

REVISONS		DATE
LL & ULTRA REVIEW		02/27/2024
BID ISSUE		
PERMIT ISSUE		02/28/2024
BIO ADDENDUM - SECTION 1		02/28/2024
BIO ADDENDUM - SECTION 2		04/18/2024
PERMIT RESUBMITTAL - REVISION 3		06/02/2024

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SEAL: 05/02/2024

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# CULTA BEAUTY

ULTA #1865  
 HILFIERK SHOPPING CENTER  
 4455 SE COMMERCIAL STREET  
 SUITE 130  
 SALEM, OR 97302

COVER SHEET

DRAWN BY  
 JS

CHECKED BY  
 LR

JOB NUMBER  
**23472**

SHEET NAME  
**CS1.0**



DESCRIPTION

DOES NOT APPLY

EXIST TO REMAIN

LANDLORD FURN.

INST.

ULTA G.C. FURN.

INST.

ULTA FURN.

INST.

REMARKS

DIVISION 01: GENERAL REQUIREMENTS

AS APPLICABLE

DIVISION 02: SITE WORK

DEMOLITION

SITE WORK

PLYWOOD BARRICADES

REMOVE ALL THINSETS AND ADHESIVES

DIVISION 03: CONCRETE

CONCRETE SLAB

CONCRETE PAD AT WATER HEATER

CONCRETE RECEIVING PAD/LOADING DOCK

DIVISION 04: MASONRY

MASONRY WALL

DIVISION 05: METALS

STRUCTURAL FRAMING SYSTEMS

STEEL LINTELS, H-FRAMES, RTU-CURBS, MISC. FABRICATION.

REINFORCEMENT FOR HVAC EQUIPMENT

DIVISION 06: WOOD AND PLASTICS

ROUGH CARPENTRY

FINISH CARPENTRY

MILL WORK

RESTROOM TRIM AND MOLDINGS

WALL BLOCKING

BLOCKING FOR PERIMETER WALL FIXTURES IN SALES AREA

WALL BLOCKING FOR EXTERIOR WALL SIGNS

DIVISION 07: THERMAL AND MOISTURE CONTROL

ROOF INSULATION

ROOF ACCESS AND LADDER

INSULATION IN EXTERIOR PERIMETER WALLS AND DEMISING WALLS

INSULATION IN INTERIOR PARTITION WALLS

ROOF PATCHING

DIVISION 08: DOORS, WINDOWS AND GLASS

EXTERIOR DOORS, FRAMES AND HARDWARE

INTERIOR DOORS, FRAMES AND HARDWARE

STOREFRONT GLAZING SYSTEM

DOOR VISION PANELS WITH ONE WAY MIRRORS/GLAZING

COLUMN ENCLOSURES

STOREFRONT MODIFICATION

VESTIBULE SYSTEM, SOFFIT ABOVE, CEILING, LIGHTING, DOORS AND HARDWARE

INTERIOR ENTRY ARCH PORTAL

INTERIOR ENTRY ARCH DOORS AND HARDWARE

HANDRAILS

ROLLING GRILLE

RIOT GLASS

WINDOW SECURITY FILM

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REMARKS

DIVISION 09: FINISHES

DEMISING PARTITION

METAL STUD AND GYPSUM BOARD FURRING ON MASONRY PERIMETER WALLS

METAL STUD / GYPSUM BOARD (INTERIOR PARTITION WALLS)

FURRED GYPSUM BOARD ON MASONRY WALLS / CONCRETE

ACOUSICAL TILE CEILING

PORCELAIN TILE

VINYL STRIP FLOOR TILE VT-11

VINYL FLOOR TILE VT-8 AND VT-9

WALL BASE (ALL PERIMETER WALL FIXTURES)

WALL BASE (ALL WALLS AND COLUMNS)

FLOOR TRANSITION STRIPS

WALL COVERING VINYL

PAINTING EXTERIOR FACADE

PAINTING OF INTERIOR GYPSUM BOARD AT STOREFRONT

PAINTING INTERIOR PARTITIONS

PAINTING INTERIOR DOORS AND FRAMES/WINDOW FRAMES

PERIMETER WALL FIXTURES

FRP PANELS

WINDOW SHADES

METAL PANELS AT INTERIOR STOREFRONT

DIVISION 10: MISCELLANEOUS SPECIALTIES

TOILET ROOM ACCESSORIES

SALON STATION MRRORS

EXTERIOR SIGNS

LED LETTER SET FOR INTERIOR MALL ENTRY

CASH COUNTER/RECEPTION DESK

SALES AREA FIXTURES

INTERIOR SIGNAGE AND GRAPHICS (NON-ILLUMINATED)

INTERIOR SIGNAGE (ILLUMINATED)

RECEIVING ROOM SHELVING, UPRIGHTS AND BRACKETS

SOUND SYSTEM AND SPEAKERS

SALON FIXTURES/SEATING/WALL CABINETS

OFFICE FIXTURES, SHELVING, UPRIGHTS AND BRACKETS

SAFE

COFFEE MAKER

REFRIGERATORS

FIRE EXTINGUISHERS

SECURITY SYSTEMS

LOCKERS

SALON TIP BOX

DRAWING STORAGE TUBE

EXTERIOR AWNINGS

WALL STORAGE SYSTEM

DESCRIPTION

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ULTA FURN.

INST.

REMARKS

DIVISION 15: MECHANICAL

ROOF TOP UNITS/HVAC EQUIPMENT

ROOF DRAINAGE

CONDENSATE DRAINAGE

HVAC DISTRIBUTION

WASHER DRYER VENTS

GAS WATER HEATER INTAKE AND EXHAUST, 6" TYPE B VENT AND ROOF PENETRATION

ONE 10" ROUND DUCT WITH ROOF CAP MODEL GREENHECK HGRS-10.

ONE 10" DIAMETER EXHAUST VENT WITH GOOSE-NECK TERMINATION.

ROOF MOUNTED EXHAUST FAN

WATER SUPPLY, STUB IN TO SPACE

WATER SUPPLY DISTRIBUTION

SANITARY STUB IN TO SPACE

SANITARY ROOF VENTS

SANITARY SEWER ROUGH-INS FOR PLUMBING FIXTURES

WATER CLOSET, URINAL, ELECTRIC WATER COOLERS

RESTROOM SINKS

SINKS IN MILLWORK

GAS LINE STUB IN FOR WH

UTILITES TO ROOF TOP UNITS

GAS /ELECTRIC WATER HEATER

SHAMPOO SINKS

SPRINKLER MAIN AND SPRINKLER SYSTEM INCLUDING DESIGN, HEADS AND ACCESSORIES

DIVISION 16: ELECTRICAL

SERVICE MAIN(SUB-PANELS ) TRANSFORMERS

ADD'L SUB-PANELS DISTRIBUTION, J-BOXES, WIRING AND OUTLETS

UNDERGROUND CONDUIT AND J-BOXES

CIRCUIT BREAKERS

FLOOR BOXES

UNDERGROUND WIRING AND BOXES

WIRING AND J-BOXES FOR FIXTURES

EXTERIOR SIGN WIRING AND TIME CLOCKS

STOREFRONT SIGNAGE

EXTERIOR SITE LIGHTING

INTERIOR GENERAL/EXTERIOR BUILDING/ACCIDENT LIGHTING WITH LAMPS

WIRING AND J-BOX FOR INTERIOR LIGHTING AND TIMERS

INTERIOR ACCENT LIGHTING WITH LAMPS

EXIT AND EMERGENCY LIGHTING

POWER REQUIREMENTS FOR MECHANICAL EQUIPMENT

WEATHER PROOF RECEPTACLE AT EACH HVAC UNIT

DOOR CHIME WITH TRANSFORMER AND PUSH BUTTON

FIRE ALARM SYSTEM

CHECKPOINT SECURITY SYSTEM

SECURITY SYSTEM (GENERAL)

CONDUIT, J-BOXES, COVERPLATES FOR SOUND SYSTEM

CONDUIT, J-BOXES, COVERPLATES FOR TELEPHONES

CONDUIT, SECURITY SYSTEM, J-BOXES COVERPLATES

TELEPHONE SERVICE CONDUIT STUB

TELEPHONE BOARD

TEMP LIGHTING DURING CONSTRUCTION PER OSHA STANDARDS

LIGHTING INVERTER

REFER TO GENERAL NOTES

SEE MECHANICAL DRAWINGS AND NOTES INCLUDES GAS PIPING. SEE MECHANICAL DRAWINGS AND NOTES.

SEE MECHANICAL DRAWINGS FOR LOCATIONS AND NOTES.

SEE MECHANICAL DRAWINGS FOR LOCATIONS AND NOTES.

SEE MECHANICAL DRAWINGS FOR LOCATIONS AND NOTES.

SEE PLUMBING DRAWINGS FOR LOCATIONS AND NOTES.

SEE PLUMBING DRAWINGS FOR LOCATIONS AND NOTES.

SEE PLUMBING DRAWINGS FOR LOCATIONS AND NOTES. G.C. TO PROVIDE 4" SANITARY SEWER LINE AT REAR OF SPACE, THE INVERT SHALL BE NO HIGHER THAN 43" BELOW FINISHED FLOOR.

G.C. TO PROVIDE TWO SANITARY ROOF VENTS. SEE PLUMBING DRAWINGS FOR MORE INFORMATION.

SEE PLUMBING DRAWINGS FOR LOCATIONS & NOTES. G.C. TO PROVIDE ULTA PROJECT MANAGER WITH ROD AND SCOPE VIDEO SCOPE OF SEWER LINES TO LANDLORD'S MAN PRIOR TO CONSTRUCTION START AND TURNING SPACE OVER TO ULTA, COPY OF VIDEO TO BE PROVIDED TO PROJECT MANAGER AT TIME OF PUNCHLIST.

SEE PLUMBING DRAWINGS FOR LOCATIONS & NOTES. PLUMBING FIXTURE SCHEDULE

SEE PLUMBING DRAWINGS FOR LOCATIONS & NOTES. PLUMBING FIXTURE SCHEDULE

SEE PLUMBING DRAWINGS FOR LOCATIONS & NOTES. PLUMBING FIXTURE SCHEDULE

SEE PLUMBING DRAWINGS FOR LOCATIONS AND NOTES. G.C. TO PROVIDE APPROPRIATELY SIZED LOW PRESSURE GAS LINE STUB INTO SPACE FOR WATER HEATER. G.C. TO VERIFY LOCATION OF ANY EXISTING STUB IN FIELD.

G.C. TO PROVIDE FULLY FUNCTIONING UNITS CONNECTED TO THE GAS AND ELECTRIC SERVICE. THEY ARE TO BE OPERATIONAL AND POWERED UP AS OF THE PREMISES DELIVERY DATE. THE G.C. SHALL COORDINATE A FACTORY START-UP FOR EACH HVAC UNIT AFTER INSTALLATION OF DUCTWORK IS COMPLETED.

G.C. WILL MODIFY EXISTING AUTOMATIC FIRE SPRINKLER SYSTEM TO HAVE MAINS THROUGHOUT TIGHT TO THE UNDERSIDE OF ROOF STRUCTURE MIN 19" A.F.F. AND TURNED UP HEADS AT THE TIME OF LANDLORD TURNOVER. PER LOCAL REQUIREMENTS G.C. TO PREPARE SPRINKLER SYSTEM DRAWINGS AND SUBMIT FOR SEPARATE PERMIT AS REQUIRED FOR MODIFICATION OF SYSTEM TO ACCOMMODATE INTERIOR TENANT LAYOUT. G.C. TO SUBMIT SPRINKLER DRAWINGS TO ULTA FOR REVIEW.

SEE ENGINEERING DRAWINGS FOR NOTES.

SEE ENGINEERING DRAWINGS FOR NOTES

SEE ENGINEERING DRAWINGS FOR NOTES

SEE ELECTRICAL ONE-LINE DIAGRAM NOTES ON E-4

SEE ENGINEERING DRAWINGS FOR NOTES. SEE SPECIALTY LIGHTING GROUP VENDOR CONTACT INFORMATION ON CS-3

SEE ENGINEERING DRAWINGS FOR NOTES

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**ULTA<sup>®</sup>**  
BEAUTY

ULTA #1865  
HILFIKER SHOPPING CENTER  
4450 SE COMMERCIAL STREET  
SUITE 130  
SALEM, OR 97302

RESPONSIBILITY SCHEDULE	
DRAWN BY	
JS	
CHECKED BY	
LR	
JOB NUMBER	
23472	
SHEET NAME	
CS2.0	

# LEGEND

NOTE: L.G.C. LANDLORD GENERAL CONTRACTOR	G.C. GENERAL CONTRACTOR	V.I.F. VERIFY IN FIELD
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"L AND L.G.C. WORK LISTED IN THIS RESPONSIBILITY SCHEDULE IS UNDER A SEPARATE PERMIT AND IS NOT INCLUDED IN THIS SCOPE OF WORK".

NOTE:

1. G.C. TO PROVIDE FORK-LIFT WITH FORK EXTENSIONS ON SITE DURING CONSTRUCTION THROUGH FIRST WEEKEND OF STOCKING. SEE VENDOR CONTACT INFORMATION ON CS3.0 SHEET.
2. G.C. TO CONTACT LANDLORD REPRESENTATIVE FOR LANDLORD REQUIRED CONTRACTORS. SEE COVER SHEET FOR LANDLORD CONTACT INFORMATION.
3. G.C. TO FURNISH AND INSTALL TENANT SPACE ADDRESS PER LANDLORDS' REQUIREMENTS.
4. G.C. TO VERIFY SIZE AND SHAPE OF TENANT SPACE BEFORE LAYING OUT STORE.
5. G.C. TO PROVIDE 3/4" PLYWOOD PROTECTION UNDER ALL DEBRIS BOXES AND STORAGE CONTAINERS.
6. G.C. TO PERFORM FINAL CLEAN PRIOR TO PUNCHLIST WALK THROUGH. PRIOR TO STORE OPENING ULTA TO PERFORM PROFESSIONAL CLEANING AND FLOOR CLEANING THE WEDNESDAY BEFORE THE FRIDAY STOP OPENING.
7. G.C. TO TOUCH UP PAINT PRIOR TO STORE OPENING.
8. G.C. TO USE ULTA VENDOR FOR FINAL CONSTRUCTION DUMPSTERS. SEE VENDOR CONTACT INFORMATION ON SHEET CS3.0.
9. G.C. TO PROVIDE PHOTOGRAPHS TO ULTA CONSTRUCTION MANAGER. SEE REQUIRED PHOTO LIST ON SHEET CS3.0. ALL PHOTOS ARE REQUIRED TO HAVE A DATE STAMP. ALL PHOTOS SHALL BE TAKEN AND PROVIDED TO CM PRIOR TO WALLS BEING ENCLOSED AND MIRRORS BEING INSTALLED TO ENSURE PROPER INSTALLATION.






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SEAL: 03/02/2024

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# DATA



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## INFORMATION

## REQUIREMENTS

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DRAWN BY

CHECKED BY
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JOB NUMBER
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SHEET NAME
------------

633.0

	SUBMITTAL REQUIREMENTS / NOTES	SCALE
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NOTE: G.C. IS TO COORDINATE THE SHIPMENT, DELIVERY, AND INSTALLATION OF ALL ITEMS TO BE FURNISHED BY OWNER AND ULTA'S VENDORS. VENDOR CONTACTS ARE AS FOLLOWS:

CREATIVE CONCEPTS FABRICATION, INC.	MOONLIGHT MOLDS, INC.	NOVAR	LENNOX	GAP	CPT NETWORKS	HARBOR INDUSTRIES	CPT NETWORKS
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		EMAIL: <a href="mailto:jule.brasil@maverickconcepts.com">jule.brasil@maverickconcepts.com</a>	
1	MEMBER CONTACT INFORMATION		SCAI F

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- GENERAL DEMOLITION NOTES:
- DEMOLITION PLANS ARE FOR GENERAL SCOPE. GENERAL CONTRACTOR IS TO VERIFY ALL EXISTING CONDITION AND COORDINATE REQUIRED DEMOLITION WITH CONSTRUCTION DOCUMENTS.
  - WHEN EXISTING MECHANICAL, ELECTRICAL AND PLUMBING FIXTURES AND/OR EQUIPMENT ARE TO BE REMOVED, THEY ARE TO BE DISCONNECTED AT THE SOURCE, UNLESS NOTED OR DIRECTED OTHERWISE. COORDINATE ALL WORK WITH MECHANICAL, ELECTRICAL AND PLUMBING PLANS.
  - ALL EXISTING DUCTWORK TO BE REMOVED UNLESS INDICATED ON MECHANICAL PLANS. ALL ABANDONED HVAC EQUIPMENT AND DUCTWORK SHALL BE REMOVED UPON DISCOVERY.
  - ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL, TELEPHONE OUTLETS, AND ALL ASSOCIATED WIRES IN WALLS AND TERMINATE AT THE LAST OUTLET THAT REMAINS IN SERVICE.
  - ALL EMPTY OR ABANDONED CONDUIT AND JUNCTION BOXES TO BE REMOVED.
  - DEMOLITION CONTRACTOR SHALL REMOVE ALL EXISTING FLOOR COVERINGS AND/OR FINISHES, UNDERLAYMENT, GLUE AND ANY OTHER ADHESIVE, AND SHALL PATCH AND REPAIR CONCRETE SLAB AS REQUIRED TO ACCOMMODATE FINAL FLOOR PREPARATION. REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION.
  - ALL ABANDONED UTILITIES ARE TO BE REMOVED AS DIRECTED BY LANDLORD OR AS SPECIFIED BY MALL MANAGEMENT. COORDINATE WITH MALL MANAGEMENT OR LANDLORD AS NECESSARY.
  - ALL FIRE-PROOFING AT STRUCTURAL ELEMENTS SHALL REMAIN, U.N.O. ANY FIRE-PROOFING REMOVED AND/OR DAMAGED DURING THE COURSE OF DEMOLITION SHALL BE REPLACED WITH THE SAME MATERIALS AND RATING AS THAT WHICH WAS REMOVED AT THE CONTRACTOR'S EXPENSE.
  - LANDLORD APPROVED ROOFING G.C. IS TO REMOVE EXISTING ROOFING INSULATION AND ROOF DECK AS REQUIRED WHERE NEW ROOF TOP EQUIPMENT IS SPECIFIED. G.C. IS TO VERIFY EXACT LOCATION AND EXTENT IN THE FIELD. REFER TO MECHANICAL DRAWINGS.
  - PRIOR TO SAW CUTTING OF EXISTING SLAB, G.C. IS TO VERIFY WITH THE LANDLORD THE LOCATION OF ANY AND ALL EXISTING UTILITIES RUNNING THROUGH THE SPACE. IF IT IS DETERMINED THAT UTILITIES ARE PRESENT BUT EXACT LOCATIONS ARE NOT KNOWN, THEN THE G.C. SHOULD X-RAY THE SLAB. G.G. TO REFER TO CS3.0 FOR POST DEMO SURVEY REQUIREMENTS.

A. CEILING DEMOLITION PLAN KEY NOTES: (1)

- EXISTING SPRINKLER SYSTEM TO REMAIN. REWORK HEADS AT AREAS OF NEW CEILING, ANY VALVE THAT INTERFERES WITH FIXTURE LAYOUT TO BE RELOCATED BY A LICENSED FIRE SPRINKLER CONTRACTOR. SEE A3.1 FOR REFLECTED CEILING PLAN.
- EXISTING CEILING TO BE REMOVED INCLUDING ALL LIGHTING, EMERGENCY/EXIT LIGHTING, CONDUIT, PLUMBING, AND HVAC GRILLES/DIFFUSERS.

B. FLOOR DEMOLITION PLAN KEY NOTES: (2)

- EXISTING MASONRY/DEMISING WALL TO REMAIN. REMOVE ALL EXISTING WALL COVERINGS (IF APPLICABLE), PATCH AND REPAIR WALLS AS REQUIRED TO RECEIVE NEW FINISHES.
- EXISTING FLOORING TO BE REMOVED. PATCH AND REPAIR CONCRETE SLAB TO RECEIVE NEW FINISHES. SEE FLOOR PREP NOTES BELOW.
- EXISTING PLUMBING FIXTURES TO BE REMOVED, INCLUDING BUT NOT LIMITED TO ALL FIXTURES, ACCESSORIES, AND PIPING. CAP PLUMBING AS REQUIRED.
- EXISTING STOREFRONT ENTRY DOORS AND STOREFRONT SYSTEM TO BE REMOVED. SEE SHEET A7.1 FOR MORE INFORMATION.
- EXISTING VESTIBULE TO BE DEMOLISHED. SEE SHEET A2.0 AND A6.2 FOR MORE INFORMATION OF NEW VESTIBULE.
- EXISTING DEMISING WALL TO BE DEMOLISHED. SEE A2.0 FOR MORE INFORMATION.
- EXISTING FLOOR ANCHORS FOR PREVIOUS TENANTS DISPLAYS TO BE REMOVED.
- EXISTING ELECTRICAL PANELS TO BE REMOVED. SEE ELECTRICAL DRAWINGS FOR MORE INFORMATION.
- EXISTING STUD AND DRYWALL PARTITION TO BE REMOVED INCLUDING EXISTING DOORS/FRAME, SOUND BARRIERS, AND INSULATION.
- EXISTING FIXTURES AND MILLWORK TO BE REMOVED COMPLETELY.
- EXISTING MASONRY TO BE DEMOLISHED. PATCH AND REPAIR AS REQUIRED TO RECEIVE NEW DOOR AND FINISHES. REFER TO A2.0 AND STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF WORK.
- EXISTING DOOR(S) TO BE DEMOLISHED. EXISTING DOOR OPENING TO REMAIN. SEE A2.4 FOR MORE INFORMATION.

FLOOR PREP NOTES:

THE CONCRETE SLAB MUST BE SMOOTH AND LEVEL AND READY TO ACCEPT TENANT'S NEW FINISHES. ALL CRACKS, HOLES AND ABANDONED FLOOR ELECTRICAL AND PLUMBING MUST BE FILLED WITH AN ARDEX MATERIAL AND BE INSTALLED BY AN ARDEX CERTIFIED CONTRACTOR. ALL EXISTING FLOOR COVERINGS, MASTICS & UNAPPROVED LEVELING COMPOUNDS MUST BE REMOVED. FLOOR MUST BE LEVEL TO 1/8" OVER 10'-0" SPANS.

CONTACT FOR NATIONAL PRICING AND SPECIFICATIONS:

ARDEX  
CONTACT: JOHN FELKER  
NATIONAL ACCOUNTS SPECIALISTS  
(P): 201-406-9177  
EMAIL: JOHN.FELKER@ARDEXAMERICAS.COM

3 GENERAL NOTES

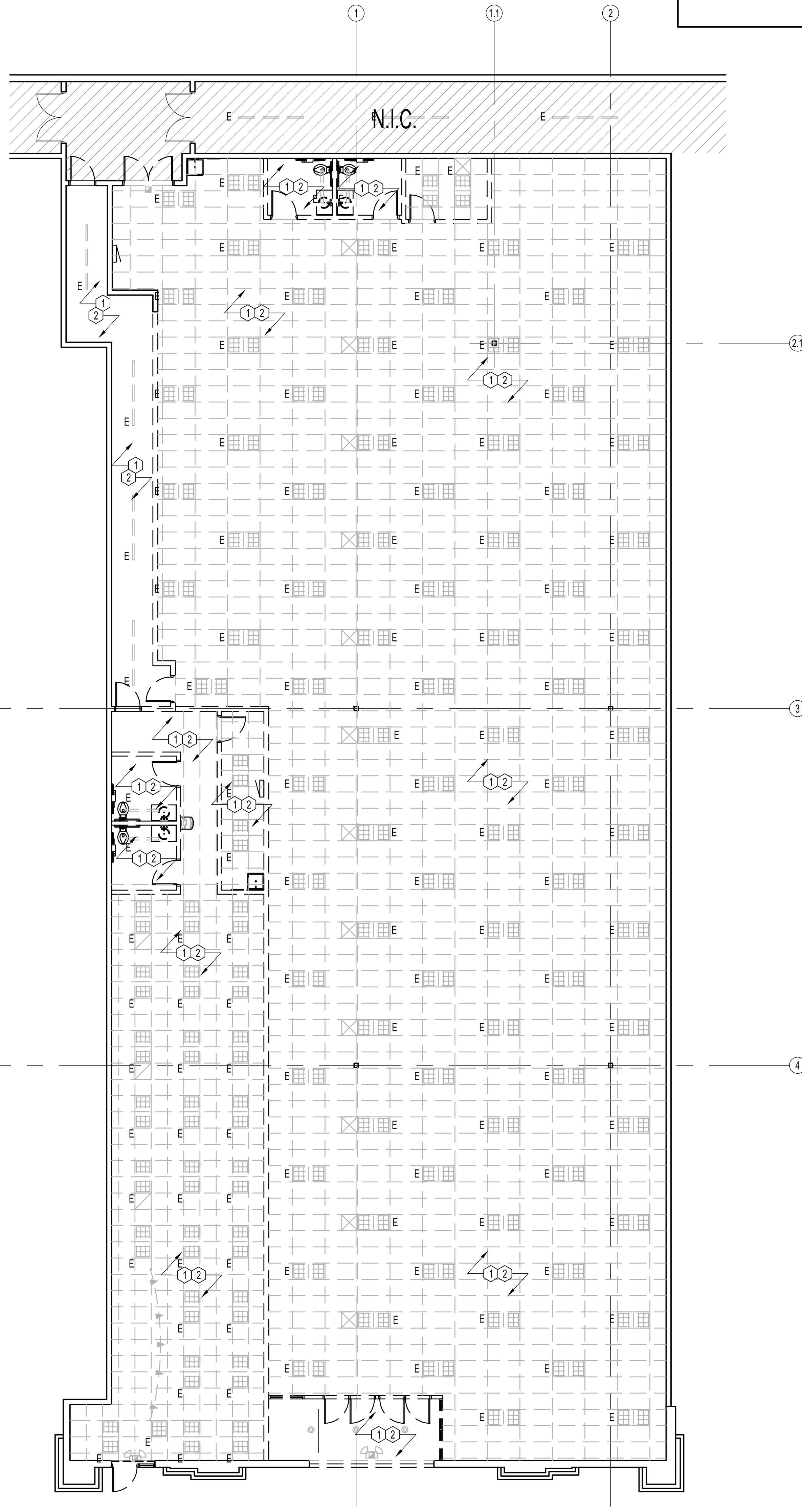
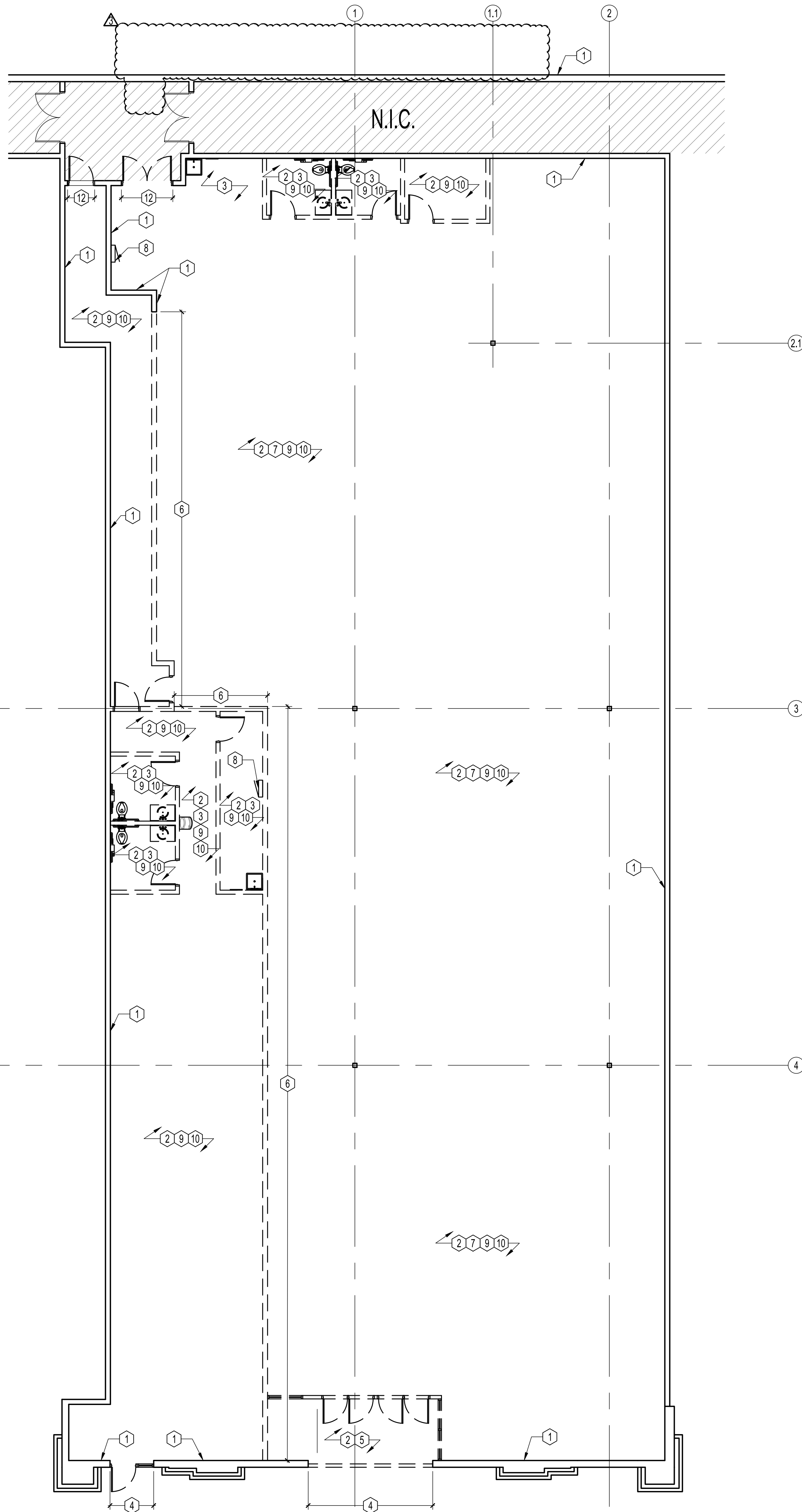
SCALE  
NONE

B FLOOR DEMOLITION PLAN

SCALE  
1/8"=1'

A CEILING DEMOLITION PLAN

SCALE  
1/8"=1'



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DEMOLITION  
PLANS

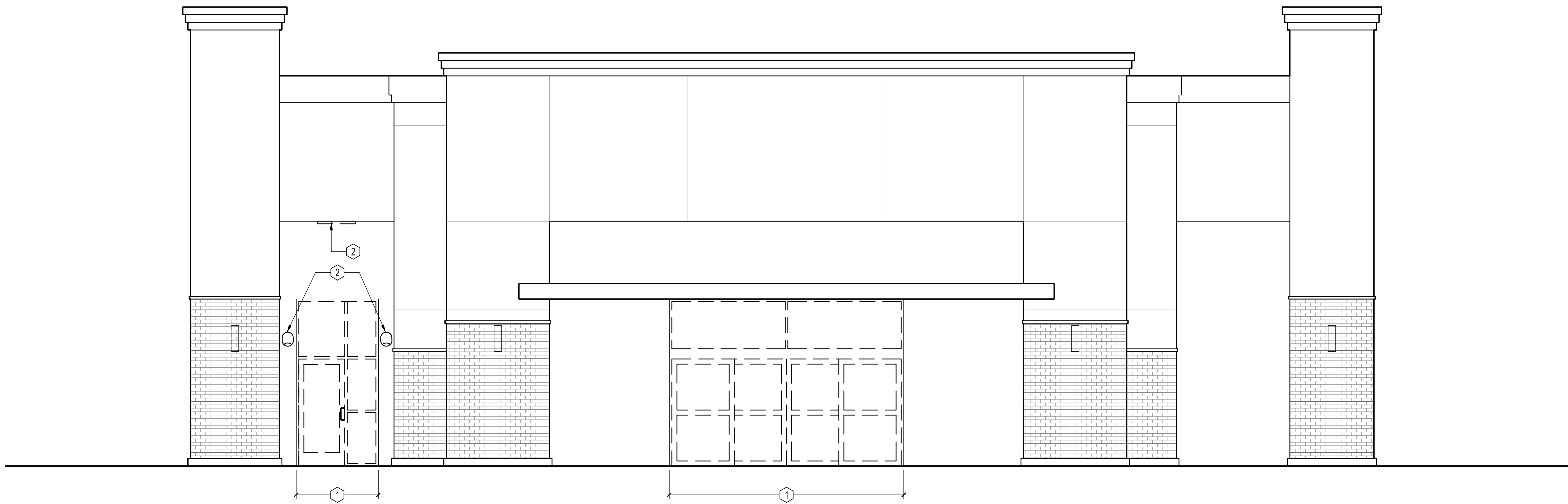
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SHEET NAME  
**D-1.0**



- GENERAL DEMOLITION NOTES:
- DEMOLITION PLANS ARE FOR GENERAL SCOPE. GENERAL CONTRACTOR IS TO VERIFY ALL EXISTING CONDITION AND COORDINATE REQUIRED DEMOLITION WITH CONSTRUCTION DOCUMENTS.
  - WHEN EXISTING MECHANICAL, ELECTRICAL AND PLUMBING FIXTURES AND/OR EQUIPMENT ARE TO BE REMOVED, THEY ARE TO BE DISCONNECTED AT THE SOURCE, UNLESS NOTED OR DIRECTED OTHERWISE. COORDINATE ALL WORK WITH MECHANICAL, ELECTRICAL AND PLUMBING PLANS.
  - ALL EXISTING DUCTWORK TO BE REMOVED UNLESS INDICATED ON MECHANICAL PLANS. ALL ABANDONED HVAC EQUIPMENT AND DUCTWORK SHALL BE REMOVED UPON DISCOVERY.
  - ELECTRICAL CONTRACTOR SHALL DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL, TELEPHONE OUTLETS, AND ALL ASSOCIATED WIRES IN WALLS AND TERMINATE AT THE LAST OUTLET THAT REMAINS IN SERVICE.
  - ALL EMPTY OR ABANDONED CONDUIT AND JUNCTION BOXES TO BE REMOVED.
  - DEMOLITION CONTRACTOR SHALL REMOVE ALL EXISTING FLOOR COVERINGS AND/OR FINISHES, UNDERLAYMENT, GLUE AND ANY OTHER ADHESIVE, AND SHALL PATCH AND REPAIR CONCRETE SLAB AS REQUIRED TO ACCOMMODATE FINAL FLOOR PREPARATION. REFER TO FINISH PLAN FOR ADDITIONAL INFORMATION.
  - ALL ABANDONED UTILITIES ARE TO BE REMOVED AS DIRECTED BY LANDLORD OR AS SPECIFIED BY MALL MANAGEMENT. COORDINATE WITH MALL MANAGEMENT OR LANDLORD AS NECESSARY.
  - ALL FIRE-PROOFING AT STRUCTURAL ELEMENTS SHALL REMAIN, U.N.O. ANY FIRE-PROOFING REMOVED AND/OR DAMAGED DURING THE COURSE OF DEMOLITION SHALL BE REPLACED WITH THE SAME MATERIALS AND RATING AS THAT WHICH WAS REMOVED AT THE CONTRACTOR'S EXPENSE.
  - LANDLORD APPROVED ROOFING G.C. IS TO REMOVE EXISTING ROOFING INSULATION AND ROOF DECK AS REQUIRED WHERE NEW ROOF TOP EQUIPMENT IS SPECIFIED. G.C. IS TO VERIFY EXACT LOCATION AND EXTENT IN THE FIELD. REFER TO MECHANICAL DRAWINGS.
  - PRIOR TO SAW CUTTING OF EXISTING SLAB, G.C. IS TO VERIFY WITH THE LANDLORD THE LOCATION OF ANY AND ALL EXISTING UTILITIES RUNNING THROUGH THE SPACE. IF IT IS DETERMINED THAT UTILITIES ARE PRESENT BUT EXACT LOCATIONS ARE NOT KNOWN, THEN THE G.C. SHOULD X-RAY THE SLAB. G.G. TO REFER TO CS3.0 FOR POST DEMO SURVEY REQUIREMENTS.

ELEVATION DEMOLITION PLAN KEY NOTES: (R)

- EXISTING STOREFRONT GLAZING SYSTEM AND DOOR TO BE DEMOLISHED. REFER TO A7.1 FOR MORE INFORMATION OF NEW WORK.
- EXISTING LIGHTING TO BE REMOVED AT STOREFRONT. REFER TO A7.1 AND A7.2 FOR MORE INFORMATION.
- EXISTING MASONRY TO BE DEMOLISHED. PATCH AND REPAIR AS REQUIRED TO RECEIVE NEW DOOR AND FINISHES. REFER TO STRUCTURAL DRAWINGS PRIOR TO COMMENCEMENT OF WORK.

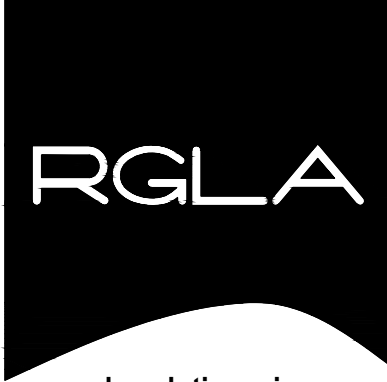


3 GENERAL NOTES

SCALE  
NONE

A FRONT ELEVATION DEMOLITION

SCALE  
1/4"=1'

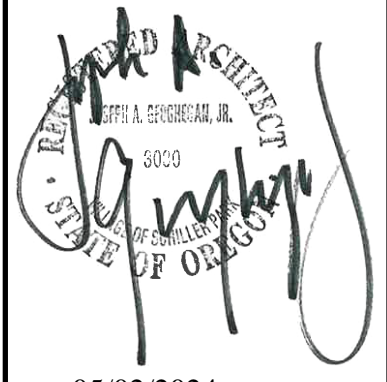


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ELEVATIONS

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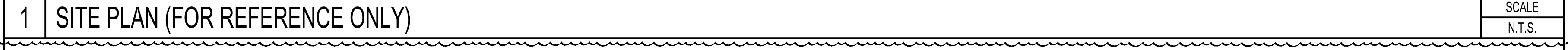
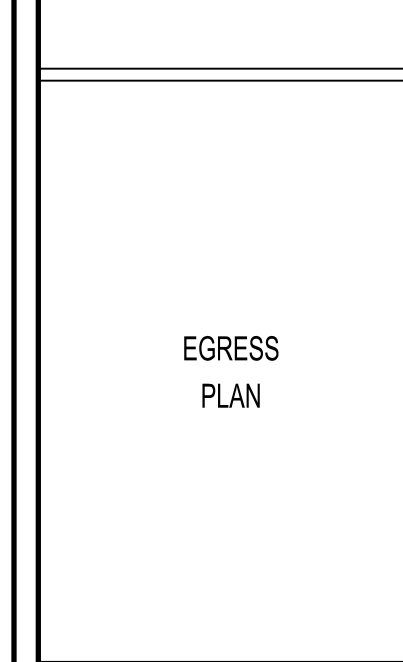


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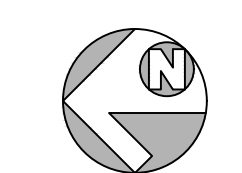
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**PLAN KEY NOTES:**

FIXTURES ARE NOT ANCHORED TO THE FLOOR AND ARE EASILY MOVED



SCALE
1/8"=1'-0"





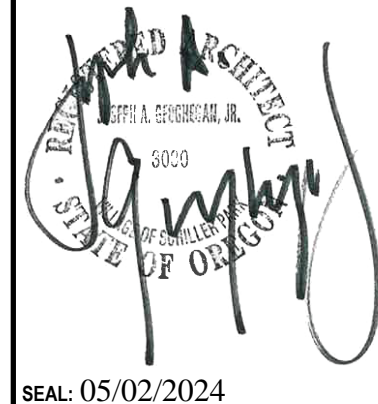






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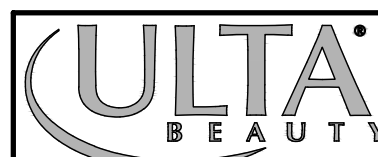
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AND BE RESPONSIBLE FOR ALL DIMENSIONS  
AND CONDITIONS ON THE JOB AND THIS  
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VARIATIONS FROM THE DIMENSIONS AND  
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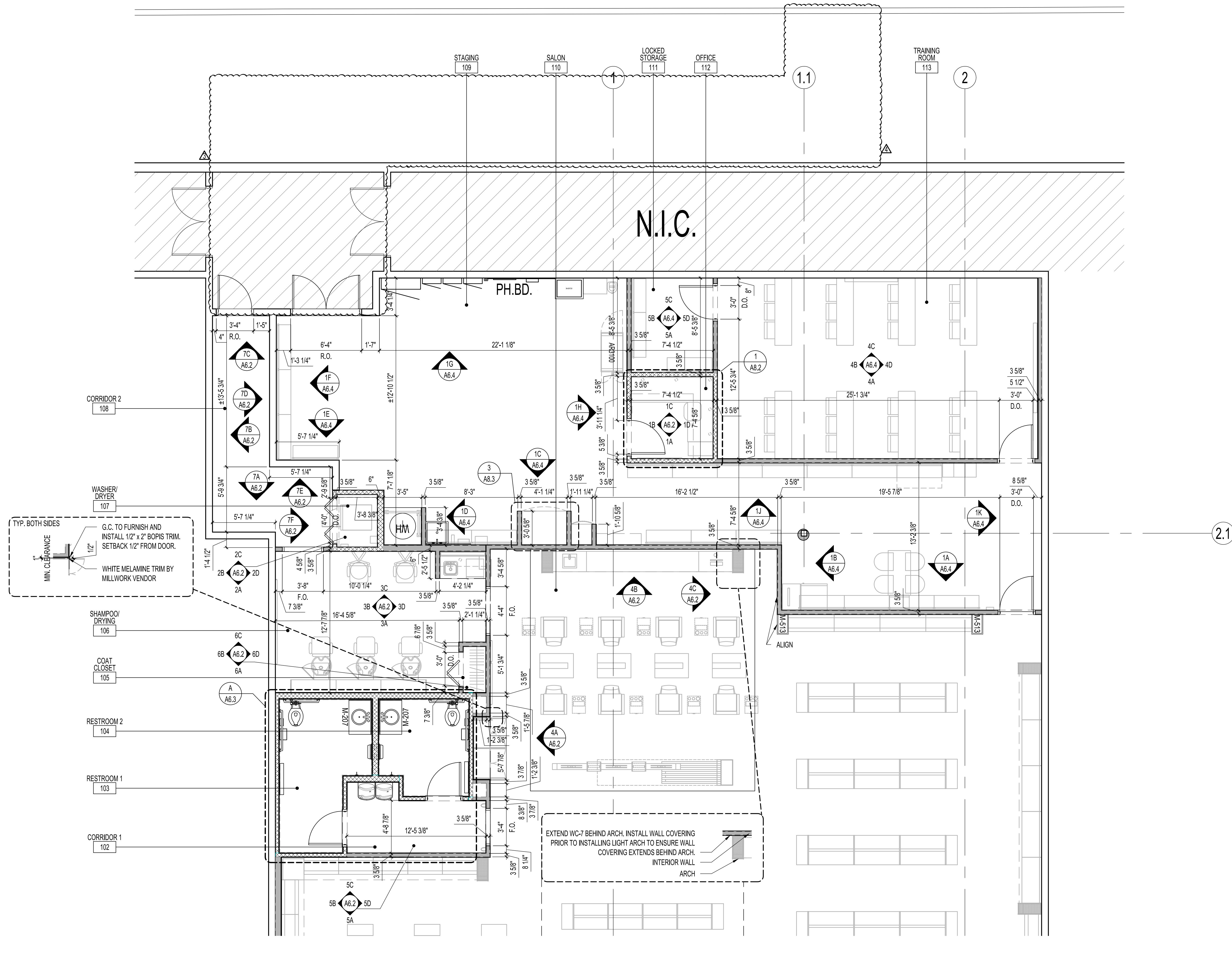


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ENLARGED  
SALON PLAN

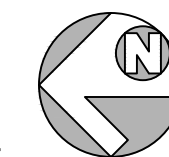
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SHEET NAME

A2.1



NOTE: DIMENSIONS ARE TO FACE OF  
STUD OR FACE OF EXISTING WALL, U.N.O.

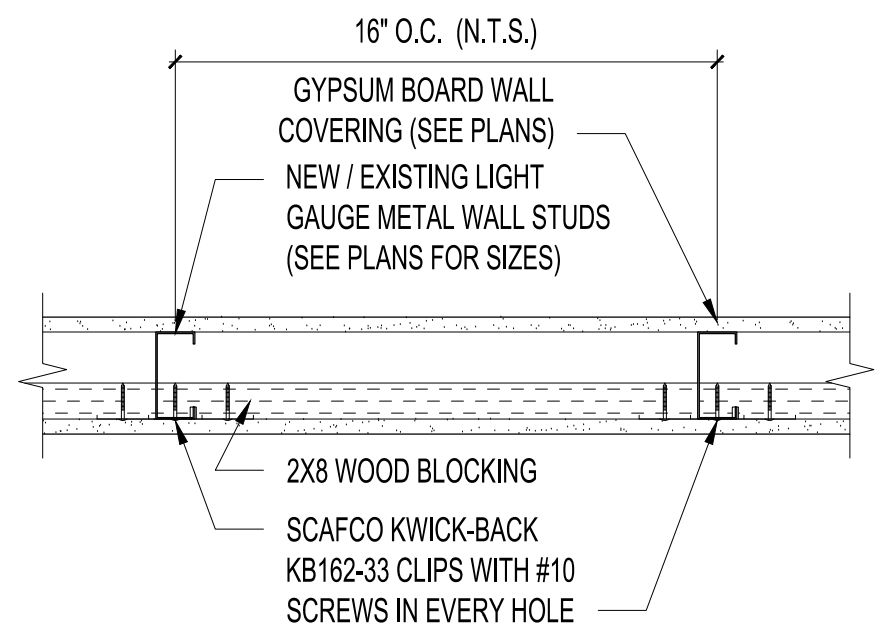
NEW INTERIOR PARTITION  
EXISTING PARTITION  
NEW INSULATED PARTITION, SEE WALL  
TYPES FOR FURTHER INFORMATION



SCALE  
1/4"=1'-0"

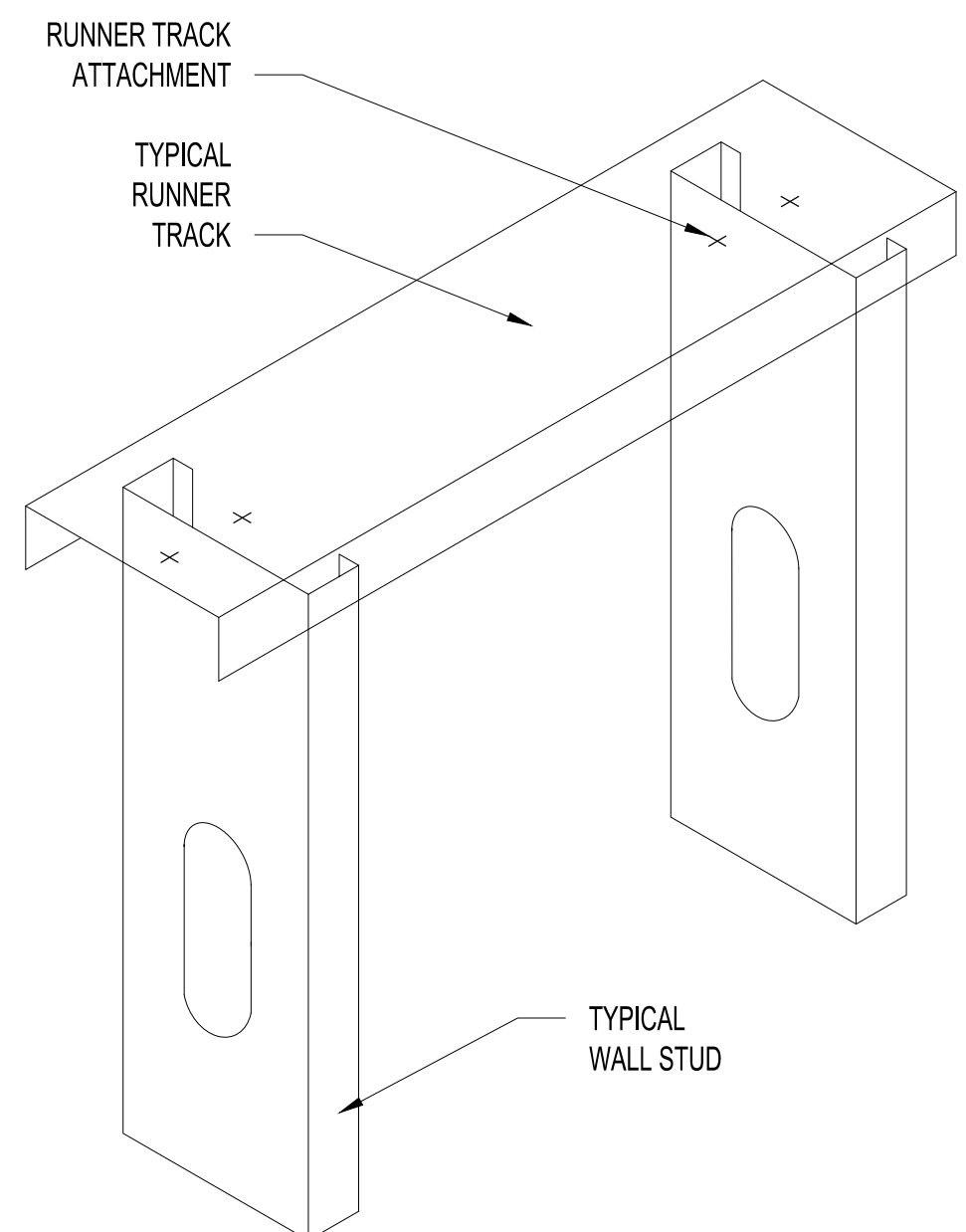


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NOTE: FOR SURFACE MOUNTED PLYWOOD, SEE  
A6.4 SHEET.NOTE: G.C. TO PROVIDE WOOD BLOCKING  
WITHIN WALL. PATCH AND REPAIR GYPSUM  
BOARD TO ORIGINAL CONDITION WHEN  
BLOCKING IS REQUIRED INSIDE EXISTING WALLS.362S162-54 FOR TIE-BACK AT 4'-0".  
WITH (2) #10 TEK ATTACHED TO  
TOP TRACK.  
(2) #10 TEK INTO EXISTING METAL  
STUD WALL.  
362S162-54 FOR TIE-BACK WITH (2)  
#10 TEK AT EACH LEG. TIE-BACK  
STUD AT MID SPAN OF EACH LEG.  
(2) #10 TEK INTO EXISTING METAL  
STUD WALL.  
CONTINUOUS 362T125-54 WITH (1)  
#10 TEK AT EACH LEG.  
EXISTING METAL STUD DEMISING  
WALL CONSTRUCTION.  
362S162-54 FOR TIE-BACK WITH (2)  
#10 TEK AT EACH LEG. TIE-BACK  
STUD AT MID SPAN OF EACH LEG.  
(2) #10 TEK INTO EXISTING METAL  
STUD WALL.  
CONTINUOUS 362T125-54 WITH (1)  
#10 TEK AT EACH LEG.  
POWER DRIVEN FASTENER AT 32" O.C.  
(TYPICAL) SEE DETAIL SA2.3.  
STEEL STUD RUNNER5/8" GYP GYPSUM BOARD  
(CEMENT BOARD AS  
REQUIRED)  
POWER DRIVEN FASTENER AT 32" O.C.  
(TYPICAL) SEE DETAIL SA2.3.  
STEEL STUD RUNNER  
HOLD GYP. BD. FROM UNFINISHED FLOOR.  
SEE BA8.2 FOR DETAILS AT PERIMETER  
WALLS AND A4.1 FOR FLOOR FINISH  
LOCATIONS.LATERALLY BRACE TO STRUCTURE  
ABOVE. SEE NOTE #10 BELOW. ATTACH  
TO TOP CHORD OF TRACK WITH (2) #10  
SCREWS.  
LINE OF CEILING - SEE REFLECTED  
CEILING PLAN  
5/8" GYP GYPSUM BOARD  
SOUND ATTENUATED INSULATION (5'12"  
INSULATION AT SKINCARE)  
5/8" GYP GYPSUM BOARD (CEMENT BOARD AS  
REQUIRED)  
POWER DRIVEN FASTENER AT 32" O.C.  
(TYPICAL) SEE DETAIL SA2.3.  
STEEL STUD RUNNER  
HOLD GYP. BD. FROM UNFINISHED FLOOR.  
SEE BA8.2 FOR DETAILS AT PERIMETER  
WALLS AND A4.1 FOR FLOOR FINISH  
LOCATIONS.LATERALLY BRACE TO STRUCTURE  
ABOVE. SEE NOTE #10 BELOW. ATTACH  
TO TOP OF TRACK WITH (2) #10 SCREWS  
LINE OF CEILING - SEE REFLECTED  
CEILING PLAN  
5/8" GYP GYPSUM BOARD  
POWER DRIVEN FASTENERS AT 32" O.C.  
(TYPICAL) SEE DETAIL SA2.3.  
STEEL STUD RUNNER  
HOLD GYP. BD. FROM UNFINISHED FLOOR.  
SEE BA8.2 FOR DETAILS AT PERIMETER  
WALLS AND A4.1 FOR FLOOR FINISH  
LOCATIONS.NOTE: FOR WALL CLEATS AND WOOD BLOCKING  
REFER TO BLOCKING AT PERIMETER WALL  
FIXTURES DETAILS ON F1.1A & F1.1B SHEETS  
LINE OF EXISTING DEMISING EXTERIOR  
WALL. PATCH AND REPAIR AS REQUIRED  
TO MAINTAIN FIRE RATING.  
G.C. TO VERIFY EXISTING STUD FRAMING,  
SIZE, SPACING, GAUGE AND FLANGE  
WIDTH AND REPORT FINDINGS TO  
ARCHITECTS.

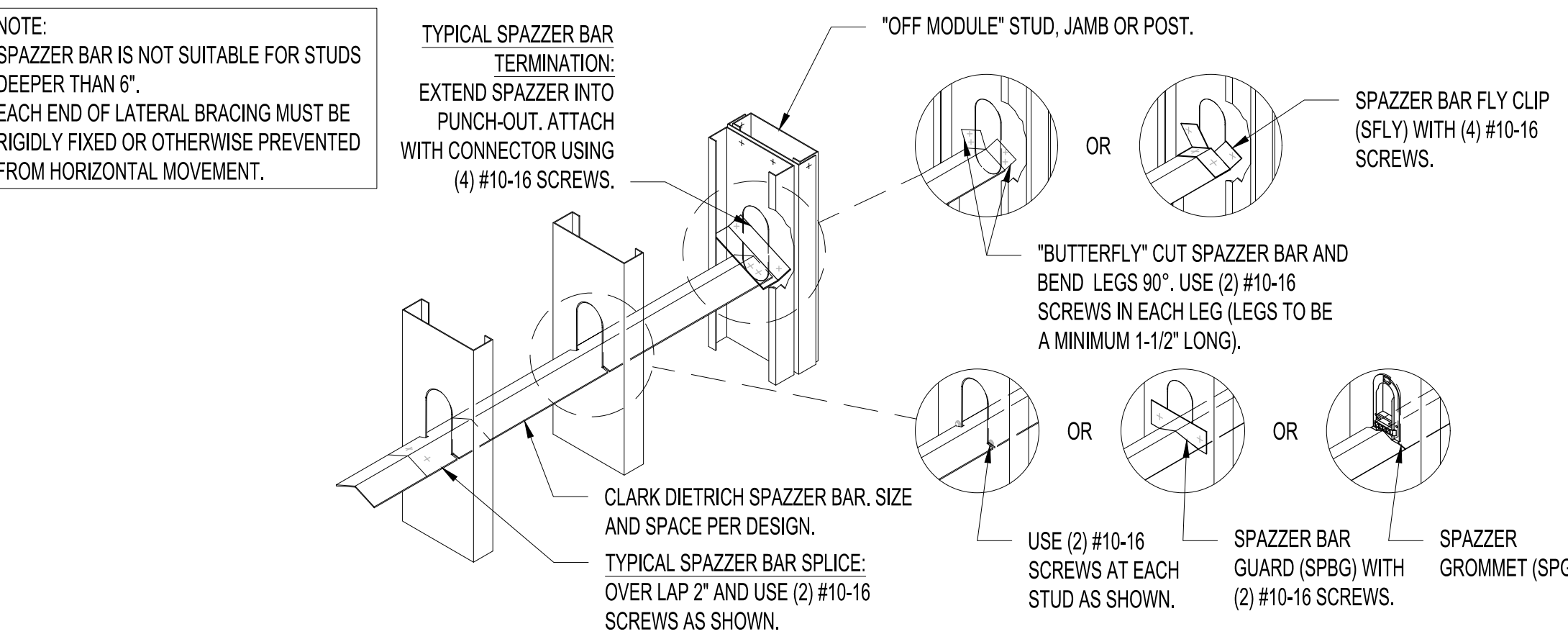
NOTE: SEE PLANS FOR BLOCKING HEIGHTS / LOCATIONS

## 6 BLOCKING DETAIL

SCALE  
N.T.S.

