

I2C MRI INSTALLATION - LAB 5 FIT-OUT
ADDRESS: 461 BURROUGHS ST.
DETROIT, MI. 48202

Wayne State University



I2C MRI Installation - Lab 5 Fit-Out

461 Burroughs St.
Detroit, MI 48202

Addendum 2

09/05/2019

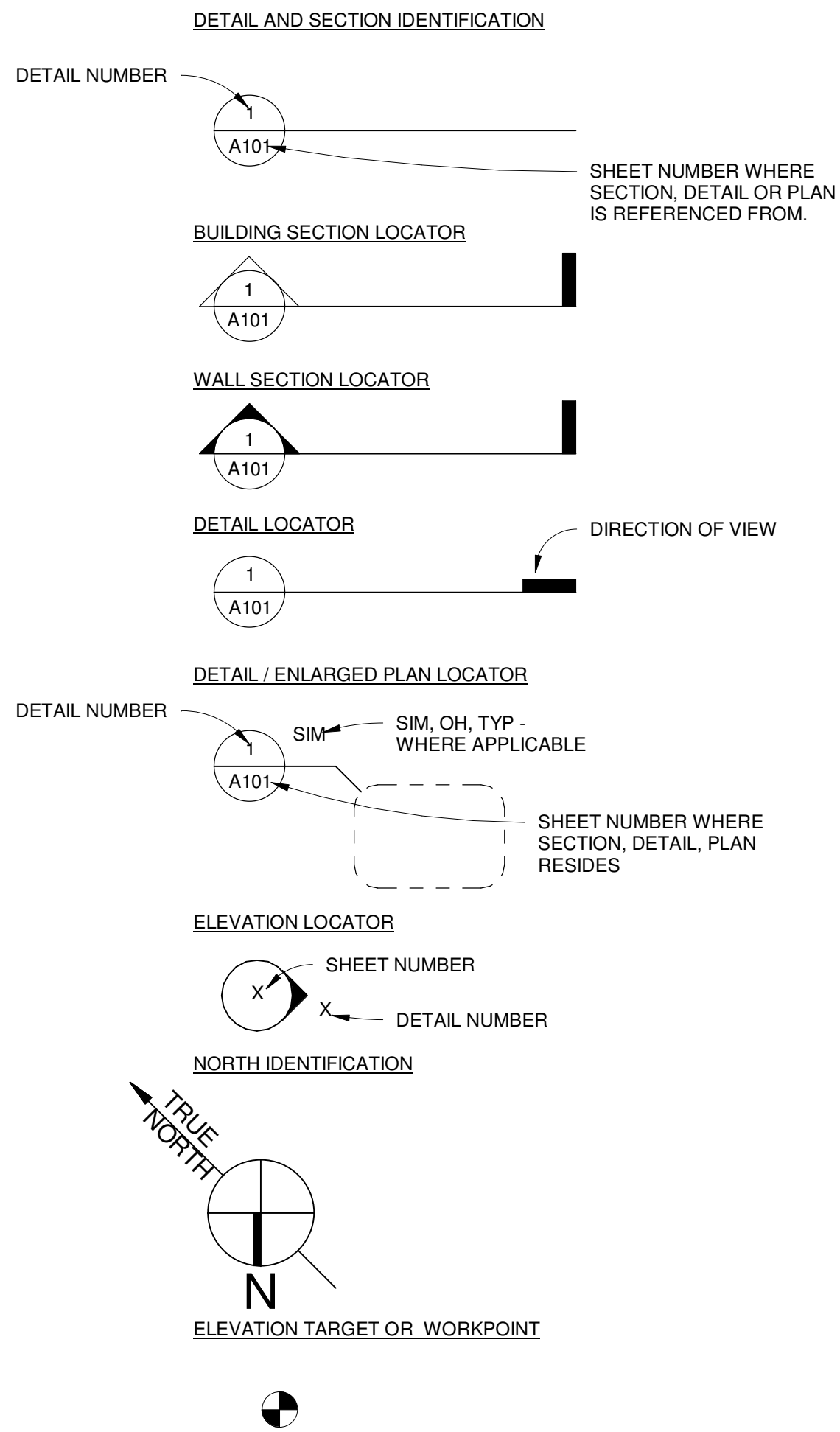
HED

2017-03497-000
Client's Project Number: 212-313128

MATERIAL DESIGNATION LEGEND

MATERIAL	
EARTH	
SAND FILL	
FILL	
CONCRETE	
BRICK	
CONCRETE MASONRY UNIT	
SOLID CONCRETE MASONRY UNIT WITH FILLED CORES	
STONE	
METALS	
WOOD BLOCKING, NAILER ETC. (CONTINUOUS)	
WOOD BLOCKING, INTERRUPTED OR SHIMS	
FINISH WOOD	
PLYWOOD OR PARTICLE BOARD	
PLASTIC LAMINATE ON PLYWOOD	
RIGID INSULATION	
BLANKET OR BATT INSULATION	
SPRAYED-ON INSULATION OR FIREPROOFING	
GASKET MATERIAL OR JOINT FILLER	
SEALANT W/ BOND BREAK TAPE	
SEALANT W/ BACKER ROD	
GYPSUM BOARD OR PLASTER	

REFERENCE SYMBOLS



TENANT SPACE OCCUPANT LOAD PER AREA/USE

EXISTING BUILDING SQUARE FOOTAGE	
(E) MEZZANINE	4,833 S.F.
(E) BUSINESS (OFFICE + SHOWROOM)	8,238 + 4'535 = 12,773 S.F.
(E) AUDITORIUM (ASSEMBLY)	3,695 S.F.
(E) LABORATORY (FACTORY)	23,522 S.F.
TOTAL FLOOR AREA	44,823 S.F. (NO CHANGE TO (E) FLOOR AREA)
USE GROUP CLASSIFICATION MIXED USE "A-3 / B / F-1"	
TYPE OF CONSTRUCTION	IIB (FULLY SPRINKLERED)
HEIGHT & STORY	1-STORY W/ MEZZANINE
TOTAL (E) OCCUPANTS 500 OCCUPANTS (NO CHANGE OF USE, NO CHANGE TO EXISTING OCCUPANT LOAD)	
AREA OF SCOPE OF WORK	
LAB - 5	909 S.F. / 100 = 9 OCCUPANTS (NO CHANGE OF USE)

PLAN REVIEW DATA - EXISTING LAB 5 - 105

BUILDING CODE 2015 MICHIGAN REHABILITATION FOR EXISTING BUILDINGS	FIRE ALARM 2013 NFPA 72	ALTERATION LEVEL 2015 MICHIGAN REHABILITAION BUILDING CODE FOR EXISTING BUILDINGS
PLUMBING CODE 2015 MICHIGAN PLUMBING CODE INCORPORATING THE 2015 EDITION OF THE INTERNATIONAL PLUMBING CODE.	FIRE SUPPRESSION SYSTEM 2013 NFPA 13 - FULLY SPRINKLERED	ALTERATION LEVEL 2 (SECTION 504.1): LEVEL 2 ALTERATIONS INCLUDE THE RECONFIGURATION OF SPACE, THE ADDITION OR ELIMINATION OF ANY DOOR OR WINDOW, THE RECONFIGURATION OR EXTENSION OF ANY SYSTEM, OR THE INSTALLATION OF ANY ADDITIONAL EQUIPMENT.
MECHANICAL CODE 2015 MICHIGAN MECHANICAL CODE INCORPORATING THE 2015 EDITION OF THE INTERNATIONAL MECHANICAL CODE.	ACCESSIBILITY ICC/ANSI A117.1-2009 ADA STANDARD FOR ACCESSIBILITY DESIGN 2010	PLUMBING FIXTURE COUNT PER 2015 MICHIGAN REHABILITAION BUILDING CODE FOR EXISTING BUILDINGS SECTION 810 PLUMBING: WHERE THE OCCUPANT LOAD OF THE STORY IS INCREASED BY MORE THAN 20 PERCENT, PLUMBING FIXTURES FOR THE STORY SHALL BE PROVIDED IN QUANTITIES SPECIFIED IN THE INTERNATIONAL PLUMBING CODE BASED ON THE INCREASED OCCUPANT LOAD.
ELECTRICAL CODE 2014 NATIONAL ELECTRICAL CODE AS AMENDED BY MICHIGAN BUREAU OF CONSTRUCTION CODE RULES, ELECTRICAL CODE RULES PART 8, 2014.	ENERGY 2015 MICHIGAN ENERGY CODE ANSI/ASHRAE/IES STANDARD 90.1-2013	OCCUPANT LOAD OF THE STORY UNDER PROJECT SCOPE (WITHIN EXISTING 1ST FLOOR AREA) REMAINS NO CHANGE. NO CHANGE TO THE PLUMBING FIXTURE COUNT.
LIFE SAFETY CODE STATE OF MICHIGAN, DEPARTMENT OF CONSUMERS AND INDUSTRY SERVICES, BUREAU OF FIRE SERVICES STATE FIRE SAFETY BOARD NEW AND EXISTING SCHOOL, COLLEGE AND UNIVERSITY FIRE SAFETY RULES USING THE 2012 EDITION OF NFPA 101 LIFE SAFETY CODE WITH MICHIGAN AMENDMENTS		

GENERAL DRAWING LIST		
Sheet Number	Sheet Name	Sheet Issued For
G-000	Title Sheet	Addendum 2
G-001	Drawing List	Addendum 2

ARCHITECTURAL DRAWING LIST		
Sheet Number	Sheet Name	Sheet Issued For
A-101	Detail Demolition, Lab Fit-Out and RCP plans	Addendum 2
A-161	Equipment and Finishes Plan	Addendum 2
A-571	Gypsum Board Partition Types	Addendum 2
A-581	Casework/Millwork Details	Addendum 2
A-601	Door Schedule / Types and Details	Bids / Permits

STRUCTURAL DRAWING LIST		
Sheet Number	Sheet Name	Sheet Issued For
S-101	Framing Plan & Details	Bids / Permits
S-102	Roof Framing Plan & Details	Bids / Permits

MECHANICAL DRAWING LIST		
Sheet Number	Sheet Name	Sheet Issued For
M-1	Mechanical Combined Plans Demo + New Work	Addendum 2
M-2	Mechanical Details	Bids / Permits
M-3	Mechanical Specifications	Bids / Permits
M-4	Mechanical Specifications	Bids / Permits

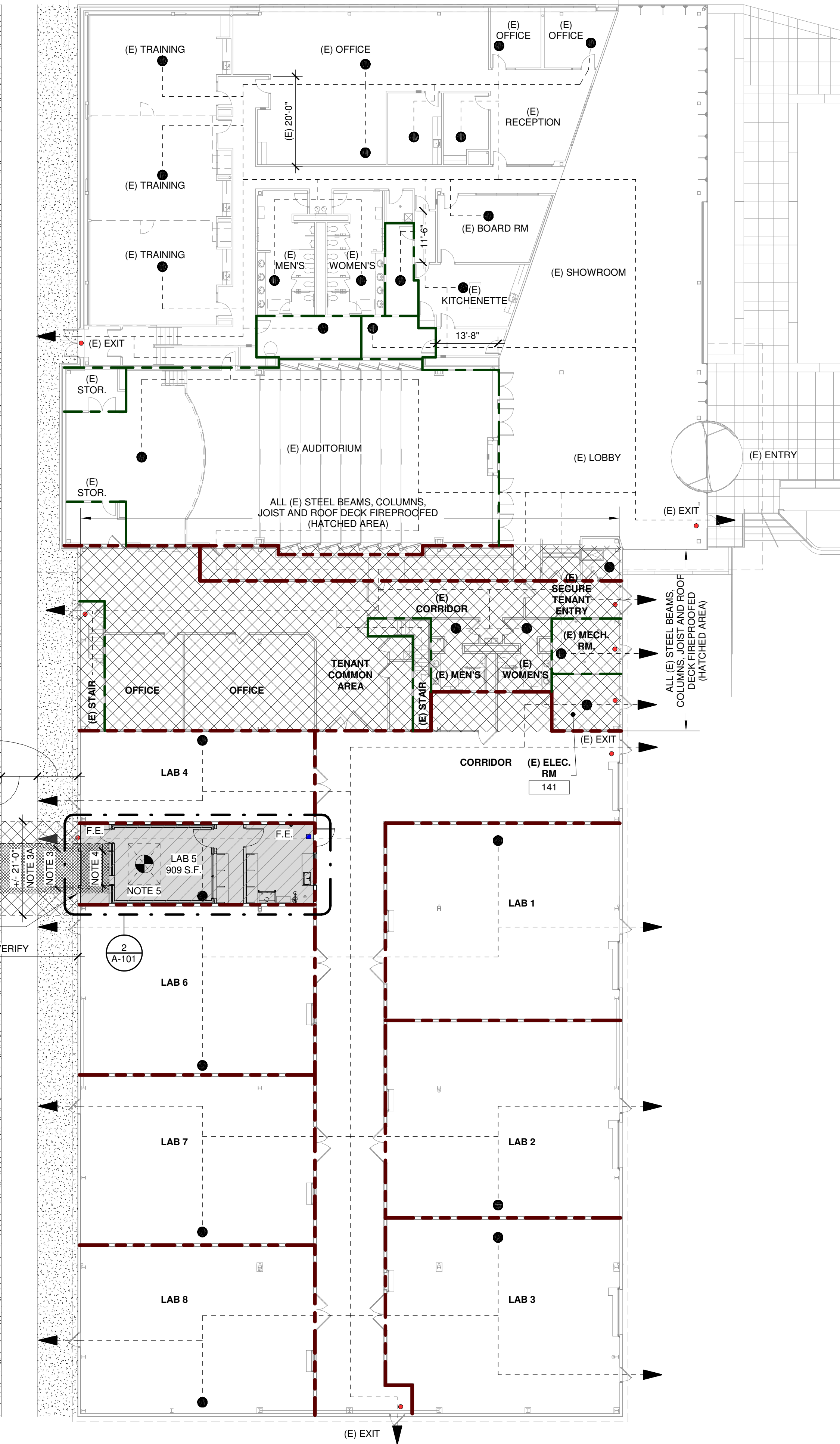
ELECTRICAL DRAWING LIST		
Sheet Number	Sheet Name	Sheet Issued For
E-001	Electrical Symbols	Bids / Permits
E-011	Electrical General Notes & Composite Plan	Bids / Permits
E-012	Electrical Specifications	Bids / Permits
E-021	Electrical One-Line / Riser Diagrams	Bids / Permits
E-041	Panel & Lighting Schedules	Bids / Permits
E-101	Electrical Demo & Lighting Plans	Bids / Permits
E-102	Electrical Power and Misc. Systems Plans	Bids / Permits

RF SHIELD DRAWING LIST (ETS LINDGREN) - For Reference		
Sheet Number	Sheet Name	Sheet Issued For
RF3.0	Details	Addendum 2 - Supplemental
RF3.1	Details	Addendum 2 - Supplemental

