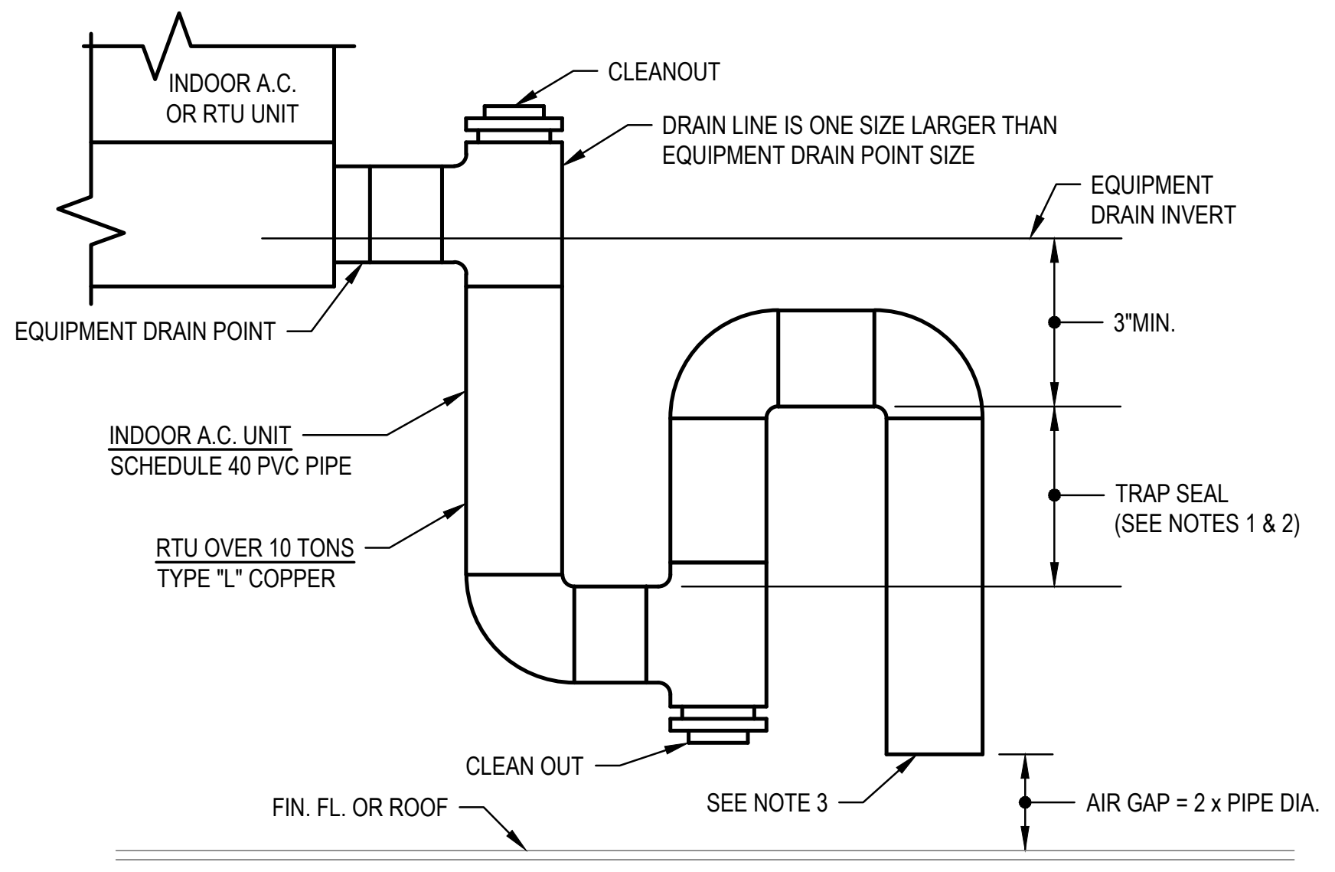
1. PROVIDE WITH SINGLE POINT POWER CONNECTION AND DISCONNECT.
2. PROVIDE WITH ENTHALPY ECONOMIZER WITH POWERED EXHAUST.
3. PROVIDE WITH CONDENSER HAIL GUARD.
4. PROVIDE WITH MINIMUM 14" HIGH INSULATED ROOF CURB
5. PROVIDE WITH UN-POWERED CONVENIENCE OUTLET (120/1Ø).
6. PROVIDE WITH HOT GAS REHEAT AND RETURN AIR HUMIDITY SENSOR.
7. PROVIDE WITH CONDENSATE OVERFLOW SWITCH.
8. PROVIDE WITH PROGRAMMABLE THERMOSTAT.
9. PROVIDE WITH REFRIGERANT LEAK DETECTION.

## ELECTRIC UNIT HEATER SCHEDULE

| MARK | MANUFACTURER | MODEL | FAN CFM | FAN HP | HEATING CAPACITY (KW) | ELECTRICAL |  | REMARKS |
|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  | VOLT | PH. |  |
| EUH-1 | QMARK | MUH05-81 | 350 | 1/100 | 5 | 208 | 3 | 1,2 |

REMARKS:

1. ACCEPTABLE MANUFACTURERS: BERKO, BRASCH, CHROMALOX, INDEECO, MARKEL, Q-MARK, OR TRANE.
2. PROVIDE WITH INTEGRAL THERMOSTAT, DISCONNECT SWITCH, MOUNTING KIT.

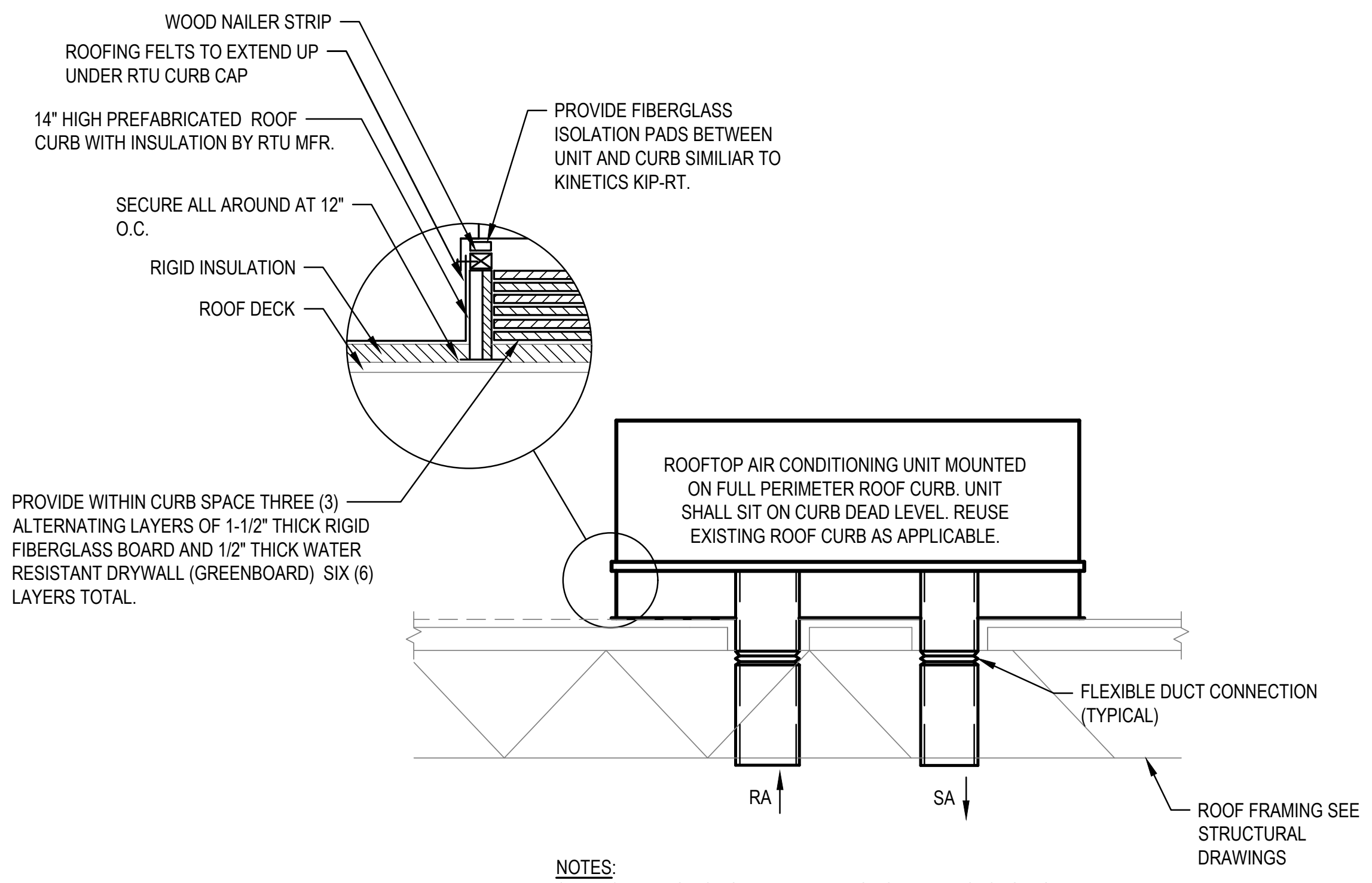


NOTES:

1. FOR DRAINS ON SUCTION SIDE OF FAN USE 3"MIN. TRAP SEAL OR MAX. FAN SUCTION PRESSURE PLUS 1" WHICHEVER IS GREATER.
2. FOR DRAINS ON DISCHARGE SIDE OF FAN USE 6"MIN. TRAP SEAL OR MAX. FAN DISCHARGE PRESSURE PLUS 1" WHICHEVER IS GREATER.
3. DISCHARGE TO NEAREST ROOF DRAIN OR TO AN APPROVED LOCATION.

### CONDENSATE DRAIN DETAIL

N.T.S.


WOOD NAILER STRIP
ROOFING FELTS TO EXTEND UP
UNDER RTU CURB CAP
14" HIGH PREFABRICATED ROOF
CURB WITH INSULATION BY RTU MFR.
PROVIDE FIBERGLASS
ISOLATION PADS BETWEEN
UNIT AND CURB SIMILIAR TO
KINETICS KIP-RT.
SECURE ALL AROUND AT 12"
O.C.
RIGID INSULATION
ROOF DECK
PROVIDE WITHIN CURB SPACE THREE (3)
ALTERNATING LAYERS OF 1-1/2" THICK RIGID
FIBERGLASS BOARD AND 1/2" THICK WATER
RESISTANT DRYWALL (GREENBOARD) SIX (6)
LAYERS TOTAL.
ROOFTOP AIR CONDITIONING UNIT MOUNTED
ON FULL PERIMETER ROOF CURB. UNIT
SHALL SIT ON CURB DEAD LEVEL. REUSE
EXISTING ROOF CURB AS APPLICABLE.
FLEXIBLE DUCT CONNECTION
(TYPICAL)
RA
SA
ROOF FRAMING SEE
STRUCTURAL
DRAWINGS

NOTES:

1. FOR UNITS NOT SUPPLIED WITH SMOKE DETECTORS INSTALL SMOKE DETECTORS, PROVIDED BY THE ELECTRICAL CONTRACTOR, IN DUCTWORK WHERE INDICATED ON PLANS.
2. PROVIDE 1" ACOUSTICAL DUCT LINING IN SUPPLY AND RETURN DUCTS FROM UNIT CONNECTION TO POINTS INDICATED ON PLANS.
3. TRANSITION SUPPLY AND RETURN UNIT CONNECTIONS TO SIZES INDICATED ON PLANS.

### ROOFTOP UNIT INSTALLATION

N.T.S.

## PLUMBING FIXTURE CONNECTION SCHEDULE

| MARK | FIXTURE | MANUFACTURER | MODEL | C.W. | H.W. | SAN | VENT | DESCRIPTION |
|---|---|---|---|---|---|---|---|---|
| GCO | CLEANOUT | J.R. SMITH | 4250 | - | - | SEE PLANS | SEE PLANS | DUCO CAST IRON CLEANOUT AND DOUBLE FLANGED HOUSING WITH HEAVY DUTY SECURED SCORIATED CAST IRON COVER WITH LIFTING DEVICE. |

NATURAL GAS PIPING RECOMMENDED SUPPORT SPACING FOR BLACK STEEL PIPE

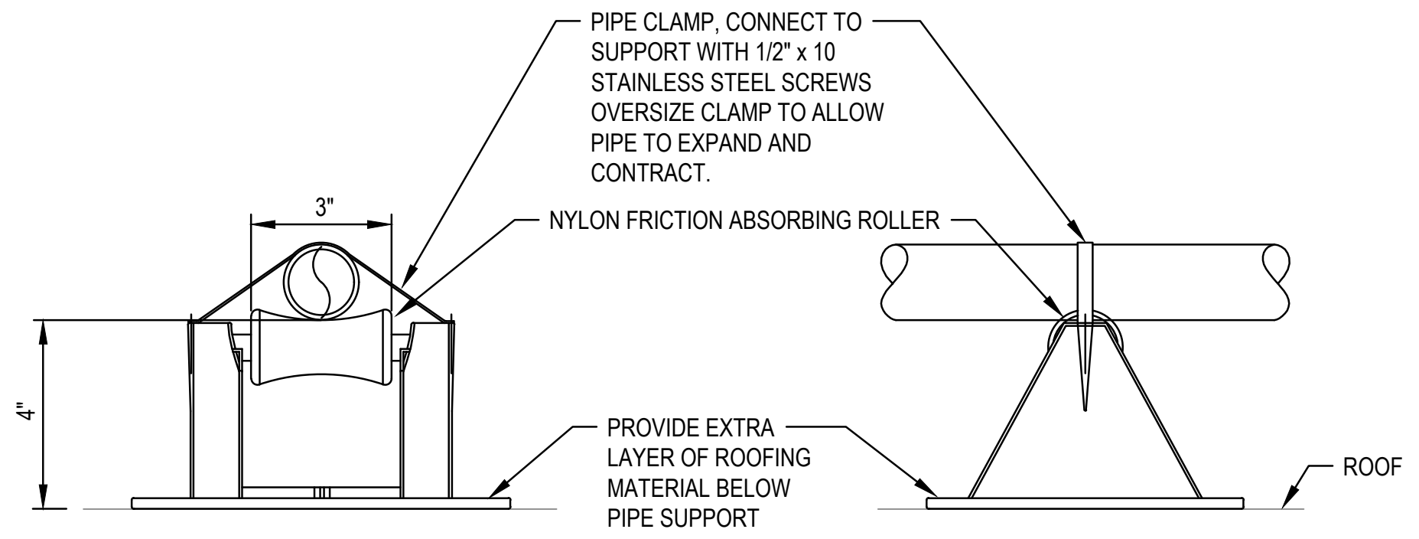
| PIPE SIZE (IN) | DISTANCE BETWEEN SUPPORTS (FT) |
|---|---|
| 1/2 | 4 |
| 3/4 - 1 | 6 |
| 1-1/4 - 3 | 7 |

GAS PIPE, CLEAN PIPE OF OIL AND DEBRIS, PAINT WITH TWO COATS OF PRIMER AND TWO COATS OF RUST INHIBITING PAINT. COLOR: YELLOW OR BY ARCHITECT.

CONDENSATE PIPING RECOMMENDED SUPPORT SPACING FOR TYPE "L" COPPER PIPE

| PIPE SIZE (IN) | DISTANCE BETWEEN SUPPORTS (FT) |
|---|---|
| 1-1/4 AND SMALLER | 5 |
| 1-1/2 - 3" | 7 |

ROOF PIPE SUPPORT AS MANUFACTURED BY MIRO INDUSTRIES, "PILLOW BLOCK" PIPE STAND. MODEL #3-R-4 STAND WILL ACCOMODATE PIPE UP TO 3" IN DIAMETER. FOR INFO: 1-800-768-6978.



### PIPE ROOF SUPPORT DETAIL

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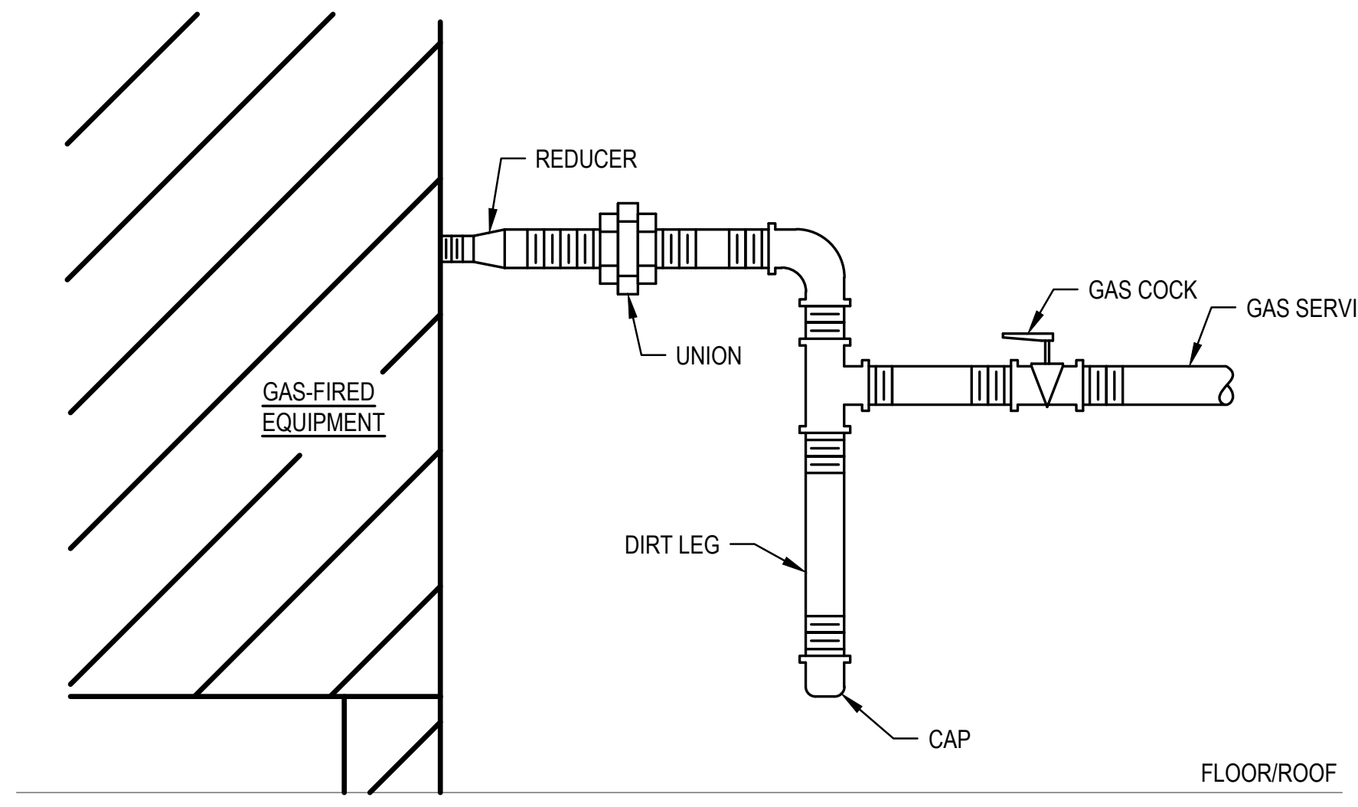

### GAS PIPING CONNECTION DETAIL

N.T.S.

Riverside Market

New Orleans, LA

CREATE
ARCHITECTURE PLANNING & DESIGN PLLC

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Owner / Developer:
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50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
Richfield, OH 44286

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NATHANIEL J. [illegible]
License No. 392[illegible]1
PROFESSIONAL ENGINEER
IN
MECHANICAL ENGINEERING

9/8/26

MECHANICAL DETAILS
& SCHEDULES

2525A M-301

## SECTION 200500 - GENERAL REQUIREMENTS

### PART 1 GENERAL

### 1.01 SECTION INCLUDES

A. Specifications are applicable to all contractors and/or subcontractors for all mechanical systems in Divisions 01, 20, 21, 22, and 23.

B. This contractor is also referred to the architectural, structural, electrical, and all other drawings and specifications pertinent to this project and fully coordinate with all other trades, owner, and architect requirements. All of the above mentioned drawings and specifications are considered a part of the contract documents.

C. Conform to all Instructions to Bidders, general and special conditions of contract as specified by architect and/or owner.

D. Refer to "Alternate Proposals" for possible changes affecting the extent of this section of work.

E. Before submitting a bid, each contractor is requested to visit the job site to familiarize themselves with construction condition, check facilities and conditions, and make all necessary observations and measurements. Note conditions under which work is to be performed and take all items into consideration in bid. No consideration will be given for his failure to do so.

F. Systems are to be complete and workable in all respects, placed in operation and properly adjusted.

G. Each contractor shall provide for his own clean-up, removal, and legal disposal of all rubbish daily.

H. Each contractor shall protect his work, his existing and adjacent property against weather.

I. Each contractor shall protect his work, materials, apparatus, and fixtures from damage. Any work damaged by failure to provide protection required, shall be removed and replaced with new material at the contractor's expense.

J. Each contractor must confirm all utility company requirements and connection points in field, prior to starting work. Each contractor shall include cost of utility companies work in their bid.

K. Each contractor must confirm size, location, and materials at point of tie in connections in the field prior to rough-in of new work.

L. Arrange for and obtain owner's and insurance representative's permission for any service shutdowns.

M. Each contractor shall be solely responsible for construction means, methods, sequences of construction, and the safety of workmen.

N. No piping, ductwork, wiring, etc. shall be installed, routed above, or below electrical panels and equipment, through elevator equipment rooms, elevator shafts, or stairways unless these items serve these areas only.

O. All contractors shall coordinate with the electrical contractor and obtain a written approval identifying the electrical characteristics of all mechanical equipment prior to ordering of equipment. No additional payment will be made for lack of contractor coordination of electrical characteristics.

P. Each contractor shall include modifying existing conditions to complete the project. During construction the contractors may uncover an existing condition that will have to be modified. Any such work which comes under the jurisdiction of this contractor shall be done by this contractor without extra cost to the owner and project.

Q. Work related to the existing building shall be coordinated to minimize interference or interruption of normal building use by the owner. Refer to architectural plans for phasing requirements.

### 1.02 WORK COORDINATION AND SCOPE

A. Each contractor under this division shall familiarize themselves with the work to be done under other divisions of this specification and their related drawings and shall so coordinate and schedule his work as not to cause delays or interference with the work of others. Such coordination and scheduling shall accomplish the installation of fire protection, mechanical, plumbing and electrical equipment, piping, conduit, wiring and devises with a minimum of cutting through masonry and other adjustments.

B. Work included under this division shall consist of furnishing coordination drawings organized, drawn and signed off by all divisions of this specification and related drawings, all materials, supplies, equipment, tools, transportation and facilities and performing all labor and services necessary for the complete installation of the mechanical systems of plumbing, fire protection, heating, ventilating, air conditioning, and specialty systems.

C. The contractor under this division shall report discrepancies in the work of others, which affect his work. Any changes made necessary by failure or neglect to report such discrepancies shall be made by and at the expense of the contractor of this division. Obtain written instructions for changes necessary to accommodate work of others.

D. The contractor under this division shall be responsible for proper size and location of anchors, chases, recesses, opening, etc., required for the proper installation of his work.

E. The division of responsibility under separate mechanical, fire protection, and plumbing contracts for tie-in points shall be as follows:

1. The plumbing contractor shall provide domestic water and gas to within five feet (5'-0") of equipment connection furnished by the mechanical or electrical contractor, final connection by mechanical or electrical contractor. On the water lines, the plumbing contractor shall provide the shut-off valve, check valve, backflow preventer, and pressure regulator. On the gas lines, the plumbing contractor shall provide the shut-off valve and pressure regulator.
2. Fire protection, plumbing, and mechanical contractor shall provide sleeves to the general contractor for placement in floors, walls, etc. and coordinate such location. The plumbing contractor shall be responsible for flashing at vent roof terminals.
3. The fire protection, plumbing and mechanical contractor shall check with the architectural drawings concerning the test borings to determine areas of rock which should be included in his excavation work. Failure to adjust for rock conditions shall not warrant cause for additional compensation.
4. The plumbing contractor shall rough-in and connect all other fixtures and equipment where shown on the drawings but not previously mentioned. Provide with shut-off valves and p-traps with clean-out plug.
5. Unless responsibility to provide is otherwise stated on the electrical or mechanical drawings and specifications the contractor, shall provide motors, special controls, disconnects, circuit breakers, transformers, starters and relays as required for the proper operation of all equipment furnished under this division. All electrical equipment shall conform to requirements set forth under the electrical division and be suitable for operation on voltage and current available at the site.

F. Each contractor shall provide OSHA approved handrail (Guard) system for all roof mounted equipment within 10'– 0" of roof edge where the roof edge does not have a 42" high parapet or higher.

### 1.03 CODES, PERMITS, STANDARDS AND REGULATIONS

A. Contractors shall install work in full accordance with rules and regulations of all applicable codes (local, city, county, state, national codes, NFPA, OSHA, etc.), government regulations, utility company requirements, and applicable standards having jurisdiction over premises. This shall include safety requirements of the state department. Do not construe this as relieving contractor from compliance with any requirements of specifications, which are in excess of code requirements and not in conflict therewith.

B. Contractors shall secure and pay for all fees, permits, and certificates of inspection incidental to this work required by foregoing authorities. Arrange for all required inspections and approvals.

C. Contractor shall be responsible for payments to all public utilities for work performed by them in connection with provision of service connections required under this division of specifications.

D. Deliver all permits and certificates to the architect in duplicate.

### 1.04 DESIGN DRAWINGS

A. The design drawings, as submitted, are diagrammatic and are not intended to show exact location of equipment, piping, and ductwork unless dimensions are given. Piping and ductwork are to be installed along the general plans shown on the drawings while conforming to actual building conditions. Each contractor shall confirm all dimensions by field measurement.

B. Before entering into a contract, the successful bidder may be required to submit satisfactory evidence to show that the manufacturer of all parts of the equipment offered have been regularly engaged in the manufacture of such equipment for three (3) years and have not less than three (3) installations of a similar type which have been in successful operation under conditions similar to those specified for not less than two (2) years.

C. All equipment, piping and material specified herein after as shown on the drawings shall be furnished and installed by the contractor, unless specifically indicated to the contrary. Installation shall comply with all required "Building Codes" and "Reference Standards."

D. If this contractor proposes to install equipment requiring space conditions other than those as specified and/or shown on the design drawings, or to rearrange the equipment, he shall assume full responsibility and submit drawings for the rearrangement of the space and shall obtain the full approval of the architect prior to start of any work.

E. The exact locations for fixtures, equipment, and piping, which is not covered by drawings, shall be obtained from the architect or his representative in the field and the work shall be laid out accordingly.

F. Drawings and specifications are intended to supplement one another. Any materials or labor called for in one but not the other shall be furnished as if both were mentioned in the specifications and shown on the drawings.

### 1.05 BASE BID EQUIPMENT, MATERIALS AND SUBSTITUTIONS

A. All equipment and materials shall be new, free of defects and UL labeled.

B. Base bid manufacturers are included in the specification or listed in schedules on the drawings. All other manufacturers are considered substitution.

C. The name or make of any article, device, material, form of construction, fixture, etc., stated in this specification, whether or not the words "or approved equal" are used, shall be known as a "standard".

D. All cost shall be based on "standards" specified.

E. The equipment schedules on the drawings indicate manufacturer and their equipment model numbers that this design has been based on. Each contractor is required to bid upon the basis of design and furnish the makes specified.

F. Where more than one make or name are mentioned as being acceptable, it shall be understood that only the name or make referring to the manufacturers model numbers or sizes shall be considered the "Specified Standards." It shall be further understood that other makes and names, even though mentioned, have not been checked for detail and that their size and arrangement are the contractor's responsibility the same as a proposed substitute item. The use of other manufacturer's equipment that is listed as acceptable alternates that entails general trades, structural, mechanical, electrical, etc., revisions is this contractor's responsibility to provide revisions. Any additional cost of such changes shall be paid by the contractor submitting the acceptable alternates, which necessitates changes in installing such submitted alternate equipment, even though such costs may be part of another division of work.

G. Bids concerning the use of substitute products must be accompanied by complete specifications and performance characteristic covering these products. Contractor shall provide all available test data and experience records, which may be helpful to the architect in evaluating the quality and/or suitability of alternate products.

H. Contractor is also invited to bid on any other similar products the contractor desires to propose as substitutions, stating any difference in cost (add or deduct from base bid cost) for each proposed substitution on the substitution sheet. If the architect decides to accept any of the proposed substitutions, proper notations thereof shall be made in the written contract. Where several makes are mentioned in the specifications and the contractor fails to state that he prefers a particular make in his bid, the owner shall have the right to choose any of the makes mentioned without change in price. No consideration will be given to proposals for alternative products unless submitted with the original bids.

I. Substitutions are subject to the approval of the owner. If a substitution is submitted, it is the contractor's responsibility to evaluate it and certify that the substitution is equivalent in all respects to the base specifications.

J. If substitutions are approved, notify all other contractors, subcontractors, etc., affected by the substitution and fully coordinate with them. Any costs resulting from substitution, whether by this contractor or others, shall be the responsibility of and paid for by the substituting contractor. Approved shop drawings do not absolve this contractor from this responsibility.

K. All equipment shall be installed in full accordance with the manufacturer's data and installation instructions and service clearances. It is this contractor's responsibility to check and confirm these requirements prior to starting of any work.

### 1.06 WARRANTY

A. Fully warrant all materials, equipment and workmanship and the successful operation of all equipment and apparatus installed by this contractor for one (1) year from date of final acceptance.

B. Extend all manufacturers' warranties to owner; including five (5) year compressor and ten (10) year heat exchanger extended warranty on HVAC equipment to include material and labor.

C. Repair or replace without material and labor charge to the owner all items found defective during the warranty periods. In the case of replacement or repair due to failure within the warranty period, the warranty on that portion of the work shall be extended for a minimum period of one (1) year from the date of such replacement or repair.

### 1.07 RECORD DRAWINGS

A. Each contractor or subcontractor shall keep one (1) complete set of the contract drawings and equipment submittals on the job site on which he shall regularly record any deviations or changes from such contract drawings made during construction. All recording shall be done in color ink.