TOP TRACK ATTACHMENT SCHEDULE			
MATERIAL	FASTENER	SPACING	REMARKS
CONCRETE	HILTI DS, 0.177" SHANK, 1 1/2" MINIMUM PENETRATION, 2,000 PSI MINIMUM CONCRETE ESR-1663	32" O.C.	EMBED 1" MINIMUM
STEEL	(1) - #10 SCREW (1) - #10 SCREW	32" O.C. 16" O.C.	MATERIAL > 43 MILS (> 18 GAUGE) MATERIAL < 43 MILS (< 18 GAUGE)
OTHER	ATTACHMENT TO BE APPROVED BY DESIGN ENGINEER		

## 3 PARTITION DETAIL - TOP RACK

SCALE  
N.T.S.NOTE: SPAZZER BAR IS NOT SUITABLE FOR STUDS  
DEEPER THAN 6".  
EACH END OF LATERAL BRACING MUST BE  
RIGIDLY FIXED OR OTHERWISE PREVENTED  
FROM HORIZONTAL MOVEMENT.TYPICAL SPAZZER BAR  
TERMINATION:  
EXTEND SPAZZER INTO  
PUNCH-OUT. ATTACH  
WITH CONNECTOR USING  
(4) #10-16 SCREWS.

"OFF MODULE" STUD, JAMB OR POST.

SPAZZER BAR FLY CLIP  
(SFLY) WITH (4) #10-16  
SCREWS."BUTTERFLY" CUT SPAZZER BAR AND  
BEND LEGS 90°. USE (2) #10-16  
SCREWS IN EACH LEG (LEGS TO BE  
A MINIMUM 1-1/2" LONG).CLARK DIETRICH SPAZZER BAR. SIZE  
AND SPACE PER DESIGN.TYPICAL SPAZZER BAR SPLICE:  
OVER LAP 2" AND USE (2) #10-16  
SCREWS AS SHOWN.SPAZZER BAR  
GUARD (SPBG) WITH  
(2) #10-16 SCREWS.SPAZZER  
GROMMET (SPGR).

## 2 PARTITION DETAIL - LATERAL BRACING

SCALE  
N.T.S.

## 1 WALL TYPES

DEPTH  
(1100 IN)  
800 J 200 - 54  
MEMBER TYPE  
A=JOIST (OR STUD)  
S=STUD  
T=TRACK

CONVERSION TABLE	
MILS	GAUGE
18	25
27	22
33	20
43	18
54	16
68	14
97	12

NOTE: GAUGE EQUIVALENT STUDS ARE NOT AN  
ACCEPTABLE ALTERNATE. G.C. TO PROVIDE  
COPY OF MANUFACTURER'S METAL STUD  
SUBMITTAL TO ARCHITECT PRIOR TO ORDERING.1) THE BOTTOM PLATE OF ALL INTERIOR PARTITIONS SHALL BE ATTACHED AT  
FLOOR W/ .177 SHANK DIAMETER x 1 3/4" PENETRATION AT 32" O.C. POWER  
DRIVEN FASTENER HILTI DS, 0.177" SHANK, 1 1/2" MINIMUM PENETRATION,  
2,000 PSI MINIMUM CONCRETE, ESR-1663  
2) WALL STUD TABLE:

MAXIMUM WALL HEIGHT	STUD SIZE	SPACING	REMARKS
13'-6"	362S162-33	16" O.C.	
16'-0"	362S162-43	16" O.C.	
18'-0"	362S162-54	16" O.C.	
20'-0"	362S162-68 ALT. 600S162-33	16" O.C.	
22'-0"	600S162-33	16" O.C.	
24'-0"	600S162-43	16" O.C.	
26'-0"	600S162-54	16" O.C.	Fy = 50 KSI
28'-0"	600S162-54	16" O.C.	Fy = 50 KSI
30'-0"	600S162-43	16" O.C.	

NOTE: ALL STEEL TO BE MIN. Fy = 33 KSI U.N.O.

3) THE TOP TRACK OF EACH FULL HEIGHT WALL SHALL BE ATTACHED  
DIRECTLY TO THE STRUCTURE WHEN THE WALL IS PERPENDICULAR TO  
FRAMING. THE TOP TRACK OF EACH FULL HEIGHT WALL SHALL BE  
ATTACHED DIRECTLY TO BLOCKING WHEN THE WALL IS PARALLEL TO THE  
STRUCTURE AT 4'-0" O.C.  
4) PROVIDE MINIMUM 4'-0" HIGH CEMENT BOARD AT FLOOR BEHIND ALL FRP.  
5) PROVIDE CEMENT BOARD UNDER ALL WALL TILE.  
6) ALL BRACING AND SUSPENDED COMPONENTS ARE FROM STRUCTURE  
(NOT FROM DECK). DO NOT PENETRATE THROUGH DECK ABOVE.  
7) ALL COLD FORMED STEEL FRAMING COMPONENTS BY CLARK DIETRICH,  
ESR-1166P.  
8) INSTALL COLD-FORMED METAL FRAMING ACCORDING TO TABLE AND  
ASIS' STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL  
PROVISIONS" AND TO MANUFACTURER'S WRITTEN INSTRUCTIONS.  
9) WATER-RESISTANT GYPSUM BACKING BOARD SHALL BE USED AS A BASE  
FOR THE TILE IN WATER CLOSET COMPARTMENT WALLS INSTALLED IN  
ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.  
10) WALLS TO BE BRACED TO STRUCTURE ABOVE USING ALTERNATING  
STUDS (362S162-33). MAX. UNBRACED LENGTH OF 4'-0". SEE CONNECTION  
DETAILS ON SHEET A-8.1.  
11) SEE F1.1A & F1.1B SHEETS FOR BLOCKING HEIGHTS/LOCATIONS.LATERALLY BRACE TO STRUCTURE  
ABOVE. SEE NOTE #10 BELOW. ATTACH  
TO TOP OF TRACK WITH (2) #10 SCREWS  
LINE OF CEILING - SEE REFLECTED  
CEILING PLAN  
NOTE: STUDS AND BACK SIDE OF GYPSUM  
BOARD TO BE PAINTED PRIMER WHITE  
PRIOR TO GYPSUM BOARD INSTALLATION  
WHEN WALL IS LOCATED ADJACENT AN  
EXTERIOR WINDOW  
SPAZZER 5400 BRIDGING BAR AT 4'-0" O.C.  
VERTICALLY TO BE INSTALLED ONLY ON  
WALLS WITH MILLWORK FIXTURES. REFER  
TO DETAIL 2 OF THIS SHEET.  
SECURELY ATTACH NEW STUDS TO  
EXISTING STUD WALL CONSTRUCTION.5/8" GYP GYPSUM BOARD  
POWER DRIVEN FASTENERS AT 32" O.C.  
(TYPICAL) SEE DETAIL SA2.3.  
STEEL STUD RUNNERLATERALLY BRACE TO STRUCTURE  
ABOVE. SEE NOTE #10 BELOW. ATTACH  
TO TOP CHORD OF TRACK WITH (2) #10  
SCREWS.  
LINE OF CEILING - SEE REFLECTED  
CEILING PLAN  
5/8" GYP GYPSUM BOARD  
SOUND ATTENUATED INSULATION  
5/8" GYP GYPSUM BOARD (CEMENT BOARD AS  
REQUIRED)  
POWER DRIVEN FASTENER AT 32" O.C.  
(TYPICAL) SEE DETAIL SA2.3.  
STEEL STUD RUNNERLATERALLY BRACE TO STRUCTURE  
ABOVE. SEE NOTE #10 BELOW. ATTACH  
TO TOP CHORD OF TRACK WITH (2) #10  
SCREWS.  
LINE OF CEILING - SEE REFLECTED  
CEILING PLAN  
5/8" GYP GYPSUM BOARD  
SOUND ATTENUATED INSULATION  
5/8" GYP GYPSUM BOARD (CEMENT BOARD AS  
REQUIRED)  
POWER DRIVEN FASTENER AT 32" O.C.  
(TYPICAL) SEE DETAIL SA2.3.  
STEEL STUD RUNNERLATERALLY BRACE TO STRUCTURE  
ABOVE. SEE NOTE #10 BELOW. ATTACH  
TO TOP CHORD OF TRACK WITH (2) #10  
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LINE OF CEILING - SEE REFLECTED  
CEILING PLAN  
5/8" GYP GYPSUM BOARD  
SOUND ATTENUATED INSULATION  
5/8" GYP GYPSUM BOARD (CEMENT BOARD AS  
REQUIRED)  
POWER DRIVEN FASTENER AT 32" O.C.  
(TYPICAL) SEE DETAIL SA2.3.  
STEEL STUD RUNNER



4	DOOR SCHEDULE	SCALE
		NONE

[illegible]



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BID ADDENDUM - REVISION 1	02/29/2024
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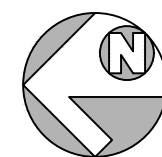
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**ULTA BEAUTY**

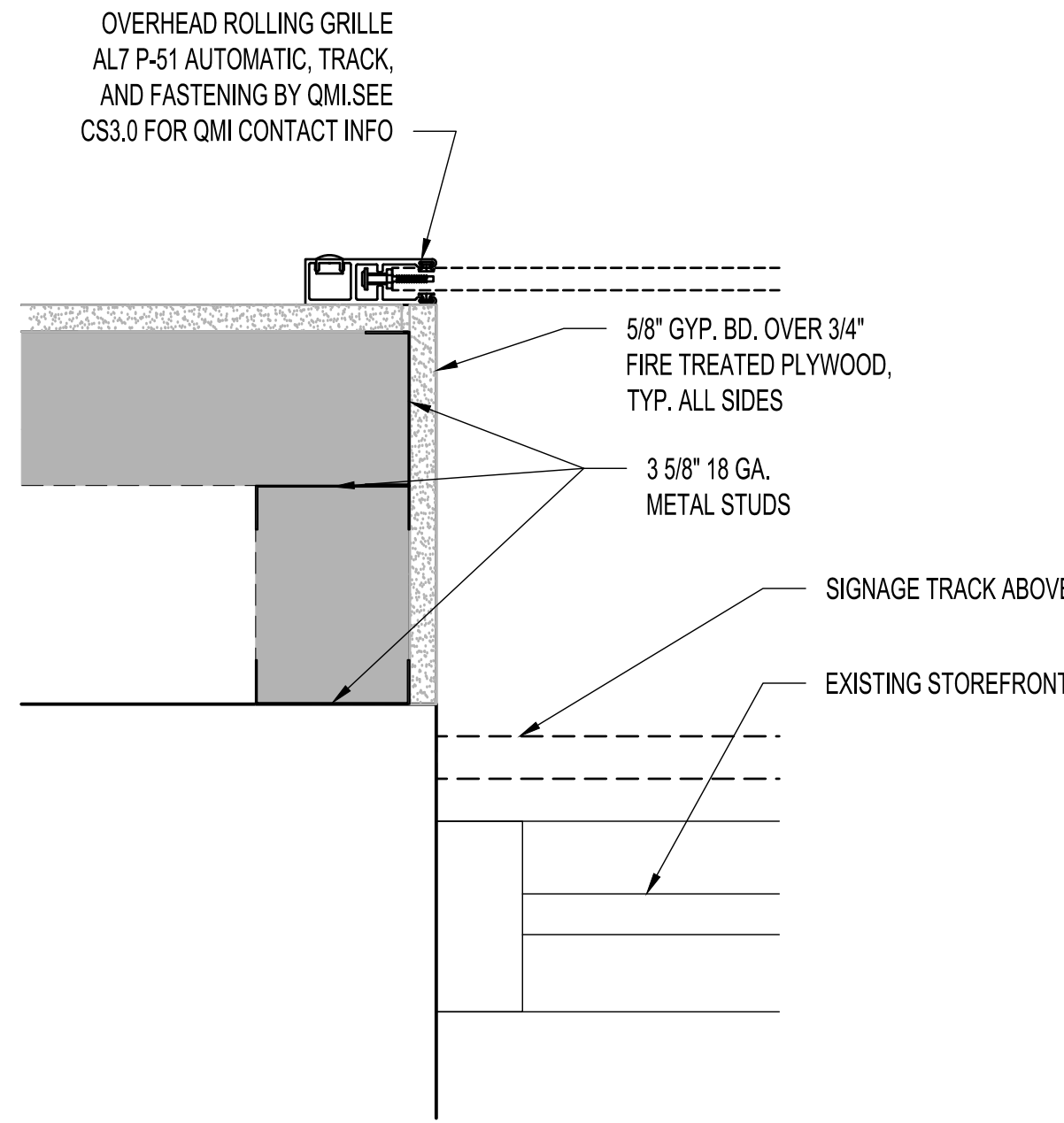
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SALEM, OR 97302

ROLLING GRILLES  
DETAILS

DRAWN BY	JS
CHECKED BY	LR
JOB NUMBER	23472
SHEET NAME	A2.5



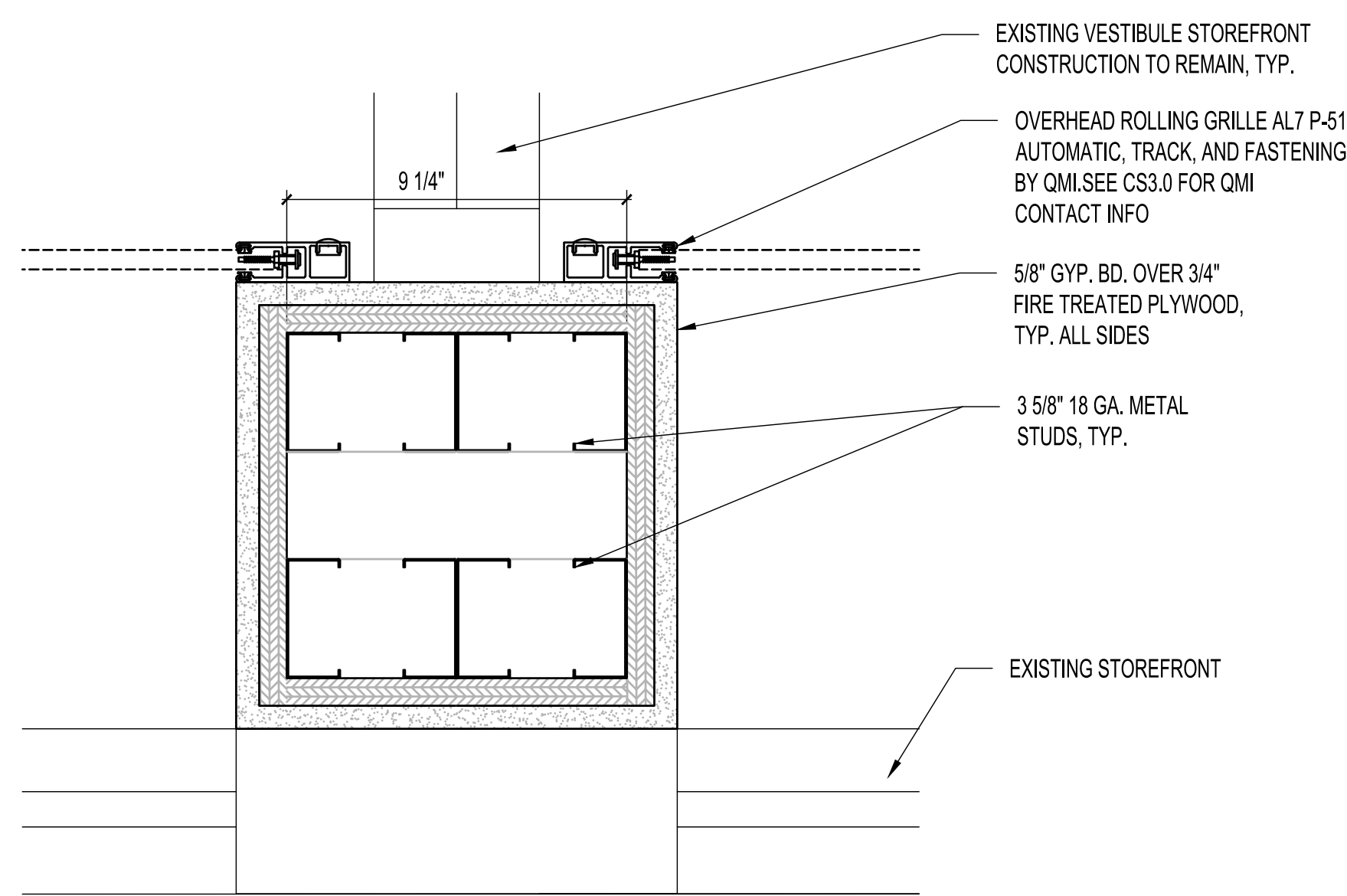
SCALE  
1/4"=1'-0"



NOTE: ALL WORK BY G.C.  
UNLESS OTHERWISE NOTED

4 ROLLING GRILL GUIDE TRACK DETAIL

SCALE  
3"=1'-0"



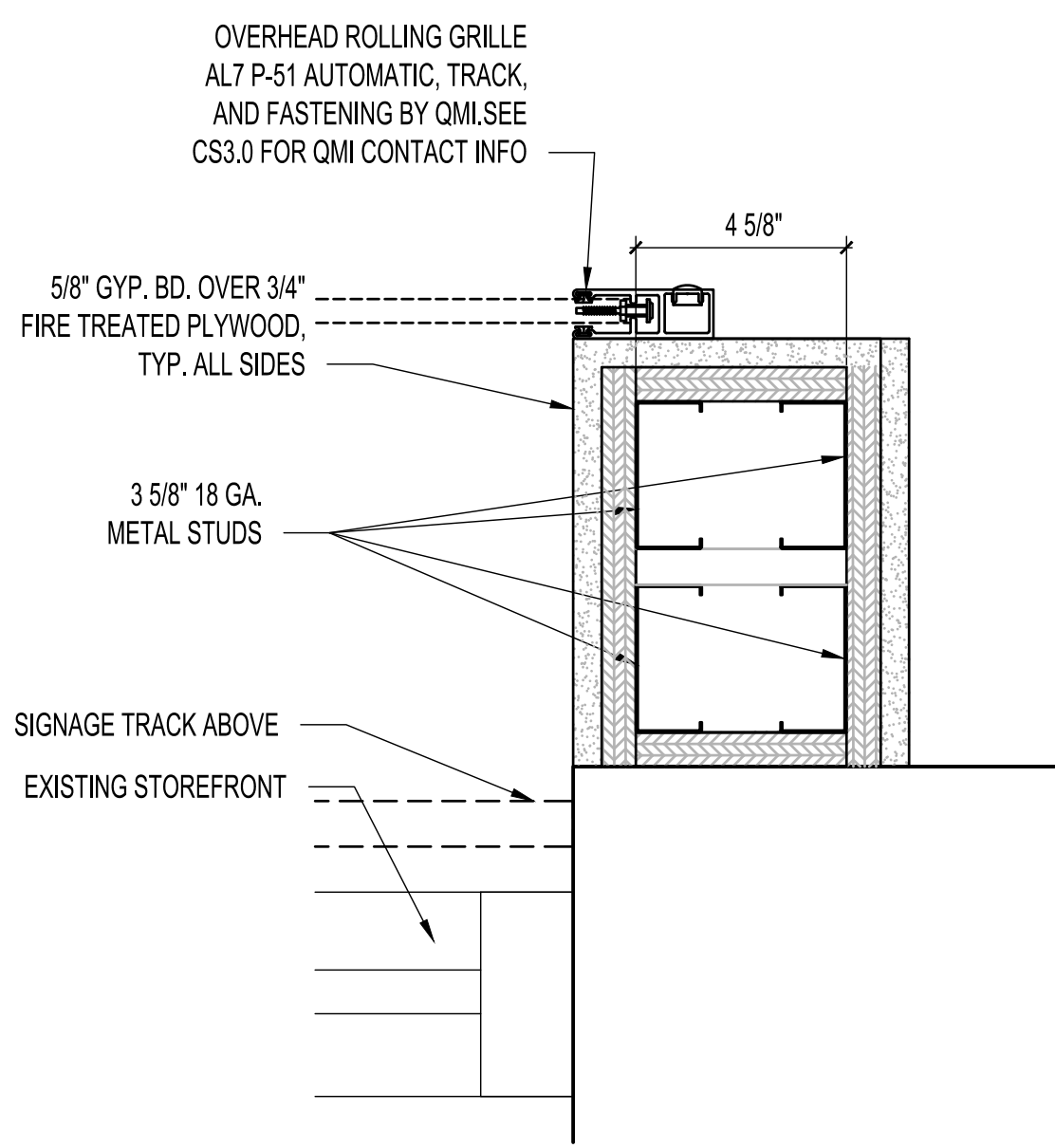
NOTE: ALL WORK BY G.C.  
UNLESS OTHERWISE NOTED

SCALE  
3"=1'-0"

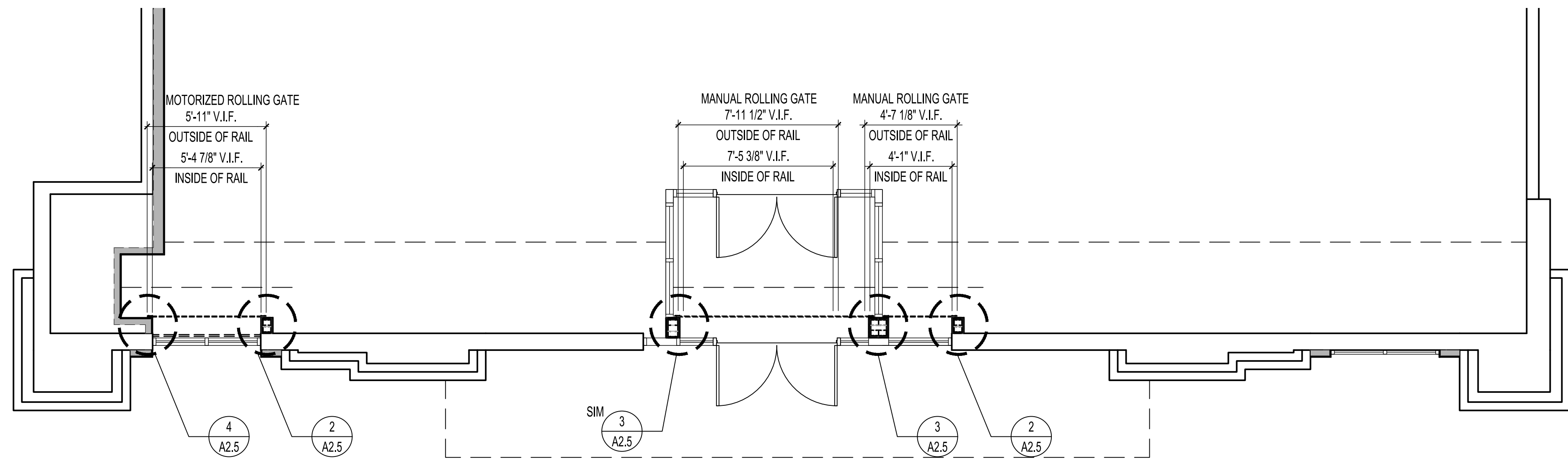
3 ROLLING GRILL GUIDE TRACK DETAIL

SCALE  
3"=1'-0"

NOTE: ALL WORK BY G.C.  
UNLESS OTHERWISE NOTED



2 ROLLING GRILL GUIDE TRACK DETAIL



1 JAMB AND GUIDE SIZING PLAN

SCALE  
1/4"=1'-0"







- NOTE:  
1. G.C. TO REFER TO ELEVATIONS AND ALL OTHER SHEETS FOR ADDITIONAL CEILING/SOFFIT INFORMATION AND DETAILS. CONTACT ARCHITECT WITH QUESTIONS PRIOR TO PROCEEDING.  
2. ALL CONDUIT AND J-BOXES/ HARD WIRE BOXES TO BE SUPPORTED BY WIRE INDEPENDENT FROM ACOUSTICAL CEILING.  
3. FIXTURE RUN DIMENSIONS ARE SHOWN FOR REFERENCE ONLY. CONFIRM ACTUAL MILLWORK DIMENSIONS WITH FIXTURE MANUFACTURER.
- LIGHTING NOTES AT WALL FIXTURES:  
1. AT ILLUMINATED ARCHES, FIXTURE WORK STOPS AT CEILING. REFER TO 3/A&1 AND ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. ACOUSTICAL CEILING TO EXTEND TO PERIMETER WALL.  
2. AT WALL PANELS LOCATIONS CENTER GROUP OF LED LIGHT FIXTURES OVER RUN OF MILLWORK LEAVING BLANK AREAS ON EACH END.  
3. FOR WALL PANELS & ARCH VALANCE LIGHTING WIRING. SEE DETAIL 6/A&1.

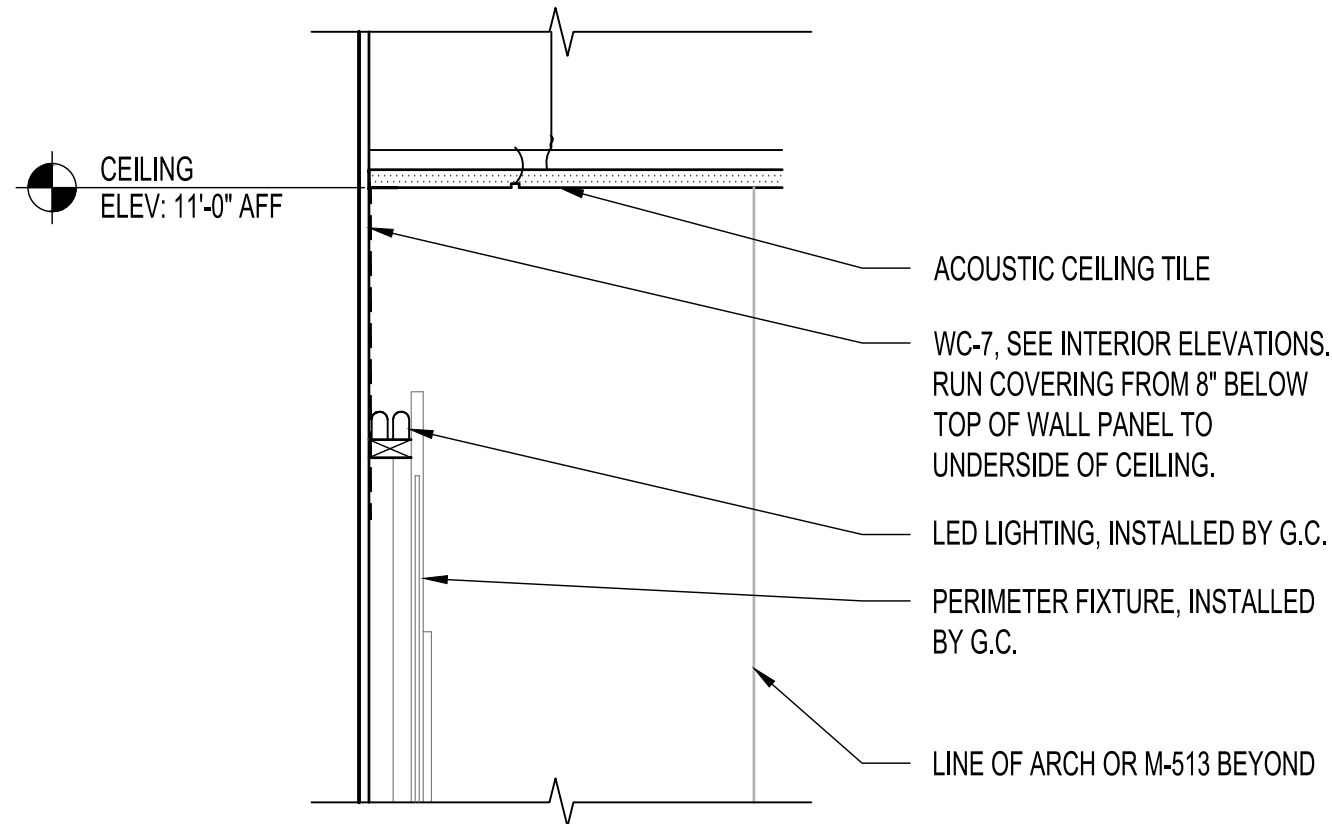
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
L1	11" LINEAR ELITE - LED		
L2	21.5" LINEAR ELITE - LED		
L3	33" LINEAR ELITE - LED		
L4	45" LINEAR ELITE - LED		
L5	57" LINEAR ELITE - LED		
UCL	7 3/8" UNDER CABINET LED LIGHTING, FIXTURE TO BE MOUNTED TO UNDERSIDE OF CABINET, REFER TO LIGHTING FIXTURE SCHEDULE ON ELECTRICAL DRAWINGS FOR TYPE OF LIGHT FIXTURE		
UCL1	11 1/8" UNDER CABINET LED LIGHTING, FIXTURE TO BE MOUNTED TO UNDERSIDE OF CABINET, REFER TO LIGHTING FIXTURE SCHEDULE ON ELECTRICAL DRAWINGS FOR TYPE OF LIGHT FIXTURE		
UCL2	22 1/8" UNDER CABINET LED LIGHTING, FIXTURE TO BE MOUNTED TO UNDERSIDE OF CABINET, REFER TO LIGHTING FIXTURE SCHEDULE ON ELECTRICAL DRAWINGS FOR TYPE OF LIGHT FIXTURE		
UCL3	33 1/8" UNDER CABINET LED LIGHTING, FIXTURE TO BE MOUNTED TO UNDERSIDE OF CABINET, REFER TO LIGHTING FIXTURE SCHEDULE ON ELECTRICAL DRAWINGS FOR TYPE OF LIGHT FIXTURE		
UCL4	44 1/8" UNDER CABINET LED LIGHTING, FIXTURE TO BE MOUNTED TO UNDERSIDE OF CABINET, REFER TO LIGHTING FIXTURE SCHEDULE ON ELECTRICAL DRAWINGS FOR TYPE OF LIGHT FIXTURE		

- LIGHT SYMBOL LEGEND

\*SEE SHEET CS-3 FOR ULTA LIGHTING VENDOR

SCALE  
NONE

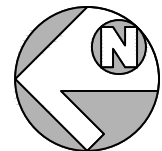
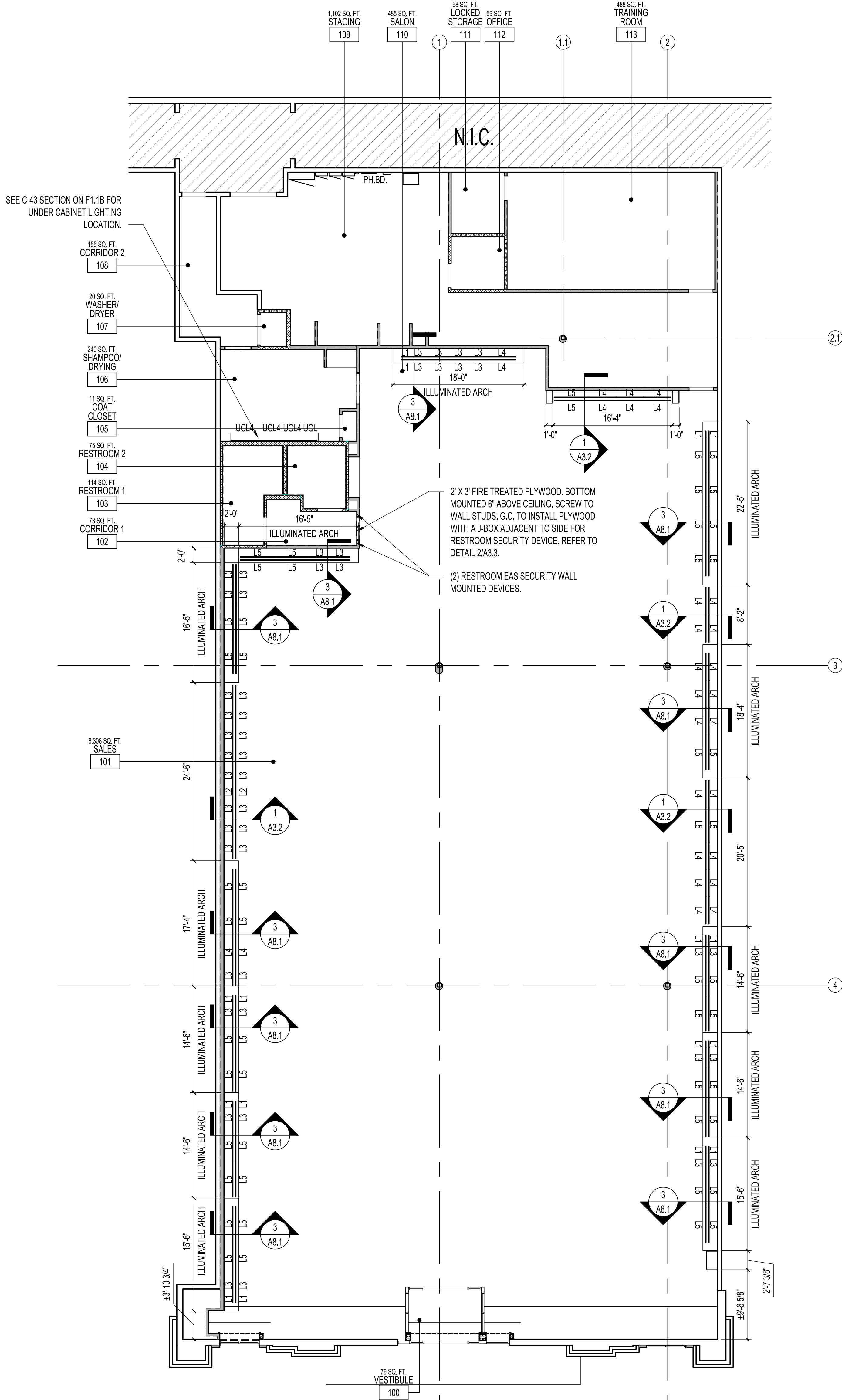
- NOTE:  
1. TAPE AND USE BONDO (ALL PURPOSE PUTTY) ON VALANCE JOINTS FOR SMOOTH TRANSITION PRIOR TO WALL COVERING INSTALLATION. SEAL AND PRIME JOINTS PRIOR TO WALL COVERING INSTALLATION.



1 WALL PANEL DETAIL

SCALE  
1"=1'-0"

A ARCH & PERIMETER LIGHTING PLAN



SCALE  
1/8"=1'-0"

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ARCH & PERIMETER  
LIGHTING PLAN  
& DETAILS

DRAWN BY	JS
CHECKED BY	LR
JOB NUMBER	23472
SHEET NAME	A3.2



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WRITTEN DIMENSIONS ON THESE DRAWINGS  
SHALL HAVE PRECEDENCE OVER LOCAL  
CUSTOMS, TRADE PRACTICES, USAS, AND  
BE RESPONSIBLE FOR ALL DIMENSIONS  
AND CONDITIONS ON THE JOB AND THIS  
OFFICE MUST BE NOTICED OF ANY  
VARIATIONS BEFORE THE DIMENSIONS AND  
CONDITIONS ARE FINAL. DIMENSIONS AND  
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DETAILS

DRAWN BY

JS

CHECKED BY

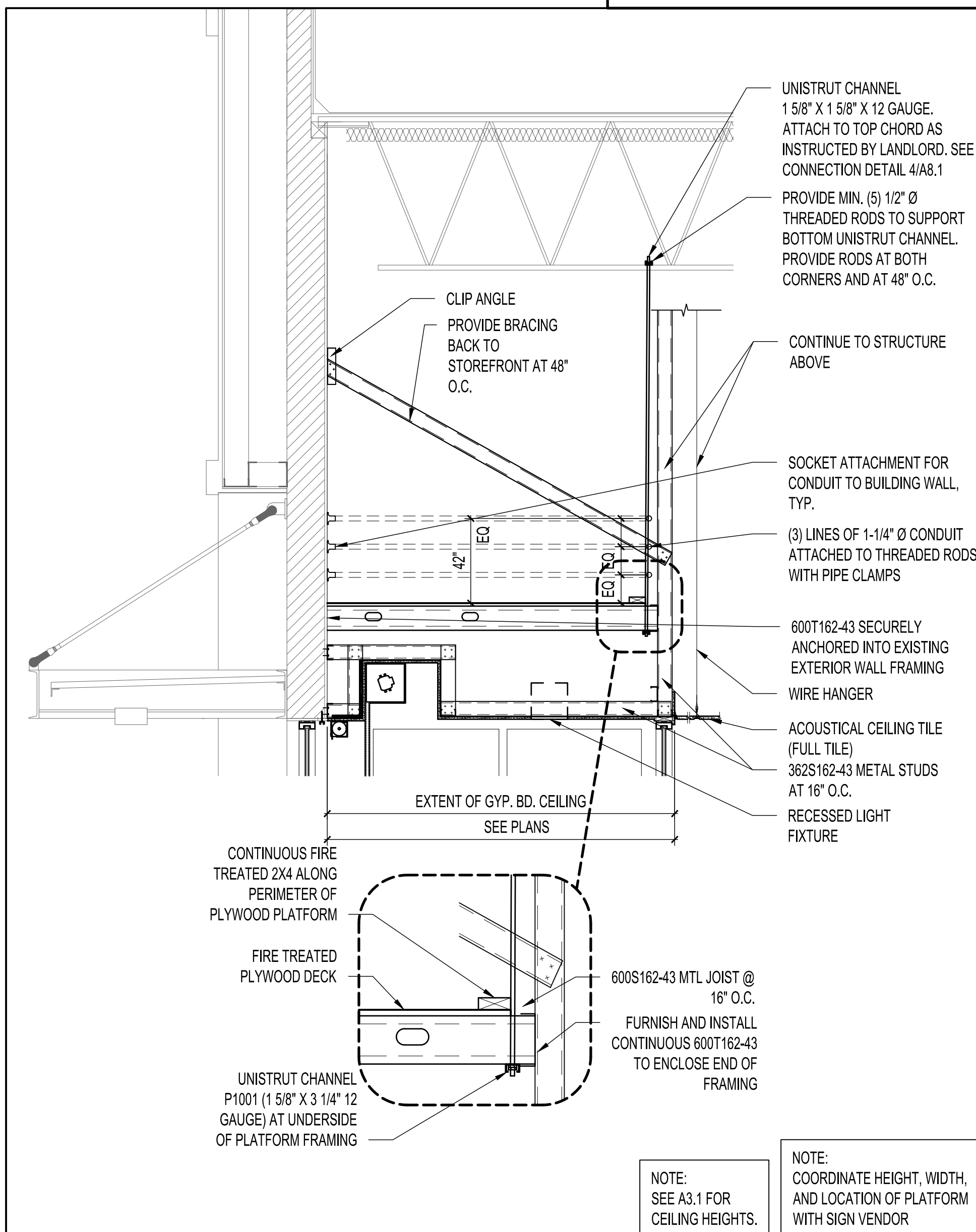
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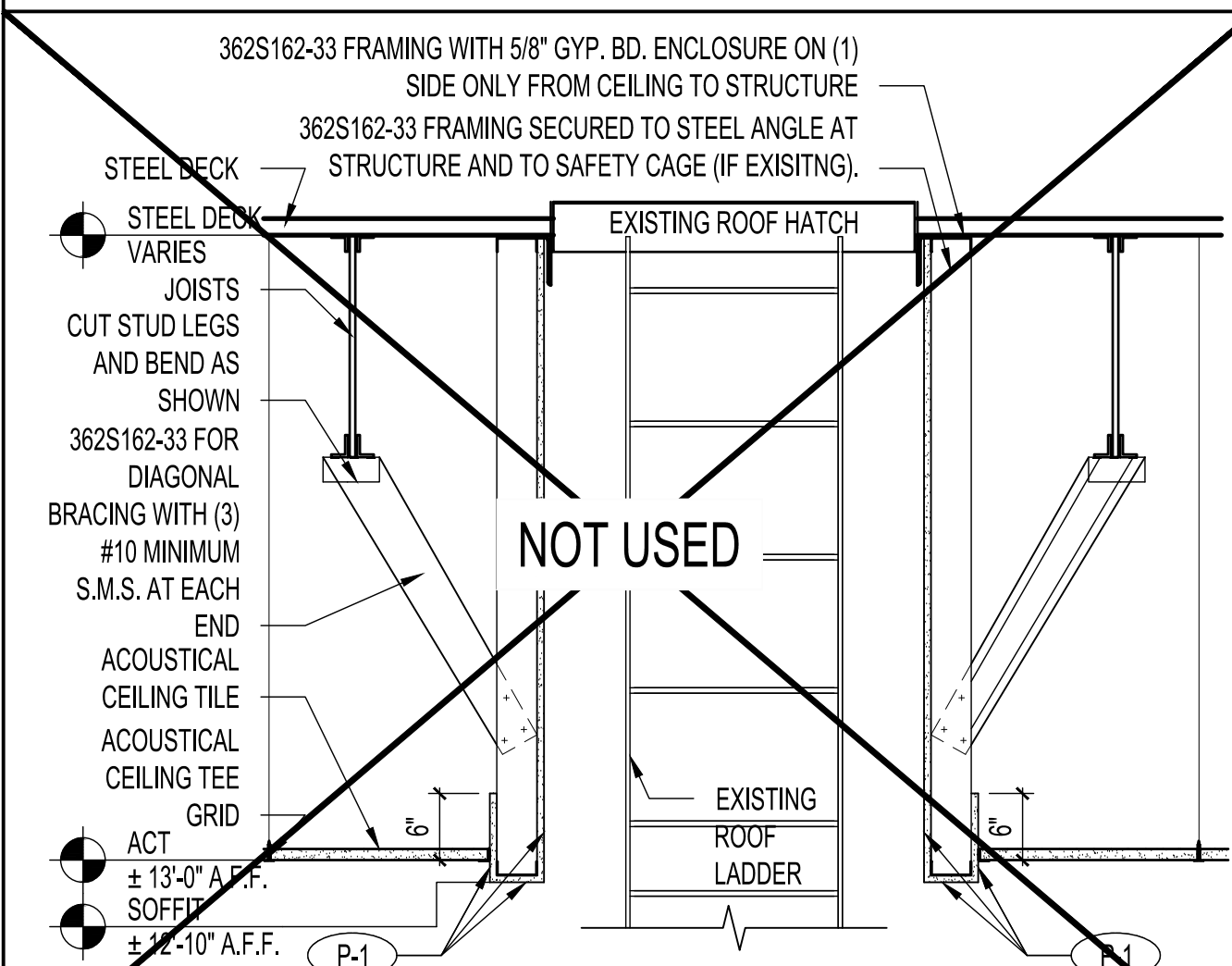
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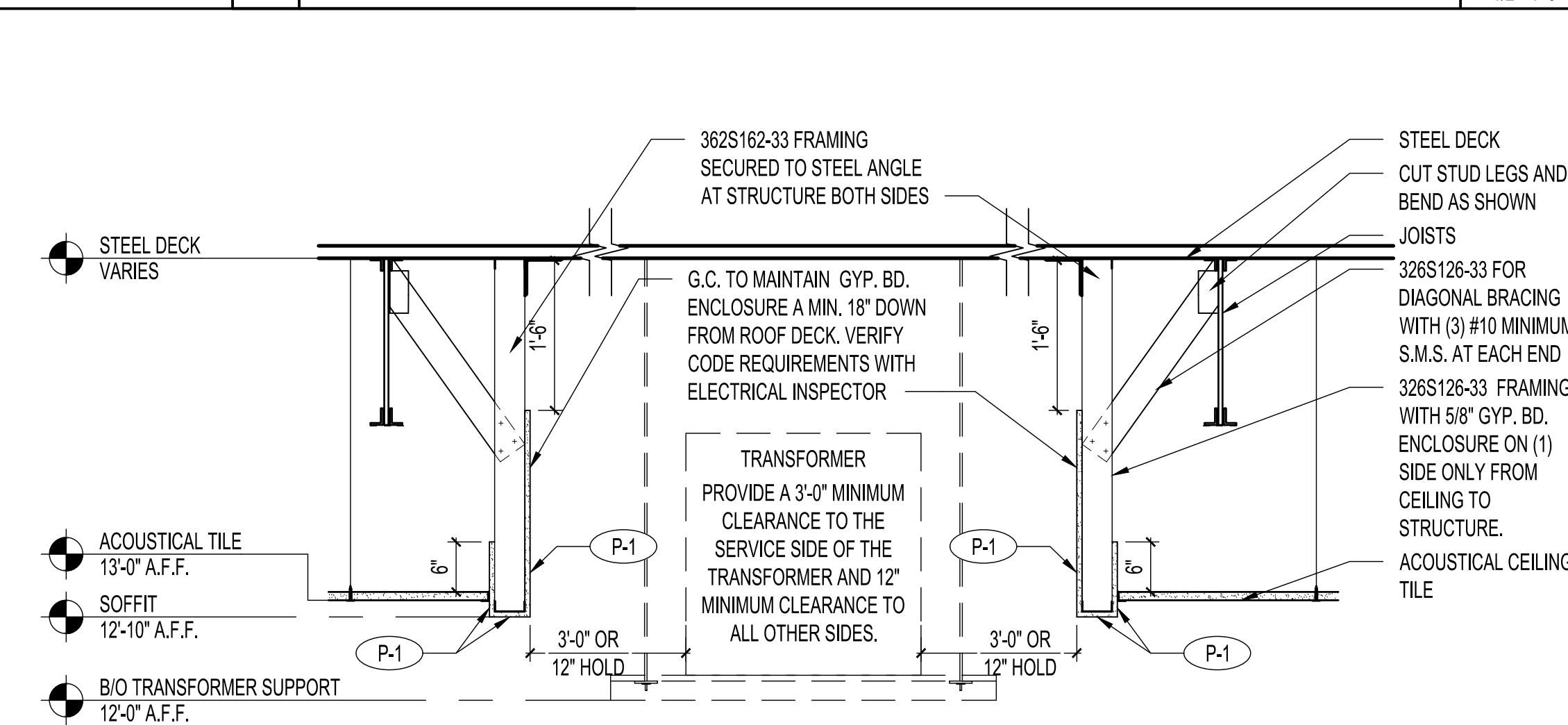
5 PLATFORM DETAIL

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



6 ROOF LADDER BULKHEAD DETAIL

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



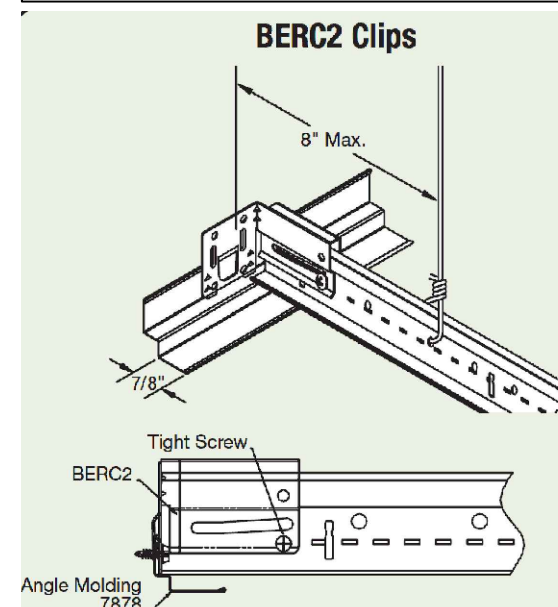
4 ACCESS DETAIL

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

SUSPENDED CEILING SYSTEMS SHALL COMPLY WITH IBC 903.9, 1613.1 AND CISCA CATEGORY D COMPLIANCE ALSO WITH ASTM C635 & C636 MODIFIED PER ASCE 7. COMPLY WITH ESR-1308

- THE SUSPENDED CEILING SYSTEM SHALL BE DESIGNED AND INSTALLED IN ACCORDANCE WITH ASTM C635, ASTM C636, AND OTHER APPROVED METHODS AS MODIFIED BY THE FOLLOWING:
  - A HEAVY DUTY 1-BAR GRID SYSTEM SHALL BE USED.
  - THE WIDTH OF THE PERIMETER SUPPORTING CLOSURE ANGLE SHALL BE NOT LESS THAN 2.0 INCHES. IN EACH ORTHOGONAL HORIZONTAL DIRECTION, ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE CLOSURE ANGLE. THE OTHER END IN EACH HORIZONTAL DIRECTION SHALL HAVE A 0.75 INCHES CLEARANCE FROM THE WALL AND SHALL REST UPON AND BE FREE TO SLIDE ON A CLOSURE ANGLE.
  - MINIMUM 3/4\" CLEARANCE FROM GRID END TO WALL.
  - GRID MUST BE ATTACHED ON TWO ADJACENT WALLS, NO ATTACHMENT ON OTHER TWO WALLS.
  - PERIMETER TENDS TIED TOGETHER AT PERIMETERS (SPACER/STABILIZER BAR) ON TEES THAT ARE NOT ATTACHED TO PERIMETER MOLDING.
  - PARTITION ATTACHMENT BRACING IS REQUIRED TO BE INDEPENDENT FROM CEILING SPLAY BRACING.
  - SEISMIC SEPARATION JOINT REQUIRED FOR AREAS> 2500 SQ. FT. (OR FULL HEIGHT PARTITIONS)

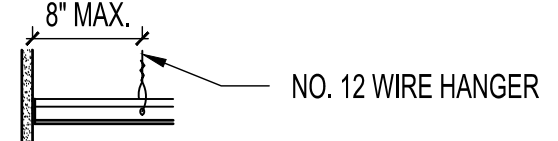
- SEISMIC REQUIREMENTS FOR ACOUSTICAL CEILING. THESE CHANGES ARE AS FOLLOWS:
- WASHINGTON FALLS UNDER IBC SEISMIC CATEGORIES C, D.
  - ONLY HEAVY DUTY GRID MAY BE USED.
  - MINIMUM 3/4\" CLEARANCE FROM GRID END TO WALL.
  - GRID MUST BE ATTACHED ON TWO ADJACENT WALLS, NO ATTACHMENT ON OTHER TWO WALLS.
  - PERIMETER TENDS TIED TOGETHER AT PERIMETERS (SPACER/STABILIZER BAR) ON TEES THAT ARE NOT ATTACHED TO PERIMETER MOLDING.
  - PARTITION ATTACHMENT BRACING IS REQUIRED TO BE INDEPENDENT FROM CEILING SPLAY BRACING.
  - SEISMIC SEPARATION JOINT REQUIRED FOR AREAS> 2500 SQ. FT. (OR FULL HEIGHT PARTITIONS)



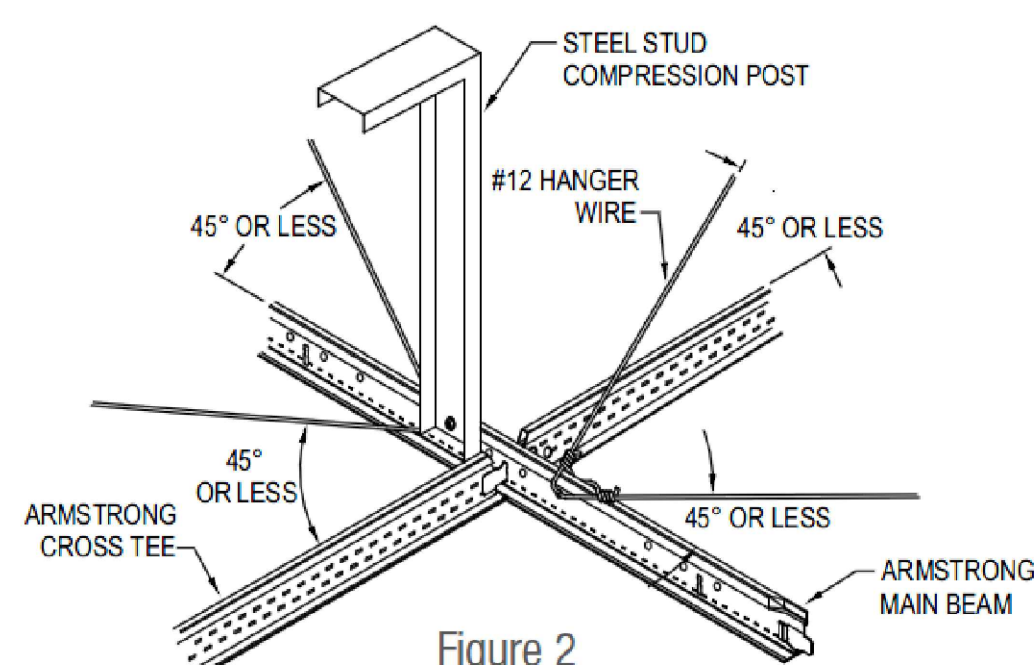
C SUSPENDED CEILING WALL MOLDINGS - OPTION A - BERC2 CLIP

SUSPENDED CEILING NOTES:

- PROVIDE HEAVY DUTY CEILING SUSPENSION SYSTEM.
- MAIN RUNNER SUPPORT TO BE NO. 12 GA. VERTICAL WIRE HANGER @ 4'-0\" O.C. @ AND 8\" MAX. FROM EACH WALL. ATTACH TO SUSPENSION SYSTEM AND TO STRUCTURE ABOVE WITH MINIMUM THREE TIGHT TURNS IN 1'-1/2\".
- LATERAL BRACING @ 12'-0\" O.C. EACH WAY AND 6'-0\" FROM EACH WALL. BRACING TO BE FOUR(4) NO. 12 WIRES ATTACHED TO MAIN RUNNER WITH FOUR TIGHT TURNS IN 1'-1/2\". ATTACH WITHIN 2\" OF CROSS RUNNER. SPLAY WIRES 90 DEGREES FROM EACH OTHER AND 45 DEGREES FROM THE PLANE OF THE CEILING. PROVIDE STRUT AT LOCATION OF SPLAY WIRES AND FASTEN TO THE MAIN RUNNER AND TO THE STRUCTURE ABOVE.
- ALL CEILING RECESSED LIGHT FIXTURES TO HAVE TWO NO. 12 WIRE HANGERS CONNECTED TO THE FIXTURE HOUSING WITHIN 3\" CORNERS AT OPPOSITE CORNERS. CONNECT TO STRUCTURE ABOVE. THESE WIRES MAY BE BLACK.
- EACH SURFACE MOUNTED LIGHT FIXTURE TO HAVE MINIMUM OF TWO 14 GA. POSITIVE CLAMPING DEVICES. PROVIDE A NO. 12 WIRE HANGER AT EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE.
- CEILING MECHANICAL AND LIGHT FIXTURES OVER 56 LBS. TO BE SUPPORTED SEPARATELY FROM STRUCTURE ABOVE.
- PROVIDE 1\" CLEARANCE AROUND ALL PENETRATIONS
- PROVIDE POSITIVE BRACING AT CEILING



B SUSPENDED CEILING AT WALL DETAIL



A SUSPENDED CEILING WIRE HANGER AND STRUT DETAIL

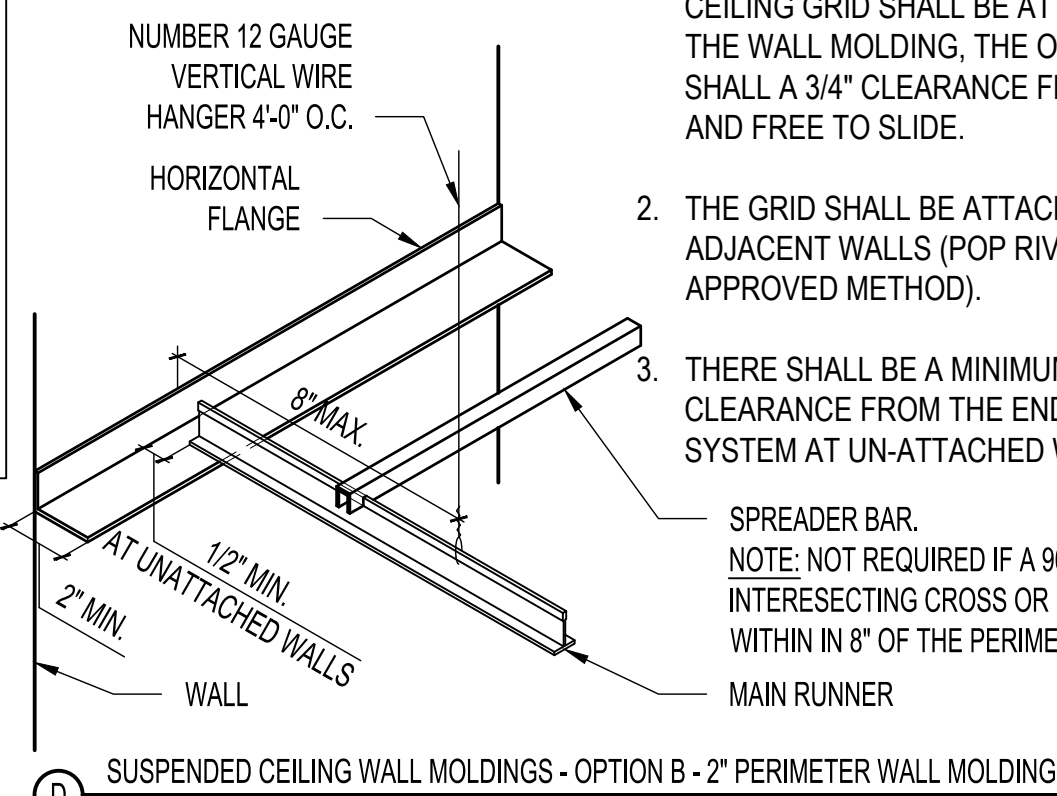
9 SEISMIC ACT CEILING DETAIL

SCALE  
N/A

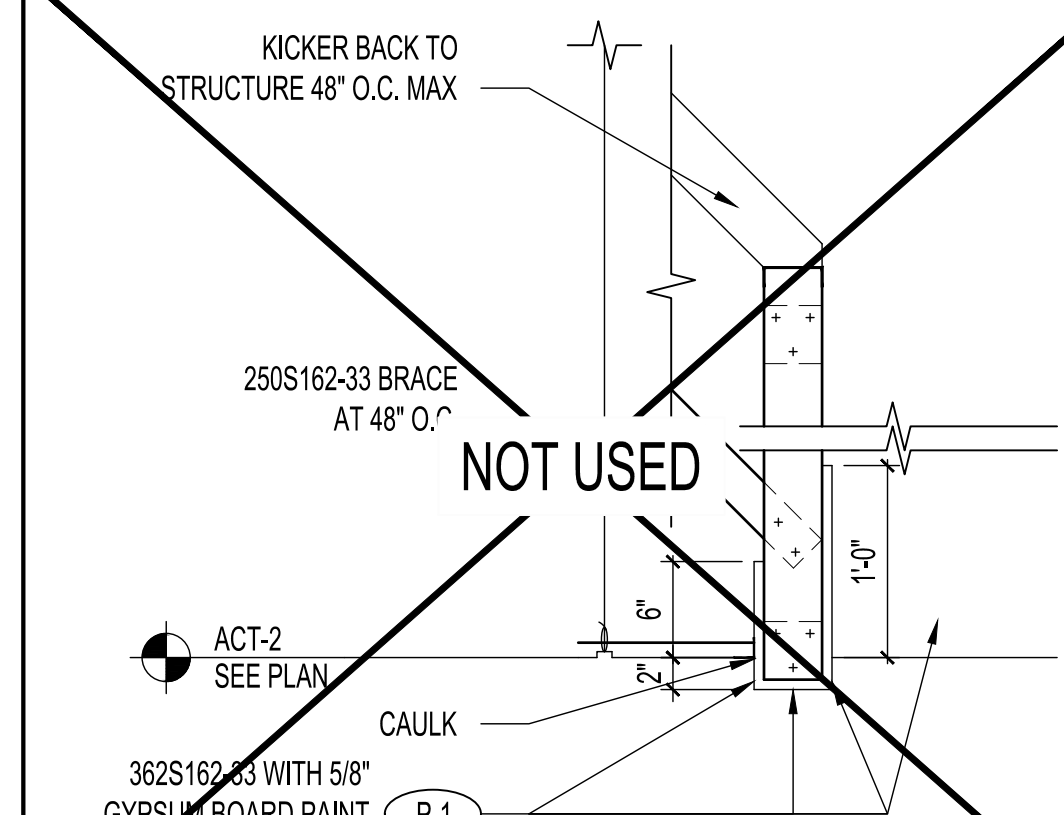
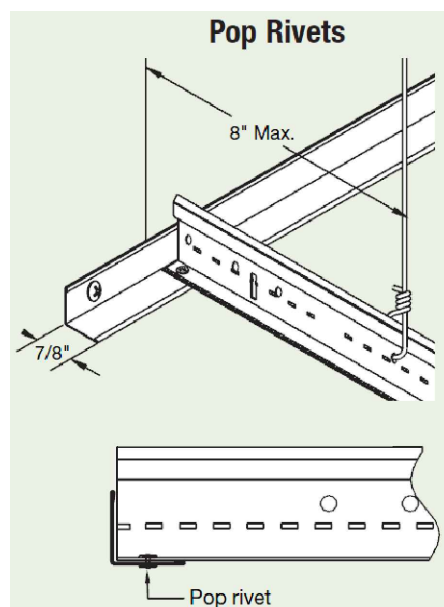
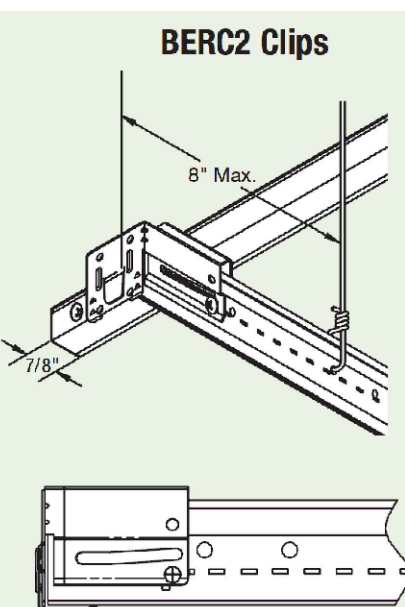
- PERIMETER MOLDING OPTIONS
- (ESR-1308)- 7/8\" MOLDING - BERC2 CLIP
  - 2\" PERIMETER WALL MOLDING

NOTES:

- ALTERNATE METHODS ARE APPROVED PRIOR TO INSTALLATION BY THE LOCAL BUILDING DEPARTMENT AND THE DESIGNER OF RECORD. ONE END OF THE CEILING GRID SHALL BE ATTACHED TO THE WALL MOLDING, THE OTHER END SHALL A 3/4\" CLEARANCE FROM THE WALL AND FREE TO SLIDE.
- THE GRID SHALL BE ATTACHED AT TWO ADJACENT WALLS (POP RIVETS OR APPROVED METHOD).
- THERE SHALL BE A MINIMUM 3/4\" CLEARANCE FROM THE END OF THE GRID SYSTEM AT UN-ATTACHED WALLS.