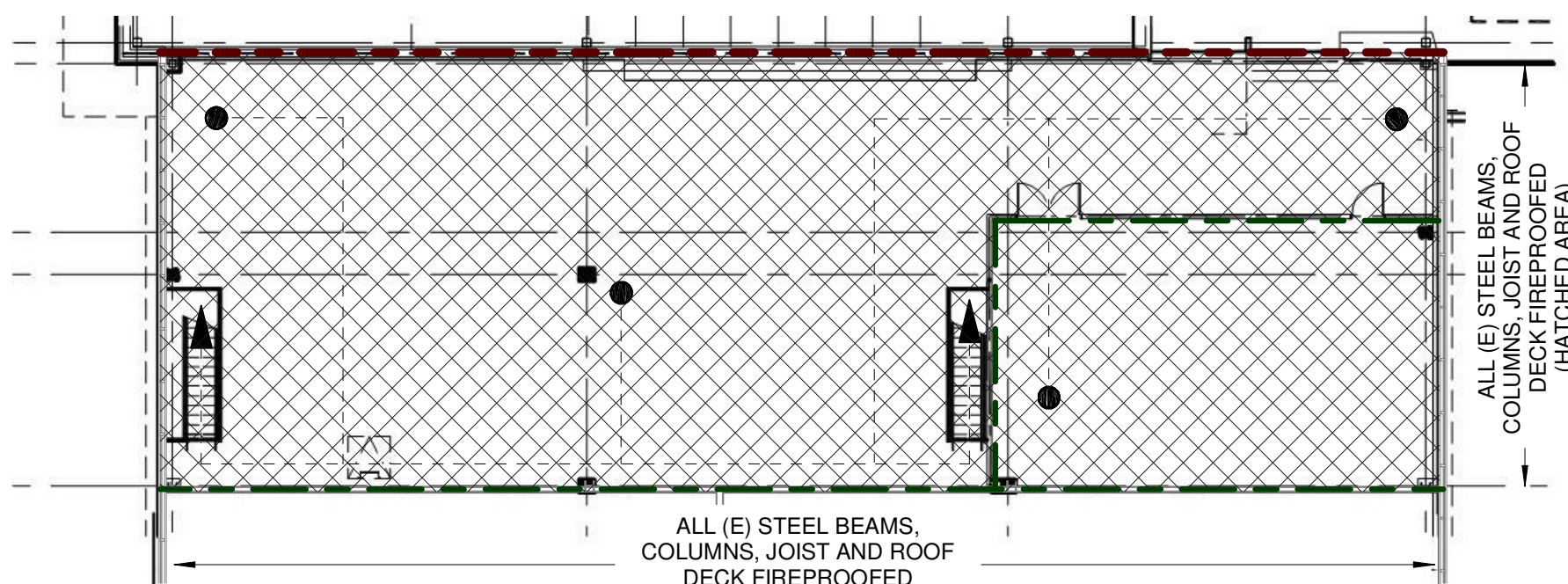
RF SHIELD DRAWING LIST (IMEDCO) - For Reference		
Sheet Number	Sheet Name	Sheet Issued For
SPG25-D4	Detail Sheet	Addendum 2 - Supplemental
SPG25-D18	Detail Sheet	Addendum 2 - Supplemental
SPG25-D22	Detail Sheet	Addendum 2 - Supplemental
SPG25-D24	Detail Sheet	Addendum 2 - Supplemental
SPG25-D26	Detail Sheet	Addendum 2 - Supplemental
SPG25-D35	Detail Sheet	Addendum 2 - Supplemental
SPG25-D36	Detail Sheet	Addendum 2 - Supplemental
SPG25-D39	Detail Sheet	Addendum 2 - Supplemental
SPG25-D41	Detail Sheet	Addendum 2 - Supplemental
SPG25-D42	Detail Sheet	Addendum 2 - Supplemental
SPG25-D43	Detail Sheet	Addendum 2 - Supplemental
SPG25-D45	Detail Sheet	Addendum 2 - Supplemental
SPG25-D48	Detail Sheet	Addendum 2 - Supplemental
SPG25-D49	Detail Sheet	Addendum 2 - Supplemental
SPG25-D50	Detail Sheet	Addendum 2 - Supplemental
SPG25-D51	Detail Sheet	Addendum 2 - Supplemental

NOTE TO CONTRACTOR:

- COORDINATE DELIVERY SCHEDULE / SEQUENCE AND STREET CLOSURE REQUIREMENT WITH WAYNE STATE UNIVERSITY OR CITY OF DETROIT & MRI MAGNET SUPPLIER.
 - CONTRACTORS PROVIDE TEMPORARY STAGING / PROTECTION OVER (E) LAWN STRIP (+/- 780 S.F.) AND (E) CONC. SIDEWALK (+/- 180 S.F.) FOR MRI MAGNET (+/- 38000 LBS) DELIVERY WITH 5'-0" MINIMUM ADDITIONAL PROTECTION ZONE ON BOTH SIDES OF TRANSPORT PATH. PATCH AND REPAIR TO MATCH EXISTING CONDITION AS REQUIRED AFTER DELIVERY.
 - PROVIDE AND MAINTAIN CONTINUOUS THERMAL BARRIER AND WATER AND WEATHER TIGHTNESS UNTIL PERMANENT ENCLOSURE OF NEW ROLLING SERVICE DOOR INSTALLATION IS BUILT AND COMPLETELY ENCLOSED. PROVIDE TEMPORARY PROTECTION FOR ROLLING SERVICE DOOR DURING MAGNET DELIVERY.
 - 3A. PROVIDE TEMPORARY PROTECTION FULL HEIGHT (+/- 650 S.F.) AT EXISTING EXTERIOR WALL DURING MAGNET DELIVERY. PATCH AND REPAIR TO EXISTING CONDITION IF DAMAGE OCCURS DURING MAGNET DELIVERY.
 - PROVIDE TEMPORARY MAGNET PROTECTION PER MAGNET SUPPLIER'S INSTRUCTION AFTER MAGNET DELIVERY WHILE CONTRACTORS COMPLETING GENERAL FIT-OUT WORK.
- MRI MAGNET SUPPLIER:
- SVP Product Development
Time Medical System
Tel: +852 2156 1711
Mob: +852 9556 1839
Contact: Johnson Chong
email: johnson@time-medical.com



FIRST FLOOR LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"



(E) MEZZANINE FIRE LIFE SAFETY PLAN
SCALE: 1/16" = 1'-0"

LIFE SAFETY PLAN LEGEND

	1-HOUR FIRE BARRIER (REQUIRED BY MBC AND NFPA)
	2-HOUR FIRE BARRIER
	PATH OF TRAVEL
	WORK AREA - LEVEL 2 ALTERATION, 2015 MRC EB SECTION 504.1
	BUILDING EXIT ACCESS
	SUITE EXIT ACCESS
	FIRE EXTINGUISHER



Wayne State University

461 Burroughs St.
Detroit, MI 48202

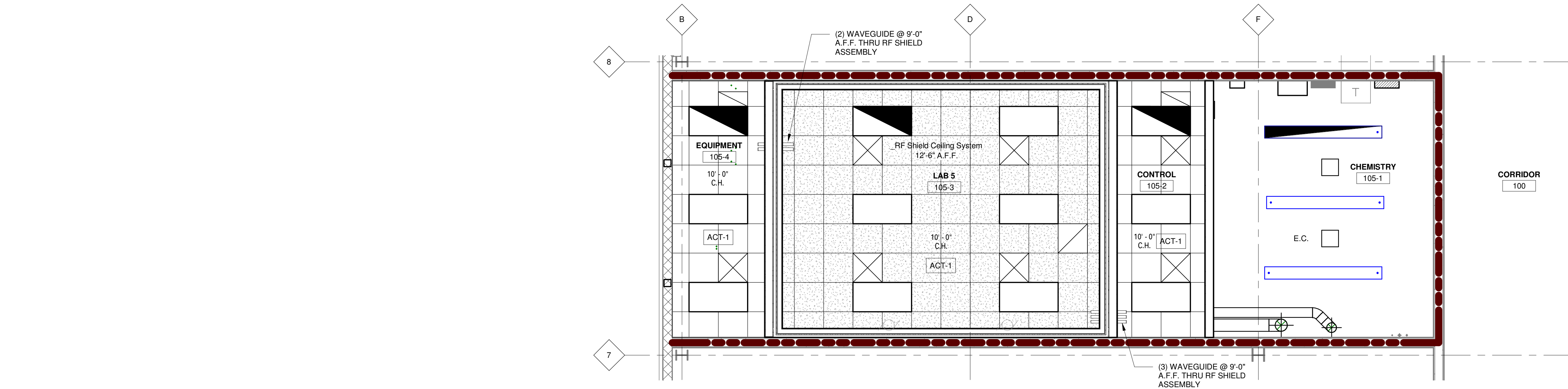
I2C MRI
Installation -
Lab 5 Fit-Out

461 Burroughs St.
Detroit, MI 48202

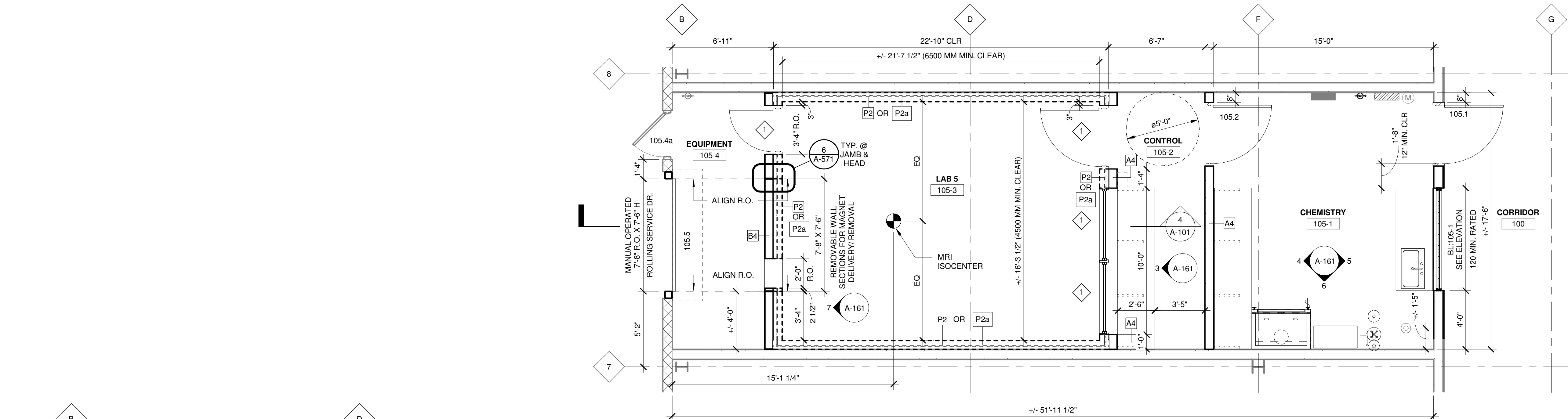
Date Issued For
06/07/2019 Design Development
07/12/2019 Owner Review
08/12/2019 Bids / Permits
08/27/2019 Addendum 1
09/05/2019 Addendum 2

HED

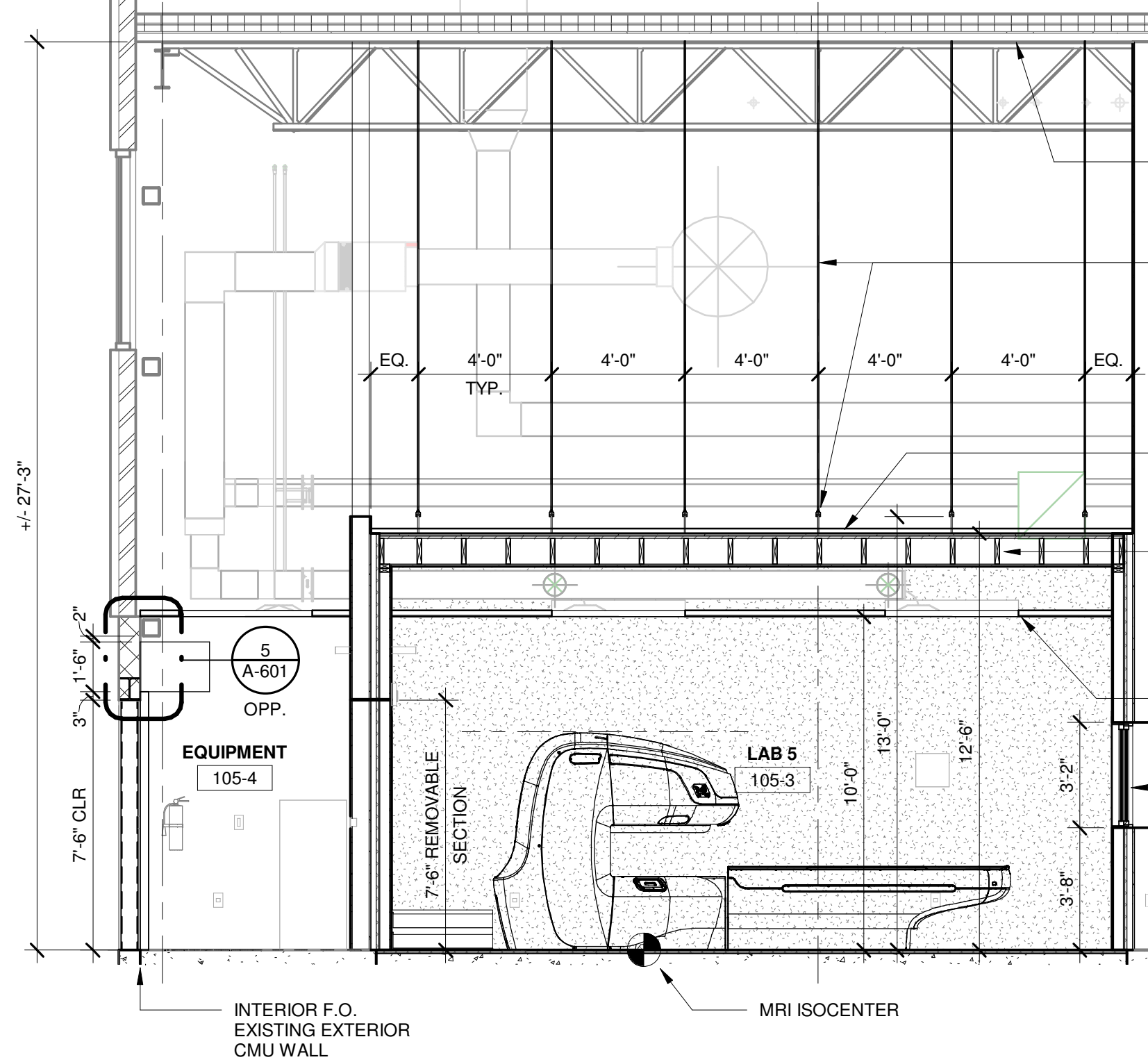
26913 Northwestern Hwy
Suite 200
Southfield, Michigan
48033 USA
(248) 262-1500
WWW.HED.DESIGN