B. These drawings shall record the installed location of all concealed equipment, piping, electric service, sewers, wastes, vents, ducts, conduit, etc., by measure dimensions to each such item from column centerlines or readily identifiable and accessible walls or corners of the building. Plans also shall show invert elevation of sewers and top elevation of all other below-grade lines.

C. Record drawings shall be kept clean and undamaged and shall not be used for any purpose other than recording deviations from working drawings and exact locations of concealed work.

D. After the project is completed, these drawings shall be scanned to an electronic PDF format. Then PDF and hard drawings shall be delivered to the architect in good condition, as a permanent record of the installation as actually constructed.

## SECTION 200510 - BASIC MATERIALS AND METHODS

### PART 1 GENERAL

### 1.01 OVERVIEW

A. Provide all materials, labor, equipment, and accessories required to furnish and install the mechanical items identified in this section.

B. This section includes basic mechanical materials and methods to complement other division sections in this specification and requirements indicated on the mechanical drawings.

### 1.02 INTERFERENCES

A. Before installing any work, contractor shall see that it does not interfere with clearance required for finish on beams, columns, pilasters, walls, other structural, or architectural members, as shown on architectural drawings. If any work is so installed and it later develops that architectural design cannot be followed, contractor shall, at his own expense, make such changes in his work as architect may direct to permit completion of architectural work in accordance with plans and specifications.

B. Install additional offsets on piping or ductwork where required to obtain maximum headroom or to avoid conflict with other work without additional cost to owner.

C. Report any interferences between work under this division and that of any other contractors to architect as soon as they are discovered. Architect will determine which equipment shall be relocated, regardless of which was first installed, and his decision shall be final.

### 1.03 PROTECTION OF WORK AND PROPERTY

A. The contractor shall be responsible for safeguarding work, property, and facilities against damage, both his own as well as others with which he may come into contact in the performance of his work.

B. Stored materials shall be protected against damage from weather. Pipe and duct openings shall be closed with caps or plugs during installation. All fixtures and equipment shall be covered and protected against damage. Any materials or equipment damaged at any stage in the construction shall be replaced or repaired. Final completion - all work shall be in a clean and unblemished condition.

C. During construction, all return air ductwork and transfer air openings serving new and existing air handling equipment and/or adjacent tenant spaces shall be protected. Openings which need to remain active shall be covered and protected with MERV 8 filtration media; openings which can remain inactive during construction shall be covered with plastic sheathing and sealed air tight. Filter media shall be replaced regularly as required during construction in order to ensure adequate airflow through all required active openings. In addition, at the end of each phase of construction and at the end of the construction project, all filtration media within each piece of equipment serving the space shall be replaced.

### 1.04 EXCAVATION AND BACKFILL

A. Perform all excavation and backfill required for installation of below-grade piping and ductwork.

B. Excavate as required to install piping at required depth and pitch. Pipe to be laid on sand bedding to give uniform bearing along length of pipe (sand inside building and interlocking aggregate outside building).

C. Backfill with bedding material to a minimum of 12" above top of pipe and compact. Balance of backfill in outdoor grass areas shall be clean earth up to 6" above surrounding grades. Backfill below finished floors shall be sand. Backfill outdoors under paving shall be interlocking aggregate and shall be compacted in maximum 10" layers.

D. All other excavations shall be backfilled with clean earth, excluding rubbish and boulders. Backfill shall be thoroughly tamped and puddled.

E. Patch floor and paving to match existing adjacent surfaces.

F. Backfilling shall not be done until pipe lines are properly tested in the presence of the architect and/or inspection of the government agency having jurisdiction.

G. Control trench soil compaction during construction for compliance with the maximum density specified for the following areas:

1. Building slabs, walkways, roadways, or public thorough-fares; compact top 12" of subgrade and each layer of backfill for fill material at 95 percent density for cohesionless soils, and 90 percent density for cohesive soil material. Tests to be performed by an independent testing service, with the compliance report submitted to the architect.

H. Pipe shall not be laid in water. Furnish all pumping equipment, power, temporary connections, etc., and do all pumping necessary to remove ground or casual water.

I. Where trenches cross roads, walks, or public thoroughfares, provide suitable barricades and bridges adequately protected by signs or red flags during day and lights as night.

J. Repave all streets or sidewalks disturbed at this contractor's expense to recommendations, procedures and satisfaction of architect and authorities having jurisdiction.

### 1.05 SUPPORTS AND HANGERS

A. Hangers and supports are to be provided to properly support, secure and align piping, and to meet field conditions. Hangers and supports as manufactured by Grinnell, Michigan Hanger, or Caddy.

B. All hangers, brackets, clamps, etc., shall be of standard weight steel. Perforated strap hangers shall not be used in any work. When two or more pipes are run parallel, they may be supported on unistrut-type trapeze hangers. Other hangers for pipe 3" in size and smaller shall be clevis. For pipe transporting medium above 150 degrees F and 4" in size and above, use pipe roll. Each hanger is to be sized to include pipe insulation saddle for protection.

C. Where building service lines enter or leave building such as water, sewer, gas, etc., and are installed on filled earth, provide continuous support on a reinforced concrete beam furnished and installed under this division. Support beam on building and with vertical support down to foundation footing and on undisturbed earth at other end. Gas main shall enter building above grade.

D. All vertical piping passing through floors shall be supported at the floor by a riser clamp.

E. Isolate all copper lines form ferrous hangers or supports by using foil filler or vinyl tape.

F. Spacing to comply with ASHRAE standards and code requirements.

### 1.06 PIPE SLEEVES, FLOOR AND CEILING PLATES

A. All pipes passing through floors or masonry walls shall be provided with machine-cut schedule 40 pipe steel sleeves. The sleeves shall be so sized to allow at least 1/4" clearance between the inside sleeve wall and the pipe or insulation surface. Sheet metal sleeves shall not be used in this work. Pipe sleeves are to extend 2" above finished floor and sealed. Pipe sleeves are to be full wall thickness and sealed.

B. Unused sleeves shall be plugged and finished to match adjoining surface.

### 1.07 EXCUTCHEONS

A. Fit all pipe passing through walls, floors, or ceilings in finished rooms with steel or brass escutcheons. Where surface is to receive a paint finish, make escutcheons prime painted; otherwise, make escutcheons nickel or chrome plated. Where piping is insulated, fit escutcheons outside insulation.

### 1.08 PIPE IDENTIFICATION AND TAGS

A. Identify each pipe, valve, and controls in equipment rooms, above accessible ceilings and in accessible shafts.

B. Color code identification bands or marker backgrounds to identify contents of pipe with initials and direction of flow located near each valve and fitting, on both sides of pipe passing through walls and on long runs at not over 20'-0" intervals.

C. At place where pipe is to have marking, covered pipe shall be properly primed with clear lacquer. After marking is applied, coat with lacquer. Apply marking adjacent to valves and equipment at major changes in directions, where pipes pass through walls or floors.

D. All valves shall be provided with brass numbered tags attached to handle with a brass chain or ring. Wiring of tags will not be acceptable. At the completion of the work, a reproducible valve schedule shall be provided. Three (3) copies of this shall be mounted in metal, glass covered frames where requested by the architect. The schedule shall give a description of the line or equipment controlled; the normal position, emergency and/or shutdown position, and location given either by description or diagram.

### 1.09 MISCELLANEOUS STEEL

A. Furnish and install all miscellaneous steel required for supports, hangers, anchors, guides, etc., required for installation of equipment, materials furnished, and installed under this division.

### 1.10 PAINTING

A. This contractor shall perform all painting incidental to this work.

B. All insulation shall be painted at the time of installation with one coat of Benjamin Foster "Lagtone" water base paint. At the completion of the work, all such insulation shall be given an additional coat of alkyd resin paint of a color to match existing building structure or as selected by the architect.

C. All uncovered black iron pipe, fittings, iron portions of valves, hangers, structural steel, expansion tanks, cooling tower sumps and all other black iron work shall be thoroughly cleaned and given two coats of alkyd resin paint of a color to match existing building structure or as selected by the architect.

D. All uncovered exposed sheet metal shall be thoroughly cleaned and neutralized and given two (2) coats of alkyd resin paint of a color to match existing building structure or as selected by the architect.

E. All painting shall be done with a brush or roller. Spray painting will be prohibited.

F. All finishing materials, thinners, etc., shall be the best quality, first line materials as manufactured by:

1. E.I. Dupont De Nemours and Company
2. Pratt and Lambert, Inc.
3. The Glidden Company
4. The Sherwin-Williams Company
5. The Pittsburgh Plate Glass Company

G. All paint materials shall be delivered to the job in the manufacturer's original unopened and labeled containers, and they shall be used strictly in accordance with the manufacturer's directions.

H. This contractor shall submit a list of materials to the architect. The list shall state the branch names of the materials that the contractor intends to use. This list shall be secured from the paint manufacturer and shall be on his stationery.

I. The architect's approval must be secured before any painting work is started.

### 1.11 OPERATING AND MAINTENANCE

A. This contractor shall furnish competent personal instruction to the owner's operating personnel for a period of two (2) days in the proper operation of the heating and air conditioning equipment. He shall also supply the owner with copies of an operation manual containing the following:

1. Step-by-step procedures for start-up and shut-down for each system and piece of equipment.
2. Performance data, curves, ratings.
3. Wiring diagrams.
4. Manufacturer's descriptive literature.
5. Automatic controls with diagrams and written description of operation.
6. Manufacturer's maintenance and service manuals.
7. Plumbing fixtures.
8. Spare parts and replacement parts list for each piece of equipment.
9. Name of service agency and installer.
10. Final approved shop drawings.

### 1.12 ROOF CURBS

A. Curb shall be 18 gauge galvanized steel with continuous welded seams, wood nailer, counterflashing, R-8 minimum, and liner insulation. Top of curb shall be a minimum size as shown in detail on drawings, but not less than 14" above the high point of roof where curb attaches.

B. Provide curb for all roof penetrations of ducts and piping.

C. All cutting and patching of existing roof shall be by the owner's roofing contractor and paid for by the mechanical contractor.

D. Curb shall be installed with top level. Curb base to match roof pitch.

## SECTION 200523 - PIPING AND VALVES

### PART 1 GENERAL

### 1.01 OVERVIEW

A. Furnish all material, labor, equipment, and accessories as required to install complete fire protection, plumbing, and HVAC piping systems as indicated on drawings and in these specifications.

B. Install in full accordance with local code requirements, see other specification section for additional requirements and install in accordance to manufacturer's recommendations and requirements.

### 1.02 CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS

A. Provide valved water and/or gas connection for equipment furnished by other contractors or owner.

B. Include accessories required by code, drawings and manufacturer's installation instructions.

C. Fully coordinate with lab equipment, pool equipment, kitchen equipment, and laundry equipment suppliers. Confirm all rough-in requirements prior to starting work.

### 1.03 INSTALLATION

A. All piping shall be installed parallel with or perpendicular to the building walls. All vertical risers shall be installed plumb and straight. All piping above accessible ceilings shall be installed as high as possible and at height to allow sufficient space for ceiling panel removal.

B. All piping shall be installed with pitch in the direction of flow of not less than 1" in forty feet, except as otherwise shown. It must be possible to drain every portion of the piping system.

C. Run lines as direct as possible and avoid unnecessary offsets. However, if offsets are required in order to obtain maximum headroom or to avoid conflict with other work, they shall be made as required or as requested by the architect without addition cost to the owner. The architect reserves the right to make minor changes in the location of piping and equipment during the roughing-in, without additional cost to the owner. All changes proposed by others shall be approved by the architect.

D. Lines shall be cut accurately to measurement at the site and worked into place without springing or forcing. Sufficient offsets, pipe loops or expansion joints between anchor points shall be provided as needed, whether or not shown, to limit stresses and control movement of lines subject to the thermal expansion.

E. Before any piping is installed, it shall be up-ended and pounded to remove any foreign matter present, and shall be swabbed, if necessary, for thorough cleaning. After installation and before final connections made, all piping system shall be flushed with a material that is not injurious to either pipe or equipment. (See also "Tests and Adjustments.")

F. Pipe to be threaded shall be cut square and full threaded with clean-cut tapered threads and shall be reamed after threading. Threaded connections shall be made with pipe thread compound applied to the wall threads only.

G. The edges of pipe to be welded shall be machine beveled wherever possible. Before welding, the surfaces shall be thoroughly cleaned. The piping shall be carefully aligned. No metal shall project within the pipe. Mitered joints are prohibited. Only factory formed fittings shall be used. Elbows shall be long radius type. Flanges shall be welding neck type. Mitering of the pipe to form elbows or the notching of straight runs to form the tee connection will not be permitted.

H. Unions or companion flanges shall be installed in all connections to equipment, automatic valves, etc., as necessary to permit removal of equipment and specialties for servicing, repairing, or cleaning. It shall be possible to remove any piece of equipment by removing only one or two sections of piping.

I. Valves shall be provided in suitable locations at each item of equipment, branch circuit, riser, or section of piping as indicated or required for proper and safe operation of the system, to facilitate maintenance, and/or removal of all equipment and apparatus. On horizontal pipe runs, install all valve stems vertically up where possible and in no case shall the stems be turned more than 90 degrees from the vertically up position.

J. Drain valves shall be provided at all low points, trapped section, and on the equipment side of all branch valves to permit draining of all parts of all liquid piping systems. Drain valves shall have threaded hose ends with cap and chain. Drain piping shall be provided from pump glands, relief valves, etc., to spill at the floor over floor drains or other acceptable discharge points. The drain line shall terminate with plain, unthreaded end with a minimum 2" air gap at floor drain.

K. Taps (half couplings or tees) shall be provided as necessary to permit the installation of temperature control instruments, thermometers, pressure gauges, air vents, etc.

L. Connections between copper piping and screwed ferrous equipment connections or screwed ferrous piping systems shall be made as follows:

1. For stationary non-rotating, non-vibrating equipment connections: dielectric unions.
2. For rotating or vibrating equipment connection: cast brass adapter and bronze flanges with dielectric separation of flanges and bolts.
3. Connections between copper piping and ferrous equipment flanges or flanged ferrous piping systems shall be made using bronze companion flange with dielectric separation of flanges and bolts.
4. Brass or bronze valves in ferrous piping will not require dielectric separation.
5. Nipples between copper piping and equipment or fixture connection fittings shall be brass, not galvanized steel.

M. All pressure piping systems shall be installed to conform to the requirements of the local AHJ or state's pressure piping system code.

N. All excavations for installation of pipe shall be open trench work and shall be kept open until piping has been inspected, tested, and accepted.

O. All piping passing thru cast-in place concrete construction shall be sleeved to provide a minimum of 1/2" annular space around entire pipe to be sleeved. Space between sleeve and pipes in foundation walls shall be tightly caulked or mechanical seal to give a waterproof penetration.

P. Any piping resting on or coming in contact with building structure shall be insulated at that point to prevent telegraphing of sound.

Q. Metal piping laid in corrosive fill shall be encased in concrete or in split tile.

R. Threaded joints shall conform to American Taper Pipe Thread ASA-B2.1-1960. All burrs shall be removed, pipe ends shall be reamed or filed to size of bore and all chips removed. Pipe cement shall be used only on male threads.

S. Unions shall have metal seats for drainage systems and metal to metal ground seats on water system.

T. Furnish and install valve in branches to sill cocks, toilet rooms and other fixture groups. Plumbing fixtures shall have wheel or screwdriver stops as specified.

U. All piping shall be rigidly supported and shall not be loose or shaky.

### PART 2 PRODUCTS AND APPLICATION

### 2.01 SANITARY, WASTE, VENT AND STORM SEWERS

A. Install sewers, stacks, vents, drains, etc., as indicated on the drawings.

B. All drainage and vent piping shall be constructed and run as direct as possible, protected from contact with slag or cinders and wherever practicable, shall be located so as to be accessible for inspection. The actual runs and locations of drains, soil waste, and leader piping shall be installed as to meet with the various conditions at the building and any work necessary to conceal pipes or clear pipes of other trades shall be done as directed by the architect.

C. Sewers to be pitched a minimum of 1/4" per foot for 3" sizes and under and 1/8" per foot for 4" sizes and larger or to slope as indicated on drawings. Kitchen sanitary waste shall be sloped 1/4" per foot for all pipe sizes.

D. All piping shall be correctly aligned before joins are made. All changes of direction in drainage and vent piping shall be made by means of "Y" branches and 1/6, 1/8 or 1/16 bends. No lines shall be run with unnecessary bends or offsets and where changes in direction are unavoidable; they shall be made by use of proper fittings. Single and double sanitary tees, 1/4 bends, and 1/8 bends may be used in vertical sections when direction of flow is from horizontal to vertical. Changes in direction and branch connections shall be made with approved drainage fittings compatible with the piping system material in which it is installed.

E. Install cleanouts at base of each vertical waste and rainwater stack, each change in a direction of piping greater than 45 degrees, within 5'-0" of main sewer after exiting the building, or as shown on drawings. Cleanouts on underground lines shall extend up flush with finished floor or grade. Provide cleanouts not over 50'- 0" on center along straight runs. Cleanouts shall be size of pipe to which it is installed up to 6" in diameter. Pipe over 6" in diameter shall have a 6" cleanout.

F. Vent terminals shall be terminated at least 18" above roof. Each vent terminal shall be made water tight with the roof by using sheet copper (8 ounces PSF) with base not less than 16" diameter and collar full height of pipe or rubber boot pipe flushing. Where vents are 4" or larger, flashing may be turned over into top of pipe without gap. Furnish flashing to general contractor for building into roofing material.

G. All fixtures and sanitary drains shall be vented as indicated on drawings and in accordance with code. Vent pipes, where not vertical shall have continuous slope up to vent through roof.

H. Openings in pipes shall be properly plugged when work is not in progress

I. Sewers shall be laid with full length of each section resting on a solid bed. Where necessary to obtain a firm support, the pipe shall be bedded on select material and thoroughly tamped. As pipe is laid, care shall be exercised to keep interior of pipe clear of foreign matter. Where trenching for pipe is excessively wide, the contractor shall, at his own expense, embed the pipe in concrete to support the added load of backfilling.

J. Pipe Schedule:

1. Below grade inside building
   a. Service weight - cast iron pipe ASTM A-74-82 with ASTM C-564-80 neoprene compression joints or no-hub CISPI with clamps. All kitchen sanitary shall be cast iron only.
   b. PVC-DWV Sch. 40 solid core pipe, ASTM D-1785 with ASTM D-2665 DWV solvent weld socket fittings.
2. Above grade and vent material shall be as follows:
   a. No-hub cast iron pipe CISPI 1-301-78.
   b. PVC-DWV SCH. 40 solid core pipe, ASTM D-1785 with ASTM D-2665 DWV solvent weld socket fittings.
3. Site below grade sewers
   a. No-hub cast iron pipe CISPI 1-301-78.
   b. PVC-DWV SCH. 40 solid core pipe. ASTM D-1785 with ASTM D-2665 DWV solvent weld socket fittings.
   c. Up to 15" - PVC pipe, ASTM D-3034 SDR 35 with ASTM F477 gasket joints.
4. Expansion Joints and deflection fittings
   a. Ductile-Iron, flexible expansion joints; AWWA C110 or AWWA C153 with two gasketed ball-joint sections and one or more gasketed sleeve sections rated for 250 psig minimum.
   b. Ductile-Iron expansion joints; three-piece assembly of telescoping sleeve with gaskets and restrained-type, ball-and-spigot end sections; AWWA C110 or AWWA C153; rated for 250 psig minimum.
   c. Ductile-Iron deflection fittings; compound coupling fitting with ball joint, flexing section, gaskets, and restrained joint ends; AWWA C110 or AWWA C153; rated for 250 psi minimum and up to 15 degrees of deflection.

K. PVC piping shall not be installed unless permitted by code and shall not be installed in return air plenums.

### 2.02 DOMESTIC WATER PIPING

A. Install domestic water piping as indicated on drawings. Include all fittings, valves, hangers, and other accessories including water meter and backflow preventer. Extend domestic water piping to all fixtures and equipment required for complete installation.

B. Include unions, or other disconnect means, stops or valves for isolation of fixtures and equipment. Valves to be fully compatible with piping for service intended as manufactured by Nibco, Crane, or Milwaukee. Include hose or drain valves at low points where fixtures cannot be used for drainage.

C. Install shock absorbers at each quick closing fixture and where required to prevent water hammer as manufactured by J.R. Smith, Sioux Chief, or Zurn. Absorbers shall be installed in vertical upright position.

D. Hangers on insulated pipe to be outside of insulation, sized accordingly with a sufficient saddle to protect insulation as manufactured by Grinnell or Michigan.

E. Pipe Schedule:

1. Above grade (2" and less)
   a. Type "L" hard copper ASTM B 88-832 with wrought copper fittings ASTM B 16.22 1980 and non-lead or antimony solder joints.
   b. Type "L" hard copper ASTM B 88-832 with Mechanical Press Sealed Fittings: Double-pressed type, NSF 61 and NSF 372 approved or certified, utilizing EPDM, nontoxic, synthetic rubber sealing elements.
      1) Manufacturers:
         (a) Anvil International
         (b) Apollo Valves
         (c) Grinnell Products
         (d) Nibco
         (e) Viega ProPress System
   c. CPVC, Schedule 40; socket fittings and solvent cement joints.
   d. PEX tube and fittings with stainless steel crimp rings.

F. Flush, vent, and sanitize all water piping with chlorine as required per AWWA, local building department, and health department codes.

G. Domestic hot and cold water piping under concrete floor to be covered with sand so that piping will not become embedded in the floor slab.

H. All piping under concrete floor shall be type "K" soft copper, continuous. Splices or fittings will not be allowed.

I. Extreme caution must be taken so that no copper piping and insulation under concrete floors becomes crushed, cut, split, or deformed during the pouring of the floor slab.

J. Allow 1-1/4" per 100 feet of length for expansion in domestic hot water lines.

K. All piping in return air ceiling plenums or walls shall be plenum rated materials.

### 2.03 GAS PIPING

A. Install gas piping in accordance to the latest version of the National Fuel and Gas Code, NFPA and local gas companies' requirements and State and local codes.

B. Include meter, regulators, valves, and connect to all gas using equipment.

C. Equipment connections at each unit shall include gas cock, union, dirt leg, and reducer to unit connection size. For above low pressure gas systems, provide pressure reducing valve at equipment or low pressure branches.

D. Construct concrete base to below frost line for large meter installation.

E. Pipe Schedule:

1. Above grade, low pressure (≤ 2 psi)
   a. Schedule 40 seamless black steel pipe, beveled ends.
   b. 2" and smaller – screwed fittings, wrought iron.
   c. 2-1/2" and larger – welded fittings, black steel.
2. Above grade, medium pressure (2 – 10 psi)
   a. Schedule 40 black steel with welded black steel fittings.

F. Valves shall not be located above ceiling spaces used as a return air plenum.

G. Exterior exposed bare steel pipe shall be painted with a primer coat and two (2) coats or rust inhibitive paint. Color as selected by Architect.

H. All welding shall be performed by state certified welders.

I. All piping in non-accessible spaces shall have welded joints.

### 2.04 GAS VALVES

A. Gas cocks 2" and smaller shall be 175# WOG, cast iron, screwed body pattern. Valves shall be UL listed for gas service. Valves shall be Dezurik series 425 with "RS-49" plug, seals and lever handle.

B. Gas cocks 2-1/2" thru 4" shall be 175# WOG, cast iron, flanged body pattern. Valves shall be UL listed for gas service. Valves shall be Dezurik series 425 with "RS-49" plug, seals and lever handle.

C. Pressure reducing valves shall be line size and to reduce pressure from supplied side to equipment pressure requirements. Valves shall be as specified on drawings or an approved equal by American Meter Company, Fisher Control Valves, or Invensys.

## SECTION 200593 - TESTING, ADJUSTING AND BALANCING

### PART 1 GENERAL

### 1.01 OVERVIEW

A. After installation, check all equipment and perform start up in accordance with the manufacturer's instructions.

B. All piping shall be tested and free of leaks as required by the local authority having jurisdiction.

C. Work that is scheduled to be concealed or insulated shall remain uncovered until required tests have been completed. If the construction schedule requires, arrange for tests on sections of the system at a time.

D. When the contractor is ready to run capacity tests, he shall notify the architect. When this notice is given, the architect will assume that the contractor has made preliminary tests and is satisfied that the plant will develop specified and guaranteed capacities. It will be the contractor's responsibility to furnish any and all instruments required to obtain test data which shall include thermometers, electric meters, pressure gauges, etc.

E. Work under this division of the specifications shall not be considered complete until the contractor has obtained required inspection, performance tests, made necessary adjustments and has submitted satisfactory evidence of the architect or his representative will make spot checks to determine the accuracy and completeness of final adjustments. Should spot checks indicate more than a reasonable deviation from design requirements, the contractor shall repeat tests and adjustments to the satisfaction of the engineer.

### 1.02 PIPING PRESSURE TEST

A. All piping shall be given the following pressure test without appreciable pressure drop: Contractor shall use recording line charts to record all pressure testing outcomes.

| SERVICE | TEST MEDIUM | MIN. PRESSURE | TIME (HOURS) |
|---|---|---|---|
| COLD WATER | WATER | 125 PSI | 24 |
| NATURAL GAS | GAS. CO. RULES | GAS. CO. RULES | 24 |
| SAN AND STORM SEWER | PER STATE PLUMBING CODE OR AJH | | |

B. A minimum notice of 48 hours shall be given the architect prior to purging of any gas lines. Purging shall be to the outside of building at a safe location.

C. During the final inspection of the building, the contractor may be required to remove at least one water closet in the presence of the architect so that it can be checked for a proper installation. If the one toilet is found to be installed in a defective manner, the contractor shall remove and properly reinstall all toilets.

D. Care shall be exercised in installation of air piping so as not to allow contamination.

E. Minor leaks in welded joints shall be corrected by chipping out the weld and rewelding. A general sweating of a weld joint will be considered sufficient cause for rejection. Defects that may develop in screwed joints under test shall be corrected by replacing the fitting or thread or both. Caulking of defective threaded joints will not be permitted.

F. During the testing period, this contractor shall maintain on the job a competent individual thoroughly familiar with all phases of plumbing for as long as may be required to thoroughly adjust all of the systems and to demonstrate to the architect that they are functioning properly.

G. All hydrostatic and/or air tests shall be made before piping is concealed or covered. This contractor shall be responsible for completely draining the systems after hydrostatic tests are performed. Any damage from freezing prior to acceptance of the completed installation shall be repaired at the sole expense of this contractor.

H. All materials and installations under the plumbing system shall be inspected by the inspector to ensure compliance with requirements of the plumbing code.

I. This contractor shall notify the plumbing inspector whenever work is ready for test and inspection.

J. When work for the plumbing permit is issued and completed, this contractor shall request final inspection. Such request shall be made before the building is occupied or used but not more than 30 days after completion of the work.

K. Before approving the plumbing system, the plumbing inspector may require that the system in whole or part be tested to prove sufficiency. All equipment, material, power and labor necessary for inspections and test shall be supplied by the plumbing contractor.

L. All piping of plumbing system shall be tested with water or air per testing schedule.

1. Drainage system water test: Provide fitting at property line or termination point for purpose of test plug. Water test shall be applied to entire system or by section. When tested in sections, at least the lower 20" of the next section above shall be retested so that every section tested shall have at least a 20-foot head test. Hold without pressure loss for 15 minutes.
2. Drainage system air test: Attach air apparatus to suitable opening, close all other inlets and outlets, and then force air into the system until there is uniform pressure, sufficient to balance a column of mercury 10" in height or 5 pounds gauge pressure on the entire system. Hold without pressure loss for 15 minutes.
3. No part of system shall be covered before inspection is made and approved. If covered before test, contractor shall pay for cost of uncovering so test can be made and accepted.
4. Defective work or materials shall be replaced and inspection and tests repeated within three days.

M. Certificates of approval of satisfactory completion and final inspection shall be obtained by the plumbing contractor. One copy of each approval shall be given to the architect.

N. Damages which result from breakage or faulty installation shall be the responsibility of the plumbing contractor.

O. After the system has been in service for a two-week period and again before the system is turned over to the owner, all dirt pockets, traps, and strainers shall be cleaned, removed, and reinstalled.

## SECTION 200700 - HVAC AND PLUMBING INSULATION

### PART 1 GENERAL

### 1.01 OVERVIEW

A. Furnish all material, labor, and equipment as required to install complete plumbing and HVAC insulation as indicated on mechanical drawings and in these specifications.

B. Install in full accordance with manufacturer's recommendations.

### 1.02 SCOPE

A. This contractor shall furnish and install all insulation necessary to the project and in accordance with the following requirements. All insulation and accessories used in an air plenum space, and all duct covering and lining, regardless of physical location, shall have a composite (insulation, jacket, and adhesive) fire and smoke hazard rating as tested under procedure ASTM E-84, NFPA 255 and UL 723, not exceeding a flame spread 25 and smoke developed 50. All other areas shall have insulating materials and accessories on pipes and vessels rated at a flame spread 25 and smoke developed 150 as tested by the same procedure. All calcium silicate shall be asbestos free.

### 1.03 WORKMANSHIP

A. All insulation shall be installed over clean and dry surfaces. Insulation must be dry and in good condition. Wet or damaged insulation will not be acceptable. No insulation shall be applied prior to pressure test completion of the respective piping and/or duct system.

B. All pipe insulation shall be installed with joints butted firmly together. All valves and fittings shall be insulated using mitered sections of insulation equal in density and thickness to the adjoining insulation or with an insulation cement equal in thickness to the adjoining insulation or pre-molded insulated fittings. The insulation applied to the valves and fittings shall be covered with the same type of covering as used on the pipe insulation, no staples.

C. All insulation ends shall be tapered and sealed regardless of services.

D. All insulated, exposed piping 8'-0" and below to the finished floor shall include a 0.020" thick vinyl jacket. This jacket is in addition to the normal finish for the respective service.

E. Rigid duct insulation shall be impaled over welded pins and secured with white insulation caps. All seams shall be firmly butted and sealed with white pressure sensitive vapor barrier tape, no staples.

F. Wrap around duct insulation shall be applied with all joints butted firmly together. Insulation shall be cemented to the surface with fireproof adhesive applied in 6" wide strips on 12" centers. All joints in the insulation covering shall be sealed with adhesive. Where ducts are over 24" wide, the duct-wrap shall be additionally secured to bottom of rectangular or oval ducts with mechanical fasteners on 16" centers to prevent sagging. Vapor barrier shall be legibly printed by the manufacturer to show nominal thickness and type of insulation. Aluminum corner angles shall be used to prevent over compressing insulation during installation.