D SUSPENDED CEILING WALL MOLDINGS - OPTION B - 2\" PERIMETER WALL MOLDING



8 IT CABINET ACCESS DETAIL

SCALE  
1\"=1'-0"

3 CEILING TILE AT COLUMN DETAIL

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

2 EAS AT TOILET ROOM CORRIDOR

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

1 LIGHT FIXTURE DETAIL

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



GENERAL NOTES:

- REFER TO FINISH SCHEDULE FOR FLOOR COVERING AND FINISH CODES AND SPECIFICATIONS.
- TILE IS SHOWN FOR FIELD RUN AND PATTERN ONLY. REFER TO COLOR AND FINISH SCHEDULE FOR MATERIAL SPECIFICATIONS.
- PROVIDE WB-1 AT WALLS AND COLUMN ENCLOSURES.
- ALL PAINTED AND WALL COVERING SURFACES SHALL BE PRIMED. SEE ARCHITECT'S SPECIFICATION SHEET AND PAINT MANUFACTURER SPECIFICATIONS.
- PAINT ALL SURFACES FLOOR TO CEILING BEFORE WALL COVERING INSTALLATION.
- ALL METAL SURFACES TO BE PAINTED WITH LOW GLOSS OIL BASE PRIMER AND OIL BASE FINISH COATS IN COLOR INDICATED ON DRAWING.
- PAINT ON ALL GYPSUM BOARD SURFACES TO BE APPLIED WITH A HEAVY Knap ROLLER.
- GROUT TO BE SEALED PER MANUFACTURER'S RECOMMENDATIONS. CLEAN SEALER OFF THE ADJACENT FLOOR FINISHES.
- ENSURE PROPER ENVIRONMENTAL CONDITIONS ARE MET FOR THE INSTALLATION OF ALL INTERIOR FINISHES.
- SEE DETAIL 9/A-8.2 FOR INSTALLATION AT CONCRETE CONTROL JOINTS. FOR TILE CONTROL JOINTS, FOLLOW TILE MANUFACTURER'S RECOMMENDATIONS.
- FLOOR FINISHES TO CONTINUE UNDER GYPSUM BOARD. GYPSUM BOARD TO BE HELD UP FROM FLOOR SLAB. SEE DETAIL 1/A8.2. IF GYPSUM BOARD DOES NOT ALLOW FINISH UNDERNEATH, HOLD FLOOR FINISH AS TIGHT AS POSSIBLE TO GYPSUM BOARD.
- TRANSITION STRIPS TO BE MITERED AT INTERSECTIONS.
- CUT PORCELAIN TILE WITH A WATER JET. DO NOT CUT PORCELAIN TILE ON SITE.
- G.C. TO TOUCH UP PAINT PRIOR TO STORE OPENING.
- G.C. TO PROVIDE TWO LAYERS OF CRAFT PAPER OVER ALL TILE AND GROUT ON FLOORS. TAPE DOWN AND STAGGER SEAMS BY HALF THE PAPER WIDTH ON THE SECOND LAYER.
- FLOOR COVERINGS ARE TO BE SLIP RESISTANT THROUGHOUT THE MEANS OF EGRESS.
- G.C. TO INSPECT CONDITION OF EXISTING FLOOR SLAB AND PATCH/REPAIR SURFACE IMPERFECTIONS. IF FLOOR LEVELING IS REQUIRED, ARDEX MUST BE USED AND IT MUST BE INSTALLED BY AN ARDEX LEVEL MASTER ELITE OR ARDEX CHOICE CONTRACTOR INSTALLER. SEE VENDOR CONTACT INFORMATION ON SHEET CS3.0. G.C. TO PROVIDE WARRANTY LETTER ON ARDEX CORPORATE LETTERHEAD. A MINIMUM OF A 5 YEAR WARRANTY MUST BE PRESENTED.
- SEE SHEET CS3.0 FOR CONCRETE SLAB MOISTURE TEST REQUIREMENTS. TESTING PERFORMED BY FLOORING INSTALLATION CONTRACTOR WILL NOT BE ACCEPTED.

MARK	LOCATION	FLOOR		WALLS			CEILING		REMARKS
		FINISH	BASE	NORTH	EAST	SOUTH	WEST	HEIGHT	
100	VESTIBULE	PT-17	N/A	N/A	N/A	N/A	N/A	GYP. BD, P-1	11'-0"
101	SALES	VT-11Q	WB-1	WC-7WC-8	WC-7WC-8	WC-7WC-8	P-1	GYP. BD, P-1(ACT-1)	11'-0"11'-0"
102	CORRIDOR 1	VT-11Q	WB-1	WC-7	WC-7	WC-7	WC-7	ACT-1	9'-0"
103	RESTROOM 1	PT-17	PT-14	WC-9/PT-14	WC-9/PT-14	WC-9/PT-14	WC-9/PT-14	GYP. BD, P-1	9'-0"
104	RESTROOM 2	PT-17	PT-14	WC-9/PT-14	WC-9/PT-14	WC-9/PT-14	WC-9/PT-14	GYP. BD, P-1	9'-0"
105	COAT CLOSET	VT-11Q	WB-2	P-1	P-1	P-1	P-1	ACT-2	9'-0"
106	SHAMPOO/DRYING	VT-11Q	WB-1	WC-7	WC-7	WC-7	WC-7	ACT-1	10'-0"
107	WASHER/DRYER	VT-11Q	WB-2	P-1	P-1	P-1	P-1	ACT-2	11'-0"
108	CORRIDOR 2	VT-11Q	WB-1	WC-7	WC-7	WC-7	WC-7	ACT-1	9'-0"
109	STAGING	RT-1/RT-2	WB-2	PLY-1	PLY-1	PLY-1	PLY-1	ACT-2	13'-0"
110	SALON	PT-18	WB-1	WC-7	WC-7	WC-7	WC-7	ACT-1	11'-0"
111	LOCKED STORAGE	RT-1	WB-2	PLY-1	PLY-1	PLY-1	PLY-1	ACT-2	11'-0"
112	OFFICE	RT-1	WB-2	P-1	P-1	P-1	P-1	GYP. BD, P-1	8'-0"
113	TRAINING ROOM	RT-1	WB-2	P-1	P-1	P-1	P-1	ACT-2	11'-0"

	SPECIFICATION, (SEE FINISH SPECS. ON A4.1)	PT - PORCELAIN TILE WD - WOOD VT - VINYL TILE	FLAME SPREAD AND SMOKE DEVELOPMENT	NOTES	REMARKS
				ACT - ACOUSTICAL CLG. TILE WB - WALL BASE PLY - PLYWOOD	PL - PLASTIC LAMINATE WC - WALL COVERING P - PAINT

2	ROOM FINISH SCHEDULE	SCALE
		NONE

KEY	MATERIAL DESCRIPTION	MFG.	SPECIFICATIONS	FLAME SPREAD AND SMOKE DEVELOPMENT	NOTES	REMARKS
(ACT-1)	ACOUSTIC TILE	ARMSTRONG	DUNE SECOND LOOK #2712 - 2'x4'x3/4", 15/16" ANGLED TEGULAR WITH PRELUDE XL SUSPENSION 15/16" (WHITE)	CLASS A 25 AND 50	SEE VENDOR INFO ON CS3.0 FOR ULTA NATIONAL ACCOUNT	
(ACT-2)	ACOUSTIC TILE	ARMSTRONG	CORTEGA - 769 - 24"x48"x5/8" WITH PRELUDE XL SUSPENSION 15/16" EXPOSED TEE SYSTEM (WHITE)	CLASS A 25 AND 10	SEE VENDOR INFO ON CS3.0 FOR ULTA NATIONAL ACCOUNT	
(P-1)	PAINT	BENJAMIN MOORE	REGAL SELECT - PEARL 550 FINISH READY MIX, COLOR: WHITE TEL. 773-597-8698, CONTACT: JASON WALKER	N/A	FINISH GYPSUM BOARD WITH PRIMER AND PAINT TO FLOOR PEARL 550 FINISH ON WALLS FLAT (SAT) FINISH ON SOFFITS & CEILINGS. SEMI GLOSS (85) ON DOOR FRAMES & TRIM. SEE DOOR SCHEDULE.	ALTERNATE PAINT: PPG PAINTS COLOR: PPG1011-1 PACIFIC PEARL, PRIMER (6-4800X) SPEEDHIDE, WALLS (82-400 MANOR HALL SATIN), SOFFIT/CEILINGS (82-500 MANOR HALL S/G) TEL. (314) 393-7807, CONTACT SHANE GLASCOCK
(P-3)	PAINT	BENJAMIN MOORE	REGAL SELECT - PEARL 550 FINISH READY MIX, COLOR: CALYPSO ORANGE 2015-30 (PEARL) TEL. 773-597-8698, CONTACT: JASON WALKER	N/A	FINISH GYPSUM BOARD WITH PRIMER AND PAINT TO FLOOR	ALTERNATE PAINT: PPG PAINTS COLOR: PPG CALYPSO ORANGE CUSTOM MATCH, PRIMER (6-4800X) SPEEDHIDE, WALLS (82-400 MANOR HALL SATIN) TEL. (314) 393-7807, CONTACT SHANE GLASCOCK
(P-6)	PAINT	BENJAMIN MOORE	ULTRA SPEC SCUFF-X READY MIX, COLOR: WHITE EGG SHELL FINISH	N/A	APPLY TO COLUMN ENCLOSURES, STAGING DOOR AND FRAME. APPLY BENJAMIN MOORE ULTRA SPEC PRIMER N54 FOR ANY METAL SUBSTRATE. USE DTM PRIMER. AFTER PRIMER HAS DRIED, APPLY (2) COATS OF P-6 PRIOR TO INSTALLATION OF WB-1. SEE VENDOR CONTACT INFO ON SHEET CS3.0.	ALTERNATE PAINT: PPG PAINTS COLOR: PPG1011-1 PACIFIC PEARL, PRIMER (17-321 SEAL GRIP), METAL PRIMER (82-112 DTM PRIMER FINISH) (16-310 WB PRE-CAT EPOXY EGG SHELL) TEL. (314) 393-7807, CONTACT SHANE GLASCOCK
(P-7)	PAINT	SHERWIN WILLIAMS	SW 7071 GRAY SCREEN, SEMI-GLOSS FINISH	N/A	SEE DOOR TYPES ON DETAIL 2/A2.4 FOR LOCATIONS.	ALTERNATE PAINT: PPG PAINTS COLOR: PPG1012-4 GRAY FROST, DOORS (82-500 MANOR HALL SEMI-GLASS) TEL. (314) 393-7807, CONTACT SHANE GLASCOCK
(PLY-1)	PLYWOOD		3/4" FIRE TREATED PLYWOOD		APPLY TO STAGING WALL FROM FLOOR TO 8" ABOVE CEILING. FINISH PLYWOOD WITH PRIMER AND PAINT P-1.	SEE 7/A8.3 FOR ATTACHMENT REQUIREMENT.
(PT-14)	PORCELAIN TILE	DALTILE	SERIES: NEOCONCRETE, COLOR: WHITE NE10 ITEM: NE101224PK SETTING MATERIAL: ARDEX X5 GROUT COLOR: MAPEI 01 ALABASTER 12" X 24" X 5/16" NOMINAL, 29.56 CM X 59.44 CM TEL. (877) 556-5728, CONTACT: JOHN ELZE	N/A	3/16" GROUT JOINT G.C. TO USE TEXSPAR PLUS TILE CLEANER IN THEIR FINAL CLEANING OF THE TILE. SEE VENDOR CONTACT INFORMATION ON SHEET CS3.0.	TILE FURNISHED BY ULTA, INSTALLED BY G.C., SETTING MATERIALS AND GROUT PROVIDED BY G.C., ALSO SEE SPECIFICATION SHEETS. OFFSET PATTERN TO BE 33%. INSTALL BRICK JOINT PATTERN PER MANUFACTURER WRITTEN RECOMMENDATIONS.
(PT-17)	PORCELAIN TILE	DALTILE	SERIES: MODERN FORMATION, FINISH: MATTE COLOR: HEADLAND FOG MF04 SETTING MATERIAL: ARDEX X5 GROUT COLOR: MAPEI 47 CHARCOAL 12"x24"x 5/16" NOM., 29.56 CM x 59.44 CM TEL. (877) 556-5728, CONTACT: JOHN ELZE	N/A	3/16" GROUT JOINT G.C. TO USE TEXSPAR PLUS TILE CLEANER IN THEIR FINAL CLEANING OF THE TILE. SEE VENDOR CONTACT INFORMATION ON SHEET CS3.0.	TILE FURNISHED BY ULTA, INSTALLED BY G.C., SETTING MATERIALS AND GROUT PROVIDED BY G.C., ALSO SEE SPECIFICATION SHEETS. OFFSET PATTERN TO BE 33%. INSTALL BRICK JOINT PATTERN PER MANUFACTURER WRITTEN RECOMMENDATIONS.
(PT-18)	PORCELAIN TILE	DALTILE	SERIES: MODERN FORMATION, FINISH: MATTE COLOR: HEADLAND FOG MF04 SETTING MATERIAL: ARDEX X5 GROUT COLOR: MAPEI 47 CHARCOAL 24"x24"x 5/16" NOM., 59.44 CM x 59.44 CM TEL. (877) 556-5728, CONTACT: JOHN ELZE	N/A	3/16" GROUT JOINT G.C. TO USE TEXSPAR PLUS TILE CLEANER IN THEIR FINAL CLEANING OF THE TILE. SEE VENDOR CONTACT INFORMATION ON SHEET CS3.0.	TILE FURNISHED BY ULTA, INSTALLED BY G.C., SETTING MATERIALS AND GROUT PROVIDED BY G.C., ALSO SEE SPECIFICATION SHEETS. OFFSET PATTERN TO BE 33%. INSTALL BRICK JOINT PATTERN PER MANUFACTURER WRITTEN RECOMMENDATIONS.
(RT-1)	RUBBER FLOOR TILE	MANNINGTON	COLORSPEC (QUICKSTIX) WHITE SMOKE 166 SMOOTH 18.125" X 18.125"	CLASS A - 450		RUBBER TILE AND QUICKSTIX PRIMER BY ULTA, INSTALLED BY G.C.
(RT-2)	RUBBER FLOOR TILE	MANNINGTON	COLORSCAPE (QUICKSTIX) GERANIUM 966 SCULPTURED 18.25" X 18.25"	CLASS A - 450		RUBBER TILE AND QUICKSTIX PRIMER BY ULTA, INSTALLED BY G.C.
(VT-11Q)	VINYL FLOOR TILE	AMTICO	SPACIA NORDIC OAK SS5W2550 (QUICKSTIX) 7.25" X 48" X 2.5MM	CLASS A - 450		VINYL TILE AND QUICKSTIX PRIMER BY ULTA, INSTALLED BY G.C.
(W-1)	WINDOW SHADE	ROLL-A-SHADE INC.	CHAIN CLUTCH ROLLER SHADE: PHIFER SHEERWEAVE STYLE 4400, 3% OPENNESS, COLOR: CHALK WHITE WITH WHITE MECHANICALLY FASTENED FASCIA.		SEE VENDOR INFO ON CS3.0 FOR ULTA NATIONAL ACCOUNT	ULTA TO PROVIDE ON ALL STOREFRONT EXCEPT TRANSOM AND VESTIBULE
(WB-1)	RUBBER BASE	MANNINGTON	PREMIUM EDGE TYPE TP, 4" WALL COVE MOLDING, NUMBER 8174GR, COLOR: SILVER METALLIC	CLASS 1 - 450	G.C. TO SCRIBE THE 4" BASE TO FIT UNDER THE PERIMETER SALES AREA FIXTURES. USE CONTINUOUS ROLLED PRODUCTS.	WALL BASE FURNISHED BY ULTA, INSTALLED BY G.C. ADHESIVE PROVIDED BY G.C. INSTALLATION TO BE COMPLETED BY PROFESSIONAL RUBBER BASE INSTALLER. SEE PERIMETER FIXTURE BASE DETAIL 8/A8.3.
(WB-2)	RUBBER BASE	MANNINGTON	PREMIUM EDGE TYPE TP, 4" WALL COVE MOLDING, NUMBER 9424GR, COLOR: BEDROCK	CLASS 1 - 450	USE CONTINUOUS ROLLED PRODUCTS.	WALL BASE FURNISHED BY ULTA, INSTALLED BY G.C. ADHESIVE PROVIDED BY G.C. INSTALLATION TO BE COMPLETED BY PROFESSIONAL RUBBER BASE INSTALLER.
(WC-7)	VINYL WALL COVERING	KOROSEAL	COLLECTION: ARTE: PATTERN: ASPEN COLOR: 67262 (LIGHT GREY) ROLL WIDTH: 52"-54", RANDOM MATCH, REVERSE HUNG	CLASS A - ASTM E-84	SEE VENDOR INFO ON CS3.0 FOR ULTA NATIONAL ACCOUNT	FURNISHED BY ULTA, INSTALLED BY G.C. WALLCOVERING TO RUN VERTICALLY.
(WC-8)	VINYL WALL COVERING	KOROSEAL	COLLECTION: ARTE: PATTERN: ASPEN COLOR: 67260 (WHITE) ROLL WIDTH: 52"-54", RANDOM MATCH, REVERSE HUNG	CLASS A - ASTM E-84	SEE VENDOR INFO ON CS3.0 FOR ULTA NATIONAL ACCOUNT	FURNISHED BY ULTA, INSTALLED BY G.C. WALLCOVERING TO RUN VERTICALLY.
(WC-9)	VINYL WALL COVERING	KOROSEAL	COLLECTION: ARTE: PATTERN: ASPEN COLOR: 67270 (LIGHT PINK) ROLL WIDTH: 52"-54", RANDOM MATCH, REVERSE HUNG	CLASS A - ASTM E-84	SEE VENDOR INFO ON CS3.0 FOR ULTA NATIONAL ACCOUNT	FURNISHED BY ULTA, INSTALLED BY G.C. WALLCOVERING TO RUN VERTICALLY.
(WF-2)	WINDOW FILM	3M COMMERCIAL GRAPHICS DIVISION	FASARA - OPAQUE WHITE - SH2MAOW			WINDOW FILM TO BE APPLIED TO WINDOWS ON THE INTERIOR SURFACE OF GLASS. PRIOR TO INTERIOR ADJACENT WALL CONSTRUCTION, WHEN APPLICABLE, PROVIDE A SAMPLE OF WINDOW FILM TO LANDLORD REPRESENTATIVE FOR APPROVAL PRIOR TO INSTALLATION. SEE EXTERIOR ELEVATIONS.

1	FINISH SPECIFICATIONS	SCALE
		NONE

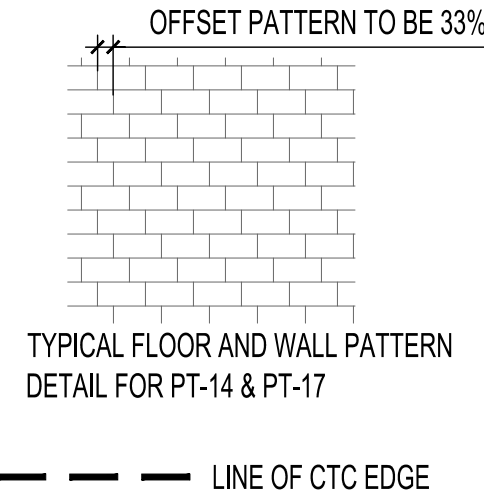
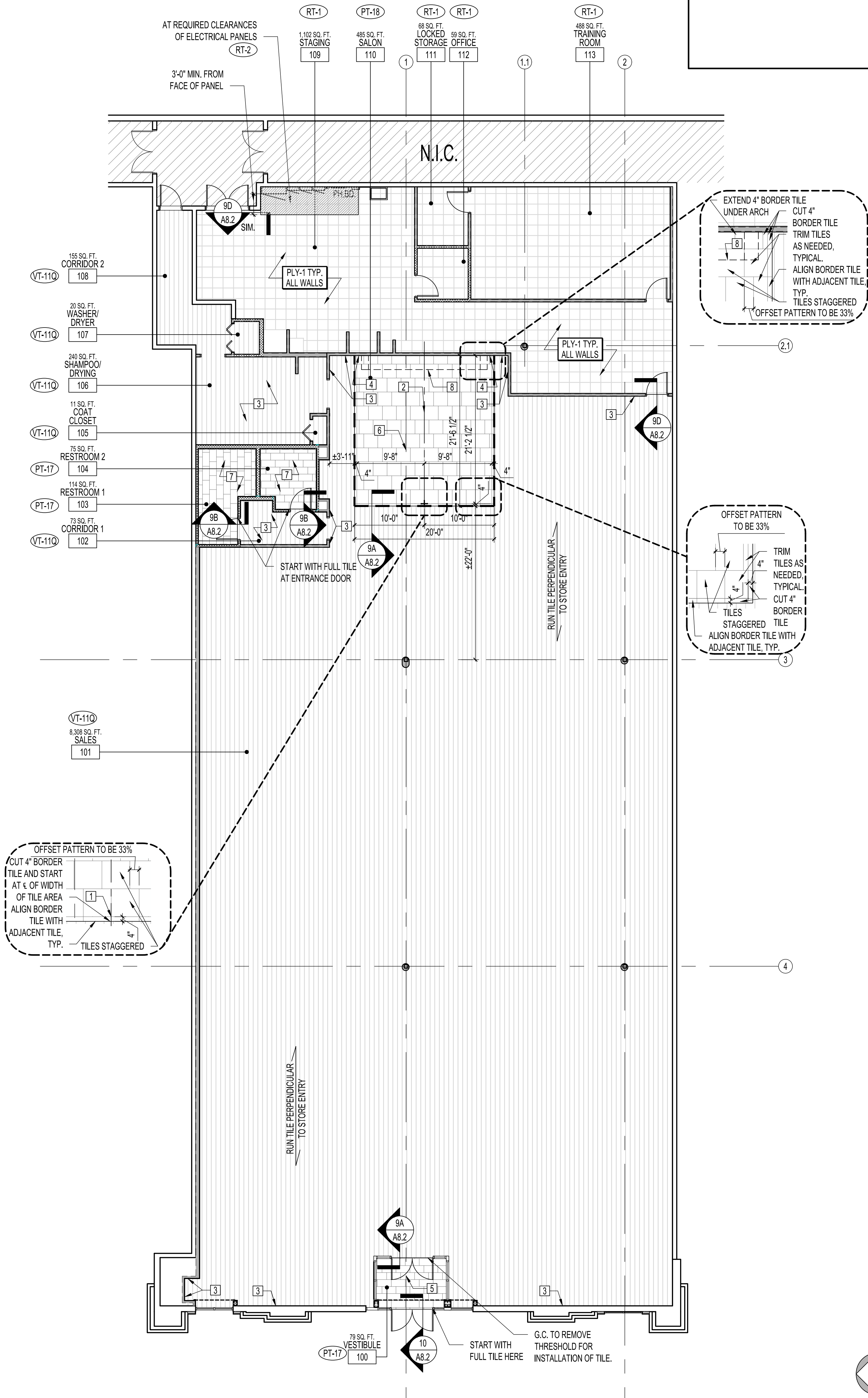
PLAN KEY NOTES:

- START FULL TILE AT 1/4" OF TILE AREA.
- 1/4" OF TILE AREA (ALIGNED WITH 1/4" OF SALON ARCH).
- DETAIL AT PERIMETER/ INTERIOR WALL. SEE DETAIL 8/A8.2.
- DETAIL AT PERIMETER/ INTERIOR WALL. SEE DETAIL 8/A8.2.
- CONTROL JOINT. SEE DETAIL 9C/A8.2.
- CONTROL JOINT. SEE DETAIL 9E/A8.2.
- G.C. TO EXTEND PORCELAIN TILE 5'-0" UP ALL RESTROOM WALLS. SEE INTERIOR ELEVATIONS.
- DASHED LINE INDICATES LIMITS OF SALON ARCH

NOTE: THESE FIGURES ARE FOR ULTA REFERENCE ONLY AND ARE APPROXIMATES. G.C. TO PERFORM TAKE OFFS AND SUBMIT TO ULTA.

ROOM#	ROOM NAME	FLOOR FINISH	AREA
100	VESTIBULE	PT-17	80 SQ. FT.*
101	SALES	VT-11Q	8,070 SQ. FT.*
102	CORRIDOR 1	VT-11Q	70 SQ. FT.*
103	RESTROOM 1 (FLOOR)	PT-17	70 SQ. FT.*
103	RESTROOM 1 (WALLS)	PT-14	170 SQ. FT.*
104	RESTROOM 2 (FLOOR)	PT-17	100 SQ. FT.*
104	RESTROOM 2 (WALLS)	PT-14	220 SQ. FT.*
105	COAT CLOSET	VT-11Q	10 SQ. FT.*
106	SHAMPOO/ DRYING	VT-11Q	370 SQ. FT.*
107	WASHER/ DRYER	VT-11Q	20 SQ. FT.*
108	CORRIDOR 2	VT-11Q	140 SQ. FT.*
109	STAGING	RT-1	990 SQ. FT.*
109	STAGING	RT-2	60 SQ. FT.*
110	SALON	PT-18	431 SQ. FT.*
111	LOCKED STORAGE	RT-1	70 SQ. FT.*
112	OFFICE	RT-1	60 SQ. FT.*
113	TRAINING ROOM	RT-1	460 SQ. FT.*

A FINISH PLAN AND ESTIMATED TILE AREAS



**RGLA**

rgla solutions, inc.

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Schiller Park, IL 60176  
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REVISIONS:

REVISIONS	DATE
LL & ULTA REVIEW	02/27/2024
BID ISSUE	02/27/2024
PERMIT ISSUE	02/28/2024
BID ADDENDUM - REVISION 1	02/28/2024
BID ADDENDUM - REVISION 2	04/18/2024
PERMIT RESUBMITTAL - REVISION 3	05/02/2024

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SEAL: 05/02/2024

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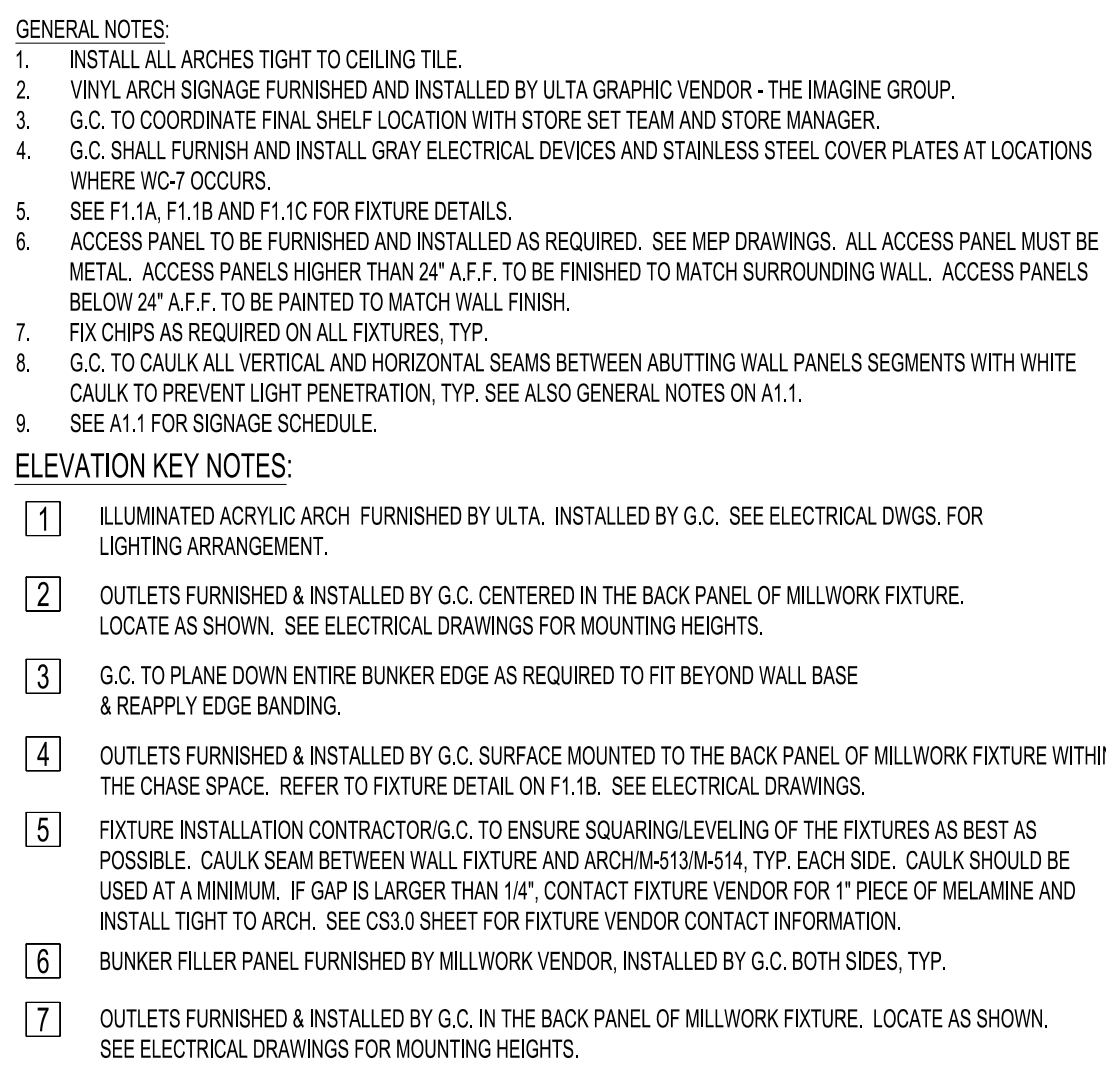
ULTA BEAUTY

ULTA #1865  
HILFIER SHOPPING CENTER  
4450 SE COMMERCIAL STREET  
SUITE 130  
SALEM, OR 97302

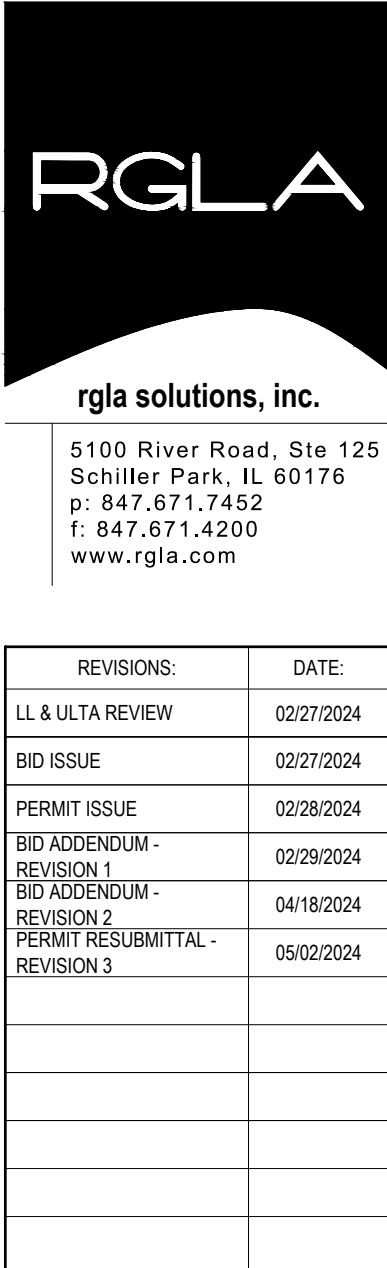
FLOOR FINISH  
PLAN, FINISH  
SCHEDULE AND  
SPECIFICATIONS

DRAWN BY  
JS  
CHECKED BY  
LR  
JOB NUMBER  
23472  
SHEET NAME  
A4.1





5	CEILING TRIM DETAIL
---	---------------------



RECEIVED  
JAMES A. GREGG & CO., JR.  
2023  
STATE OF OREGON

SEAL: 05/02/2024

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ULTA #1865  
HILFIKER SHOPPING CENTER  
4450 SE COMMERCIAL STREET  
SUITE 130  
SALEM, OR 97302

DRAWN BY
JS
CHECKED BY
LR
JOB NUMBER
23472
SHEET NAME
A6.1

SCALE  
1/4"=1'-0"



SCALE  
1/4"=1'-0"



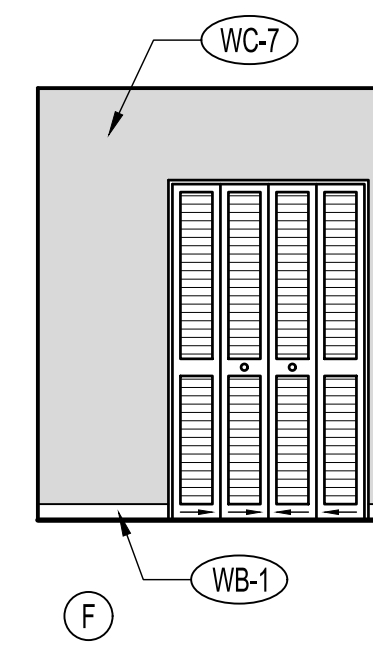
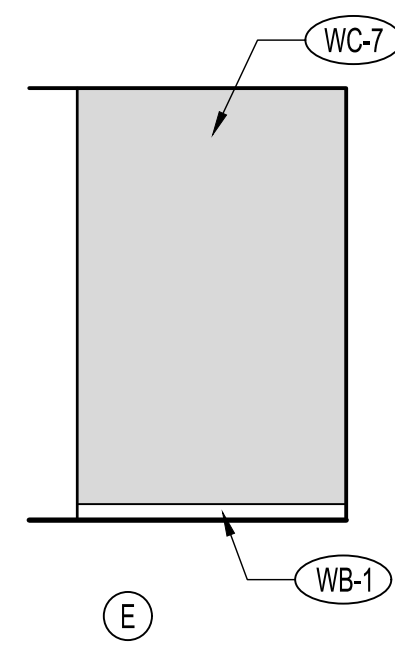
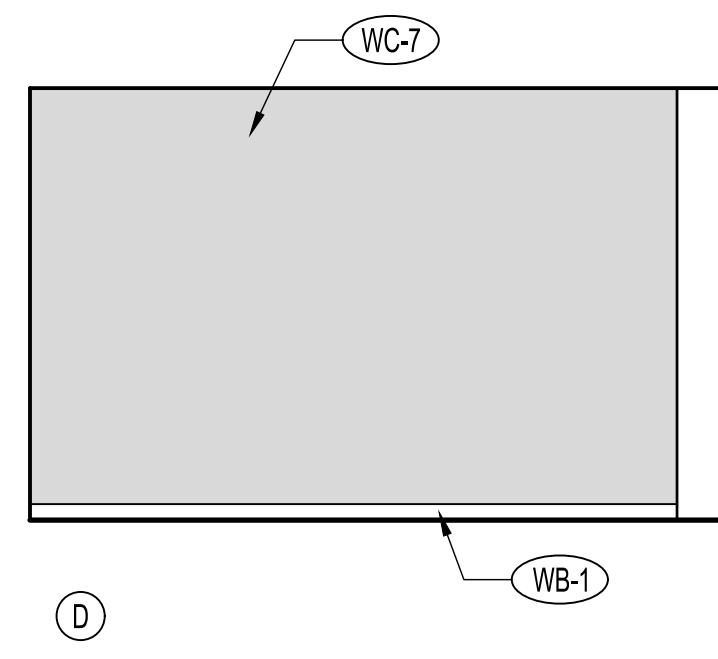
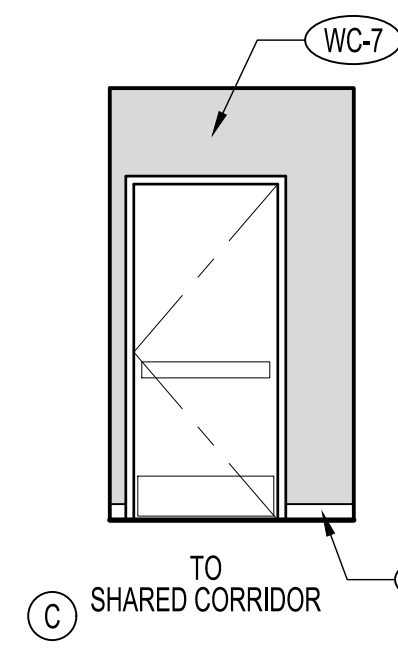
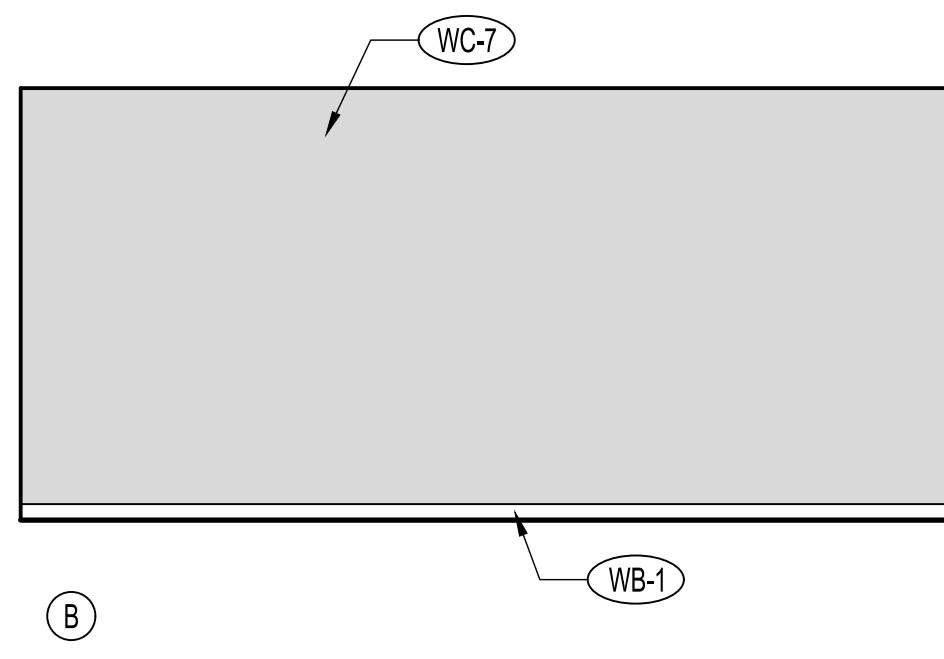
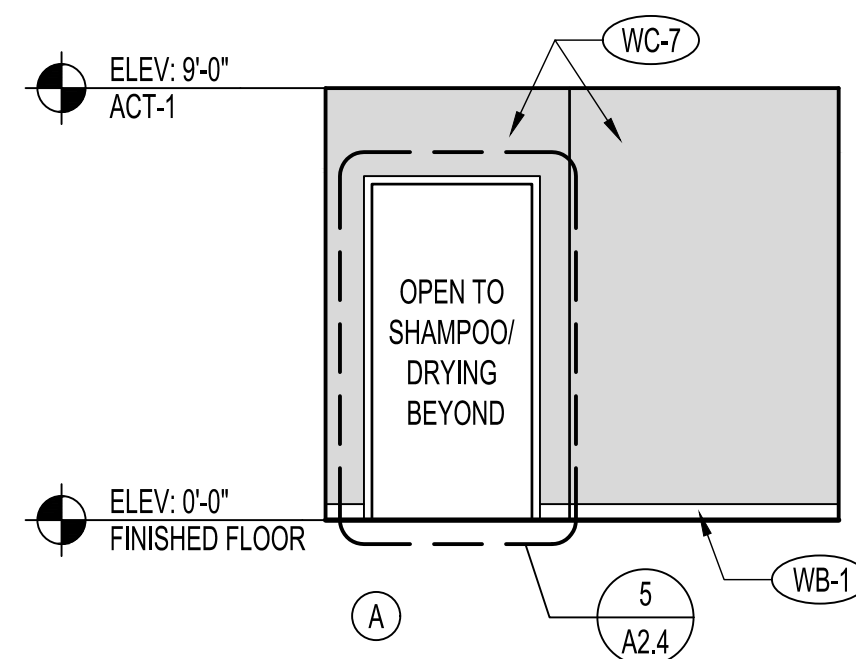
SCALE  
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LINE DENOTES RAISED  
GYP. BD. CEILING FOR  
ROLLING GRILLE  
SECURITY GATE; PAINT  
P-1 ALL SIDES BEFORE  
INSTALLING GATE  
HOUSING

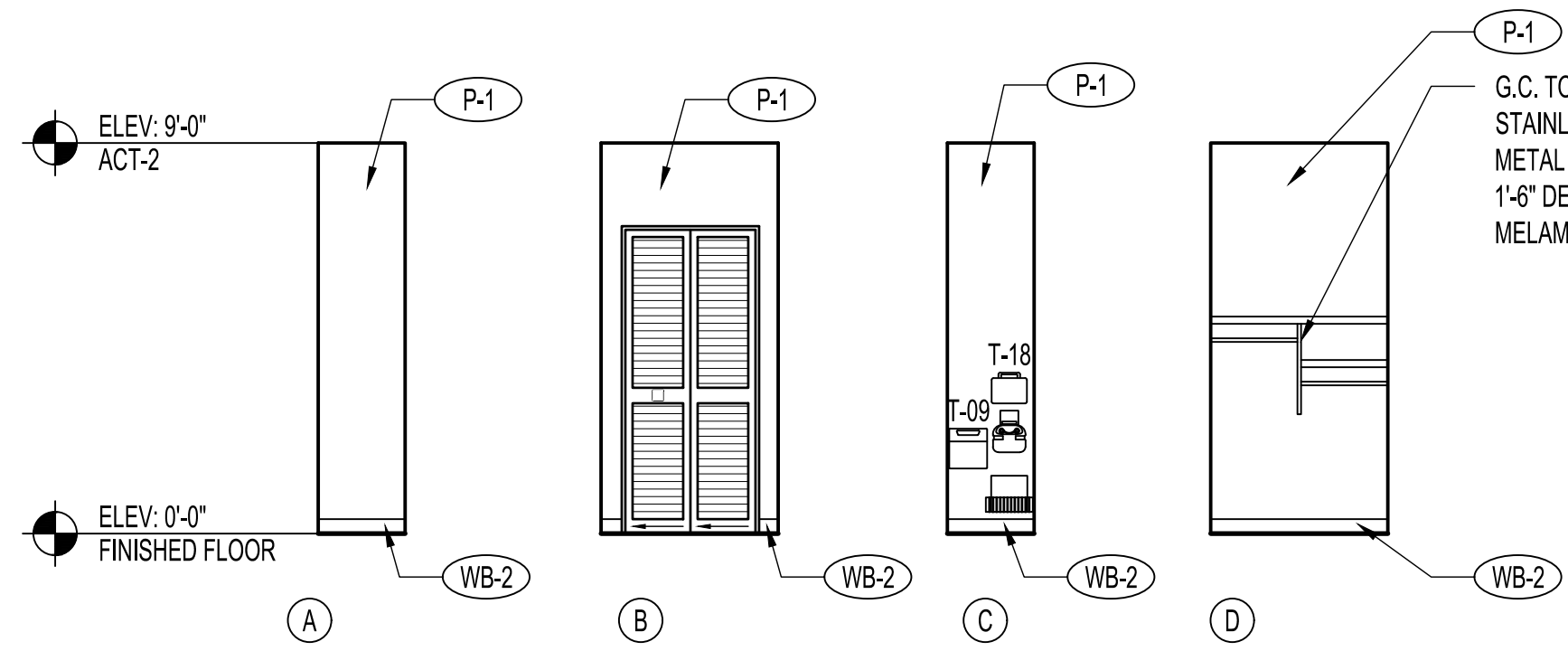
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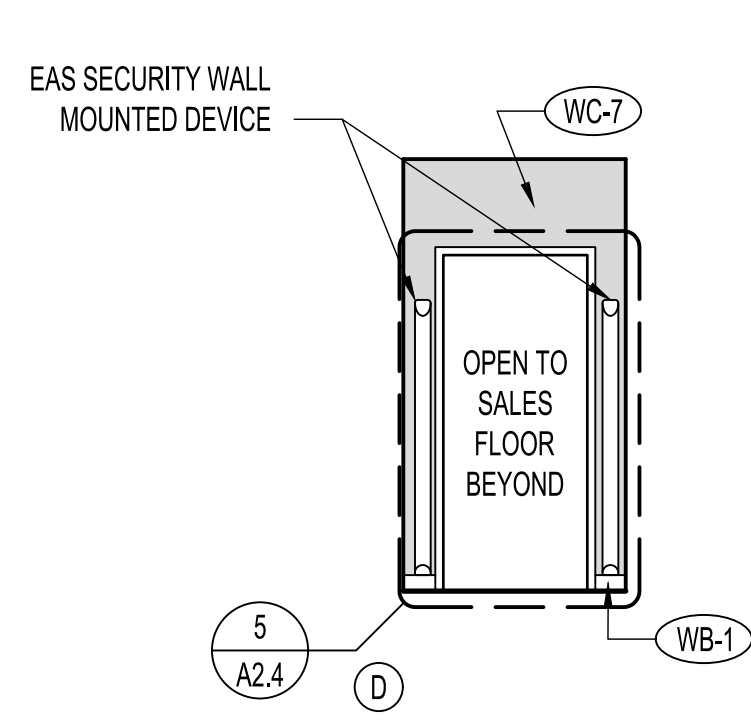
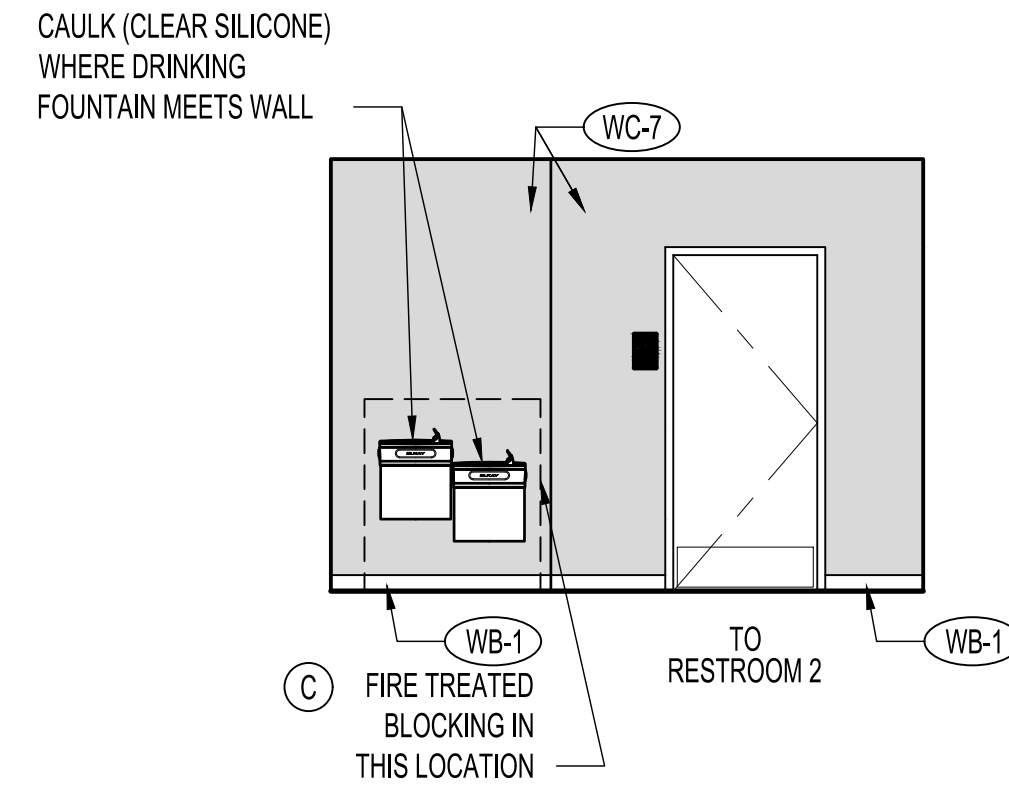
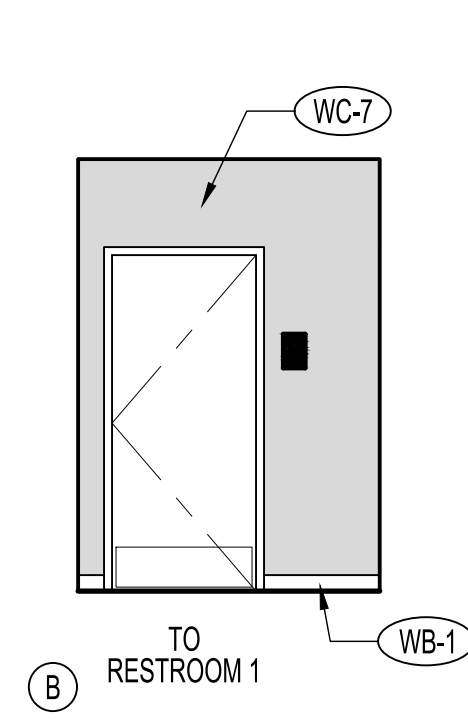
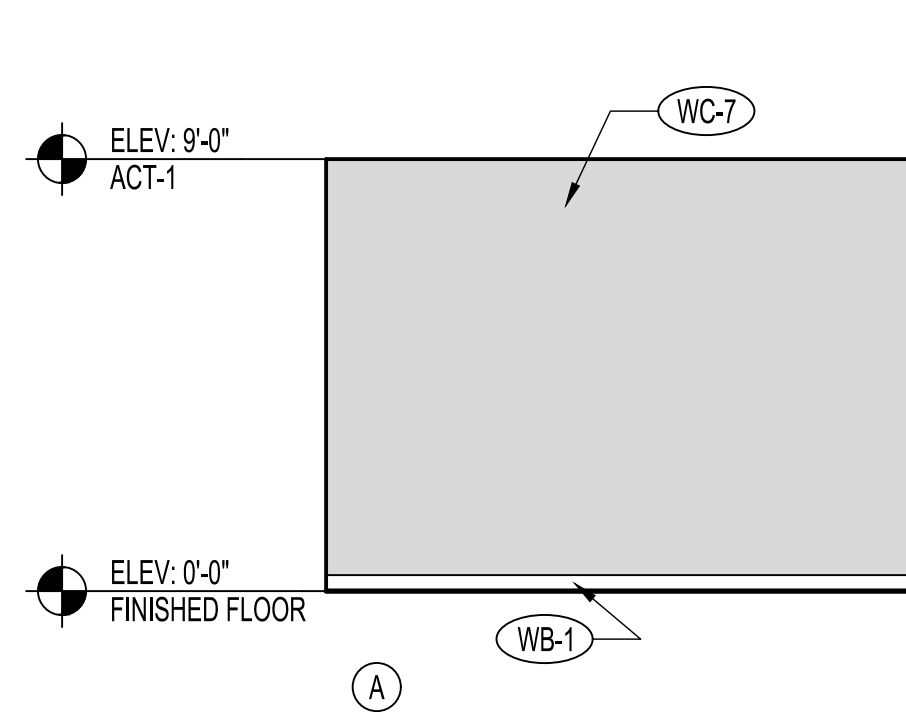


#### 7 ELEVATIONS - CORRIDOR 2

SCALE  
-



PROVIDE GRAY ELECTRICAL DEVICES AND STAINLESS STEEL COVER PLATES AT LOCATIONS WHERE WC-7 OCCURS.