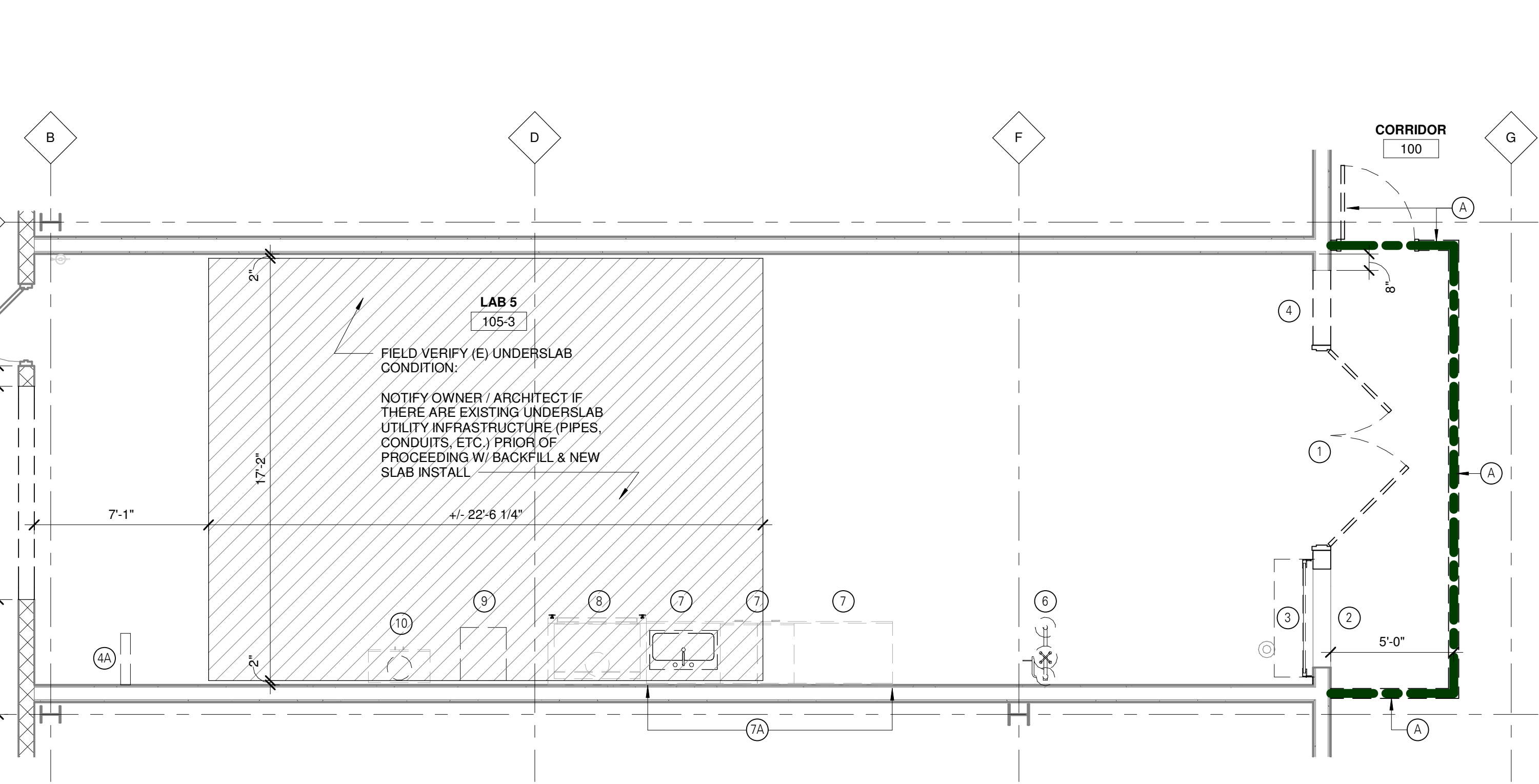
DETAIL REFLECTED CEILING PLAN - LAB 5
SCALE: 1/4" = 1'-0"



DETAIL FIT-OUT PLAN - LAB 5
SCALE: 1/4" = 1'-0"



WALL PROFILE THRU LAB 5 - 105-3
SCALE: 1/4" = 1'-0"



DETAIL DEMOLITION PLAN - LAB 5
SCALE: 1/4" = 1'-0"

CEILING PLAN GENERAL NOTES

- COORDINATE FINAL SIZE AND FINAL LOCATION OF ALL ACCESS PANELS WITH TRADE REQUIRING SAME.
- COORDINATE CEILING SUSPENSION SYSTEMS WITH OTHER CEILING SPACE EQUIPMENT SUPPORTING DEVICES.
- SEE SHEET A-571 FOR PARTITION TYPES.
- ALL EXISTING WALLS IN PROJECT AREA TO MEET FIRE RATINGS INDICATED ON REFLECTED CEILING PLAN.
- CEILING GRID SYSTEM TO BE CENTERED IN ROOM IN BOTH DIRECTIONS UNLESS OTHERWISE NOTED.
- NO CEILING PANEL TO BE CUT TO LESS THAN 6" WIDTH AT CEILING PANEL INSTALLATION TYPICAL.
- AT CONDITIONS WHERE CEILING TILE PADS EXCEED 2'-0" TRIM 2" X 4" CEILING PADS AS REQUIRED TO FIT.
- SPRINKLER HEADS TO BE LOCATED IN THE CENTER OF CEILING PANELS (TYPICAL).
- PAINT ALL EXPOSED (VISUAL) CONSTRUCTION ABOVE CEILINGS INCLUDING, BUT NOT LIMITED TO MECH. & ELECTRICAL ITEMS. SEE NOTES ON REFLECTED CEILING SHEETS FOR EXTENT OF SCOPE.
- VERIFY EXACT LOCATIONS OF SOFFIT AND CEILING CONTROL JOINTS WITH THE ARCHITECT'S REPRESENTATIVE IN THE FIELD.
- REFER TO A-161 SERIES DRAWINGS FOR LOCATIONS OF CEILING MOUNTED EQUIPMENT.
- COORDINATE THE LOCATION OF ESCUTCHEON PLATES AT CEILING PANEL PENETRATIONS WITH ELECTRICAL AND MECHANICAL TRADES.
- SEE ELECTRICAL DRAWINGS FOR FIXTURE TYPES.
- REPAIR (OR REPLACE WITH NEW) EXISTING CEILING PANELS AND GRID WHERE WALLS WERE REMOVED.
- CONTRACTOR SHALL MAINTAIN THE FIRE RATING INTEGRITY OF ALL EXISTING PARTITIONS INDICATED AS FIRE RESISTANCE RATED. ADVISE THE ARCHITECT OF ANY PRE-EXISTING BREACHES DISCOVERED IN THE COURSE OF THE WORK.

CEILING PLAN LEGEND

- 2-HOUR FIRE BARRIER
- 24" X 24" ACOUSTIC TILE CEILING ON ALUM. GRID CEILING SUSPENSION SYSTEM
- SMOKE DETECTORS
- FLUORESCENT FIXTURE (REFER ELEC. DWGS)
- SUPPLY AIR DIFFUSER
- RETURN AIR DIFFUSER
- LINEAR DIFFUSER

FLOOR PLAN GENERAL NOTES

- ALL PARTITION TYPES () ARE 1/2" (TYP.) UNLESS OTHERWISE NOTED - SEE SHEET A-571 FOR PARTITION TYPES.
- COORDINATE PARTITION FIRE RATING REQUIREMENTS AS INDICATED ON REFLECTED CEILING PLAN SHEET (A-101).
- SEE EQUIPMENT PLANS (A-161) FOR EQUIPMENT AND RELATED WALL REINFORCEMENT.
- CONTRACTOR SHALL VERIFY ALL BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS AND FLOOR ELEVATIONS AND NOTIFY THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES BEFORE START OF WORK.
- DIMENSIONS FOLLOWED BY +/- SHALL BE REVIEWED AND ALL NECESSARY ADJUSTMENTS MADE PRIOR TO FABRICATION AND/OR INSTALLATION OF WORK.
- ALL EXISTING CONSTRUCTION REMAINING BUT AFFECTED BY THE WORK UNDER THIS CONTRACT SHALL BE RESTORED AND REFINISHED TO MATCH THE MATERIALS, FINISH AND ALIGNMENT OF THE EXISTING ADJACENT CONSTRUCTION.
- VERIFY QTY, SIZE AND LOCATION OF ALL FLOOR, ROOF AND WALL OPENINGS FOR MECHANICAL AND ELECTRICAL WORK WITH THE APPROPRIATE TRADE. PROVIDE ALL OPENINGS SHOWN OR REQUIRED FOR COMPLETION OF WORK.
- COORDINATE SIZE AND LOCATION OF ALL ACCESS PANELS WITH APPROPRIATE TRADES.
- ALL DIMENSIONS LOCATING STUD PARTITIONS ARE TO FINISH FACE OF PARTITION.
- PROVIDE TRANSITIONS AT FLOORING MATERIALS PER DETAILS ON INTERIOR FINISH PLANS (A-161).
- WHERE FIRE RATED PARTITIONS TERMINATE AT EXTERIOR WALLS, PROVIDE FIRE SAFING INSULATION FROM END OF PARTITION TO INTERIOR FACE OF EXTERIOR SHEATHING - 5" DEPTH X FULL HEIGHT OF CONSTRUCTION (TYPICAL).
- WHERE RECESSED ITEMS ARE LOCATED IN FIRE RATED PARTITIONS, PROVIDE GYPSUM BOARD OF EQUIVALENT THICKNESS AND LAYERS BEHIND RECESSED ITEM TO MAINTAIN FIRE RATING OF PARTITION ASSEMBLY.
- PATCH AND REPAIR EXISTING PARTITIONS AT REMOVED RECESSED ITEMS AND AT NEW DOOR OPENINGS. CUT BACK EXISTING GYPSUM BOARD TO NEXT STUD JOINT BETWEEN NEW AND EXISTING GYPSUM BOARD SHALL BE SECURED TO A COMMON EXISTING STUD.
- PATCH AND REPAIR EXISTING CONCRETE SLAB AT REMOVED FLOOR DRAINS, WATER CLOSETS, DUCT PENETRATIONS AND OTHER REMOVED UTILITIES. PROVIDE CONCRETE IN THICKNESS REQUIRED TO MAINTAIN FIRE RATING OF FLOOR SLAB.
- LEVEL AND SCARIFY EXISTING SLABS TO PROVIDE ACCEPTABLE SUBSTRATE FOR SCHEDULED FLOORING.

FLOOR PLAN LEGEND

- EXISTING COLUMN LINE
- INDICATES ROOM NUMBER SUFFIX DENOTES NUMBER OF ADDITIONAL DOOR IN ROOM
- NEW DOOR
- 5" TO DOOR OPENING - TYP. (U.O.N.)
- EXISTING DOOR TO REMAIN
- ROOM NAME XXXX
- ROOM NAME & NUMBER

FLOOR PLAN KEYNOTES

- RF DOOR AND OBSERVATION WINDOW BY RF SHIELDING VENDOR

DEMOLITION GENERAL NOTES

- THE ARCHITECT HAS NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL, OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO, HAZARDOUS MATERIALS OR TOXIC SUBSTANCES IN AN FORM AT THE PROJECT SITE, INCLUDING BUT NOT LIMITED TO ASBESTOS PRODUCTS, POLYCHLORINATED BIPHENYL (PCB), LEAD P, OR OTHER TOXIC SUBSTANCES. THE FACT THAT THESE DOCUMENTS NOT INDICATE THE PRESENCE OF OR REMOVAL OR CONTAINMENT OF THE FOREGOING IS NOT INTENDED TO INDICATE THAT THESE MATERIALS OR SUBSTANCES, AMONG OTHERS, ARE NOT PRESENT AND ARE NOT REQUIRED TO BE REMOVED OR CONTAINED IN COMPLIANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.
- THE OWNER'S NORMAL OPERATIONS WILL BE CONTINUED DURING DEMOLITION. DEMOLITION CONTRACTOR SHALL NOT INTERFERE WITH THESE OPERATIONS IN ANY WAY WITHOUT THE OWNER'S EXPRESSED CONSENT.
- OWNER WILL OCCUPY PORTIONS OF THE BUILDING IMMEDIATELY ADJACENT TO AREAS OF SELECTIVE DEMOLITION. CONDUCT SELECTIVE DEMOLITION WORK IN MANNER THAT WILL MINIMIZE NEED FOR DISRUPTION OF OWNER'S NORMAL OPERATIONS. PROVIDE MINIMUM OF 72 HOURS ADVANCE NOTICE TO OWNER OF DEMOLITION ACTIVITIES THAT WILL AFFECT OWNER'S NORMAL OPERATIONS.
- PROVIDE TEMPORARY BARRICADES AND OTHER FORMS OF PROTECTION TO PROTECT OWNER'S PERSONNEL AND GENERAL PUBLIC FROM INJURY DUE TO SELECTIVE DEMOLITION WORK.
- PROTECT FLOORS WITH SUITABLE COVERING WHEN NECESSARY.
- COVER AND PROTECT FURNITURE, EQUIPMENT, AND FIXTURES FROM SOILING OR DAMAGE WHEN DEMOLITION WORK IS PERFORMED IN AREAS WHERE SUCH ITEMS HAVE BEEN REMOVED.
- PRIOR TO CUTTING EXISTING CONSTRUCTION, LOCATE AND IDENTIFY SERVICES TO REMAIN IN OPERATION, INCLUDING ALL FLOOR PENETRATIONS, UNDOCUMENTED CONDITIONS, UTILITY RISERS, ETC. AND ANY WALLS THAT CONTAIN LIFE SAFETY VERTICAL RISERS THAT MUST REMAIN IN OPERATION DURING THE DEMOLITION WORK.
- CONTRACTOR SHALL VERIFY ALL EXISTING BUILDING DIMENSIONS, PARTITION AND WALL LOCATIONS AND FLOOR ELEVATIONS IN FIELD AND NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES BEFORE THE START OF WORK.
- WHEN UNANTICIPATED MECHANICAL, ELECTRICAL, OR STRUCTURAL ELEMENTS THAT CONTRADICT WITH INTENDED FUNCTION OF DESIGN ARE ENCOUNTERED, INVESTIGATE AND MEASURE BOTH NATURE AND EXTENT OF THE CONFLICT AND NOTIFY OWNER'S REPRESENTATIVE.
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST DAMAGE DURING DEMOLITION OPERATIONS. DO NOT INTERRUPT UTILITIES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO GOVERNING AUTHORITIES.
- WHERE DEMOLITION IS REQUIRED BEYOND THE LIMITS OF THE CONTRACT TO ROUTE NEW DUCTWORK, PIPING, CONDUITS ETC., RATED WALLS AND SMOKE BARRIERS SHALL BE PATCHED BY CONTRACTOR REQUIRING PENETRATIONS. ALL FINISHES DAMAGED BY THE WORK SHALL BE RESTORED TO THEIR ORIGINAL CONDITION.
- REPAIR DEMOLITION PERFORMED IN EXCESS OF THAT REQUIRED. RETURN ELEMENTS OF CONSTRUCTION AND SURFACES TO REMAIN TO THE CONDITION EXISTING PRIOR TO START OF OPERATIONS. REPAIR ADJACENT CONSTRUCTION OR SURFACES SOILED OR DAMAGED BY SELECTIVE DEMOLITION.
- PROVIDE SHORING, BRACING AND ANY OTHER MEANS REQUIRED TO PROTECT AND MAINTAIN THE SAFETY, INTEGRITY AND STABILITY OF ALL EXISTING AND NEW CONSTRUCTION.
- WHEN ROOFING, GLAZING, FLASHING, COPING OR PORTIONS OF EXTERIOR WALLS ARE REMOVED OR OPENED, SUITABLE WEATHER PROTECTION SHALL BE PROVIDED AND MAINTAINED FOR THE DURATION OF WORK AND SECURED AND SEALED WEATHERTIGHT DAILY.
- ERECT AND MAINTAIN 1 HOUR FIRE RESISTANCE RATED TEMPORARY PARTITIONS WHERE REQUIRED TO PROTECT EXISTING CONSTRUCTION AND OWNER'S OPERATIONS.
- REMOVAL OF ITEMS NOTED INCLUDES REMOVAL OF ANCHORS, ADHESIVES, HARDWARE, CONDUIT, WIRE, PIPING, ETC. FOR A COMPLETE REMOVAL OF THE ITEMS OR SYSTEMS.
- WHERE NEW CEILINGS ARE SHOWN OR NOTED, COMPLETELY REMOVE EXISTING CEILING AND SUSPENSION SYSTEM. SUSPEND NEW CEILING FROM CONSTRUCTION ABOVE.
- WHEREVER WATER CLOSETS, FLOOR SINKS OR OTHER EQUIPMENT AND RELATED PIPING ARE TO BE REMOVED, PATCH FLOOR SLAB WITH CONCRETE AS REQUIRED.
- ALL DEMOLITION WORK REQUIRED IS NOT LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLANS. THE INTENT IS TO REMOVE ALL MECHANICAL, ELECTRICAL AND ARCHITECTURAL ITEMS AS REQUIRED TO FACILITATE NEW CONSTRUCTION. SEE MECHANICAL AND ELECTRICAL DEMOLITION DRAWINGS FOR ADDITIONAL SCOPE OF DEMOLITION WORK.
- REFER TO FINISH SCHEDULE FOR ADDITIONAL FINISH WORK REQUIRED IN OTHER AREAS THAT ARE NOT DOCUMENTED TO RECEIVE DEMOLITION/REMOVAL WORK (TYPICAL).
- REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

NOTES:
REMOVE WALL, COVERING AND RESILIENT BASE AT EXISTING WALLS TO REMAIN THAT ARE SCHEDULED TO RECEIVE NEW FINISHES. PREPARE WALL TO RECEIVE NEW FINISHES. COORDINATE EXTENT OF DEMOLITION WITH ROOM FINISH SCHEDULE TO ACCOMMODATE NEW MECHANICAL AND ELECTRICAL WORK. FIELD VERIFY EXISTING CONDITIONS, PATCH AND REPAIR WALLS TO MATCH EXISTING. MAINTAIN EXISTING FIRE RATINGS.