G. Duct liner insulation shall be applied with joints pre-coated with adhesive and butted firmly together. Lining shall be cemented to ductwork with a minimum of 75 percent coverage of fire resistant adhesive. Mechanical fasteners on 16" centers and adhesive shall be used when duct width exceeds 12" or when duct height exceeds 24".

H. All flexible elastomeric insulation shall have all fittings, butt ends, and seams sealed with vapor barrier adhesive.

I. Repair all damaged sections of the existing piping and mechanical insulation damaged during this construction period. Use insulation of same thickness as existing insulation. Install new jacket lapping and seal over existing.

J. Replace damaged insulation which cannot be repaired satisfactorily, including units with vapor barrier damage and moisture saturated units.

### PART 2 PRODUCTS

### 2.01 PLUMBING INSULATION

A. Manufactured by Owens Corning, Knauf, or Schuller

B. Insulate all above-grade hot water, hot water return, and cold water piping with 1" thick molded fiberglass having an all service jacket.

C. Insulate all above-grade hot water and hot water return piping 1.5" and larger with 1.5" thick molded fiberglass having an all service jacket.

D. Include insulation of fittings and valves. Keep vapor barriers intact. Apply per manufacturer's recommendations.

### 2.02 HVAC INSULATION

A. Manufactured by Owens Corning or Knauf

B. All insulation to be applied in full accordance with the manufacturer's recommendations and comply with 25/50 flame and smoke hazard ratings per ASTM E-84, NFPA 255, and UL 723.

C. Insulate all supply, return, and exhaust air ducts with 3/4" thick lined insulation near equipment 10' out and/or through first elbow for sound deadening.

D. Insulate all supply, return, outside air ducts, and exhaust air ducts between isolation damper and penetration of the building's exterior with 2" thick, 1.5 pcf, minimum R-6, foil faced reinforced kraft jacket fiberglass duct wrap fully secured to duct. Lap and tape seams and secure tightly to the ducts with wire or stick pins. Exposed to view ductwork in conditioned spaces shall not be insulated, unless otherwise noted to be insulated. Ductwork in ceiling return air plenums shall be insulated.

E. Exposed to view ductwork in conditioned spaces more than 15'-0" above finished floor and/or in high humid climates, duct work shall be double walled with 1" thick, 1.0 pcf, and minimum R-3.0 insulation.

## SECTION 211000 - FIRE PROTECTION SYSTEMS

### PART 1 GENERAL

### 1.01 OVERVIEW

A. Furnish all labor, materials and equipment as required to install a complete fire protection system for project.

B. Field-verify sizes and location of existing sprinkler piping before fabrication of new.

C. This contractor shall modify and relocate sprinkler piping and provide new sprinkler piping and heads, as required, to accommodate new mechanical work in full compliance with NFPA 13. This contractor shall also perform hydraulic calculations for sprinkler piping in the remodeled areas in accordance with NFPA 13.

### 1.02 DESIGN BASIS

A. Design basis for system shall be per NFPA 13 (latest edition) building code requirements, local water department, local fire department, state fire marshal, local code, owner, and owner's fire insurance underwriter requirements.

B. System shall be hydraulically calculated as required by code.

C. Any pipe sizes shall be verified per the contractor's hydraulic calculations.

### 1.03 DRAWINGS AND CALCLATIONS

A. Contractor shall prepare submittal drawings and hydraulic calculations with a 10% factor of safety for building in accordance with owner's insurance company, building department, local fire authority requirements, and tenant's requirements for design density, whichever is most stringent.

B. Contractor shall be responsible to submit permit drawings, stamped and signed as required, to recieve a for construction permit and shall take full responsibility as the Desinger/Engineer of Record for the project.

C. Contractor shall perform a flow test data on water main and submit data with calculations.

D. Contractor and designer shall be state certified.

E. Coordinate layout and installation of sprinklers with ductwork and equipment above ceilings and other construction that penetrates ceilings, including but not limited to light fixtures, speakers, HVAC equipment, doors, and partition assemblies. No sprinkler piping shall be routed beneath equipment above any ceilings that must be dropped directly down for service, repair, or replacement.

F. Examine areas and conditions under which fire protection materials and products are to be installed. Do not proceed with work until unsatisfactory conditions have been corrected in manner acceptable to installer. Schedule rough-in installations with installations of other building components.

G. Shop drawings review does not relieve fire protection contractor from responsibility to meet each tenant's requirements for sprinkler coverage.

H. Fire protection contractor is responsible for verifying any high pile storage requirements of future tenants and providing an incoming sprinkler service size and risers to meet the requirements for adequate sprinkler coverage.

### PART 2 PRODUCTS AND MATERIALS

### 2.01 PIPING

A. All piping shall be installed in accordance with NFPA 13, 14 (latest edition) and local code requirements.

B. Fire protection piping shall be as follows:

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New Orleans, LA

CREATE
ARCHITECTURE PLANNING & DESIGN PLLC

45 West 34th Street
Penthouse
New York, NY 10001

Phone: (212) 297-0880
createworldwide.com

Owner / Developer:
Aub Properties Inc.
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
Richfield, OH 44286

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1. Inside building: Pipe and tubing shall be steel or copper in accordance with NFPA requirements. Standard-Weight, Galvanized-Steel Pipe: ASTM A53/A53M, Type E, Grade B. Pipe ends may be factory or field formed to match joining method.
2. Piping shall match existing building standards.
3. Contractor shall arrange with owner and insurance underwriter prior to shut down of existing systems.
4. Flush all piping upon completion of project and test per NFPA requirements.
5. No wet piping shall be installed at locations subject to freezing.

### 2.02 SPRINKLER HEADS

A. Sprinkler heads shall be UL listed, match existing building standards and be manufactured by Central, Star, or Viking.

B. Sprinkler heads shall be as follows:
  1. Areas with exposed structure
     a. Upright: Rough brass.
  2. Areas with ceilings
     a. Recessed Pendent: Chrome plated with matching two piece, flush escutcheon (color of ceiling).
     b. Concealed: Brass finish with off-white ceiling cover plate.
     c. Sidewall: Chrome plated with off-white, two piece, semi-recessed escutcheon.

C. Install concealed heads with white flush mounted cover plate in areas exposed to public view.

D. Install higher temperature sprinkler heads where required by code or application.

E. Submit samples of sprinkler heads to architect prior to fabrication of any piping.

F. Install inspector's test connection with valve and terminate drain through exterior wall with text fitting and splash block.

### 2.03 VALVES

A. Install all valves as required by NFPA 13, UL or FM listed and as manufactured by Grinnell, Hammond, or Milwaukee.

B. All shut-off valves shall be fitted with tamper switches by fire protection contractor and wired by electrical contractor. Tamper switches shall be as manufactured by Notifier, Potter, or Viking.

C. Install flow switch in riser as manufactured by Notifier, Potter, or Viking and wired by electrical contractor.

D. Install UL listed alarm check valve with all required trim, including water motor alarm bell and drains as manufactured by Central Star or Viking.

## SECTION 224000 - PLUMBING FIXTURES AND EQUIPMENT

### PART 1 GENERAL

### 1.01 OVERVIEW

A. Furnish all fixtures and equipment indicated and scheduled on drawings, complete with all accessories, controls, etc., as required.

B. Provide factory-fabricated fixtures of type, style, and material indicated. For each type fixture, provide fixture manufacturer’s standard trim, carrier, seats, and valves as shown by their published product information and indicated in the plumbing fixtures schedule; either as designed and constructed or as recommended by manufacturer and as required for complete installation. Where more than one type is indicated, selection is Installer’s option, but all fixtures of same type must be furnished by single manufacturer. Where type is not otherwise indicated, provide fixtures complying with governing regulations.

C. Where fittings, trim and accessories are exposed or semi-exposed, provide bright chrome-plated or polished stainless steel units. Provide copper or brass where not exposed.

D. Water Outlets: At locations where water is supplied (by manual, automatic, or remote control), provide commercial quality faucets, valves, or dispensing devices of type and size indicated and as required to operate as indicated. Include manual shut-off valves and connecting stem pipes to permit outlet servicing without shut-down of water supply piping systems.

E. Vacuum Breakers: Provide with flush valves where required by governing regulations, including locations where water outlets are equipped for hose attachment.

F. Water Hammer Arrestors: Provide water hammer arrestors where shown on the drawings and as required to prevent water hammer and excessive vibration in the domestic water system. Arrestors to be of size indicated or as recommended by the manufacturer.

G. P-Traps: Include removable P-traps (with clean out plug) where drains are indicated for direct connection to drainage system.

H. Carriers: Provide cast iron supports for fixtures of either graphitic gray iron, ductile iron, or malleable iron as indicated.

I. Fixture Bolt Caps: Provide manufacturer’s standard exposed fixture bolt caps finished to match fixture finish.

J. Escutcheons: Where fixture supplies and drains penetrate walls in exposed locations, provide chrome-plated sheet steel escutcheons with friction slips.

K. Aerators: Provide aerators of types approved by Health Department having jurisdiction.

L. Comply with additional fixture requirements contained in fixture schedule on drawings.

### PART 2 PRODUCTS

## SECTION 230900 - INSTRUMENTATION AND CONTROLS

### PART 1 GENERAL

### 1.01 OVERVIEW

A. Furnish and install complete temperature control for all HVAC systems.

B. Provide new control devices including thermostats, humidistats, damper operators, motors, temperature sensors, staging relays, and other related devices for a complete operational system per the operating sequence and industry standards.

C. Mount all controls furnished as accessories to equipment and provide all control wiring required for proper operation. All wiring shall be in conduit per N.E.C. and local code requirements.

D. Mechanical contractor shall install all duct mounted smoke detectors. Electrical contractor shall furnish and wire photo-electric duct smoke detectors at each unit to shut down fan upon activation. Detector shall be located in the supply/return air duct downstream/upstream of the unit connection. Detector will have manual reset and will activate a local alarm panel.

### PART 2 PRODUCTS

## SECTION 233000 - AIR DISTRIBUTION SYSTEMS

### PART 1 GENERAL

### 1.01 OVERVIEW

A. Furnish all materials, labor, equipment, and accessories required to install complete air distribution systems.

B. Contractors bidding this project shall visit this site and familiarize themselves with all condition affecting their work. Submission of a bid on this project shall be construed as having such knowledge.

C. Verify exact conditions in field and coordinate with these drawings and other trades before beginning new work.

D. Determine exact locations for all new and relocated ductwork and accessories in field.

E. Coordinate work of this contract with other trades.

F. Any discrepancies between what is shown on drawings or specified and the actual conditions in the field shall immediately be brought to the attention of the architect before proceeding.

G. Building and surfaces damaged during installation shall be repaired, replaced, and/or restored to original condition after completion of work and before acceptance by owner.

H. This contractor is also referred to the appropriate mechanical and plumbing specification sections the items of equipment to be bid as a part of this project.

### 1.02 DUCTWORK

A. Fabricate and erect all ductwork to ASHRAE and SMACNA standards from galvanized steel. Comply with NFPA 90A requirements.

B. Ductwork shall be SMACNA low pressure construction 2" static pressure rating with Seal Class A seams and joints, unless otherwise noted.

C. Outdoor-Air, Supply-Air, Return-Air, and Exhaust-Air ductwork (no matter the pressure class) shall have Seal Class A construction.

D. Include all acoustic, airfoil shaped perforated aluminum turning vanes, manual dampers, flexible connectors, grilles and diffusers, acoustic lining, and other sheet metal accessories for the project.

E. Changes in direction, in low velocity supply air rectangular ductwork, shall be made with full radius elbows with radius equal to 1-1/2 times the horizontal width of the duct, or with square elbows with turning vanes. Turning vanes shall be constructed of the same material as the surrounding ductwork and two (2) gauge numbers heavier.

F. Furnish and install all manual balancing dampers, splitter dampers, extractors, and deflectors required to properly distribute the air. All dampers, extractors, and deflectors shall be constructed of the same material as the surrounding ductwork, unless noted otherwise on the drawings. All manual balancing dampers shall be the opposed blade type.

G. All branch connection fittings in rectangular ductwork shall be 45-degree transition type, conical fittings, or spin-in fittings with integral air scoops. Butt fittings are not acceptable.

H. Exhaust duct outlets shall be installed a minimum of 10'-0" from all outside air intakes.

### 1.03 DUCT LINER

A. Acoustic line all rectangular ducts indicated on drawings with 1” thick non-flaking, coated medium density liner, apply to manufacturer's recommendations.

B. Duct dimensions indicated on drawings are clear inside dimensions (free area).

C. Duct liner shall comply with NFPA 90A and 90B (latest edition) requirements.

### 1.04 DUCT ACCESSORIES

A. Flexible ductwork (as manufactured by Clevaflex, Flexmaster, or Wiremold).
  1. Flexible ducts shall be independently supported from the structure and connected with plastic draw bands and tightened. Flexible ducts shall be limited to 48" maximum straight length. Flexible ducts shall be constructed of 1-1/2" insulation with vinyl vapor barrier jacket and rated at 10" W.C. for sizes though 12", UL listed, and meet 25/50 flame and smoke test. Flexible ducts are not permitted in rooms without ceiling.

B. Dampers (as manufactured by Ruskin, Nailor, or Safe-Air)
  1. Fabricate in accordance with SMACNA Standards. Provide end bearings and locking, indicating quadrant regulators. Blade to be single thickness with continuous hinge or rod.

## SECTION 237000 - HVAC SYSTEMS AND EQUIPMENT

### PART 1 GENERAL

### 1.01 OVERVIEW

A. Furnish all equipment, material, labor, tools, etc., for the complete HVAC system. Install complete and place in operation.

B. Contractors bidding this project shall visit this site and familiarize themselves with all conditions affecting their work. Submission of a bid on this project shall be construed as having such knowledge.

C. Verify exact conditions in field and coordinate with these drawings and other trades before beginning new work.

D. Determine exact locations for all new and relocated equipment, piping, conduits, and ductwork in field.

E. Coordinate work of this contract with other trades. Conflicts shall immediately be brought to the attention of the architect. Architect's resolution to conflicts shall be final.

F. Any discrepancies between what is shown on drawings or specified and the actual conditions in the field shall immediately be brought to the attention of the architect before proceeding.

G. Building and surfaces damaged during installation shall be repaired, replaced, and/or restored to original condition after completion of work and before acceptance by owner.

### 1.02 EQUIPMENT

A. Mechanical contractor to furnish all HVAC equipment indicated and/or scheduled on the drawings complete with bases, isolators, supports, and other required accessories.

B. Install complete and place in proper operation per manufacturer's recommendations, lubricate and adjust as required. Furnish and install clean set of filters prior to balancing.

C. Equipment to be make and model as scheduled unless alternate equipment of equivalent quality and performance is submitted as a substitution prior to bidding. All substitutions are subject to acceptance without qualification by owner, engineer, and architect.

D. Contractor shall perform routine service inspection of all existing HVAC equipment to remain. Lubricate bearing, service control systems, replace fan belts, and install new filters in each rooftop unit.

E. Contractor shall field verify refrigerant charge and add refrigerant if the charge is less than manufacturer's specifications.

F. Submit service report to any major component failures or malfunctions. Report shall include cost to service all malfunctioning or damaged items listed. Cost shall include parts and labor. Equipment shall be placed in full operation with controls calibrated upon completion of project.

### 1.03 COOLING COIL CONDENSATE DRAINS

A. Install condensate piping and include all fittings, traps, hangers, etc. Extend condensate piping from all equipment drain pans to approved locations for complete installation.

B. Install condensate piping at a uniform minimum slope of 1/8” per foot.

C. Condensate piping shall be as follows:
  1. Roof and Plenum space - type "L" hard copper ASTM B 88-832 with wrought copper fittings ASTM B 16.22 1980 and non-lead or antimony solder joints.
  2. Roof or non-return air plenum ceiling space – PVC schedule 40 plastic solvent weld socket fittings.

**Riverside Market**

New Orleans, LA

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IN
MECHANICAL ENGINEERING

9/8/26

MECHANICAL
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## General Notes

1. BEFORE STARTING THE WORK, THE CONTRACTORS SHALL EXAMINE THE JOB SITE AND THE DRAWINGS AND BE THOROUGHLY FAMILIAR WITH THE ENTIRE CONSTRUCTION REQUIREMENTS, THE FACILITIES AND DIFFICULTIES IN THE EXECUTION OF THE WORK, THE ACCURACY OF THE DRAWINGS AND DIAGRAMS RELATIVE TO THE CHARACTER AND QUANTITY OF LABOR AND MATERIAL REQUIRED.

2. IT IS THE INTENTION OF THE ARCHITECT THAT THE DRAWINGS AND SPECIFICATIONS PROVIDED LEAD FOR A COMPLETELY FINISHED PROJECT, AND ANYTHING SHOWN ON THE DRAWINGS OR DESCRIBED BY THE SPECIFICATIONS, OR FAIRLY IMPLIED BY EITHER OR BOTH, SHALL BE CONSIDERED A PART OF THE WORK THE SAME AS IF NOTED, SHOWN, AND DESCRIBED. SHOULD THE CONTRACTORS FIND ANY DISCREPANCIES OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS, OR BE IN DOUBT AS TO THEIR MEANING, HE SHALL NOTIFY THE ARCHITECT BEFORE PROCEEDING FURTHER. ANY CLARIFICATIONS FROM THE ARCHITECT WILL BE WRITTEN AND THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY WORK WHICH MUST BE REDONE BECAUSE OF THEIR FAILURE TO COMPLY WITH THE PRECEDING REQUIREMENT.

3. FURTHER EXPLANATORY DRAWINGS OR DETAILS WILL ALSO BE CONSIDERED PART OF THE PROJECT AND WORK TO BE EXECUTED. WITHOUT SUCH DETAILS, WORK SHALL BE AT THE CONTRACTOR'S RISK.

4. THE CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND MEASUREMENTS. ANY DISCREPANCIES BETWEEN THE DRAWINGS AND ACTUAL EXISTING CONDITIONS SHALL BE REPORTED TO THE ARCHITECT BEFORE PROCEEDING FURTHER. ANY CHANGES OR CORRECTIONS WILL BE WRITTEN, AND THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY WORK DONE BEFORE RECEIVING SAID CORRECTION.

5. THE CONTRACTORS SHALL VERIFY ALL DIMENSIONS AND MAKE AND/OR PROVIDE ALL TEMPLATES FOR DRILLING OR FITTING FOR THEIR WORK WHICH MAY IN ANY MANNER CONNECT TO THE WORK OR APPARATUS FURNISHED OR BUILT BY OTHERS. ANY DISCREPANCIES IN DIMENSIONS OR DETAILS SHALL BE REPORTED TO THE ARCHITECT IMMEDIATELY, AND NO FURTHER WORK SHALL PROCEED UNTIL THE ARCHITECT APPROVES SAME.

6. THE GENERAL CONTRACTOR SHALL ESTABLISH ALL WORKING GRADES AND LEVELS IN OR ABOUT THE BUILDING AND PREMISES AND PRESERVE THE SAME AGAINST DISTURBANCE. THESE LINES SHALL BE INDICATED ON PERMANENT BENCHES, PINS, OR OTHER MONUMENTS AS DIRECTED BY THE ARCHITECT/ ENGINEER. THE GENERAL CONTRACTOR SHALL PROPERLY LAYOUT AND PRESERVE THE SAME FOR THE USE AND CONVENIENCE OF ALL TRADES EMPLOYED ON THE WORK AND BE RESPONSIBLE FOR THE ACCURATE MAINTENANCE OF SAID LINES.

7. SHOULD THE CONTRACTORS FIND, AT ANY TIME DURING THE PROGRESS OF THE WORK, THAT IN THEIR JUDGMENT, EXISTING CONDITIONS MAKE DESIRABLE A MODIFICATION IN REQUIREMENTS COVERING ANY PARTICULAR ITEM OR ITEMS, THEY SHALL REPORT PROMPTLY TO THE ARCHITECT SUCH MATTER FOR HIS DECISION AND INSTRUCTION.

8. IT SHALL BE THE RESPONSIBILITY OF THE G.C. TO SEE THAT ALL WORK, FINISHED OR OTHERWISE, IRRESPECTIVE OF LOCATION, IS COMPLETELY PROTECTED AFTER BEING FINISHED, FROM EXTRANEOUS MATERIALS AND FROM DAMAGE ARISING FROM ANY OTHER OCCURRENCE. FAILURE TO AFFORD SUCH PROTECTION MAY CONSTITUTE REJECTION OF ANY DAMAGED WORK WITH SUBSEQUENT REPLACEMENT AT NO ADDITIONAL COST TO THE OWNER.

9. THE CONTRACTORS SHALL BE DIRECTLY RESPONSIBLE FOR ANY DAMAGE TO ADJOINING BUILDINGS, PRIVATE OR PUBLIC PROPERTY AND UTILITIES. THEY SHALL, THEREFORE, PROTECT ALL SUCH BUILDINGS, PROPERTY AND UTILITIES IN A SAFE, CLEAN AND SATISFACTORY MANNER AND SHALL REPAIR ANY DAMAGES TO MATCH ORIGINAL CONDITION AT NO COST TO OWNER/DEVELOPER OF THIS PROJECT.

10. THE CONTRACTORS SHALL BE DIRECTLY RESPONSIBLE FOR THE SAFETY OF ALL PEOPLE WORKING ON OR NEAR THE JOB SITE ON THIS PROJECT AND FOR THE PROTECTION OF OTHERS IN THE VICINITY.

11. THE PREMISES SHALL BE KEPT BROOM CLEAN DURING THE COURSE OF CONSTRUCTION, WITH ALL TRASH AND RUBBISH REMOVED AS WORK PROGRESSES. NO TRASH OR CONSTRUCTION MATERIAL SHALL BE LEFT OUTSIDE THE IMMEDIATE CONSTRUCTION AREA WITHOUT THE EXPRESS WRITTEN APPROVAL OF THE ARCHITECT. UPON COMPLETION OF THE WORK, ALL SURFACES SHALL BE CLEANED AND POLISHED, AND STAINS REMOVED, GLASS CLEANED, ALL CONSTRUCTION MATERIAL REMOVED AND THE PREMISES AND SURROUNDING AREAS LEFT IN A CLEAN "LIKE NEW" CONDITION.

12. REGULATORY REQUIREMENTS:

    ALL WORK SHALL COMPLY WITH THE STANDARDS AND REGULATIONS OF THE "SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION," OF THE OCCUPATIONAL SAFETY AND HEALTH ACT OF 1970, AND ANY OTHER SAFETY REGULATIONS AS MAY BE APPLICABLE. ALL WORK SHALL COMPLY WITH ALL GOVERNING STANDARDS AND REGULATIONS RELATIVE TO ENVIRONMENTAL PROTECTION. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE, COUNTY AND CITY CODES & REGULATIONS, AS WELL AS THOSE OF THE UTILITY COMPANIES & OTHER INVOLVED AGENCIES. THE CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING ANY REQUIRED PERMITS AND PAYING ANY FEES REQUIRED BY GOVERNMENT AGENCIES OR UTILITY COMPANIES. THE CONTRACTORS SHALL NOTIFY THE ARCHITECT AT ONCE IF ANYTHING IN THE CONTRACT DOCUMENTS IS BELIEVED NOT TO COMPLY WITH THE ABOVE CODES AND REGULATIONS, BEFORE CONTINUING WITH THE WORK. BY FAILING TO DO SO, CONTRACTORS SHALL ASSUME FULL RESPONSIBILITY FOR COMPLIANCE.

13. MATERIAL AND WORKMANSHIP:

    IT IS THE INTENTION OF THE DRAWINGS AND SPECIFICATIONS TO PRODUCE WORK OF THE HIGHEST QUALITY. IF IN THE OPINION OF THE CONTRACTORS ANYTHING INCLUDED HEREIN IS CONTRARY, THEY SHALL REPORT IT TO THE ARCHITECT AND TAKE IMMEDIATE STEPS TO CORRECT IT. IF IN THE OPINION OF THE ARCHITECT ANY PART OF THE CONSTRUCTION OF THIS BUILDING DOES NOT AGREE WITH THE ABOVE, THE CONTRACTORS WILL BE NOTIFIED IN WRITING, AND THEY SHALL TAKE IMMEDIATE STEPS TOWARD CORRECTION. ALL NEW WORK, SPECIFIED OR IMPLIED, SHALL COMPLY WITH THE BEST RECOGNIZED STANDARDS OF THE CONSTRUCTION INDUSTRY, FOR THE INTENDED USE.

14. THE CONTRACTOR SHALL MAKE HIMSELF FAMILIAR WITH SECTION "SPECIAL PROJECT PROCEDURES" OF THE PROJECT MANUAL. THIS PORTION OF THE PROJECT MANUAL DESCRIBES CERTAIN SPECIAL CONDITIONS THAT RELATE TO THIS PROJECT IN ADDITION TO AND AS A COMPLIMENT TO THESE CONTRACT DRAWINGS/DOCUMENTS.

15. NOTE TO G.C.: DRAWINGS ARE BASED ON FIELD OBSERVATIONS AND EXIST. DRAWINGS. IF THERE ARE ANY DEVIATIONS IN EXISTING CONDITIONS THAN WHAT IS SHOWN IN CONTRACT DOCUMENTS, G.C. IS TO INFORM THE ARCHITECT PRIOR TO CONSTRUCTION.

## Code Review

APPLICABLE CODES:

2021 LOUISIANA EXISTING BUILDING CODE
2021 LOUISIANA PLUMBING CODE
2021 LOUISIANA MECHANICAL CODE
2021 LOUISIANA ENERGY CODE
2020 LOUISIANA ELECTRICAL CODE
2019 LOUISIANA FIRE SPRINKLER CODE NFPA 13, 2019
2019 LOUISIANA FIRE ALARM CODE NFPA 72, 2019
2019 LOUISIANA COMMERCIAL ENERGY CODE ASHR AE 90.1, 2019
2015 NFPA 101 LIFE SAFETY CODE
2010 ADA STANDARDS
2021 LOUISIANA FUEL GAS CODE
2021 LOUISIANA EXISTING BUILDING CODE - ALTERATION - LEVEL 1

CHAPTER 3: USE AND OCCUPANCY CLASSIFICATION

SECTION 302 - OCCUPANCY CLASSIFICATION

302.1 GENERAL
MERCANTILE (SEE SECTION 309) GROUP M

SECTION 309 MERCANTILE GROUP M

309.1 MERCANTILE OCCUPANCIES INCLUDES
-DEPARTMENT STORES
-DRUG STORES
-MARKETS
-MOTOR FUEL-DISPENSING FACILITIES
-RETAIL OR WHOLESALE STORES
-SALES ROOMS

CHAPTER 5: GENERAL BUILDING HEIGHTS & AREAS

TABLE 504.3 & 504.4 ( USE GROUP M, SPRINKERED, TYPE 11B)
PERMITTED: 3 STORY / 75 FEET
FACADE: 1 STORY / 39'-6"

CHAPTER 6: TYPES OF CONSTRUCTION
SECTION 601: GENERAL
TABLE 601 – FIRE-RESISTANCE RATING REQUIREMENTS FOR BUILDING ELEMENTS (HOURS)

TYPE II B
- PRIMARY STRUCTURAL FRAMING – 0 HOUR
- BEARING WALLS (INTERIOR AND EXTERIOR) – 0 HOUR
- NON-BEARING WALLS AND PARTITIONS (INTERIOR) – 0 HOUR
- NON-BEARING WALLS AND PARTITIONS (EXTERIOR) – 0 HOUR
- FLOOR CONSTRUCTION AND SECONDARY MEMBERS – 0 HOUR
- ROOF CONSTRUCTION AND SECONDARY MEMBERS – 0 HOUR

TABLE 602

FIRE-RESISTANCE RATING REQUIREMENTS FOR EXTERIOR WALLS BASED ON FIRE SEPARATION DISTANCE.
X < 5 – 2 HOURS
5 ≤ X < 10 – 1 HOUR
10 ≤ X < 30 – 0 HOUR
X≥ 30 – 0 HOUR

CHAPTER 7:
FIRE AND SMOKE PROTECTION FEATURES

SECTION 705 - EXTERIOR WALLS - FIRE RESISTANCE RATING IN ACCORDANCE W/ TABLE 601 AND 602.

CHAPTER 8:
INTERIOR FINISHES
TABLE 803.11 INTERIOR WALLS AND CEILING FINISH REQUIREMENTS TO BE CODE COMPLIANT & WILL BE SUBMITTED SEPARATELY.