#### 6 ELEVATIONS - COAT CLOSET

SCALE  
1/4"=1'-0"

#### 5 ELEVATIONS - CORRIDOR 1

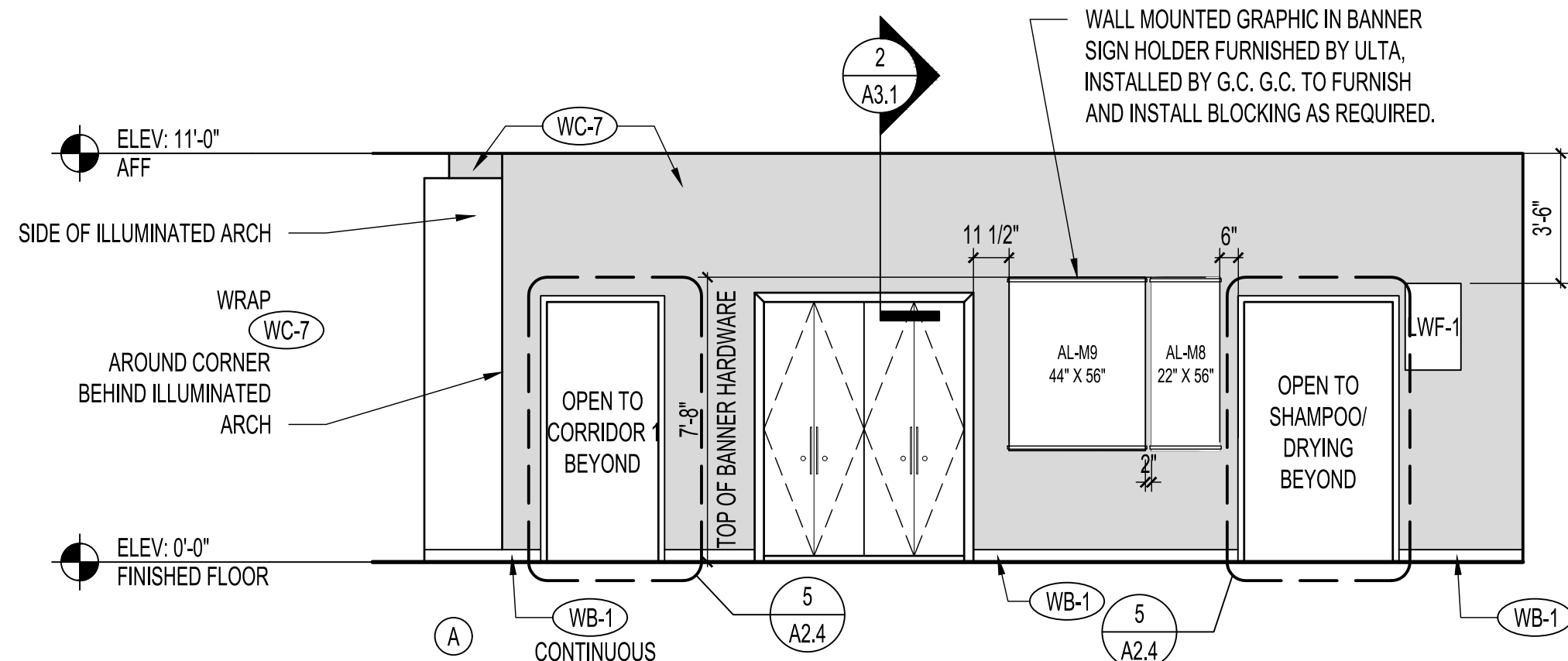
SCALE  
1/4"=1'-0"

G.C. TO COORDINATE FINAL SHELF LOCATION WITH STORE SET TEAM AND STORE MANAGER.

PROVIDE GRAY ELECTRICAL DEVICES AND STAINLESS STEEL COVER PLATES AT LOCATIONS WHERE WC-7 OCCURS.

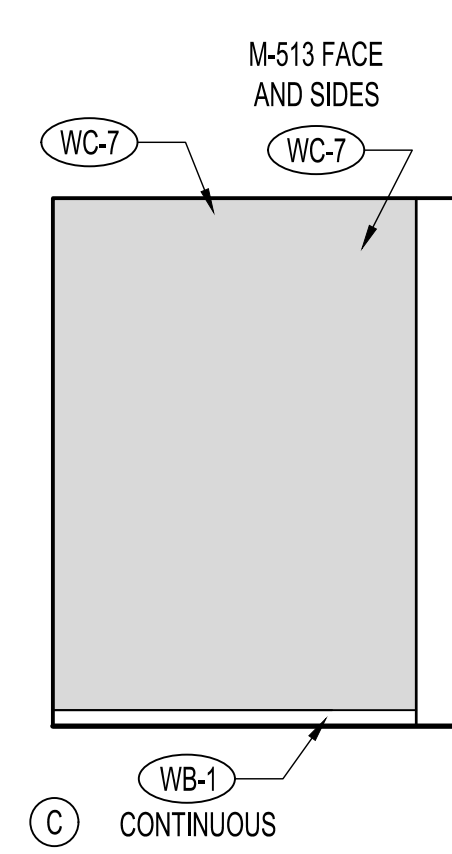
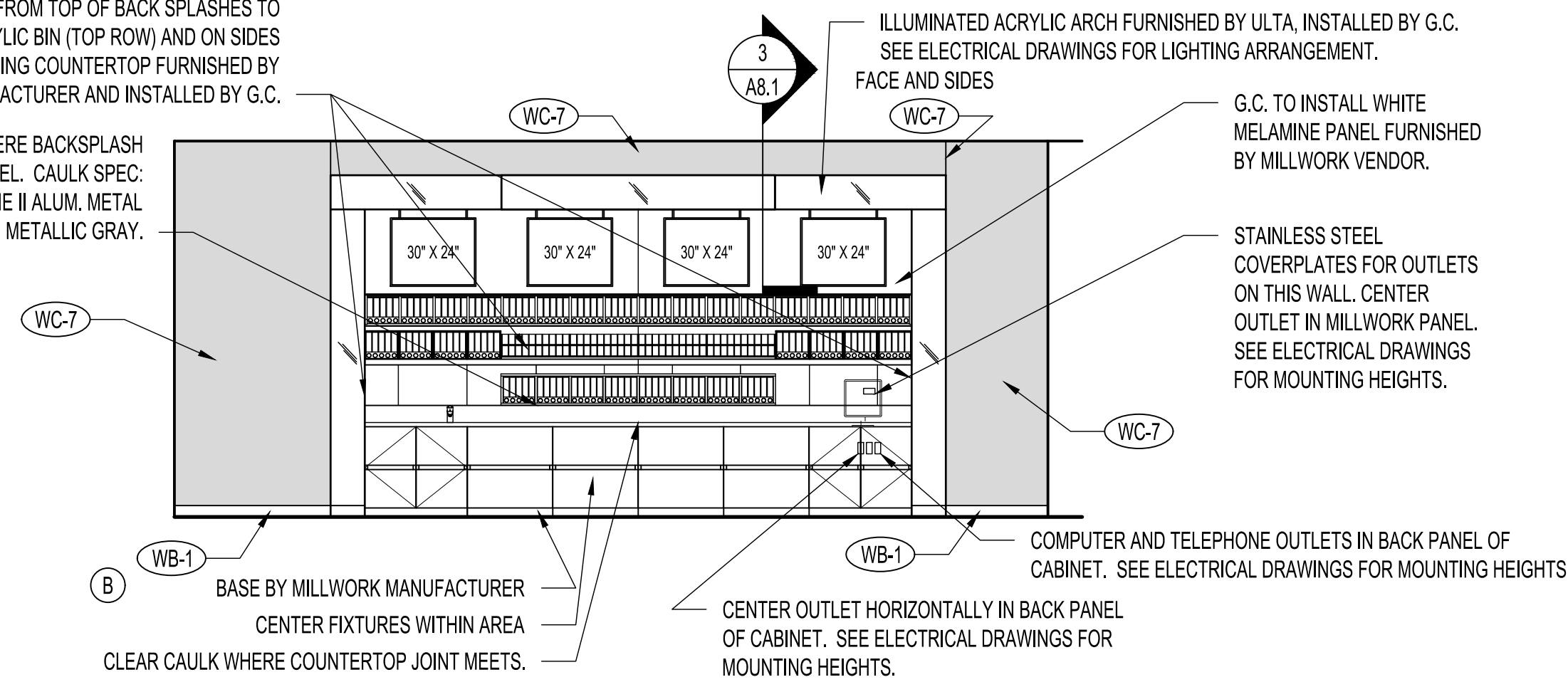
VINYL ARCH SIGNAGE FURNISHED AND INSTALLED BY ULTA GRAPHIC VENDOR - THE IMAGINE GROUP.

INSTALL ALL ARCHES TIGHT TO CEILING TILE



STAINLESS STEEL FROM TOP OF BACK SPLASHES TO BOTTOM OF ACRYLIC BIN (TOP ROW) AND ON SIDES OF ARCH, FACING COUNTERTOP FURNISHED BY MILLWORK MANUFACTURER AND INSTALLED BY G.C.

CAULK SEAM WHERE BACKSPLASH MEETS BACK PANEL. CAULK SPEC: GE5050 SILICONE II ALUM. METAL SEALANT, COLOR: METALLIC GRAY.

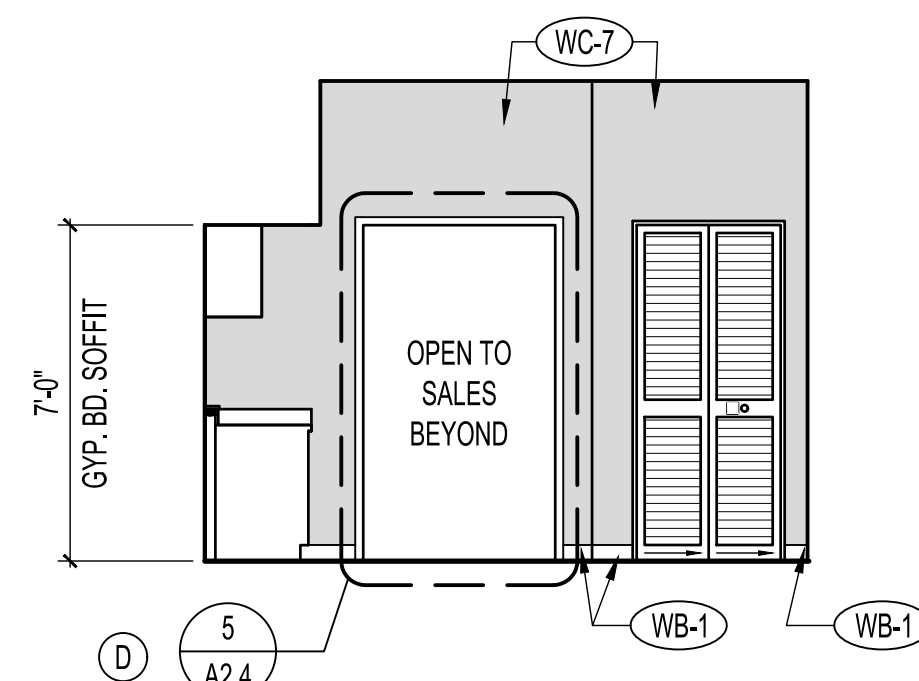
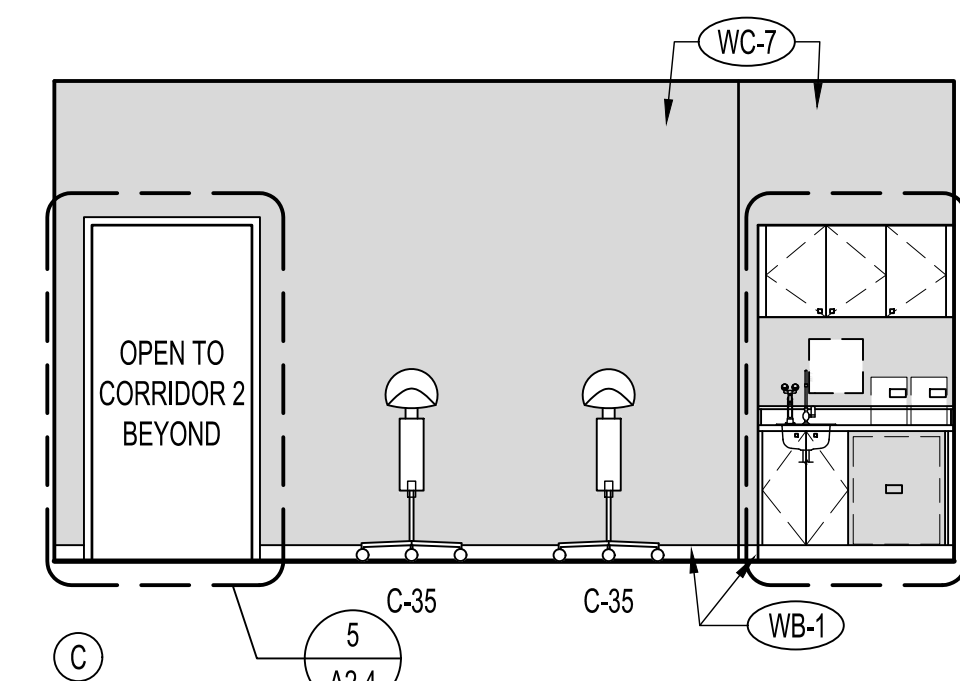
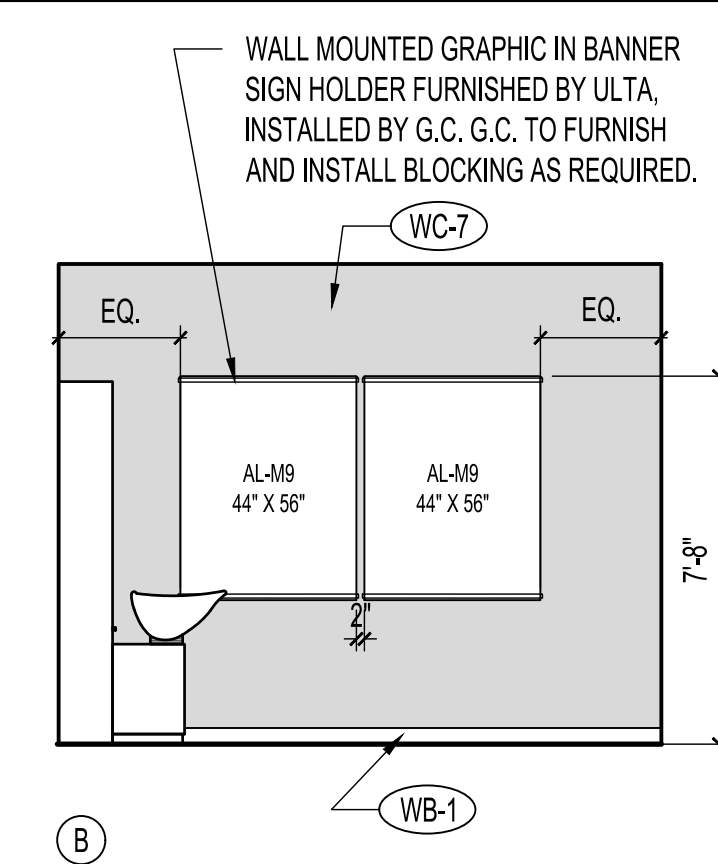
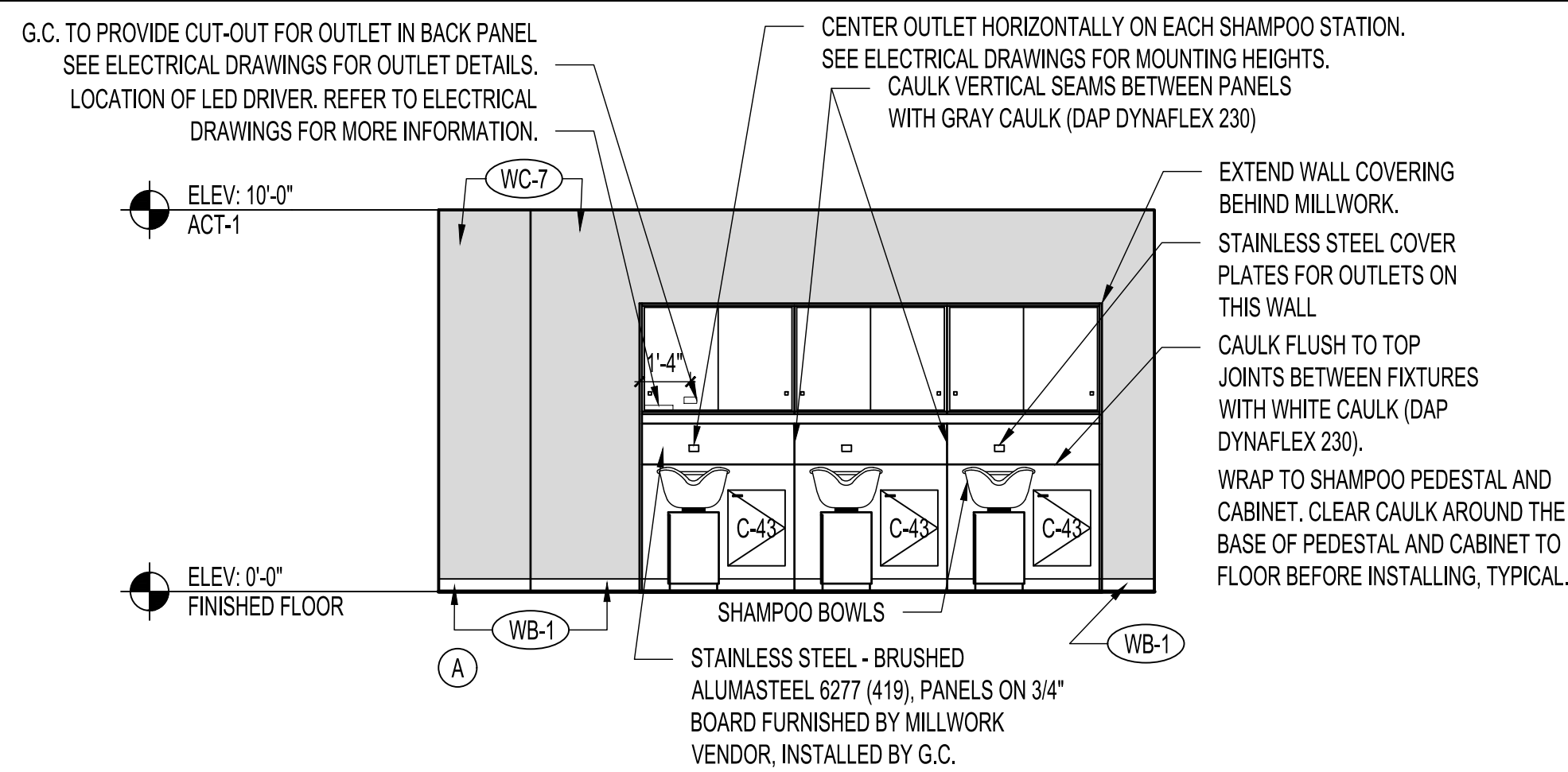


#### 4 ELEVATIONS - SALON

SCALE  
1/4"=1'-0"

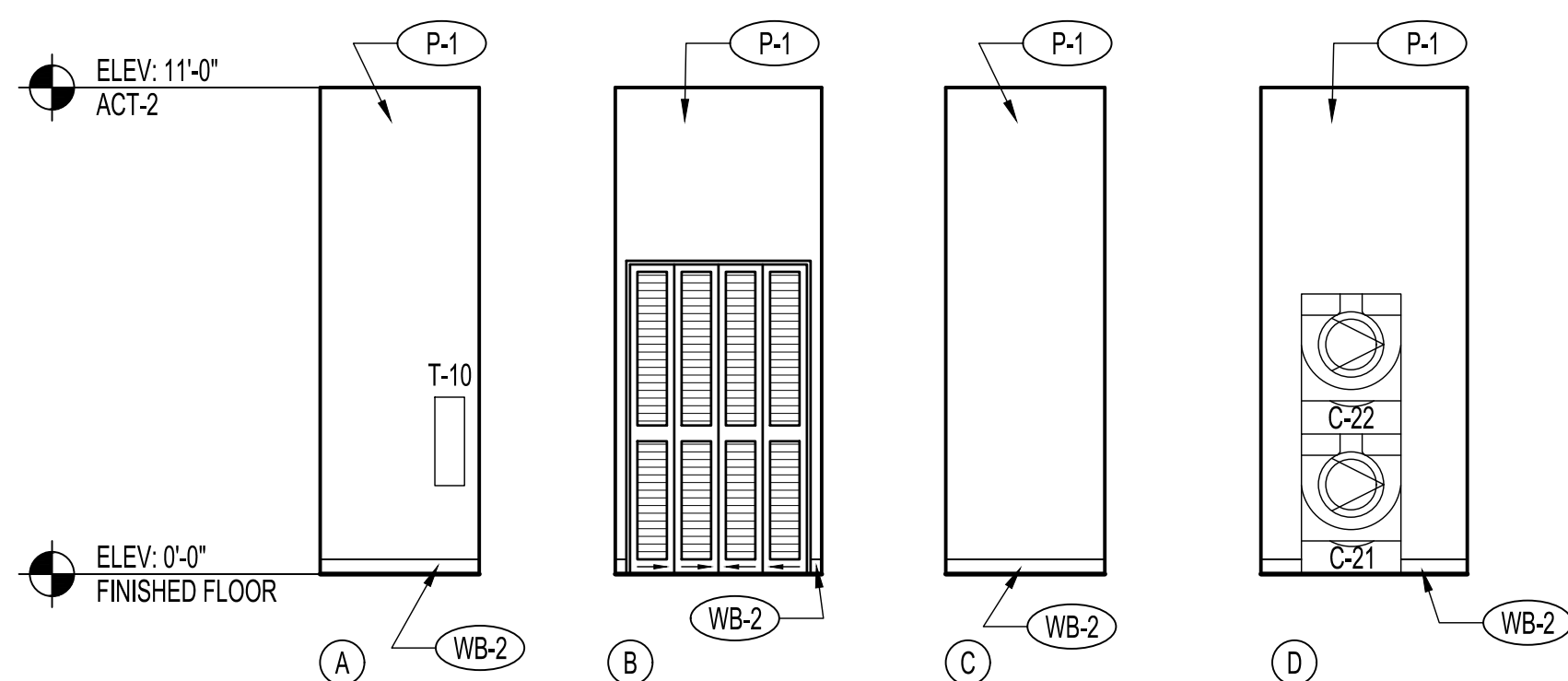
G.C. TO COORDINATE FINAL SHELF LOCATION WITH STORE SET TEAM AND STORE MANAGER.

PROVIDE GRAY ELECTRICAL DEVICES AND STAINLESS STEEL COVER PLATES AT LOCATIONS WHERE WC-7 OCCURS.



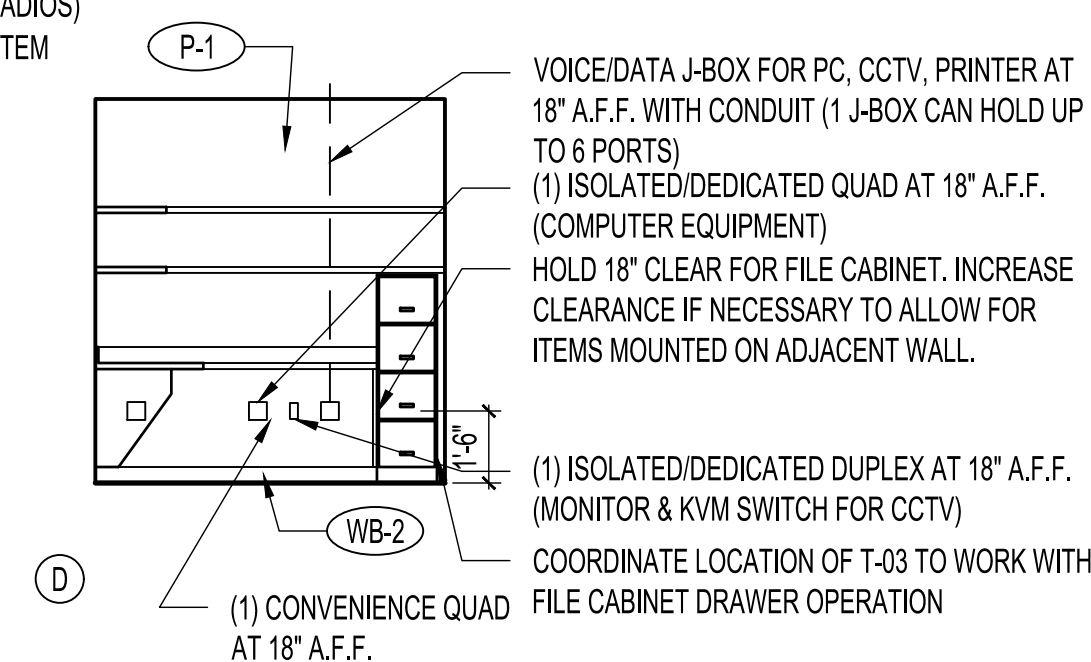
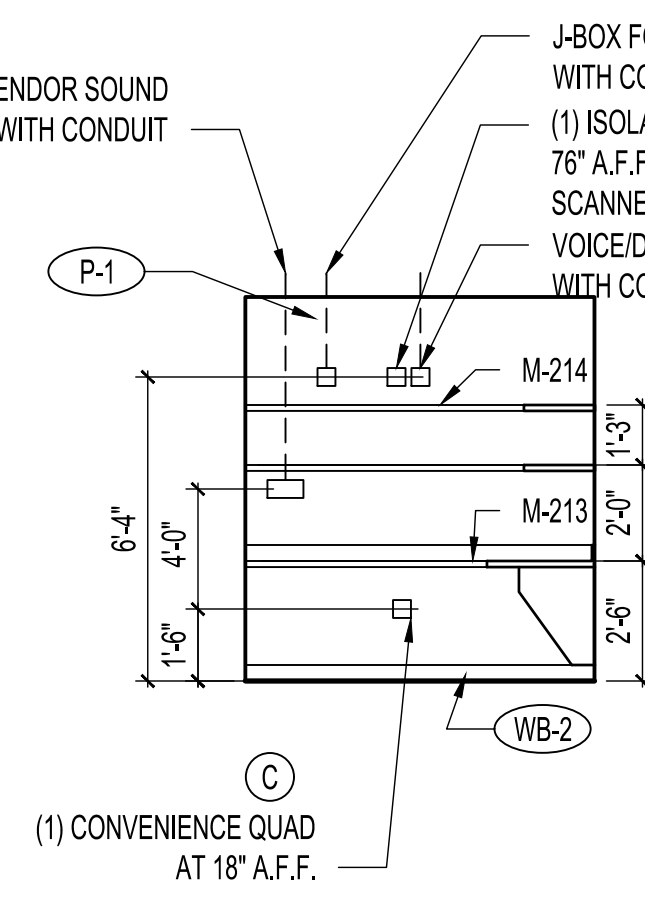
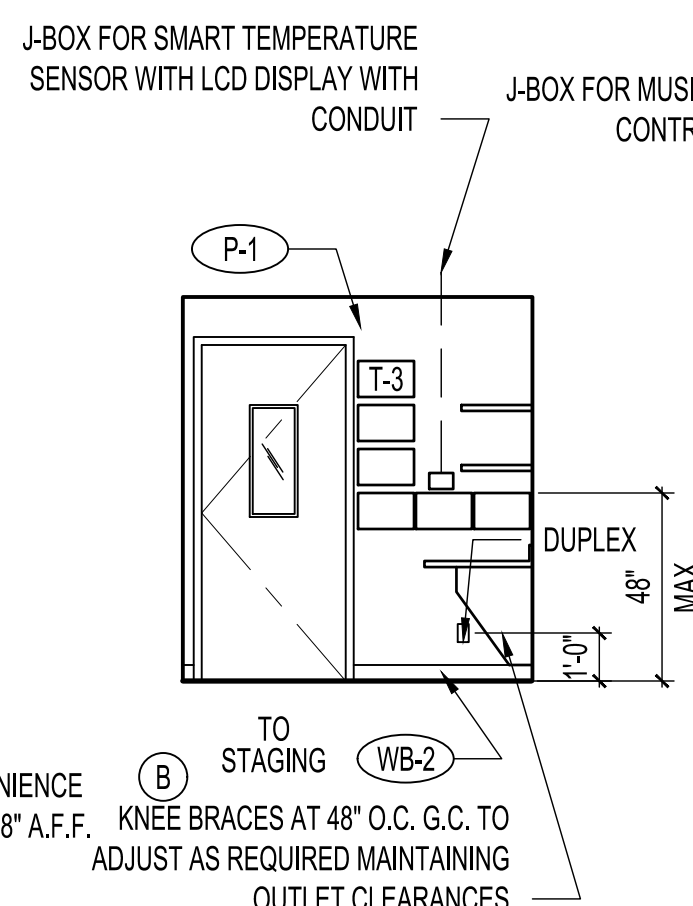
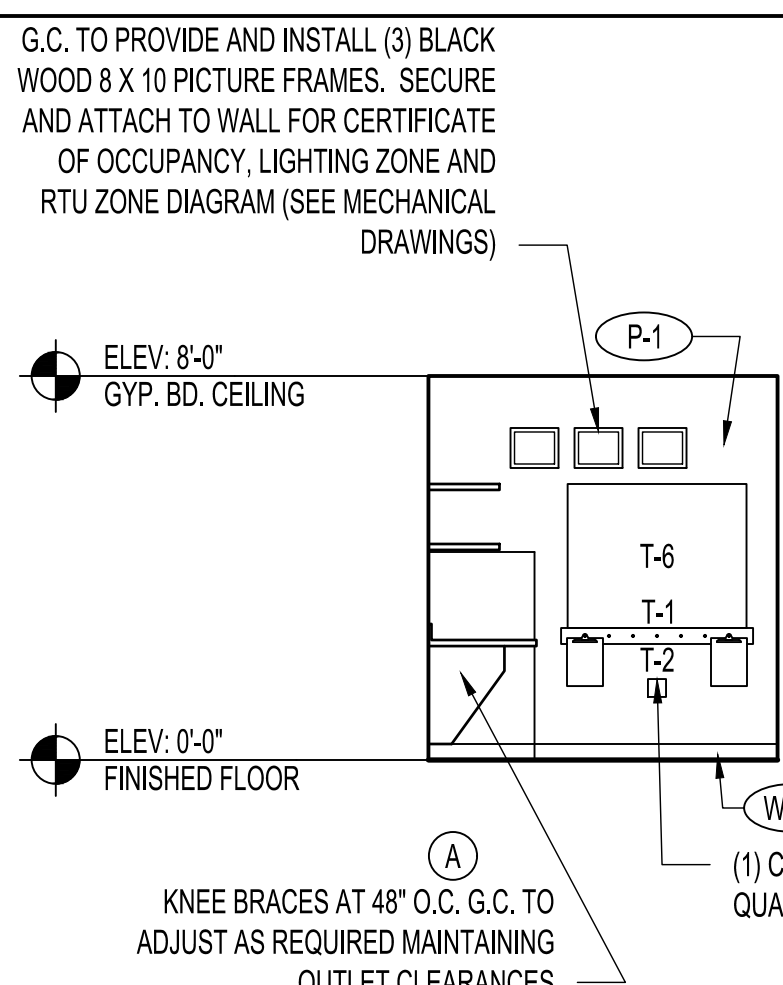
#### 3 ELEVATIONS - SHAMPOO/DRYING

SCALE  
1/4"=1'-0"



NOTES:  
1. COORDINATE ALL HEIGHTS OF ELECTRIC, PHONE, AND DATA OUTLETS WITH ELECTRICAL DRAWINGS. FOR WALL FIXTURE MOUNTING HEIGHTS SEE FIXTURE SCHEDULE.  
2. SECURE THE SHELVES TO THE BRACKETS.  
3. ALIGN SHELVING STANDARDS WITH WALL STUDS.  
4. CAULK BACKSPLASH TO WALL WITH WHITE CAULK.

RUN ALL CONDUIT ABOVE OFFICE CEILING.



#### 2 ELEVATIONS - WASHER/DRYER

SCALE  
1/4"=1'-0"

#### 1 ELEVATIONS - OFFICE

SCALE  
1/4"=1'-0"

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LL & ULTA REVIEW	02/27/2024
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BID ADDENDUM - REVISION 2	04/18/2024
PERMIT RESUBMITTAL - REVISION 3	05/02/2024



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2ND RMT ISSUE	02/28/2024
3RD ADDENDUM - VISION 1	02/29/2024
4TH ADDENDUM - VISION 2	04/18/2024
5TH RMT RESUBMITTAL - VISION 3	05/02/2024

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INTERIOR ELEVATIONS  
AND ENLARGED  
TOILET ROOM PLAN

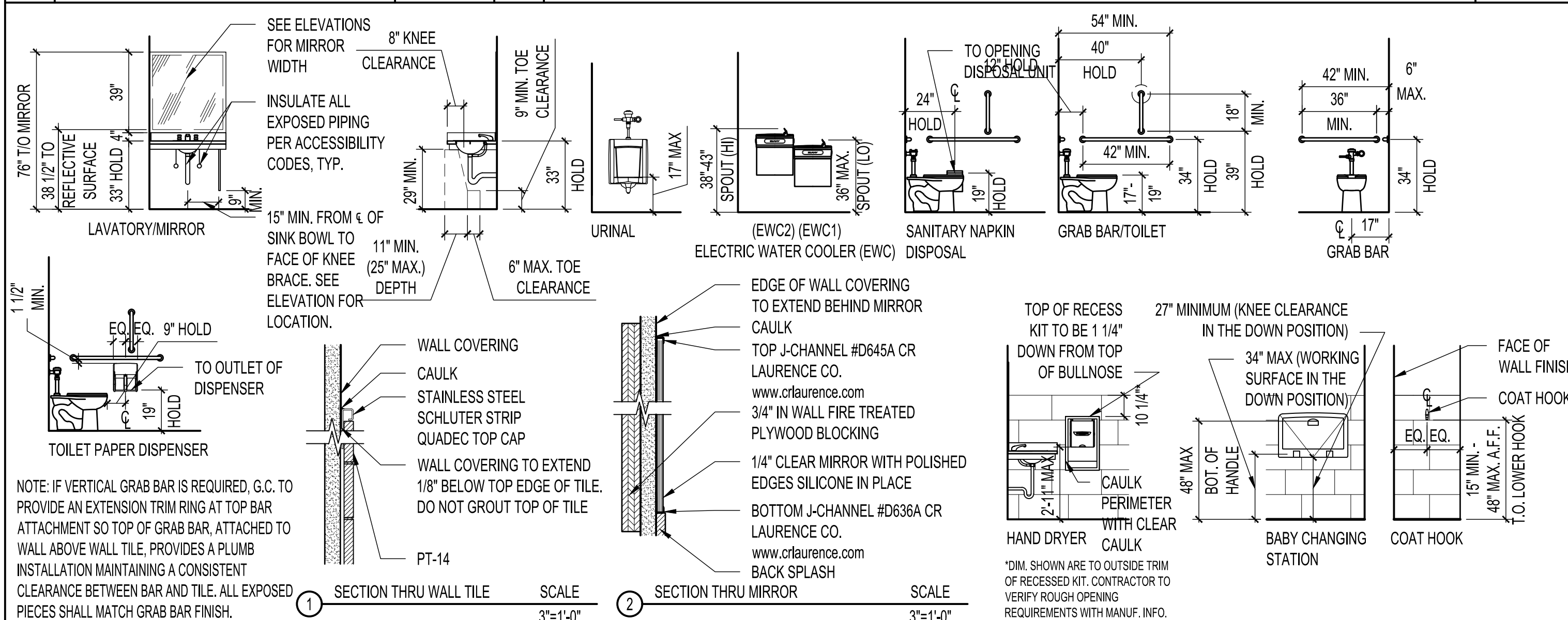
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23472
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### A6.3

GENERAL NOTES:		SYMBOL	DESCRIPTION	COMPANY	MODEL	MOUNT	FINISH	REMARKS/SUPPLY
1.	ALL JOINTS/SEAMS TO BE CAULKED WHERE TOP CAP TILE MEETS WALL COVERING WITH CLEAR CAULK. REFER TO SECTION THROUGH WALL / TILE ON DETAIL B.	[1]	COAT HOOK	HAGER	949P		SAT'N-FINISH STAINLESS STEEL	UNLESS NOTED OTHERWISE, MOUNTED AT 48" A.F.F. / BY G.C. PROVIDE BLOCKING AS REQ'D.
2.	AT OUTSIDE TILED CORNERS, REFER TO DETAIL D.	[2]	ACCESSIBLE LAVATORY	HOUZER	CRT0-1620-1		SAT'N-FINISH STAINLESS STEEL	SEE TYPICAL MOUNTING HEIGHTS DETAILS / BY G.C.
3.	CAULK BACKSPASH TO WALL TILE WITH WHITE CAULK.	[3]	PAPER TOWEL DISPENSER	GEORGIA PACIFIC	PACIFIC BLUE ULTA-5669	SURFACE	BLACK	AT MOP SINK & COFFEE BAR LOCATION: FURNISHED BY ULTA & INSTALLED BY G.C. MTD. MAX 48" AT COFFEE BAR & 48" AT MOP SINK TO OPERABLE PARTS/ LOCAL CODES
4.	CAULK ALL PLUMBING FIXTURES WHERE IT MEETS WALL/FLOOR TILE AND COUNTERTOP WITH WHITE CAULK.	[4]	GRAB BAR	BOBRICK	B-5606	CONCEALED MOUNT	SAT'N-FINISH STAINLESS STEEL	SEE TYPICAL MOUNTING HEIGHTS DETAILS / BY G.C. PROVIDE BLOCKING AS REQ'D.
5.	ALIGN GROUT LINES ON THE WALL AND FLOOR TILE.	[5]	TOILET PAPER DISPENSER	GEORGIA PACIFIC	COMPACT 56744	SURFACE	BLACK	SEE TYPICAL MOUNTING HEIGHTS DETAILS & FURNISHED BY ULTA AND INSTALLED BY G.C.
6.	PROVIDE GRAY ELECTRICAL DEVICES AND STAINLESS STEEL COVER PLATES AT LOCATIONS WHERE WC-9 OCCURS.	[6]	SANITARY NAPKIN DISPOSAL	BOBRICK	B-270, SURFACE	SURFACE	SAT'N-FINISH STAINLESS STEEL	SEE TYPICAL MOUNTING HEIGHTS DETAILS / BY G.C.
<b>- RESTROOM GENERAL NOTES</b>		[7]	WALL MIRROR			SURFACE		SEE TYPICAL MOUNTING HEIGHTS DETAILS / BY G.C.
		[8]	BABY CHANGING TABLE	GRAINGER	RUBBERMAID FG78188BLPLAT	SURFACE		MOUNTED AT 34" MAXIMUM A.F.F. TO CHANGING BENCH. FURNISHED BY ULTA, INSTALLED BY G.C.
		[9]	HAND DRYER	EXCEL DRYER INC. XLERATOR®	XL-WH WITH RECESS KIT	RECESSED / LOW PROFILE	COLOR: WHITE EPOXY	FURNISHED BY ULTA AND INSTALLED BY G.C. MOUNTED 35" MAXIMUM TO BOTTOM OF HAND DRYER / LOCAL CODES
<p>NOTE: FOR OUTSIDE/INSIDE CORNER OF TOP CAP, G.C. TO USE EV ENDCAP ACCESSORY</p>		NOTE: G.C. TO PROVIDE ALL RESTROOM ACCESSORIES UNLESS NOTED OTHERWISE.						

NOTE: G.C. TO PROVIDE ALL RESTROOM ACCESSORIES UNLESS NOTED OTHERWISE

D	MITERED CORNER DETAIL	SCALE NONE	C	TOILET ACCESSORIES	SCALE N/A
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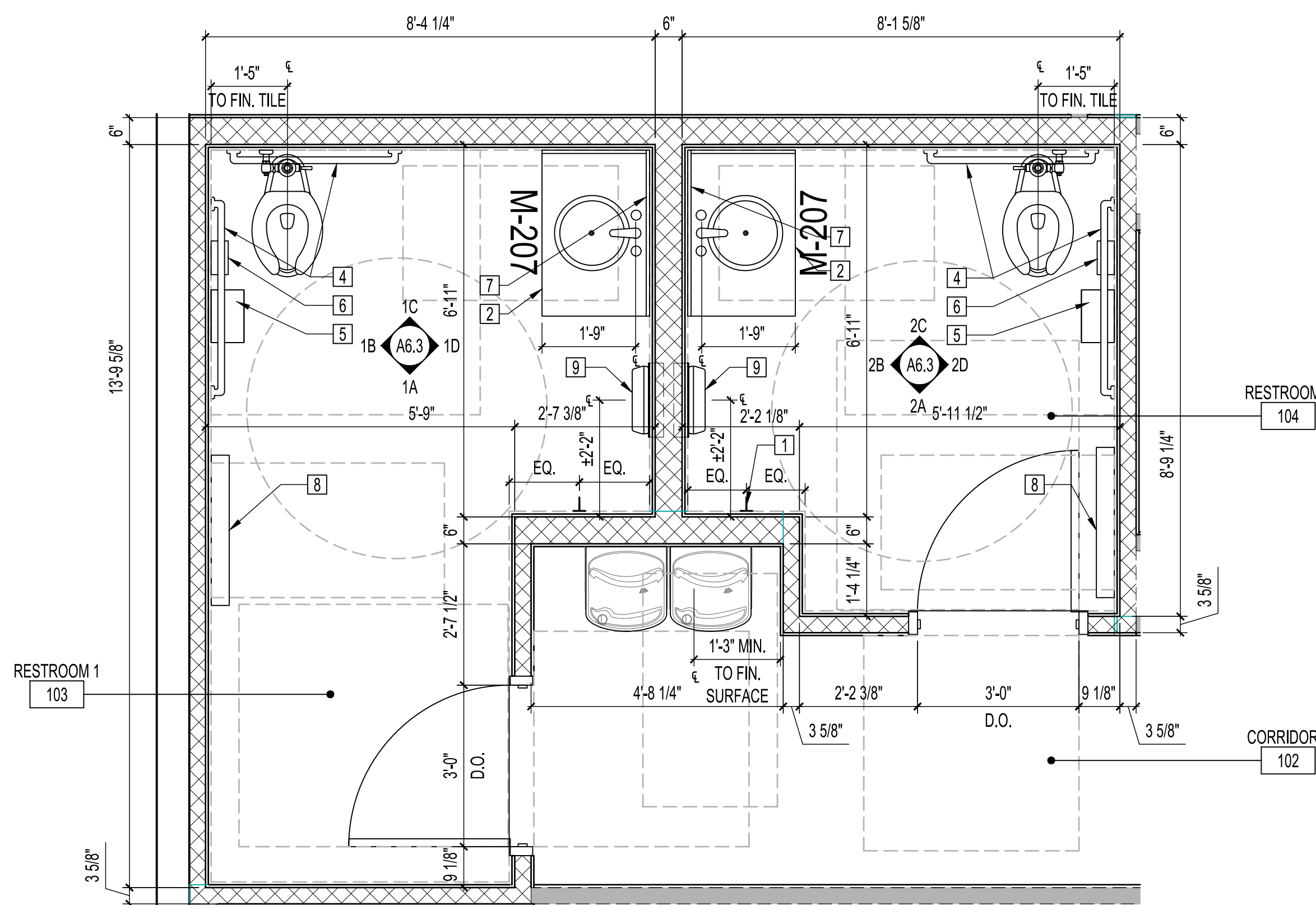


B	TYPICAL MOUNTING DETAILS	SCALE
		1/4"=1'-0"

NOTES:

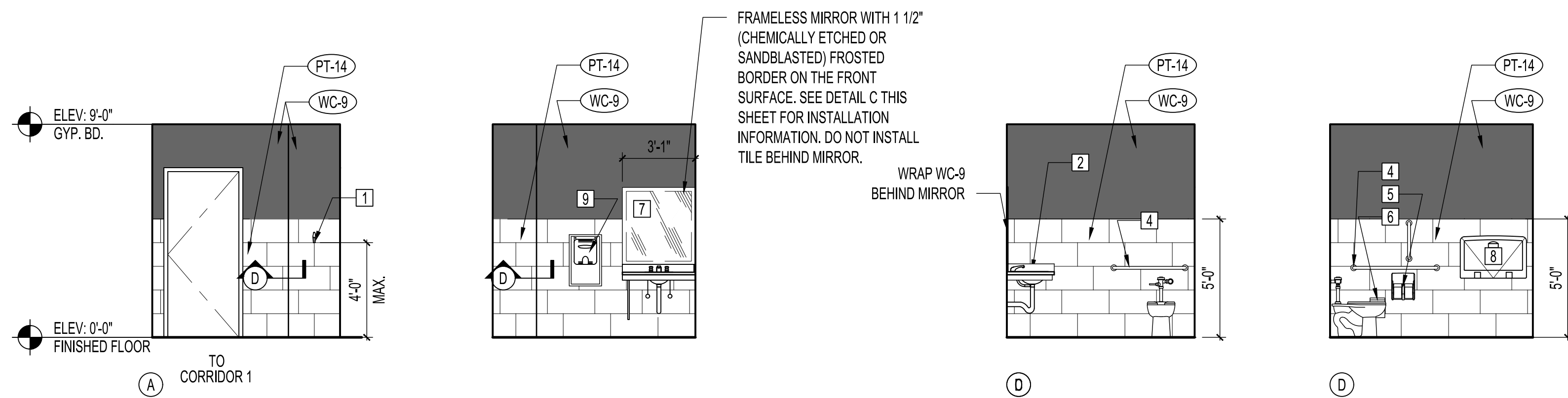
1. ALL JOINTS/SEAMS TO BE CAULKED WHERE TOP CAP MEETS WALL COVERING WITH CLEAR CAULK. REFER TO SECTION THROUGH WALL/TILE ON DETAIL B.
2. AT OUTSIDE TILED CORNERS, REFER TO DETAIL D.

# TOILET ACCESSORY TAG. SEE ACCESSORIES SCHEDULE ON THIS SHEET.

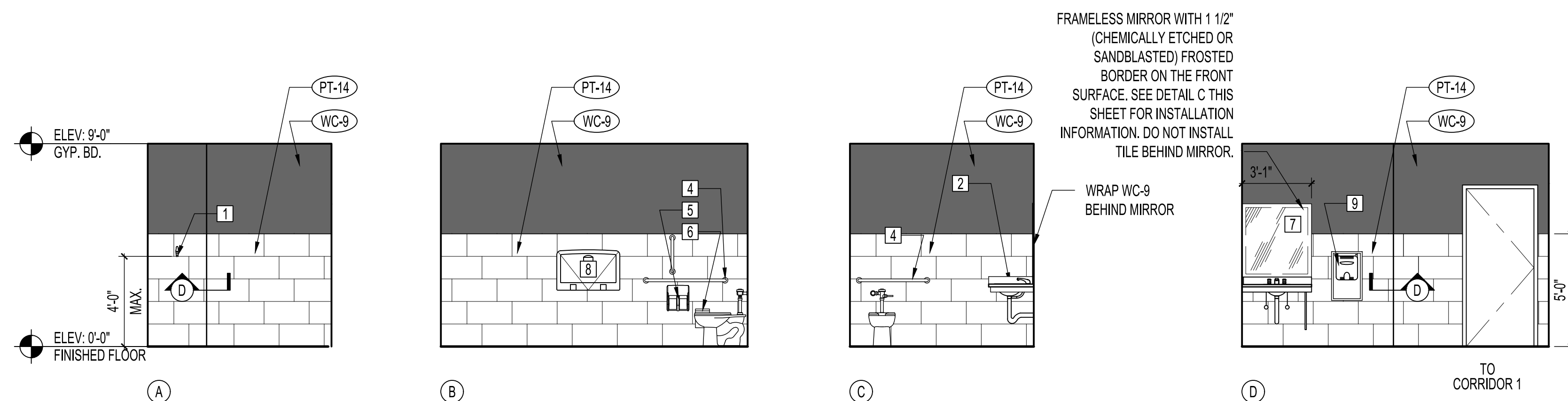


DIMENSIONS ARE TO FACE OF STUD OR FACE OF EXISTING WALL, U.N.O. SEE WALL TYPES ON A2.3 SHEET FOR FURTHER INFORMATION.

A	RESTROOM DIMENSION PLAN	SCALE
		1/2"=1'-0"



2	ELEVATIONS - RESTROOM 2	SCALE
		1/4"=1'-0"



1	ELEVATIONS - RESTROOM 1	SCALE 1/4"=1'-0"
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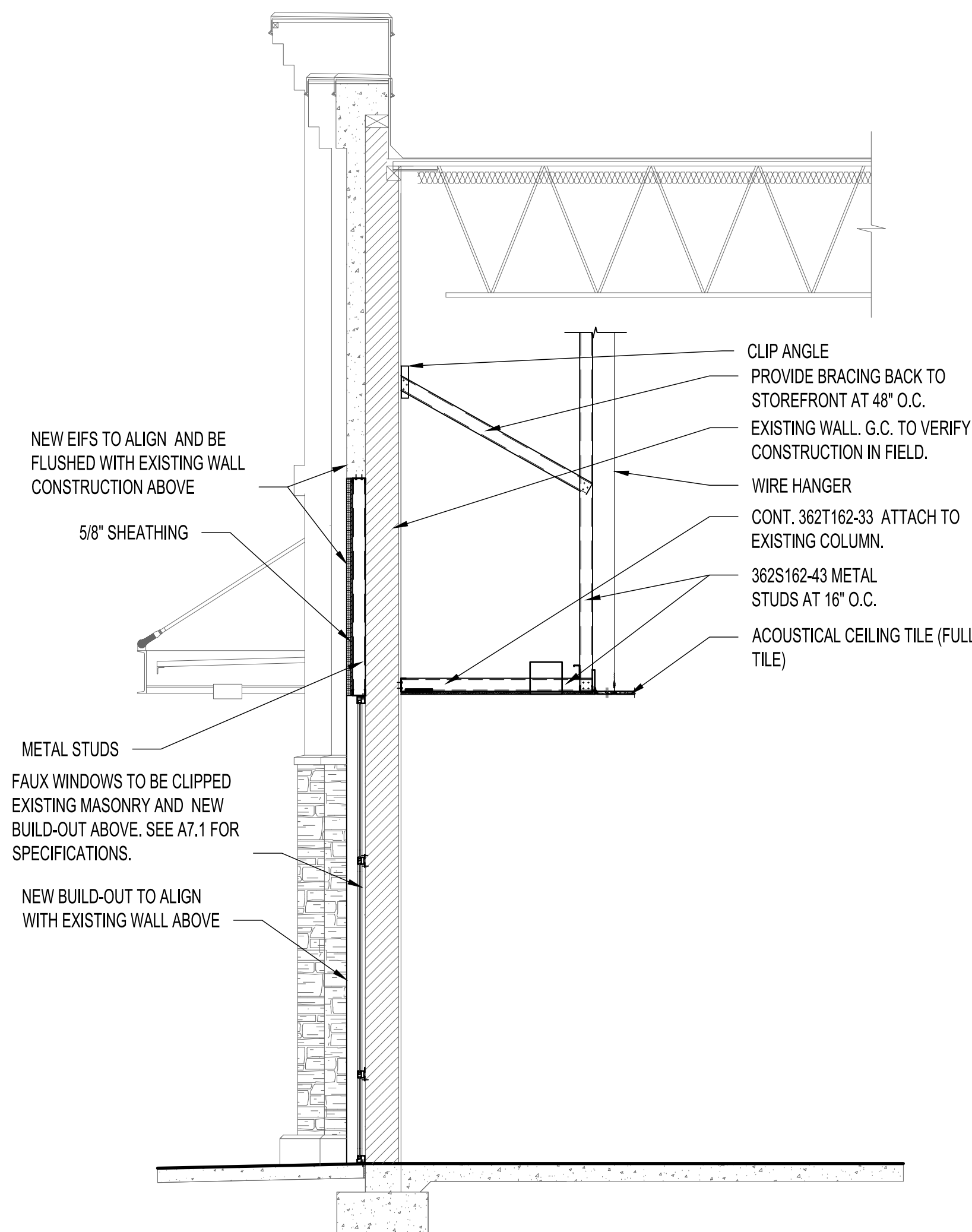












NOTE:  
SEE A3.1 FOR  
CEILING HEIGHTS.

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EXTERIOR  
ELEVATIONS

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SHEET NO.