DEMOLITION LEGEND

- 1-HR FIRE RATED PARTITION FOR TEMPORARY CONSTRUCTION PROTECTION
- EXISTING TO BE REMOVED
- EXISTING TO REMAIN
- FOR ENTIRE FLOOR IN SHADED AREA - SAWCUT AND COMPLETELY REMOVE ALL EXISTING SLAB ON GRADE. PREPARED AREA FOR NEW DEPRESSED SLAB ON GRADE.

ALL DEMOLITION WORK REQUIRED IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON THE DEMOLITION PLANS. THE INTENT IS TO REMOVE ALL MECHANICAL, ELECTRICAL AND ARCHITECTURAL ITEMS AS REQUIRED TO FACILITATE NEW CONSTRUCTION.

REFER TO FINISH SCHEDULE FOR ANY ADDITIONAL FINISH WORK REQUIRED IN OTHER AREAS THAT ARE NOT DOCUMENTED TO RECEIVE ANY DEMOLITION/REMOVAL WORK AS INDICATED ON DEMOLITION PLANS (TYPICAL).

DEMOLITION KEYNOTES

- PROVIDE TEMPORARY 1-HR FIRE RATED CONSTRUCTION PROTECTION PARTITION - FULL HEIGHT TO BOTTOM OF EXISTING ROOF STRUCTURAL DECK WITH 3/4 HOUR MINIMUM RATED ACCESS DOOR
- REMOVE EXISTING DOUBLE DOOR AND FRAME. PATCH WALL OPENING TO MATCH (E) PARTITION.
- REMOVE EXISTING BORROWED LITE AND FRAME. PATCH WALL OPENING TO MATCH (E) PARTITION.
- REMOVE EXISTING ROLLING SERVICE DOOR AND FRAME. PATCH WALL OPENING TO MATCH (E) PARTITION.
- REMOVE PORTION OF EXISTING PARTITION. PATCH AND PREPARE WALL OPENING FOR NEW DOOR.
- REMOVE PORTION OF EXISTING PARTIAL HEIGHT PARTITION. PATCH AND REPAIR EXISTING WALL AS REQUIRED.
- REMOVE PORTION OF EXISTING EXTERIOR CONC. MASONRY WALL. PREPARE WALL OPENING TO RECEIVE NEW WORK.
- DISCONNECT & SALVAGE (E) EMERGENCY EYEWASH / SHOWER UNIT. REFER TO SHEET A-161 "EQUIPMENT LIST" AND PLAN FOR RE-USE / NEW LOCATION.
- REMOVE & SALVAGE (E) BASE CABINET. REFER TO SHEET A-161 "EQUIPMENT LIST" AND PLAN FOR RE-USE / NEW LOCATION.
- REMOVE (E) SOLID SERVICE COUNTER AND SINK / FAUCET.
- REMOVE, DISCONNECT & SALVAGE (E) BASE CABINET AND FUMEHOOD. REFER TO SHEET A-161 "EQUIPMENT LIST" AND PLAN FOR RE-USE / NEW LOCATION.
- REMOVE (E) SERVICE SINK AND FAUCET.
- DISCONNECT & SALVAGE (E) GAS CABINET. REFER TO SHEET A-161 "EQUIPMENT LIST" AND PLAN FOR RE-USE / NEW LOCATION.



Wayne State
University

461 Burroughs St.,
Detroit, MI 48202

I2C MRI
Installation -
Lab 5 Fit-Out

461 Burroughs St.,
Detroit, MI 48202

Date	Issued For
06/07/2019	Design Development
07/12/2019	Owner Review
08/12/2019	Bus / Permits
08/27/2019	Addendum 1
09/05/2019	Addendum 2

HED

26913 Northwestern Hwy
Suite 200
Southfield, Michigan
48033 USA

(248) 262-1500
WWW.HED.DESIGN

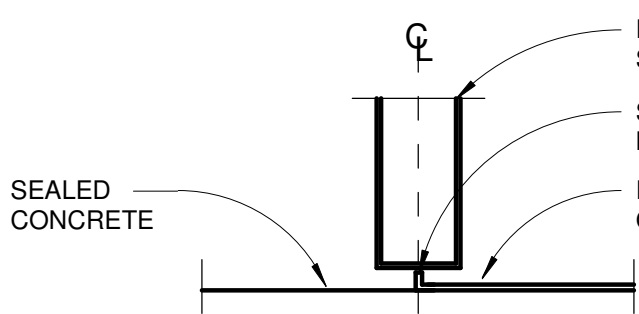
© 2019

2017-03497-000
CLIENT'S PROJECT NUMBER: 212-313128

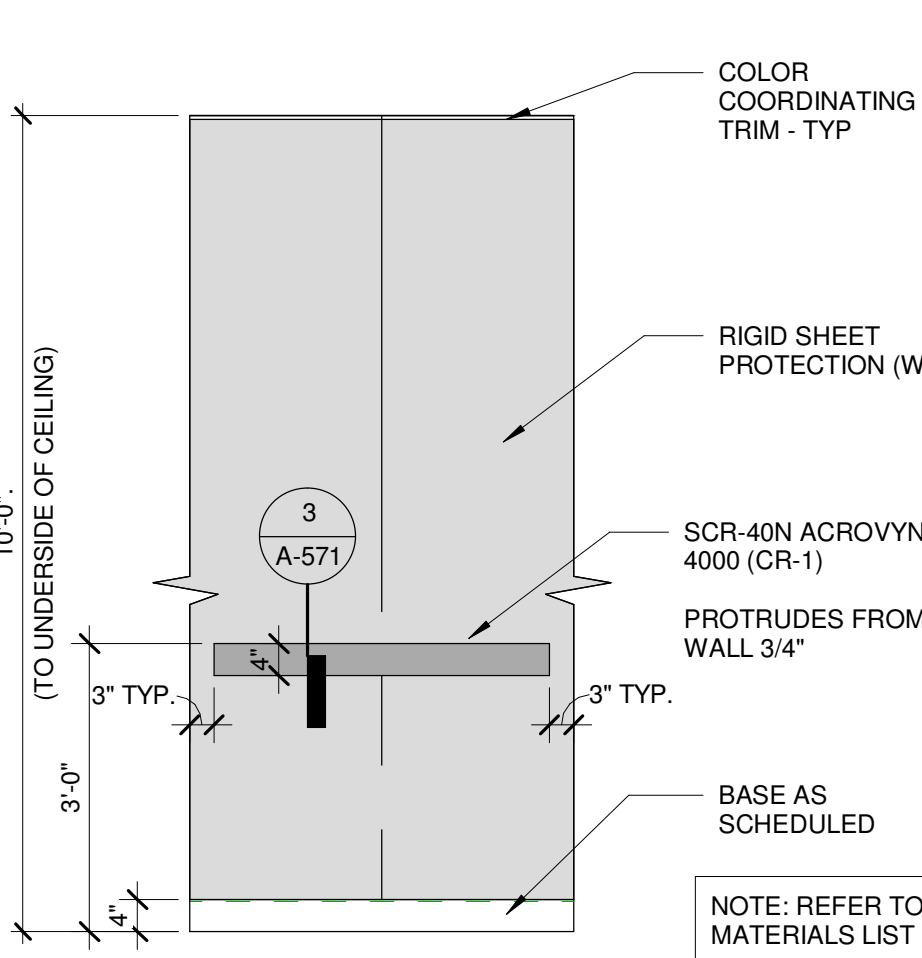
Detail Demolition,
Lab Fit-Out and
RCP plans

A-101

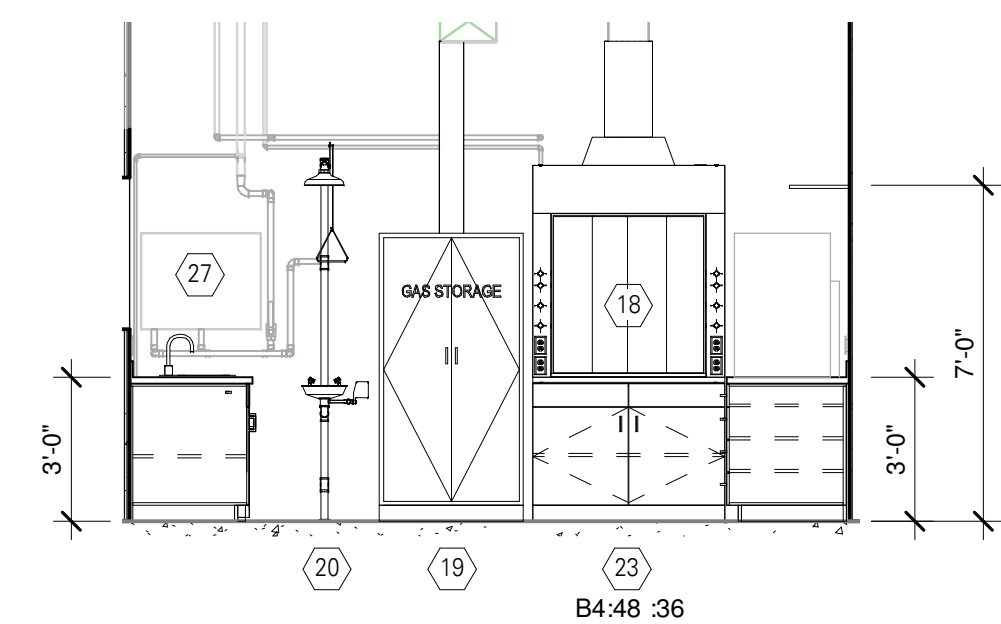
FINISH MATERIALS LIST									
Number	Material	Manufacturer	Style	Product #	Color	Fire Performance - Flame Spread / Smoke Index	Comments	Location	Rep Contact
CEILING									
ACT-1	ACOUSTIC CEILING TILE	ARMSTRONG	ULTIMA, SQUARE LAY-IN 24"x24"x3/4"	1900	WHITE	ASTM E1264 CLASS A / ASTM E84 25/50	GRID: CLEAN ROOM SYSTEMS, 15/16" WHITE	SEE RCP	JANICE BAYS: 877-276-7876, JABAYS@ARMSTRONG.COM
FLOORING									
RT-1	RESILIENT TILE FLOORING	JOHNSONITE	IQ OPTIMA, RESILIENT TILE FLOORING	3077261	OPTIMA KETTLE BLACK 0261	ASTM E 648 CLASS 1 / 0.45	24" X 24", INSTALL MONOLITHIC	SEE FINISH PLAN	JIM HAGOOD: 734-260-2177, JHAGOOD@BISHOPDISTRIBUTING.COM
SC-1	SEALED CONCRETE		SEALED CONCRETE				PATCH AND REPAIR / RESEAL EXISTING CONCRETE FLOOR FINISH	SEE FINISH PLAN	
MILLWORK									
LS-1	EPOXY RESIN	DURCON WILSONART	CLASSIC BEVEL EDGE		GRAPHITE	ANSI 51 / SEFA		CHEMISTRY 105-1	
PL-1	PLASTIC LAMINATE	PIONITE	PLASTIC LAMINATE, TEXTURED/SUEDE	AW300-SD	LOVE LETTERS	ASTM E84 25/50	LOCATION: ALL MILLWORK	ALL MILLWORK THROUGHOUT PROJECT	BETH GWYN: BGWYN@BONDPLY.COM
SS-1	SOLID SURFACE	CORIAN	CORIAN		VENARO WHITE	CLASS A / ASTM E84 25/25		CONTROL 150-2	SABRINA KASSAB: 586-497-7520, SKASSAB@OLDENKAMP.COM
PAINT									
PT-1	PAINT	SHERWIN WILLIAMS	INTERIOR LATEX PAINT, SEE FINISH NOTES FOR TYPE	SW 7070	SITE WHITE		GENERAL PAINT	THROUGHOUT	DAWN CENOWA: 248-660-3067, DAWN.M.CENOWA@SHERWIN.COM
RUBBER BASE									
RB-1	RUBBER BASE	JOHNSONITE	COVE BASE 4"H X 120"L X 1/8" THICK		29 MOONROCK WG	ASTM E848 CLASS 1 / ASTM E982 <450		SEE FINISH PLAN	JIM HAGOOD: 734-260-2177, JHAGOOD@BISHOPDISTRIBUTING.COM
WALL COVERING/PROTECTION									
CR-1	CRASH RAIL	CS ACROVYN	CRASH RAIL, SHADOWGRAIN TEXTURE	SCR-40N	265 FOG		TOP AT 36" AFF 3/4" D X 4" H	DAN GROFF: 908-849-4069, DGROFF@C-SGROUP.COM	
WP-1	WALL PROTECTION	CS ACROVYN	WALL PROTECTION 4" W X 10'H, SUEDE TEXTURE	ACROVYN 4000 - SEE SPEC 102600	265 FOG	CLASS A / ASTM E84 25/5	FULL HEIGHT WALL PROTECTION (10') 6" THICK	SEE FINISH PLAN	DAN GROFF: 908-849-4069, DGROFF@C-SGROUP.COM