CHAPTER 9:
FULLY SPRINKLERED BUILDING (NO CHANGES)

CHAPTER 10

SECTION 1003
GENERAL MEANS OF EGRESS:

1003.3.1 HEADROOM - MIN. 80 INCHES: EXCEPTION DOOR CLOSER MIN. 78 INCHES

1003.4 FLOOR SURFACE - WALKING SURFACES OF MEANS OF EGRESS SHALL HAVE A SLIP RESISTANT SURFACE AND BE SECURELY ATTACHED.

1003.5 ELEVATION CHANGE - WHERE CHANGE IN ELEVATION IS LESS THAN 12" - SLOPED SURFACE SHALL BE USED. WHERE MORE THAN 12" - PROVIDE RAMP WITH HANDRAILS

SECTION 1004
OCCUPANT LOAD:

TABLE 1004.1.1
MERCANTILE
GRADE FLOOR AREAS - 60 GROSS SF / OCCUPANT
(OCC. LOAD IS CALCULATED USING THE ENTIRE STORE AREA FOR MAXIMUM REQUIREMENT) - NO DEDUCTIONS TAKEN FOR ACCESSORY SPACES
TENANT = 23,100 SF / 60 = 385 PERSON OCCUPANCY
ALDI = 25,400 SF / 60 = 424 PERSON OCCUPANCY

SECTION 1005
MEANS OF EGRESS SIZING:
1005.3 MINIMUM WIDTH BASED ON COMPONENT.
THE MINIMUM WIDTH IN INCHES OF ANY MEANS OF EGRESS COMPONENTS SHALL NOT BE LESS THAN SPECIFIED FOR SUCH COMPONENT, ELSEWHERE IN THIS CODE.
1005.3.2 EXCEPTION 1 (FOR SPRINKLER SYSTEM)
CAPACITY FACTOR IS 0.15" PER OCCUPANT

TENANT - 23,100 SF
23,100 / 60 = 385 PERS.
385 x 0.15 = 57.75" MIN REQ'D EGRESS INCHES
EXIT #1 - 68"
EXIT #2 - 38"
EXIT #3 - 38"
EXIT #4 - 72"
TOTAL = 216" EGRESS INCHES PROVIDED

ALDI - 25,400 SF
25,400 / 60 = 424 PERS.
424 X 0.15 =63.5" MIN REQ'D EGRESS INCHES
EXIT #1 - 74"
EXIT #2 - 34"
EXIT #3 - 68"
EXIT #4 - 38"
TOTAL = 214" EGRESS INCHES PROVIDED

SECTION 1006 - NUMBER OF EXITS & EXIT ACCESS DOORWAYS
PER 1006.2.1 - 2 EXITS REQUIRED

TENANT - EXITS PROVIDED = 4
ALDI - EXITS. PROVIDED = 4

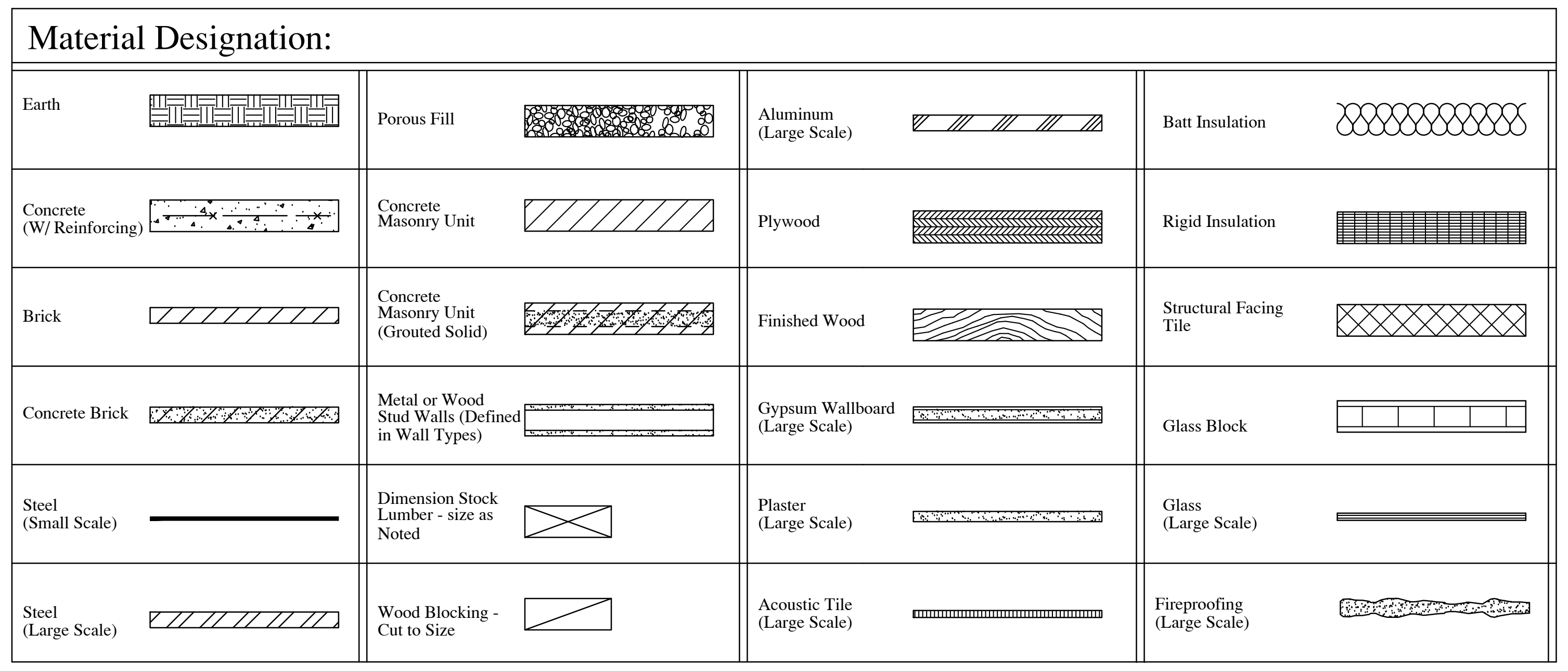
SECTION 1017- EXIT ACCESS TRAVEL DISTANCE
PER TABLE 1017.2 -M- SPRINKLERED 250 FEET

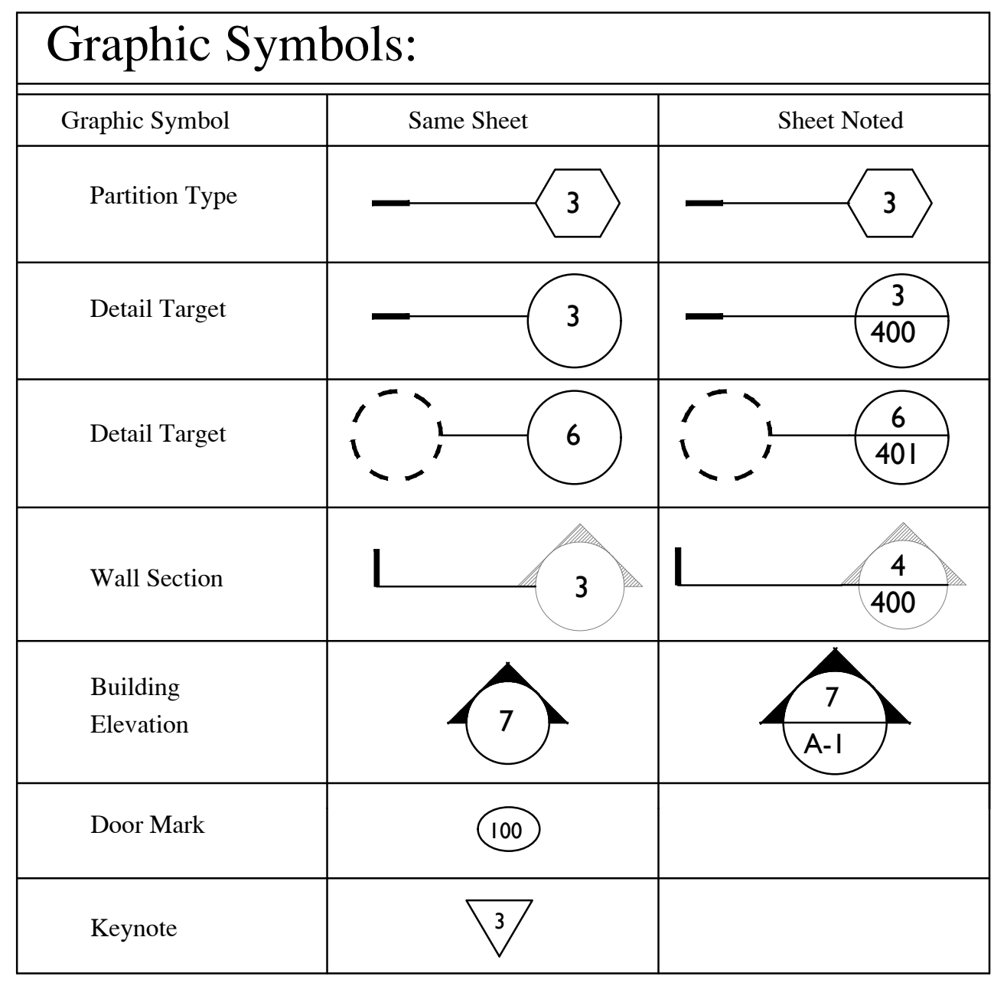
## Abbreviations

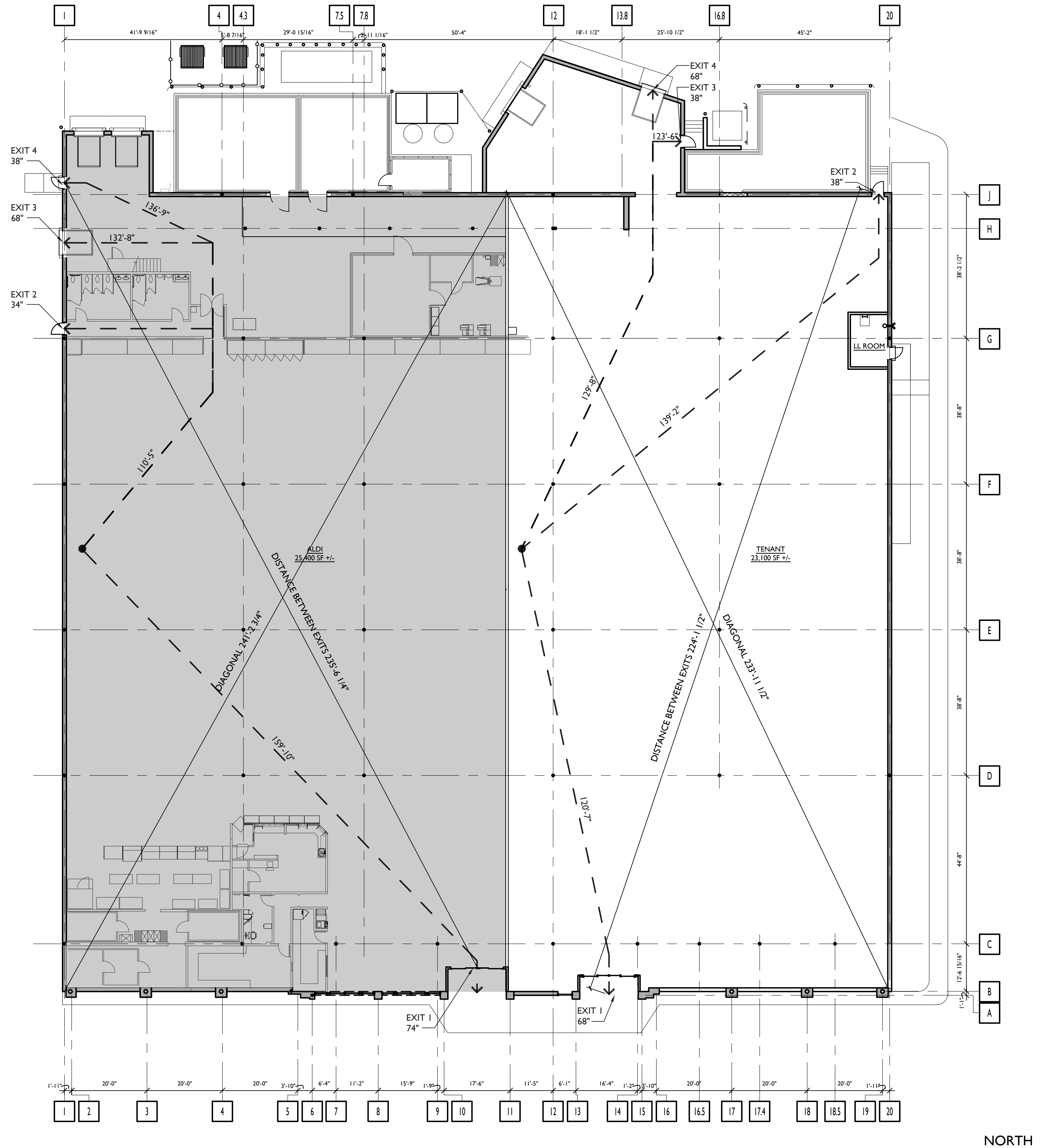
| | |
|---|---|
| AC | Air Conditioning |
| ACT | Acoustical Ceiling Tile |
| ADJ. | Adjacent |
| AHU | Air Handling Unit |
| AL | Aluminum |
| ALT | Alternate |
| APPROX. | Approximate |
| B.O.C. | Bottom Of Curb |
| B.O.F. | Bottom OF Footing |
| BLDG. | Building |
| BOT | Bottom |
| BSMT | Basement |
| BUR | Built Up Roofing |
| BW | Both Ways |
| CB | Catch Basin |
| CMU | Concrete Masonry Unit |
| CO | Clean Out |
| CONC | Concrete |
| CONST | Construction |
| CONT | Continuous/Continue |
| CONTR | Contractor |
| CPT | Carpet(ed) |
| CRS | Course(s) |
| CT | Ceramic Tile |
| DEMO | Demolish/Demolition |
| DIM | Dimension |
| DO | Door Opening |
| DS | Downspout |
| DTL | Detail |
| DWG | Drawing |
| FL | Floor(ing) |
| FND | Foundation |
| FTG | Footing |
| GA | Gage/Gauge |
| GALV | Galvanized |
| GC | General Contractor |
| GL | Glass/Glazing |
| GWB | Gypsum Wallboard |
| GYP.BD. | Gypsum Wallboard |
| HGT | Height |
| HM | Hollow Metal |
| HORZ | Horizontal |
| HWD | Hardwood |
| ID | Inside Diameter |
| INS | Insulate (ed) (ion) |
| INT | Interior |
| INV | Invert |
| JT | Joint |
| KIT | Kitchen |
| LL | Live Load |
| MAS | Masonry |
| MAX. | Maximum |
| MECH. | Mechanic (al) |
| MFG | Manufacturer(ed) |
| MIN. | Minimum |
| MIR | Mirror |
| MISC | Miscellaneous |
| MO | Masonry Opening |
| MT | Metal Threshold |
| MTL | Metal |
| NIC | Not In Contract |
| NOM | Nominal |
| NTS | Not To Scale |
| OA | Overall |
| OC | On Center (s) |
| OD | Outer Diameter |
| OH | Overhead |
| OPG | Opening |
| OPP | Opposite |
| P.LAM | Plastic Laminate |
| PCC | Pre-cast Concrete |
| PL | Plate |
| PLAS | Plaster |
| PLY | Plywood |
| PSF | Pounds Per Square Foot |
| PSI | Pounds Per Square Inch |
| PTD | Paint (ed) |
| QT | Quarry Tile |
| QTY | Quantity |
| R | Riser |
| RAD | Radius |
| RD | Roof Drain |
| REV | Revision(s)/Revised |
| RO | Rough Opening |
| ROW | Right Of Way |
| SIM | Similar |
| SPEC | Specification(s) |
| SQ | Square |
| SS | Stainless Steel |
| ST | Steel |
| STD | Standard |
| STOR | Storage |
| STRUC | Structural |
| SUSP | Suspended |
| T.O. | Top of |
| T.O. Conc | Top of Concrete |
| T.O. Stud | Top of Stud |
| T.O.B. | Top of Bearing |
| T.O.F. | Top of Footing |
| T.O.P. | Top of Pier |
| T.O.S. | Top of Steel |
| TEL | Telephone |
| THK | Thick (ness) |
| TYP | Tread |
| VBR | Vapor Barrier |
| VERT | Vertical |
| W/ | With |
| W/O | Without |
| WC | Water Closet |
| WD | Wood |
| WP | Waterproofing |
| WP | Work Point |

## Project Scope

THE PROPOSED PROJECT WORK CONSISTS OF RENOVATION OF THE EXISTING EXTERIOR FACADE. INCLUDING SOME INT. DEMO AT 'TENANT' & DEMOLITION OF EXIST. DORMERS, COLUMN ENCLOSURES, RENOVATION OF THE BUILDING FASCIA, SUBSTRATE AND SOME LIGHT GA. FRAMING. THERE ARE PROPOSED NEW TENANT SIGN FASCIAS. THE EXISTING CANOPY SOFFIT IS TO REMAIN 'AS-IS' w/ MINOR MODIFICATIONS.







Egress Plan
SCALE: N.T.S.

NORTH

Riverside Market

New Orleans, LA

CREATE
ARCHITECTURE PLANNING & DESIGN PLLC

45 West 34th Street
Penthouse
New York, NY 10001

Phone: (212) 297-0880
createworldwide.com

Owner / Developer:
Aub Properties Inc.
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
Richfield, OH 44286

| Rev: | Date: | Description: |
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| | 09/08/2026 | ISSUED FOR BID & PERMIT |
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FRANK J CAMPIONE
REG. NO 9673
LICENSE # 9673
EXP. 12/31/26

Notes, Symbols. Code Review, Abbreviations & Egress Plan

2525A CS-2

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## DIVISION ZERO: CONDITIONS OF THE CONTRACT

### SECTION 00700 - GENERAL CONDITIONS

A. CONDITIONS: AMERICAN INSTITUTE OF ARCHITECTS (AIA) DOCUMENT A201, "GENERAL CONDITIONS OF THE CONTRACT FOR CONSTRUCTION," 1997 EDITION, ARTICLES 1 THROUGH 14 INCLUSIVE IS MADE A PART OF THIS CONTRACT.

1. REFERENCED CONDITIONS MAINTAIN FORCE AND EFFECT AS THOUGH SET FORTH IN FULL AND SHALL APPLY TO ALL PORTION OF WORK.

B. THE TERM "CONTRACTOR" UNDER THIS CONTRACT SHALL REFER TO SUBCONTRACTORS AND WELL AS GENERAL CONTRACTOR.

### SECTION 00800 - SUPPLEMENTARY CONDITIONS

A. WHERE PROVISIONS OF GENERAL CONDITIONS RELATE TO PROJECT ADMINISTRATION AND WORK RELATED REQUIREMENTS OF THE CONTRACT, THOSE PARAGRAPHS ARE EXPANDED IN DIVISION 1 - GENERAL REQUIREMENTS.

B. GENERAL CONDITIONS, SUPPLEMENTARY CONDITIONS AND DIVISION 1 - GENERAL REQUIREMENTS CONTAIN INFORMATION NECESSARY FOR COMPLETION OF EVERY PART OF THE PROJECT.

## DIVISION ONE: GENERAL REQUIREMENTS

### SECTION 01010 - SUMMARY OF WORK

A. WORK OF CONTRACT COMPRISES CONSTRUCTION OF FACILITY AS INDICATED IN CONTRACT DOCUMENTS.

B. TITLES AND HEADINGS IN CONTRACT DOCUMENTS ARE FOR CONVENIENCE AND ARE NOT TO BE TAKEN AS A SEGREGATION OF UNITS OF MATERIALS AND LABOR.

1. NO RESPONSIBILITY, DIRECT OR IMPLIED, IS ASSUMED BY ARCHITECT OR OWNER FOR OMISSIONS OR DUPLICATIONS BY CONTRACTOR OR SUBCONTRACTORS DUE TO ARRANGEMENT OF MATTER IN CONTRACT DOCUMENTS.

C. CONTRACTOR USE OF PREMISES: CONDUCT OPERATIONS TO ENSURE LEAST INCONVENIENCE TO GENERAL PUBLIC AND OTHER BUSINESSES.

1. LIMIT USE OF PREMISES FOR CONSTRUCTION AND STORAGE TO AREAS DESIGNATED.
2. ASSUME FULL RESPONSIBILITY FOR PROTECTION AND SAFEKEEPING OF PRODUCTS UNDER CONTRACT, INCLUDING THOSE STORED ON SITE.

D. REGULATORY REQUIREMENTS: CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING GOVERNING AUTHORITIES DIRECTLY FOR NECESSARY INFORMATION AND DECISIONS BEARING UPON PERFORMANCE OF WORK.

E. REFERENCE STANDARDS: FOR PRODUCTS SPECIFIED BY ASSOCIATION OR TRADE STANDARDS, COMPLY WITH REQUIREMENTS OF REFERENCED STANDARD, EXCEPT WHEN MORE RIGID REQUIREMENTS ARE SPECIFIED OR REQUIRED BY APPLICABLE CODES.

F. CUTTING AND PATCHING: CUT, FIT, AND PATCH AS REQUIRED TO COMPLETE WORK TO MATCH ADJACENT UNDISTURBED MATERIALS AND FINISHES.

### SECTION 01150 - ENVIRONMENTAL PROCEDURES

A. GENERAL ENVIRONMENT CONCERNS: PROJECT REQUIRES MAXIMUM ENVIRONMENTALLY CONSCIOUS WORK FEASIBLE WITHIN LIMITS SPECIFIED, AVAILABLE MATERIALS, EQUIPMENT, AND PRODUCTS.

1. INFORM ARCHITECT AND OWNER WHERE ENVIRONMENTAL REQUIREMENTS COULD DETRIMENTALLY IMPACT CRITICAL PATH OF CONSTRUCTION SCHEDULE.
2. INTENTION OF THIS SECTION IS TO ENSURE THOSE INVOLVED WITH PROJECT CONDUCT ACTIVITIES TO PROTECT THE ENVIRONMENT, BOTH ON-SITE AND OFF-SITE, DURING DEMOLITION AND/OR DURING CONSTRUCTION OPERATIONS.

B. SPECIAL ENVIRONMENTAL DEFINITIONS:

1. ENVIRONMENTAL POLLUTION AND DAMAGE: PRESENCE OF CHEMICAL, PHYSICAL, OR BIOLOGICAL ELEMENTS OR AGENTS WHICH COULD:
   a. ADVERSELY AFFECT HUMAN HEALTH OR WELFARE.
   b. ADVERSELY IMPACT THE ENVIRONMENT AND/OR ECOLOGICAL BALANCE.
   c. DEGRADE OR DAMAGE THE ENVIRONMENT FOR NATURAL AESTHETIC, CULTURAL OR HISTORICAL PURPOSES.
2. CLASS III LANDFILL: LANDFILL THAT ACCEPTS NON-HAZARDOUS WASTE SUCH AS HOUSEHOLD, COMMERCIAL, AND INDUSTRIAL WASTE, INCLUDING CONSTRUCTION, REMODELING, REPAIR, AND DEMOLITION OPERATIONS.
3. CONSTRUCTION AND DEMOLITION WASTE: SOLID WASTES SUCH AS BUILDING MATERIALS, PACKAGING, RUBBISH, DEBRIS, AND RUBBLE RESULTING FROM CONSTRUCTION, REMODELING, REPAIR, AND DEMOLITION OPERATIONS.
4. CHEMICAL WASTE: PETROLEUM PRODUCTS, BITUMINOUS MATERIALS, SALTS, ACIDS, ALKALOIDS, HERBICIDES, PESTICIDES, ORGANIC CHEMICAL, AND INORGANIC CHEMICAL WASTE & CONSTRUCTION MATERIALS, SUCH AS ADHESIVES, SOLVENTS, & PAINTS.

C. SPECIAL RECYCLING REQUIREMENTS:

1. ARRANGE FOR COLLECTION BY OR DELIVERY TO APPROPRIATE RECYCLING CENTER OR TRANSFER STATION THAT ACCEPTS CONSTRUCTION AND DEMOLITION WASTE FAR PURPOSE OF RECYCLING.
2. PARTICIPATE IN RE-USE PROGRAMS: PARTICIPATE IN RE-USE PROGRAM TO EXTENT AVAILABLE IN PROJECT AREA.

D. ENVIRONMENTAL CONTROLS: COMPLY WITH FEDERAL, STATE, PROVINCIAL AND LOCAL REGULATIONS INCLUDING, BUT NOT LIMITED TO, WATER, AIR, SOLID WASTE, HAZARDOUS WASTE, SANITARY WASTE, SEDIMENT, STORM WATER, DUST, HAZARDOUS MATERIALS AND NOISE POLLUTION.

E. PROTECTION OF NATURAL RESOURCES: PRESERVE THE NATURAL RESOURCES WITHIN THE PROJECT BOUNDARIES AND OUTSIDE LIMITS OF PERMANENT WORK PERFORMED UNDER CONTRACT IN EXISTING CONDITION OR RESTORE TO AN EQUIVALENT OR IMPROVED CONDITION UPON COMPLETION OF WORK.

F. DUST, AIR POLLUTION, AND ODOR CONTROL: PREVENT CREATION OF DUST, AIR POLLUTION AND ODORS.

G. NOISE CONTROL: PERFORM DEMOLITION AND CONSTRUCTION OPERATIONS TO MINIMIZE NOISE, PERFORM NOISE PRODUCING WORK IN LESS SENSITIVE HOURS OF THE DAY OR WEEK AS DIRECTED BY OWNER AND/OR ON-SITE MANAGEMENT.

### SECTION 01300 - SUBMITTALS

A. SUBMITTALS ARE ONLY REQUIRED WHERE SPECIFICALLY INDICATED IN DRAWINGS/SPECS OR REQUESTED FROM OWNER/ARCHITECT.

B. GENERAL CONTRACTOR SHALL REVIEW AND COORDINATE SUBMITTALS PRIOR TO ARCHITECT'S REVIEW.

C. GENERAL CONTRACTOR SHALL OBTAIN ARCHITECTS APPROVAL PRIOR TO FABRICATION OR INSTALLATION OF RELEVANT WORK.

D. CONTRACTOR, BY REVIEWING SUBMITTALS, INDICATE VERIFICATION OF COMPLIANCE WITH CONTRACT DOCUMENTS, FIELD MEASUREMENTS, FIELD CONSTRUCTION, CRITERIA, MATERIALS, AND SIMILAR DATA.

E. PRODUCT DATA: MARK EACH COPY TO IDENTIFY APPLICABLE PRODUCTS, MODELS, OPTIONS, AND OTHER DATA, SUPPLEMENT MANUFACTURES STANDARD DATA TO PROVIDE INFORMATION UNIQUE TO WORK: INCLUDE INSTALLATION INSTRUCTIONS.

F. SHOP DRAWINGS: PROVIDE SHOP DRAWINGS TO OWNER / ARCHITECT FOR CUSTOM FABRICATED ITEMS (5 HARD COPIES).

G. SAMPLES: PROVIDE MINIMUM TWO SAMPLES TO ARCHITECT PREPAID.

1. INCLUDE PROJECT, SPECIFICATION AND LOCATION ON EACH SAMPLE, GIVING FULL INFORMATION.

H. CERTIFICATES: SUBMIT CERTIFICATES TO ARCHITECT, IN DUPLICATE, IN ACCORDANCE WITH REQUIREMENTS OF SPECIFICATIONS SECTION.

### SECTION 01400 - QUALITY CONTROL

A. GENERAL QUALITY CONTROL: MAINTAIN QUALITY CONTROL OVER SUPPLIERS, MANUFACTURERS, PRODUCTS, SERVICES, SITE CONDITIONS, AND WORKMANSHIP, TO PRODUCE WORK AT THE SPECIFIED QUALITY.

B. MANUFACTURER'S FIELD SERVICES: WHEN SPECIFIED IN THE CONTRACT DOCUMENTS SECTIONS, REQUIRE MANUFACTURER OR SUPPLIER TO HAVE QUALIFIED PERSONNEL PROVIDE ON-SITE OBSERVATIONS AND RECOMMENDATIONS.

C. TESTING LABORATORY SERVICES: PROVIDE TESTING LABORATORY SERVICES REQUIRED BY LOCAL AUTHORITIES FOR CONFORMANCE TO APPLICABLE CODES.

D. DELIVER AND STORE ALL ITEMS IN PROTECTED AREAS. KEEP FREE OF ANY DAMAGE. REPLACE ANY DAMAGED ITEMS OR PARTS AT NO COST TO THE OWNER.

E. A MINIMUM OF 20 ISSUED FOR BID & PERMIT PHOTOS SHALL BE SENT TO THE ARCHITECT AND OWNER ON THURSDAY OF EACH WEEK INDICATING WORK TO DATE ALONG WITH CONSTRUCTION ISSUED FOR BID & PERMIT REPORTS AND/OR MEETING MINUTES.

### SECTION 01500 - CONSTRUCTION FACILITIES

A. TEMPORARY POWER: PROVIDE POWER SERVICES AND LIGHTING REQUIRED FOR OPERATIONS, WITH BRANCH WIRING AND DISTRIBUTION BOXES LOCATED TO ALLOW SERVICES AND LIGHTING BY MEANS OF CONSTRUCTION-TYPE POWER CORDS.

B. NOISE, DUST AND POLLUTION CONTROL: PROVIDE MATERIALS, AND EQUIPMENT NECESSARY TO COMPLY WITH LANDLORD AND LOCAL REQUIREMENTS FOR NOISE DUST AND POLLUTION.

C. PROVIDE ENVIRONMENTALLY SAFE BARRIERS AS MAY BE REQUIRED TO PROTECT ADJACENT PROPERTIES FROM DAMAGE FROM OPERATIONS: AND AS REQUIRED BY GOVERNING AUTHORITIES.

D. CLEANING: CONTROL ACCUMULATION OF WASTER MATERIALS AND RUBBISH, RECYCLE OR DISPOSE OF OFF-SITE AT INTERVALS APPROVED BY THE LANDLORD AND COMPLYING WITH SPECIAL ENVIRONMENTAL PROCEDURES SPECIFIED IN SECTION 01150.

E. SIGNS: WHEREVER GENERAL CONTRACTOR SIGNAGE IS HUNG SIMILAR OWNER/ARCHITECT SIGNAGE SHALL ACCOMPANY AT CONTRACTOR'S EXPENSE. NO GC SIGNAGE SHALL BE HUNG WITHOUT OWNER / ARCHITECT SIGNAGE DIRECTLY ADJACENT.

F. REMOVAL AND CLEANING: REMOVE CONSTRUCTION FACILITIES, CLEAN AND REPAIR ANY DAMAGE, WHICH WERE CAUSED BY PERFORMING THE WORK IN THE CONTRACT DOCUMENTS.

### SECTION 01600 - MATERIALS AND EQUIPMENT

A. PRODUCTS:

1. COMPONENTS SUPPLIED IN QUANTITY SHALL BE INTERCHANGEABLE: PROVIDE MATERIALS AND SYSTEMS BY ONE MANUFACTURER TO EXTENT POSSIBLE, PROVIDE NEW MATERIALS UNLESS OTHERWISE DIRECTED IN CONTRACT DOCUMENTS.
2. PROVIDE ONLY NO ASBESTOS CONTAINING MATERIALS.

B. INSTALLATION: INSTALL ITEMS PLUMB, LEVEL, AND SECURE AND IN CORRECT RELATION TO ADJACENT PRODUCTS.

1. SECURE PRODUCTS IN PLACE WITH POSITIVE ANCHORAGE DEVICES DESIGNED AND SIZED TO WITHSTAND STRESSES, VIBRATION AND RACKING.