A7.2

4	ENLARGED FAUX WINDOW DETAILS
---	------------------------------

SCALE  
1/4"=1'-0"

### 3 FAUX WINDOW SECTION DETAILS

SCALE  
1/4"=1'-0"

## 2 VESTIBULE FRAMING SECTION DETAILS

SCALE  
1/4"=1'-0"

1	NOT USED
---	----------

SCALE  
1/4"=1'-0"



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6. PERMIT RESUBMITTAL - EVISION 3	05/02/2024

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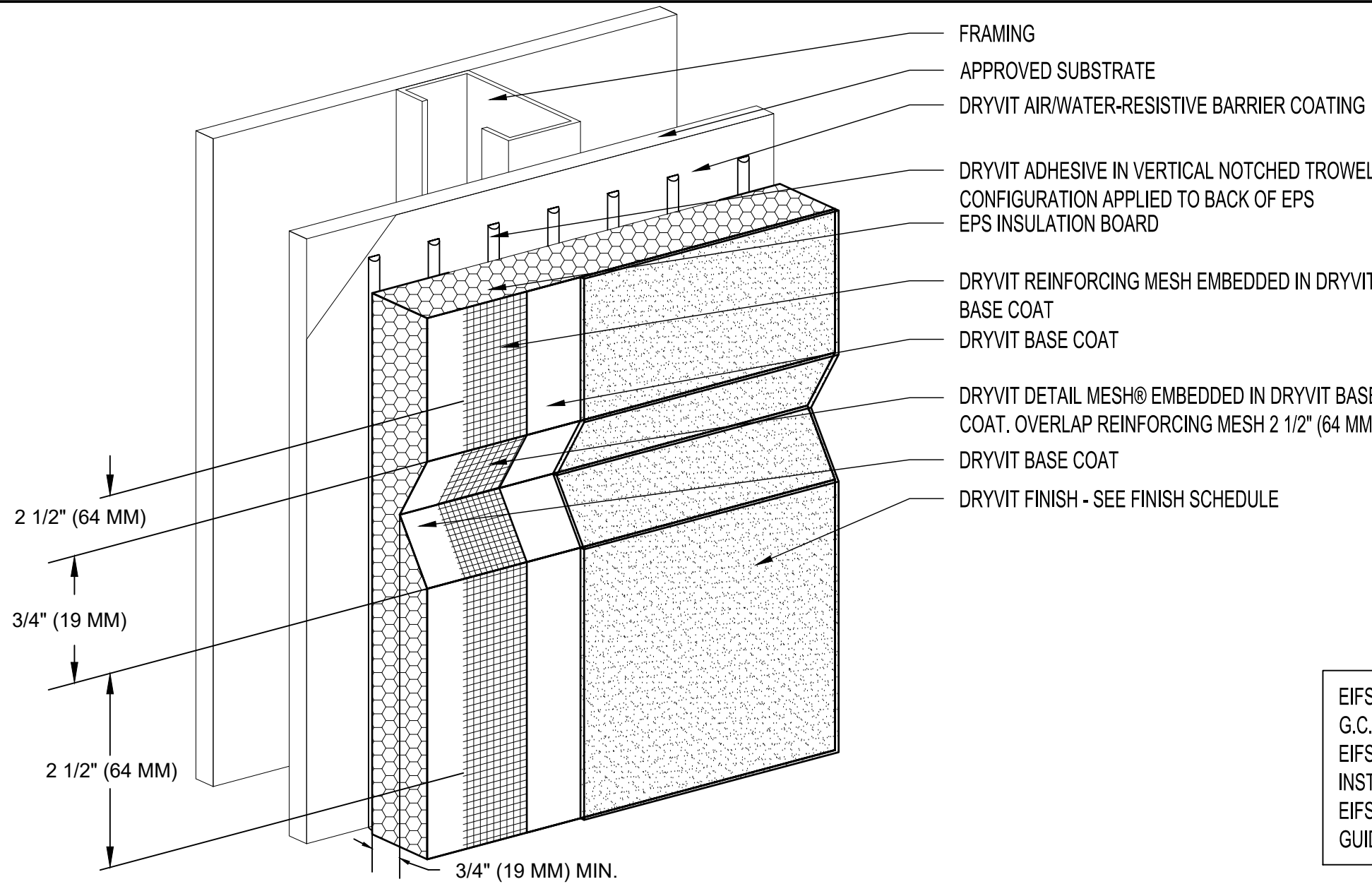
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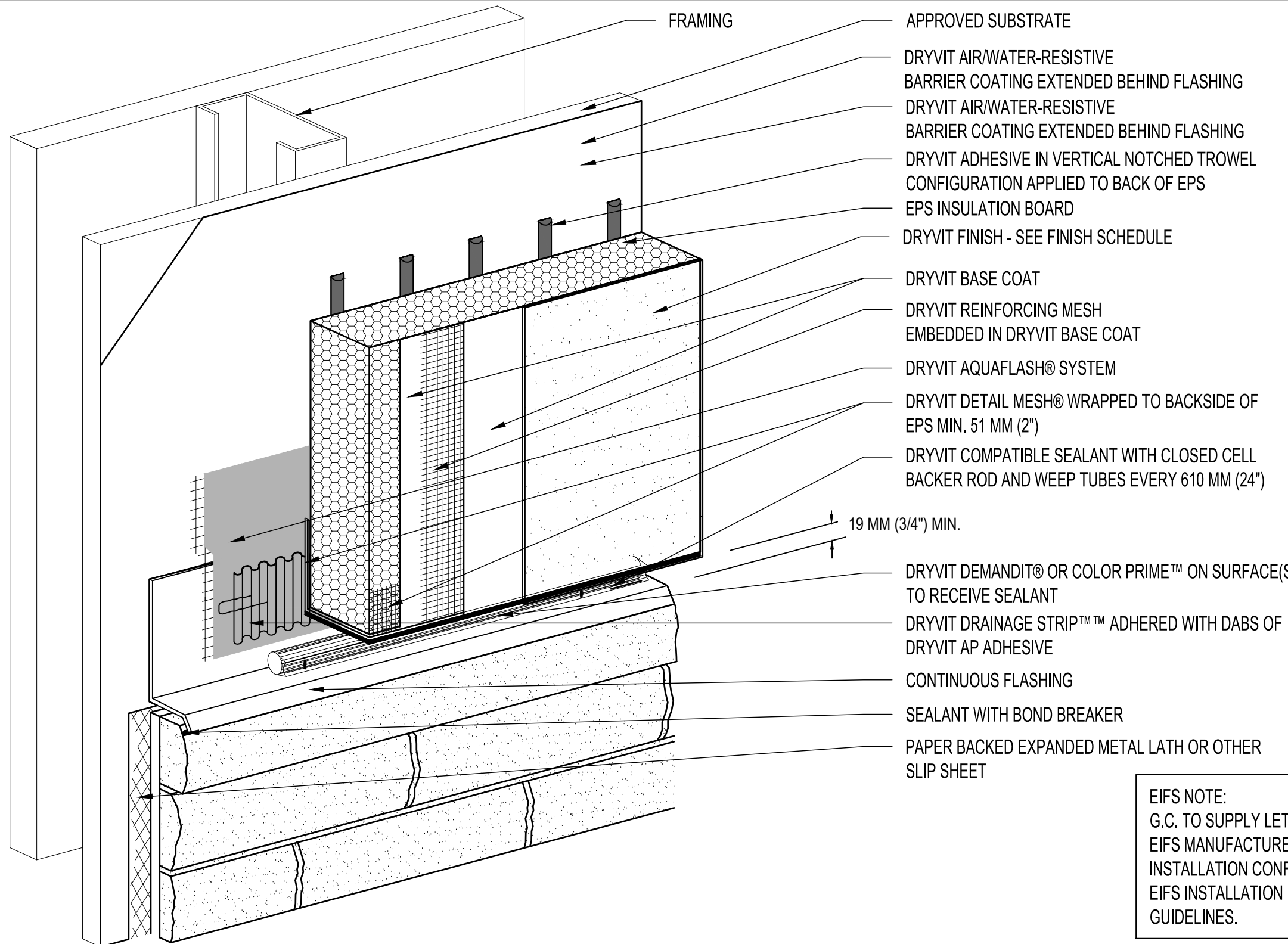
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EIFS NOTE:  
G.C. TO SUPPLY LETTER FROM  
EIFS MANUFACTURER THAT  
INSTALLATION CONFORMS TO  
EIFS INSTALLATION  
GUIDELINES.

### 3 | EIFS REVEAL DETAIL

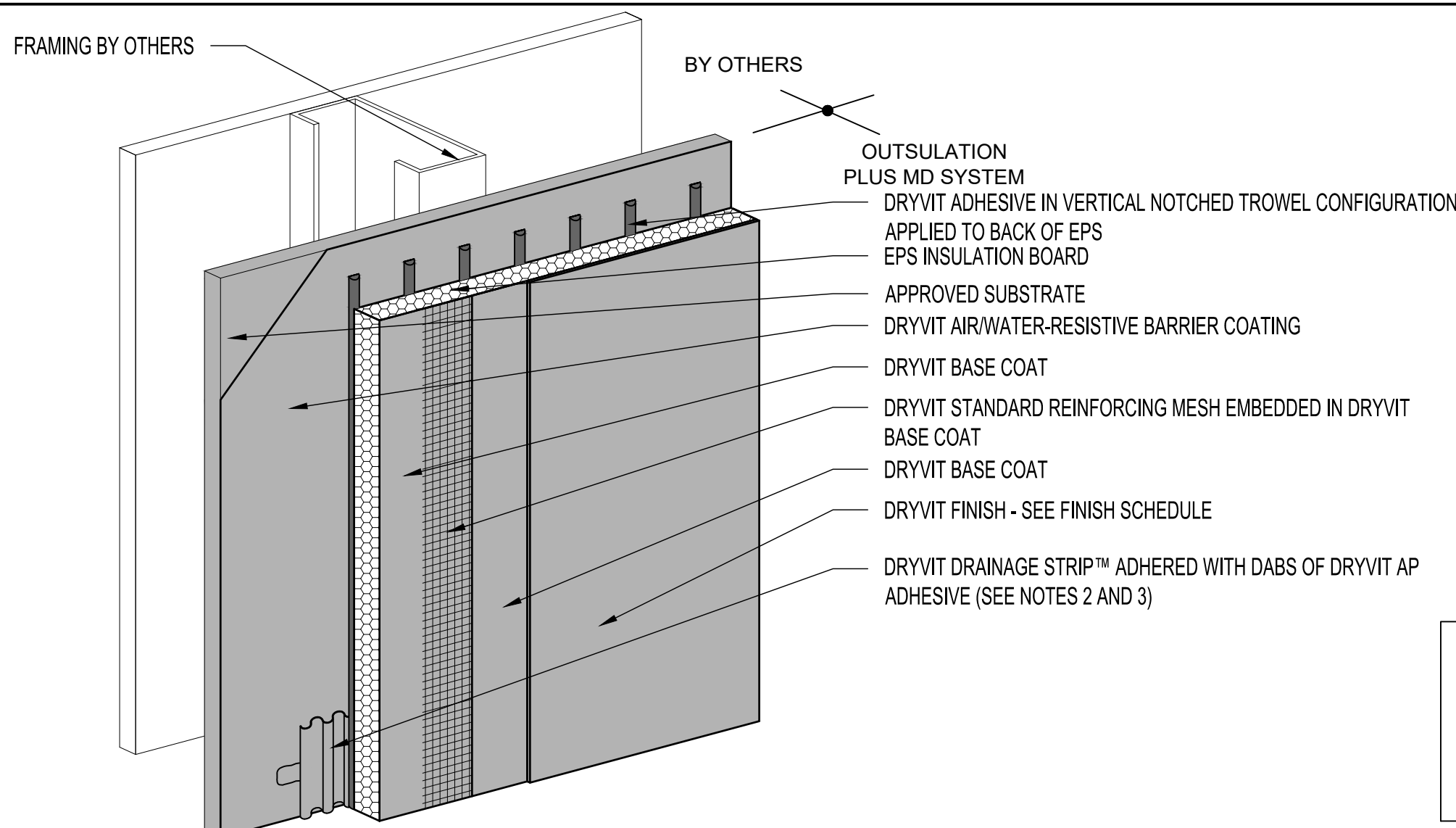
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EIFS NOTE:  
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INSTALLATION CONFORMS TO  
EIFS INSTALLATION  
GUIDELINES.

2	EIFS BOTTOM TERMINATION DETAIL
---	--------------------------------

SCALE  
N.T.S.



EIFS NOTE:  
G.C. TO SUPPLY LETTER FROM  
EIFS MANUFACTURER THAT  
INSTALLATION CONFORMS TO  
EIFS INSTALLATION  
GUIDELINES.

1	EIFS SYSTEM DETAIL
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SCALE  
N.T.S.



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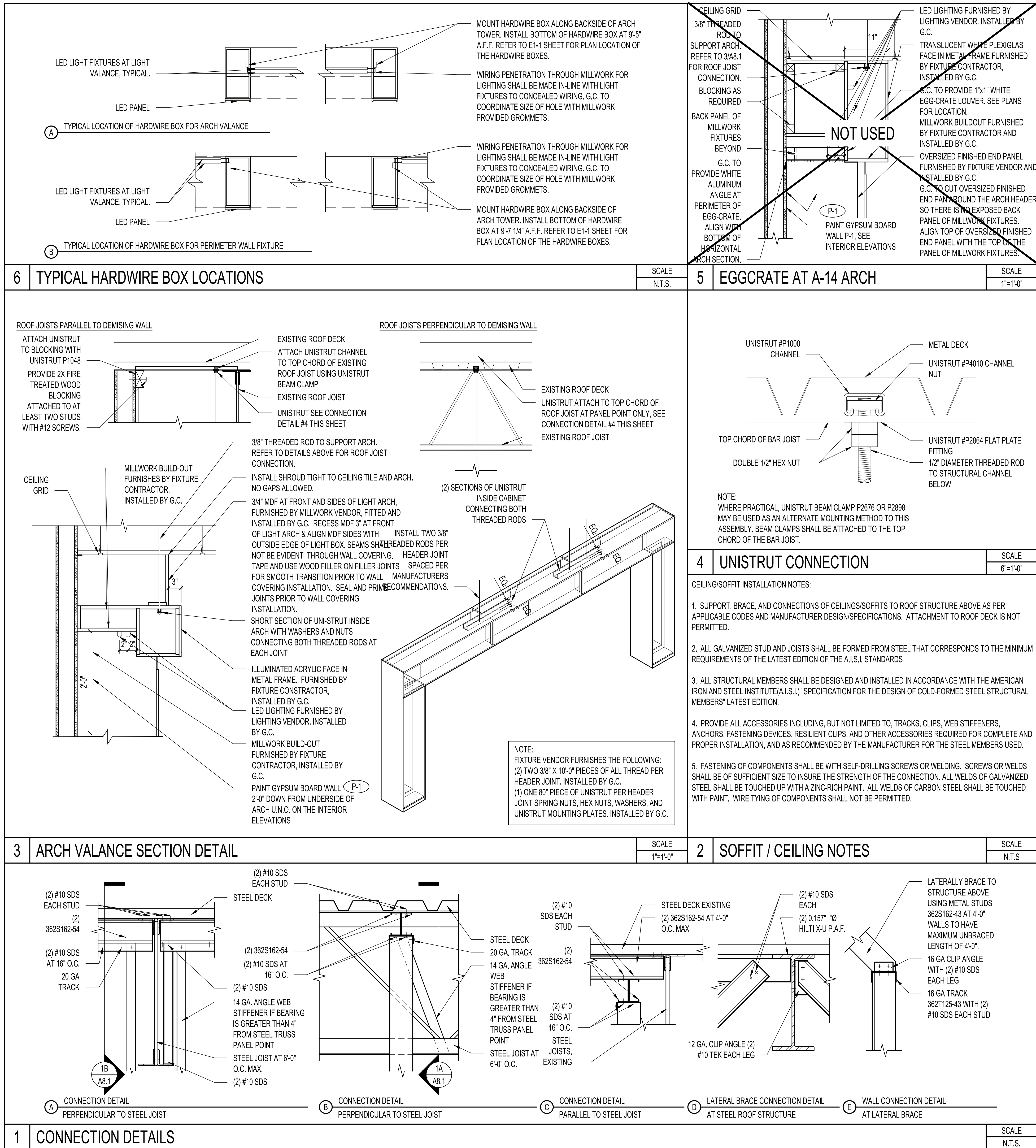
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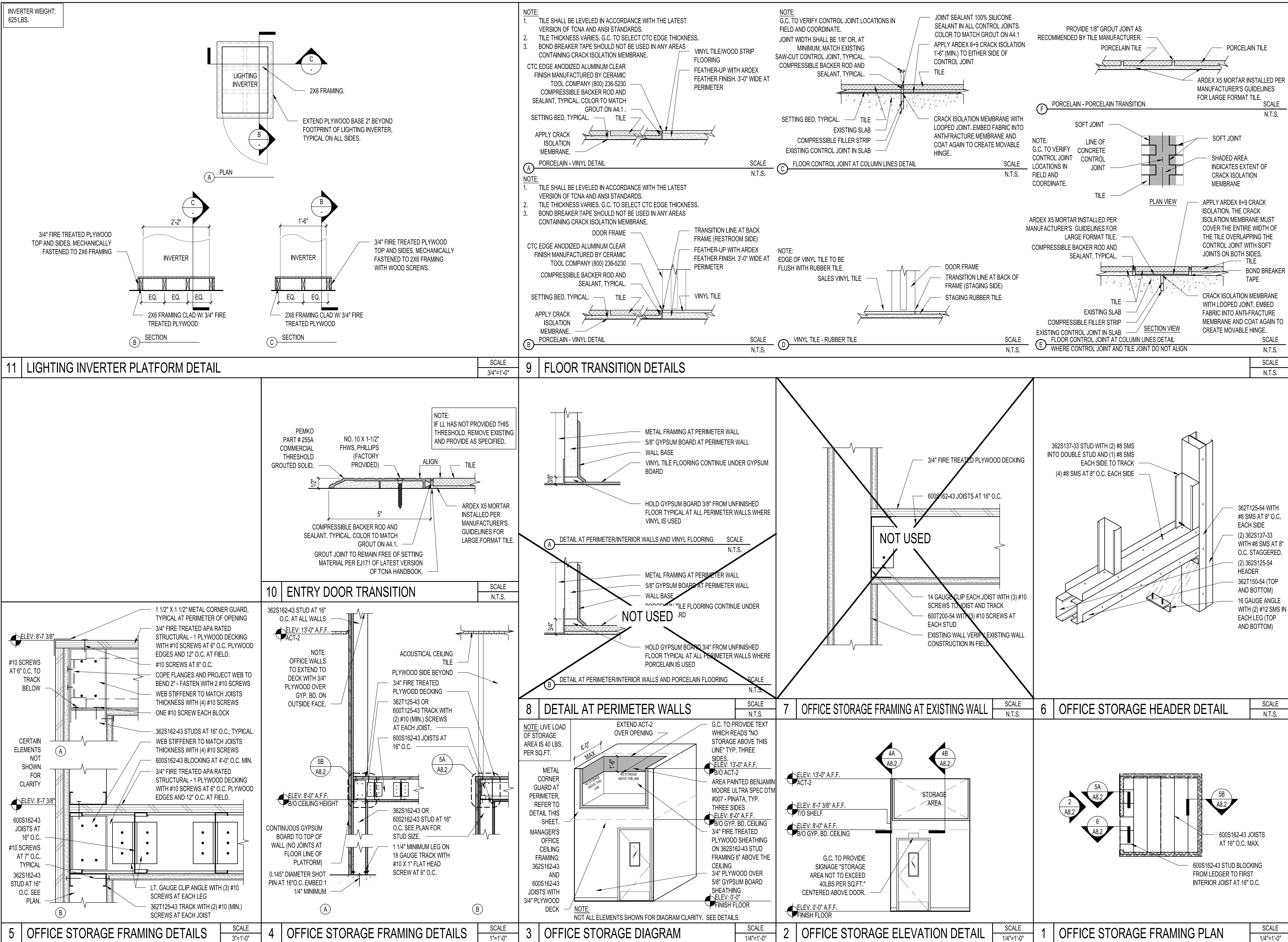


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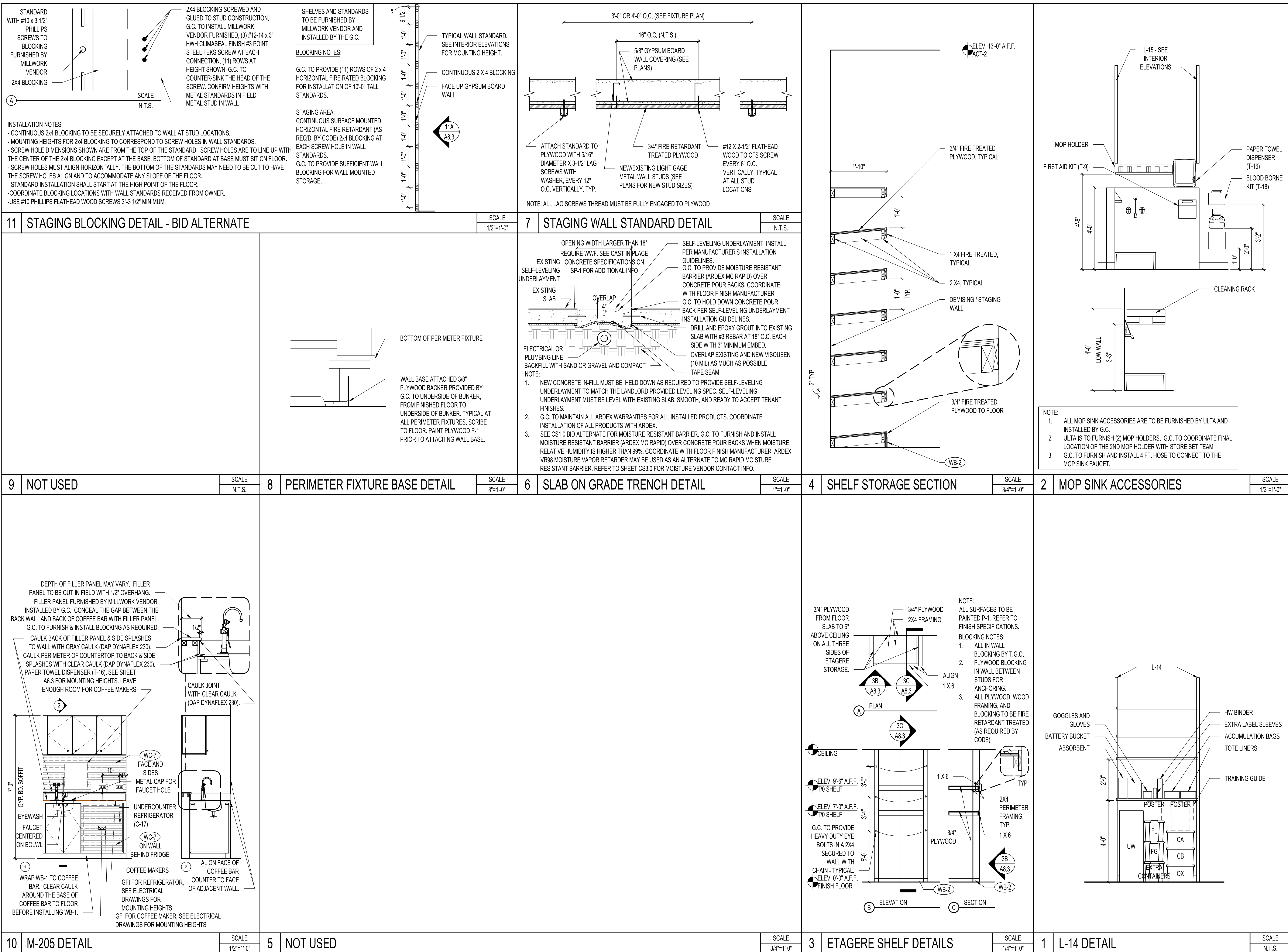


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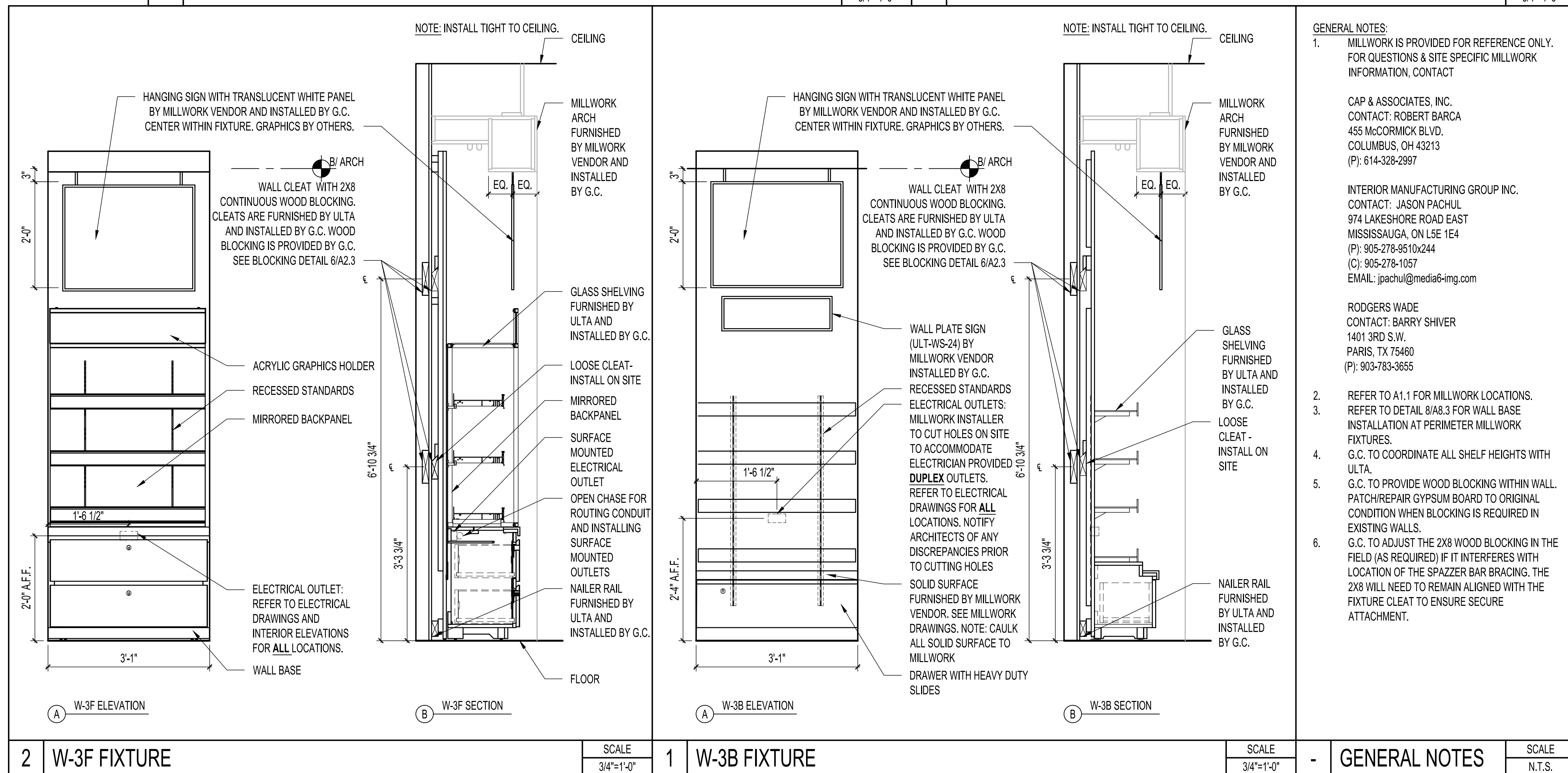
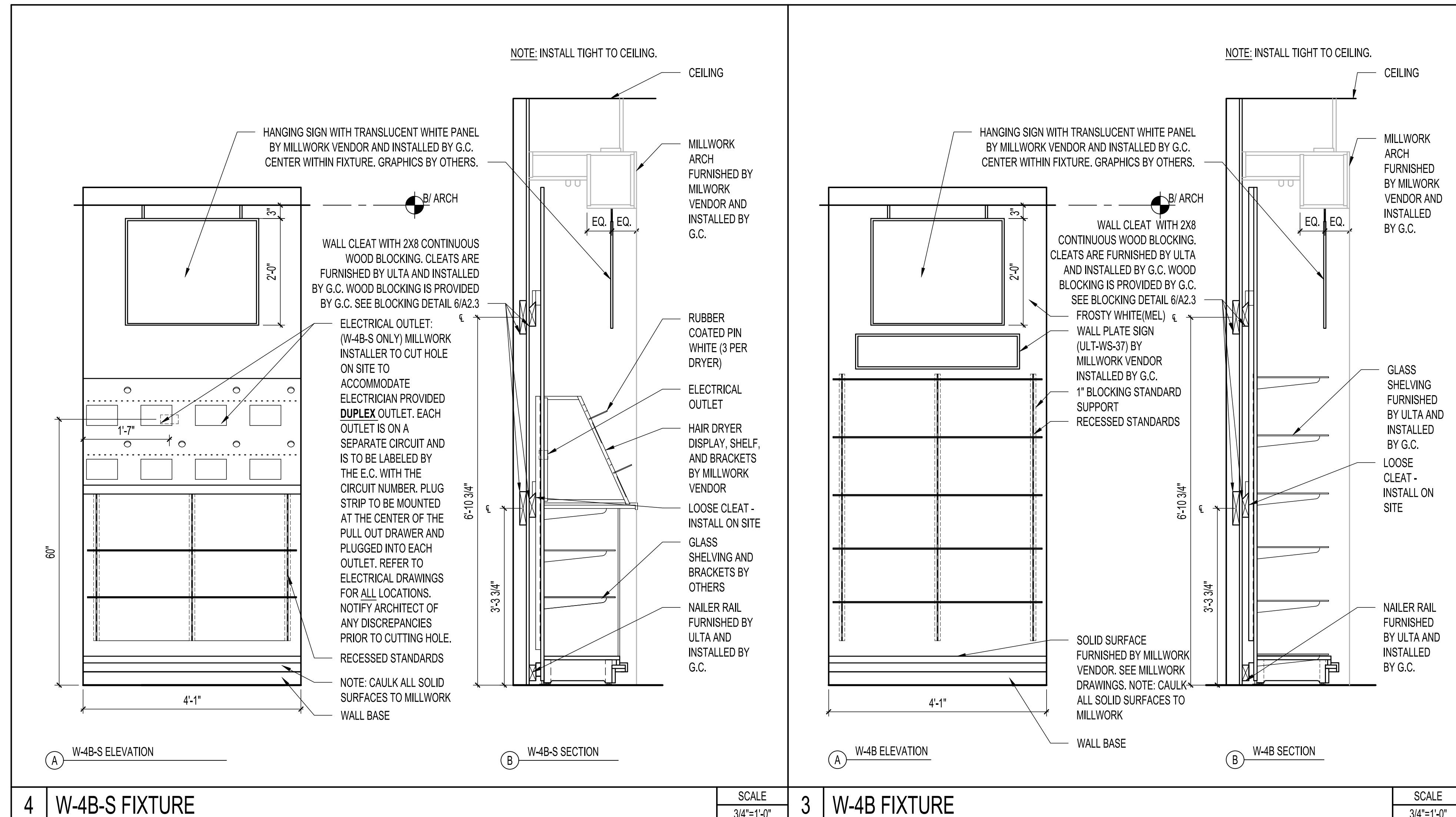
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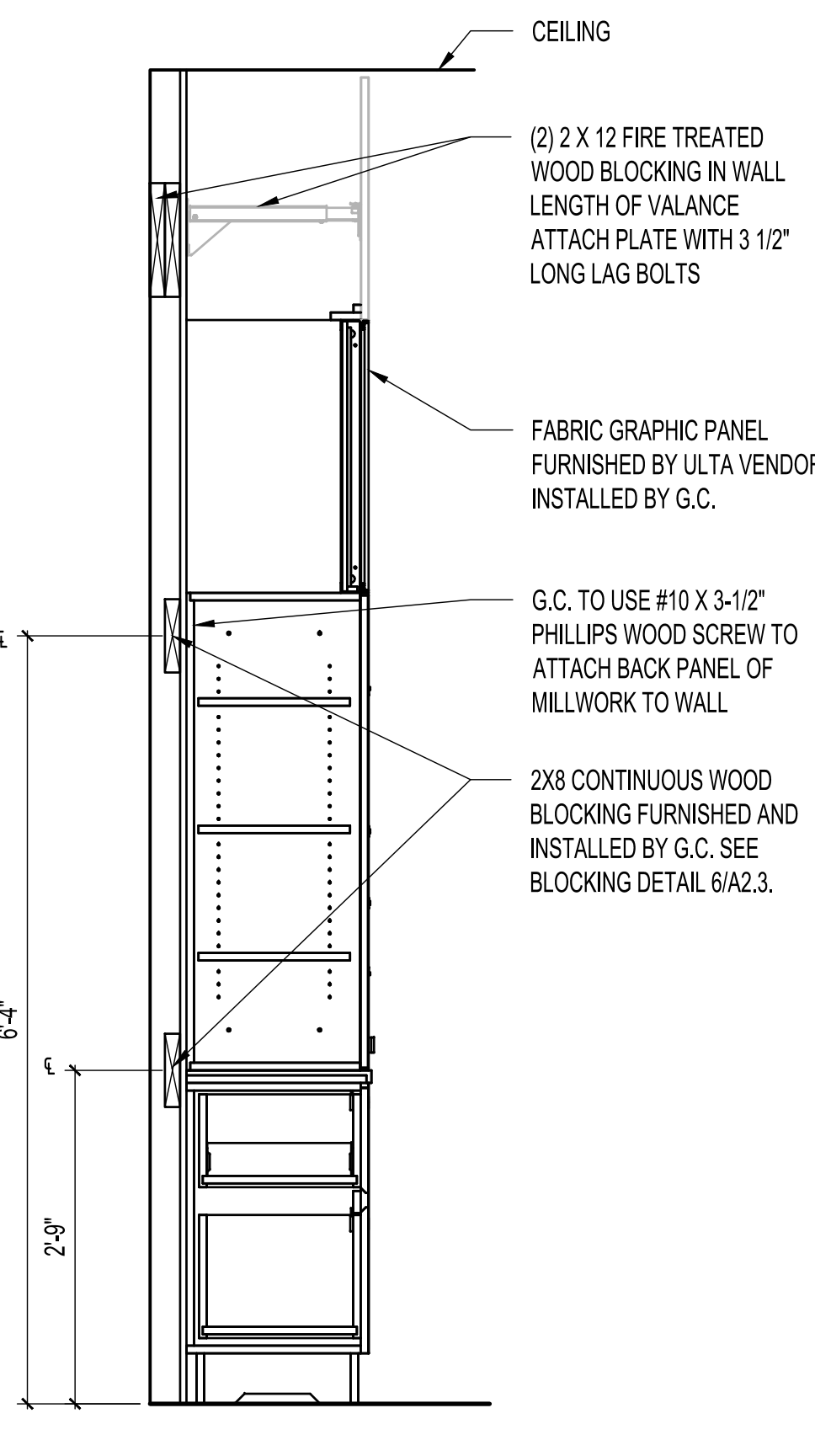
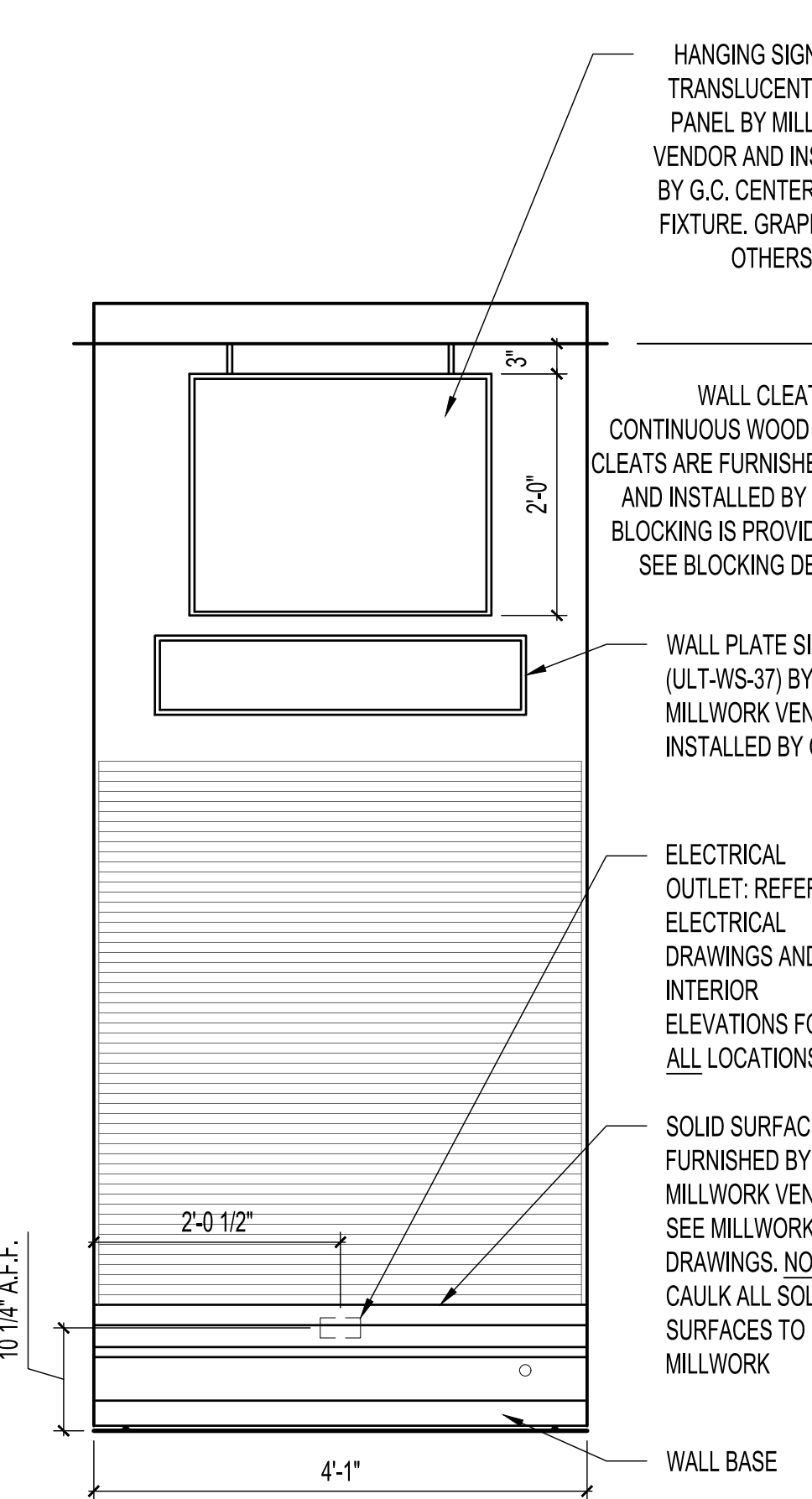
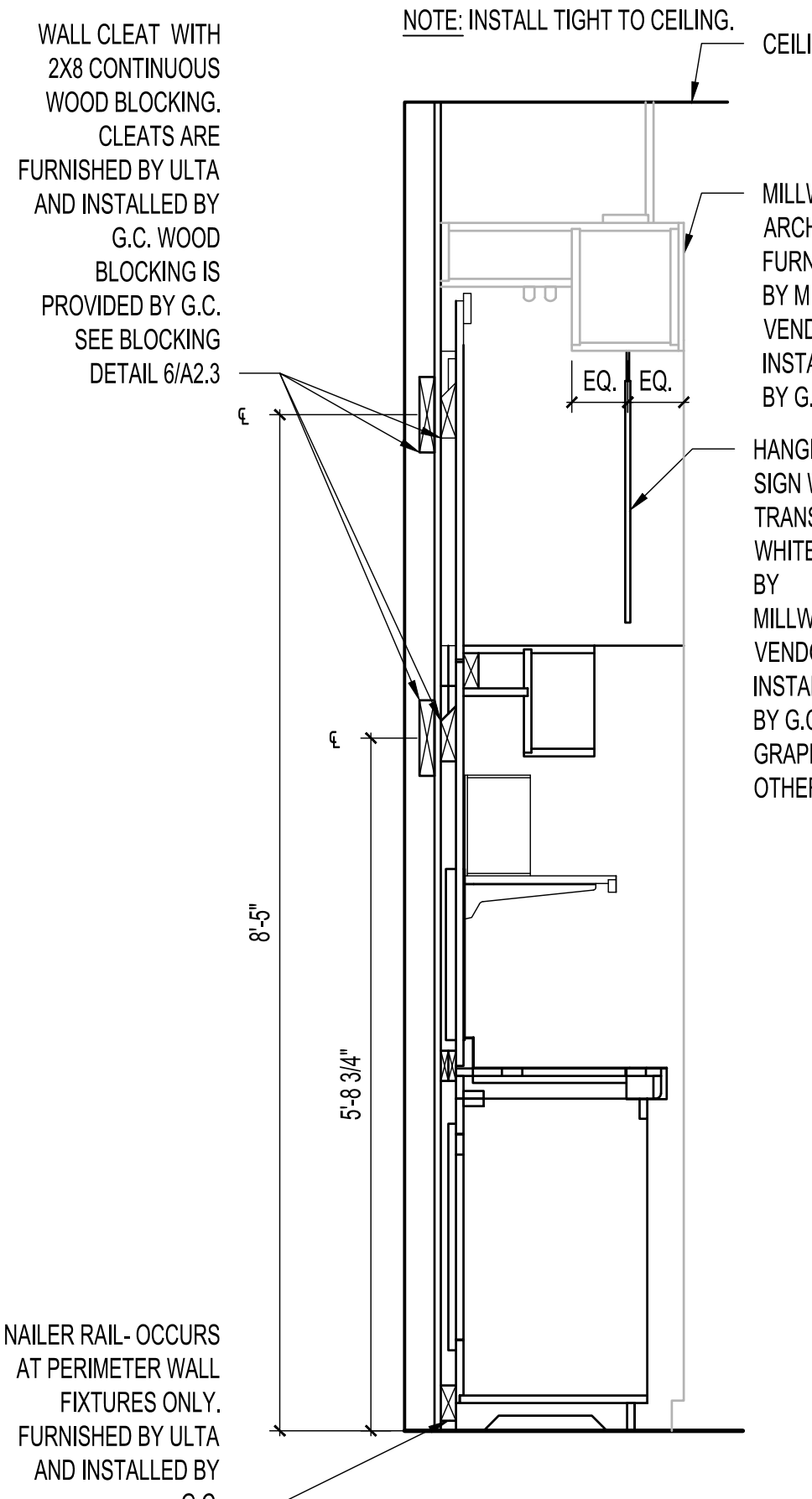
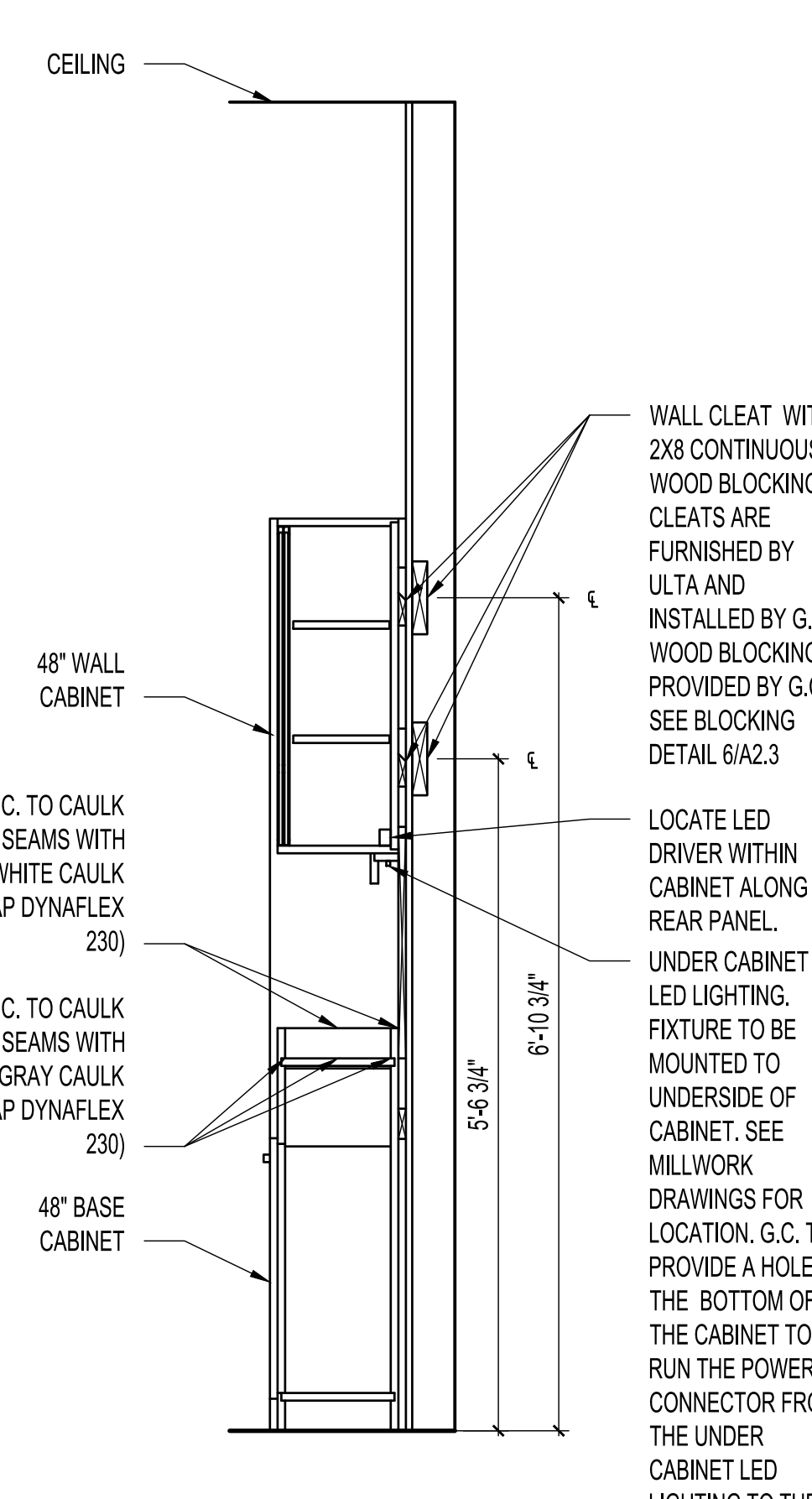
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F1.1B

 <p>CEILING</p> <p>(2) 2 X 12 FIRE TREATED WOOD BLOCKING IN WALL LENGTH OF VALANCE ATTACH PLATE WITH 3 1/2" LONG LAG BOLTS</p> <p>FABRIC GRAPHIC PANEL FURNISHED BY ULTA VENDOR, INSTALLED BY G.C.</p> <p>G.C. TO USE #10 X 3-1/2" PHILLIPS WOOD SCREW TO ATTACH BACK PANEL OF MILLWORK TO WALL</p> <p>2X8 CONTINUOUS WOOD BLOCKING FURNISHED AND INSTALLED BY G.C. SEE BLOCKING DETAIL 6/A2.3.</p> <p>6'-4"</p> <p>2'-0"</p> <p>10 1/4" A.F.F.</p> <p>4'-1"</p> <p>2'-0 1/2"</p> <p>4'-1"</p> <p>W-23-NV ELEVATION</p> <p>W-23-NV SECTION</p> <p>LED LIGHTS BY OTHERS</p> <p>WALL PANEL - FROSTY WHITE</p> <p>WALL CLEAT WITH 2X8 CONTINUOUS WOOD BLOCKING. CLEATS ARE FURNISHED BY ULTA AND INSTALLED BY G.C. WOOD BLOCKING IS PROVIDED BY G.C. SEE BLOCKING DETAIL 6/A2.3</p> <p>WALL PLATE SIGN BY MILLWORK VENDOR INSTALLED BY G.C.</p> <p>WALL PANEL - FROSTY WHITE</p> <p>RECESSED STANDARDS</p> <p>ELECTRICAL OUTLET- REFER TO ELECTRICAL DRAWINGS AND INTERIOR ELEVATIONS FOR ALL LOCATIONS.</p> <p>SOLID SURFACE FURNISHED BY MILLWORK VENDOR. SEE MILLWORK DRAWINGS. NOTE: CAULK ALL SOLID SURFACES TO MILLWORK</p> <p>WALL BASE</p> <p>10 1/4" A.F.F.</p> <p>2'-0 1/2"</p> <p>4'-1"</p> <p>FLOOR</p> <p>NAILER RAIL FURNISHED BY ULTA AND INSTALLED BY G.C.</p> <p>W-22-NV ELEVATION</p> <p>W-22-NV SECTION</p> <p>LED LIGHTS BY OTHERS</p> <p>WALL CLEAT WITH 2X8 CONTINUOUS WOOD BLOCKING. CLEATS ARE FURNISHED BY ULTA AND INSTALLED BY G.C. WOOD BLOCKING IS PROVIDED BY G.C. SEE BLOCKING DETAIL 6/A2.3</p> <p>WALL PLATE SIGN BY MILLWORK VENDOR INSTALLED BY G.C.</p> <p>1" BLOCKING STANDARD SUPPORT</p> <p>WALL PANEL - FROSTY WHITE</p> <p>RECESSED STANDARDS</p> <p>SOLID SURFACE FURNISHED BY MILLWORK VENDOR. SEE MILLWORK DRAWINGS. NOTE: CAULK ALL SOLID SURFACES TO MILLWORK</p> <p>WALL BASE</p> <p>4'-1"</p> <p>FLOOR</p> <p>NAILER RAIL FURNISHED BY ULTA AND INSTALLED BY G.C.</p>	<p>6 Z-10 FIXTURE</p> <p>SCALE 3/4"=1'-0"</p>	<p>5 W-23-NV FIXTURE</p> <p>SCALE 3/4"=1'-0"</p>	<p>4 W-22-NV FIXTURE</p> <p>SCALE 3/4"=1'-0"</p>			
 <p>HANGING SIGN WITH TRANSLUCENT WHITE PANEL BY MILLWORK VENDOR AND INSTALLED BY G.C. CENTER WITHIN FIXTURE. GRAPHICS BY OTHERS.</p> <p>WALL CLEAT WITH 2X8 CONTINUOUS WOOD BLOCKING. CLEATS ARE FURNISHED BY ULTA AND INSTALLED BY G.C. WOOD BLOCKING IS PROVIDED BY G.C. SEE BLOCKING DETAIL 6/A2.3</p> <p>WALL PLATE SIGN (ULT-WS-37) BY MILLWORK VENDOR INSTALLED BY G.C.</p> <p>ELECTRICAL OUTLET- REFER TO ELECTRICAL DRAWINGS AND INTERIOR ELEVATIONS FOR ALL LOCATIONS.</p> <p>SOLID SURFACE FURNISHED BY MILLWORK VENDOR. SEE MILLWORK DRAWINGS. NOTE: CAULK ALL SOLID SURFACES TO MILLWORK</p> <p>WALL BASE</p> <p>10 1/4" A.F.F.</p> <p>2'-0 1/2"</p> <p>4'-1"</p> <p>W-20 ELEVATION</p> <p>W-20 SECTION</p> <p>NOTE: INSTALL TIGHT TO CEILING.</p> <p>CEILING</p> <p>MILLWORK ARCH FURNISHED BY MILLWORK VENDOR AND INSTALLED BY G.C.</p> <p>EQ. EQ.</p> <p>6'-10 3/4"</p> <p>3'-3 3/4"</p> <p>NAILER RAIL FURNISHED BY ULTA AND INSTALLED BY G.C.</p>	 <p>WALL CLEAT WITH 2X8 CONTINUOUS WOOD BLOCKING. CLEATS ARE FURNISHED BY ULTA AND INSTALLED BY G.C. WOOD BLOCKING IS PROVIDED BY G.C. SEE BLOCKING DETAIL 6/A2.3</p> <p>MILLWORK ARCH FURNISHED BY MILLWORK VENDOR AND INSTALLED BY G.C.</p> <p>HANGING SIGN W/ TRANSLUCENT WHITE PANEL BY MILLWORK VENDOR AND INSTALLED BY G.C. GRAPHICS BY OTHERS.</p> <p>6'-5"</p> <p>5'-5 3/4"</p> <p>W-20 SECTION</p> <p>NOTE: INSTALL TIGHT TO CEILING.</p> <p>CEILING</p> <p>MILLWORK ARCH FURNISHED BY MILLWORK VENDOR AND INSTALLED BY G.C.</p> <p>EQ. EQ.</p> <p>6'-5"</p> <p>5'-5 3/4"</p> <p>NAILER RAIL- OCCURS AT PERIMETER WALL FIXTURES ONLY. FURNISHED BY ULTA AND INSTALLED BY G.C.</p>	 <p>48" WALL CABINET</p> <p>G.C. TO CAULK SEAMS WITH WHITE CAULK (DAP DYNAFLEX 230)</p> <p>G.C. TO CAULK SEAMS WITH GRAY CAULK (DAP DYNAFLEX 230)</p> <p>48" BASE CABINET</p> <p>WALL CLEAT WITH 2X8 CONTINUOUS WOOD BLOCKING. CLEATS ARE FURNISHED BY ULTA AND INSTALLED BY G.C. WOOD BLOCKING IS PROVIDED BY G.C. SEE BLOCKING DETAIL 6/A2.3</p> <p>LOCATE LED DRIVER WITHIN CABINET ALONG REAR PANEL</p> <p>UNDER CABINET LED LIGHTING. FIXTURE TO BE MOUNTED TO UNDERSIDE OF CABINET. SEE MILLWORK DRAWINGS FOR LOCATION. G.C. TO PROVIDE A HOLE IN THE BOTTOM OF THE CABINET TO RUN THE POWER CONNECTOR FROM THE UNDER CABINET LED LIGHTING TO THE LED DRIVER.</p> <p>6'-10 3/4"</p> <p>5'-5 3/4"</p> <p>6'-0 3/4"</p> <p>C-43 SECTION</p>	<p>3 W-20 FIXTURE</p> <p>SCALE 3/4"=1'-0"</p>	<p>2 Z-2B / Z-2C FIXTURE</p> <p>SCALE 3/4"=1'-0"</p>	<p>1 C-43 FIXTURE</p> <p>SCALE 3/4"=1'-0"</p>	<p>GENERAL NOTES</p> <p>SCALE N.T.S.</p>

GENERAL NOTES:  
1. MILLWORK IS PROVIDED FOR REFERENCE ONLY. FOR QUESTIONS & SITE SPECIFIC MILLWORK INFORMATION, CONTACT

CAP & ASSOCIATES, INC.  
CONTACT: ROBERT BARCA  
455 MCCORMICK BLVD.  
COLUMBUS, OH 43213  
(P): 614-328-2997

CONTACT: JASON PACHUL  
974 LAKESHORE ROAD EAST  
MISSISSAUGA, ON L5E 1E4  
(P): 905-278-9510;244  
(C): 905-278-1057  
EMAIL: jpachul@media6-hmg.com

RODGERS WADE  
CONTACT: BARRY SHIVER  
1401 3RD S.W.  
PARIS, TX 75460  
(P): 903-783-3655

- REFER TO A1.1 FOR MILLWORK LOCATIONS.
- REFER TO DETAIL 8/A8.3 FOR WALL BASE INSTALLATION AT PERIMETER MILLWORK FIXTURES.
- G.C. TO COORDINATE ALL SHELF HEIGHTS WITH ULTA.
- G.C. TO PROVIDE WOOD BLOCKING WITHIN WALL. PATCH/REPAIR GYPSUM BOARD TO ORIGINAL CONDITION WHEN BLOCKING IS REQUIRED IN EXISTING WALLS.
- G.C. TO ADJUST THE 2X8 WOOD BLOCKING IN THE FIELD (AS REQUIRED) IF IT INTERFERES WITH LOCATION OF THE SPAZZER BAR BRACING. THE 2X8 WILL NEED TO REMAIN ALIGNED WITH THE FIXTURE CLEAT TO ENSURE SECURE ATTACHMENT.