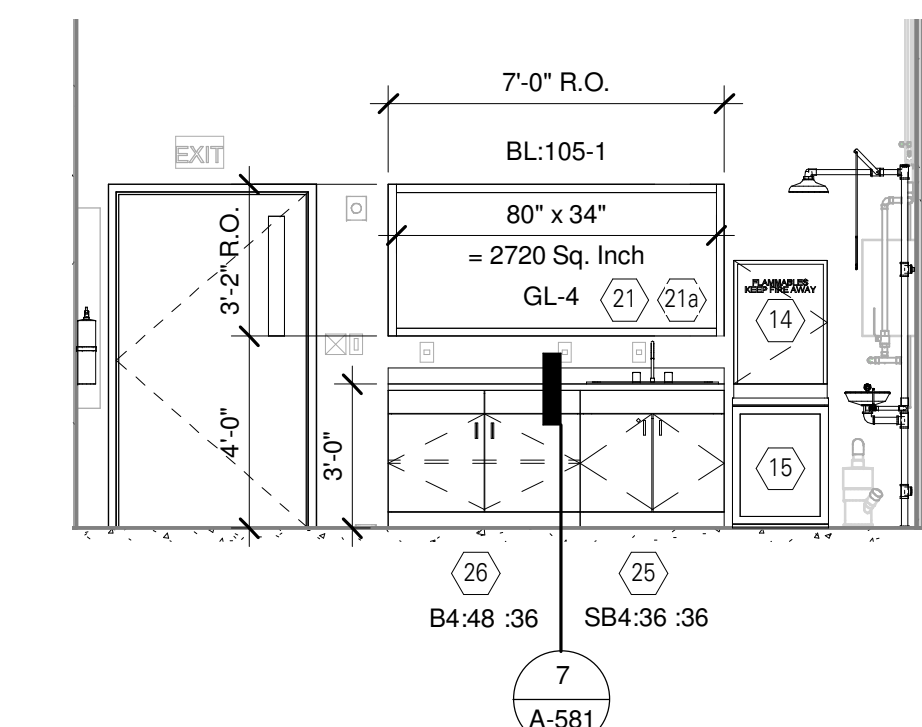
10 SC TO RS TRANSITION
SCALE: 3" = 1'-0"



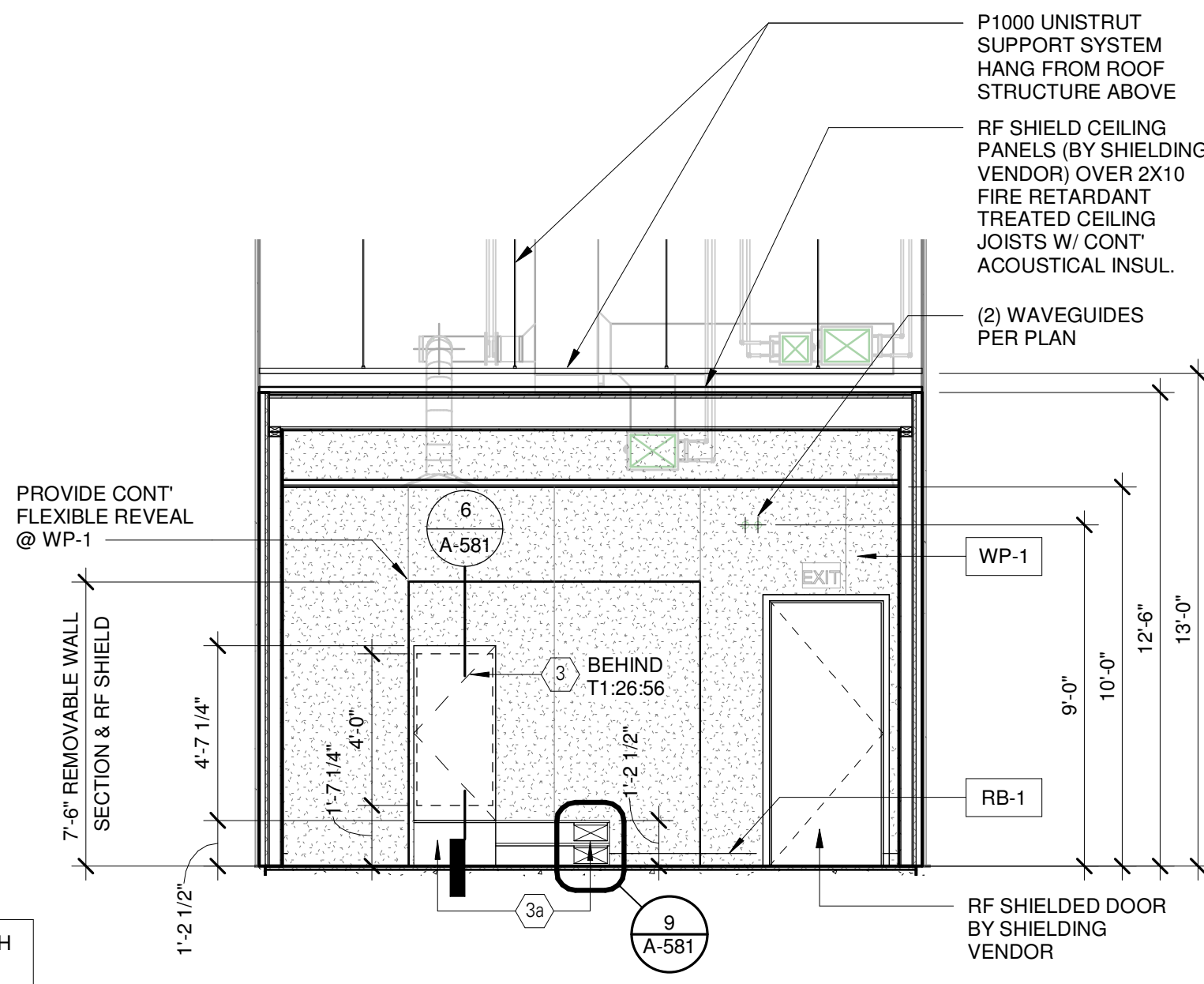
8 CRASH RAIL DETAIL
SCALE: 1/2" = 1'-0"



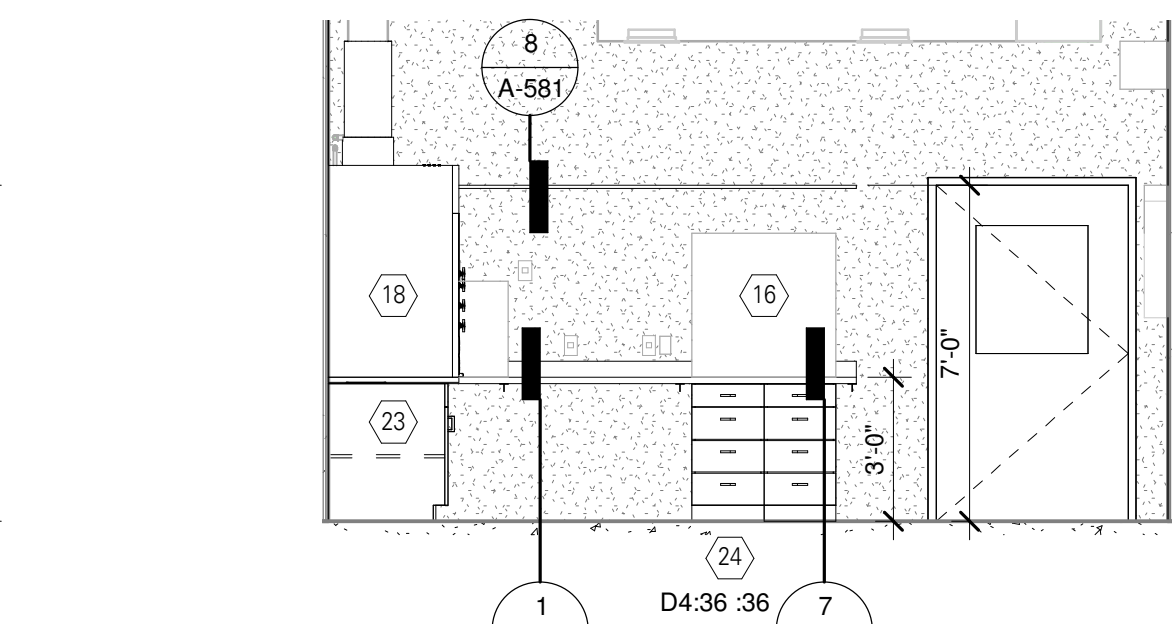
6 INTERIOR ELEVATION @
CHEMISTRY FUME HOOD
SCALE: 1/4" = 1'-0"



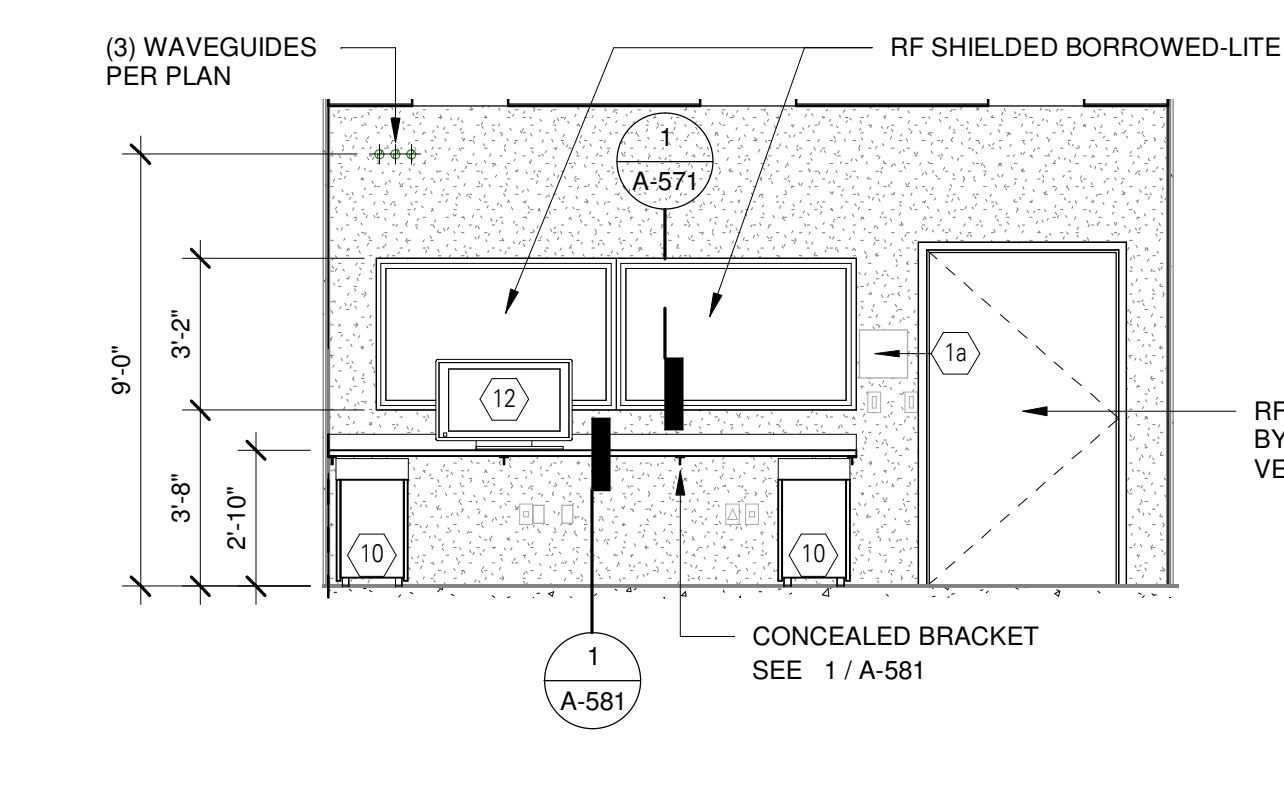
5 INTERIOR ELEVATION @
CHEMISTRY SINK COUNTER
SCALE: 1/4" = 1'-0"



7 INTERIOR ELEVATION @
CONTROL WINDOW1
SCALE: 1/4" = 1'-0"



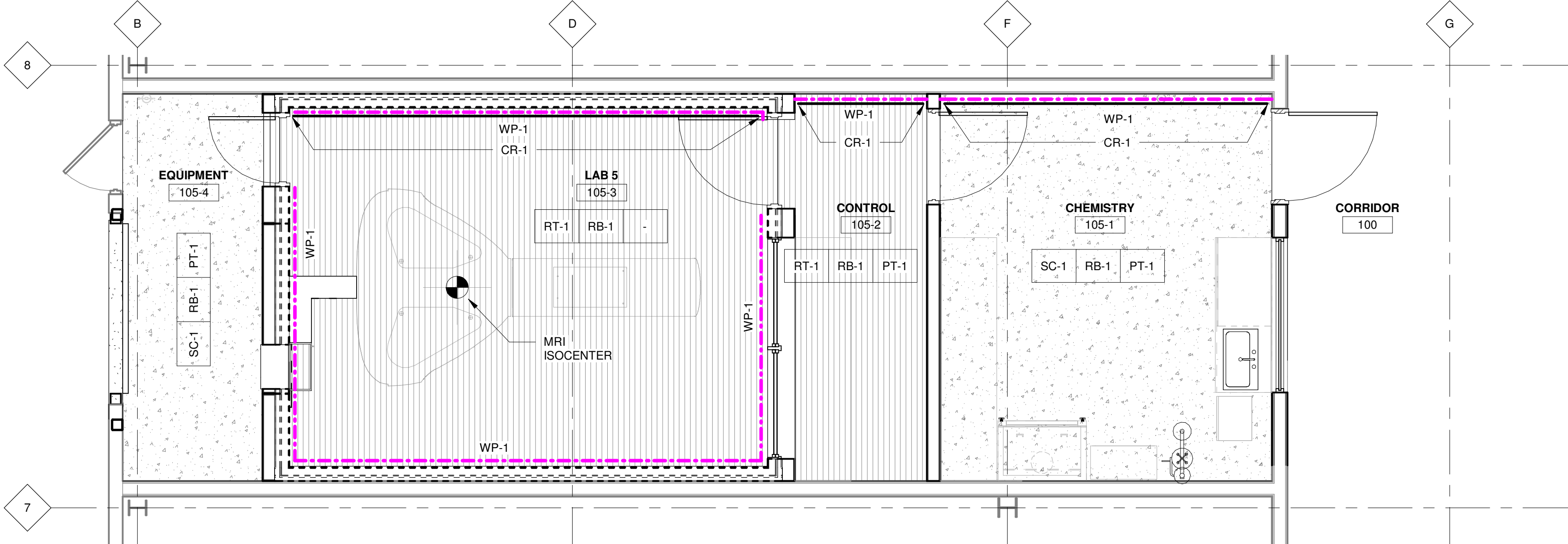
4 INTERIOR ELEVATION @
CHEMISTRY WORK COUNTER
SCALE: 1/4" = 1'-0"



3 INTERIOR ELEVATION @
CONTROL WINDOW
SCALE: 1/4" = 1'-0"

FINISH PLAN LEGEND/NOTES

- ROOM FINISHES TAG
- XXX XXX XXX
- WALL FINISH
- WALL BASE
- FLOOR FINISH
- WP-1 (REFER TO MATERIALS FINISH KEY IN SPECIFICATIONS)
1. REFER TO MATERIALS FINISH KEY IN SPECIFICATIONS.
2. SEE DETAIL 7/A-161 FOR FLOOR FINISH TRANSITIONS.
3. PROVIDE CONTINUOUS EXTRUDED ALUMINUM CAP MOLD AT WP-1 SIMILAR TO DETAIL X/A-XXX.