C. TRANSPORTATION: TRANSPORT PRODUCTS BY METHODS TO AVOID DAMAGE, DELIVER UNDAMAGED IN MANUFACTURERS UNOPENED CONTAINERS OR PACKAGING. MANUFACTURERS ARE ENCOURAGED TO USE RECYCLABLE OR REUSABLE PACKAGING MATERIALS.

D. HANDLING: PROVIDE EQUIPMENT AND PERSONNEL TO HANDLE BY METHODS TO PREVENT SOILING DAMAGE.

1. PROMPTLY INSPECT SHIPMENTS TO ASSURE PRODUCTS COMPLY WITH CONTRACT DOCUMENT REQUIREMENTS, QUANTITIES ARE CORRECT, AND PRODUCTS ARE UNDAMAGED.

E. STORAGE: STORE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS WITH SEALS AND LABELS INTACT AND LEGIBLE.

1. PERIODICALLY INSPECT TO ASSURE PRODUCTS ARE UNDAMAGED AND ARE MAINTAINED UNDER REQUIRED CONDITIONS.

F. PROTECTION: AFTER INSTALLATION, PROVIDE COVERINGS TO PROTECT PRODUCTS FROM DAMAGE FROM TRAFFIC AND CONSTRUCTION OPERATIONS, REMOVE WHEN NO LONGER NEEDED.

### SECTION 01630 - SUBSTITUTIONS

A. SUBSTITUTION REQUESTS WILL ONLY BE CONSIDERED IF SPECIFIED ITEM IS NOT AVAILABLE TO MEET PROJECT SCHEDULE OR REQUIREMENTS.

B. PRODUCTS: PROVIDE MATERIALS, SYSTEMS AND EQUIPMENT SPECIFIED, FOR PRODUCTS SPECIFIED BY REFERENCE STANDARD, PROVIDE PRODUCT MEETING STANDARD, SUBMIT REQUESTS FOR SUBSTITUTIONS FOR PRODUCTS NOT SPECIFIED.

C. REQUESTS FOR SUBSTITUTIONS: SUBMIT REQUESTS FOR SUBSTITUTIONS TO ARCHITECT WITH MANUFACTURERS "CUT SHEET" IN WRITING DURING BID AND NOT AS A SUBMITTAL.

D. CONTRACTOR: INVESTIGATE PROPOSED SUBSTITUTIONS PRIOR TO SUBMITTAL TO ARCHITECT, INCLUDE COST AND SCHEDULE CHANGES CAUSED BY SUBSTITUTIONS, SUBMIT SEPARATE REQUESTS FOR EACH PRODUCT.

1. REQUESTS INDICATE CONTRACTOR HAS INVESTIGATED PRODUCT AND THAT IT MEETS OR EXCEEDS SPECIFIED PRODUCTS, WILL PROVIDE SAME WARRANTY, AND WAIVES CLAIMS FOR ADDITIONAL COSTS WHICH SUBSEQUENTLY BECOME APPARENT.
2. SUBSTITUTE PRODUCTS SHALL BE NOT BE ORDERED WITHOUT WRITTEN ACCEPTANCE OF ARCHITECT AND OWNER.
3. ENVIRONMENTAL CONCERNS: PROPOSED SUBSTITUTIONS SHALL BE AT LEAST ENVIRONMENTALLY SOUND AS SPECIFIED PRODUCTS, MANUFACTURERS CUT SHEETS, PRODUCT COMPOSITION INFORMATION, FIRE RATING, SMOKE DENSITY, AND OTHER INFORMATION MAY BE REQUIRED BY ARCHITECT OR ENVIRONMENTAL CONSIDERATIONS.
4. ARCHITECT AND OWNER WILL BE FINAL JUDGES OF ACCEPTABILITY AND RESERVE RIGHT TO REJECT PROPOSALS DUE TO INSUFFICIENT INFORMATION.

### SECTION 01700 - CONTRACT CLOSEOUT

A. COMPLETION: AT COMPLETION THE CONTRACTOR SHALL SUBMIT CERTIFICATION TO THE OWNER, THAT THE WORK HAS BEEN INSPECTED AND HAS BEEN COMPLETED IN ACCORDANCE WITH CONTRACT DOCUMENTS AND DEFICIENCIES NOTED BY ARCHITECT AND OWNER HAVE BEEN CORRECTED.

B. FINAL CLEANING: CLEAN INTERIOR AND EXTERIOR SURFACES EXPOSED TO VIEW, REMOVE TEMPORARY LABELS, STAINS AND FOREIGN SUBSTANCES, POLISH TRANSPARENT AND GLASSY SURFACES, VACUUM CARPETED AND SOFT SURFACES. USE ONLY NON-TOXIC CLEANING MATERIALS: VINEGAR AND WATER SHALL BE USED FOR CLEANING GLASS, NO OTHER CLEANING MATERIALS SHALL BE PERMITTED FOR GLASS.

C. PROJECT RECORD DOCUMENTS: KEEP DOCUMENTS CURRENT, DO NOT PERMANENTLY CONCEAL WORK UNTIL REQUIRED INFORMATION HAS BEEN RECORDED.

1. INDICATE ACTUAL WORK ON DRAWINGS, INDICATE ACTUAL PRODUCTS USED IN PROJECT MANUAL, INCLUDING MANUFACTURER, MODEL NUMBER AND OPTIONS.
2. PLACE ONE COMPLETE SET OF AS-BUILT DRAWINGS IN A PROTECTIVE PLASTIC TUBE PERMANENTLY SECURED TO THE WALL. DELIVER ONE COMPLETE SET OF AS-BUILT DRAWINGS TO OWNER AT COMPLETION OF PROJECT.

D. DATA: PROVIDE, TO OWNER, MATERIAL, FINISH, MAINTENANCE DATA SUBMITTED BY MANUFACTURES BOUND IN THREE RING BINDERS, ORGANIZED IN FORMAT SIMILAR TO SPECIFICATIONS.

1. PROVIDE WRITTEN OPERATING INSTRUCTIONS AND MAINTENANCE PROCEDURE FOR EQUIPMENT INSTALLED UNDER EQUIPMENT, ELECTRICAL PLUMING, AIR CONDITIONING, HEATING AND VENTILATING SUBCONTRACTS.

E. WARRANTIES: PROVIDE WARRANTIES, TO OWNER AND REQUIRED BY CONTRACT DOCUMENTS AND WHERE PROVIDED BY MANUFACTURER FOR PRODUCTS SPECIFIED.

1. PROVIDE DUPLICATE COPIES ON CONTRACTOR LETTERHEAD, COUNTERSIGNED BY SUBCONTRACTOR AND INSTALLER.
2. REJECTION OF WARRANTIES: OWNER RESERVES THE RIGHT TO REJECT UNSOLICITED AND COINCIDENTAL PRODUCT WARRANTIES WHICH DETRACT FROM OR CONFUSE INTERPRETATIONS OF CONTRACT DOCUMENTS.

F. DEMONSTRATIONS: PRIOR TO FINAL INSPECTION, DEMONSTRATE OPERATION OF EACH SYSTEM TO OWNER.

## DIVISION TWO: SITE WORK -ALSO SEE SITE/CIVIL DOCUMENTS UNDER SEPARATE CONTRACT THRU OWNER

### SECTION 02221 - SELECTIVE DEMOLITI0N

A. COMPLY WITH APPLICABLE LOCAL, STATE, PROVINCIAL AND FEDERAL CODES AND REGULATIONS PERTAINING TO SAFETY OF PERSONS, PROPERTY AND ENVIRONMENTAL PROTECTION. PROVIDE, ERECT AND MAINTAIN TEMPORARY BARRICADES, SECURITY DEVICES, GUARD RAILS AND LIGHTING AND NECESSARY, TO PROTECT WORKERS AND OCCUPANTS OF THE BUILDING.

B. CONDUCT DEMOLITION TO MINIMIZE INTERFERENCE WITH ADJACENT BUILDINGS AREAS. MAINTAIN PROTECTED EGRESS AND ACCESS AT ALL TIMES.

C. PREVENT MOVEMENT OR SETTLEMENT OF STRUCTURES. PROVIDE, ENGINEER AND PLACE BRACING OR SHORING AND BE RESPONSIBLE FOR SAFETY AND SUPPORT OF STRUCTURE.

D. CAP OFF EXISTING PLUMBING, ELECTRICAL AND MECHANICAL NOT UTILIZED IN NEW SCHEME PER CODE AND CLEAR OF NEW WORK. CAP ABANDONED FLOOR PENETRATIONS BELOW FLOOR FINISHING. REUSE EXISTING CIRCUITS AND PLUMING LINES WHERE POSSIBLE.

E. DEMOLISH IN A ORDERLY AND CAREFUL MANNER AS REQUIRED TO ACCOMMODATE NEW WORK, INCLUDING THAT REQUIRED FOR CONNECTION TO THE EXISTING BUILDING. PROTECT EXISTING SUPPORTING STRUCTURAL MEMBERS.

F. ASSUME COSTS OF DISPOSAL OF DEBRIS FROM DEMOLISHED WORK, INCLUDING COSTS ASSESSED BY A LANDLORD ON A PRO-RATA BASIS, CONTRACTOR TO DETERMINE IF SUCH CHARGES ARE TO BE ASSESSED.

G. REPAIR ALL DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED AT NO COST TO THE OWNER.

## DIVISION THREE: CONCRETE - SEE STRUCTURAL DRAWINGS

## DIVISION FOUR: MASONRY - SEE STRUCTURAL DRAWINGS

## DIVISION FIVE: METALS

### SECTION 05500- METAL FABRICATIONS

A. FURNISH AND INSTALL STOCK AND CUSTOM FABRICATED METAL ITEMS WHICH ARE NOT PART OF SYSTEMS SPECIFIED ELSEWHERE, COMPLETE IN RESPECT TO INTENDED FUNCTIONS.

B. METAL FRAMING AND METAL SUSPENSION SYSTEMS (INCLUDING FRAMING FOR PLASTER WORK WHERE APPLICABLE), AS

DESIGNATED IN THE CONSTRUCTION DOCUMENTS. ACCEPTABLE MANUFACTURER'S: UNITED STATES GYPSUM OR CANADIAN GYPSUM COMPANY.

C. SUBMITTALS: SUBMIT SHOP DRAWINGS TO ARCHITECT PRIOR TO FABRICATION FOR ALL ARCHITECTURAL ORNAMENTAL METALWORK. SHOW DETAILS ON CONSTRUCTION, GAUGES OF MATERIALS, JOINTING, FASTENING, SUPPORTS, SIZE AND LOCATION OF WELDS, ANCHORING AND ANY OTHER INFORMATION RELATING TO FIELD CONDITIONS.

D. STEEL SHAPES, PLATES AND BARS: ASTM A36

E. FITTINGS: MALLEABLE CAST IRON, SLIP-ON, THREADLESS PIPE FITTINGS.

F. GROUT: NONMETALLIC, SHRINKAGE-RESISTANT GROUT:

ASTM C 1107, FACTORY-PACKAGED, NONMETALLIC AGGREGATE GROUT, NONCORROSIVE, NONSTAINING, MIXED WITH WATER TO CONSISTENCY SUITABLE FOR APPLICATION AND A 30-MINUTE WORKING TIME, OF TYPE SPECIFICALLY RECOMMENDED BY MANUFACTURER AS APPLICABLE TO JOB CONDITION.

G. FASTENERS AND ROUGH HARDWARE: TYPE REQUIRED FOR SPECIFIC USAGE: PROVIDE ZINC COATED FASTENERS FOR EXTERIOR USE OR WHERE BUILT IN EXTERIOR WALLS. FITTINGS SHALL BE SECURED TO PIPE BY ZINC PLATED SET SCREWS WITH A CASED HARDENED CUP POINT.

H. METAL FRAMING:

1. STUDS AND RUNNERS: 3-5/8" OR 6" (SEE PARTITION TYPES) SCREW-TYPE, PUNCHED CEE-SHAPED ROLL, 20 GAUGE U.O.N., OR UNLESS HEAVIER GAUGE IS RECOMMENDED BY THE MANUFACTURER FOR SPANS AND LOADS ANTICIPATED.
2. FURRING CHANNELS: SCREW-TYPE, HAT SHAPED, 2-3/4"x7/8" DEEP WITH 1/2° WIDE FLANGE, 25 GAUGE.
3. CARRYING CHANNELS: HOT OR COLD ROLLED, RUST INHIBITIVE PAINTED, 1-1/2", MINIMUM WEIGHT 0.475/1/F.
4. WIRE: GALVANIZED ANNEALED STEEL, MINIMUM 9 GAUGE FOR HANGERS, 16 GAUGE FOR TIES.
5. FASTENERS AS RECOMMENDED BY MANUFACTURER.
   a. FOR FLOOR RUNNER: 1/4" DIAMETER EXPANSION BOLTS, OR 1" MIN. L. POWER DRIVEN FASTENERS (WHEN PERMITTED BY CODE).

I. FIELD MEASUREMENTS: TAKE FIELD MEASUREMENTS PRIOR TO PREPARATION OF SHOP DRAWING AND FABRICATION, WHERE POSSIBLE, DO NOT DELAY JOB ISSUED FOR BID & PERMIT, ALLOW FOR TRIMMING AND FITTING WHERE NECESSARY.

J. FABRICATE ITEMS WITH JOINTS NEATLY FITTED AND PROPERLY SECURE, GRIND EXPOSED WELDS CONTINUOUS, SMOOTH AND FLUSH WITH ADJACENT FINISHED SURFACES, AND EASE EXPOSED EDGES.

K. SHOP PRIME STRUCTURAL STEEL SURFACES.

L. INSTALL SQUARE AND LEVEL, ACCURATELY FITTED AND FREE OF DISTORTION AND DEFECTS DETRIMENTAL TO APPEARANCE AND PERFORMANCE.

M. WALL FURRING: REFER TO DWGS. FOR STUD PLACEMENT

N. CEILING FRAMING:

1. SPACE MAIN CARRYING CHANNELS AND HANGERS MAXIMUM 48" O.C., U.O.N., AND NOT MORE THAN 6" FROM PERIMETER WALLS.
2. LAP SPLICES MINIMUM 12" AND SECURE TOGETHER 2" FROM EACH END OF SPLICE.
3. PLACE GYPSUM BOARD FURRING CHANNELS PERPENDICULAR TO CARRYING CHANNELS AT 24" O.C. MAXIMUM AND 2" FROM PERIMETER WALLS. LAP SPLICES 8" MINIMUM.

## DIVISION SIX: WOOD AND PLASTICS

### SEC11ON 06100 - ROUGH AND FINISH CARPENTRY

A. FURNISH AND INSTALL ROUGH AND FINISH CARPENTRY AND MILLWORK AS REQUIRED, INCLUDING BUT NOT LIMITED TO:

1. ROUGH CARPENTRY, INCLUDING ALL WOOD STUDS, FURRING, BLOCKING, ROUGH FRAMES, WOOD CURBS, NAILERS, BACKING, FIXTURE FRAMING, EQUIPMENT SUPPORTS, HARDWARE, ETC.
2. STOREFRONT AS DETAILED.

B. FINISH CARPENTRY SHALL CONFORM TO AMERICAN WOODWORK INSTITUTE (AW), OR WOODWORK INSTITUTE OF CALIFORNIA (WC)

C. THE WORK UNDER THIS SECTION INCLUDES THE NECESSARY FRAMING REQUIRED FOR THE PROPER INSTALLATION OF WORK OF OTHER TRADES, INCLUDING WALLBOARD, TOILET ACCESSORIES, MERCHANDISING FIXTURES, ETC.

D. PROVIDE BLOCKING IN WALLS AT ALL LOCATIONS THAT REQUIRE ADDITIONAL WALL SUPPORT.

E. GENERAL: OF GRADES INDICATED ACCORDING TO THE AMERICAN LUMBER STANDARDS COMMITTEE NATIONAL GRADING RULE PROVISIONS OF THE GRADING AGENCY INDICATED.

F. CONCEALED PLYWOOD: ANY SOFT WOOD SPECIES, APA EXTERIOR TYPE, MEDIUM DENSITY OVERLAY, APA MDO/EXT-APA, FIRE RETARDANT TREATED WHERE REQUIRED BY APPLICABLE CODE, ECONOMY GRADE MOISTURE CONTENT MAXIMUM 12%, MINIMUM 6%.

G. SOLID LUMBER: WOOD SPECIES AS SPECIFIED IN DRAWINGS SUITABLE FOR PAINT FINISH, PREMIUM GRADE MOISTURE CONTENT MAXIMUM 12%, MINIMUM 6%.

H. MEDIUM DENSITY FIBERBOARD (MDF): SHALL COMPLY ANSI A208.2 AND ASTM E84 CLASS C (III) FIRE RATING (76-200)

I. PANELING: PROVIDE FIRE-RETARDANT TREATED CORE WITH FLAME SPREAD RATING OF MAXIMUM 25 (ASTM E84): TREATMENT, WHICH DOES NOT CAUSE STAINS IN FINISHED SYSTEM.

J. FIBERBOARD WALL SHEATHING: AHA A194.1, TYPE IV, CLASS 1 (REGULAR DENSITY) CELLULOSIC FIBERBOARD SHEATHING WITH SQUARE EDGES.

K. PAPER-SURFACED GYPSUM WALL SHEATHING: ASTM C 79/C 79M, WITH WATER-RESISTENT MATERIAL INCORPORATED INTO CORE AND WITH WATER-REPELLENT PAPER BONDED TO CORE'S FACE, BACK, AND LONG EDGES.

L. GLASS-MAT GYPSUM WALL SHEATHING: ASTM C 1177C/C 1177M.

M. FASTENERS: FURNISH ROUGH HARDWARE, BOLTS, NAILS, FASTENERS, ANCHORS, AND CONNECTORS AS REQUIRED TO COMPLETE THE WORK.

N. PROVIDE FRAMING MEMBERS OF SIZE, AND WITH SPACING AND ANCHORAGE, AS REQUIRED IN ACCORDANCE WITH RECOGNIZED STANDARDS.

DO NOT SPLICE STRUCTURAL MEMBERS BETWEEN SUPPORTS.

O. SET ROUGH CARPENTRY TO REQUIRED LEVELS AND LINES, WITH MEMBERS PLUMB, TRUE TO LINE, CUT, AND FITTED. FIT ROUGH CARPENTRY TO OTHER CONSTRUCTION, SCRIBE AND COPE AS NEEDED FOR ACCURATE FIT. LOCATE FURRING, NAILERS, BLOCKING, AND SIMILAR SUPPORTS TO COMPLY WITH REQUIREMENTS FOR ATTACHING OTHER CONSTRUCTION.

P. USE FINISHING NAILS FOR EXPOSED WORK, UNLESS OTHERWISE INDICATED. COUNTERSINK NAIL HEADS AND FILL HOLES WITH WOOD FILLER.

Q. ALL WOOD FRAMING IN CONTACT WITH CONCRETE OR MASONRY TO BE PRESSURE TREATED.

R. BACKBOARDS FOR EQUIPMENT: INSTALL AS RECOMMENDED BY AMERICAN PLYWOOD ASSOCIATION FOR TYPES OF SUBSTRATES INVOLVED IN THE WORK.

## DIVISION SEVEN: THERMAL AND MOISTURE PROTECTION

### 07240- WATER MANAGED EIFS

PART 1- GENERAL

A. SUMMARY: PROVIDE A MECHANICALLY ATTACHED, WATER MANAGED EXTERIOR INSULATION AND FINISH SYSTEM, INCLUDING PRE-MANUFACTURED FOAM CORNICE MOULDINGS AS SHOWN ON THE DRAWINGS, AS SPECIFIED IN THIS SECTION, AND AS NEEDED FOR A COMPLETE AND PROPER INSULATION.

B. RELATED WORK: SECTION 06200- ROUGH & FINISH CARPENTRY, PRODUCT SPECIFICATION FOR PLYWOOD EIFS SUBSTRATE. SECTION 09260- GYPSUM WALLBOARD & PARTITION SYSTEM, PRODUCT SPECIFICATION FOR EIFS SUBSTRATE. SECTION 09860- EXTERIOR MASONRY COATINGS, PRODUCT SPECIFICATION FOR EIFS-BASED COATING SYSTEM ON EXISTING EXTERIOR MASONRY SURFACES.

C. SUBMITTALS:

1. SELECTED EIFS MANUFACTURER AND INSTALLER SHALL REVIEW THE DESIGN DOCUMENTS THOROUGHLY. SHOP DRAWINGS SHALL BE SUBMITTED ONLY IF EXCEPTIONS OR DEVIATIONS ARE TAKEN WITH DESIGN DOCUMENTS. SHOP DRAWINGS SHALL SPECIFICALLY IDENTIFY ANY RECOMMENDATIONS OR CORRECTIONS REQUIRED TO MAINTAIN COMPLIANCE WITH MANUFACTURER'S STANDARDS AND WARRANTY CONDITIONS, INCLUDING BUT NOT LIMITED TO PENETRATIONS, SEALANTS & FLASHINGS. ANY EXCEPTIONS OR DEVIATIONS TO DESIGN DOCUMENTS SHALL BE INCORPORATED IN THE SHOP DRAWINGS BY THE EIFS MANUFACTURER AND INSTALLER AND SHALL SUPERSEDE DESIGN DOCUMENTS. IF SHOP DRAWINGS ARE NOT SUBMITTED FOR REVIEW TO THE PROFESSIONAL OF RECORD, THIS SHALL SIGNIFY THAT THE DESIGN DOCUMENT INFORMATION IS APPROVED AS IN TOTAL COMPLIANCE WITH MANUFACTURER AND INSTALLER STANDARDS AND RECOMMENDATIONS.
2. GIVEN THE CURRENT LITIGATION ASSOCIATED WITH THIS PRODUCT, AS AN INDUCEMENT TO ACCEPT THE EIFS PRODUCT, THE EIFS MANUFACTURER AND INSTALLER SHALL AGREE TO INDEMNIFY, DEFEND AND HOLD HARMLESS THE OWNER, ARCHITECT, ENGINEER AND THE PROFESSIONAL OF RECORD AGAINST ANY AND ALL CLAIMS, DAMAGES, SUITS, ACTIONS, LEGAL COSTS AND EXPENSES DIRECTLY AND/OR INDIRECTLY RELATED TO LITIGATION ASSOCIATED WITH THE EIFS SYSTEM.
3. A REPRESENTATIVE OF THE EIFS MANUFACTURER SHALL PROVIDE OBSERVATIONS AND DOCUMENTATION DURING THE INSTALLATION AS NOTED IN PART III OF THIS SECTION TO ASSURE PROPER INSTALLATION OF THE MANUFACTURER'S PRODUCT.
4. FURNISH MANUFACTURER'S CERTIFICATION THAT THE MATERIALS MEET OR EXCEED SPECIFIED REQUIREMENTS.
5. REVIEW OF SUBMITTAL BY PROFESSIONAL OF RECORD SHALL BE LIMITED TO VERIFYING AESTHETIC COMPLIANCE WITH DESIGN.
6. ANY REQUEST FOR PRODUCT SUBSTITUTION MUST BE SUBMITTED PER SECTION 01340- SUBMITTALS

D. QUALITY ASSURANCE: THE WATER MANAGED EXTERIOR INSULATION AND FINISH SYSTEM MANUFACTURER'S SPECIFICATIONS AND RECOMMENDED STANDARD INSTALLATION DETAILS SHALL BE FOLLOWED COMPLETELY AND SHALL BE CONSIDERED A PART OF THIS SECTION AS IF THE MANUFACTURER'S SPECIFICATION WAS INCLUDED IN ITS ENTIRETY.

E. WARRANTY:

1. MANUFACTURER'S WARRANTY: THE CONTRACTOR SHALL PROVIDE THE MANUFACTURER'S STANDARD 5-YEAR PRODUCT WARRANTY IN THE BUILDING MAINTENANCE MANUALS SUBMITTED TO OWNER PER SECTION 01700- CONTRACT CLOSEOUT.
2. INSTALLER'S WARRANTY: THE CONTRACTOR SHALL INCLUDE A COPY OF THE EIFS INSTALLER'S WARRANTY FOR ALL WORK PROVIDED, FOR A TERM OF 1 YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION, IN THE BUILDING MAINTENANCE MANUALS SUBMITTED TO OWNER PER SECTION 01700- CONTRACT CLOSEOUT.

PART 2- PRODUCTS

A. ACCEPTABLE WATER-MANAGED EIFS MANUFACTURERS:

1. BASIS OF DESIGN: PROVIDE OUTSULATION, BY DRYVIT SYSTEMS, INC., WARWICK, RI (401/822-4100)

SHEATHING: GLASS MAT FACED EXTERIOR SHEATHING SHALL BE DENS-GLASS GOLD SHEATHING BY G-P GYPSUM CORPORATION, ATLANTA, GA (800/947-4497 NORTHEAST US), SUBJECT TO ACCEPTANCE BY THE EIFS MANUFACTURER AS PART OF THE WARRANTED EIFS SYSTEMS. PAPER-FACED EXTERIOR GYPSUM SHEATHING IS NOT AN ACCEPTABLE PRODUCT SUBSTITUTION.

SHEATHING AT BUILDING SIGNAGE: DO NOT PROVIDE GLASS MAT FACED EXTERIOR SHEATHING.

AIR/ WEATHER BARRIER: DRYVIT "BACKSTOP" ACRYLIC AIR/ WEATHER BARRIER

FLASHING TRIMS: MANUFACTURER'S STANDARD, AS DESIGNED AND MANUFACTURED FOR THE INTENDED PURPOSE

EXTERIOR INSULATION BOARD: DRYVIT OMD EXTERIOR GROOVED EPS INSULATION BOARD, BOARD THICKNESS MINIMUM 1-1/2" WITH 3/4" EPS DEEP V-GROOVE REVEALS WHERE SHOWN ON THE DRAWINGS, LEAVING A MINIMUM 3/4" EPS MATERIAL THICKNESS. EPS BOARD SHALL BE AGED/ AIR DRIED FOR THE EQUIVALENT OF SIX WEEKS PRIOR TO INSTALLATION.

EXTERIOR INSULATION BOARD: TO BE ADHERED TO MASONRY SUBSTRATE

EXTERIOR BASECOAT: DRYVIT EXTERIOR BASECOAT

RENIFORCING MESH:

ABOVE 8'-0" HEIGHT AT ADJACENT FINISH GRADE: DRYVIT STANDARD REINFORCING MESH (4.3 OZ. PER SQUARE YARD)

BELOW 8'-O" HEIGHT AT ADJACENT FINISH GRADE: DRYVIT PANZER 15 REINFORCING MESH (15 OZ. PER SQUARE YARD), APPLIED AS A SECONDARY REINFORCEMENT UNDER USG STANDARD REINFORCING MESH

TEXTURED FINISH: DRYVIT EXTERIOR TEXTURED FINISH, TROWEL APPLIED, MINIMUM INSTALLED THICKNESS 1/16" OVER REINFORCING, 3/16" MAX

COLORS/ TEXTURES: SEE DRAWINGS

PART 3- EXECUTION

A. SURFACE CONDITIONS: THE CONTRACTOR SHALL EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PROVIDED, SHALL CORRECT CONDITIONS DETRIMENTAL TO TIMELY AND PROPER COMPLETION OF THE WORK, AND SHALL NOT PROCEED INTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.

B. INSTALLATION:

1. THE WATER-MANAGED EIFS MANUFACTURER'S SPECIFICATIONS AND RECOMMENDED STANDARD INSTALLATION DETAILS SHALL BE FOLLOWED COMPLETELY, AND SHALL BE CONSIDERED A PART OF THIS SECTION AS IF THE MANUFACTURER'S SPECIFICATION WAS INCLUDED IN ITS ENTIRETY.
2. INSTALL THE WORK OF THIS SECTION IN ACCORDANCE WITH THE SHOP DRAWINGS AND WITH PERTINENT REQUIREMENTS OF GOVERNMENTAL AGENCIES HAVING JURISDICTION, ANCHORING ALL COMPONENTS FIRMLY INTO POSITION STRAIGHT, LEVEL AND PLUMB.
3. THE OVERALL MINIMUM BASE COAT THICKNESS SHALL BE SUFFICIENT TO FULLY EMBED THE MESH IN MULTIPLE BASE COAT APPLICATIONS.
4. EIFS SURFACES IN CONTACT WITH SEALANTS SHALL BE COATED WITH MANUFACTURER-APPROVED SEALER..
5. EIFS SUBSTRATE TOLERANCE: MAXIMUM VARIANCE FROM PLANE SHALL BE 1/4" WITHIN A 4-FOOT RADIUS OR MORE STRINGENT MANUFACTURER'S REQUIREMENTS AS APPLICABLE.

C. FIELD VISITS/ OBSERVATIONS

1. OBSERVATION OF THE EIFS INSTALLATION SHALL BE PERFORMED BY A REPRESENTATIVE OF THE MANUFACTURER. A REPORT OF EACH DAY'S WORK SHALL BE DEVELOPED DESCRIBING THE MATERIALS AND WORKMANSHIP TO BE IN COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS, OR TO DESCRIBE ANY DEFICIENCIES, WITH ASSOCIATED CORRECTION IDENTIFIED. REPORTS SHALL BE ON EIFS MANUFACTURER'S COMPANY LETTERHEAD. A COPY OF EACH REPORT SHALL BE SENT TO THE OWNER, CONTRACTOR AND PROFESSIONAL OF RECORD. IF DEFICIENCIES OCCUR, THE CONTRACTOR SHALL IMMEDIATELY PERFORM CORRECTIONS RECOMMENDED BY EIFS MANUFACTURER AND INSURABLE BY PROPERTY LOSS UNDERWRITERS.
2. THE INTENT OF THESE SPECIFICATIONS IS TO ENSURE THE SYSTEM IS INSTALLED STRICTLY IN A MANNER THAT WILL BE WARRANTED BY THE EIFS MANUFACTURER AND INSURABLE BY PROPERTY LOSS UNDERWRITERS.

### SECTION 07550- ROOFING (PATCHING AND REPAIR)

A. FURNISH AND INSTALL WEATHER TIGHT ROOFING SYSTEM COMPATIBLE WITH EXISTING ROOFING SYSTEMS AND APPROVED BY LANDLORD'S REPRESENTATIVE AND OWNER.

B. GC TO CONTACT OWNER'S ROOFER AND CONTRACT DIRECTLY WITH THEM FOR ALL ROOFING WORK TO MAINTAIN ANY AND ALL ROOF WARRANTIES.