REVISIONS:	DATE:
LL & ULTA REVIEW	02/27/2024
BID ISSUE	02/27/2024
PERMIT ISSUE	02/28/2024
BID ADDENDUM - REVISION 1	02/29/2024
BID ADDENDUM - REVISION 2	04/18/2024
PERMIT RESUBMITTAL - REVISION 3	05/02/2024

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SEAL: 05/02/2024

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ULTA #1865  
HILFIKER SHOPPING CENTER  
4450 SE COMMERCIAL STREET  
SUITE 130  
SALEM, OR 97302

## FIXTURE ELEVATIONS

DRAWN BY:

JS

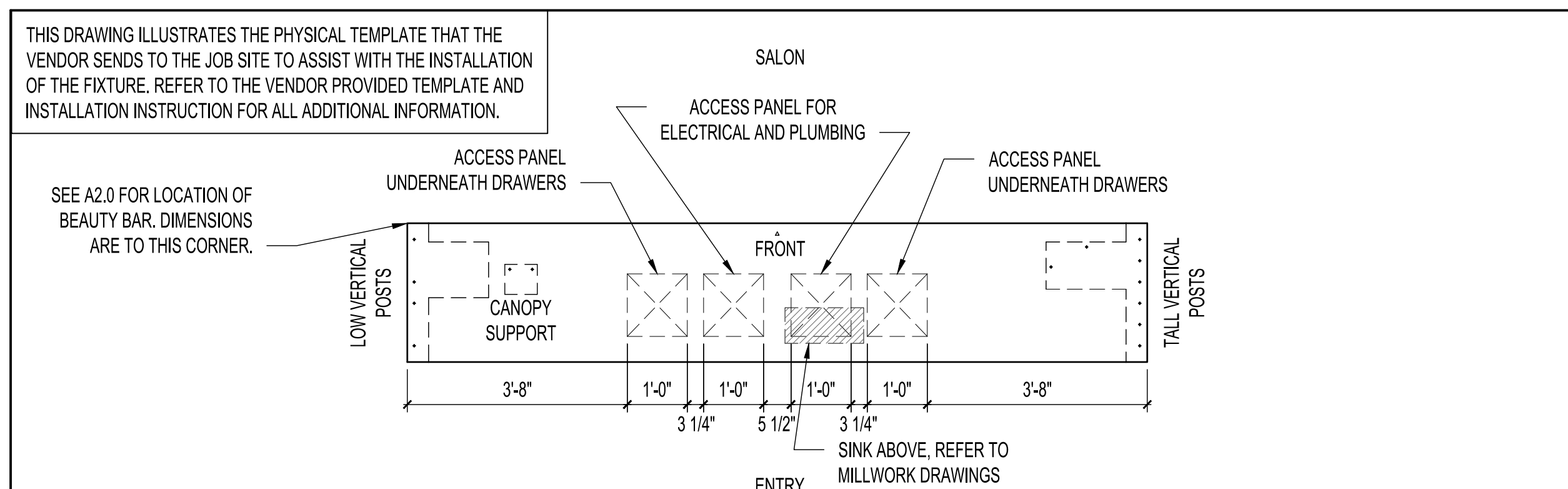
18

JOB NUMBER

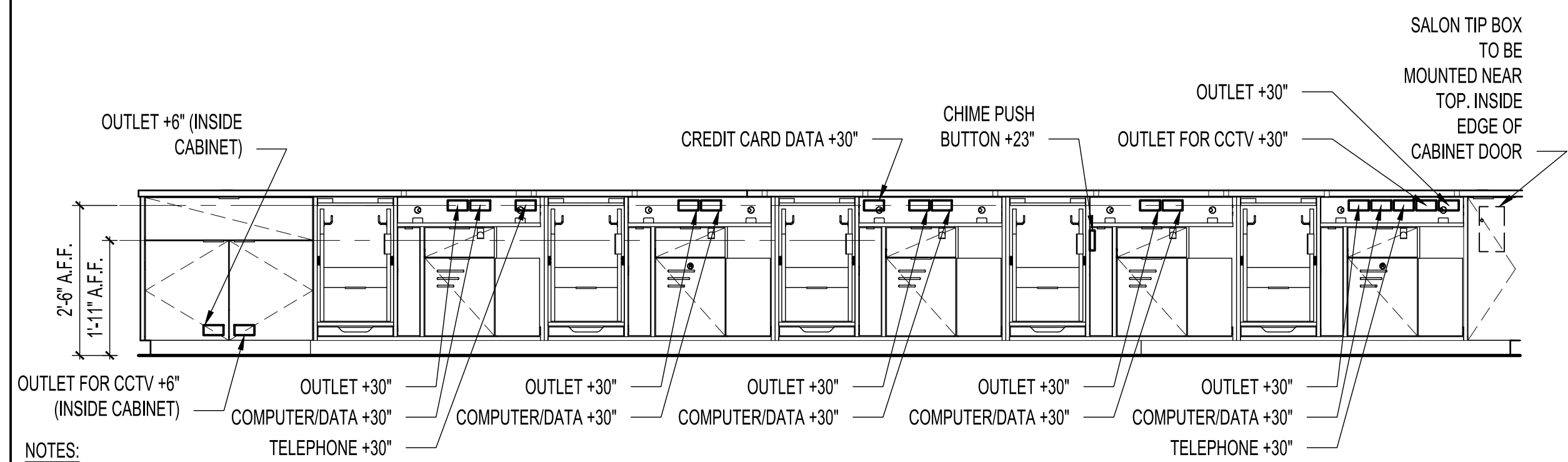
23472


SHEET NAME

F1.1C



2 | BEAUTY BAR TEMPLATE PROTOTYPE VERSION - UL9079 SCALE  
1/2"=1'-0"



- NOTES: TELEPHONE  TELE
1. FIXTURE FURNISHED BY MILLWORK MANUFACTURER. INSTALLED BY G.C. COORDINATE OUTLET LOCATIONS WITH MILLWORK MANUFACTURER.
  2. ALL CONDUIT/WIRING WITHIN FIXTURE FURNISHED AND INSTALLED BY G.C.
  3. REFER TO ELECTRICAL DRAWINGS.
  4. INSTALL OUTLETS ON INSIDE FACE OF BACK PANEL OF CASHWRAP UNLESS INDICATED OTHERWISE.
  5. G.C. TO MAKE SURE ALL PLUG STRIPS FOR THE REGISTERS ARE PLUGGED IN PROPERLY. COORDINATE WITH ULTA VENDOR AND CONSTRUCTION MANAGER

1	CASHWRAP AND BACKWRAP / POWER ROUGH-IN ELEVATION	SCALE
		1/2"=1'-0"



## SECTION 01010 - SUMMARY OF WORK

### 1. GENERAL

- The Project consists of Tenant build-out within an existing Landlord owned building.
- Project Location: As described on Cover Sheet.
- Tenant: As described on Cover Sheet.
- Contract documents, dated 02/27/2024, were prepared for this Project by RGLA.
- The Specifications following are generic, performance requirement type for general extent of work on systems performance, and set forth the intent of the Tenant, Ultra Salon, Cosmetics, Franchise for materials and services to be provided to develop a complete and ready to operate tenant space.
- The Work will be constructed under a single prime contract.
- All construction procedures used must meet or exceed all national, state, O.S.H.A., and local codes.
- Separate Contract: The Tenant, Ultra Salon, Cosmetics, Franchise has awarded a separate contracts for construction operations that will be conducted simultaneously with work under this Contract. That Contract includes the following:
  - Contract: Separate contracts are awarded for signage, display fixtures, security and alarms. Refer to section N and O for additional information.
  - Cooperate with separate contractors so that all work under those contracts may be carried out smoothly, without interfering with or delaying work under this Contract.
  - Not Assigned.
  - The Work will be completed in a single phase.
  - Contractor Use of Premises: During construction the Contractor shall have full use of premises, including use of the site. The Contractor's use of premises is limited only by the Tenant's right to perform work or employ other contractors on portions of the Project.
  - General Contractor shall contact Landlord to verify the times that he may work, routes of access and areas of use, storage, etc., including deliveries, and secure written approval of same prior to work start.
  - Deliveries are to be better acquainted themselves with conditions under which they will work at project site and locate all utilities before beginning work.
  - Use of the Site: Limit use of premises to areas indicated. Do not disturb portions of the site beyond the areas indicated.
  - Allow for Owner/Landlord and adjacent tenant occupancy and use by the public.
  - Keep driveways and entrances clear. Do not use these areas for parking or material storage. Schedule deliveries to minimize on-site storage of materials and equipment. Delivery schedule shall be approved by Landlord.
  - Use of the Existing Building: Maintain building weather tight. Repair damage caused by construction. Protect the building and its occupants during construction. Contractor shall provide barricades as necessary so as to prevent public access to unsafe conditions and ensure that work will be secured each evening, or when construction is not performed, to construction that not have access to dangerous conditions.
  - Partial Tenant Occupancy: The Tenant reserves the right to occupy and to place and install equipment in completed areas of the tenant lease area prior to Substantial Completion. Placing equipment and partial occupancy do not constitute acceptance of the Work.
  - General Contractor is to apply for and obtain a Certificate of Occupancy from building officials prior to Tenant occupancy.
  - Mechanical and electrical systems shall be operational and required inspections and tests completed prior to partial Tenant occupancy. Upon occupancy, the Tenant will operate and maintain systems serving occupied portions of the lease area.
  - The Tenant will be responsible for maintenance and custodial service for occupied portions of the lease area.
  - Products Ordered in Advance: The Tenant has negotiated purchase orders with suppliers of material and equipment to be incorporated into the Work. Purchase orders are assigned to the Contractor. Receiving, handling, storage, and installation costs are included in the Contract Sum.
  - Tenant Supplied Items: The Work includes providing support systems to receive Tenant's equipment, and mechanical and electrical connections.

- The Tenant will arrange for and deliver shop drawings, product data, and samples to the Contractor.
- The Contractor shall designate delivery dates to the Tenant/Landlord prior to work start.
- The Contractor will inspect items delivered for damage.
- If items are damaged, defective, or missing, the Tenant will arrange for replacement.
- The Tenant will arrange for field services and for the delivery of warranties to the Contractor.
- The Contractor shall designate delivery dates to the Contractor's Construction Schedule.
- The Contractor shall review shop drawings, product data, and samples and return them noting discrepancies or problems anticipated in using the product.
- The Contractor is responsible for receiving, unloading, and handling Tenant furnished items at the site.
- The Contractor is responsible for protecting items from damage, including exposure to the elements. The Contractor shall repair or replace items damaged as a result of his operations.

### 12 PRODUCTS (Not Applicable)

### 13 EXECUTION END OF SECTION 01010

## SECTION 01019 - CONTRACT CONSIDERATIONS

### 1. GENERAL

- Schedule of Values.
- Application for Payment.
- Change procedures.
- 12 RELATED SECTIONS
- A. Section 01300 - Submittals: Schedule of Values.
- B. Section 01050 - Material and Equipment: Product substitutions and alternates.
- 13 SCHEDULE OF VALUES
- A. Submit typed schedule on AIA Form G703 - Application and Certificate for Payment (Contractor Sheet). Contractor's standard form or electronic media print will be considered.
- B. Submit Schedule of Values in duplicate within 20 days after date of Owner-Contractor Agreement.
- C. Format: Identify each line item with number and title of the major specification Section.
- D. Include in each line item, the space for Contractor and Architect/Engineer review stamps.
- E. Identify separately from line item, a directly proportional amount of Contractor's overhead and profit.
- F. Revise schedule to list approved Change Orders, with each Application For Payment.
- 14 APPLICATIONS FOR PAYMENT
- A. Submit three copies of each application on AIA Form G702 - Application and Certificate for Payment.
- B. Content and Format: Utilize Schedule of Values for listing items in Application for Payment.
- C. Payment Period: 30 days. Waiver of Lien to date.
- 15 CHANGE PROCEDURES
- A. The Architect/Engineer will advise of minor changes in the Work not involving an adjustment to Contract Sum/Price or Contract Time authorized by AIA A201, 1987 Edition, Paragraph 7.4 by issuing supplemental instructions on AIA Form G710.
- B. The Architect/Engineer may issue a Notice of Change which includes a detailed description of a proposed change with supplementary or revised drawings and specifications, a change in Contract Time for executing the change with a stipulation of any overtime work required. Contractor will prepare and submit an estimate with seven days.
- C. The Contractor may propose a change by submitting request for change to the Architect/Engineer, describing the proposed change and to be full effect on the Work, including a complete breakdown indicating labor and materials costs, including a tabular description of the reason for the change, and the effect on the Contract Sum/Price and Contract Time with full documentation. Document any requested substitutions in accordance with Section 01050.
- D. Stipulated Sum/Price Change Order: Based on Notice of Change and Contractor's fixed price quotation or Contractor's request for a Change Order as approved by Architect/Engineer.
- E. Construction Change Directive: Architect/Engineer may issue a directive, on AIA Form G714 Construction Change Directive signed by the Owner, instructing the Contractor to proceed with a change in the Work, for subsequent inclusion in a Change Order. Document will describe changes in the Work, and designate method of determining any change in Contract Sum/Price and Contract Time. Promptly execute the change.
- F. Time and Material Change Order: Submit detailed account and supporting data after completion of change, within time limits indicated in the Conditions of the Contract. Architect/Engineer will determine the change allowable in Contract Sum/Price and Contract Time as provided in the Contract Documents.
- G. Maintain detailed records of work done in Time and Material basis. Provide full information required for evaluation of proposed changes, and to substantiate costs for changes in the Work.
- H. Change Order Forms: AIA G701 Change Order.
- I. Execution of Change Orders: Architect will issue Change Orders for signatures of parties as provided in the Conditions of the Contract.

### 16 ALTERNATES

- Alternates quoted on Bid Forms will be reviewed and accepted or rejected at the Owner's option.
- Accepted Alternates will be identified in Owner-Contractor Agreement.
- Coordinate related work and modify surrounding work as required.
- 2 PART 2 - PRODUCTS
- A. Not Used.
- 3 PART 3 - EXECUTION
- A. Insurance: Contractor shall, prior to commencement of work, Certificates of Insurance naming Owner, Architect, Construction Manager (if any), Landlord (if any) and their agents as Additional Insured, for the coverages below:
  - Public Liability including Contractor's Protective Liability, covering explosion and collapse, completed operations coverages (covering a period of at least two years after the date acceptance of the work by Owner), and broad form blanket contractual liability coverage, and shall insure against any and all claims for bodily injury, including death resulting therefrom and damage to the property of other and arising from operations under the Contract, whether such operations are performed by such Contractors, or by anyone directly or indirectly employed by any of them.
  - Workers' Compensation and Employer's Liability Insurance as required by any Employee Benefit Acts or other statutes applicable where the work is to be performed as will protect Owner's Contractors from liability under aforementioned.
  - Comprehensive Automobile Liability Insurance, including the ownership, maintenance, and operation of any automotive equipment owned, hired and non-owned.
  - Personal injury and Property Damage.
  - Umbrella Liability Coverage: Contractor agrees to hold all third parties harmless on all O.S.H.A. and Federal and State worker safety requirements, and shall fully comply with all such requirements as they apply to the methods and devices used in the execution of the work.

## SECTION 01039 - COORDINATION AND MEETINGS

### 1. PART 1 - GENERAL

- Coordination.
- Field engineering.
- Cutting and patching.
- 2 COORDINATION
- A. Coordinate scheduling, submittals, and Work of the various Sections of specifications to assure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- B. Verify that utility requirement characteristics of operating equipment are compatible with building utilities. Coordinate work of various Sections having interdependent responsibility for installing, connecting to, and placing in service, such equipment.
- C. Coordinate space requirements and installation of mechanical and electrical work which are indicated diagrammatically on Drawings. Follow routing shown for pipes, ducts, and conduit, as closely as practicable, place runs parallel with line of building. Utilize space efficiently to maximize accessibility for other installations, for maintenance, and for repairs.
- D. In finished areas, conceal pipes, ducts, and wiring within the construction. Coordinate locations of fixtures and outlets with finish elements.
- E. Coordinate completion and clean up of Work of separate Sections in preparation for Substantial Completion.
- F. After Owner occupancy of premises, coordinate access to site for correction of defective Work and work not in accordance with Contract Documents, to minimize disruption of Owner's activities.
- 3 FIELD ENGINEERING
- A. Employ a Land Surveyor registered in the State of the project location and acceptable to the Owner and Architect/Engineer.
- B. Owner will locate and protect survey control and reference points.
- C. Control datum for survey is that established by Owner provide survey.
- D. Provide field engineering services. Establish elevations, lines, and levels, utilizing recognized engineering survey practices.
- E. Submit a copy of registered site drawing and certificate signed by the Land Surveyor that the elevations and locations of the Work are in conformance with the Contract Documents.
- 4 CUTTING AND PATCHING
- A. Employ skilled and experienced installer to perform cutting and patching.
- B. Submit written request in advance of cutting or altering elements which effects:

- Structural integrity of element.
- Integrity of weather-exposed or moisture-resistant elements.
- Efficiency, maintenance, or safety of element.
- Visual qualities of sight-exposed elements.
- Work of Owner or separate contractor.
- Execute cutting, fitting, and patching including excavation and fill, to complete Work, and to:
  - Fit the several parts together, to integrate with other Work.
  - Uncover Work to install or correct ill-fitted Work.
- Remove and replace defective and non-conforming Work.
- Remove samples of installed Work for testing.
- Provide openings in elements of work for penetrations of mechanical and electrical Work.
- Execute work by methods which will avoid damage to other Work, and provide proper surfaces to receive patching and finishing.
- Use rigid materials using masonry saw or core drill.
- Reseal Work with new products in accordance with requirements of Contract Documents.
- Fit Work tight to pipes, sleeves, ducts, conduit, and other penetrations through surfaces.
- Maintain integrity of wall, ceiling, or floor construction whenever possible.
- Refresh surfaces to match adjacent finishes. For continuous surfaces, refresh to nearest intersection; for an assembly, refresh entire unit.
- Identify any hazardous substance or condition exposed during the Work to the Architect/Engineer for decision or remedy. Verify and locate all, buried or hidden, utilities prior to any sawcutting or coring.

### 2.1 PART 2 - PRODUCTS

### 3. PART 3 - EXECUTION

### 1. GENERAL

## SECTION 01150 - ENVIRONMENTAL PROCEDURES

- General Environmental Concerns: Project requires maximum environmentally conscious work feasible within limits specified, available materials, equipment, and products.
- Special Environmental Definitions:
  - Environmental Pollution and Damage: Presence of chemical, physical, or biological elements or agents which could:
    - Adversely affect human health or welfare.
    - Unfavorably alter ecological balances important to human life, affect other species of importance to humanity.
    - Degrade the utility of the environment for aesthetic, cultural or historical purposes.
  - Class II Landfill: Landfill that accepts non-hazardous waste such as household, commercial, and industrial waste, including construction, remodeling, repair, and demolition operations.
  - Construction and Demolition Waste: Solid wastes such as building materials, packaging, rubbish, debris, and rubble resulting from construction, remodeling, repair, and demolition operations.
  - Chemical Waste: Petroleum products, bituminous materials, salts, acids, alkalis, herbicides, pesticides, organic chemical, and inorganic chemical wastes.
  - Special Environmental Submittals: Comply with general requirements specified in Section 01300 for submittals and with following special requirements:
    - Special Recycling Requirements:
      - Implement recycling program as required that includes separate collection of waste materials
      - Environmental Controls: Control water with federal and state regulations pertaining to water, air, solid waste, chemical waste, sanitary waste, sediment and noise pollution.
      - Protection of Natural Resources: Preserve the natural resources within 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.
      - Hazardous Materials: If hazardous materials are discovered Client Landlord are to immediately notified for remediation.

### 1.2 RELATED SECTIONS

- Section 01019 - Contract Considerations: Schedule of Values.
- Section 01400 - Quality Control: Manufacturer's field services and reports.
- Section 01700 - Contract Closeout: Contract warranty and manufacturer's certificates closeout submittals.
- 13 SUBMITTAL PROCEDURES
- A. Transmit each submittal with AIA Form G810.
- B. Sequentially number the transmittal forms. Re-submittals to have original number with an alphabetic suffix.
- C. Identify Project, Contractor, Subcontractor or supplier; pertinent Drawing sheet and detail number(s), and specification Section number, as appropriate.
- D. Apply Contractor's stamp, signed or initialed certifying that review, verification of Products required, field dimensions, adjacent construction Work, and coordination of information, is in accordance with the requirements of the Work and Contract Documents.
- E. Schedule submittals to expedite the Project, and deliver to Architect/Engineer at business address. Coordinate submittals of related materials and Product or system limitations which may be detrimental to successful performance of the completed Work.
- F. Provide copies of Alternates to Contractor and Architect/Engineer review stamps. Architect's review will commence upon receipt of contractor reviewed and stamped submittals. Submittals received without such General Contractor review will be returned not reviewed.
- G. Revise and resubmit submittals as required, identify all changes made since previous submittal.
- H. Distribute copies of reviewed submittals to concerned parties instruct parties to promptly report any inability to comply with provisions.

### 14 CONSTRUCTION PROGRESS SCHEDULES

### 1. GENERAL

- Submit initial progress schedule in duplicate within 20 days after date of Owner-Contractor Agreement for Architect/Engineer review.
- Revise and resubmit as required.
- Submit a horizontal bar chart with separate line for each major section of Work or operation, identifying first work day of each week.
- Show complete sequence of construction by activity, identifying Work of separate stages and other logically grouped activities. Indicate the early and late start, early and late finish, float dates, and duration.
- 5 SHOP DRAWINGS
- A. Submit in electronic format.
- B. After review, reproduce and distribute in accordance with Article on Procedures above and for Record Documents described in Section 01700 - Contract Closeout.
- 16 PRODUCT DATA
- A. Submit the number of copies which the Contractor requires, plus two copies which will be retained by the Architect/Engineer. Electronic format preferred.
- B. Mark to identify applicable products, models, options, and other data. Supplement manufacturer's standard data to provide information unique to this Project.
- C. After review, distribute in accordance with Article on Procedures above and provide copies for Record Documents described in Section 01700 - Contract Closeout.
- 17 SAMPLES
- A. Submit samples to illustrate functional and aesthetic characteristics of the Product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
- B. Submit samples of finishes from the full range of colors selected, textures, and patterns for Architect/Engineer's selection.
- C. Include identification on each sample, with full project information.
- D. Submit the number or samples specified in individual specification Sections; one of which will be retained by Architect/Engineer.

### 18 MANUFACTURER'S INSTRUCTIONS

- When specified in individual specification sections, submit manufacturers' printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, in quantities specified for Product Data.
- Identify conflicts between manufacturers' instructions and Contract Documents.
- 18 MANUFACTURER'S CERTIFICATES
- C. When specified in individual specification sections, submit manufacturers' certificate to Architect/Engineer for review, in quantities specified for Product Data.
- D. Indicate material or product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
- E. Certificates may be rejected if previous test results on material or Product, but must be acceptable to Architect/Engineer.
- 2 PART 2 - PRODUCTS
- A. Not Used.
- 3 PART 3 - EXECUTION
- A. Not Used.

## SECTION 01400 - QUALITY CONTROL

### 1. PART 1 - GENERAL

- Section Includes:
  - Quality assurance and control of installation.
  - References.
  - Manufacturer's field services and reports.
- 2 RELATED SECTIONS
- A. Section 01300 - Submittals: Submission of Manufacturers' Instructions and Certificates.
- B. Section 01600 - Material and Equipment: Requirements for material and product quality.
- 13 QUALITY ASSURANCE/CONTROL OF INSTALLATION
- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- D. Comply with specified standards as a minimum quality of the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or displacement.
- 14 REFERENCES
- A. Conform to reference standard by date of issue current on date of Contract Documents.
- B. Obtain copies of standards when required by Contract Documents.
- C. Should specified reference standards conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- D. The Contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or reference otherwise in any reference document.
- 15 MANUFACTURER'S FIELD SERVICES AND REPORTS
- A. When specified in individual specification Sections, require material or Product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust, and balance of equipment as applicable, and to initiate instructions when necessary.
- B. Individuals to report observations and at decisions or instructions given to operators or installers that are supplemental or contrary to manufacturers' written instructions.
- C. Submit report in duplicate within 30 days of observation to Architect/Engineer for review.

## SECTION 01450 - CONCRETE SLAB MOISTURE AND pH TESTING

### 1. PART 1 - GENERAL

- Section Includes:
  - Provide concrete slab moisture vapor emission in-situ relative humidity and surface pH (alkalinity) testing on all concrete slabs specified to be covered with floor coverings or resilient coatings.
  - 12 Related Sections
- 2 RELATED SECTIONS
- A. Section 01300 - Submittals: Submission of Manufacturers' Instructions and Certificates.
- B. Section 01600 - Material and Equipment: Requirements for material and product quality.
- 13 QUALITY ASSURANCE/CONTROL OF INSTALLATION
- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- D. Comply with specified standards as a minimum quality of the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or displacement.
- 14 REFERENCES
- A. Conform to reference standard by date of issue current on date of Contract Documents.
- B. Obtain copies of standards when required by Contract Documents.
- C. Should specified reference standards conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- D. The Contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or reference otherwise in any reference document.
- 15 MANUFACTURER'S FIELD SERVICES AND REPORTS
- A. When specified in individual specification Sections, require material or Product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust, and balance of equipment as applicable, and to initiate instructions when necessary.
- B. Individuals to report observations and at decisions or instructions given to operators or installers that are supplemental or contrary to manufacturers' written instructions.
- C. Submit report in duplicate within 30 days of observation to Architect/Engineer for review.

- Section 09200 - Specialty Flooring
- Section 09400 - Wood Flooring
- Section 09500 - Resilient Flooring
- Section 09600 - Static Control Flooring
- Section 09700 - Fluid Applied Flooring
- F. Section 09800 - Carpet
- 1.03 REFERENCES
- ASTM F-1869 - Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride
- ASTM F-2170-11 - Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using In-Situ Probe
- ASTM F-710-11 - Standard Practice for Preparing Concrete Floor and Other Monolithic Floors to Receive Resilient Flooring
- ICRI Guideline 0372 - Selecting and Specifying Concrete Surface Preparation for Sealers, Coatings, and Polymer Overlay
- 1.04 SUBMITTALS
- A. At completion of Testing, Owner's National Moisture Testing Vendor shall submit a Certified Moisture Report to Architect, General Contractor, and Tenant's Construction Project Manager. Report shall include the following:
  - Executive Summary
  - Moisture and pH Test Report
  - C. Test Site Floor Plan
  - D. Test Site Photographs
  - E. Test Result Mapping Diagram
  - F. Risk Assessment and Repair Option Chart
- B. Information furnished in Moisture Test Report shall not be used to modify requirements unless otherwise specified or directed by Tenant.

### 1.05 QUALITY ASSURANCE

- Digital "Reader" and calibrated relative humidity sensors
- Factory-calibrated "Smart Sensors" using Touch-n-Sense™ technology.
- Wide range pH paper, and distilled or de-ionized water.
- 1.06 SCHEDULING AND SEQUENCING
- A. Provide access for and cooperate with Tenant's National Account Vendor:
  - IFTI - Independent Floor Testing & Inspection, Inc. Contact: Jennifer Armstrong (800) 490-3627-1121. Email: ula.spec@ifti.com
  2. No substitutions or alternate testing company is permitted.
- B. Ensure that the building is enclosed and at service conditions or within ASTM range for at least 48 hours prior to testing.
- C. Maintain relative humidity of not less than 65% or more than 85% in spaces to be tested for 48 hours prior to commencement of and during testing.
- D. Notify Tenant's National Account Vendor no less than 10 working days prior to commencement of testing. Tenant's National Account Vendor will require no more than 4 working days for testing on Site and will issue Moisture Testing Report no more than 3 working days after completion of testing.
- E. Notify Tenant's National Account Vendor when the building is enclosed and temperature and humidity meet the requirements for testing.
- F. In the event that a return trip to Tenant's National Account Vendor is required as a result of contractor's failure to achieve the specified temperature and humidity criteria, then the contractor shall be responsible for paying all associated costs which shall be billed accordingly by Tenant's National Account Vendor to the contractor.
- G. Testing shall take place after allowing new concrete to dry for minimum of 28 days. Testing is to commence no less than 3 and no more than 6 weeks prior to the scheduled flooring installation.

### 2. PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

- Rapid RH® relative humidity and temperature sensor kit as manufactured by Wagner Meters (800) 634-9961, or equal.
- pH test paper as manufactured by Micro Essential Laboratory, or equal.
- Part 3 - Execution
1. Quantification of Relative Humidity at 40% of Concrete Thickness
- A. The test site shall be maintained at the same temperature and humidity conditions as those anticipated during normal occupancy. These temperature and humidity levels should be maintained for 48 hours prior to testing. If the building is not under HVAC control, a recording hygrometer or data logger shall be in place recording conditions during the test period. A transcript of this information must be included with the test report.
- B. The number of in-situ relative humidity test sites is determined by the square footage of the facility. The minimum number of tests to be placed is equal to 3 in the first 1,000 sq.ft. and 1 per each additional 1,000 square feet.
- C. Determine the thickness of the concrete slab, typically from construction documents.
- D. Utilizing a rock-hammer, drill test holes to a depth equal to 40% of the concrete thickness, i.e. 2" deep for a 5" thick slab, or 1 1/2" deep for a 4" thick slab. Hole diameter shall not exceed outside diameter of the probe by more than 0.04". Drilling operation must be dry.
- E. Vacuum and crush all concrete dust from test hole.
- F. Insert a relative humidity (sensor) to the full depth of test hole. Place cap over probe.
- G. Permit the test site to acclimate, or equilibrate for 1-2 hours prior to testing.
- H. Remove the cap, insert the cylindrical reading device, and press button on the device to obtain reading from the in-situ probe.

### I. Read and record temperature and relative humidity at the test site.

- Distribute copies of reviewed submittals to concerned parties instruct parties to promptly report any inability to comply with provisions.

### 14 CONSTRUCTION PROGRESS SCHEDULES

### 1. GENERAL

- Submit initial progress schedule in duplicate within 20 days after date of Owner-Contractor Agreement for Architect/Engineer review.
- Revise and resubmit as required.
- Submit a horizontal bar chart with separate line for each major section of Work or operation, identifying first work day of each week.
- Show complete sequence of construction by activity, identifying Work of separate stages and other logically grouped activities. Indicate the early and late start, early and late finish, float dates, and duration.
- 5 SHOP DRAWINGS
- A. Submit in electronic format.
- B. After review, reproduce and distribute in accordance with Article on Procedures above and for Record Documents described in Section 01700 - Contract Closeout.
- 16 PRODUCT DATA
- A. Submit the number of copies which the Contractor requires, plus two copies which will be retained by the Architect/Engineer. Electronic format preferred.
- B. Mark to identify applicable products, models, options, and other data. Supplement manufacturer's standard data to provide information unique to this Project.
- C. After review, distribute in accordance with Article on Procedures above and provide copies for Record Documents described in Section 01700 - Contract Closeout.
- 17 SAMPLES
- A. Submit samples to illustrate functional and aesthetic characteristics of the Product, with integral parts and attachment devices. Coordinate sample submittals for interfacing work.
- B. Submit samples of finishes from the full range of colors selected, textures, and patterns for Architect/Engineer's selection.
- C. Include identification on each sample, with full project information.
- D. Submit the number or samples specified in individual specification Sections; one of which will be retained by Architect/Engineer.

### 18 MANUFACTURER'S INSTRUCTIONS

- When specified in individual specification sections, submit manufacturers' printed instructions for delivery, storage, assembly, installation, start-up, adjusting, and finishing, in quantities specified for Product Data.
- Identify conflicts between manufacturers' instructions and Contract Documents.
- 18 MANUFACTURER'S CERTIFICATES
- C. When specified in individual specification sections, submit manufacturers' certificate to Architect/Engineer for review, in quantities specified for Product Data.
- D. Indicate material or product conforms to or exceeds specified requirements. Submit supporting reference data, affidavits, and certifications as appropriate.
- E. Certificates may be rejected if previous test results on material or Product, but must be acceptable to Architect/Engineer.
- 2 PART 2 - PRODUCTS
- A. Not Used.
- 3 PART 3 - EXECUTION
- A. Not Used.

## SECTION 01600 - STARTING OF SYSTEMS

### 1. PART 1 - GENERAL

- Section Includes:
  - Starting systems.
  - Demonstration and instructions.
  - Testing, adjusting, and balancing.
- 2 RELATED SECTIONS
- A. Section 01400 - Quality Control: Manufacturers field reports.
- B. Section 01700 - Contract Closeout: System operation and maintenance data and extra materials.
- 13 STARTING SYSTEMS
- A. Coordinate schedule for start-up of various equipment and systems.
- B. Notify Owner seven days prior to start-up of each.
- C. Verify that each piece of equipment or system has been checked for proper lubrication, drive rotation, belt tension, control sequence, and other conditions which may cause damage.
- D. Verify that tests, meter readings, and specified electrical characteristics agree with those required by the equipment or system manufacturer.
- E. Verify wiring and support components for equipment are complete and tested.
- F. Execute start-up under supervision of responsible manufacturer's representative in accordance with manufacturers' instructions.
- G. When specified in individual specification Sections, require manufacturer to provide authorized representative to be present at site to inspect, check and approve equipment to system installation prior to start-up, and to supervise placing equipment or system in operation.
- H. Submit a written report in accordance with Section 01400 that equipment or system has been properly installed and is functioning correctly.
- 14 DEMONSTRATION AND INSTRUCTIONS
- A. Demonstrate operation and maintenance of Products to Owner's personnel one week prior to date of Substantial Completion.
- B. For equipment or systems requiring seasonal operation, perform demonstration for other season within six months.
- C. Utilize operation and maintenance manuals as basis for instruction. Review contents of manual with Owner's personnel in detail to explain all aspects of operation and maintenance.
- D. Demonstrate start-up, operation, control, adjustment, trouble-shooting, servicing, maintenance, and shutdown of each item of equipment at agreed-upon times, at equipment location.
- E. Prepare and insert additional data in operations and maintenance manuals when need for additional data becomes apparent during installation and balancing.
- A. Contractor will appoint, employ, and pay for services of an independent firm to perform testing, adjusting and balancing.
- B. The independent firm will perform services specified in Mechanical sections.
- C. Reports will be submitted by the independent firm to the Architect/Engineer, including observations and results of tests and indicating compliance or non-compliance with specified requirements and with the requirements of the Contract Documents.

### 2 PART 2 - PRODUCTS

### 3 PART 3 - EXECUTION

### 1. GENERAL

- Section Includes:
  - Final cleaning.
  - Adjusting.
  - Project record documents.
  - Operation and maintenance data.
- 2 RELATED SECTIONS
- A. Section 01300 - Submittals: Submission of Manufacturers' Instructions and Certificates.
- B. Section 01600 - Material and Equipment: Requirements for material and product quality.
- 13 QUALITY ASSURANCE/CONTROL OF INSTALLATION
- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- D. Comply with specified standards as a minimum quality of the Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or displacement.
- 14 REFERENCES
- A. Conform to reference standard by date of issue current on date of Contract Documents.
- B. Obtain copies of standards when required by Contract Documents.
- C. Should specified reference standards conflict with Contract Documents, request clarification from Architect/Engineer before proceeding.
- D. The Contractual relationship of the parties to the Contract shall not be altered from the Contract Documents by mention or reference otherwise in any reference document.
- 15 MANUFACTURER'S FIELD SERVICES AND REPORTS
- A. When specified in individual specification Sections, require material or Product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust, and balance of equipment as applicable, and to initiate instructions when necessary.
- B. Individuals to report observations and at decisions or instructions given to operators or installers that are supplemental or contrary to manufacturers' written instructions.
- C. Submit report in duplicate within 30 days of observation to Architect/Engineer for review.

- Warranties
- Spare parts and maintenance materials.
- 12 RELATED SECTIONS
- A. Section 01600 - Construction Facilities and Temporary Controls: Progress cleaning.
- B. Section 01650 - Starting of Systems: System start-up, testing, adjusting, and balancing.
- 13 CLOSEOUT PROCEEDINGS
- A. Submit written certification that Contract Documents have been reviewed. Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for Owner's inspection.
- B. Provide submittals to Owner that are required by governing or other authorities.
- C. Submit final Application for Payment identifying total adjusted Contract Sum, previous payments and interest due in-Situ Probe.
- 14 FINAL CLEANING
- A. Execute final cleaning prior to final inspection.
- B. Clean interior and exterior glass and surfaces exposed to view; remove temporary materials, stains and foreign substances; polish transparent and glossy surfaces; vacuum carpeted and soft surfaces.
- C. Clean equipment and fixtures to a sanitary condition.
- D. Replace fixtures of operating equipment.
- E. Clean debris from roofs, gutters, downspouts, and drainage systems.
- F. Clean site, sweep paved areas, rake clean landscaped surfaces.
- G. Remove waste and surplus materials, rubbish, and construction facilities from the site.
- 15 ADJUSTING
- A. Adjust operating Products and equipment to ensure smooth and unhindered operation.
- 16 PROJECT RECORD DOCUMENTS
- A. Materials on site, one set of the following record documents; record actual revisions to the Work:
  - Contract Drawings.
  - Specifications.
  - Addenda.
  - Change Orders and other Modifications to the Contract.
  - Reviewed shop drawings, product data, and samples.
  - Record information concurrent with construction progress.
  - Specifications: Legibly mark and record at each Product section description of actual Products installed.
  - Record Documents and Shop Drawings: Legibly mark each item to record actual construction.
  - Delete Architect/Engineer title block and record at all documents.
  - Submit owner required documents to Owner in format required by owner with claim for final Application for Payment.
- 17 OPERATION AND MAINTENANCE DATA
- A. Submit two sets prior to final inspection, bound in 8-1/2 x 11 inch text pages to Owner, three ring binders with durable covers.
- B. Prepare binder covers with printed title "OPERATION AND MAINTENANCE INSTRUCTIONS", title of project.
- C. Subdivide the binder contents with page dividers, organized as described below, with tab titling divided by ends square and Free of turns.
- D. Contents: Prepare a Table of Contents for each volume, with each Product or system description identified, type on white paper.
- E. Part 1: Directory, listing names, addresses, and telephone numbers of Architect/Engineer, Contractor, Subcontractors.
- F. Part 2: Operation and maintenance instructions, arranged by system and subdivided by specification section. For each category, identify names, addresses, and telephone numbers of Subcontractors and suppliers.
- G. Part 3: Project documents and certificates, including the following:
  - Shop drawings and product data.
  - Air and water balance reports.
  - Certificates.
  - Photocopies of warranties.
- H. Submit one copy of completed volumes in final form 7 days prior to final inspection. This copy will be returned after final inspection, with Owner comments. Revise content of documents as required prior to final inspection.
- I. Submit final volumes revised, within 15 days after final inspection to Owner.

### 18 WARRANTIES

- Provide duplicate notarized copies.
- Execute and assemble documents from Subcontractors, suppliers, and manufacturers. Provide Table of Contents and assemble in three ring binder with durable cover.
- C. Submit prior to final Application for Payment.
- D. For items of Work delayed beyond date of Substantial Completion, provide updated submittal within 15 days after acceptance, listing date of acceptance and date of warranty period.
- 19 SPARE PARTS AND MAINTENANCE MATERIALS
- A. Provide spares, spare parts, maintenance and extra materials in quantities specified in individual specification Sections.
- B. Deliver to Project site; obtain receipt prior to final payment.
- 20 PART 2 - PRODUCTS
- A. Not used.
- 21 PART 3 - EXECUTION
- A. Not used.

## SECTION 02070 - SELECTIVE DEMOLITION

### 1. GENERAL

- Definitions: As follows:
  - Remove: Remove and legally dispose of items except those indicated to be reinstated, salvaged, or to remain the Landlord's property.
  - Remove and Salvage: Items indicated to be removed and salvaged remain the Landlord's property. Remove, clean, pack or crate items to protect against damage. Identify contents of containers and deliver to Owner's designated storage area.
  - Remove and Reinstall: Remove items indicated; clean, service, and otherwise prepare them for reuse; store and protect against damage. Reinstall items in locations indicated.
  - Existing to Remain: Protect construction indicated to remain against damage and soliciting storage location during selective demolition and then cleaned and reinstalled in their original locations.
  - Except for items or materials indicated to be removed, salvaged, reinstated, or otherwise indicated to remain the Landlord's property, demolished materials shall become the Contractor's property and shall be removed from the site with sufficient dispatch at the Contractor's option.
  - C. Photographs or videotape, sufficiently detailed, of existing conditions of adjoining construction and site improvements that might be misinterpreted as damage caused by selective demolition operations.
  - D. Record drawings at Project closeout according to Division 1 Section "Contract Closeout."
- Identify and accurately locate capped utilities and other subsurface structural, electrical, or mechanical conditions.
- Regulatory Requirements: Comply with governing EPA notification regulations before starting selective demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- F. Landlord will occupy portions of the building immediately adjacent to selective tenant demolition area. Conduct selective demolition so that Landlord's operations will not be disrupted. Provide not less than 72 hours notice to Landlord of activities that will affect Landlord operations.
- G. Landlord assumes no responsibility for actual condition of buildings to be selectively demolished. H. Storage or sale of removed items or materials on-site will not be permitted.

### 12 PRODUCTS (Not Applicable)



2.8 CONCRETE MIXTURES FOR BUILDING ELEMENTS  
A. Slabs-on-Grade: Proportion normal-weight concrete mixture as follows:  
1. Minimum Compressive Strength: minimum 4000 psi (27.6 MPa) at 28 days or match existing (only if greater).  
2. Air Content: Do not allow air content of troweled finished floors to exceed 3 percent.  
3. Slump: 4 inches (102 mm).  
B. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94 and ASTM C 1116, and furnish batch ticket information.  
C. Project Site Mixing: Measure, batch, and mix concrete materials and concrete according to ASTM C 94. Mix concrete materials in appropriate drum-type batch machine mixer.  
2.9 SUBMITTALS  
2.7 ADMIXTURES  
No calcium chloride or chloride-ion producing admixture shall be used in any concrete.  
A. Air-Entraining Admixture: ASTM C 260.  
B. Water-Reducing Admixture: ASTM C 494, Type A.  
C. High-Range, Water-Reducing Admixture: ASTM C 494, Type F.  
D. Water-Reducing and Accelerating Admixture: ASTM C 494, Type E.  
E. Water-Reducing and Retarding Admixture: ASTM C 494, Type D.  
2.8 FABRICATING REINFORCEMENT  
A. Fabricate steel reinforcement according to CRSI's "Manual of Standard Practice".  
2.9 CURING MATERIALS  
A. Evaporation Retarder: Waterborne, monomolecular film forming, manufactured for application to fresh concrete.  
B. Moisture-Retaining Cover: ASTM C 1171, polyethylene film or white, butyl-polyethylene sheet.  
C. Clear, Solvent-Borne, Membrane-Forming Compound: ASTM C 309, Type 1, Class B.  
PART 3 - EXECUTION  
3.1 FORMWORK  
A. Design, construct, erect, shore, brace, and maintain formwork according to ACI 301.  
B. Support vertical, lateral, static, and dynamic loads, and construction loads that might be applied, until structure can support such loads.  
C. Construct formwork so concrete members and structures are of size, shape, alignment, elevation, and position indicated, with tolerance limits in accordance with ACI 117.  
D. Construct forms tight enough to prevent loss of concrete.  
E. Fabricate forms for easy removal without hammering or prying against concrete surfaces. Provide crush or wrinkling plates where stripping may damage cast concrete surfaces. Provide top forms for inclined surfaces sloping less than 1:5 horizontal to 1 vertical.  
1. Install keyways, registers, recesses, and the like for easy removal.  
2. Do not use rust-stained steel form-facing material.  
F. Set edge forms, bulkheads, and intermediate screed strips for slabs to achieve required elevations and slopes in finished concrete surfaces. Provide and secure units to support screed strips; use stakes-of templates or competing-type screeds.  
G. Chamfer exterior corners and edges of permanently exposed concrete.  
H. Clean forms and adjacent surfaces to receive concrete. Remove chips, wood, sawdust, dirt, and other debris just before placing concrete.  
I. Realign forms and bracing before placing concrete, as required, to prevent mortar leaks and maintain proper alignment.  
J. Coat contact surfaces of forms with form-release agent, according to manufacturer's written instructions, before placing reinforcement.  
3.2 VAPOR RETARDER  
A. Install, protect, and repair vapor-retarder sheets according to ASTM E 1643; place sheets in position with longest dimension parallel with direction of flow.  
B. Lap joints 4 inches and seal with manufacturer's recommended tape.  
3.3 EMBEDDED ITEMS  
A. Place and secure anchorage devices and other embedded items required for adjoining work that is attached to or supported by cast-in-place concrete. Use Setting Drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.  
3.4 STEEL REINFORCEMENT  
A. Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.  
1. Do not cut or puncture vapor retarder. Repair damage and reset vapor retarder before placing concrete.  
3.5 JOINTS  
A. General: Construct joints true to line with faces perpendicular to surface plane of concrete.  
B. Construction Joints: Locate and install so as not to impair strength or appearance of concrete, at locations indicated or as approved by Architect.  
C. Isolation Joints: Install joint-filler strips at junctions with slabs-on-grade and vertical surfaces, such as column pedestals, foundation walls, grade beams, and other locations as indicated.  
1. Extend joint filler full width and depth of joint, terminating flush with finished concrete surface, unless otherwise indicated.  
D. Construction (Control) Joints in Slabs-on-Grade: Form weakened-plane construction joints, sectioning concrete into areas as indicated. Construct construction joints for a depth equal to at least one-fourth of the concrete thickness.  
E. Dowelled Joints: Install dowel bars and support assemblies at joints where indicated. Lubricate or asphalt coat one-half of dowel length to prevent concrete bonding to one side of joint.  
3.6 CONCRETE PLACEMENT  
A. Comply with recommendations in ACI 304R, ASTM C 94, ASTM C 1116 and ACI 301, for measuring, mixing, transporting, and placing concrete.  
1. Deposit concrete continuously and avoid segregation. Deposit concrete in forms in horizontal layers no deeper than 24 inches (600 mm), avoiding cold joints, and in depths not to exceed formwork design pressures.  
2. Consolidate concrete with mechanical vibrating equipment.  
3. Screenshot and initial-form concrete floors and slabs using bull floats or darbies to form a uniform and open-textured surface plane, free of humps or hollows, before excess moisture or bleedwater appears on the surface. Do not further disturb slab surfaces before starting finishing operations.  
4. Floors to be level to within 1/8" tolerance in 10 feet, smooth and sealed. Verify intended floor finish. Do not seal concrete surface where sealer would interfere with floor coating. Comply with floor finish manufacturer specifications.  
3.7 FINISHING FLOORS AND SLABS  
A. Finish formed surfaces as follows:  
1. Apply rough-formed finish, defined in ACI 301, to concrete surfaces indicated or not exposed to public view.  
2. Apply smooth-formed finish, defined in ACI 301, to concrete surfaces indicated and exposed to public view or to be covered with a coating or covering material applied directly to concrete, such as waterproofing, dampproofing, veneer plaster, or painting.  
A. Do not apply rubbed finish to smooth-formed finish.  
1. Apply smooth-rubbed finish to smooth-formed finished concrete surfaces indicated or exposed to public view.  
B. Finishing Floors and Slabs: Comply with recommendations in ACI 302.1R for screeding, straightening, and finishing operations for concrete surfaces.  
1. Scratch Finish: Apply scratch finish, defined in ACI 301, to surfaces indicated and to surfaces to receive concrete floor topping or mortar setting beds for ceramic or quarry tile, polished cement terrazzo, and other bonded cementitious floor finishes.  
2. Float Finish: Apply float finish, defined in ACI 301, to surfaces indicated, to surfaces to receive trowel finish, and to surfaces to be covered with fluid-applied or sheet waterproofing, built-up or membrane roofing, or sand-bed terrazzo.  
3. Trowel Finish: Apply a trowel finish to surfaces indicated and to surfaces exposed to view or to be covered with resilient flooring, carpet, ceramic or quarry tile or over a cleavage membrane, paint, or another thin-film-finish coating system.  
a. After applying float finish, apply first trowel finish and consolidate concrete by hand or power-driven trowel. Continue troweling passes and straighten until surface is free of trowel marks and uniform in texture and appearance. Grind smooth any surface defects that would telegraph through applied coatings or floor coverings.  
b. Finish and measure surface so gap at any point between concrete surface and an unweilded freestanding 10-foot- (3.05-m-) long straightedge, resting on two high spots and placed anywhere on the surface, does not exceed the following:  
1. 1/8 inch (3.2 mm).  
4. Trowel and Fine-Broom Finish: Apply a partial trowel finish, stopping after second troweling, to surfaces indicated and to surfaces where ceramic or quarry tile is to be installed by either trowel or thin-set method. Immediately after second troweling, and when concrete is still plastic, slightly scratch surface with a fine broom.  
5. Broom Finish: Apply a broom finish to exterior concrete, brooming with fibre-bristle broom perpendicular to main traffic route, to platforms, steps, and ramps, and elsewhere as indicated.  
6. Verify intended floor finish. Do not seal concrete surface where sealer would interfere with floor coating. Comply with floor finish manufacturer specifications.  
3.8 CONCRETE PROTECTION AND CURING  
General: Protect concrete from excessive cold or hot temperatures. Comply with ACI 306.1-1990 for cold-weather protection and with recommendations in ACI 305R-1990 for hot-weather protection during curing.  
1. Apply evaporation retarder to uniformed concrete surfaces if hot, dry, or windy conditions cause excessive moisture loss.  
2. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.  
3. Cure formed and uniformed concrete for at least seven days by moisture curing, moisture-retaining-cover curing, or curing compound.  
4. Cure and seal floors and slabs with a curing and sealing compound according to manufacturer's written instructions.  
3.9 FIELD QUALITY CONTROL  
A. Testing Agency: Engage a qualified independent testing and inspecting agency see CS-3 for additional requirements.  
B. Testing Agency: Tests will be performed according to ASTM 301, and additional requirements as indicated in these drawings, CS-3. Specifications and manufacturer requirements. General contractor shall coordinate and arrange with appropriate parties, Village, etc., and coordinate with the Owner's Construction Manager all such testing.  
3.10 REPAIRS  
A. Defective Concrete: Repair and patch defective areas when approved by Architect/Owner. Remove and replace concrete that cannot be repaired and patched to requirements of these drawings.

END OF SECTION 03300

#### SECTION 03516 - HYDRAULIC CEMENT UNDERLAYMENT (ARDEX)

##### PART 1 - GENERAL

###### 1.1 RELATED DOCUMENTS

- A. Drawings, general provisions of the Contract, and other related construction documents such as Division 01 specifications apply to this Section.  
1.2 SUMMARY  
A. This Section includes a cement-based self-leveling underlayment formulated with a special blend of polymers used to level and smooth interior concrete, terrazzo, ceramic quarry tile, metal, wooden substrates, and non-soluble adhesive residue on concrete prior to the installation of finished flooring on all grade levels.

2. ARDEX P 150 Premium Self-Leveling Underlayment  
3. ARDEX P 82 Ultra-Prime  
4. ARDEX E 25 Ultra-Resilient Emulsion

###### B. Related Sections include the following:

1. Section 03 30 00, Cast-In-Place Concrete

2. Section 07 26 19, Topical Moisture Vapor Mitigation

##### 3. DIVISION 09 FINISHES

###### 1. REFERENCES

- A. ASTM C 109M, Compressive Strength Air-Cure Only  
B. ASTM C348, Flexural Strength of Hydraulic-Cement Mortars  
C. ASTM E84, Surface Burning Characteristics of Building Materials  
D. ASTM F2170, Relative Humidity in Concrete Floor Slabs Using in situ Probes  
E. ASTM F1869, Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Ca Chloride  
F. ASTM 770 - Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring  
1.4 SUBMITTALS  
A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used. Include manufacturer's Material Safety Data Sheets.  
B. Qualification Data: For Installer.  
1.5 QUALITY ASSURANCE  
A. Installation of the ARDEX product must be completed by a factory-trained applicator, such as an ARDEX LevelMaster® Elite or Choice Contractor, using mixing equipment and tools approved by the manufacturer. Contact ARDEX for a list of certified installers. See Ardex contact information on CS3.0 sheet.  
B. Product must have a hydraulic cement-based inorganic binder under the primary binder which includes portland cement per ASTM C150. Standard Specification for Portland Cement and other specialty hydraulic cements. Gypsum-based products are not acceptable.  
C. Manufacturer Experience: Provide products of this section by companies which have successfully specialized in production of this type of work for not less than 10 years. Contact Manufacturer Representative prior to installation.  
1.6 WARRANTY  
ARDEX K150 installed as part of a floor system, shall be installed in conjunction with the recommended ARDEX T-8 Slope Installation Materials or W/ HENRY Flooring Adhesive, as appropriate, to provide the ARDEX System/One 10-year comprehensive warranty.  
1.7 DELIVERY, STORAGE AND HANDLING  
A. Deliver products in original packaging, labeled with product identification, manufacturer, batch number and shelf life.  
B. Store products in a dry area with temperature maintained between 50° and 85° F (10° and 29° C) and protect from direct sunlight.  
C. Handle products in accordance with manufacturer's printed recommendations  
1.8 PROJECT CONDITIONS  
A. Do not install material below 50° F (10° C) surface and air temperatures. These temperatures must also be maintained during and for 48 hours after the installation of products included in this section. Install quickly if substrate is warm and follow warm weather instructions available from the ARDEX Technical Service Department.  
PART 2 - PRODUCTS  
2.1 HYDRAULIC CEMENT UNDERLAYMENT  
A. Hydraulic Cement-based Self-Leveling Underlayment  
1. Acceptable Products  
a. ARDEX K 150®: Manufactured by ARDEX Engineered Cements, 400 Arden Park Drive, Alhambra, PA 19001 USA, (724) 203-5000, www.ardex.com  
i. Primer Standard Porous Concrete: ARDEX P 51™ Primer  
ii. Primer Non-porous substrates, ceramic quarry tile, non-water soluble adhesive residue, concrete treated with silicate compounds, metal, and wooden subfloors: ARDEX P 82™ Ultra Prime  
iii. Additive: ARDEX E 25™ Resilient Emulsion  
2. Performance and Physical Properties: Meet or exceed the following values for material cured at 73° F-43°F (23° C-24° C) and 50% ± 5% relative humidity:  
a. Application: Barrel Mix or Pump  
b. Flow Time: 10 minutes  
c. Initial Set: Approx. 30 minutes  
d. Final Set: Approx. 40 minutes  
e. Compressive Strength: 4100 psi at 28 days, ASTM C109M.  
f. Flexural Strength: 1000 psi at 28 days, ASTM C78.  
g. VOC: 0 g/L, calculated SCAQMD 1168  
2.2 WATER: Water shall be clean, potable, and sufficiently cool (not warmer than 70°F).  
2.3 ALTERNATE UNDERLAYMENTS: When appropriate and when technical criteria are met for each underlayment, ARDEX K10, K13, K50 and V1200 are also approved underlayments for use on Ultra projects. Alternate underlayments must meet technical requirements of conditions and moisture mitigation system being used (if any).