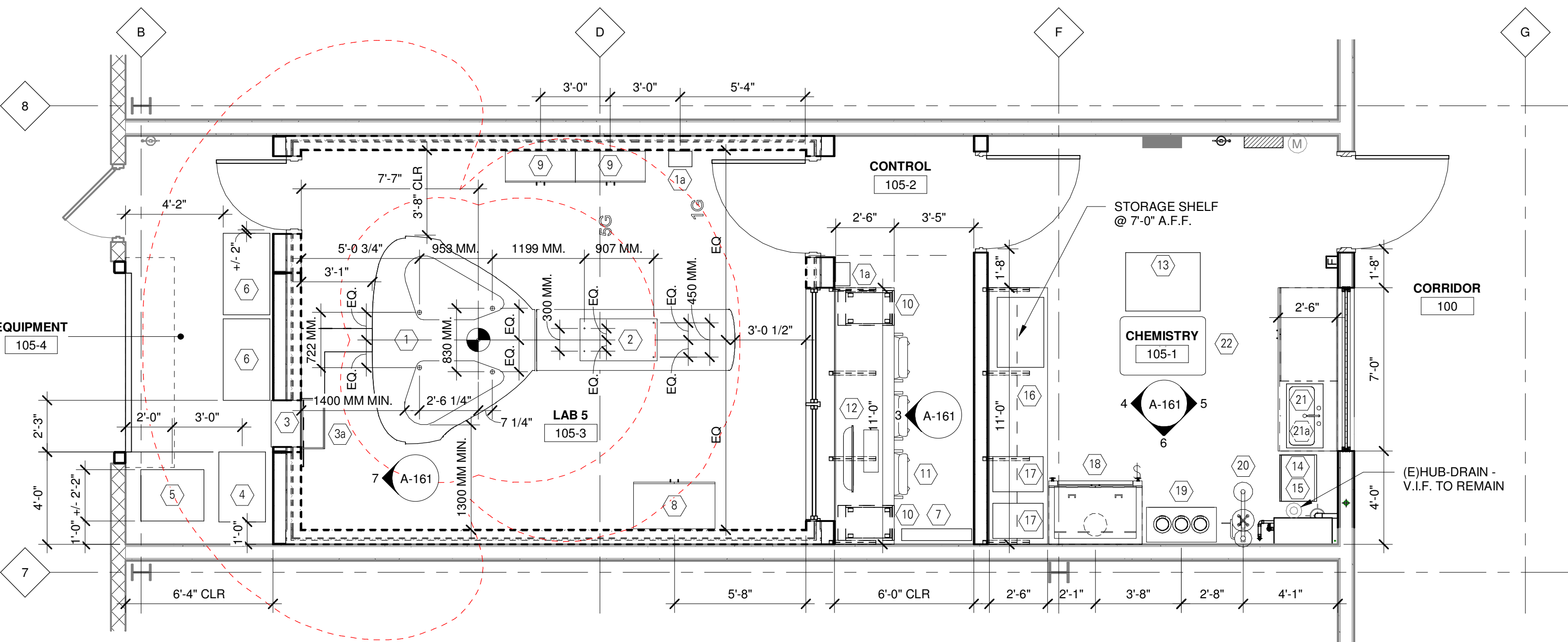


2 DETAIL FINISHES PLAN - LAB 5
SCALE: 1/4" = 1'-0"

FINISH PLAN GENERAL NOTES

- A. TRANSITION AND REDUCER STRIPS TO MATCH COLOR OF FLOORING, UNLESS OTHERWISE NOTED.
- B. TRANSITION ALL FLOOR FINISHES AT EDGE OF DOOR, UNLESS OTHERWISE NOTED.
- C. ALL DOOR FRAMES TO BE PAINTED PT-1, UNLESS OTHERWISE NOTED. REFER TO DOOR / WINDOW SCHEDULE FOR ADDITIONAL FINISH INFORMATION.
- D. WHERE TWO OR MORE FINISHES APPEAR IN THE FINISH SCHEDULE FOR ONE SURFACE, REFER TO PLANS, DETAILS, AND ELEVATIONS FOR ADDITIONAL INFORMATION.
- E. RECESSED WIREWAYS, ACCESS PANELS, GRILLES, FIRE EXTINGUISHER CABINETS, ELECTRICAL PANELS, AND ALL OTHER SUCH ARCHITECTURAL, ELECTRICAL, AND MECHANICAL DEVICES SHALL BE FINISHED TO MATCH ADJACENT WALL OR CEILING SURFACE, UNLESS OTHERWISE NOTED.
- F. REFER TO ARCHITECTURAL DETAILS AND ELEVATIONS FOR HANDRAIL, CRASH RAIL, WALL PROTECTION, CORNER GUARD, AND END GUARD MOUNTING HEIGHTS AND DETAILS.
- G. ALL PAINT FINISHES:
ALL PAINT TO BE LOW VOC
ALL HARD CEILINGS AND SOFFITS: FLAT FINISH
ALL GYP. WALLS & COLUMNS: EGGSHELL FINISH U.N.O
ALL METAL & WOOD SURFACES: SEMI-GLOSS FINISH U.N.O
ALL INTERIOR GRILLES, LOUVERS & INTERIOR DOOR FRAMES: SPRAYED SEMI-GLOSS FINISH U.N.O

EQUIPMENT LIST																																		
Project ID	(X)	Shown on...	AG245	Manufacturer/ Model Number	Used by:	Current Location	New Location	Electrical Requirements (Volts: 110, 120, 220)	Electrical Requirements (Amps/Watts)	Special Plug/Outlet (Type)	Network Connection	Floor Loading (lbs)	Exhaust (E)	Hot Water (HW)	Cold Water (CW)	Steam (S)	DI Water (DI)	Drain (Dr)	Comp. Air (A)	Vacuum (V)	Nat. Gas (G)	Dimensions			Location			Status	Installation		Special Requirements/ Comments			
																						Length / Depth (inch)	Width (inch)	Height (inch)	Floor	Bench	Wall	Ceiling	Existing	Future		X OFCI	OFCI	
1	Y	MRI - Magnet Unit + Cover		Time Medical	Chekmenov	105-3	Magnet					37840											83.5"	108"	78.58"	F					X			
1a	Y	MRI - Magnet Unit Emergency Stop		Time Medical	Chekmenov	105-3	Magnet																103"	31.25"	30.7"	F					X			
2	Y	MRI - Patient Table		Time Medical	Chekmenov	105-3	Magnet					1034											--	24"	48"	F					X			
3	Y	MRI - Penetration panel		Time Medical	Chekmenov	105-3	Magnet																	24"	48"	F		W				X		
3a	Y	MRI - Cable Trunk			Chekmenov	105-3	Magnet																Site Specific	12"	14.5"	F							X	Above Floor Cable Truck, w/ Access Cabinet Type "T1" CFCI
4	Y	MRI - Imaging Cabinet		Time Medical	Chekmenov	105-4	M Eq	Fed From #5				937											36"	24"	68.4"	F						X		
5	Y	MRI - Iso. Power Cabinet		Time Medical	Chekmenov	105-4	M Eq	480V-3PH	63A			858											26.4"	32.4"	38.4"	F						X		
6	Y	PHIP Polarizer x 2		By Owner	Chekmenov	105-4	M Eq	(2) Circuits @ 120V	20A/ea		Yes												24"	42"	54"	F			E			X		
7	Y	Propane Polarizer		By Owner	Chekmenov	105-3	Magnet	120V	20A	Nema 5-20 5'-AFF													36"	36"	6"	F		W		E	X		2 pieces	
8	Y	RF Coil Storage Cabinet (Non-Ferrous)			Chekmenov	105-3	Magnet																24"	42"	84"	F						X	See Detail 5/A-581 @ Type "T2"	
9	Y	RF Coil Storage Cabinet (Non-Ferrous)			Chekmenov	105-3	Magnet																16"	36"	84"	F						X		
10	Y	Mobile Under-Counter Cabinet	Charcoal + White Stow 3-Drawer File Cabinet		Chekmenov	105-2	Control																20"	15.75"	24"	F						X	FLAGSHIP SHOWROOM: 16 Madison Square West, 3rd Fl. New York, NY 10010 www.poppin.com	
11	Y	Control Desk Chair x 3	Max Task Chair (Dark Grey w/ White Frame)		Chekmenov	105-2	Control																25"	27"	44"	F						X		
12	Y	Control Desk MRI Scanner Monitor/Desktop Terminal		Time Medical	Chekmenov	105-2	Control	(2) Circuits @ 120V	20A/ea		Yes, Hard wired																B					X		
13	Y	Xenon Polarizer 129Xe		By Owner	Chekmenov	105-1	Chemistry	208V 1PH (by UPS)	20A	(1) Nema L6-20 (by UPS)													30"	38.5"	54"	F			E		X			
14	Y	Flammable Storage Cabinet		By Owner	Chekmenov	105-1	Chemistry																18"	24"	36"???	F			E		X			
15	Y	Mini Refrigerator		By Owner	Chekmenov	105-1	Chemistry	120V	20A														18"	24"	36"???	F			B		E	X		
16	Y	Bench-Top NMR		By Owner	Chekmenov	105-1	Chemistry	120V	20A		Yes, Hard wired												24"	36"	36"???	F			B		E	X		
17	Y	Bench-Top PH Generator x3		By Owner	Chekmenov	105-1	Chemistry	(2) @ 208V-1PH; (1) @ 120V; (by UPS)	23 FLA @ 208V 19 FLA @ 208V 20A @ 120V	(2) Nema L6-30 (by UPS)												12"	28"	18"	B			E		X				
																							20"	24"	22"	B			E					
																							24"	30"	30"	B			E					
18	Y	Bench-Top Fume Hood		Re-Use Existing	Chekmenov	105-1	Chemistry	(1) @ 208V-1PH (1) @ 120V	20A @ 208V 20A @ 120V														28.5"	48"	54"	B			E			X		
19	Y	Gas Cabinet H /N		Re-Use Existing	Chekmenov	105-1	Chemistry	120V for Gas Monitor															16"	30"	65"	F			E			X		
20	Y	Emergency Eyewash / Shower		Re-Use Existing	Chekmenov	105-1	Chemistry							Y	Y		Y									F						X		
21	Y	Laboratory Sink	Durcon Wilsonart - U60	Chekmenov	105-1	Chemistry								Y	Y		Y						28" L	20" W	8.75" D	F			B			X	Match Epoxy Resin Countertop Finish	
21a	Y	Laboratory Faucet	Zurn 282651-XL	Chekmenov	105-1	Chemistry								Y	Y								8" Bent Riser			B						X	2.2 GPM, Polished Chrome	
22	Y	Portable Tabletop		Chekmenov	105-1	Chemistry																	30"	48"	36"	F						X		
23	Y	Existing Base Cabinet for Fume Hood		Re-Use Existing	Chekmenov	105-1	Chemistry																30"	48"	34.5"	F						X		
24	Y	Existing Base Drawer Cabinet		Re-Use Existing	Chekmenov	105-1	Chemistry																30"	36"	34.5"	F						X		
25	Y	Existing Sink Base Cabinet		Re-Use Existing	Chekmenov	105-1	Chemistry																30"	36"	34.5"	F						X		
26	Y	Existing Base Cabinet		Re-Use Existing	Chekmenov	105-1	Chemistry																30"	48"	34.5"	F						X		
27	Y	Tankless Water Heater			Chekmenov	105-1	Chemistry	480V-3PH	87A / 72kW														17"	30"	36"	F		W				X		



1 DETAIL EQUIPMENT PLAN - LAB 5
SCALE: 1/4" = 1'-0"

EQUIPMENT PLAN GENERAL NOTES

1. FOR CASEWORK TYPES, SEE INTERIOR ELEVATIONS AND CABINET TYPES ON DWG. A-581.
2. PROVIDE REINFORCEMENT IN WALLS OR PARTITIONS PER DETAIL 2/A-571 AT ALL WALL MOUNTED ACCESSORIES, EQUIPMENT, CASEWORK, SHELVING, MARKER AND TACKBOARDS, CLOCKS, MIRRORS, ETC.
3. WHERE EQUIPMENT IS MOUNTED ON EXISTING WALLS OR PARTITIONS, CUT AND REMOVE GYPSUM BOARD TO INSTALL REINFORCEMENT IN WALLS PER DETAIL 2/A-571. FINISH WALL TO MATCH ADJACENT FINISH AND FIRE RATING.
4. REFER "ROOM X ROOM" EQUIPMENT LIST AS INDICATED FOR EQUIPMENT INFORMATION AND RESPONSIBILITY. WHERE EQUIPMENT IS OWNER FURNISHED, CONTRACTOR INSTALLED AND OWNER FURNISHED, OWNER INSTALLED. CONTRACTOR SHALL PROVIDE ALL UTILITY AND SUPPORT REQUIREMENTS AS NECESSARY.
5. WHERE EQUIPMENT AND CASEWORK/ MILLWORK INFORMATION IS NOT INDICATED ON EQUIPMENT PLANS, REFER INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
6. ALL FURNITURE SHALL BE OWNER FURNISHED - CONTRACTOR INSTALLED, UNLESS NOTED OTHERWISE.
7. VERIFY LOCATIONS OF MOBILE FILE PEDESTALS (C.F.C.I.) IN FIELD WITH OWNER. COORDINATE LOCATIONS OF COUNTERTOP SUPPORT BRACKETS, POWER AND DATA RECEPTACLES AND GROMMETS WITH FINAL MOBILE PEDESTAL LOCATIONS. SUBMIT MILLWORK/CASEWORK SHOP DRAWINGS AFTER CONFIRMING LOCATIONS WITH OWNER.
8. ALL EQUIPMENT, MILLWORK, HARDWARE AND ACCESSORIES MUST BE NON FERRO-MAGNETIC AND MRI COMPATIBLE WITHIN ROOM LAB-5 105-3.
9. SEE SITE SPECIFIC MRI EQUIPMENT PLANS FOR MORE INFORMATION.



Wayne State
University

461 Burroughs St.
Detroit, MI 48202

I2C MRI
Installation -
Lab 5 Fit-Out

461 Burroughs St.
Detroit, MI 48202

Date Issued For
06/07/2019 Design Development
07/12/2019 Owner Review
08/12/2019 Bids / Permits
09/05/2019 Addendum 2