### SECTION 07600 SHEET METAL

PART 1 GENERAL

1.01 SUMMARY:

A. PROVIDE SHEET METAL PRODUCTS AND ACCESSORIES WHERE NOTED ON DRAWINGS, AS SPECIFIED IN THIS SECTION, AND AS NEEDED FOR A COMPLETE INSTALLATION, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
   1. METAL VENTED AND NON-VENTED SOFFIT PANEL.
   2. MISCELLANEOUS SHEET METAL CLOSURES AND ACCESSORY ITEMS.
   3. PARAPET COPING.
   4. RAINWATER CONDUCTORS.
B. FINISH MUST CONFORM TO THE "METAL CONSTRUCTION ASSOCIATION CERTIFIED PREMIUM PAINTED™" STANDARD.

1.02 SUBMITTAL:

A. PRODUCT DATA: INCLUDE CONSTRUCTION DETAILS, MATERIAL DESCRIPTIONS, DIMENSIONS OF INDIVIDUAL COMPONENTS AND PROFILES, AND FINISHES FOR EACH TYPE OF METAL ROOF PANEL AND ACCESSORY, INCLUDING EACH TYPE OF UNDERLAYMENT PRODUCT INDICATED:
   1. CONCEALED FASTENER, STANDING SEAM METAL ROOF PANELS AND ACCESSORIES.
   2. UNDERLAYMENT.
B. SHOP DRAWINGS: SHOW LAYOUTS OF SHEET METAL ROOFING, INCLUDING PLANS, ELEVATIONS, AND KEYED REFERENCES TO TERMINATION POINTS. ALL FASTENING PATTERNS SHALL BE CLEARLY DESIGNATED TO MEET THE SPECIFIED WIND SPEED REQUIREMENTS.
   1. INCLUDE DETAILS FOR FORMING, JOINING, AND SECURING SHEET METAL ROOFING, INCLUDING PATTERN OF SEAMS, TERMINATION POINTS, EXPANSION JOINTS, ROOF PENETRATIONS, EDGE CONDITIONS, SPECIAL CONDITIONS, CONNECTIONS TO ADJOINING WORK, AND ACCESSORY ITEMS.
C. COORDINATION DRAWINGS: ROOF PLANS DRAWN TO SCALE AND COORDINATING PENETRATIONS AND ROOF-MOUNTED ITEMS. SHOW THE FOLLOWING:
   1. PURLINS AND RAFTERS.
   2. ROOF-MOUNTED ITEMS INCLUDING ROOF HATCHES, EQUIPMENT SUPPORTS, PIPE SUPPORTS AND PENETRATIONS, LIGHTING FIXTURES, SNOW GUARDS, AND ITEMS MOUNTED ON ROOF CURBS.
D. SAMPLES: FOR EACH EXPOSED FINISH.
E. FIELD QUALITY CONTROL INSPECTION REPORTS, TO BE SUBMITTED FOR WARRANTY PROGRAM LEVEL, IF APPLICABLE.
F. PRODUCT TEST REPORTS. BASED ON EVALUATION OF COMPREHENSIVE TESTS PERFORMED BY A QUALIFIED TESTING AGENCY, FOR THE FOLLOWING:
   1. INSULATION AND VAPOR RETARDERS: INCLUDE REPORTS FOR THERMAL RESISTANCE, FIRE-TEST-RESPONSE CHARACTERISTICS, WATER-VAPOR TRANSMISSION, AND WATER ABSORPTION.

1.03 WARRANTY/CLOSEOUT DOCUMENTS:

A. MANUFACTURER'S WARRANTY: THE CONTRACTOR SHALL INCLUDE THE SHEET METAL MANUFACTURER'S STANDARD 20 YEAR WARRANTY ON FINISH DURABILITY (FOR KYNAR 500/HYLAR 5000 FINISH) AND WORKMANSHIP, IN THE BUILDING MAINTENANCE MANUALS SUBMITTED TO OWNER PER SECTION 01700-CONTRACT CLOSEOUT.

B. INSTALLER'S WARRANTY: THE CONTRACTOR SHALL INCLUDE A COPY OF THE INSTALLER'S WARRANTY FOR ALL WORK PROVIDED, FOR A TERM OF 1 YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION, IN THE BUILDING MAINTENANCE MANUALS SUBMITTED TO OWNER PER SECTION 01700-CONTRACT CLOSEOUT.

1.04 PERFORMANCE REQUIREMENTS:

A. GENERAL: PROVIDE METAL ROOF PANEL ASSEMBLIES THAT COMPLY WITH PERFORMANCE REQUIREMENTS SPECIFIED AS DETERMINED BY TESTING MANUFACTURERS' STANDARD ASSEMBLIES SIMILAR TO THOSE INDICATED FOR THIS PROJECT, BY A QUALIFIED TESTING AND INSPECTING AGENCY.

B. WIND-UPLIFT RESISTANCE: CAPABLE OF RESISTING DESIGN NEGATIVE UPLIFT PRESSURES BASED UPON MAXIMUM WIND SPEEDS OF 115 MPH. PROVIDE CLIPS, FASTENERS, AND CLIP SPACING OF TYPE INDICATED AND WITH CAPABILITY TO SUSTAIN, WITHOUT FAILURE, A LOAD EQUAL TO 2 TIMES THE DESIGN NEGATIVE UPLIFT PRESSURE.

C. WIND-UPLIFT RESISTANCE: CAPABLE OF PRODUCING SHEET METAL ROOFING ASSEMBLIES THAT COMPLY WITH UL 580 FOR CLASS 115 WIND-UPLIFT RESISTANCE. OTHER PERFORMANCE TEST SHALL INCLUDE ASTM E1592 STATIC AIR PRESSURE TEST FOR ROOF COVERINGS.

Riverside Market

New Orleans, LA

CREATE
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New York, NY 10001

Phone: (212) 297-0880
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Owner / Developer:
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50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
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FRANK J CAMPIONE
REG. NO 9673
LICENSE #9673
EXP 12/31/26

Specifications

2525A SP-1

## Specifications (Continued):

1.05 QUALITY ASSURANCE:

A. INSTALLER QUALIFICATIONS: INSTALLER OF SHEET METAL ROOFING FOR A MINIMUM OF 10 YEARS.

B. ROLL-FORMED SHEET METAL ROOFING FABRICATOR QUALIFICATIONS: MINIMUM OF 10 YEARS FACTORY FORMING EXPERIENCE.

C. TESTING AGENCY QUALIFICATIONS: QUALIFIED ACCORDING TO ASTM E 329 FOR TESTING INDICATED, AS DOCUMENTED ACCORDING TO ASTM E 548.

D. SOURCE LIMITATIONS: OBTAIN EACH TYPE OF METAL ROOF PANELS THROUGH ONE SOURCE FROM A SINGLE MANUFACTURER.

E. SHEET METAL ROOFING STANDARD: COMPLY WITH SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" AND NRCA

F. WATERPROOFING MANUAL AND MANUFACTURER'S INSTALLATION GUIDELINES.

G. FIRE-RESISTANCE RATINGS: WHERE INDICATED, PROVIDE METAL ROOF PANELS IDENTICAL TO THOSE OF ASSEMBLIES TESTED FOR FIRE RESISTANCE THAT COMPLY WITH ASTME 108 IN ACCORDANCE WITH UL790.

H. PRE-INSTALLATION CONFERENCE: CONDUCT CONFERENCE AT PROJECT LOCATION WITH BUILDING OWNER, ARCHITECT, INSTALLING CONTRACTOR, GENERAL CONTRACTOR AND SHEET METAL ROOFING MANUFACTURER A MINIMUM OF 10 DAYS PRIOR TO START OF WORK. ALL DETAILS SHALL BE REVIEWED INCLUDING; UNDERLAYMENTS, SUBSTRATES, FASTENING PATTERNS, SCHEDULING, TRIM AND FLASHING COMPONENTS, ACCESSORIES SUCH AS FASTENERS AND SEALANTS.

1.07 DELIVERY, STORAGE & HANDLING:

A. DO NOT DELIVER MATERIALS OF THIS SECTION TO PROJECT SITE UNTIL SUITABLE FACILITIES FOR STORAGE AND PROTECTION ARE AVAILABLE.

B. PROTECT MATERIALS FROM DAMAGE DURING TRANSIT AND AT PROJECT SITE. STORE UNDER COVER, BUT SLOPED TO PROVIDE POSITIVE DRAINAGE. DO NOT EXPOSE MATERIALS WITH STRIPPABLE PROTECTIVE FILM TO DIRECT SUNLIGHT OR EXTREME HEAT.

C. DO NOT ALLOW STORAGE OF OTHER MATERIALS OR ALLOW STAGING OF OTHER WORK ON INSTALLED METAL PANEL SYSTEM.

D. UPON RECEIPT OF DELIVERY OF METAL PANEL SYSTEM, AND PRIOR TO SIGNING THE DELIVERY TICKET, THE INSTALLER IS TO EXAMINE EACH SHIPMENT FOR DAMAGE AND FOR COMPLETION OF THE CONSIGNMENT.

1.08 PROJECT CONDITIONS:

A. WEATHER LIMITATIONS: PROCEED WITH INSTALLATION ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT ASSEMBLY OF METAL ROOF PANELS TO BE PERFORMED ACCORDING TO MANUFACTURERS' WRITTEN INSTRUCTIONS AND WARRANTY REQUIREMENTS.

B. FIELD MEASUREMENTS: VERIFY LOCATIONS OF ROOF FRAMING AND ROOF OPENING DIMENSIONS BY FIELD MEASUREMENTS BEFORE METAL ROOF PANEL FABRICATION AND INDICATE MEASUREMENTS ON SHOP DRAWINGS.

1.09 SCHEDULING:

A. COORDINATE METAL PANEL ROOF ASSEMBLIES WITH RAIN DRAINAGE WORK, FLASHING, TRIM, AND CONSTRUCTION OF DECKS, PURLINS AND RAFTERS, PARAPETS, WALLS, AND OTHER ADJOINING WORK TO PROVIDE A LEAKPROOF, SECURE, AND NON-CORROSIVE INSTALLATION.

1.10 WARRANTY:

A. SPECIAL WARRANTY ON FINISHES: MANUFACTURER'S STANDARD FORM IN WHICH MANUFACTURER AGREES TO REPAIR FINISH OR REPLACE SHEET METAL ROOFING THAT SHOWS EVIDENCE OF DETERIORATION OF FACTORY-APPLIED FINISHES WITHIN SPECIFIED WARRANTY PERIOD.

B. FLUOROPOLYMER FINISH WARRANTY PERIOD: 30 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

C. SPECIAL INSTALLER'S WARRANTY: SPECIFIED FORM IN WHICH ROOFING INSTALLER AGREES TO REPAIR OR REPLACE COMPONENTS OF CUSTOM-FABRICATED SHEET METAL ROOFING THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN 5 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.

PART 2 PRODUCTS:

2.01 SHEET METAL PRODUCT MANUFACTURERS:

A. "BASIS OF DESIGN": ALUMINUM PRODUCTS BY ENGLERT INC. 1200 AMBOY AVENUE, PERTH AMBOY, NJ 08861
732-826-8614

1. SOFFIT PANELS: ENGLERT 3/8" DEEP V GROOVE SOFFIT E-375 (VENTED), COLOR AS PER CONSTRUCTION DOCUMENTS OR AS CHOSEN BY ARCHITECT, FROM STANDARD AND PREMIUM COLOR OPTIONS WITH PERIMETER TRIM AND MOULDINGS AS REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.
2. COPING: ENGLERT .040", EMBOSSED TEXTURE, WITH ACCESSORIES AS DETAILED ON THE DRAWINGS, COLORS AS PER CONSTRUCTION DOCUMENTS.

B. MANUFACTURER'S QUALIFICATIONS:
ALL PANELS ARE TO BE FACTORY FORMED AND PACKAGED PER JOB REQUIREMENTS.

C. MANUFACTURER SHALL HAVE A MINIMUM OF TEN (10) YEARS EXPERIENCE IN THE FACTORY FABRICATION OF METAL WALL PANELS.

D. SPECIFICATION IS BASED UPON THE PRODUCTS OF ENGLERT INC. OTHER MANUFACTURERS ARE ACCEPTABLE PROVIDED THEY ARE SUBMITTED DURING THE BID PROCESS WITH COLORS APPROVED BY ARCHITECT. ALTERNATE MANUFACTURERS WITHOUT COLOR MATCHES WILL NOT BE ACCEPTED.

2.02 SHEET METAL REQUIREMENTS:

A. SHEET METAL COPING: PREFINISHED 3004 ALUMINUM ALLOY H-12 TO H-14, TEMPERED PER ASTM B209; 12'-0" LENGTHS WITH SPLICE PLATES. PROVIDE CONCEALED ANCHORS THAT RESIST WIND UPLIFT AND PERMIT EXPANSION AND CONTRACTION WITH TEMPERATURE CHANGES. COPING CORNERS SHALL BE 45 DEGREE SHOP-MITERED AND HELIARC WELDED. FIELD FABRICATED COPING CORNERS WITH SEALANT APPLIED AT NON-WELDED MITERED MEETING JOINTS ARE NOT PERMITTED.

B. SHEET METAL ACCESSORIES: EXPOSED SHEET METAL ACCESSORIES SHALL BE THE SAME MATERIAL AND FINISH AS THE COPING. ALL WELDS SHALL BE GROUND AND SHOP PAINTED TO MATCH THE FIELD COLOR. PROVIDE EXPANSION JOINTS AT 20' TO 30' INTERVALS TO PREVENT THERMAL MOVEMENT DISTORTION.

| DESCRIPTION | THICKNESS/TEXTURE |
|---|---|
| COPING CAP | .040"/EMBOSSED TEXTURE |
| CONT.HOLD-DOWN CLEAT | .040" |
| SPLICE PLATES (CONCEALED) | .032" |
| SPLICE PLATES (EXPOSED) | .040"/EMBOSSED TEXTURE |
| RAINWATER CONDUCTORS | .040"/EMBOSSED TEXTURE |
| FLASHING | .040"/EMBOSSED TEXTURE |
| CLOSURE (EXPOSED) | .040"/EMBOSSED TEXTURE |
| DRIP EDGES | .040"/EMBOSSED TEXTURE |
| 16" ROOFING PANELS | .040"/EMBOSSED TEXTURE |
| 12" SOFFIT PANELS | .032"/SMOOTH |
| 12" SOFFIT PANELS/VENTED | .032"/SMOOTH, PERFORATED |
| FASTENERS | #14 W/NEOPRENE WASHERS |

2.03 OTHER ACCESSORY COPING ITEMS:

A. ANCHOR CLEATS: PROVIDE STAINLESS STEEL OR ALUMINUM, DESIGNED TO ALLOW FOR EXPANSION AND CONTRACTION OF THE ADJACENT CONSTRUCTION.

B. EXPOSED FASTENERS: ALUMINUM OR STAINLESS STEEL, WITH SEPARATE WASHERS WITH HOT BONDED NEOPRENE FACES; STAINLESS STEEL FOR WOOD CONNECTION.

C. SEALANT OR NON-CURING, NON-SKINNING BUTYL, POLYISOBUTYLENE TAPE: PROVIDE BETWEEN SURFACES DURING ASSEMBLY WITH A MINIMUM AMOUNT EXPOSED ON THE COMPLETED INSTALLATION.

D. COPING UNDERLAYMENT: PROVIDE TYPE 15 OR 30 ASPHALT RAG FELT PER FED. SPEC. HH-R-595B.

2.04 UNDERLAYMENT:

A. SELF-ADHERING, HIGH-TEMPERATURE SHEET: 80 MIL HOMOGENEOUS RUBBERIZED ASPHALT WATERPROOFING COMPOUND, GLASS FIBER REINFORCED DESIGNED SPECIFICALLY FOR USE UNDER SHEET METAL ROOFING. THERMAL STABILITY: RESISTANT TO 260 DEG F; ASTM D 1970. LOW TEMPERATURE FLEXIBILITY: PASSES AFTER TESTING AT MINUS 20 DEG F; ASTM D 1970. WITH ASPHALT FREE FELT: CONFORMING TO ASTM D 226, POLYOLEFIN BASED, 100 PERCENT ASPHALT FREE, HIGH STRENGTH REINFORCED ROOFING UNDERLAYMENT.

2.05 MISCELLANEOUS MATERIAL:

A. FASTENERS: SELF-TAPPING SCREWS, SELF-LOCKING RIVETS AND BOLTS, AND OTHER SUITABLE FASTENERS DESIGNED TO WITHSTAND DESIGN LOADS. MANUFACTURER SHALL PROVIDE OR AUTHORIZE ALL FASTENERS UTILIZED WITH THE SHEET METAL ROOFING SYSTEM.

1. EXPOSED FASTENERS: HEADS MATCHING COLOR OF SHEET METAL ROOFING BY MEANS OF PLASTIC CAPS OR FACTORY-APPLIED COATING.
2. FASTENERS FOR FLASHING AND TRIM: BLIND FASTENERS OR SCREWS SPACED TO RESIST WIND UPLIFT LOADS.

B. SEALING TAPE: PRESSURE-SENSITIVE, 100 PERCENT SOLID POLYISOBUTYLENE COMPOUND SEALING TAPE WITH RELEASE-PAPER BACKING. PROVIDE PERMANENTLY ELASTIC, NON-SAG, NON-TOXIC, NON-STAINING TAPE.

C. ELASTOMERIC JOINT SEALANT: ASTM C 920, OF BASE POLYMER, TYPE, GRADE, CLASS, AND USE CLASSIFICATIONS REQUIRED TO PRODUCE JOINTS IN SHEET METAL ROOFING THAT WILL REMAIN WEATHERTIGHT.

D. EXPANSION-JOINT SEALANT: FOR HOOKED-TYPE EXPANSION JOINTS, WHICH MUST BE FREE TO MOVE, PROVIDE NON-SETTING, NON-HARDENING, NON-MIGRATING, HEAVY-BODIED POLYISOBUTYLENE SEALANT.

E. BITUMINOUS COATING: COLD-APPLIED ASPHALT MASTIC, SSPC-PAINT 12, COMPOUNDED FOR 15 MIL DRY FILM THICKNESS PER COAT.

2.06 ACCESSORIES:

A. SHEET METAL ROOFING ACCESSORIES: PROVIDE COMPONENTS REQUIRED FOR A COMPLETE SHEET METAL ROOFING ASSEMBLY INCLUDING TRIM, COPINGS, FASCIAE, CORNER UNITS, RIDGE CLOSURES, CLIPS, FLASHINGS, SEALANTS, GASKETS, FILLERS, CLOSURE STRIPS, AND SIMILAR ITEMS. MATCH MATERIAL AND FINISH OF SHEET METAL ROOFING, UNLESS OTHERWISE INDICATED. ALL TRIM AND FLASHING COMPONENTS SHALL BE SUPPLIED IN A MINIMUM OF 12'-0" LENGTHS AND SHALL CONFORM TO MANUFACTURER'S STANDARD PART DIMENSIONS AND DETAILS.

1. FLAT CLIP, 24 GA. GALVANIZED STEEL CLIPS DESIGNED TO WITHSTAND NEGATIVE-LOAD REQUIREMENTS.
2. CLOSURES: CLOSED-CELL, EXPANDED, CELLULAR, RUBBER OR CROSS LINKED, POLYOLEFIN-FOAM OR CLOSED-CELL LAMINATED POLYETHYLENE; MINIMUM 1-INCH THICK, FLEXIBLE CLOSURE STRIPS; CUT OR PREMOLDED TO MATCH SHEET METAL ROOFING PROFILE. PROVIDE CLOSURE STRIPS WHERE INDICATED OR NECESSARY TO ENSURE WEATHERTIGHT CONSTRUCTION.
3. SEALANTS AS RECOMMENDED BY MANUFACTURER.
4. FASTENERS AS RECOMMENDED BY MANUFACTURER.

B. FLASHING AND TRIM: FORMED FROM MATCHING MATERIALS AS SHEET METAL ROOF PANEL IN GAUGES NOTED. PROVIDE FLASHING AND TRIM IN HEAVIER GAUGE MATERIALS AS REQUIRED TO SEAL AGAINST WEATHER AND TO PROVIDE FINISHED APPEARANCE. LOCATIONS INCLUDE, BUT ARE NOT LIMITED TO, EAVES, RAKES, CORNERS, BASES, FRAMED OPENINGS, RIDGES, FASCIAE, AND FILLERS. FINISH FLASHING AND TRIM WITH SAME FINISH SYSTEM AS ADJACENT SHEET METAL ROOFING.

C. SNOW GUARDS: PREFABRICATED, NON-CORROSIVE UNITS DESIGNED FOR COMPATIBILITY WITH METAL ROOF PANELS.

2.07 EQUIPMENT:

A. MANUFACTURER MUST MAINTAIN QUALITY CONTROL AND MAINTENANCE PROCEDURES OF ALL EQUIPMENT. VERIFICATION OF QUALITY CONTROL PROCEDURES MUST BE VALIDATED BY A 3RD PARTY ENTITY.

1. AVAILABLE MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, MANUFACTURERS OFFERING PRODUCTS THAT MAY BE INCORPORATED INTO THE WORK INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
2. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY ONE OF THE FOLLOWING:

A. ENGLERT,, INC.

2.08 FABRICATION:

A. GENERAL: FABRICATE SHEET METAL ROOFING AND COMPONENTS TO COMPLY WITH DETAILS SHOWN, MANUFACTURERS INSTALLATION DETAILS AND RECOMMENDATIONS IN SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" AND NRCA WATERPROOFING MANUAL THAT APPLY TO THE DESIGN, DIMENSIONS (PAN WIDTH AND SEAM HEIGHT), GEOMETRY, METAL THICKNESS, AND OTHER CHARACTERISTICS OF INSTALLATION INDICATED. FABRICATE SHEET METAL ROOFING AND ACCESSORIES AT THE MANUFACTURER'S LOCATION TO THE GREATEST EXTENT POSSIBLE.

B. GENERAL: FABRICATE SHEET METAL ROOFING PANELS TO COMPLY WITH DETAILS SHOWN AND SHEET METAL ROOFING MANUFACTURER'S WRITTEN INSTRUCTIONS.

C. FABRICATE SHEET METAL ROOFING TO ALLOW FOR EXPANSION IN RUNNING WORK SUFFICIENT TO PREVENT LEAKAGE, DAMAGE, AND DETERIORATION OF THE WORK. FORM EXPOSED SHEET METAL WORK TO FIT SUBSTRATES WITHOUT EXCESSIVE OIL CANNING, BUCKLING, AND TOOL MARKS, TRUE TO LINE AND LEVELS INDICATED, AND WITH EXPOSED EDGES FOLDED BACK TO FORM HEMS.

1. FOLD AND CLEAT EAVES AS REQUIRED BY MANUFACTURER TO INSURE WEATHERTIGHTNESS AND WIND UPLIFT RESISTANCE.
2. FORM AND FABRICATE SHEETS, SEAMS, STRIPS, CLEATS, VALLEYS, RIDGES, EDGE TREATMENTS, INTEGRAL FLASHINGS, AND OTHER COMPONENTS OF METAL ROOFING TO PROFILES, PATTERNS, AND DRAINAGE ARRANGEMENTS SHOWN AND AS REQUIRED FOR LEAK PROOF CONSTRUCTION AND WIND UPLIFT RESISTANCE.

D. METAL PROTECTION: WHERE DISSIMILAR METALS WILL CONTACT EACH OTHER, PROTECT AGAINST GALVANIC ACTION BY PAINTING CONTACT SURFACES WITH BITUMINOUS COATING, BY APPLYING RUBBERIZED-ASPHALT UNDERLAYMENT TO EACH CONTACT SURFACE, OR BY OTHER PERMANENT SEPARATION AS RECOMMENDED BY MANUFACTURERS OF DISSIMILAR METALS OR BY FABRICATOR.

E. SHEET METAL ACCESSORIES: CUSTOM FABRICATE FLASHINGS AND TRIM TO COMPLY WITH RECOMMENDATIONS IN SMACNA'S "ARCHITECTURAL SHEET METAL MANUAL" THAT APPLY TO DESIGN, DIMENSIONS, METAL, AND OTHER CHARACTERISTICS OF ITEM INDICATED. OBTAIN FIELD MEASUREMENTS FOR ACCURATE FIT BEFORE MANUFACTURER FABRICATION.

PART 3 EXECUTION

3.01 EXAMINATION:

A. EXAMINE SUBSTRATES, AREAS, AND CONDITIONS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES, METAL ROOF PANEL SUPPORTS, AND OTHER CONDITIONS AFFECTING PERFORMANCE OF WORK.

1. EXAMINE PRIMARY AND SECONDARY ROOF FRAMING TO VERIFY THAT RAFTERS, PURLINS, ANGLES, CHANNELS, AND OTHER STRUCTURAL PANEL SUPPORT MEMBERS AND ANCHORAGES HAVE BEEN INSTALLED WITHIN ALIGNMENT TOLERANCES REQUIRED BY METAL ROOF PANEL MANUFACTURER.
2. EXAMINE SOLID ROOF SHEATHING TO VERIFY THAT SHEATHING JOINTS ARE SUPPORTED BY FRAMING OR BLOCKING AND THAT INSTALLATION IS WITHIN FLATNESS TOLERANCES REQUIRED BY METAL ROOF PANEL MANUFACTURER.
3. FOR THE RECORD, PREPARE WRITTEN REPORT FOR THE GENERAL CONTRACTOR, ENDORSED BY INSTALLER, LISTING CONDITIONS DETRIMENTAL TO PERFORMANCE OF WORK.

B. . EXAMINE ROUGHING-IN FOR COMPONENTS AND SYSTEMS PENETRATING METAL ROOF PANELS TO VERIFY ACTUAL LOCATIONS OF PENETRATIONS RELATIVE TO SEAM LOCATIONS OF METAL ROOF PANELS BEFORE METAL ROOF PANEL INSTALLATION.

C. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED

3.02 PREPARATION:

A. LAY OUT AND EXAMINE SUBSTRATE BEFORE INSTALLATION OF SHEET METAL ROOFING. SPACE FASTENERS AS REQUIRED TO RESIST DESIGN UPLIFT, BUT NOT MORE THAN 24 INCHES O.C.

B. INSTALL FLASHINGS AND OTHER SHEET METAL TO COMPLY WITH REQUIREMENTS SPECIFIED IN DIVISION 7 SECTION "SHEET METAL FLASHING AND TRIM."

3.03 UNDERLAYMENT INSTALLATION:

A. INSTALL POLYETHYLENE SHEET ON ROOF SHEATHING UNDER METAL ROOF PANELS. USE ADHESIVE FOR ANCHORAGE TO MINIMIZE USE OF MECHANICAL FASTENERS UNDER METAL ROOF PANELS. APPLY AT LOCATIONS INDICATED ON DRAWINGS, IN SHINGLE FASHION TO SHED WATER, WITH LAPPED AND TAPED JOINTS OF NOT LESS THAN 2 INCHES. WITH SELF-ADHERING SHEET UNDERLAYMENT; INSTALL SELF-ADHERING SHEET UNDERLAYMENT, WRINKLE FREE, ON ROOF SHEATHING UNDER SHEET METAL ROOFING. COMPLY WITH TEMPERATURE RESTRICTIONS OF UNDERLAYMENT MANUFACTURER FOR INSTALLATION; USE PRIMER RATHER THAN NAILS FOR INSTALLING UNDERLAYMENT AT LOW TEMPERATURES. APPLY AT LOCATIONS NOTED ON DRAWINGS IN SHINGLE FASHION TO SHED WATER, WITH END LAPS OF NOT LESS THAN 6 INCHES STAGGERED 24 INCHES BETWEEN COURSES. OVERLAP SIDE EDGES NOT LESS THAN 3.5 INCHES. EXTEND UNDERLAYMENT A MINIMUM OF 1.5 INCHES OF FASCIA BOARD. ROLL LAPS WITH ROLLER. COVER UNDERLAYMENT WITHIN 14 DAYS.

3.04 INSTALLATION, GENERAL:

A. GENERAL: ANCHOR SHEET METAL ROOFING AND OTHER COMPONENTS OF THE WORK SECURELY IN PLACE, WITH PROVISIONS FOR THERMAL AND STRUCTURAL MOVEMENT. INSTALL FASTENERS, PROTECTIVE COATINGS, SEPARATORS, SEALANTS, AND OTHER MISCELLANEOUS ITEMS AS REQUIRED FOR A COMPLETE ROOFING SYSTEM AND AS RECOMMENDED BY FABRICATOR FOR SHEET METAL ROOFING.

1. FIELD CUTTING OF SHEET METAL ROOFING BY TORCH IS NOT PERMITTED.
2. RIGIDLY FASTEN RIDGE END OF SHEET METAL ROOFING AND ALLOW FOR POSITIVE PANEL ATTACHMENT AS PER MANUFACTURER'S RECOMMENDATIONS. ALL FLASHING DETAILS SHALL ACCOMMODATE THERMAL MOVEMENT.
3. PROVIDE METAL CLOSURES AT PEAKS, RIDGE, GABLE AND HIP CAPS.
4. FLASH AND SEAL SHEET METAL ROOFING WITH WEATHER CLOSURES AT EAVES, RAKES, AND AT PERIMETER OF ALL OPENINGS. FASTEN WITH SELF-TAPPING SCREWS.
5. LOCATE ROOFING SPLICES OVER, BUT NOT ATTACHED TO, STRUCTURAL SUPPORTS. STAGGER ROOFING SPLICES AND END LAPS TO AVOID A FOUR-PANEL LAP SPLICE CONDITION.
6. LAP METAL FLASHING OVER SHEET METAL ROOFING TO ALLOW MOISTURE TO RUN OVER AND OFF THE MATERIAL.

B. FASTENERS: USE FASTENERS OF SIZE AND LENGTH AS REQUIRED FOR COMPATIBILITY WITH SUBSTRATE.

C. METAL PROTECTION: WHERE DISSIMILAR METALS WILL CONTACT EACH OTHER OR CORROSIVE SUBSTRATES, PROTECT AGAINST GALVANIC ACTION BY PAINTING CONTACT SURFACES WITH BITUMINOUS COATING, BY APPLYING RUBBERIZED-ASPHALT UNDERLAYMENT TO EACH CONTACT SURFACE, OR BY OTHER PERMANENT SEPARATION AS RECOMMENDED BY FABRICATOR OF SHEET METAL ROOFING OR MANUFACTURERS OF DISSIMILAR METALS.