##### PART 3 - EXECUTION

###### 3.1 PREPARATION

- A. Concrete Subfloors: Prepare substrate in accordance with manufacturer's instructions.  
1. Prior to proceeding please refer to ASTM F710 Standard Practice for Preparing Concrete Floors to Receive Resilient Flooring. All concrete subfloors must be sound, solid, clean, and free of all oil, grease, dirt, curing compounds and any substance that might act as a bond breaker before priming. Mechanically clean if necessary using shot blasting or other. Acid etching and the use of sweeping compounds and solvents are not acceptable.  
2. All cracks in the subfloor shall be repaired to minimize telegraphing through the underlayment.  
3. Substrates shall be inspected in accordance with ASTM F1869 or ASTM F2170 and corrected for moisture or any other conditions that could affect the performance of the underlayment or the finished floor covering. For areas where moisture vapor emissions exceed the limits required by the floor covering manufacturer refer to Section 07 26 19, Topical Moisture Vapor Mitigation Systems and install the appropriate ARDEX Moisture Control System.  
B. Joint Preparation:  
1. Moving Joints: Honor all expansion and isolation joints up through the underlayment. A flexible sealing compound such as ARDEX ARDEXAL™ Rapid Plus may be installed.  
2. Saw Cuts and Control Joints: Fill all non-moving joints with ARDEX ARDEXIFIX™ Joint Filler or ARDEX SD-F™ FEATHER FINISH® as recommended by the manufacturer.  
C. Wooden subfloors: must be clean and free of all old finish material. Sand to bare wood then vacuum to remove all dust. Re-sail any loose boards exhibiting movement.  
D. Metal subfloors must be clean and free of all rust and foreign matter. Where required, a corrosion resistant coating should be applied and allowed to dry before priming.  
E. Cutback and other non-water soluble adhesive residues must be wet scraped to a thin, well-bonded layer.  
F. Non-porous subfloors such as ceramic and quarry tile as well as terrazzo should be clean and free of all waxes and sealers. If necessary, clean by mechanical methods such as shot blasting or other.  
2.2 APPLICATION OF ARDEX K 150:  
A. Examine substrates and conditions under which materials will be installed. Do not proceed with installation until unsatisfactory conditions are corrected.  
B. Coordinate installation with adjacent work to ensure proper sequence of construction. Protect adjacent areas from contact due to mixing and handling of materials.  
C. Priming:  
1. Primer for standard absorbent concrete subfloors: Mix ARDEX P-51 1:1 with water and apply evenly with a soft push broom. Do not leave any bare spots. Remove all puddles and excess primer. Allow to dry to a clear, thin film (min. 3 hours, max. 24 hours). Underlayment shall not be applied until the primer is dry. Primer coverage is approximately 400 to 600 sq. ft. per gallon.  
2. Primer for extremely absorbent concrete subfloors: Make an initial application of ARDEX P-51 mixed with 3 parts water using a soft push broom. Do not leave any bare spots. Remove all puddles and excess primer. Allow to dry thoroughly before proceeding with the standard application of primer as described above for standard absorbent concrete.  
3. Primer for non-porous substrates, wooden or metal subfloors, or cutback and other non-water soluble adhesive residue over concrete: Prime with ARDEX P-82 Ultra-Prime. Mix Part A (red) with Part B (white) and apply with a short-nap or sponge paint roller, leaving a thin coat of primer no heavier than a thin coat. Do not leave any bare spots. Remove all puddles and excess primer. Allow to dry to a clear, slightly tacky film (minimum 3 hours, maximum 24 hours). Underlayment shall not be installed until primer is dry. Primer coverage is approximately 200 to 400 square feet per gallon.  
4. Minimum drying time for ARDEX P-82 Ultra-Prime over cutback adhesive is 18 hours.  
D. Mixing: Comply with manufacturer's printed instructions and the following:  
1. Add 7 quarts (6.5 L) of clean potable water per two 55-pound bag.  
2. Mix using a 1/2" (650 rpm) low speed heavy-duty mixing drill with an ARDEX T-1 mixing paddle. Do not overwater.  
3. Aggregate mix: For areas to be installed over 1 1/2" thick, aggregate may be added to reduce material costs. Mix ARDEX K 150 with water first, then add from 1.3 up to 1 part by volume of washed, well-graded pea gravel aggregate (1/8" to 1/4" or larger). Do use sand. Note: The addition of aggregate will diminish the workability of the make it necessary to install a finish coat on a smooth surface. Ardex recommends a 1" application of ARDEX K 150 next to be installed as the finish coat.  
4. For pump installation, ARDEX K 150 shall be mixed using the ARDEX LevelMaster Automatic Mixing Pump. Start the pump at 210 gallons of water per hour, and then adjust to the minimum material reading that still allows self-leveling properties. Do not overwater. Check the consistency of the product on the floor to ensure a uniform distribution of the sand aggregate at both the top surface and bottom of the pour.  
E. Application: Comply with manufacturer's printed instructions and the following:  
1. ARDEX K 150 must be installed at a minimum thickness of 1/8" over the highest point in the floor, which typically results in an average thickness of 1/2" over the entire floor. ARDEX K 150 can be installed up to 1 1/2" over large areas, and up to 5" with the addition of proper aggregate. ARDEX K 150 can also be feathered to match existing elevations.  
2. Pour or pump the liquid ARDEX K 150 and spread in place with the ARDEX T-4 Spreader. Use the ARDEX T-5 Smoother and featheredge and touch-up. Wear non-metallic shoes to avoid leaving marks in the liquid ARDEX K 150.  
3. Wood subfloors require the use of the mesh-reinforced ARDEX K150 + E25™ Resilient Emulsion Underlayment System. After priming, install 3.4 galvanized diamond metal lath by stitching to the wooden subfloor approximately every 6 inches to center.  
4. Metal subfloors require the use ARDEX K150 + E25™ Resilient Emulsion Underlayment System.  
5. Steel subfloors require that the substrate first be primed with an anti-corrosive paint. After thorough drying of the paint, prime the surface with ARDEX P2™ Ultra-Prime.  
F. Curing:  
1. ARDEX K150 can be walked on in 2-3 hours. Moisture-insensitive tiles such as ceramic quarry and porcelain can be installed after 6 hours. Underlayment can accept all other finish floor covering materials after 16 hours at 70°F and 55% relative humidity. For resinous systems such as epoxy and polyurethane floors please contact the ARDEX Technical Services Department.

##### 3.4 FIELD QUALITY CONTROL

- A. Where specified, field sampling of the Ardex underlayment is to be done by taking an entire unopened bag of the product being installed to an independent testing facility to perform compressive strength testing in accordance with ASTM C 1030(modified): air-cure only. There are no in situ test procedures for the evaluation of compressive strength.  
3.5 PROTECTION  
A. Prior to the installation of the finish flooring, the surface of the underlayment should be protected from abuse by other trades by the use of plywood, Masonite or other suitable protection course.

#### SECTION 05500 - METAL FABRICATIONS

##### 1.1 GENERAL

- B. Submittals: In addition to product data, submit the following:  
1. Shop drawings detailing fabrication and erection, including templates for anchor bolt placement.  
2. Samples, materials and finishes as may be requested by Architect.  
3. For structural steel fabrication: AISC Certification for steel fabrication is required.  
4. Fabricators Qualifications: A qualified fabricator who participates in the AISC Quality Certification Program and designated as an AISC Certified Plant, Category 30d.  
5. Welding Qualifications: Qualifying procedures and personnel according to AWS D1.1, structural welding code - steel.  
1.2 PRODUCTS

- A. General: Provide materials selected for their surface flatness, smoothness, and freedom from surface blemishes.  
B. Steel and Iron: As follows:  
1. Plates, Shapes, and Bars: ASTM A 36/A 36M.  
2. Rolled Floor Plates: ASTM A 786/A 786M/Rolled from plate complying with ASTM A36/A, 36M, Grade C or D.  
3. Cold-Formed Tubing: ASTM A 500.  
4. Pipe: ASTM A 53, standard weight (schedule 40), unless otherwise indicated. Paint black, unless otherwise indicated.  
5. Gray-Iron Castings: ASTM A 48, Class 30.  
6. Concrete Inserts: Threaded or wedge type, galvanized ferrous castings, either ASTM A 47 (ASTM A 47M) malleable iron or ASTM A 277A 27M cast steel. Provide bolts, washers, and shims as required, hot-dip galvanized per ASTM F2329.  
C. Aluminum: As follows:  
1. Extrusions: ASTM B 221 (ASTM B 221M), alloy 6063-T6.  
2. Rolled Treat Plate: ASTM B 632 (ASTM B 632M) Pattern 1, alloy 6061-T6.  
D. Fasteners: Provide plated fasteners complying with ASTM B 633, Class Fe/Zn 25 for electroplated zinc coating, for exterior use of where bolt into exterior walls. Select fasteners for the type, grade, & class req'd.  
E. Shop Primer for Ferrous Metal: Fast-curing, lead- and chromate-free, universal modified-alkyd primer with good resistance to corrosion, compatible with finish paint systems, and complying with performance requirements of FSTT-F-464.  
F. Galvanizing Repair Paint: High-zinc-dust-content paint, with dry film containing not less than 94 percent zinc dust by weight.  
G. Concrete Fill: Comply with requirements of Division 3 Section "Cast-in-Place Concrete" for normal-weight concrete with a minimum 28-day compressive strength of 3,000 psi (20 MPa).  
H. Nonshrink, Metallic Grout: Factory packaged; ferrous-aggregate grout complying with ASTM C 1107.  
I. Nonshrink, Nonmetallic Grout: Factory packaged; nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107.  
J. Fabrication, General: Form from materials of type, size, thickness, and shapes indicated. Work to dimensions indicated or accepted on shop drawings, using proven details of fabrication and support. Reassemble items in shop to greatest extent possible.  
1. Shear and punch metals cleanly and accurately. Remove sharp or rough areas and expose exposed edges.  
2. Weld corners and seams continuously. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals. Obtain fusion without undercut or overlap. Remove welding flux immediately. Finish exposed welds and surfaces smooth and blended.  
3. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible. Locate joints where least conspicuous.  
4. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.  
K. Rough Hardware: Furnish custom-fabricated bolts, plates, anchors, hangers, dowels, and other miscellaneous steel and iron shapes for supporting and anchoring woodwork.  
L. Galvanize, unless otherwise indicated.  
M. Loose Steel Linets: Fabricate from shapes and to sizes indicated.  
N. Shelf and Relieving Angles: Fabricate to sizes indicated for attachment to support framing. Provide slotted holes to receive 3/4-inch (19-mm) bolts, spaced not more than 6 inches (150 mm) from ends and not more than 24 inches (600mm) apart.  
1. Furnish wedge-type concrete inserts, complete with fasteners, to attach shelf angles to cast-in-place concrete.  
2. Galvanize shelf angles to be installed on exterior concrete.  
O. Miscellaneous Framing and Supports: Provide as required to complete the Work but not included with structural steel framework. Fabricate as indicated and required to receive adequate construction. Fabricate from structural steel of welded construction. Drill and tap to receive hardware, hangers, and similar items. Include anchors for building into other work, spaced not more than 24 inches (600 mm) o.c.  
P. Miscellaneous Steel Trim: Fabricate from steel shapes, plates, and bars of profiles shown with continuously welded joints, and smooth exposed edges. Make corners and use concealed field splices wherever possible. Provide cutouts, fittings, and anchorages, coordinate assembly and installation with other work.  
Q. Pipe Bolts: Fabricate from Schedule 80 steel pipe capped with 1/4-inch (6.4-mm) steel plate.  
1. Fabricate sleeves for bollocks from steel pipe with 1/4-inch (6.4-mm) thick steel plate welded to bottom of sleeve.  
R. Finish metal fabrications after assembly. Comply with NAIMM "Metal Finishes Manual for Architectural and Metal Products" for recommendations on application of finishes. Shop-prime ferrous metal items not indicated to be galvanized.  
1. Hot-dip galvanize items indicated to be galvanized. Comply with ASTM A 153 or ASTM A 123 as applicable.  
2. Preparation for Shop Priming: Prepare uncoated ferrous metal surfaces to comply with SSPC-SP 3 "Power Tool Cleaning".  
3. Apply shop primer per requirements of SSPC-P-1 "Paint Application Specification No. 1" for shop painting.  
1.3 EXECUTION  
A. Installation, General: Perform cutting, drilling, and fitting required for installing metal fabrications. Set units accurately in location, alignment and elevation with edges and surfaces level, plumb, and true.  
1. Fit exposed connections accurately together and weld, unless otherwise indicated. Do not weld, cut, or abrade the surfaces of galvanized units that are intended to be bolted together.  
2. Provide temporary bracing or anchors in formwork for items that are to be built into concrete masonry or similar construction.  
B. Set loose items on cleaned bearing surfaces using wedges or other adjustable devices. After the items have been positioned and plumbed, tighten the anchor bolts and pack space with grout.  
1. Use nonshrink, metallic grout in concealed locations where not exposed to moisture; use nonshrink, nonmetallic grout in exposed locations, unless otherwise indicated.  
C. Anchor bollocks in concrete with pipe sleeves preset into concrete. Fill space between bolt and sleeve solidly with nonshrink, nonmetallic grout.  
1. Fill bollocks solidly with concrete, rounding top surface.  
D. Touch up shop paint after erection. Clean field welds, bolted connections, and abraded areas and paint with same material as used for shop painting.  
E. For galvanized surfaces, clean welds, bolted connections, & abraded areas, & apply galvanizing repair paint.  
F. Corrosion Protection: Coat concealed surfaces of aluminum that will come into contact with grout, concrete, masonry, wood, or bituminous with the following:  
1. Coated Aluminum: Heavy coat of bituminous paint.  
2. Extruded Aluminum: Two coats of clear lacquer.

attachment of other construction, including rooftop equipment curbs and support bases, cant strips, bucks, nailers, blocking, and similar members.  
F. Air-Infiltration Barrier: Air retarder complying with ASTM E 1617; made from polyolefin; either cross-laminated films, woven stands, or spunbonded fibers, coated or uncoated, with or without perforations to transmit water vapor but not liquid water, and with minimum water-vapor transmission of 10 perms (575 ng/Pa x s x sq. m) when tested according to ASTM E 96, Procedure A.  
G. Fasteners: Size and type indicated. Where rough carpentry is exposed to weather, in ground contact, or in area of high relative humidity, provide fasteners with a hot-dip zinc coating per ASTM A 153 or of Type 304 stainless steel.  
1. Power-Driven Fasteners: CABO NER-272.  
2. Bolts: Steel bolts complying with ASTM A 307, Grade A (ASTM F 568, Property Class 4.6); with ASTM A 563 (ASTM A 563M) hex nuts and, where indicated, flat washers.  
H. Metal Framing Anchors: Provide galvanized steel framing anchors of structural capacity, type, and size indicated and as follows:  
1. Research or Evaluation Reports: Provide products for which model code research or evaluation reports exist that are acceptable to authorities having jurisdiction and that evidence of compliance of metal framing anchors for application indicated with building code in effect. For Project.  
2. Allowable Design Loads: Provide products with allowable design loads, as published by manufacturer, that meet or exceed those indicated. Manufacturer's published values shall be determined from empirical data or by rational engineering analysis, and demonstrated by comprehensive testing performed by a qualified independent testing agency.  
3. Galvanized Steel Sheet: Hot-dip, zinc-coated steel sheet complying with ASTM A 653, 680 (ASTM A 653M, A2180) coating designation; structural, commercial, or lock-forming quality, as standard with manufacturer for type of anchor indicated.  
I. Self-Sealer Gaskets: Glass fiber-reinforced insulation, fabricated in strip form, for use as a self sealer; 1-inch (25-mm) nominal thickness, compressible to 1/32 inch (0.8mm); selected from manufacturer's standard widths to suit width of all members indicated.  
J. Adhesives for Field Gluing Panels to Framing: Formulation complying with APA AF-01 that is approved for use with type of construction panel indicated by both adhesive and panel manufacturers.  
K. Telephone and Electrical Equipment Backing Panels: DOC PS 1, exterior, ARD, where exposed to view. [Exterior: C-2 Plugged, where acceptable to owner/landlord] [Re-reinforced treated where required], in thickness indicated or, if not indicated, not less than 3/4-inch nominal thickness.  
1.3 EXECUTION  
A. Set rough carpentry to required levels and lines, with members plumb, true to line, cut, and fitted.  
B. Fit rough carpentry to other construction; scribe and cope as required for accurate fit. Correlate location of framing, nailers, blocking, grounds, and similar supports to allow attachment of other construction.  
C. Securely attach rough carpentry work to substrate by anchoring and fastening as indicated, complying with the following:  
1. CABO NER-272 for power-driven staples, P-nails, and allied fasteners.  
2. Published requirements of metal framing anchor manufacturer.  
3. "Recommended Nailing Schedule" of referenced framing standard and with APFA's "National Design Specifications for Wood Construction".  
4. Table 23-Q-4-Nailing Schedule" of the Uniform Building Code.  
5. Table 2305.2-Fastening Schedule" of the B.O.C.A. National Building Code where applicable.  
6. Table 1705.1-Fastening Schedule", of the Standard Building Code.  
7. Table 2304.9.1-Fastening Schedule", of the International Building Code.  
D. Use hot-dip galvanized or stainless-steel nails where rough carpentry is exposed to weather, in ground contact, or in areas of high relative humidity.  
E. Countersink nail heads on exposed carpentry work and fill holes with wood filler.  
F. Framing Standard: Comply with APFA's "Manual for Wood Frame Construction", unless otherwise indicated.  
G. Air-Infiltration Barrier: Cover sheathing with air-infiltration barrier to comply with manufacturer's written instructions.  
1. Apply air-infiltration barrier to cover upstanding sheathing with 4-inch (100-mm) overlap.  
a. All manufacturers of air barrier, installation and flashing products are to provide letters of compatibility for these products in combination with each other.

1. Shear and punch metals cleanly and accurately. Remove sharp or rough areas and expose exposed edges.  
2. Weld corners and seams continuously. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals. Obtain fusion without undercut or overlap. Remove welding flux immediately. Finish exposed welds and surfaces smooth and blended.  
3. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible. Locate joints where least conspicuous.  
4. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.  
K. Rough Hardware: Furnish custom-fabricated bolts, plates, anchors, hangers, dowels, and other miscellaneous steel and iron shapes for supporting and anchoring woodwork.  
L. Galvanize, unless otherwise indicated.  
M. Loose Steel Linets: Fabricate from shapes and to sizes indicated.  
N. Shelf and Relieving Angles: Fabricate to sizes indicated for attachment to support framing. Provide slotted holes to receive 3/4-inch (19-mm) bolts, spaced not more than 6 inches (150 mm) from ends and not more than 24 inches (600mm) apart.  
1. Furnish wedge-type concrete inserts, complete with fasteners, to attach shelf angles to cast-in-place concrete.  
2. Galvanize shelf angles to be installed on exterior concrete.  
O. Miscellaneous Framing and Supports: Provide as required to complete the Work but not included with structural steel framework. Fabricate as indicated and required to receive adequate construction. Fabricate from structural steel of welded construction. Drill and tap to receive hardware, hangers, and similar items. Include anchors for building into other work, spaced not more than 24 inches (600 mm) o.c.  
P. Miscellaneous Steel Trim: Fabricate from steel shapes, plates, and bars of profiles shown with continuously welded joints, and smooth exposed edges. Make corners and use concealed field splices wherever possible. Provide cutouts, fittings, and anchorages, coordinate assembly and installation with other work.  
Q. Pipe Bolts: Fabricate from Schedule 80 steel pipe capped with 1/4-inch (6.4-mm) steel plate.  
1. Fabricate sleeves for bollocks from steel pipe with 1/4-inch (6.4-mm) thick steel plate welded to bottom of sleeve.  
R. Finish metal fabrications after assembly. Comply with NAIMM "Metal Finishes Manual for Architectural and Metal Products" for recommendations on application of finishes. Shop-prime ferrous metal items not indicated to be galvanized.  
1. Hot-dip galvanize items indicated to be galvanized. Comply with ASTM A 153 or ASTM A 123 as applicable.  
2. Preparation for Shop Priming: Prepare uncoated ferrous metal surfaces to comply with SSPC-SP 3 "Power Tool Cleaning".  
3. Apply shop primer per requirements of SSPC-P-1 "Paint Application Specification No. 1" for shop painting.  
1.3 EXECUTION  
A. Installation, General: Perform cutting, drilling, and fitting required for installing metal fabrications. Set units accurately in location, alignment and elevation with edges and surfaces level, plumb, and true.  
1. Fit exposed connections accurately together and weld, unless otherwise indicated. Do not weld, cut, or abrade the surfaces of galvanized units that are intended to be bolted together.  
2. Provide temporary bracing or anchors in formwork for items that are to be built into concrete masonry or similar construction.  
B. Set loose items on cleaned bearing surfaces using wedges or other adjustable devices. After the items have been positioned and plumbed, tighten the anchor bolts and pack space with grout.  
1. Use nonshrink, metallic grout in concealed locations where not exposed to moisture; use nonshrink, nonmetallic grout in exposed locations, unless otherwise indicated.  
C. Anchor bollocks in concrete with pipe sleeves preset into concrete. Fill space between bolt and sleeve solidly with nonshrink, nonmetallic grout.  
1. Fill bollocks solidly with concrete, rounding top surface.  
D. Touch up shop paint after erection. Clean field welds, bolted connections, and abraded areas and paint with same material as used for shop painting.  
E. For galvanized surfaces, clean welds, bolted connections, & abraded areas, & apply galvanizing repair paint.  
F. Corrosion Protection: Coat concealed surfaces of aluminum that will come into contact with grout, concrete, masonry, wood, or bituminous with the following:  
1. Coated Aluminum: Heavy coat of bituminous paint.  
2. Extruded Aluminum: Two coats of clear lacquer.

1. Shear and punch metals cleanly and accurately. Remove sharp or rough areas and expose exposed edges.  
2. Weld corners and seams continuously. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals. Obtain fusion without undercut or overlap. Remove welding flux immediately. Finish exposed welds and surfaces smooth and blended.  
3. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible. Locate joints where least conspicuous.  
4. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.  
K. Rough Hardware: Furnish custom-fabricated bolts, plates, anchors, hangers, dowels, and other miscellaneous steel and iron shapes for supporting and anchoring woodwork.  
L. Galvanize, unless otherwise indicated.  
M. Loose Steel Linets: Fabricate from shapes and to sizes indicated.  
N. Shelf and Relieving Angles: Fabricate to sizes indicated for attachment to support framing. Provide slotted holes to receive 3/4-inch (19-mm) bolts, spaced not more than 6 inches (150 mm) from ends and not more than 24 inches (600mm) apart.  
1. Furnish wedge-type concrete inserts, complete with fasteners, to attach shelf angles to cast-in-place concrete.  
2. Galvanize shelf angles to be installed on exterior concrete.  
O. Miscellaneous Framing and Supports: Provide as required to complete the Work but not included with structural steel framework. Fabricate as indicated and required to receive adequate construction. Fabricate from structural steel of welded construction. Drill and tap to receive hardware, hangers, and similar items. Include anchors for building into other work, spaced not more than 24 inches (600 mm) o.c.  
P. Miscellaneous Steel Trim: Fabricate from steel shapes, plates, and bars of profiles shown with continuously welded joints, and smooth exposed edges. Make corners and use concealed field splices wherever possible. Provide cutouts, fittings, and anchorages, coordinate assembly and installation with other work.  
Q. Pipe Bolts: Fabricate from Schedule 80 steel pipe capped with 1/4-inch (6.4-mm) steel plate.  
1. Fabricate sleeves for bollocks from steel pipe with 1/4-inch (6.4-mm) thick steel plate welded to bottom of sleeve.  
R. Finish metal fabrications after assembly. Comply with NAIMM "Metal Finishes Manual for Architectural and Metal Products" for recommendations on application of finishes. Shop-prime ferrous metal items not indicated to be galvanized.  
1. Hot-dip galvanize items indicated to be galvanized. Comply with ASTM A 153 or ASTM A 123 as applicable.  
2. Preparation for Shop Priming: Prepare uncoated ferrous metal surfaces to comply with SSPC-SP 3 "Power Tool Cleaning".  
3. Apply shop primer per requirements of SSPC-P-1 "Paint Application Specification No. 1" for shop painting.  
1.3 EXECUTION  
A. Installation, General: Perform cutting, drilling, and fitting required for installing metal fabrications. Set units accurately in location, alignment and elevation with edges and surfaces level, plumb, and true.  
1. Fit exposed connections accurately together and weld, unless otherwise indicated. Do not weld, cut, or abrade the surfaces of galvanized units that are intended to be bolted together.  
2. Provide temporary bracing or anchors in formwork for items that are to be built into concrete masonry or similar construction.  
B. Set loose items on cleaned bearing surfaces using wedges or other adjustable devices. After the items have been positioned and plumbed, tighten the anchor bolts and pack space with grout.  
1. Use nonshrink, metallic grout in concealed locations where not exposed to moisture; use nonshrink, nonmetallic grout in exposed locations, unless otherwise indicated.  
C. Anchor bollocks in concrete with pipe sleeves preset into concrete. Fill space between bolt and sleeve solidly with nonshrink, nonmetallic grout.  
1. Fill bollocks solidly with concrete, rounding top surface.  
D. Touch up shop paint after erection. Clean field welds, bolted connections, and abraded areas and paint with same material as used for shop painting.  
E. For galvanized surfaces, clean welds, bolted connections, & abraded areas, & apply galvanizing repair paint.  
F. Corrosion Protection: Coat concealed surfaces of aluminum that will come into contact with grout, concrete, masonry, wood, or bituminous with the following:  
1. Coated Aluminum: Heavy coat of bituminous paint.  
2. Extruded Aluminum: Two coats of clear lacquer.

1. Shear and punch metals cleanly and accurately. Remove sharp or rough areas and expose exposed edges.  
2. Weld corners and seams continuously. Use materials and methods that minimize distortion and develop strength and corrosion resistance of base metals. Obtain fusion without undercut or overlap. Remove welding flux immediately. Finish exposed welds and surfaces smooth and blended.  
3. Form exposed connections with hairline joints, flush and smooth, using concealed fasteners where possible. Locate joints where least conspicuous.  
4. Form bent-metal corners to smallest radius possible without causing grain separation or otherwise impairing work.  
K. Rough Hardware: Furnish custom-fabricated bolts, plates, anchors, hangers, dowels, and other miscellaneous steel and iron shapes for supporting and anchoring woodwork.  
L. Galvanize, unless otherwise indicated.  
M. Loose Steel Linets: Fabricate from shapes and to sizes indicated.  
N. Shelf and Relieving Angles: Fabricate to sizes indicated for attachment to support framing. Provide slotted holes to receive 3/4-inch (19-mm) bolts, spaced not more than 6 inches (150 mm) from ends and not more than 24 inches (600mm) apart.  
1. Furnish wedge-type concrete inserts, complete with fasteners, to attach shelf angles to cast-in-place concrete.  
2. Galvanize shelf angles to be installed on exterior concrete.  
O. Miscellaneous Framing and Supports: Provide as required to complete the Work but not included with structural steel framework. Fabricate as indicated and required to receive adequate construction. Fabricate from structural steel of welded construction. Drill and tap to receive hardware, hangers, and similar items. Include anchors for building into other work, spaced not more than 24 inches (600 mm) o.c.  
P. Miscellaneous Steel Trim: Fabricate from steel shapes, plates, and bars of profiles shown with continuously welded joints, and smooth exposed edges. Make corners and use concealed field splices wherever possible. Provide cutouts, fittings, and anchorages, coordinate assembly and installation with other work.  
Q. Pipe Bolts: Fabricate from Schedule 80 steel pipe capped with 1/4-inch (6.4-mm) steel plate.  
1. Fabricate sleeves for bollocks from steel pipe with 1/4-inch (6.4-mm) thick steel plate welded to bottom of sleeve.  
R. Finish metal fabrications after assembly. Comply with NAIMM "Metal Finishes Manual for Architectural and Metal Products" for recommendations on application of finishes. Shop-prime ferrous metal items not indicated to be galvanized.  
1. Hot-dip galvanize items indicated to be galvanized. Comply with ASTM A 153 or ASTM A 123 as applicable.  
2. Preparation for Shop Priming: Prepare uncoated ferrous metal surfaces to comply with SSPC-SP 3 "Power Tool Cleaning".  
3. Apply shop primer per requirements of SSPC-P-1 "Paint Application Specification No. 1" for shop painting.  
1.3 EXECUTION  
A. Installation, General: Perform cutting, drilling, and fitting required for installing metal fabrications. Set units accurately in location, alignment and elevation with edges and surfaces level, plumb, and true.  
1. Fit exposed connections accurately together and weld, unless otherwise indicated. Do not weld, cut, or abrade the surfaces of galvanized units that are intended to be bolted together.  
2. Provide temporary bracing or anchors in formwork for items that are to be built into concrete masonry or similar construction.  
B. Set loose items on cleaned bearing surfaces using wedges or other adjustable devices. After the items have been positioned and plumbed, tighten the anchor bolts and pack space with grout.  
1. Use nonshrink, metallic grout in concealed locations where not exposed to moisture; use nonshrink, nonmetallic grout in exposed locations, unless otherwise indicated.  
C. Anchor bollocks in concrete with pipe sleeves preset into concrete. Fill space between bolt and sleeve solidly with nonshrink, nonmetallic grout.  
1. Fill bollocks solidly with concrete, rounding top surface.  
D. Touch up shop paint after erection. Clean field welds, bolted connections, and abraded areas and paint with same material











3. Setting-Type Joint Compounds for Gypsum Board: Factory-packaged, job-mixed, chemical-hardening powder products formulated for uses indicated.
- a. For prefilling gypsum board joints, use formulation recommended by gypsum board manufacturer.
- b. For filling joints and treating fasteners of water-resistant gypsum backing board behind base for ceramic tile, use formulation recommended by gypsum board manufacturer.
- c. For topping compound, use sandable formulation.
4. Drying-Type Joint Compounds for Gypsum Board: Factory-packaged vinyl-based products complying with the following requirements for formulation and intended use.
- a. Ready-Mixed Formulation: Factory-mixed product.
- 1) All-purpose compound formulated for both topping and topping compounds.
5. Joint Compound for Cementitious Backer Units: Material recommended by cementitious backer unit manufacturer.
- K. Acoustical Sealant for Exposed and Concealed Joints: Manufacturer's standard nongap, paintable, nonstaining latex sealant complying with ASTM C 834 that is effective in reducing airborne sound transmission through perimeter joints and openings in building construction as demonstrated by testing representative assemblies according to ASTM E 99. Provide sealants that have VOC content of 250g/l or less when calculated according to 40 CFR 59, subpart D (EPA Method 24).
- L. Acoustical Sealant for Concealed Joints: Manufacturer's standard nonhardening, nonstaining, nonstaining, gunnable, synthetic-rubber sealant recommended for sealing interior concealed joints to reduce transmission of airborne sound.
- M. Miscellaneous Materials: Provide auxiliary materials for gypsum board construction that comply with referenced standards and recommendations of gypsum board manufacturer.

1. Spot GROUT: ASTM C 475, setting-type joint compound recommended for spot-grouting hollow metal door frames.
2. Fastening Adhesive for Wood: ASTM C557, as recommended by manufacturer.
3. Fastening Adhesive for Metal: Special adhesive recommended for laminating by manufacturer gypsum panels to steel framing.
4. Steel drill screws complying with ASTM C 1002 for the following applications:
- a. Fastening gypsum board to steel members less than 0.033 inch (0.84 mm) thick.
- b. Fastening gypsum board to wood members.
- c. Fastening gypsum board to gypsum board.
5. Steel drill screws complying with ASTM C 954 for fastening gypsum board to steel members from 0.033 to 0.112 inch (0.84 to 2.84 mm) thick.
6. Steel drill screws of size and type recommended by unit manufacturer for fastening cementitious backer units.
7. Gypsum Board Nails: ASTM C 514.
8. Asphalt-Saturated Organic Felt: ASTM D 226, Type I (No. 15 asphalt felt), nonperforated.
9. Foam Gaskets: Closed-cell vinyl foam adhesive-backer strips that allow fastener penetration without foam displacement, 1/8 inch (3.2 mm) thick, in width to suit metal stud size indicated.
10. Thermal Insulation: Material indicated below, of thickness and width to fill voids formed by Z-furring members:
- a. Unfaced mineral-fiber blanket insulation to comply with ASTM C 665 for Type I.
- b. Extruded-polystyrene board insulation to comply with ASTM C 578 for Type IV, and with flame-spread and smoke-developed ratings of 75 and 450, respectively, according to ASTM E 84.

11. Polyethylene Vapor Retarder: ASTM D 4307, thickness and maximum permeance rating as follows:
- a. 4 mils (0.1 mm), 0.19 perms (10.9 ngPa x s x sq. m.)
12. Vapor Retarder Tape: Pressure-sensitive tape with adhesive formulated by vapor retarder manufacturer for sealing joints and penetrations in vapor retarder.
- 1.3 EXECUTION
- A. Install steel framing to comply with ASTM C 754 and with ASTM C 840 requirements that apply to framing installation.
1. Examine all areas and substrates including welded hollow metal frames and framing, with installer present, for compliance with requirements and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected. Comply with ASTM 840.
2. Install supplementary framing, blocking, and bracing at terminations in gypsum board assemblies to support fixtures, equipment services, heavy trim, grab bars, toilet accessories, furnishings, or similar construction.
3. Isolate steel framing from building structure at locations indicated to prevent transfer of loading imposed by structural movement.
- a. Where building structure abuts ceiling perimeter or penetrates ceiling.
- b. Where partition framing and wall furring abut structure, except at floor.
4. Do not bridge building control and expansion joints with steel framing or furring members. Independently frame both sides of joints with framing or furring members as indicated.
- B. Installing Steel Framing for Suspended and Furred Ceilings: As follows:

1. Sway brace suspended steel framing with hangers used for support.
2. Install suspended steel framing components in sizes and at spacings indicated, but not less than that required by the referenced steel framing installation standard.
3. Grid Suspension System: Attach perimeter wall track or angle where grid suspension system meets vertical surfaces. Mechanically join main beam and cross-furring members at each other and butt-out to fit into wall track.
4. For exterior soffits, install cross-bracing and additional framing to resist wind uplift according to details on Drawings.
- C. Installing Steel Framing for Walls and Partitions: Install steel studs and furring at spacings indicated.
1. Where studs are installed directly against exterior walls, install asphalt felt strips or foam gaskets between studs and wall.
2. Extend partition framing full height to structural supports or substrates above suspended ceilings, except where partitions are indicated to terminate at suspended ceilings. Continue framing over frames for doors and openings and frame around ducts penetrating partitions above ceiling to provide support for gypsum board.
3. Cut studs 1/2 inch (13 mm) short of full height to provide perimeter relief.
4. For STC-rated and fire-resistance-rated partitions that extend to the underside of floor/slab and decks or other continuous solid structure, install framing around structure, including wall openings and other members extending below floor/slab and decks, as needed, to support gypsum board doublers needed to make partitions continuous from floor to underside of solid structure. Seal construction at perimeters, openings, joints, etc. with a continuous bead of acoustical sealant in accordance with manufacturers requirements.
5. Frame door openings to comply with GA-219, and with applicable published recommendations of gypsum board manufacturer, unless otherwise indicated.
6. Frame openings other than door openings to comply with details indicated or, if none indicated, as required for door openings. Install framing below sills of openings to match framing required above door heads.
7. Install Z-furring members and thermal insulation as indicated and to comply with requirements of manufacturer's directions.

8. Install polyethylene vapor retarder where indicated to comply with the following requirements:
- a. Extend vapor retarder to activities of areas to be protected from vapor transmission. Secure in place with mechanical fasteners or adhesives. Extend vapor retarder to cover miscellaneous voids in insulated substrates, including those filled with loose mineral-fiber insulation.
- b. Seal vertical joints in vapor retarders over framing by lapping not less than 2 wall studs. Fasten vapor retarders to framing at top, end, and bottom edges, at perimeter of wall openings, and at flat joints; space fasteners 16 inches (400 mm) o.c.
- c. Seal joints in vapor retarders caused by pipes, conduits, electrical boxes, and similar items penetrating vapor retarders with vapor retarder tape.
- d. Repair any tears or punctures in vapor retarder immediately before consolidating it with the installation of gypsum board or other construction.

- D. Gypsum Board Application and Finishing Standards: Install and finish gypsum panels to comply with ASTM C 840 and GA-216.
1. Install sound-attenuation blankets, where indicated, prior to installing gypsum panels unless blankets are readily installed after panels have been installed on one side.
2. Install ceiling board panels across framing to minimize the number of abutting and joints and to avoid abutting and joints in the central area of each ceiling. Stagger abutting and joints of adjacent panels not less than one framing member.
3. Spot grout hollow metal door frames for solid-core wood doors, hollow metal doors, and doors over 32 inches (813 mm) wide. Apply spot grout at each joint anchor clip and immediately insert gypsum panels into frames.
4. Form control and expansion joints at locations in accordance with ASTM C840, or as indicated and as detailed, with space between edges of adjoining gypsum panels, as well as supporting framing behind gypsum panels.
5. Isolate perimeter of nonload-bearing gypsum board partitions at structural abutments, except floors, as detailed. Provide 1/4- to 1/2-inch (6.4- to 12.7-mm) wide spaces at these locations and trim edges with U-bead edge trim where edges of gypsum panels are exposed. Seal joints between edges and abutting structural surfaces with acoustical sealant.
6. Wood Framing: Install gypsum board panels over wood framing, with floating internal corner construction. Do not attach gypsum panels across the flat grain of wide-dimension lumber, including floor joists and headers. Fasten gypsum panels over these members, or provide control joints to construct wood shrinkage.
7. Where STC-rated gypsum board assemblies are indicated, seal construction at perimeters, behind control and expansion joints, openings, and penetrations with a continuous bead of acoustical sealant including a bead at both faces of the partitions. Comply with ASTM C 919 and manufacturer's recommendations for location of edge trim and closing off sound-flanking paths around or through gypsum board assemblies.
8. Space fasteners in gypsum panels according to referenced gypsum board application and finishing standard and manufacturer's recommendations.
- a. Space screws a maximum of 12 inches (304.8 mm) o.c. for vertical applications.
9. Space fasteners in panels that are tile substrates a maximum of 8 inches (203.2 mm) o.c.
10. Install cementitious backer units to comply with ANSI A108.11.
11. Install glass-mat, water-resistant gypsum backing board panels to comply with manufacturer's installation instructions.
12. Install water-resistant gypsum backing board panels at showers, tubs, and where indicated. Install with 1/4-inch (6.4-mm) open space where panels about other construction or penetrations.

13. Acoustical Tile Base: Where gypsum panels form the base for adhesively applied acoustical tile, install gypsum wallboard panels with tapered edges taped and finished to produce a flat surface.
14. Curved Surfaces:
- a. Install panels horizontally (perpendicular to supports) and unbroken, to extent possible, across curved surface plus 12-inch (300-mm) long straight sections at ends of curves and tangent to them.
- b. For double layer construction, fasten base layer to studs with screws 16 inches (400 mm) o.c. Center gypsum board face layer over joints in base layer, and fasten to studs with screws spaced 12 inches (300 mm) o.c.
15. Single-Layer Fastening Methods: Apply gypsum panels to supports as follows in accordance with manufacturer's installation instructions and specifications:
- a. Fasten with screws
- b. Fasten to wood supports with single nailing
- c. Fasten to wood supports with double nailing
- d. Fasten to wood supports with adhesive and supplementary nails or screws.

16. Multilayer Fastening Methods: Apply base layers of gypsum panels and face layer to base layers as follows:
- a. Fasten both base layers and face layers separately to supports with screws.
- b. Fasten base layers with screws and face layer with adhesive and supplementary fasteners.
- c. Fasten base layers to wood supports with nails and face layer with adhesive and supplementary fasteners.
- E. Direct-Bonding to Substrate: Where gypsum panels are indicated as directly adhered to a substrate (other than studs, joists, furring members, or base layer of gypsum board), comply with gypsum board manufacturer's recommendations, and temporarily brace or fasten gypsum panels until fastening adhesive has set.
- K. Exterior Soffits and Ceilings: Apply exterior gypsum soffit board panels perpendicular to supports, with end joints staggered over supports. Install with 1/4-inch (6.4-mm) open space where panels abut other construction or structural penetrations. Fasten with corrosion-resistant screws.
- G. Installing Trim Accessories: For trim accessories with back flanges, fasten to framing with the same fasteners used to fasten gypsum board. Otherwise, fasten trim accessories according to accessory manufacturer's directions for type, length, and spacing of fasteners.

1. Install cornerbead at external corners.
2. Install edge trim where edge of gypsum panels would otherwise be exposed. Provide edge trim type with face flange formed to receive joint compound, except where other types are indicated.
- a. Install LC-bead where gypsum panels are lightly abutted to other construction and back flange can be attached to framing or supporting substrate.
- b. Install L-bead where edge trim can only be installed after gypsum panels are installed.
- c. Install U-bead where indicated.
- d. Install aluminum trim and other accessories where indicated.
- e. Install control joints at locations indicated.
1. Install control joints according to ASTM C 840 and manufacturer's recommendations and in specific locations approved by Architect for visual effect.
- H. Finishing Gypsum Board Assemblies: Treat gypsum board joints, interior angles, flanges of cornerbead, edge trim, control joints, penetrations, fastener heads, surface defects, and elsewhere as required to prepare gypsum board surfaces for decoration.
1. Prefill open joints, rounded or beveled edges, and damaged areas using setting-type joint compound.
2. Apply joint tape over gypsum board joints, except those with trim accessories having flanges not requiring tape.
3. Apply joint tape over gypsum board joints and to flanges of trim accessories, except those with trim having flanges not intended for tape, as recommended by trim accessory manufacturer.
4. Levels of Gypsum Board Finish: Provide the following levels of gypsum board finish per GA-214/ASTM C240:

- a. Level 1 for ceiling plenum areas, concealed areas, and where indicated, unless a higher level of finish is required for fire-resistance-rated assemblies and sound-rated assemblies.
- b. Level 2 where panels form substrates for tile and where indicated.
- c. Level 4 for gypsum board surfaces, unless otherwise indicated.
- d. Level 5 for gypsum board surfaces, as indicated on drawings. Level 5: The highest quality finish is the most effective method to provide a uniform surface and minimize the possibility of joint photographing and of fasteners showing through the final decoration. This level of finish is required where gloss, semi-gloss or enamel are specified, or when flat joints are specified over an untextured surface, or where critical lighting conditions occur. The prepared surface shall be coated with a drywall primer prior to the application of final decoration. All joints and interior angles shall have tape embedded in joint compound and immediately wiped with a joint knife or trowel, leaving a thin coating of joint compound over all joints and interior angles. Two separate coats of joint compound shall be applied over all flat joints and one separate coat of joint compound applied over interior angles. Fastener heads and accessories shall be covered with three separate coats of joint compound. A thin silt bead of joint compound shall be trowel applied to the entire surface. Excess compound is immediately sheared off, leaving a film of skin coating of compound completely covering the paper. As an alternative to a skim coat, a material manufactured especially for this purpose may be applied. The surface must be smooth and free of tool marks and ridges. The prepared surface shall be covered with a drywall primer prior to the application of the final decoration.
5. For Level 4 gypsum board finish, embed joint in joint compound and apply first, fill (second), and finish (third) coats of joint compound over joints, angles, fastener heads, and accessories. Touch up sand between coats and after last coat as needed to produce a surface free of visual defects and ready for decoration.
6. Where Level 2 gypsum board finish is indicated, embed tape in joint compound and apply first coat of joint compound.
7. Where Level 1 gypsum board finish is indicated, embed tape in joint compound.
8. Finish exterior gypsum soffit board using setting-type joint compounds to prefill joints and embed tape, and for first, fill (second), and finish (third) coats, with the last coat being a sandable product. Smooth each coat before joint compound hardens to minimize need for sanding. Sand between coats and after finish coat.
- a. Painting exterior gypsum soffit board after finish coat has dried is specified in another Division 9 Section.
9. Finish cementitious backer units to comply with unit manufacturer's directions.

END OF SECTION 0920

#### SECTION 09300 - TILE

- 1.1 General
- A. ANSI Tile Standards: Comply with ANSI A137 Standard Specification for Ceramic Tile and ANSI 108 series of the installation standards included under "American National Standard specifications for the Installation of Ceramic Tile."
- B. TCNA Installation Guidelines: TCNA "Handbook for Ceramic, Glass and Stone Tile Installation", comply with TCNA installation methods indicated.
- C. Performance Requirements:
1. Dynamic Coefficient of Friction: For tile installed on walkways surfaces, provide products with the following values as determined by testing identical products per ASTM C1028:
- a. Level Surfaces: Minimum 0.42 dynamic coefficient of friction.
- b. Step Treads: Minimum 0.42 dynamic coefficient of friction.
- c. Ramp Surfaces: Minimum 0.42 dynamic coefficient of friction.
2. Manufacturer shall verify compliance and submit documentation for all materials installed on all walking surfaces.
- D. Submittals: With manufacturer's product data and installation instructions for the work, submit samples of each type, color, and texture of tile mounted on 12-inch-square backing with joints grouted.
- 1.2 Products
- A. Colors, Textures, and Patterns: For tile, grout, and other products requiring selection of colors, surface textures, patterns, and other appearance characteristics, comply with the following requirements:
1. Provide selections made by Architect from manufacturer's full range of standard colors, textures, and patterns for products of type indicated.
- B. Sizes and Thickness: As indicated or, if not indicated, as selected by Architect from manufacturer's standard sizes and thicknesses.
- C. Tile Grade: "Standard Grade" unless otherwise indicated.
- D. Unglazed Ceramic Mosaic Tile: Factory-ordered flat tile and as indicated on finish schedule to comply with manufacturers requirements.
- E. Glazed Ceramic Mosaic Tile: Provide factory-mounted flat tile as indicated on finish schedule to comply with manufacturer's requirements.
- F. Trim Shapes: Same material, size, color, and texture as field tile.
- G. Marble Thresholds: ASTM C503, with a minimum abrasion resistance of 10 per ASTM C1353 or ASTM C241and with honed finish.

1. Description: Uniform, fine to medium-grained white stone.
2. Description: Match Architect's sample as indicated on finish schedule.
- H. Elastomeric Sealants: Manufacturer's standard chemically cured, elastomeric sealants of base polymer indicated that comply with requirements of Division 7 Section "Joint Sealers" including ASTM C 920 as referenced by Type, Grade, Class, and Uses.
1. One-Part Midweb-Resistant Silicone Sealants: ASTM C 920, Type S, Grade NS, Class 25.
- Uses T1, T2, HT, L1, M, G, A, and O (for use in joints in traffic and nontraffic areas).
- I. Cementitious Backer Units: Proprietary backing units with glass fiber mesh reinforcing and water-resistant coating on both faces, complying with the following requirements:
1. Cement-Coated Portland Cement Panels: High-density portland cement surface coating on both faces and lightweight concrete core composed of portland cement and expanded ceramic aggregate; fabricated in panels 7/16-inch thick by 36 inches wide, weighing 3.2 - 3.8 pcf.
- J. Miscellaneous Materials: Provide the following materials as recommended by manufacturer as compatible with both tile and grout:
1. Temporary Protective Coating: Where applicable, provide protective coating to protect exposed surfaces of the against adherence of mortar and grout, as recommended by manufacturer compatible with tile and mortar/grout products.
- K. Crack Isolation Membrane:

1. General: Installing Contractor is required to field inspect substrate prior to the installation for acceptable surfaces and provide crack isolation membrane as recommended by manufacturer to achieve proper tile installation results.
2. Provide Manufacturer's standard product that complies with ANSI A118.12 for standard performance and is recommended by the manufacturer for the application where required. Include reinforcement and accessories recommended by manufacturer.
- 1.3 Execution
- A. Examine substrates, areas and conditions where tile will be installed, with installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile. Proceed with installation only after unsatisfactory conditions have been corrected.
- B. Extend the work into recesses and under or behind equipment and fixtures, to form a complete covering without interruptions, except as otherwise shown. Terminate work neatly at obstructions, edges and corners without disrupting pattern or joint alignments. Accurately form intersections and returns. Perform cutting and drilling of tile without marking visible surfaces. Carefully grind out edges of the abutting trim, finish or built-in items for straight aligned joints. Fit tile surface to electrical outlets, piping, fixtures and other penetrations so that plates, colors, or covers overlap tile.
- C. Field-Applied Temporary Protective Coating: Contractor to verify and coordinate with tile manufacturer methods to prevent adhesion or staining of exposed tile surfaces by grout and comply with manufacturers recommendations and installation instructions.
3. Protection: When recommended by the manufacturer, apply a protective coat of neutral protective cleaner to completed tile walls and floors. Protect installed tile work with kraft paper or other heavy covering during construction period to prevent damage and wear.
- D. At "wet areas," install cementitious backer units and treat joints to comply with manufacturer's instructions for type of application indicated.
- E. Installation: Comply with ANSI A108.1 and 108.4 through A108.10, as applicable for type of tile, setting materials, grout, and methods of installation indicated. Comply with manufacturer's instructions for application of proprietary materials.
1. Prohibit foot and wheel traffic from using tiled floors for at least three (3) days after grouting is completed.
- F. Joint Pattern: Use grid pattern with 1/16-inch-wide joints unless otherwise indicated. Align joints when adjoining tile on floor, base, walls and trim are the same size. Lay out tile work and center fields in

both directions within each space or on each wall area. Adjust to minimize tile cutting. Provide uniform joint widths.

- G. Expansion, Control, Contraction, and Isolation Joints: As indicated, or as in accordance with TCNA Handbook Method EJ171. Keep joints free of adhesive and grout.
1. Seal tile joints with elastomeric sealants to comply with Division 7 Section "Joint Sealers"
2. Sealing tile joints is specified in Division 7 section "Joint Sealers."
- H. Cleaning: Upon completion of placement and grouting, clean all ceramic tile surfaces so they are free of foreign matter. Use only recommended cleaners by the tile and grout manufacturer's and only after determining that cleaners are safe to use by testing on samples of the tile and other surfaces to be cleaned.
- F. Exterior Soffits and Ceilings: Apply exterior gypsum soffit board grout residue from tile as soon as possible.
2. Unglazed tile may be cleaned with acid solutions only when permitted by the tile and grout manufacturer's printed instructions but no sooner than 14 days after installation. Protect metal surfaces, cast iron, and vitreous plumbing fixtures from effects of acid cleaning. Flush surface with clean water before and after cleaning.
3. Before final inspection, remove temporary protective coating, by method recommended by coating manufacturer that is acceptable to brick and grout manufacturer. Trim and remove coating to prevent it from clogging drains.
4. Finished Tile Work: Leave finished installation clean and free of cracked, chipped, broken unbordered, or otherwise defective tile work.

#### SECTION 09305 - TILE AND STONE SETTING MATERIALS AND ACCESSORIES (ARDEX)

- Part 1 - GENERAL
- 1.1 RELATED DOCUMENTS
- A. Drawings, general provisions of the Contract, and other related construction documents such as Division 01 specifications approved by Architect for visual effect.
- 1.2 SUMMARY
- A. This Section includes materials for the preparation of substrates and materials for the installation of tile and stone finishes to include setting materials and grouts.
- B. Complete ARDEX product and system installation details are provided in their corresponding Technical Brochure available at [www.ardelexamericas.com](http://www.ardelexamericas.com).
- C. Related Sections include the following:
7. Division 09 Tile & Stone Sections
- 1.3 REFERENCES
- A. AMERICAN NATIONAL STANDARDS INSTITUTE (A.N.S.I.)

1. A-118.4 Modified Dry-Set Cement Mortar
2. A-118.1 EGP Latex-Portland Cement Mortar
3. A-118.7 High Performance Cement Grouts for Tile Installation
4. A-108.01 General Requirements for Subsurfaces and Preparations by Other Trades
5. A-108.10 Installation of Grout in Tilework
6. A-108.5 Installation of Ceramic Tile with Dry-Set Portland Cement Mortar or Latex-Portland Cement Mortar
- B. TILE COUNCIL OF NORTH AMERICA, INC.
1. Handbook for Ceramic Tile Installation
- C. INTERNATIONAL STANDARDS ORGANIZATION (ISO)
1. ISO 13007 - Ceramic Tile-Grouts & Adhesives
- 1.4 SUBMITTALS
- A. Product Data: Submit manufacturer's product data and installation instructions for each material and product used. Include manufacturer's Material Safety Data Sheets.
- B. Qualification Data: For Installer
- 1.5 DELIVERY, STORAGE AND HANDLING
- A. Deliver products in original packaging, labeled with product identification, manufacturer, batch number and shelf life.
- B. Store products in a dry area with temperature maintained between 50° and 85° F (10° and 29°C) and protect from direct sunlight.
- C. Handle products in accordance with manufacturer's printed recommendations.
- 1.6 PROJECT CONDITIONS
- A. Maintain temperature in tile areas at not less than 50°F (10°C) or more than 85°F (29°C) during installation and for at least 7 days after completion, unless otherwise indicated in the product instructions and/or in ANSI A108 installation standards.
- 1.7 WARRANTY
- The ARDEX products as specified herein qualify for the 10 year ARDEX SYSTEM ONE Extended Warranty Program.
- PART 2 - PRODUCTS
- 2.1 SETTING MORTAR
- A. Acceptable Products Manufactured by ARDEX Engineered Cements: 400 Ardex Park Drive, Alhambra, PA 15001 USA, (724) 203-5000, [www.ardelexamericas.com](http://www.ardelexamericas.com) :
1. ARDEX X 5™ Thin Set Mortar (No Substitutions)
- B. Performance and Physical Properties: Meet or exceed the following values for material cured at 70° F +/- 3°F (21° C +/- 3°C) and 50% +/- 5% relative humidity:
1. Meets or Exceeds ANSI A 118.11 & ANSI A 118.4
- 2.2 GROUT & CAULK
- A. Acceptable Products Manufactured by ARDEX Engineered Cements: 400 Ardex Park Drive, Alhambra, PA 15001 USA (724)203-5000, [www.ardelexamericas.com](http://www.ardelexamericas.com)
- ARDEX F.L™ Sanded Grout, Color: Silver Shimmer (No Substitutions)
- B. Performance and Physical Properties: Meet or exceed the following values for material cured at 70° F +/- 3°F (21° C +/- 3°C) and 50% +/- 5% relative humidity:
1. Pot Life: 30 minutes
2. Working Time: 30 minutes
3. Open to Traffic: 90 minutes
- C. ARDEX SX Caulk - color to match grout

#### SECTION 09305 - GROUTING MATERIALS AND ACCESSORIES (MAPEI)

- PART 1 - GENERAL
- A. SECTION INCLUDES
1. Grout for tile and stone.
- PART 2 - PRODUCTS
- A. MANUFACTURERS
1. Acceptable Manufacturer: MAPEI Corporation, 1144 E. Newport Center Rd., Deerfield Beach, FL 33442; USA. Toll-Free Tel: 800-992-6273; Fax: 954-246-3805; Email: [TechServiceRequests@mapei.com](mailto:TechServiceRequests@mapei.com); Web: [www.mapei.us](http://www.mapei.us)
2. Acceptable Manufacturer: MAPEI, Inc., 2900 Francis-Hughes, Laval, QC, H7L 3J5; Canada Toll-Free Tel: 1-800-361-9309; Fax: 450-901-0196. Email: [TS@vescoCA@mapei.com](mailto:TS@vescoCA@mapei.com); Web: [www.mapei.ca](http://www.mapei.ca)
- B. GROUT MATERIALS
1. Premium Cement Tile Grout: Fast-setting sanded polymer-modified grout, ANSI A118.7 and ISO 13007 "CG2WAF", Compressive Strength: When tested in accordance with ASTM C109 at 110 percent flow.
- a. Product: Subject to compliance with requirements, provide MAPEI, Kerapoxy CG.
- b. Applications: All interior and exterior tile; joints between 1/16 inch and 3/8 inch (1.5 mm and 25 mm) wide.
- d. Applications: Use for all tile for which a different grout is not specified.
2. Premium Epoxy Mortar and Grout: For grout joints from 1/16 inch to 3/8 inch (1.5 mm to 10 mm), ANSI A118.13, ISO 13007 R2 and RG, with a VOC content of 65 g/L or less when calculated according to 40 CFR 59, Subpart D.
- a. Product: Subject to compliance with requirements, provide MAPEI, Kerapoxy CG.
- b. Applications: All interior and exterior tile; joints between 1/16 inch and 3/8 inch (1.5 mm and 10 mm) wide.
- C. ACCESSORIES
1. Flexible Sealant: Professional-grade, 100%-silicone sealant specifically formulated for heavy traffic expansion and movement joints, horizontal and vertical complying with ASTM standards, store a hardness (ASTM D391), joint movement (ASTM C920), elongation at break (ASTM D412), flexibility (ASTM C724) and passes weatherability (Accelerated Weathering Tester QUV).
- a. Product: Subject to compliance with requirements, provide MAPEI, Mapeflex T.
2. Grout Release and Sealers:
- a. Acceptable Product: MAPEI, UltraCare Grout Release.
- b. Acceptable Product: MAPEI, UltraCare Penetrating SS Stone, Tile & Grout Sealer.