HED

26913 Northwestern Hwy
Suite 200
Southfield, Michigan
48033 USA

(248) 262-1500

WWW.HED.DESIGN

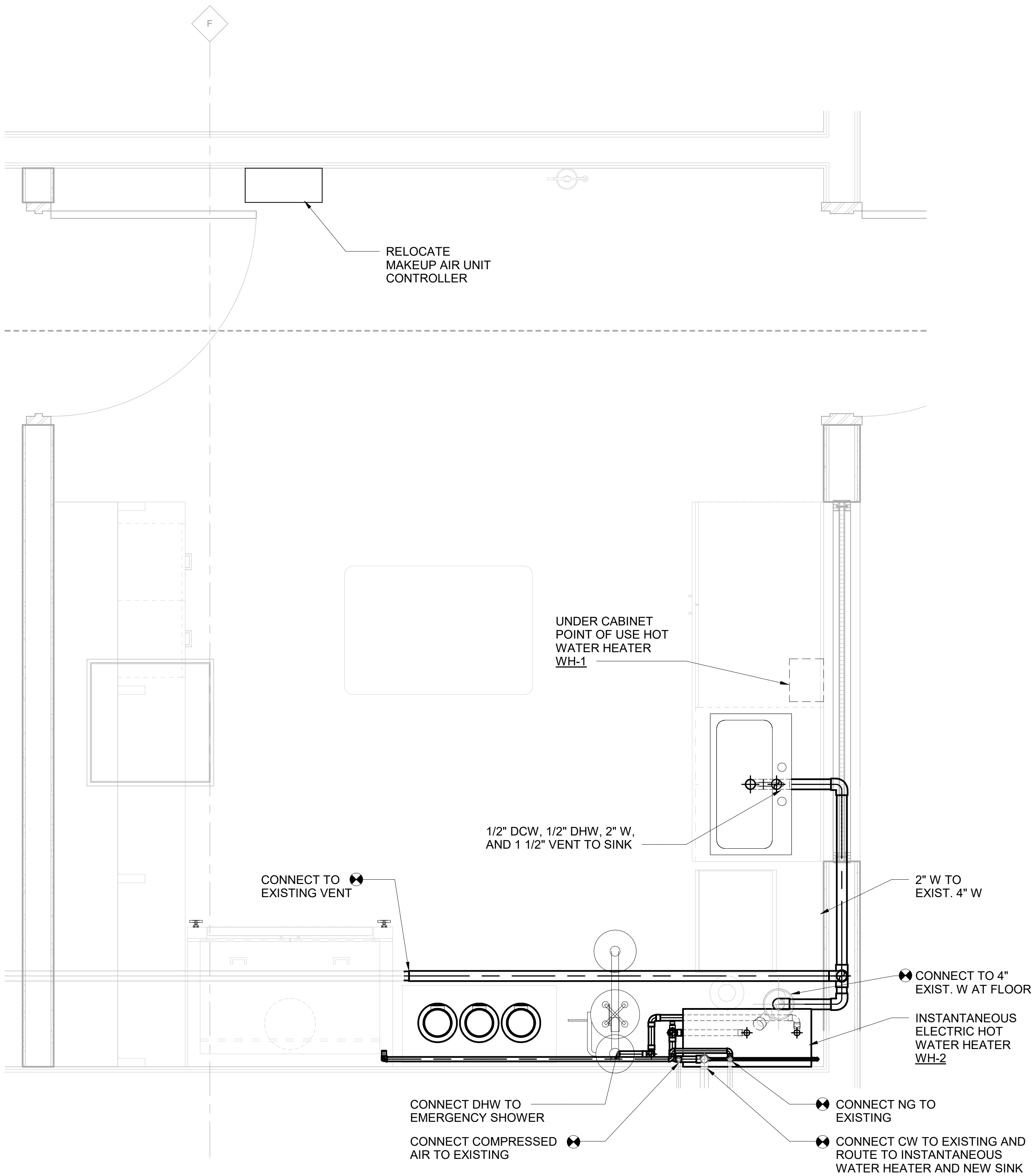
© 2019

2017-03497-000
CLIENT'S PROJECT NUMBER: 212-313128

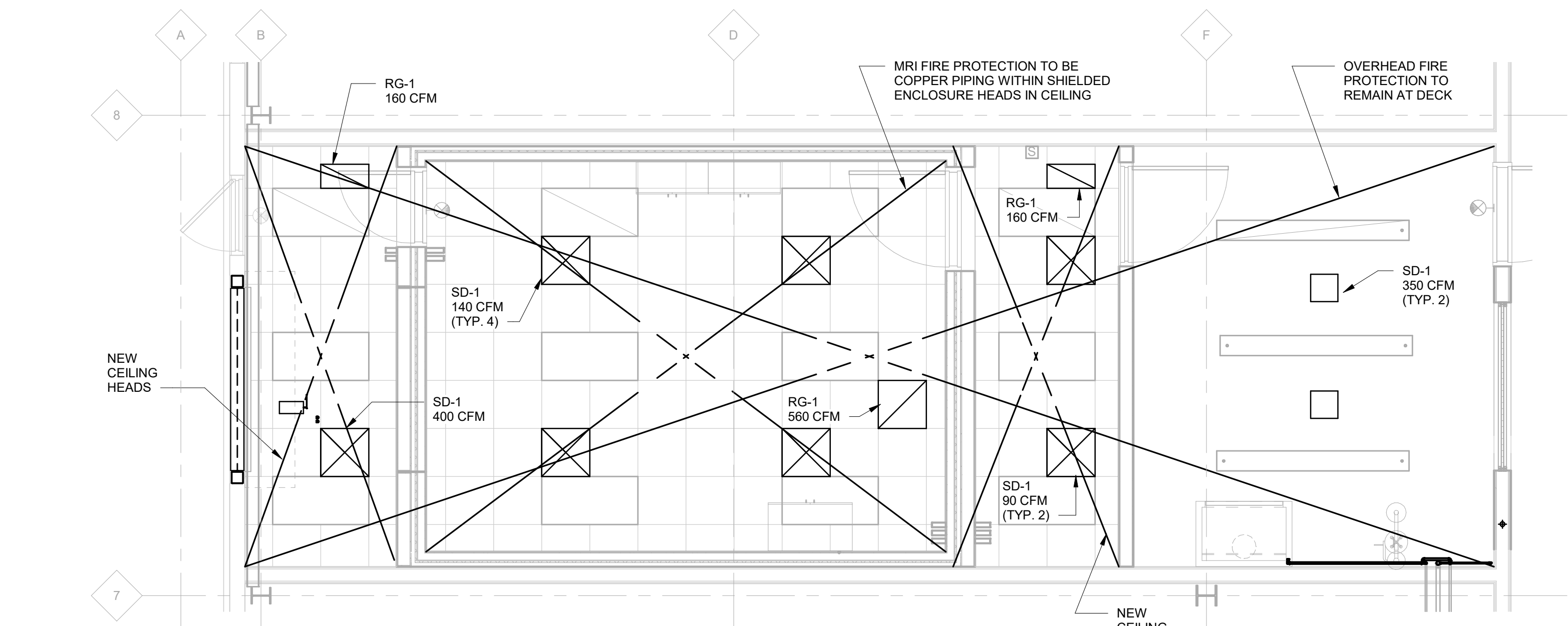
Equipment and
Finishes Plan

A-161

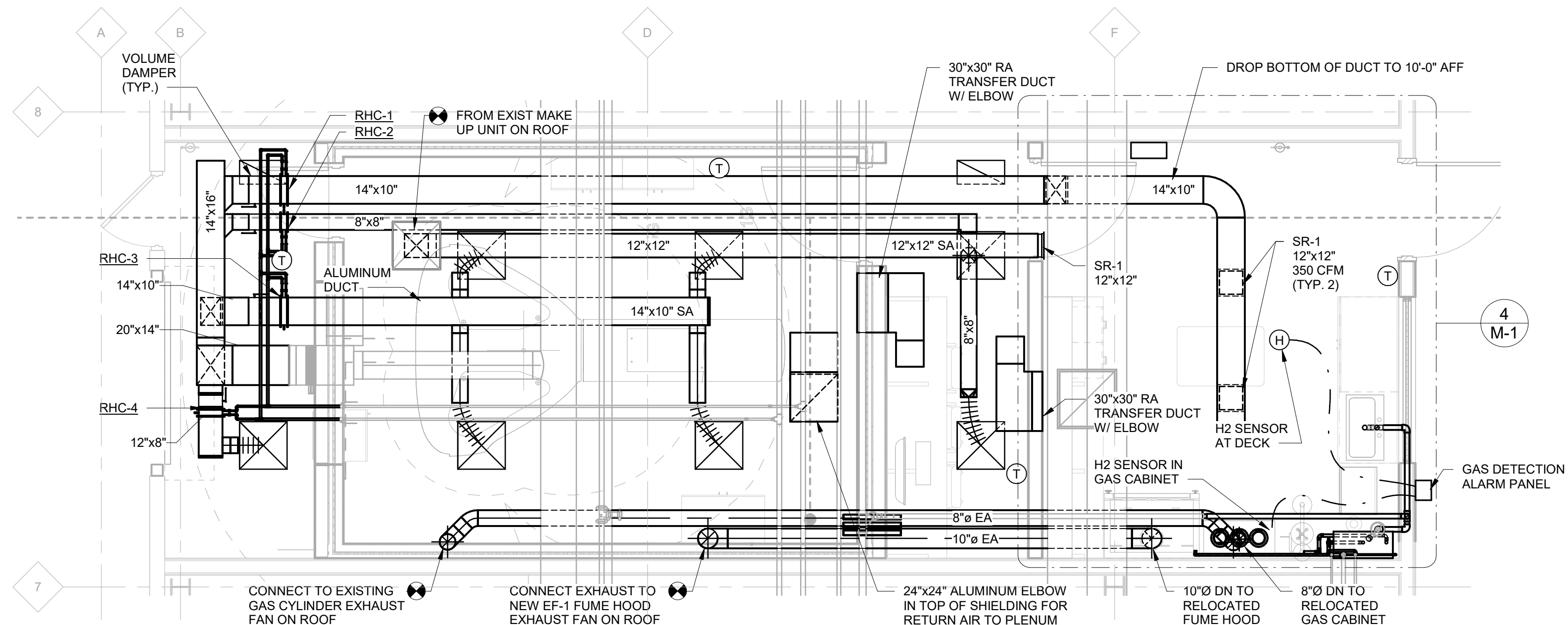
SCALE: 1/4" = 1'-0"



CHEMISTRY ENLARGED PLUMBING PLAN
SCALE: 3/4" = 1'-0"



FIRST FLOOR REFLECTED CEILING PLAN/FIRE PROTECTION
SCALE: 1/4" = 1'-0"



FIRST FLOOR COMBINED NEW WORK PLAN
SCALE: 1/4" = 1'-0"

NOTE 1:

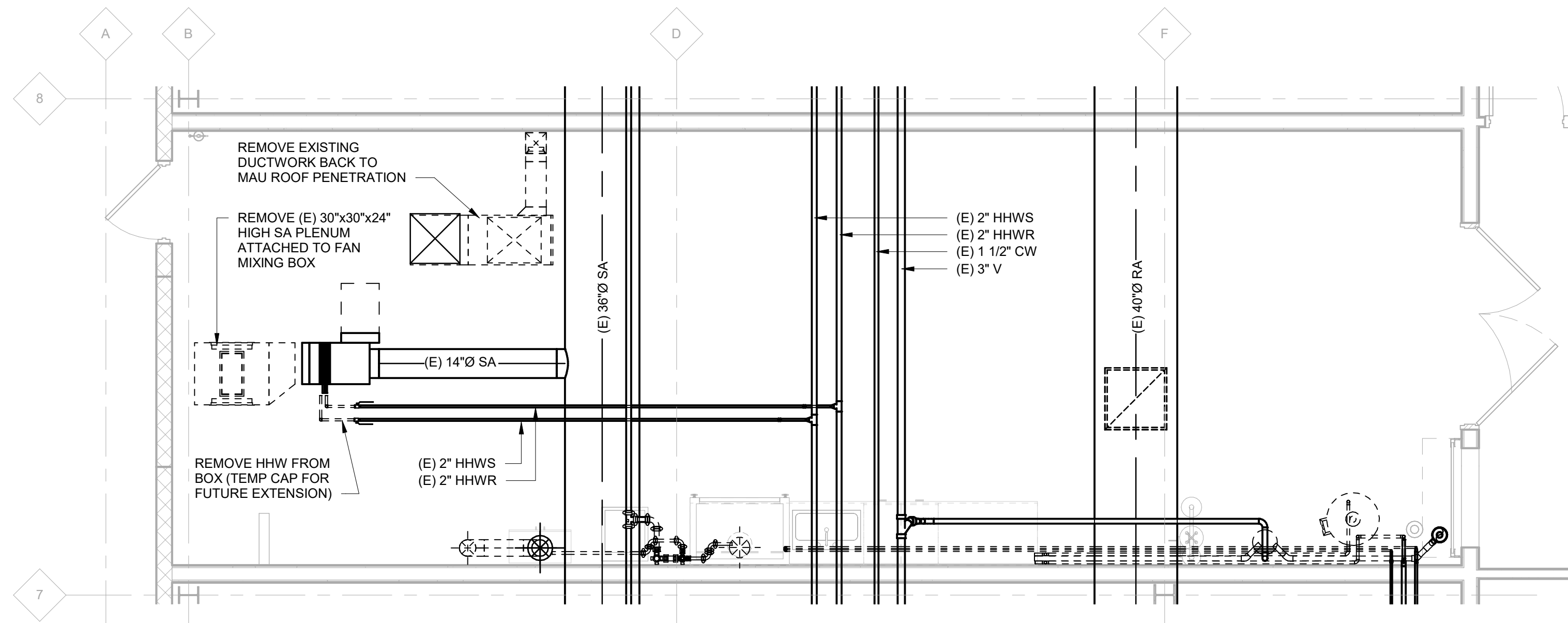
- GAS DETECTION BY CORITECH CONSISTING OF
- QTY: 1 MSA ULTIMA X3 TRANSMITTER
 - QTY: 2 MSA ULTIMA X H₂ SENSOR
 - QTY: 1 MSA ULTIMA X O₂ SENSOR
 - QTY: 1 CORITECH GAS DETECTION CONTROL PANEL
 - QTY: 3 RAB AUDIBLE/VISUAL ALARM BEACON
 - 2 AT INGRESS LOCATION; 1 INSIDE ROOM

NOTE 2:

- REPLACE BELT ON GAS CABINET EXHAUST FAN

NOTE 3:

- PERFORM WINTER HEATING VERIFICATION OF EXISTING MAKE UP AIR UNIT



FIRST FLOOR COMBINED DEMO PLAN
SCALE: 1/4" = 1'-0"



Wayne State University

461 Burroughs St.
Detroit, MI 48202

I2C MRI
Installation -
Lab 5 Fit-Out

461 Burroughs St.
Detroit, MI 48202

Date	Issued For
06/07/2019	Design Development
07/12/2019	Owner Review
08/12/2019	Bids / Permits
09/05/2019	Addendum 2