D. SEPARATE SHEET METAL ROOFING FROM BITUMINOUS COATING WHERE ROOFING WILL CONTACT WOOD, FERROUS METAL, OR CEMENTITIOUS CONSTRUCTION. INTERLOCK AND OVERLAP SHINGLES AND STAGGER END JOINTS FROM SHINGLES ABOVE AND BELOW ACCORDING TO SHINGLE MANUFACTURER'S WRITTEN INSTRUCTIONS.

E. CONCEAL FASTENERS AND EXPANSION PROVISIONS WHERE POSSIBLE IN EXPOSED WORK AND LOCATE TO MINIMIZE POSSIBILITY OF LEAKAGE. COVER AND SEAL FASTENERS AND ANCHORS AS REQUIRED FOR A TIGHT INSTALLATION.

3.05 ACCESSORY INSTALLATION:

A. RAINWATER CONDUCTORS TERMINATING AT GRADE SHALL TIE TO A SUBSURFACE STORM DRAINAGE SYSTEM. RAINWATER CONDUCTORS TERMINATING AT A LOWER ROOF SHALL DISCHARGE ONTO PRECAST CONCRETE SPLASHBLOCKS AS DETAILED ON THE DRAWINGS.

B. GENERAL: INSTALL ACCESSORIES WITH POSITIVE ANCHORAGE TO BUILDING AND WEATHERTIGHT MOUNTING AND PROVIDE FOR THERMAL EXPANSION. COORDINATE INSTALLATION WITH FLASHINGS AND OTHER COMPONENTS.

3.06 CLEANING AND PROTECTION:

A. REMOVE TEMPORARY PROTECTIVE COVERINGS AND STRIPPABLE FILMS, IF ANY, AS SHEET METAL ROOFING IS INSTALLED. ON COMPLETION OF SHEET METAL ROOFING INSTALLATION, CLEAN FINISHED SURFACES, INCLUDING REMOVING UNUSED FASTENERS, METAL FILINGS, POP RIVET STEMS, AND PIECES OF FLASHING. MAINTAIN IN A CLEAN CONDITION DURING CONSTRUCTION.

### SECTION 07900- JOINT SEALERS

A. FURNISH AND INSTALL JOINT SEALERS, INCLUDING CAULKING, AND BACKING MATERIAL FOR INTERIOR AND EXTERIOR JOINTS NOT SPECIFIED ELSEWHERE.

B. TWO YEAR WARRANTY. REPAIR OR REPLACE JOINT SEALERS WHICH FAIL TO PERFORM AS INTENDED, BECAUSE OF LEAKING, CRUMBLING, HARDENING, SHRINKAGE, BLEEDING, SAGGING, STAINING OR LOSS OF ADHESION.

C. SELECT MATERIALS FOR COMPATIBILITY WITH JOINT SURFACES
AND INDICATED EXPOSURES: SELECT MODULUS OF ELASTICITY AND HARDNESS RECOMMENDED BY MANUFACTURER FOR APPLICATION.

1. GENERAL EXTERIOR SEALANT: TREMCO/DYRNERIC, MAMECO VULKEM 922, OR PECORA/DYNATROL II MULTI-COMPONENT POLYURETHANE SEALANT, ASTMK C920, TYPE M, GRADE NS, CLASS 25, NON-SAG.

2. TRAFFIC BEARING SEALANT: TREMCO/THC-900, MAMECO VULKEM 245, OR PECORA/NR-200 UREXPAN MULTI-COMPONENT POLYURETHANE SEALANT, ASIM C920, TYPE M, GRADE P, CLASS 25M SELF-LEVELING.

3. INTERIOR WET AREA SEALANT: GE/SANITARY SEALANT, DOW/786 MILDEW RESISTANT SILICONE SEALANT, TREMCO/PROGLAZE OR PECORA/863 MILDEW-RESISTANT SILICONE RUBBER SEALANT COMPOUNDED SPECIFICALLY FOR MILDEW RESISTANCE.

4. INTERIOR GENERAL SEALANT: TREMCO/ACRYIIC LATEX OR PECORA/AC-20 ACRYLIC OR MODIFIED ACRYLIC SEALANT, NONSTAINING AND NONBLEEDING, RECOMMENDED BY MANUFACTURER GENERAL INTERIOR EXPOSURE.

5. PRIMERS/SEALERS: NON-STAINING TYPES RECOMMENDED BY JOINT SEALER MANUFACTURER FOR JOINT SURFACES TO BE PRIMED OR SEALED.

6. JOINT CLEANERS: NON-CORROSIVE TYPES RECOMMENDED BY JOINT SEALER MANUFACTURER, COMPATIBLE WITH JOINT FORMING MATERIALS.

7. BOND BREAKER TAPE: POLYETHYLENE TAPE AS RECOMMENDED BY JOINT SEALER MANUFACTURER WHERE BOND TO SUBSTRATE OR JOINT FILLER MUST BE AVOIDED FOR PROPER PERFORMANCE OF JOINT SEALER.

8. SEALANT BACKER ROD: COMPRESSIBLE POLYETHYLENE FOAM ROD OR OTHER FLEXIBLE, PERMANENT, DURABLE NONABSORPTIVE MATERIAL AS RECOMMENDED BY JOINT SEALER MANUFACTURER FOR COMPATIBILITY WITH JOINT SEALER.

a. OVERSIZE BACKER ROD MINIMUM 30% TO 50% OF JOINT OPENING

### DIVISION NINE: FINISHES

### SECTION 09260 - GYPSUM WALLBOARD & PARTITION SYSTEM

PART 1 GENERAL

1.01 SUMMARY: PROVIDE LIGHT GAUGE METAL STUDS AND ACCESSORIES, AND GYPSUM WALLBOARD, ACCESSORIES AND GYPSUM WALLBOARD FINISHING AS INDICATED ON THE DRAWINGS, AS SPECIFIED IN THIS SECTION, AND AS NEEDED FOR A COMPLETE AND PROPER INSTALLATION.

1.02 RELATED WORK: SECTION 05400- COLD FORMED METAL FRAMING.

1.03 SUBMITTAL: NO PRODUCT SUBMITTAL IS REQUIRED FOR THE WORK OF THIS SECTION IF PROVIDED PER THE CONSTRUCTION DOCUMENTS. ANY REQUEST FOR PRODUCT SUBSTITUTION MUST BE SUBMITTED PER SECTION 01340- SUBMITTALS.

1.04 QUALITY ASSURANCE:

A. PROVIDE GYPSUM WALLBOARD FINISH WORK CONSISTENT WITH THE STANDARDS AS ESTABLISHED BY GYPSUM ASSOCIATION SPECIFICATION NUMBER GA-214-90 "LEVELS OF GYPSUM BOARD FINISH".

B. AMBIENT TEMPERATURE FOR FINISHING: GYPSUM WALLBOARD FINISHING WORK SHALL BE PROVIDED ONLY WHEN THE AMBIENT CONTROLLED AIR TEMPERATURE IS NO LESS THAN 50 DEGREES F AND RISING.

PART 2 PRODUCTS

2.01 METAL STUDS AND ACCESSORIES:

A. METAL STUDS:

1. FRAMING: MINIMUM 20-GAUGE STANDARD PUNCHED STEEL STUDS, DIP GALVANIZED, PER FED. SPEC. QQ-S-698 AND FED. SPEC. QQ-S-775D, CLASS D. SUBCONTRACTOR IS RESPONSIBLE TO VERIFY LIMITING HEIGHTS WITH PARTITION FRAMING & SPAN TABLES AND BID WILL ACCOMMODATE ACCORDINGLY. NO CHANGE ORDERS WILL BE ACCEPTED.

2. FURRING SHALL BE 20 GAUGE, 7/8" HAT SECTIONS.

B. ACCESSORIES: PROVIDE ALL ACCESSORIES INCLUDING, BUT NOT LIMITED TO, TRACKS, CLIPS, ANCHORS, FASTENING DEVICES, SOUND ATTENUATION PENCIL RODS AND RESILIENT CLIPS, AND OTHER ACCESSORIES REQUIRED FOR A COMPLETE AND PROPER INSTALLATION.

2.02 DEFLECTION TRACK METAL FRAMING:

A. INTERIOR DEFLECTION PARTITION:

1. SECURE JAMB STUDS AND/OR KING STUDS TO THE DEFLECTION RUNNER WHILE ALLOWING FOR DEFLECTION, BY USING 20 GAUGE SLIP CLIPS ON EACH SIDE OF JAMB STUD/ KING STUD LEGS, USING PRE-MANUFACTURED CLIPS EQUAL TO "SLIP CLIP" PRODUCT, BY FIRE TRACK CORP. (800/ 394-9875)

A. ACCEPTABLE ALTERNATIVE PRODUCT/MANUFACTURER FOR INTERIOR PARTITIONS: VERTICLIP SLD SLIDE CLIP OR VERTITRACK VTD, BY THE STEEL NETWORK, RALEIGH NC (888/ 474-4876)

1. PROVIDE SPACED METAL ROOF DECK SECURING PLATES AS SHOWN ON THE DRAWINGS, WHEN THE PARTITION RUN PERPENDICULAR TO THE METAL DECK FLUTES.

2.03 GYPSUM WALLBOARD:

A. INTERIOR GYPSUM WALLBOARD:

1. PROVIDE GYPSUM WALLBOARD COMPLYING WITH ASTM C36 AND FED. SPEC. SS-L-30D, IN 48" WIDTHS AND IN SUCH LENGTHS AS WILL RESULT IN A MINIMUM OF JOINTS.
2. REGULAR WALLBOARD: PROVIDE TYPE III, GRADE R, CLASS 1, 5/8" THICK.
3. FIRE-RETARDANT WALLBOARD: PROVIDE TYPE III, GRADE X, CLASS 1, UL LISTED, 5/8" THICK.
4. ACCEPTABLE ALTERNATIVE PRODUCT/ MANUFACTURERS:

A. G-P GYPSUM, BY GEORGIA-PACIFIC, ATLANTA GA (404/ 652-4000).
B. GOLD BOND GYPSUM BY NATIONAL GYPSUM COMPANY, CHARLOTTE NC (704/ 365-7300).
C. GYPSUM PRODUCTS BY TEMPLE-INLAND, DIBOLL TX (409/ 829-1220).
D. SHEETROCK GYPSUM PRODUCTS, BY UNITED STATES GYPSUM COMPANY, CHICAGO IL.
E. NO OTHER PRODUCT/ MANUFACTURERS ARE PERMITTED.

B. INTERIOR MOISTURE-RESISTANT GYPSUM WALLBOARD (WHERE SCHEDULED ON DRAWINGS AND AT ALL WET WALLS):

1. PROVIDE MOISTURE RESISTANT GYPSUM WALLBOARD AT WALLS ONLY, WHERE SCHEDULED OR OTHERWISE SHOWN ON THE DRAWINGS, EQUAL TO THE FOLLOWING PRODUCT/ MANUFACTURERS:

A. "GOLD BOND 5/8" MR (MOISTURE RESISTANT) BOARD", BY NATIONAL GYPSUM COMPANY, CHARLOTTE NC (704/ 365-7300).

B."SHEETROCK WATER-RESISTANT 5/8" REGULAR GYPSUM PANELS", BY UNITED STATES GYPSUM COMPANY, CHICAGO IL.

C. INTERIOR IMPACT-RESISTANT GYPSUM WALLBOARD (WHERE SCHEDULED ON DRAWINGS):

1. PROVIDE IMPACT/ PENETRATION RESISTANT GYPSUM WALLBOARD, WHERE SCHEDULED OR OTHERWISE SHOWN ON THE DRAWINGS (KEYED OR SCHEDULED AS "VHI GYP. BD."), EQUAL TO "FIBEROCK VHI" (VERY HIGH IMPACT) 5/8" ABUSE-RESISTANT GYPSUM FIBER PANELS, BY UNITED STATES GYPSUM COMPANY, CHICAGO IL.

D. EXTERIOR SHEATHING FOR EIFS SUBSTRATES:

1. PROVIDE DENS-GLASS GOLD, GLASS MAT FACED EXTERIOR SHEATHING BY G-P GYPSUM CORPORATION, ATLANTA GA (800/ 947-4497 NORTHEAST US), SUBJECT TO ACCEPTANCE BY THE EIFS MANUFACTURER AS PART OF THE WARRANTED EIFS SYSTEM. PAPER-FACED EXTERIOR GYPSUM SHEATHING IS NOT AN ACCEPTABLE PRODUCT SUBSTITUTION. (IF APPLICABLE)

E. EXTERIOR GYPSUM WALL SHEATHING:

1. PROVIDE EXTERIOR GYPSUM SHEATHING COMPLYING WITH ASTM C79, IN 48" WIDTHS AND IN SUCH LENGTHS AS WILL RESULT IN A MINIMUM OF JOINTS.

2.04 METAL TRIM:

A. FORM FROM ZINC COATED STEEL NOT LIGHTER THAN 26 GAUGE, COMPLYING WITH FED. SPEC. QQ-S-775, TYPE I, CLASS D OR E.

B. CASING BEADS: PROVIDE GALVANIZED STEEL CHANNEL-SHAPED CASING BEADS AT EXPOSED WALLBOARD EDGES, EQUAL TO USG SERIES NO. 200, AT LOCATIONS INCLUDING BUT NOT LIMITED TO HORIZONTAL EDGES AT TOP OF PARTIAL HEIGHT PARTITIONS, AND VERTICAL AND HORIZONTAL EDGES WHERE GYPSUM WALLBOARD ABUTS OTHER MATERIALS.

C. CORNER BEADS: PROVIDE ANGLE SHAPES WITH WINGS NOT LESS THAN 7/8" WIDE AND PERFORATED FOR NAILING AND JOINT TREATMENT, EQUAL TO USG DUR-A-BEAD CORNER BEAD.

D. EDGE BEADS FOR USE AT PERIMETER OF CEILINGS:

1. PROVIDE ANGLE SHAPES WITH WINGS NOT LESS THAN 3/4" WIDE.
2. PROVIDE CONCEALED WING PERFORATED FOR NAILING, AND EXPOSED WING EDGE FOLDED FLAT.

E. CONTROL JOINTS: PROVIDE STAPLE-APPLIED ROLL-FORMED ZINC CONTROL JOINTS EQUAL TO USG CONTROL JOINT NO. 093 WHERE SHOWN ON THE DRAWINGS, IF NOT OTHERWISE INDICATED PROVIDE EVERY 30' LINEAR FEET. PROVIDE FLUSH CAULK BEAD TO FILL 1/4" OPEN SLOT AFTER PROTECTIVE TAPE IS REMOVED AFTER ADJACENT WALLBOARD FINISHING.

2.05 JOINT SYSTEM: PROVIDE A JOINTING SYSTEM, INCLUDING REINFORCING TAPE AND COMPOUND, DESIGNED AS A SYSTEM TO BE USED TOGETHER AND AS RECOMMENDED FOR THIS USE BY THE MANUFACTURER OF THE GYPSUM WALLBOARD APPROVED FOR USE ON THIS WORK. JOINTING COMPOUND MAY BE USED FOR FINISHING IF SO RECOMMENDED BY ITS MANUFACTURER.

2.06 FASTENING DEVICES:

A. FOR FASTENING GYPSUM WALLBOARD IN PLACE ON METAL STUDS AND METAL CHANNELS, USE FLAT-HEAD SCREWS, SHOULDERED, SPECIALLY DESIGNED FOR USE WITH POWER-DRIVEN TOOLS, NOT LESS THAN 1" LONG, WITH SELF TAPPING THREADS AND SELF DRILLING POINTS.

B. FOR FASTENING GYPSUM WALLBOARD IN PLACE ON WOOD, USE 1-1/4" TYPE W BUGLE-HEAD SCREWS OR USE ANNULAR RING TYPE NAILS COMPLYING WITH ASTM C514 AND OF THE LENGTH REQUIRED BY GOVERNMENTAL AGENCIES HAVING JURISDICTION.

2.07 FLOOR RUNNER GROUT: PROVIDE COMMERCIAL GROUT FOR LEVELING THE FLOOR RUNNER MEMBER OF STEEL STUD PARTITIONS AS REQUIRED.

2.08 OTHER MATERIALS: PROVIDE OTHER MATERIALS, NOT SPECIFICALLY DESCRIBED BUT REQUIRED FOR A COMPLETE AND PROPER INSTALLATION OF THE WORK.

PART 3 EXECUTION

3.01 SURFACE CONDITIONS: THE CONTRACTOR SHALL EXAMINE THE AREAS AND CONDITIONS UNDER WHICH WORK OF THIS SECTION WILL BE PROVIDED, SHALL CORRECT CONDITIONS DETRIMENTAL TO THE TIMELY AND PROPER COMPLETION OF THE WORK, AND SHALL NOT PROCEED UNTIL UNSATISFACTORY CONDITIONS ARE CORRECTED.

3.02 METAL FRAMING INSTALLATION: PROVIDE METAL FRAMING INSTALLATION TOLERANCE OF 1:200 HORIZONTALLY AND 1:360 VERTICALLY.

3.03 GYPSUM WALLBOARD FINISHING COMPOUNDS: PROVIDE A GYPSUM ASSOCIATION LEVEL 5 GYPSUM BOARD FINISH.

C. 3.04 OTHER METAL TRIM: THE DRAWINGS DO NOT REPRESENT LOCATIONS AND REQUIREMENTS FOR ALL METAL TRIMS. THE CONTRACTOR

SHALL CAREFULLY REVIEW THE DRAWINGS AND THE INSTALLATION, AND SHALL PROVIDE METAL TRIMS AS TYPICALLY RECOMMENDED.

3.05 CONTROL JOINTS: PROVIDE WALLBOARD CONTROL JOINTS IN ACCORDANCE WITH ASTM C-840 REQUIREMENTS, INCLUDING, BUT NOT LIMITED TO THE FOLLOWING LOCATIONS:

A. WHEREVER A WALL OR PARTITION RUNS IN AN UNINTERRUPTED, STRAIGHT PLANE EXCEEDING 30 LINEAR FEET.

B. WHEREVER A PARTITION, WALL OR CEILING TRAVERSES A CONSTRUCTION JOINT IN THE BASE BUILDING.

C. WHEREVER A CEILING SURFACE EXCEEDS 900 SQ. FT.

### DIVISION NINE: FINISHES

### 09900- PAINTING

PART 1 - GENERAL

1.01 RELATED DOCUMENTS: DRAWINGS AND GENERAL PROVISIONS OF THE CONTRACT, INCLUDING GENERAL AND SUPPLEMENTARY CONDITIONS AND DIVISION-1 SPECIFICATION SECTIONS, APPLY TO THE WORK SPECIFIED IN THIS SECTION.

1.02 DESCRIPTION OF WORK:

A. EXTENT OF PAINTING WORK IS SHOWN ON DRAWINGS AND SCHEDULES, AND AS HEREIN SPECIFIED.

B. PREPARATORY WORK INCLUDING SPACKLING, FILLING, TAPING, SANDING AND OTHER REQUIRED OPERATIONS FOR ALL SURFACES TO BE PAINTED.

C. PAINTING AND FINISHING OF INTERIOR AND EXTERIOR EXPOSED ITEMS AND SURFACES THROUGHOUT PROJECT INCLUDING THE FURNISHING AND APPLYING OF ALL PRIME COATS AND FINISH COATS OF PAINT SCHEDULED TO BE PAINTED SHALL BE PERFORMED UNDER THE GENERAL CONTRACT, EXCEPT AS OTHERWISE INDICATED.

D. THE WORK INCLUDES FIELD PAINTING OF EXPOSED BARE AND COVERED PIPES AND DUCTS (INCLUDING COLOR CODING), AND OF HANGERS, EXPOSED STEEL AND IRON WORK, AND PRIMED METAL SURFACES OF EQUIPMENT INSTALLED UNDER MECHANICAL AND ELECTRICAL WORK, EXCEPT AS OTHERWISE INDICATED.

E. "PAINT" AS USED HEREIN MEANS ALL COATING SYSTEMS MATERIALS, INCLUDING PRIMERS, EMULSIONS, ENAMELS, STAINS, SEALERS AND FILLERS, AND OTHER APPLIED MATERIALS WHETHER USED AS PRIME, INTERMEDIATE OR FINISH COATS.

F. PAINT EXPOSED SURFACES WHETHER OR NOT COLORS ARE DESIGNATED IN "SCHEDULES", EXCEPT WHERE NATURAL FINISH OF MATERIAL IS SPECIFICALLY NOTED AS A SURFACE NOT TO BE PAINTED. WHERE ITEMS OR SURFACES ARE NOT SPECIFICALLY MENTIONED, PAINT SAME AS ADJACENT SIMILAR MATERIALS OR AREAS. IF COLOR OR FINISH IS NOT DESIGNATED, ARCHITECT WILL SELECT THESE FROM STANDARD COLORS AVAILABLE FOR MATERIALS SYSTEMS SPECIFIED. THE FOLLOWING IS ASSUMED AND CONSIDERED PART OF THE PAINTING CONTRACT WHETHER SHOWN ON DRAWINGS OR NOT. IT IS ADVISABLE THAT THE CONTRACTOR REQUEST A WALK-THRU WITH THE ARCHITECT FOR VERIFICATION, HOWEVER THE FOLLOWING IS TO BE UNDERSTOOD:

A. WHEN A PORTION OF A PAINTED WALL OR CEILING IS PATCHED, THE ENTIRE PATCHED WALL OR CEILING SHALL BE PAINTED.
B. WHEN A NEW WALL OF AN ALTERED SPACE IS REQUIRED TO BE PAINTED, REMAINING WALLS OF THAT SPACE SHALL BE PAINTED.
C. WHEN AN ALTERED SPACE IS CHANGED BY THE REMOVAL OF A WALL OR PARTITION, ALL PAINTED WALLS AND CEILING OF THE ALTERED SPACE SHALL BE PAINTED.

1.03 WORK NOT INCLUDED: FOLLOWING CATEGORIES OF WORK ARE NOT INCLUDED AS PART OF FIELD-APPLIED FINISH WORK, OR ARE INCLUDED IN OTHER SECTIONS OF THESE SPECIFICATIONS.

A. SHOP PRIMING: UNLESS OTHERWISE SPECIFIED, SHOP PRIMING OF FERROUS METAL ITEMS IS INCLUDED UNDER VARIOUS SECTIONS FOR STRUCTURAL STEEL, MISCELLANEOUS METAL, HOLLOW METAL WORK, AND SIMILAR ITEMS. ALSO, FOR FABRICATED COMPONENTS SUCH AS ARCHITECTURAL WOODWORK, WOOD CASEWORK, AND SHOP-FABRICATED OR FACTORY-BUILT MECHANICAL AND ELECTRICAL EQUIPMENT OR ACCESSORIES.

B. PRE-FINISH ITEMS: UNLESS OTHERWISE INDICATED, DO NOT INCLUDE PAINTING WHEN FACTORY-FINISHING OR INSTALLER FINISHING IS SPECIFIED FOR SUCH ITEMS AS (BUT NOT LIMITED TO) PREFINISHED PARTITION SYSTEMS, ACOUSTIC MATERIALS, ARCHITECTURAL WOODWORK AND CASEWORK, FINISHED MECHANICAL AND ELECTRICAL EQUIPMENT INCLUDING LIGHT FIXTURES, SWITCHGEAR AND DISTRIBUTION CABINETS, DOORS AND EQUIPMENT.

D. CONCEALED SURFACES: UNLESS OTHERWISE INDICATED, PAINTING IS NOT REQUIRED ON SURFACES SUCH AS WALLS OR CEILINGS IN CONCEALED AREAS AND GENERALLY INACCESSIBLE AREAS, FOUNDATION SPACES, FURRED AREAS AND PIPE SPACES.

E. FINISHED METAL SURFACES: METAL SURFACES OF ANODIZED ALUMINUM, STAINLESS STEEL, CHROMIUM PLATE, COPPER, BRONZE AND SIMILAR FINISHED MATERIALS WILL NOT REQUIRE FINISH PAINTING, UNLESS OTHERWISE INDICATED.

F. OPERATING PARTS AND LABELS: MOVING PARTS OF OPERATING UNITS, MECHANICAL AND ELECTRICAL PARTS, SUCH AS VALVE AND DAMPER OPERATORS, LINKAGES, SENSING DEVICES, MOTOR AND FAN SHAFTS WILL NOT REQUIRE FINISH PAINTING, UNLESS OTHERWISE INDICATED.

G. DO NOT PAINT OVER ANY CODE-REQUIRED LABELS, SUCH AS UNDERWRITERS' LABORATORIES AND FACTORY MUTUAL, OR ANY EQUIPMENT IDENTIFICATION, PERFORMANCE RATING, NAME, OR NOMENCLATURE PLATES.

Riverside Market

New Orleans, LA

CREATE
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45 West 34th Street
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New York, NY 10001

Phone: (212) 297-0880
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Owner / Developer:
Aub Properties Inc.
50 Tice Blvd, Suite 320
Woodcliff Lake, NJ 07677

Structural / M/E/P Engineers:
Thorson Baker + Associates
3030 W. Streetsboro
Richfield, OH 44286

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FRANK J. CAMPISE

Specifications

2525A SP-2

## Specifications (Continued):

1.04 QUALITY ASSURANCE:

A. SINGLE-SOURCE RESPONSIBILITY: PROVIDE PRIMERS AND UNDERCOAT PAINT PRODUCED BY THE SAME MANUFACTURER AS THE FINISH COATS.

1.05 SUBMITTALS:

A. PRODUCT DATA: SUBMIT MANUFACTURER'S TECHNICAL INFORMATION INCLUDING PAINT LABEL ANALYSIS AND APPLICATION INSTRUCTIONS FOR EACH MATERIAL PROPOSED FOR USE.

B. SAMPLES: SUBMIT SAMPLES FOR ARCHITECT'S REVIEW OF COLOR AND TEXTURE ONLY. PROVIDE A LISTING OF MATERIAL AND APPLICATION FOR EACH COAT OF EACH FINISH SAMPLE.

1. ON 12" X 12" HARDBOARD, PROVIDE TWO SAMPLES OF EACH COLOR AND MATERIAL, WITH TEXTURE TO SIMULATE ACTUAL CONDITIONS. RESUBMIT SAMPLES AS REQUESTED BY ARCHITECT UNTIL ACCEPTABLE SHEEN, COLOR, AND TEXTURE IS ACHIEVED.
2. ON ACTUAL WOOD SURFACES, PROVIDE TWO 4" X 8" SAMPLES OF NATURAL AND STAINED WOOD FINISH. LABEL AND IDENTIFY EACH AS TO LOCATION AND APPLICATION.

C. ON ACTUAL WALL SURFACES AND OTHER EXTERIOR AND INTERIOR BUILDING COMPONENTS, DUPLICATE PAINTED FINISHES OF PREPARED SAMPLES. ON AT LEAST 100 SQ. FT. OF SURFACE AS DIRECTED, PROVIDE FULL-COAT FINISH SAMPLES UNTIL REQUIRED SHEEN, COLOR AND TEXTURE IS OBTAINED; SIMULATE FINISHED LIGHTING CONDITIONS FOR REVIEW OF IN-PLACE WORK. COORDINATE WITH ARCHITECT AT LEAST TWO WEEKS PRIOR TO FIELD SAMPLE FOR FIELD VERIFICATION AND APPROVALS.

1.06 DELIVERY AND STORAGE:

A. DELIVER MATERIALS TO JOB SITE IN ORIGINAL, NEW PACKAGES AND CONTAINERS BEARING MANUFACTURER'S NAME AND LABEL, AND FOLLOWING INFORMATION:

NAME OR TITLE OF MATERIAL.
FEDERAL SPECIFICATION NUMBER
MANUFACTURER'S STOCK NUMBER AND DATE OF MANUFACTURER.
MANUFACTURER'S NAME.
CONTENTS BY VOLUME, FOR MAJOR PIGMENT AND VEHICLE CONSTITUENTS.
THINNING INSTRUCTIONS.
APPLICATION INSTRUCTIONS.
COLOR NAME AND NUMBER.

B. STORE MATERIALS USED ON THE JOB INDOORS, IN A SINGLE ROOM OR PLACE DESIGNATED BY THE ARCHITECT OR OWNER'S REPRESENTATIVE. RESTRICT STORAGE TO PAINT MATERIALS AND RELATED EQUIPMENT ONLY. COMPLY WITH HEALTH AND FIRE REGULATIONS.

1.07 JOB CONDITIONS:

A. ENVIRONMENT REQUIREMENTS: COMPLY WITH MANUFACTURER'S RECOMMENDATIONS AS TO ENVIRONMENT CONDITIONS UNDER WHICH COATINGS AND COATING SYSTEMS CAN BE APPLIED. DO NOT APPLY FINISH IN AREAS WHERE DUST IS BEING GENERATED.

B. INTERIOR AREAS TO BE PAINTED SHALL BE CLEAN, WELL LIGHTED AND VENTILATED.

C. APPLY WATER-BASE PAINTS ONLY WHEN TEMPERATURE OF SURFACES TO BE PAINTED AND SURROUNDING AIR TEMPERATURES ARE BETWEEN 50O F. AND 90O F., UNLESS OTHERWISE PERMITTED BY PAINT MANUFACTURER'S PRINTED INSTRUCTIONS.

D. APPLY SOLVENT-THINNED PAINTS ONLY WHEN TEMPERATURE OF SURFACES TO BE PAINTED AND SURROUNDING AIR TEMPERATURES ARE BETWEEN 45O F. AND 90O F., UNLESS OTHERWISE PERMITTED BY PAINT MANUFACTURER'S PRINTED INSTRUCTIONS.

E. EXTERIOR SURFACES TO BE PAINTED: DO NOT APPLY PAINT IN SNOW, RAIN, FOG OR MIST, OR WHEN RELATIVE HUMIDITY EXCEEDS 85%; OR TO DAMP OR WET SURFACES, UNLESS OTHERWISE PERMITTED BY PAINT MANUFACTURER'S PRINTED INSTRUCTIONS.

F. DO NOT PAINT SURFACES EXPOSED TO HOT SUN.

G. PAINTING MAY BE CONTINUED DURING INCLEMENT WEATHER IF AREAS AND SURFACES TO BE PAINTED ARE ENCLOSED AND HEATED WITHIN TEMPERATURE LIMITS SPECIFIED BY PAINT MANUFACTURER DURING APPLICATION AND DRYING PERIODS.