- END OF SECTION
- SECTION 09306 - WATERPROOFING & CRACK ISOLATION COMPOUND (ARDEX)
- PART 1 - GENERAL
- Refer to Section 09305 (Ardex) Part 1 General
- PART 2 - PRODUCTS
- A. Acceptable Products Manufactured by ARDEX Engineered Cements: 400 Ardex Park Drive, Alhambra, PA 15001 USA, (724) 203-5000, [www.ardelexamericas.com](http://www.ardelexamericas.com) :
- 2.1 ARDEX 6+9™
- A. Performance and Physical Properties: Meet or exceed the following values for material cured at 70° F +/- 3°F (21° C +/- 3°C) and 50% +/- 5% relative humidity:
1. Meets or Exceeds ANSI A 118.10 & ANSI A 118.12
1. Meets or Exceeds ANSI A 118.10 & ANSI A 118.12
3. Coats: 2
4. Dry Time: 1 hr - coat 1, 2-hr coat 2
5. Accepts Tile: Within 90 minutes
6. VOC Content: 0 g/L (calculated)
7. Flux Test: Begin 4 hours after second coat has been applied
- 22 ARDEX WA Epoxy Adhesive & Grout, Color #19 Silver Shimmer
- A. To be used in locations utilizing ARDEX 6+9 instead of sanded grout.
- B. Performance and Physical Properties: Meet or exceed the following values for material cured at 70° F +/- 3°F (21° C +/- 3°C) and 50% +/- 5% relative humidity:
- C. Meets or Exceeds ANSI A-118.3
- 2.3 ARDEX K15 & ARDEX FEATHER FINISH (UNDERLAYMENT & PATCH) as required
- 2.4 ARDEX MC™ Moisture Control Systems (RAPID or ULTRA) as required
- PART 3 - EXECUTION
- 3.1 PREPARATION

- A. Subfloors: Prepare substrate in accordance with manufacturer's instructions.
1. Prior to proceeding please refer to ANSI A 108.01 "General Requirements for Subsurface" and the TCNA's "Handbook for Ceramic Tile Installation" for detailed information. Substrate and ambient temperatures must be a minimum of 50°F (10°C).
2. All subfloors must be clean and completely free of all contaminants, including dust, oil, grease, wax, sealers, paint, varnish, etc. Prepare floor as required by mechanical means. Do not use chemicals to clean the floor.
3. Install cementitious patch and underlayment as required and in accordance with manufacturer's recommendations.
- B. Joint Preparation
1. Moving Joints - Expansion joints must be provided over existing moving joints and cracks, and where substrate materials change composition or direction per ANSI A108 A18.7. A flexible sealing compound such as ARDEX ArdSeal™ Rapid Plus may be installed.
2. Saw Cuts and Control Joints - fill all non-moving joints with ARDEX ArdFix™ Joint Filler, as recommended by the manufacturer.
- 3.2 APPLICATION OF WATERPROOFING AND CRACK ISOLATION COMPOUND
- A. Examine substrates and conditions under which materials will be installed. Do not proceed with installation until unsatisfactory conditions are corrected.
- B. Coordinate installation with adjacent work to ensure proper sequence of construction. Protect adjacent areas from contact due to mixing and handling of materials.
- C. Install Waterproofing and Crack Isolation Compound
1. Reference A-108.13 Installation of Waterproofing Membranes and A-108.17 Installation of Crack Isolation Membrane
2. Comply with manufacturer's printed instructions for mixing of material, installation, and cure. For questions, contact the ARDEX Technical Services Department at (724) 203-5000.
- D. Install Tile with Thin-Set Mortar
1. Install tiles following the general office outline procedure set forth in ANSI A108.5.
- Comply with manufacturer's printed instructions for mixing of material, installation, and cure. For questions, contact the ARDEX Technical Services Department at (724) 203-5000.
- 3.3 FIELD QUALITY CONTROL
- A. Where required, contact manufacturer for field sampling methods and procedures.
- 3.4 PROTECTION
- A. Prior to the installation of the finish flooring from abuse by other trades by the use of plywood, Masonite or other suitable protection course.



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REVIEWS:	DATE:
LL & ULTRA REVIEW	02/27/2024
BID ISSUE	02/27/2024
PERMIT ISSUE	02/28/2024
BID ADDENDUM - REVISION 1	02/29/2024
BID ADDENDUM - REVISION 2	04/18/2024
PRINT RE-SUBMITTAL - REVISION 3	05/02/2024

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SEAL: 05/02/2024



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SALEM, OR 97302

SPECIFICATIONS

DRAWN BY  
JS

CHECKED BY  
LR

JOB NUMBER  
23472

SHEET NAME  
SP5



SECTION 09510 - ACOUSTICAL PANEL CEILINGS

- 1.1 GENERAL
- A. Submittals: In addition to product data for each type of acoustical panel and suspension system required, submit the following: One set of 12-inch (300-mm)-long samples of exposed suspension system members, including moldings, for each color and system type required.
- B. Seismic Standard: In areas subject to seismic zones: Provide acoustical tile ceilings designed and installed to withstand the effect of earthquake motions according to the following:
1. Standard for Ceiling Suspension Systems Requiring Seismic Restraint: Comply with ASTM E580.
  2. Acoustical installation contractor to verify and comply with requirements of authorities having jurisdiction.
  3. UBS Standard S-2, "Metal Suspension Systems for Acoustical Tile and for Lay-in Panel Ceilings".
  4. ASCE 7, "Minimum Design Loads for Building and Other Structures," Section 5, "Earthquake Loads".
5. Special Inspections: Engage a qualified special inspector to perform the following special inspections where required by governing authority:
- a. Compliance of seismic design.

1.2 PRODUCTS

- A. Acoustical Tile Products: Subject to compliance with requirements, provide the following:
1. Suspension System and acoustic panels as listed in finish legend within drawings.
  2. Acoustical Tile Product: Provide manufacturer's standard tiles of configuration indicated that comply with ASTM E 1264 classifications as designated by type, acoustical ratings, and light reflectances, unless otherwise indicated.
  3. Mounting Method for Measuring Noise Reduction Coefficient (NRC): Type E-400 (plenum mounting in which face of test specimen is 15-3/4 inches [400 mm] away from the test surface) per ASTM E 795.
  4. Test Method for Ceiling Attenuation Class (CAC): Where acoustical tile ceilings are specified to have a CAC, provide units identical to those tested per ASTM E 1414 by a qualified testing agency.
  5. Water-Resist, Mineral-Based Tiles: Type III, Form 2 acoustical tiles per ASTM E 1264, with painted finish, complying with pattern and other requirements indicated on drawings.
  6. Wire Hangers, Braces, and Ties: Provide wires complying with the following requirements:
1. Zinc-Coated Carbon Steel Wire: ASTM A 641 (ASTM A 641M), Class 1 zinc coating, hot temper.
  2. Size: Select wire diameter so that its stress at 3 times the hanger design load (ASTM C 535, Table 1, Direct Hung) will be less than the yield stress of wire, but provide not less than 0.106-inch (2.69-mm)-diameter wire.
  3. Sheet-Metal Edge Moldings and Trim: Trim and profile indicated, or if not indicated, manufacturer's standard moldings for edges and penetrations that fit acoustical tile edge details and suspension systems indicated, formed from sheet metal of same material and finish as that used for exposed fanges and suspension system runners.

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
- a. Armstrong World Industries, Inc.
  - b. Chicago Metallic Corporation.
  - c. USG Interiors, Inc.

- F. Fire-Resistance-Rated Suspension System: Provide manufacturer's standard metal suspension systems of types, structural classifications, and finishes indicated that comply with applicable ASTM C 835 requirements.

1. Direct-Hung, Double-Web Suspension System: Main and cross runners not formed from and capped with pre-painted or electrolytic zinc-coated, cold-rolled steel sheet; other characteristics as follows:
- a. Structural Classification: Heavy-duty system.
  - b. Access: Upward, with initial access openings of size indicated or, if not indicated, as selected by Architect from opening sizes approved for the fire-resistance-rated assembly indicated. Locate initial access openings through the ceiling within each module formed by main runners and cross runners, and make additional access available through progressively remaining remaining acoustical tiles.

2. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
- a. Armstrong World Industries, Inc.
  - b. Chicago Metallic Corporation.
  - c. USG Interiors, Inc.

- G. Maintenance stock: At time of completion, provide two packages of each type of acoustic panels to owner for future replacement.

1.3 EXECUTION

- A. General: Install acoustical tile ceilings to comply with publications referenced below per manufacturer's instructions and CISCAs "Ceiling Systems Handbook."
1. Standard for Ceiling Suspension System Installations: Comply with ASTM C636/C636M.
  2. CISCAs Recommendations: per "Ceiling Systems Handbook" for Acoustical Ceilings. Comply with CISCAs "Recommendations for Direct-Hung Acoustical Tile and Lay-in Panel Ceilings."
- B. Suspend ceiling hangers as follows:
1. Secure wire hangers to ceiling suspension members and to supports above. Connect hangers either directly to structures or to inserts, eye screws, or other devices that are secure, that are appropriate for substrate, and that will not deteriorate due to age, corrosion, or elevated temperatures.
  2. Space hangers not more than 48 inches (1200 mm) o.c. along each member supported directly from hangers, unless otherwise shown; and provide hangers not more than 12 inches (200 mm) from ends of each member.
  3. Splay hangers where required to miss obstructions, offset resulting horizontal forces by bracing, counterspacing, or other equally effective means. Where width of ducts and other construction within ceiling plenum produces hanger spacing that interfere with location of hangers at spacing required to support standard suspension-system members, install supplemental suspension members and hangers in form of trusses or equivalent devices.
  3. Install edge moldings and trim of type indicated at perimeter of acoustical ceiling area and where necessary to conceal edges of acoustical tiles.
  4. Install suspension system runners so they are square and securely interlocked with one another. Remove and replace dented, bent, or kinked members.
  5. Install acoustical tiles in coordination with suspension system. Place splices or suspension system flanges into kerfed edges so that tile-to-tile joints are closed by double gip of material.

1. Fit adjoining tile to form flush, tight joints. Scribe and cut tile for accurate fit at borders and around penetrations through tile.
2. Hold tile flat in compression by inserting leaf-type, spring-steel spacers between tile and moldings, spaced at 12 inches (305 mm) o.c.
3. Fabricate access units for inspecting ceiling system access members and tile units modified as required to allow for removal of access units.
4. Clean exposed surfaces of acoustical tile ceilings, including trim and edge moldings. Comply with manufacturer's written instructions for cleaning and touch up minor finish damage. Remove and replace tiles and other ceiling components that cannot be successfully cleaned and repaired to permanently eliminate evidence of damage.

END OF SECTION 09510

SECTION 09660 - RESILIENT WALL BASE AND TILE FLOORING (ARDEX)

- 1.1 GENERAL
- A. Submittals: In addition to product data, submit the following:
1. Samples of each type, color and pattern of resilient base and floor tile.
  2. Maintenance data for resilient base and floor tile, to be included in Operation and Maintenance Manual specified in Division 1.
- B. Extra Materials: Deliver to Owner not less than one box for each 50 boxes or fraction thereof, of each class, wearing surface, color, pattern and size of resilient base and floor tile installed.

1.2 PRODUCTS

- A. Available Products: Subject to compliance with requirements, resilient floor tiles that may be incorporated into the work include, but are not limited to, the products specified in the drawings.
- B. Products: Subject to compliance with the requirements, provide one of the products specified in the drawings.
- C. Vinyl Composition Floor Tile: Products complying with ASTM F 1066, Composition 1 (nonabsorbent formulated), and with requirements specified in Vinyl Composition Floor Tile product shown on drawings.
- D. Rubber Wall Base: Products complying with FS S-W-40, Type 1, and with requirements specified in the Rubber Wall Base Product shown on the drawings.
- E. Rubber Accessories: Products complying with requirements shown on the drawings.
- F. Concrete Slab Primer: Nonslitting primer recommended by flooring manufacturer.

1. Primer: For substrates as follows:
- a. Non-porous substrates such as epoxy coating systems and metal: ARDEX P82 UltraPrime
  - b. Gypsum: ARDEX P 51 Primer
  - c. Trowelable Underlayment and Patching Compounds: Self-Drying, Cement-Based Finish Underlayment
1. Product: Subject to compliance with requirements and site conditions: ARDEX Feather Finish
- H. Adhesive (Cement): Water-resistant type recommended by the manufacturer to suit resilient floor products and substrate conditions indicated.
1. Clear VCT Floor Adhesive
- a. Product: Subject to compliance with requirements, provide HENRY 430 ClearPro
2. Cove Base Adhesive
- a. Product: Subject to compliance with requirements, provide HENRY 440 Cove Base Adhesive

1.3 EXECUTION

- A. Examine areas where installation of tile will occur, with installer present, to verify that substrates and conditions are satisfactory for the installation and comply with the manufacturer's requirements.
1. Concrete Subfloors: Verify that concrete slabs comply with ASTM F 710 before beginning installation.
  2. For wood subfloors verify that underlayment surface is free of surface irregularities and substances with potential to interfere with adhesive bond, show through surface, or stain tile.
  3. Proceed with installation only after substrate passes testing according to floor tile manufacturer's written recommendation.
- B. Preparation: Comply with manufacturer's installation specifications to prepare substrates indicated to receive tile.
- C. Installation: Comply with the manufacturer's installation directions and other requirements indicated
1. Lay out tiles from center marks beginning with principal walls, discounting minor offsets, so the widths at opposite edges of room are equal to one another and are not less than one-half of a tile.
  2. Match tiles for color and pattern by selecting tiles from cartons in same sequence as manufacturer and packaged.
- a. Lay tiles with grain running in one direction.
  - b. Lay tiles in basket weave pattern with grain direction alternating between reversed in adjacent rows.
  - c. Lay tiles in pattern with respect to location of colors, patterns and sizes as indicated in Drawings.
3. Where demountable partitions and other items are indicated for installing on top of finished tile floor, install tile before these items are installed.
4. Install metal edge strips where indicated, using countersunk stainless steel anchors.
- E. Cleaning:
1. Clean resilient tile floors after installation and 4 days prior to date scheduled for inspections intended to establish date of Substantial Completion.
  2. Apply protective polish according to floor tile manufacturer's directions.
  3. Comply with manufacturer's written instructions for cleaning, protecting and polishing floor tile.

SECTION 09720 - WALL COVERING

- 1.1 GENERAL
- 1.01 Scope - Furnish a vinyl wallcovering as specified in the contract documents.
- 1.02 Sample - Submit a sample of each type and color to be installed for the architect's approval.
- 1.03 Certificate of Compliance - Submit manufacturer's certificate that wallcovering furnished meets or exceeds the architect's specification requirements.
- 1.04 Warranties - Furnish a written warranty against defects in material or workmanship for five (5) years from the date of shipment.
- 1.05 Product Delivery Storage and Handling - Deliver vinyl wallcovering and adhesive to the job site in ultraviolet or undamaged and clearly marked with the supplier's identification label. Store vinyl wallcoverings in a flat position to avoid damage to roll ends. Store materials in a clean, dry storage area with temperature maintained above 55° F with normal humidity. DO NOT CROSS STACK THIS MATERIAL.
- 1.06 Project Conditions - Areas where wallcovering will be installed shall have a constant minimum temperature of not less than 60 °F for at least seven days prior to and throughout installation period and for seven days thereafter.

2. Products
- 2.01 Vinyl Wallcovering - Shall meet Federal Specification CCC-W084 and the CFFA-W 1011, Quality Standard for Vinyl Coated Fabric Wallcovering. The wallcovering Type I, Type II or Type III desired shall be specified. The vinyl wallcovering shall contain mildew inhibitors.
- 2.02 Vinyl Wallcovering (Protective Film) - Shall meet the requirements as listed in 2.01 and in addition have a 0.37 thick protective film factory-applied to the wallcovering surface.
- 2.03 Burning Characteristics - The manufacturer shall certify that the wallcovering is classified as follows:
- 2.04 UL Label - All products shall be UL labeled assuming compliance with all specifications and requirements through continuous inspection by UL inspectors.
- 2.05 Fire Detection Characteristics - The vinyl wallcovering shall contain the Early Warning Effect formulation which provides early warning to potential fire conditions. The vinyl wallcovering shall contain thermoparticulating ingredients which, when heated to approximately 300 °F, emit a colorless, odorless vapor that activates ionization smoke detectors when installed according to manufacturer's specifications. Evidence of the Early Warning Effect shall be based on the ASTM E603 standard guide for room fire experiments.
- 2.06 Protective Coating - The vinyl wallcovering shall have a protective coating applied to its surface to minimize migration of stains into the vinyl and, therefore, offer stain protection from a variety of staining agents and provide greater ease of cleanliness.
- 2.07 Adhesive - The adhesive used must be the manufacturer's recommended adhesive and must contain mildew inhibitors.
- 2.08 Primers - The primer used must be manufacturer's recommended primer.

3. EXECUTION

- 3.01 Inspection
- 3.02 Installation
- 3.03 Substrate Preparation
- 3.04 Wall surfaces shall be free from defects and imperfections that could show through the finished covered surface.
- 3.05 Sand-finished plaster shall be smoothed, under or cement blocks shall be plastered, or otherwise rendered smooth, and old wallcoverings shall be removed.
- 3.06 For new drywall construction, manufacturer's recommended primer should be used before application of wallcovering for areas of future removal when redecorating.
- 3.07 Glassy surfaces shall either be sanded to dull surface, or a coat of manufacturer's recommended primer applied prior to installation of wallcovering.
- 3.08 If there is any evidence of mildew, it must be removed, and the wall surface treated to inhibit further mildew growth.
- 3.09 All painted surfaces should be evaluated for the possibility of pigment bleed-through. If there is any possibility, a coat of sealer, recommended by the manufacturer, should be applied before application of the wallcovering.
- 3.10 Do not install vinyl wallcovering over oil-based wood stains as a bleed-through may occur.

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MANNINGTON QUICKSTIX LVF INSTALLATION

GENERAL

These instructions cover all fully adhered installations of Mannington Luxury Vinyl Floors (LVF) – available in both Tile (LVT) and Plank (LVP). This includes: Divergent, Nature's Path and Nature's Path Select vinyl flooring. All recommendations are based on the most recent available information. The information on these sheets provides general guidelines. For complete details consult Mannington's General Installation Guide or visit our website manningtoncommercial.com. These instructions and recommendations must be followed for a satisfactory installation.

MAKE SURE YOU INSPECT LVF PRIOR TO INSTALLATION. NO CLAIMS WILL BE HONORED IF PLANKS OR TILES ARE INSTALLED WITH VISIBLE DEFECTS. READ ALL INSTRUCTIONS PRIOR TO BEGINNING INSTALLATION.

The installation of Mannington QuickStix LVF is straightforward and similar to the installation procedures that apply to all quality LVT floors. Good preparation is essential for a trouble-free installation. Do not install Mannington QuickStix LVF until jobsite testing and subfloor preparations are finished and work of all other trades is complete. Site conditions must comply with the relevant building codes and local, state and national regulations.

- Mannington QuickStix LVF is recommended for use over properly prepared concrete, suspended wood, metal and other suitable substrates.
- Never install Mannington QuickStix LVF over residual asphalt type (Cutback) adhesive as "bleed Through" and bonding failure may occur.
- Mannington QuickStix LVF is not suitable for external installation or unheated locations.
- Mannington flooring, jobsite and subfloor must be acclimated to a stable condition before installation (See Job site testing).
- Immediate foot traffic and full use is allowed once the QuickStix LVF is completed.
- Mannington LVF flooring should remain at a temperature between 55°- 85° F (13°-29° C) during its service life.

MATERIAL RECEIVING, HANDLING & STORAGE

- Immediately remove all shrink wrapping and verify materials delivered are correct style, color and quantity.
- Report discrepancies immediately to Mannington Customer Service at 1 800 241 2262 EXT 2 Claims for installation of products installed with visual defects or incorrect style will not be honored.
- Store all materials off the floor (keep cartons flat) in a weather-tight enclosure between 55°- 100° F (13°-38° C).
- Acclimate LVF: Primer and jobsite to a stable condition between 65°- 85°F (18°- 29°C) and 50% +/- 10% RH for 48 hours before, during and after installation. Acclimate all materials onsite and off stock tile/plank cartons to a single layer keeping cartons flat. Temporary heating and cooling can be used if permanent HVAC is not operational. If a system other than the permanent HVAC source is utilized, it must provide proper control of both temperature and humidity to recommended or specific levels for the appropriate time duration.
- LVF should not be stored close to exterior walls, in direct sunlight or near HVAC vents.

JOBSITE TESTING AND CONDITIONS

- Before jobsite testing, the building envelope must be sealed (walls, roofing, windows, downways etc., installed).
- Anticipated environmental conditions must be maintained at 65°F- 85°F (18°C +/- 12°C) and 50% +/- 10% RH a minimum of 48 hours before and during testing (ASTM F 710).
- Test sites must be properly prepared and protected for the duration of testing to achieve valid results.
- Surface Flatness for all Subfloors: The surface shall be flat to 3/16" (4.7 mm) in 10 ft (3,050 mm) and 1/32" (0.3 mm) in 1 Ft. (305 mm). To check flatness, place a 10 ft straightedge, string line, laser level or use another recognized industry method on the surface to measure the undulation.
- Moisture Testing: Perform either the preferred In-situ Relative Humidity (RH) Test (ASTM F2170) or the acceptable Moisture Vapor Emission Rate (MVER) Test (ASTM F1869).
- QuickStix is warranted up to 99% RH and 15 pounds MVER when all specified requirements are met. Perform 3 tests for the first 1000 sq ft and one additional test per 1000 sq ft thereafter. All readings must be documented and stored for warranty registration.
- Alkalinity: Must test surface alkalinity (ASTM F710). Up to 12 pH is acceptable with the application of one coat of Mannington Premium Universal Primer. When pH is above 12, highly porous or light weight concrete, apply a second coat of Mannington Premium Universal Primer.
- Water Drop: Randomly check concrete subfloor for porosity using the drop water test. Place a dime size of clear water directly onto the concrete subfloor. If the water droplet does not dissipate within 60 to 90 seconds the subfloor is considered non-porous.
- Subfloor must be clean (free of dirt, sealers, curing, hardening or parting compounds or any substance that may stain or prevent adhesion), smooth, flat, sound, fit for purpose, free of movement.

MANNINGTON PREMIUM UNIVERSAL PRIMER

The use of Mannington Premium Universal Primer is required for the installation of Mannington QuickStix products. All bond warranties will be voided if the Mannington primer is not used, as required.

FOR USE ON: above and below grade concrete, gypsum, and wood substrates and all patching and leveling compounds Before the application of Mannington's primer the substrate must be prepped following ASTM F710. The floor must be flat, smooth, and free of any contaminants. Follow sub-floor condition requirements. Thoroughly clean the floor by sweeping, vacuuming, and/or mopping to remove all dust and debris.

APPLICATION: The use of a smooth napped or microfiber roller is recommended. Apply a smooth even coat of primer using slight pressure. Avoid leaving puddles or heavy roller bleed lines. Cover all areas leaving no bare or dry spots rolling in both directions. Allow the primer to completely dry. Normal dry time will vary, approximately one half hour- one hour, check for dry to the touch. If needed allow more time before installation starts and/or before applying second coat, if required. Clean up all spills or over application to walls or base while the product is wet. Use clean soapy water to remove all excess.

TIPS:

- In larger areas the use of an 18" wide roller is recommended to speed up the application process.
- Use a paint brush or small roller to cut in at the doorways and walls if necessary.
- For Non-porous substrates such as Terrazzo, Glass, Metal, and Polished Concrete, Mannington's primer is not required. Remove all wax, surface contaminants. A bond test is required.

SUBFLOOR PREPARATION

Concrete Subfloors

- Concrete subfloors must be finished and cured without additives, curing compounds, hardeners or surface treatments that may prevent proper bonding of the flooring materials (ACI 302.1 and ASTM F710).
  - Concrete subfloors shall not consist of lightweight concrete or gypsum with less than 105 lbs./cubic foot density (3300 psi). Follow ASTM F2678.
  - Below and On-grade concrete subfloors must have a suitable vapor retarder properly installed beneath the slab per ASTM E1745. Crawspaces and basements directly beneath the new floor installation should be maintained with a relative humidity +/- 10% of the room relative humidity where the flooring is installed. This can be accomplished by proper ventilation and air circulation or using a dehumidifier. Always follow manufacturers' written recommendations for the use and installation of their proprietary surface preparation materials.
  - Remove all existing floor coverings and adhesives/underlaid, marking paint, permanent markers, crayons, and all other potential stains from the concrete surface before installing new flooring. Never mark the back of the flooring. Removal of old adhesives must be performed by mechanical means: scraping, scarifying, grinding, shot/blast blasting, etc. The use of adhesive removers or solvents in the slab/ment or removal of existing or old adhesives is prohibited and will void all warranties. Contact Mannington Commercial for needed procedures.
  - Expansion joints, isolation joints, or other moving joints are incorporated into concrete floor slabs in order to permit movement without causing random cracks in the concrete. These joints must be honed and not be filled with underlayment products or other materials, and floor coverings must not be laid over them. Expansion joint covering systems should be detailed by the architect or engineer based upon intended usage and aesthetic considerations.
  - Leveling and Patching: Surface cracks, grooves, depressions, control joints or other non-moving joints, and other irregularities shall be filled or smoothed with high quality Moisture Resistant Portland cement based patching or underlayment compound. Caution: Do not lightly skim coat highly polished or slick power troweled concrete surfaces. A thin film of floor patch will not bond to a slick subfloor and may become a bond breaker causing tiles to release at the interface of the subfloor and patching material.
  - Always follow manufacturers' written recommendations for the use and installation of their appropriate surface preparation material.
- NOTE: It is not recommended to install QuickStix LVF over concrete slabs with a history of hydrostatic conditions. Mannington also will not assume responsibility for floor covering failure due to hydrostatic pressure or moisture vapor emission exceeding The requirements set forth. The final responsibility for determining if the concrete is dry enough for installation of the flooring lies with the floor covering installer.

Wood

- All wood substrates must be primed with Mannington Premium Universal Primer.
- Wood subfloors require an underlayment (double layer construction) with a minimum total thickness of 1/2" (12 mm). Use minimum 1/4" (6 mm) thick APA rated "underlayment grade" plywood with a fully sanded face or other underlayment panel that is appropriate for the intended usage. Install and prepare panels and seams according to the manufacturers' instructions.
  - Wood Subfloors and underlayment panels shall have the moisture content tested using a suitable wood pin meter. Readings between the wood subfloor and underlayment panel should be within 3% and have a maximum moisture content of 14% or less.
  - Many times wood panel subfloors are damaged during the construction process or are not underlayment grade. These panels must be covered with an appropriate underlayment. Underlayment panels are intended to be used to provide a smooth surface on which to adhere the finished floor covering. It should be understood that underlayment panels cannot correct structural deficiencies.
  - Panel intended to be used as underlayment should be specifically designed for this purpose. These panels should have a minimum thickness of 1/4". Any panels selected as an underlayment must meet the following criteria:
    - Be dimensionally stable
    - Have a smooth, fully sanded face so grinding or texture will not telegraph through
    - Be resistant to both static and impact indentation
    - Be free of any surface components that may cause staining such as plastic fillers, marking inks sealers, etc.
    - Be of uniform density, porosity and thickness
    - Have a written warranty for suitability and performance from the panel manufacturer or have a history of proven performance
  - Any unevenness at the joints between panels must be sanded to a level surface. Gaps between panels, hammer indentations, and all other surface irregularities must be filled and sanded.
  - Particleboard, chipboard, construction grade plywood, any hardboard and flake-board are not recommended as underlayment. All have inadequate uniformity, poor dimensional stability, and variable surface porosity. Mannington LVT Floors will not accept responsibility for adhered installation over these substrates. QuickStix LVF can be installed over all wood and wood composition panels provided that they are smooth, flat, structurally sound and free of deflection. If the surface of the subfloor is not smooth, a 1/4" underlayment should be installed over the subfloor. In all cases, the underlayment manufacturer or underlayment installer is responsible for any underlayment warranties.

Existing Floor Covering

To achieve maximum product performance it is always best to remove existing floor covering and prepare the substrate before installing new products in commercial settings. Existing flooring can adversely affect the performance properties of the new flooring, such as indentation or adhesive bond. It is the floor covering retailer's or installer's responsibility to determine if the existing resilient floor covering is suitable as an under floor for installation. If there is any doubt about the suitability of the existing floor, remove it or cover it with an appropriate underlayment.

The existing resilient flooring should meet the following conditions:

- Be fully adhered (full-spread) and well bonded to a suitable substrate
- Consist of a single layer only
- Be free of all evidence of alkaline salts, hydrostatic pressure, or moisture from the substrate
- Not be a foam-backed or thickly cushioned product
- Not be a perimeter-fastened or loose-laid product
- Not be asphalt tile, self-stick tile, rubber tile, or surface containing residual asphalt-based adhesives

LAYOUT: Layout shall be specified by end user, architect or designer.

- Establish center marks and determine start point to balance installation in room and have equal tile widths on opposite sides of room. This can be facilitated by dry laying tiles and marking base lines.
- Install rows to chalk line making sure tiles are precisely aligned with chalk line and adjacent tiles. Start straight and stay straight.
- Pre-cut all wall and trim pieces before the removal of the protective paper. When all preparatory work is satisfactorily completed, including dry fitting or tiles (if applicable), proceed with installation. Inspect each tile for visual defects before installing.

INSTALLATION PROCEDURES

Before starting the installation of the Mannington QuickStix LVF, insure the previous preparations have been accomplished. Start of flooring installation indicates acceptance of current subfloor conditions and full responsibility for completed work. Acclimation: Acclimate tiles (keep cartons flat), adhesive, jobsite and subfloor to a stable condition between 65°- 85° F (18°-29° C) and 50% +/- 10% RH for a minimum of 48 hours before and after installation.

Mannington LVF products have arrows imprinted on the back. Lay all arrows pointing in the same direction. Mannington LVF comes in plank and square tile formats. Mannington LVF can be laid out to run either parallel or diagonal to the room or primary wall. Tiles should be installed running in the same direction (block or staggered), when quarter turned, arrows should alternate. Plank flooring should have end joints offset by at least 6" and staggered to create a random appearance that avoids alignment of end joints. (All arrows should be pointing in the same direction).

- Flooring Materials: Check quantities of Mannington LVF are sufficient for area to be installed. Check tile for visual defects before installation. Installation of flooring acknowledges acceptance of materials.
- Inspect Substrate: Make sure all surfaces to be covered are completely clean, dry and smooth and that all necessary subfloor preparation has been properly completed and documented.
- Determine Layout and chalk starting lines
- Start installing LVF by peeling QuickStix protective film and adhering the tile / plank, keeping the LVF straight to the pre marked lines. Keep each section of the subfloor free of debris, dust etc. as you install.
- Make all wall and doorway cuts before removing the protective film. Place a directional arrow on the back of all cut pieces.
- To properly align the product install the plank butt short seam first making sure to fit the inside corner first, then slightly filling the plank along the length with the sides touching and making the contact with the substrate fit into place. Do not apply or rub the plank if the tile/plank is out of place. Readjustment will be difficult once the adhesive has made contact with the substrate.
- Make all finish cuts. Always leave the protective film on the product during the cutting stage. A good practice is to use a separate plank with the protective films touching as a cutting base to prevent cutting damage to the floor and keeping the adhesive film from transferring.
- Continue with the installation. Covering the entire floor.
- The floor must be rolled in both directions using a 100 lb 3-section roller. Roll the floor as soon as conditions permit. Roll floor again 90 degrees to the first row to assure good transfer of QuickStix adhesive to the substrate.
- Clean up all debris as you work. Caution not to allow the adhesive film to make contact with the newly installed flooring surface. Clean up immediately to keep from attracting dirt.
- Immediate foot traffic and point and rolling loads can be utilized after installation.
- Wait 5 days after installation before washing finished floor.
- Adjacent Surfaces Protection: Protect adjacent work areas and finish surfaces from damage during product installation.
- Flooring Protection: Mannington LVF should be the last material installed to prevent other trades from disrupting the installation or damaging the floor.

Helpful Tips

- When making wall/ind cuts on the LVF a guideline cutter similar to a Bullet tool cutter is recommended
- Always leave protective film on when making cuts.
- If needed, when placing the tile/plank, the use of a slight mist of water on the substrate will help in adjusting the product. Use clean water, the spray bottles can be purchased from your local hardware store.
  - Do not allow the adhesive film to make contact with the walls, baseboards or any other object except the intended sub-floor. Clean all areas with the appropriate adhesive remover.
  - Dispose of release paper as you install, keeping immediate work area clean.
  - Keep cut pieces and scrap flooring off installed surface. Adhesive residue on flooring surface can appear as visible scuffs as it attracts dirt.
  - Any adhesive residue on flooring surface can be easily removed using a cloth dampened with mineral spirits or denatured alcohol. Never pour cleaning agent directly onto the LVF. Always apply to a clean white cloth first.

SPECIAL CONSIDERATIONS

- Radiant Heat: Mannington Commercial LVF can be installed over Radiant heating (hydroponic) systems. The maximum temperature of the subfloor surface must not exceed 85°F (29°C). Before installing flooring products over newly constructed radiant-heating systems, operate the system at maximum capacity to force any residual moisture from the cementitious topping of the radiant-heating system. The heat must be turned off 48 hours before, during and 48 hours after installation on new and existing systems.
- Direct Sunlight: Installations in areas where there is direct sunlight exposure for long periods of time should utilize window treatments prior to and during the installation, and for 48 hours after the installation.
- Concrete Curing, Sealing, Hardening or Parting Compounds: Mannington recommends wet curing concrete for 7 days if at all possible to avoid the use of Curing, Sealing, Hardening or Parting Compounds which may cause installation failures.
- Protecting New Installations: New Installations should be protected from all construction or trade dust and debris with proper floor protection.

MAINTENANCE

- For detailed recommendations, see the Mannington Maintenance Instructions.
- Use non-staining matting system at exterior doors that is appropriate for soil load and weather conditions.
- Use appropriate floor protectors, glides and wheels and do not drag or slide objects across the surface of the floor.
- Do not use abrasive cleaners that can scratch the floor surface or detergent cleaners that leave a residue.

REPAIRS

Damaged planks/tiles can be removed and replaced. Identify the problem area, and make sure there is matching replacement material.

- Use a sharp utility knife to cut the existing LVF out. Work from the edges in, careful not to damage adjacent flooring.
- Pry in the center of the damaged plank to pull the pieces out. (you may find it helpful to cut into smaller strips, for easier removal)
- Scrape the area clean removing all adhesive film, and debris.
- Patch and prime the area if necessary.
- Remove release paper, insert new LVF, and then roll the replacement area ensuring a tight bond.

THIS SHEET IS BEING PROVIDED FOR REFERENCE ONLY AS A CONVENIENCE TO THE CONTRACTOR. THIS SHEET CONTAINS THE MANUFACTURER SPECIFIC WRITTEN INSTALLATION INSTRUCTION. NO PART OF THIS SHEET IS THE RESPONSIBILITY OF THE ARCHITECT. COORDINATE ALL INSTALLATION REQUIREMENTS WITH MANUFACTURER.



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PERMIT ISSUE	02/28/2024
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VINYL FLOOR TILE PREP.  
INSTALLATION AND  
PROTECTION GUIDELINES

DRAWN BY	JS
CHECKED BY	LR
JOB NUMBER	23472
SHEET NAME	SP7



DESIGN LOADS AND GENERAL NOTES

DESIGN LOADS	
1. BUILDING CODE	2022 OREGON STRUCTURAL SPECIALTY CODE (WITH LOCAL AMENDMENTS)
2. RISK CATEGORY	II
3. MINIMUM ROOF LIVE LOAD	20 PSF
4. GROUND SNOW LOAD	20 PSF
5. WIND	
A. BASIC WIND SPEED, (3-SEC GUST) Vult	98 MPH
B. EXPOSURE CATEGORY	C
6. SEISMIC	
A. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS, S <sub>0</sub>	0.819
B. MAPPED SPECTRAL RESPONSE ACCELERATION PARAMETERS, S <sub>1</sub>	0.414
C. SITE CLASS (ASSUMED)	D

GENERAL NOTES  
GENERAL

- THE SIZE AND LOCATION OF EQUIPMENT PADS AND PENETRATIONS THROUGH THE STRUCTURE FOR MECHANICAL, ELECTRICAL AND PLUMBING WORK SHALL BE COORDINATED WITH THE APPROPRIATE CONTRACTOR(S). PENETRATIONS SHALL BE SUBJECT TO APPROVAL BY THE ARCHITECT/ENGINEER.
- STRUCTURAL ELEMENTS ARE NON-SELF SUPPORTING AND REQUIRE INTERACTION WITH OTHER ELEMENTS FOR STABILITY AND RESISTANCE TO LATERAL FORCES. FRAMING AND WALLS SHALL BE TEMPORARILY BRACED BY THE CONTRACTOR UNTIL PERMANENT BRACING, FLOOR AND ROOF DECKS, AND WALLS HAVE BEEN INSTALLED AND CONNECTIONS BETWEEN THESE ELEMENTS HAVE BEEN MADE.
- STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE AND DO NOT INDICATE THE METHOD OF CONSTRUCTION, UNLESS NOTED OTHERWISE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE MEANS, METHODS, TECHNIQUES, SEQUENCES, AND OPERATION OF CONSTRUCTION AND SAFETY PRECAUTIONS AND PROGRAMS INCIDENTAL THERETO.
- ARCHITECTURAL, MECHANICAL AND ELECTRICAL COMPONENTS AND SYSTEMS SHALL BE DESIGNED AND CONSTRUCTED TO RESIST SEISMIC FORCES AS DETERMINED IN CHAPTER 13 OF ASCE 7.
- CONTRACTOR IS RESPONSIBLE FOR STRUCTURAL INTEGRITY AND STABILITY OF EXISTING STRUCTURE DURING DEMOLITION AND NEW CONSTRUCTION. CONTRACTOR SHALL RETAIN THE SERVICES OF A PROFESSIONAL ENGINEER REGISTERED IN THE PROJECT STATE TO DESIGN TEMPORARY SHORING AS REQUIRED.
- VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF STRUCTURAL ITEMS. IF ANY DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT EXISTS IN THE FIELD, CONTACT THE ARCH/ENGR. OF RECORD TO DETERMINE WHAT SHOULD BE DONE TO MATCH EXISTING CONDITIONS AS REQUIRED. BEGINNING OF STEEL FABRICATION MEANS ACCEPTANCE OF EXISTING CONDITIONS.
- DIMENSIONS AND DETAILS OF THE EXISTING STRUCTURE ARE BASED UPON DOCUMENTS PROVIDED BY THE OWNER (PRELIMINARY FIELD SURVEY). THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS AND REPORT TO THE ENGINEER ANY VARIATIONS FROM THE DATA SHOWN HEREIN FOR POSSIBLE REDESIGN.
- BEFORE OR CONCURRENT WITH EXCAVATIONS FOR THE FOUNDATIONS ADJACENT TO THE EXISTING BUILDING, PROVIDE ADEQUATE SUPPORT TO THE EXISTING SUBBASE OF THE EXISTING SLAB AND THE FOUNDATIONS TO PREVENT UNDERMINING.
- DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT, THE CONTRACTOR SHALL PROVIDE ADEQUATE FIRE PROTECTION TO THE EXISTING STRUCTURE AND CONTENTS.
- USE ONLY DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE DRAWINGS OR USE ANY DIMENSIONS TAKEN FROM ELECTRONIC DRAWING FILES.
- ASSUME EQUAL SPACING IF NOT INDICATED ON DRAWINGS.

WOOD FRAMING

- WOOD FRAMING SHALL MEET THE FOLLOWING MINIMUM STRESS PROPERTIES UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS
  - DOUGLAS FIR LARCH #1 OR BETTER, PER 2015 NDS
    - F<sub>b</sub> = 1000 PSI (SINGLE MEMBER USE)
    - F<sub>t</sub> = 675 PSI
    - F<sub>c</sub> = 1500 PSI (PARALLEL TO GRAIN)
    - F<sub>c</sub> = 625 PSI (PERPENDICULAR TO GRAIN)
    - F<sub>v</sub> = 180 PSI (PARALLEL TO GRAIN)
    - E = 1,700,000 PSI
- PROVIDE SIMPSON STRONG-TIE CONNECTORS (800-999-5099, WWW.STRONGTIE.COM FOR WOOD FRAMING CONNECTING TO SUPPORTING MEMBERS, USE STRONG-TIE CONNECTORS AND NAILS OF APPROPRIATE SIZE AND CAPACITY FOR THE SUPPORTED MEMBER AND INSTALL ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
- INSTALL ROOF SHEATHING WITH THE LONG DIMENSION OF THE PANEL PERPENDICULAR TO SUPPORTS UNLESS NOTED OTHERWISE IN CONTRACT DOCUMENTS, AND WITH PANEL CONTINUOUS OVER TWO OR MORE SPANS. STAGGER END JOINTS.
- ALL ROOF SHEATHING SHALL BE APA RATED EXPOSURE 1 SHEATHING WITH A MINIMUM THICKNESS OF 15/32 INCH, DOC PS-1 OR PS-2, WITH A SPAN RATING OF AT LEAST 32/16 NAILED WITH 8d GALVANIZED COMMON NAILS AT 6" O.C. AT PANEL EDGES AND 12 INCHES ON CENTER AT INTERMEDIATE SUPPORTS. 8d NAILS SHALL HAVE 1 3/8 INCH MINIMUM PENETRATION INTO SUPPORTING FRAMING.
- INSTALL ALL JOISTS AND BEAMS "CROWN UP".
- ALL JOISTS SHALL HAVE DIAGONAL BRIDGING OR FULL DEPTH BLOCKING AT 10'-0" ON CENTER MAXIMUM ALONG THE SPAN AND AT SUPPORTING BEAMS OR WALLS. UNO
- CUTTING, BORING OR NOTCHING OF FRAMING MEMBERS, IF REQUIRED, SHALL CONFORM TO THE LIMITATIONS PRESCRIBED BY THE INTERNATIONAL BUILDING CODE AND MAY BE DISALLOWED FOR SOME FRAMING MEMBERS BY THE ENGINEER-OF-RECORD.
- REFER TO THE BUILDING CODE TABLE 2304.9.1 FOR MINIMUM FASTENING CRITERIA. ALL NAILS TO BE COMMON WIRE SIZE.
- MOISTURE CONTENT OF ALL WOOD MEMBERS SHALL NOT EXCEED 15%.

REQUIRED SPECIAL INSPECTIONS

IN ADDITION TO THE REGULAR INSPECTIONS REQUIRED BY SECTION 110, THE FOLLOWING ITEMS WILL ALSO REQUIRE SPECIAL INSPECTION IN ACCORDANCE WITH SECTION 1705 OF THE 2022 OREGON STRUCTURAL SPECIALTY CODE.

ITEM	SECTION
STEEL CONSTRUCTION	1705.2
POST INSTALLED ANCHORS	(PERIODIC 1705)

DURING WELDING OR ANY OTHER CONSTRUCTION ACTIVITY THAT GENERATES SPARKS OR INTENSE HEAT, THE CONTRACTOR SHALL PROVIDE ADEQUATE FIRE PROTECTION TO THE EXISTING STRUCTURE AND CONTENTS, AS A MINIMUM:

- REMOVE COMBUSTIBLE MATERIALS FROM AREAS OF WELDING AND SPARKS.
- PROVIDE FIRE PROOF BLANKETS AND SHIELDS TO CONTAIN SPARKS WHERE COMBUSTIBLE MATERIALS CANNOT BE REMOVED.
- PROVIDE A FIRE SAFETY OBSERVER WITH A FIRE EXTINGUISHER ON BOTH THE ROOF AND BELOW THE ROOF DURING WELDING NEAR THE ROOF STRUCTURE.

5 NOT USED  
SCALE: 3/4" = 1'-0"

4 NOT USED  
SCALE: 3/4" = 1'-0"

3 NOT USED  
SCALE: 3/4" = 1'-0"

2 NOT USED  
SCALE: 3/4" = 1'-0"

1 NOT USED  
SCALE: 1/4" = 1'-0"



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GENERAL NOTES

△

DRAWN BY	NML
CHECKED BY	CRS/DLS
JOB NUMBER	23472
SHEET NAME	S1



## FIELD VERIFICATION NOTE

VERIFY ALL DIMENSIONS IN THE FIELD PRIOR TO FABRICATION OF STRUCTURAL ITEMS. EXISTING PORTION OF PLANS ARE FROM LIMITED EXISTING DRAWINGS, WHICH MAY OR MAY NOT REFLECT ACTUAL AS-BUILT CONDITIONS OR DIMENSIONS. IF ANY DISCREPANCIES ARE FOUND BETWEEN WHAT IS SHOWN ON THE PLANS AND WHAT EXISTS IN THE FIELD, CONTACT ARCHITECT AND ENGINEER TO DETERMINE WHAT SHOULD BE DONE TO MATCH EXISTING CONDITIONS AS REQUIRED. BEGINNING OF STEEL FABRICATION MEANS ACCEPTANCE OF EXISTING CONDITIONS. REF GENERAL NOTES.

(E) - DENOTES EXISTING  
(N) - DENOTES NEW  
FV - DENOTES FIELD VERIFY  
XXK - JOIST  
WXX - WIDE FLANGE  
RTU - DENOTES NEW RTU IN EXISTING RTU LOCATION

RGLA

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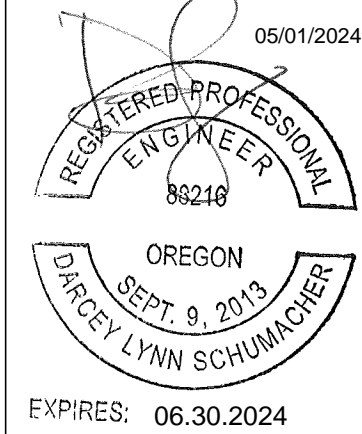
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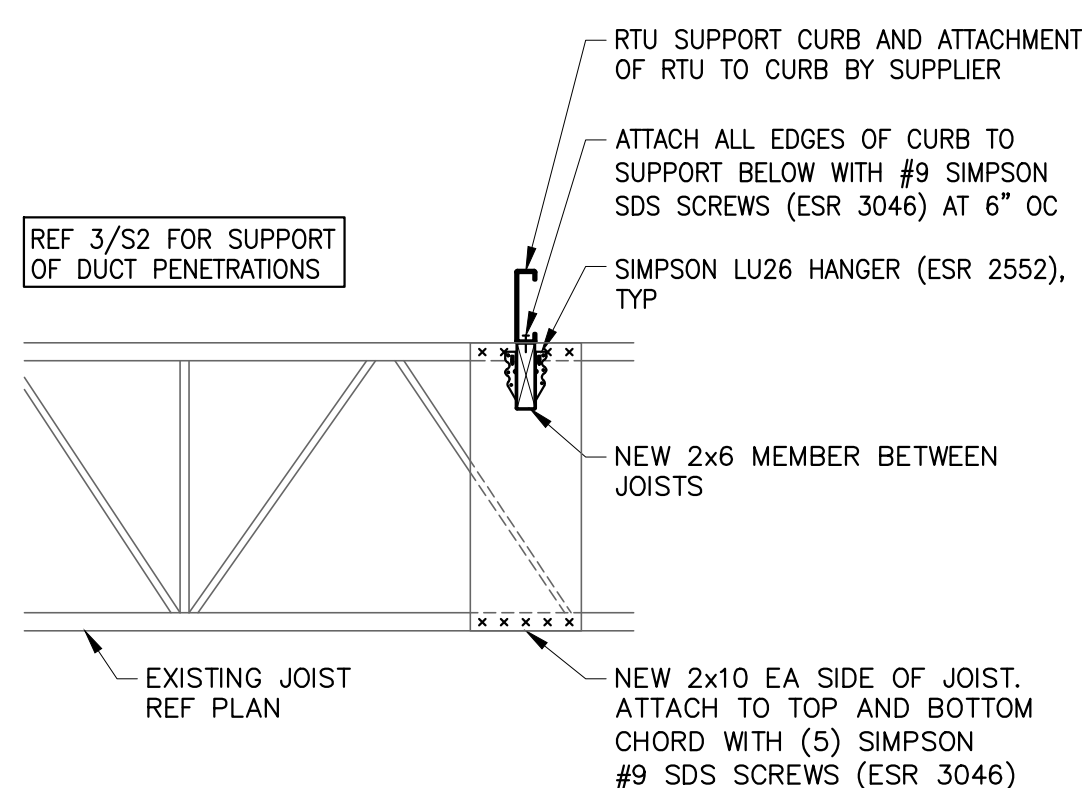
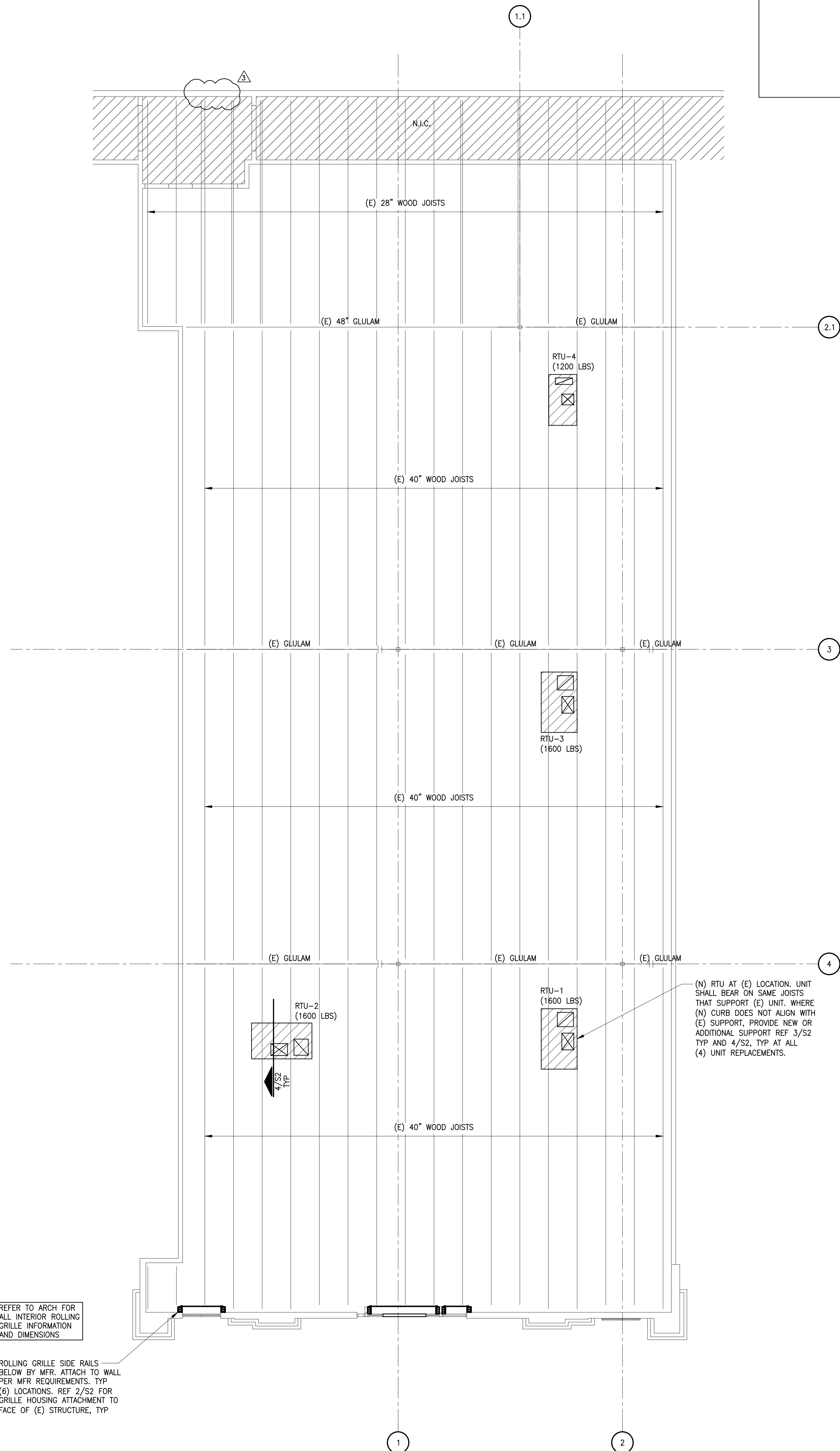
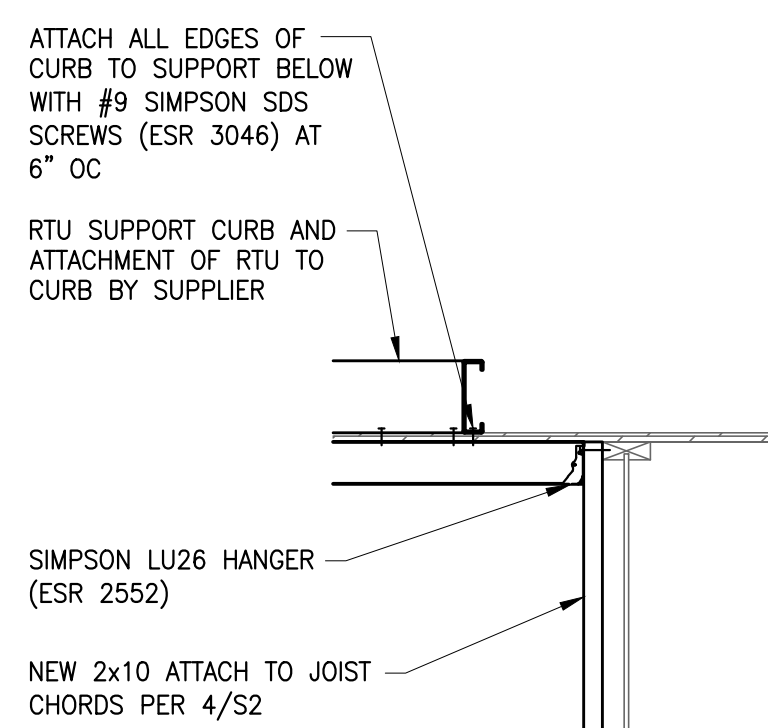
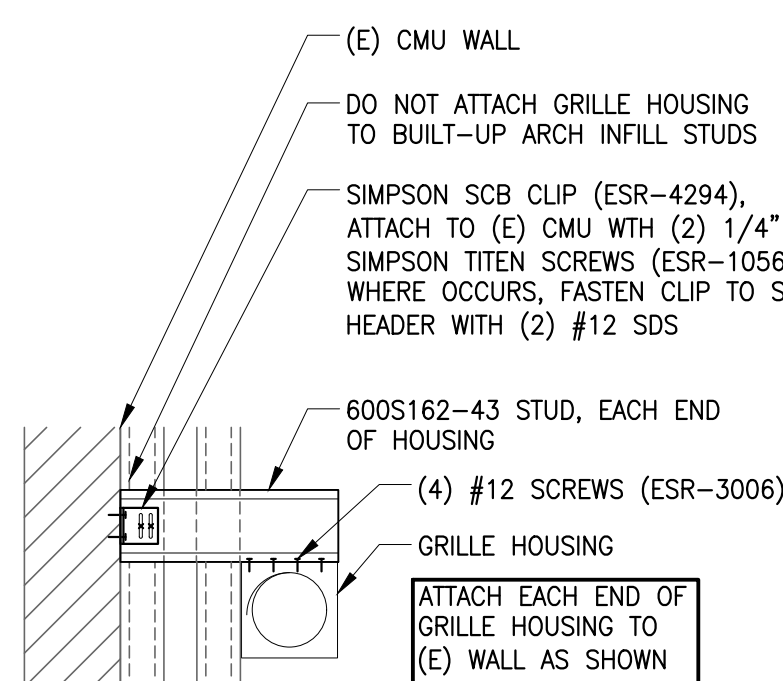
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**ULTA BEAUTY**

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## FRAMING PLAN AND DETAILS

DRAWN BY	NML
CHECKED BY	CRS/DLS
JOB NUMBER	23472
SHEET NAME	S2

4 RTU FRAMING SECTION  
SCALE: 3/4"=1'-0"3 OPENING LARGER THAN 10x10  
SCALE: 3/4"=1'-0"2 GRILLE HOUSING CONNECTION  
SCALE: 3/4"=1'-0"

REFER TO ARCH FOR ALL INTERIOR ROLLING GRILLE INFORMATION AND DIMENSIONS

ROLLING GRILLE SIDE RAILS BELOW BY MFR. ATTACH TO WALL PER MFR REQUIREMENTS. TYP (6) LOCATIONS. REF 2/S2 FOR GRILLE HOUSING ATTACHMENT TO FACE OF (E) STRUCTURE. TYP

1 EXISTING FRAMING PLAN  
SCALE: 1/8"=1'-0"