1.08 PROTECTION: SAFEGUARD ALL SURFACES NOT TO BE PAINTED FROM PAINT DAMAGE. PROTECT STORE CONSTRUCTION, FIXTURES, FURNISHING, EQUIPMENT AND MERCHANDISE BY PROPERLY COVERING AND MASKING OR BY OTHER ACCEPTED METHODS.

A. HARDWARE: EXCEPT FOR HARDWARE TO BE PAINTED, REMOVE EXPOSED HARDWARE FROM DOORS AND FRAMES SCHEDULED TO BE PAINTED OR PROTECT BY MASKING OR OTHER SUITABLE MEANS.

B. FLOORS: PROTECT WITH DROP CLOTHS, TAPED DOWN KRAFT PAPER, OR OTHER SUITABLE COVERING. PROTECT NOT ONLY THE IMMEDIATE AREAS UNDER CEILINGS AND WALLS TO BE PAINTED, BUT ALSO THOSE FLOOR AREAS SUBJECT TO THE TRAFFIC OF PAINTING WORKMEN.

C. LIGHTING FIXTURES IN CONTACT WITH OR FLUSH WITH CEILINGS AND WALLS TO BE PAINTED ARE TO BE REMOVED OR LOWERED TO PERMIT PAINTING OF THE IMMEDIATE CEILING AREA. LIGHTING FIXTURES INCLUDING STEMS AND ESCUTCHEONS SHALL BE PROPERLY COVERED. AFTER PAINTING, LIGHTING FIXTURES TO BE RESTORED TO THEIR FORMER POSITION.

### PART 2 - PRODUCTS

2.01 COLORS AND FINISHES:

A. PAINT COLORS, SURFACE TREATMENTS, AND FINISHES, ARE INDICATED ON THE CONTRACT DOCUMENTS.

B. PRIOR TO BEGINNING WORK, ARCHITECT WILL APPROVE COLOR CHIPS FOR SURFACES TO BE PAINTED.

1. USE REPRESENTATIVE COLORS WHEN PREPARING SAMPLES FOR REVIEW.
2. FINAL ACCEPTANCE OF COLORS WILL BE FROM SAMPLES APPLIED ON THE JOB BY ARCHITECT.

C. COLOR PIGMENTS: PURE, NON-FADING, APPLICABLE TYPES TO SUIT SUBSTRATES AND SERVICE INDICATED.

2.02 PAINT COORDINATION:

A. PROVIDE FINISH COATS WHICH ARE COMPATIBLE WITH PRIME PAINTS USED. REVIEW OTHER SECTIONS OF THESE SPECIFICATIONS IN WHICH PRIME PAINTS ARE TO BE PROVIDED TO ENSURE COMPATIBILITY OF TOTAL COATINGS SYSTEM FOR VARIOUS SUBSTRATES. UPON REQUEST FROM OTHER TRADES, FURNISH INFORMATION ON CHARACTERISTICS OF FINISH MATERIALS PROPOSED FOR USE, TO ENSURE COMPATIBLE PRIME COATS ARE USED. PROVIDE BARRIER COATS OVER INCOMPATIBLE PRIMERS OR REMOVE AND REPRIME AS REQUIRED. NOTIFY ARCHITECT IN WRITING OF ANY ANTICIPATED PROBLEMS USING SPECIFIED COATING SYSTEMS WITH SUBSTRATES PRIMED BY OTHERS.

2.03 MATERIAL QUALITY:

A. PROVIDE BEST QUALITY GRADE OF VARIOUS TYPES OF COATINGS AS REGULARLY MANUFACTURED BY ACCEPTABLE PAINT MATERIALS MANUFACTURERS. MATERIALS NOT DISPLAYING MANUFACTURER'S IDENTIFICATION AS A STANDARD, BEST-GRADE PRODUCT WILL NOT BE ACCEPTABLE.

B. MANUFACTURER'S PRODUCTS WHICH COMPLY WITH COATING QUALITATIVE REQUIREMENTS OF APPLICABLE FEDERAL SPECIFICATIONS, YET DIFFER IN QUANTITATIVE REQUIREMENTS, MAY BE CONSIDERED FOR USE WHEN ACCEPTABLE TO ARCHITECT. FURNISH MATERIAL DATA AND MANUFACTURER'S CERTIFICATE OF PERFORMANCE TO ARCHITECT FOR ANY PROPOSED SUBSTITUTIONS.

C. APPROVED MANUFACTURERS: THE FOLLOWING ARE AMONG THOSE MANUFACTURERS THAT COMPLY WITH THESE SPECIFICATIONS:

TYPICAL PAINT PRODUCTS:

THE SHERWIN WILLIAMS CO.
GLIDDEN COATINGS & RESINS
BENJAMIN MOORE & CO.
PPG INDUSTRIES INC.
PRATT & LAMBERT, INC.

2.04 UNIT MASONRY, CONCRETE, (SYNTHETIC) STUCCO, CEMENT PLASTER:

2.05 PAINT FINISH SCHEDULE: EXCEPT WHERE OTHERWISE SPECIFIED, SELECT PAINT MATERIALS FROM THE FOLLOWING SCHEDULE. MATERIALS SELECTED FOR COATING SYSTEMS FOR EACH SURFACE DESIGNATION SHALL BE OF ONE PAINT TYPE AND THE PRODUCT OF A SINGLE MANUFACTURER.

A. REFER TO ARCHITECTURAL DRAWINGS FOR PAINT COLORS AND PAINT TYPE FINISHES. CONSULT ARCHITECT FOR SURFACES INADVERTENTLY OMITTED OR OTHERWISE NOT REPRESENTED. SURFACE DESIGNATIONS SPECIFIED ARE PRIMARILY BASIC CLASSIFICATIONS OF SURFACES UPON WHICH THE VARIOUS PAINTS SPECIFIED MAY BE APPLIED. FINAL DETERMINATION SHALL BE AS INDICATED ON CONTRACT DRAWINGS AND AS APPROVED BY ARCHITECT.

B. PROVIDE UNDERCOAT PAINT PRODUCED BY SAME MANUFACTURER AS FINISH COATS. USE ONLY THINNERS APPROVED BY PAINT MANUFACTURER, AND USE ONLY WITHIN RECOMMENDED LIMITS.

PROVIDE FOLLOWING PAINT SYSTEMS FOR VARIOUS SUBSTRATE, AS INDICATED:

EXTERIOR PAINT SYSTEMS
CONCRETE & POURED CONCRETE

FILLER FOR POROUS SURFACES:

| MINIMUM REQUIREMENTS: | | SOLIDS CONTENT: | |
|---|---|---|---|
| TITANIUM DIOXIDE | - 3.5% | BY WEIGHT | - 59.1% |
| RESIN | - 9.0% | BY VOLUME | - 38.8% |

FLAT: 2ND & 3RD COATS - LATEX

| MINIMUM REQUIREMENTS: | | SOLIDS CONTENT: | |
|---|---|---|---|
| TITANIUM DIOXIDE | - 19.5% | BY WEIGHT | - 54.3% |
| RESIN | - 15.8% | BY VOLUME | - 36.8% |

METALS:

PRIME COAT: 1ST COAT - LATEX

| MINIMUM REQUIREMENTS: | | SOLIDS CONTENT: | |
|---|---|---|---|
| TITANIUM DIOXIDE | - 13.9% | BY WEIGHT | - 49.2% |
| RESIN | - 29.1% | BY VOLUME | - 38.8% |

GLOSS: 2ND & 3RD COATS - LATEX

| MINIMUM REQUIREMENTS: | | SOLIDS CONTENT: | |
|---|---|---|---|
| TITANIUM DIOXIDE | - 21.4% | BY WEIGHT | - 38.8% |
| RESIN | - 24.6% | BY VOLUME | - 31.0% |

WOODWORK AND TRIM:

PRIME COAT: 1ST COAT - LATEX

| MINIMUM REQUIREMENTS: | | SOLIDS CONTENT: | |
|---|---|---|---|
| TITANIUM DIOXIDE | - 14.2% | BY WEIGHT | - 49.4% |
| RESIN | - 30.2% | BY VOLUME | - 39.7% |

SOFT GLOSS: 2ND & 3RD COATS - LATEX

| MINIMUM REQUIREMENTS: | | SOLIDS CONTENT: | |
|---|---|---|---|
| TITANIUM DIOXIDE | - 24.6% | BY WEIGHT | - 50.2% |
| RESIN | - 23.1% | BY VOLUME | - 35.3% |

FLAT: 2ND & 3RD COATS - LATEX

| MINIMUM REQUIREMENTS: | | SOLIDS CONTENT: | |
|---|---|---|---|
| TITANIUM DIOXIDE | - 19.5% | BY WEIGHT | - 54.3% |
| RESIN | - 15.8% | BY VOLUME | - 36.8% |

### PART 3 - EXECUTION

3.01 INSPECTION:

A. APPLICATOR MUST EXAMINE AREAS AND CONDITIONS UNDER WHICH PAINTING WORK IS TO BE APPLIED AND NOTIFY CONTRACTOR IN WRITING OF CONDITIONS DETRIMENTAL TO PROPER AND TIMELY COMPLETION OF WORK. DO NOT PROCEED WITH WORK UNTIL UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED IN A MANNER ACCEPTABLE TO APPLICATOR.

B. STARTING OF PAINTING WORK WILL BE CONSTRUED AS APPLICATOR'S ACCEPTANCE OF SURFACES AND CONDITIONS WITHIN ANY PARTICULAR AREA.

C. DO NOT PAINT OVER DIRT, RUST, SCALE, GREASE, MOISTURE, SCUFFED SURFACES, OR CONDITIONS OTHERWISE DETRIMENTAL TO FORMATION AND ADHESION OF A DURABLE PAINT FILM.

D. SURFACE PREPARATION: PERFORM PREPARATION AND CLEANING PROCEDURES IN ACCORDANCE WITH PAINT MANUFACTURER'S INSTRUCTIONS AND AS HEREIN SPECIFIED, FOR EACH PARTICULAR SUBSTRATE CONDITION.

1. CLEAN SURFACES TO BE PAINTED BEFORE APPLYING PAINT OR SURFACE TREATMENTS. REMOVE OIL AND GREASE PRIOR TO MECHANICAL CLEANING. PROGRAM CLEANING AND PAINTING SO THAT CONTAMINANTS FROM CLEANING PROCESS WILL NOT FALL ONTO WET, NEWLY-PAINTED SURFACES.

E. CEMENTITIOUS MATERIALS: PREPARE SURFACES BY SCRAPING AND BRUSHING TO REMOVE ALL DIRT, FOREIGN MATTER, MORTAR SPATTER, NIBS AND OLD LOOSE OR FLAKING PAINT. OIL AND GREASE SHALL FIRST BE REMOVED WITH SOLVENTS, OR DETERGENT WASHING.

1. DETERMINE ALKALINITY AND MOISTURE CONTENT OF SURFACES TO BE PAINTED BY PERFORMING APPROPRIATE TESTS. IF SURFACES ARE FOUND TO BE SUFFICIENTLY ALKALINE TO CAUSE BLISTERING AND BURNING OF FINISH PAINT, CORRECT THIS CONDITION BEFORE APPLICATION OF PAINT. DO NOT PAINT OVER SURFACES WHERE MOISTURE CONTENT EXCEEDS THAT PERMITTED IN MANUFACTURER'S PRINTED DIRECTIONS.

F. WOOD: CLEAN WOOD SURFACES TO BE PAINTED OF DIRT, OIL, OR OTHER FOREIGN SUBSTANCES WITH SCRAPERS, MINERAL SPIRITS, AND SANDPAPER, AS REQUIRED. SANDPAPER SMOOTH THOSE FINISHED SURFACES EXPOSED TO VIEW, AND DUST OFF. SCRAPE AND CLEAN SMALL, DRY, SEASONED KNOTS AND APPLY A THIN COAT OF WHITE SHELLAC OR OTHER RECOMMENDED KNOT SEALER, BEFORE APPLICATION OF PRIMING COAT. AFTER PRIMING, FILL HOLES AND IMPERFECTIONS IN FINISH SURFACES WITH PUTTY OR PLASTIC WOOD-FILLER. SANDPAPER SMOOTH WHEN DRIED.

G. FERROUS METALS: CLEAN FERROUS SURFACES, WHICH ARE NOT GALVANIZED OR SHOP-COATED, OF OIL, GREASE, DIRT, LOOSE MILL SCALE AND OTHER FOREIGN SUBSTANCES BY SOLVENT OR MECHANICAL CLEANING.

H. TOUCH-UP SHOP-APPLIED PRIME COATS WHEREVER DAMAGED OR BARE, WHERE REQUIRED BY OTHER SECTIONS OF THESE SPECIFICATIONS. CLEAN AND TOUCH-UP WITH SAME TYPE SHOP PRIMER.

3.02 MATERIALS PREPARATION:

A. MIX AND PREPARE PAINTING MATERIALS IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS.

B. STORE MATERIALS NOT IN ACTUAL USE IN TIGHTLY COVERED CONTAINERS. MAINTAIN CONTAINERS USED IN STORAGE, MIXING AND APPLICATION OF PAINT IN A CLEAN CONDITION, FREE OF FOREIGN MATERIALS AND RESIDUE.

C. STIR MATERIALS BEFORE APPLICATION TO PRODUCE A MIXTURE OF UNIFORM DENSITY, AND STIR AS REQUIRED DURING APPLICATION. DO NOT STIR SURFACE FILM INTO MATERIAL. REMOVE FILM AND, IF NECESSARY, STRAIN MATERIAL BEFORE USING.

3.03 APPLICATION: APPLY PAINT IN ACCORDANCE WITH MANUFACTURER'S DIRECTIONS. USE APPLICATORS AND TECHNIQUES BEST SUITED FOR SUBSTRATE AND TYPE OF MATERIAL BEING APPLIED.

A. APPLY ADDITIONAL COATS WHEN UNDERCOATS, STAINS OR OTHER CONDITIONS SHOW THROUGH FINAL COAT OF PAINT, UNTIL PAINT FILM IS OF UNIFORM FINISH, COLOR AND APPEARANCE. GIVE SPECIAL ATTENTION TO INSURE THAT SURFACES, INCLUDING EDGES, CORNERS, CREVICES, WELDS, AND EXPOSED FASTENERS RECEIVE A DRY FILM THICKNESS EQUIVALENT TO THAT OF FLAT SURFACES.

B. PAINT SURFACES BEHIND MOVABLE EQUIPMENT AND FURNITURE SAME AS SIMILAR EXPOSED SURFACES. PAINT SURFACES BEHIND PERMANENTLY-FIXED EQUIPMENT OR FURNITURE WITH PRIME COAT ONLY BEFORE FINAL INSTALLATION OF EQUIPMENT.

C. PAINT INTERIOR SURFACES OF DUCTS, WHERE VISIBLE THROUGH REGISTERS OR GRILLES, WITH A FLAT, NON-SPECULAR BLACK PAINT.

D. PAINT BACK SIDES OF ACCESS PANELS, AND REMOVABLE OR HINGED COVERS TO MATCH EXPOSED SURFACES.

E. FINISH EXTERIOR DOORS ON TOPS, BOTTOMS AND SIDE EDGES SAME AS EXTERIOR FACES, UNLESS OTHERWISE INDICATED.

F. SAND LIGHTLY BETWEEN EACH SUCCEEDING ENAMEL OR VARNISH COAT.

G. OMIT FIRST COAT (PRIMER) ON METAL SURFACES WHICH HAVE BEEN SHOP-PRIMED AND TOUCH-UP PAINTED, UNLESS OTHERWISE INDICATED.
SCHEDULING PAINTING: APPLY FIRST-COAT MATERIAL TO SURFACES THAT HAVE BEEN CLEANED, PRETREATED OR OTHERWISE PREPARED FOR PAINTING AS SOON AS PRACTICABLE AFTER PREPARATION AND BEFORE SUBSEQUENT SURFACE DETERIORATION.

1. ALLOW SUFFICIENT TIME BETWEEN SUCCESSIVE COATINGS TO PERMIT PROPER DRYING. DO NOT RECOAT UNTIL PAINT HAS DRIED TO WHERE IT FEELS FIRM, DOES NOT DEFORM OR FEEL STICKY UNDER MODERATE THUMB PRESSURE, AND APPLICATION OF ANOTHER COAT OF PAINT DOES NOT CAUSE LIFTING OR LOSS OF ADHESION OF THE UNDERCOAT.

H. MINIMUM COATING THICKNESS: APPLY MATERIALS AT NOT LESS THAN MANUFACTURER'S RECOMMENDED SPREADING RATE, TO ESTABLISH A TOTAL DRY FILM THICKNESS AS INDICATED OR, IF NOT INDICATED, AS RECOMMENDED BY COATING MANUFACTURER.

I. MECHANICAL AND ELECTRICAL WORK: PAINTING OF MECHANICAL AND ELECTRICAL WORK IS LIMITED TO THOSE ITEMS EXPOSED IN MECHANICAL EQUIPMENT ROOMS AND IN OCCUPIED SPACES.

1. MECHANICAL ITEMS TO BE PAINTED INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING:
   A. PIPING, PIPE HANGERS, AND SUPPORTS.
   B. HEAT EXCHANGES.
   C. TANKS.
   D. MOTOR, AND MECHANICAL EQUIPMENT SUPPORTS.
   E. ACCESSORY ITEMS.

J. PRIME COATS: APPLY PRIME COAT OF MATERIAL WHICH IS REQUIRED TO BE PAINTED OR FINISHED, AND WHICH HAS NOT BEEN PRIME COATED BY OTHERS.

1. RECOAT PRIMED AND SEALED SURFACES WHERE THERE IS EVIDENCE OF SUCTION SPOTS OR UNSEALED AREAS IN FIRST COAT, TO ASSURE A FINISH COAT WITH NO BURN-THROUGH OR OTHER DEFECTS DUE TO INSUFFICIENT SEALING.

K. STIPPLE ENAMEL FINISH: ROLL AND REDISTRIBUTE PAINT TO AN EVEN AND FINE TEXTURE. LEAVE NO EVIDENCE OF ROLLING SUCH AS LAPS, IRREGULARITY IN TEXTURE, SKID MARKS, OR OTHER SURFACES IMPERFECTIONS.

L. PIGMENTED (OPAQUE) FINISHES: COMPLETELY COVER TO PROVIDE AN OPAQUE, SMOOTH SURFACE OF UNIFORM FINISH, COLOR, APPEARANCE AND COVERAGE. CLOUDINESS, SPOTTING, HOLIDAYS, LAPS, BRUSH MARKS, RUNS, SAGS, ROPINESS OR OTHER SURFACE IMPERFECTIONS WILL NOT BE ACCEPTABLE.

M. TRANSPARENT (CLEAR) FINISHES: USE MULTIPLE COATS TO PRODUCE GLASS-SMOOTH SURFACE FILM OF EVEN LUSTER. PROVIDE A FINISH FREE OF LAPS, CLOUDINESS, COLOR IRREGULARITY, RUNS, BRUSH MARKS, ORANGE PEEL, NAIL HOLES, OR OTHER SURFACE IMPERFECTIONS.

1. PROVIDE STAIN FINISH FOR FINAL COATS, UNLESS OTHERWISE INDICATED.

N. COMPLETED WORK: MATCH APPROVED SAMPLES FOR COLOR, TEXTURE AND COVERAGE. REMOVE, REFINISH OR REPAINT WORK NOT IN COMPLIANCE WITH SPECIFIED REQUIREMENTS.

3.04 FIELD QUALITY CONTROL:

A. THE RIGHT IS RESERVED BY OWNER AND/OR OWNER'S REPRESENTATIVE TO INVOKE THE FOLLOWING MATERIAL TESTING PROCEDURE AT ANY TIME, AND ANY NUMBER OF TIMES DURING PERIOD OF FIELD PAINTING:

1. ENGAGE SERVICES OF AN INDEPENDENT TESTING LABORATORY TO SAMPLE PAINT BEING USED. SAMPLES OF MATERIALS DELIVERED TO PROJECT SITE WILL BE TAKEN, IDENTIFIED AND SEALED, AND CERTIFIED IN PRESENCE OF CONTRACTOR.
2. TESTING LABORATORY WILL PERFORM APPROPRIATE TESTS FOR ANY OR ALL OF FOLLOWING CHARACTERISTICS: ABRASION RESISTANCE, APPARENT REFLECTIVITY, FLEXIBILITY, WASHABILITY, ABSORPTION, ACCELERATED WEATHERING, DRY OPACITY, ACCELERATED YELLOWNESS, RECOATING, SKINNING, COLOR RETENTION, ALKALI RESISTANCE AND QUANTATIVE MATERIALS AND ANALYSIS.
3. IF TEST RESULTS SHOW THAT MATERIAL BEING USED DOES NOT COMPLY WITH SPECIFIED REQUIREMENTS, CONTRACTOR MAY BE DIRECTED TO STOP PAINTING WORK, AND REMOVE NON-COMPLYING PAINT; PAY FOR TESTING; REPAINT SURFACES COATED WITH REJECTED PAINT; REMOVE REJECTED PAINT FROM PREVIOUSLY PAINTED SURFACES IF, UPON REPAINTING WITH SPECIFIED PAINT, THE TWO COATINGS ARE NON-COMPATIBLE.

3.05 CLEAN-UP AND PROTECTION:

A. CLEAN-UP: DURING ISSUED FOR BID & PERMIT OF WORK, REMOVE FROM SITE DISCARDED PAINT MATERIALS, RUBBISH, CANS AND RAGS AT END OF EACH WORK DAY.

1. UPON COMPLETION OF PAINTING WORK, CLEAN WINDOW GLASS AND OTHER PAINT-SPATTERED SURFACES. REMOVE SPATTERED PAINT BY PROPER METHODS OF WASHING AND SCRAPING, USING CARE NOT TO SCRATCH OR OTHERWISE DAMAGE FINISHED SURFACES.

B. PROTECTION: PROTECT WORK OF OTHER TRADES, WHETHER TO BE PAINTED OR NOT, AGAINST DAMAGE BY PAINTING AND FINISHING WORK. CORRECT ANY DAMAGE BY CLEANING, REPAIRING OR REPLACING, AND REPAINTING, AS ACCEPTABLE TO ARCHITECT.

1. PROVIDE "WET PAINT" SIGNS AS REQUIRED TO PROTECT NEWLY-PAINTED FINISHES. REMOVE TEMPORARY PROTECTIVE WRAPPINGS PROVIDED BY OTHERS FOR PROTECTION OF THEIR WORK, AFTER COMPLETION OF PAINTING OPERATIONS.

C. AT THE COMPLETION OF WORK OF OTHER TRADES, TOUCH-UP AND RESTORE ALL DAMAGED OR DEFACED PAINTED SURFACES.

Riverside Market

New Orleans, LA

**CREATE**
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Structural / M/E/P Engineers:
**Thorson Baker + Associates**
3030 W. Streetsboro
Richfield, OH 44286

| Rev: | Date: | Description: |
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| | 09/08/2026 | ISSUED FOR BID & PERMIT |
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FRANK J CAMPIONE
REG. NO 9673
STATE OF LOUISIANA
REGISTERED ARCHITECT
LICENSE # 9673
EXP. 12/31/26

Specifications

SHERMAN
STRATEGIES LLC

To: City Planning Commission – Design Advisory Committee
Re: Updates to 5400 Tchoupitoulas Street (former Winn-Dixie)
Date: September 11, 2026

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This proposal is for updates to the building at 5400 Tchoupitoulas Street, formerly a Winn-Dixie grocery store. The majority of the changes are repairing and replacing existing materiality in kind. The building will be divided into two tenant spaces with a demising wall down the center. The tenant spaces will be 25,400 sf and 23,100 sf respectively.

The left side of the building is for a new grocery store tenant. The right side of the building is TBD.

The design proposes parapet changes to the building for a parapet that more easily allows for two tenant signs.

There are no changes to the parking lot proposed at this time.

800 Baronne Street | New Orleans, LA 70113 | 504 799 9335

CITY OF NEW ORLEANS
**ONE STOP**
PERMITS & LICENSES

Building/Construction
Related Permit

**Date** ____________ **Received by** ______________
**Tracking Number** ______________________

# DEVELOPMENT PLAN AND DESIGN REVIEW APPLICATION

**Please submit complete applications via email to CPCinfo@nola.gov. Applicants without the ability to submit via email should contact (504) 658-7300 to make alternative arrangements. Incomplete applications will not be accepted and will be returned to the applicant. Review time depends on the complexity of the project and can take up to 90 days.**

Type of application: ○ Design Review ○ Interim Zoning Districts Appeal ○ Moratorium Appeal

Property Location 5400 Tchoupitoulas Street

## APPLICANT INFORMATION

Applicant Identity: ○ Property Owner ○ Agent

Applicant Name Sherman Strategies, LLC (Avery Foret)

Applicant Address 800 Baronne Street

City New Orleans State LA Zip 70115

Applicant Contact Number (504) 301-5228 Email avery@shermanstrategiesllc.com

## PROPERTY OWNER INFORMATION

SAME AS ABOVE ☐

Property Owner Name Shadrall Riverside Market LLC (Michael Bernardo)

Property Owner Address 100 Conti Street

City New Orleans State LA Zip 70130

Property Owner Contact Number (781) 405-6238 Email mbernardo@aubproperties.com

## PROJECT DESCRIPTION

Facade maintenance to the former Winn-Dixie building to make way for new tenants. Changes to the parapet design.

## REASON FOR REVIEW (REQUIRED FOR DESIGN REVIEW)

**Design Overlay District Review**

☐ Character Preservation Corridor
☐ Riverfront Design Overlay
X ☐ Enhancement Corridor
☐ University Area Design Overlay
☐ Corridor Transformation
☐ Greenway Corridor
☐ Others as required

**Non-Design Overlay District Review**

☐ Development over 40,000 sf
☐ Public Market
☐ CBD FAR Bonus
☐ Wireless Antenna/Tower
☐ Educational Facility

☐ Changes to Approved Plans
☐ DAC Review of Public Projects
☐ Others as Required

Development with 100' or more of frontage. CZO Section 4.5.B.3.b.

## ADDITIONAL INFORMATION

Current Use Vacant, former grocery store

Proposed Use Partially grocery store; partially TBD

Square Number 70A

Lot Number ____________

Permeable Open Space (sf) ____________

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| New Development? | Yes ○ | No ○ | Addition? | Yes ○ | No ○ | Tenant Width | n/a |
| Existing Structure(s)? | Yes ○ | No ○ | Renovations? | Yes ○ | No ○ | Building Width | approx 220' |
| Change in Use? | Yes ○ | No ○ | Existing Signs? | Yes ● | No ○ | Lot Width (sf) | 248' |
| New Sign(s)? | Yes ○ | No ○ | Lot Area (sf) | approx 11k sf | | BuildingArea (sf) | 47,600sf |

CITY OF NEW ORLEANS
**ONE STOP**
PERMITS & LICENSES

Building/Construction
Related Permit

**Date** ____________ **Received by**________________
**Tracking Number** ___________________________

# DEVELOPMENT PLAN AND DESIGN REVIEW APPLICATION

## REQUIRED ATTACHMENTS (One digital copy)

### 1. SITE PLAN

- ○ North arrow, scale, and date of plan
- ○ Location, dimensions, and area of permeable open space
- ○ Name, address of the professional who prepared the plan
- ○ Legend of symbols, patterns, and abbreviations used
- ○ The entire lot(s), including area and property lines dimensioned (including gross area of the site)
- ○ Curb cuts, interior streets, driveways, and parking and loading areas with dimensions and total area (sf)
- ○ Location and dimensions of buildings and structures, including total floor area and distance from property lines
- ○ Location of adjacent buildings
- ○ Location of refuse storage locations
- ○ Proposed right-of-way improvements including sidewalks and plantings, and pedestrian walkways
- ○ Fence location, height, and materials

### 2. FLOOR PLAN

- ○ Indicating the dimensions and square footage of proposed development
- ○ Room use
- ○ Location of all walls, doors, and windows
- ○ Location of all plumbing fixtures
- ○ Location of major appliances/mechanical equipment
- ○ Stairway location
- ○ Firewall location (if applicable)

### 3. ARCHITECTURAL ELEVATIONS

- ○ Architectural elevations of each side of the proposed structure drawn to scale indicating height, ground floor ceiling, ground floor transparency, architectural elements, materials, colors, and textures proposed for any structures.

### 4. LIGHTING PLAN

- ○ Location of all exterior lighting, including those mounted on poles and walls
- ○ Types, style, height, and the number of fixtures
- ○ Manufacturer's illustrations and specifications of fixtures

### 5. SIGNAGE PLAN

- ○ Proposed Signage with overall height, width, and materials
- ○ Building Elevation (including building width and height)
- ○ Site plan showing the location of all proposed detached sign(s) along with setback dimensions.

### 6. LANDSCAPE PLAN

- ○ Name and address of professional who prepared the plan.
- ○ Landscape plans shall be prepared by a registered landscape architect licensed by the Louisiana Horticulture Commission
- ○ All landscape plans shall meet the minimum requirements of site plans
- ○ Legend defining all symbols, patterns, and abbreviations used
- ○ Location, quantity, size, name, and condition (both botanical and common) of all existing and proposed plant materials and trees.
- ○ Description of all tree preservation measures on-site and in the public right-of-way
- ○ Width, depth, and area of landscaped area(s)
- ○ Proposed right-of-way improvements and pedestrian walkways

*Planting proposed in the right-of-way must have Parks and Parkways approval*

### 7. PHOTOS

- ○ Photographs of the subject site and/or building

### 8. NARRATIVE

- ○ Narrative addressing compliance with applicable Comprehensive Zoning Ordinance requirements and design goals

### 9. COLOR ELEVATIONS/RENDERING (DAC ONLY)

- ○ Color elevations and/or renderings are required for projects that trigger review by the Design Advisory Committee

### 10. SUPPLEMENT 'A' (UNIVERSITY AREA DESIGN OVERLAY)

- ○ Additional submittal requirements for the University Area Design Overlay

## FEES

| | |
|---|---|
| Design Review | $225 |
| CBD Demolitions | $500 |
| Moratorium Appeals | $1,000 |