NOT FOR CONSTRUCTION

HED

26913 Northwestern Hwy
Suite 200
Southfield, Michigan
48033 USA
(248) 262-1500
WWW.HED.DESIGN

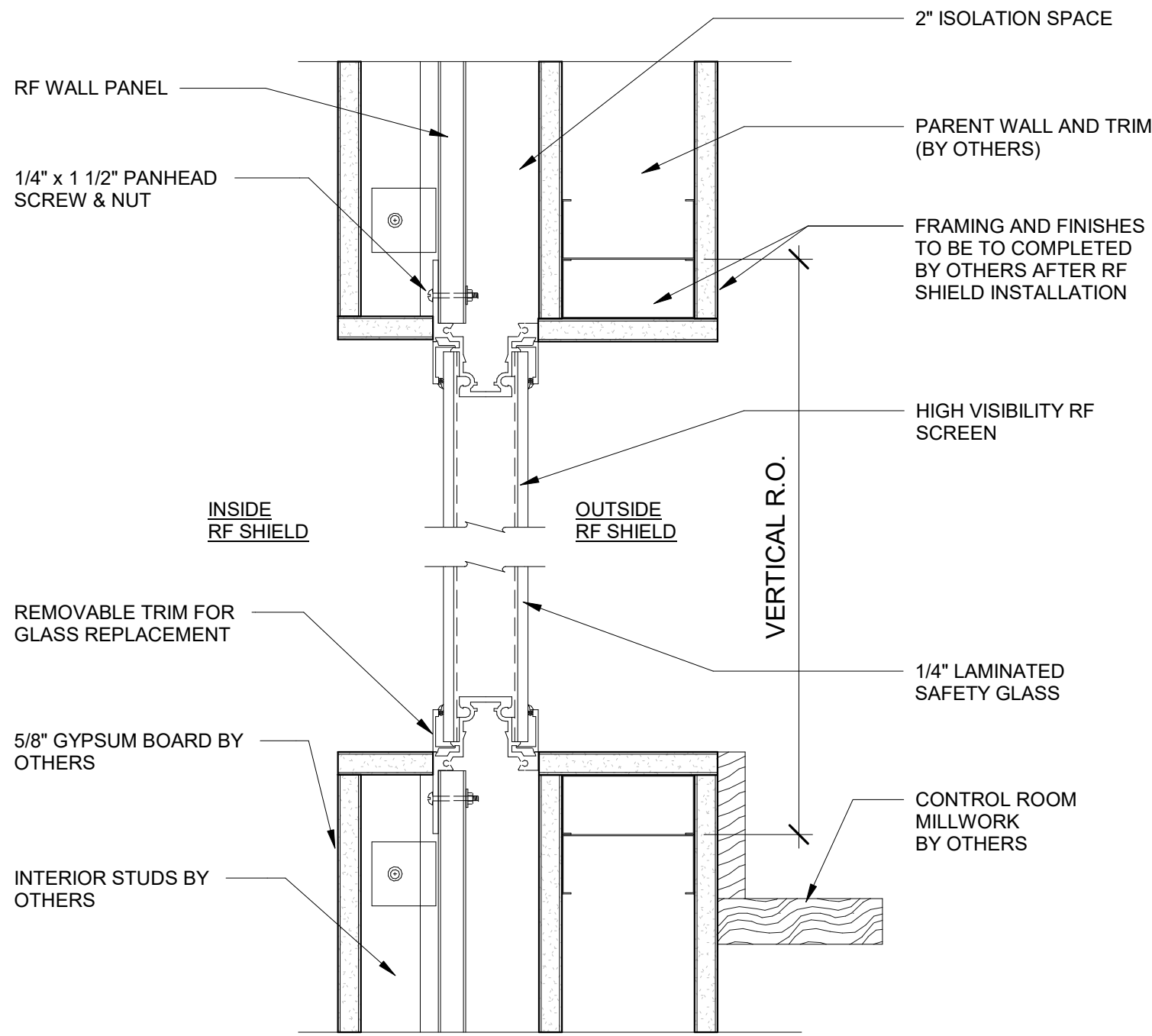
© 2019

2017-03497-000
CLIENT'S PROJECT NUMBER: 212-313128

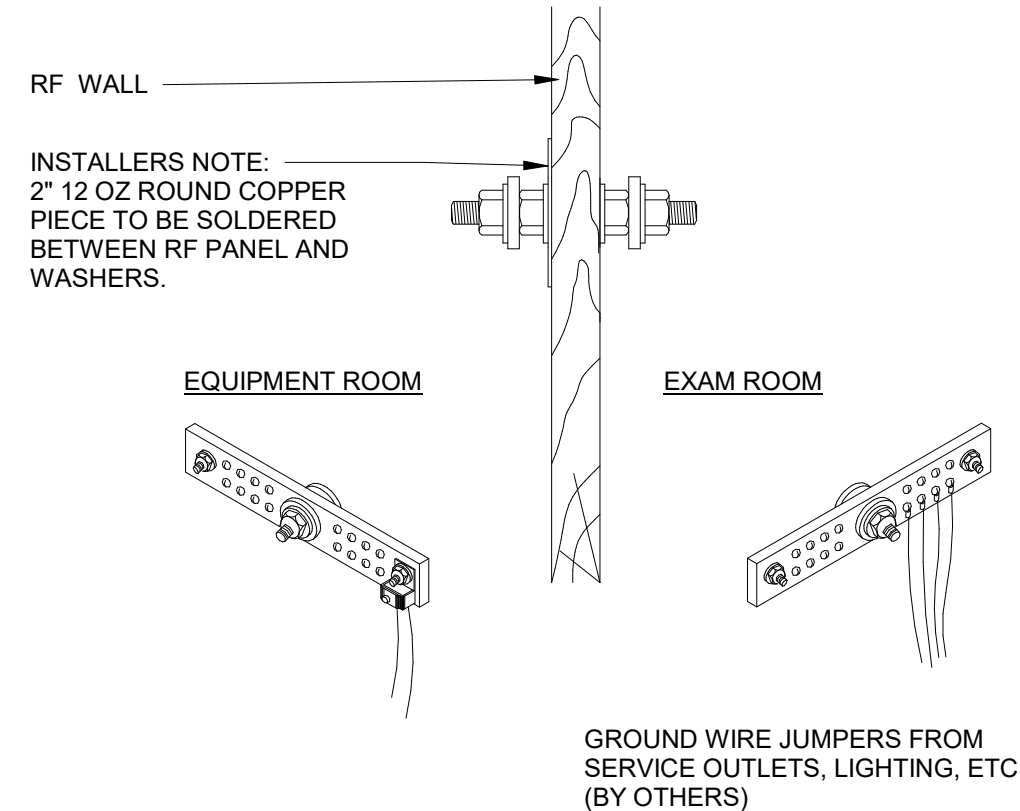
Mechanical
Combined Plans
Demo + New
Work

M-1

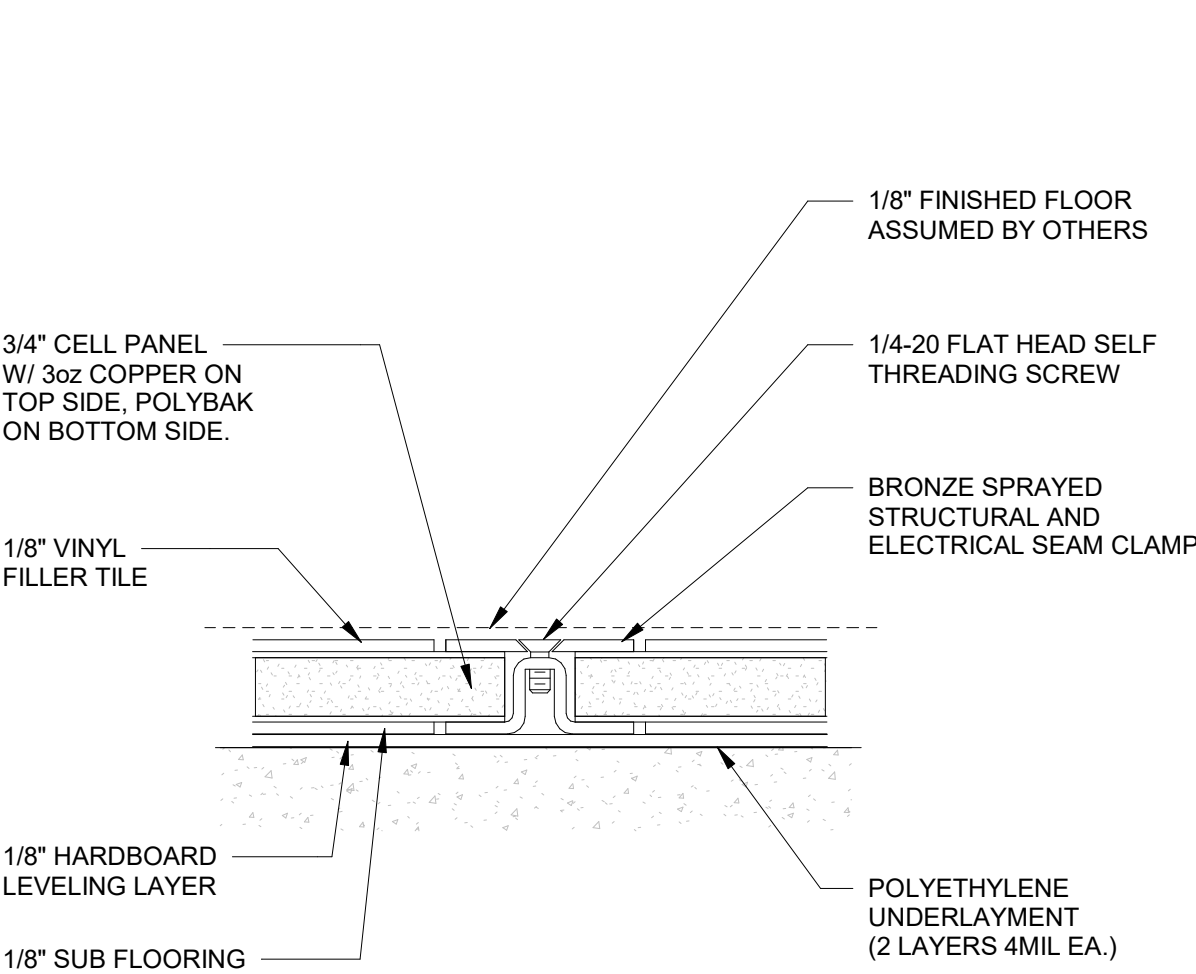
FOR REFERENCE ONLY



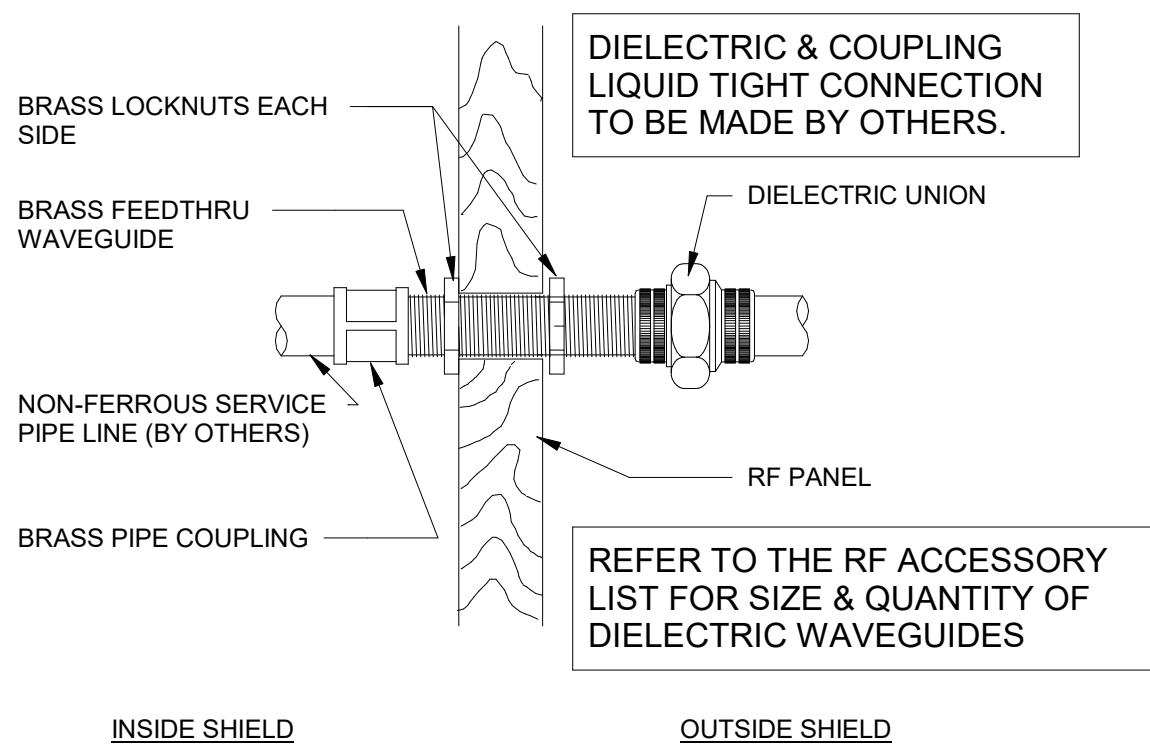
1 RF OBSERVATION WINDOW (cell wall)
3" = 1'-0"



2 GROUND BUSBAR DETAIL
6" = 1'-0"



5 FLOOR SYSTEM MODULAR CELL
6" = 1'-0"



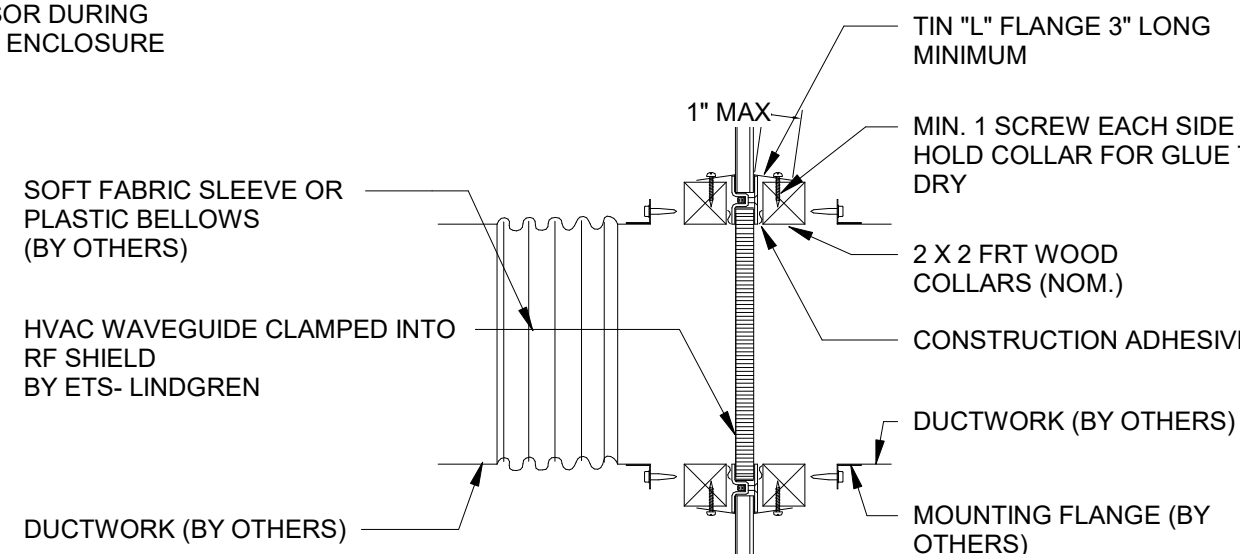
7 WAVEGUIDE DIELECTRIC (cell panel)
3" = 1'-0"

DUCT SUPPORTED
INDEPENDENT OF RF ROOM
PANELS

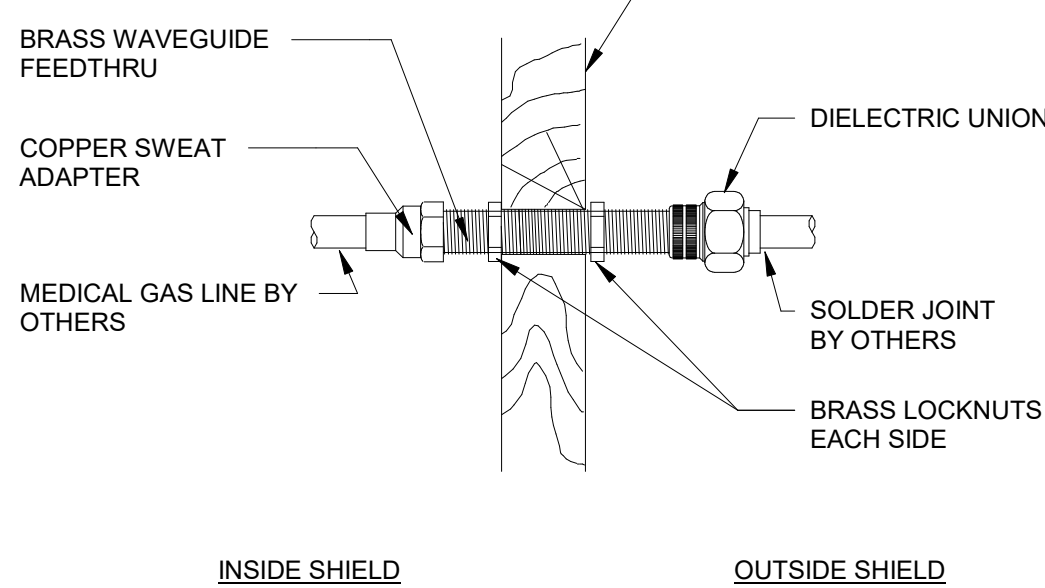
HVAC CONTRACTOR WILL BE
RESPONSIBLE FOR FINAL
ATTACHMENT OF DUCTWORK TO
WOOD COLLARS.

HVAC CONTRACTOR TO COORDINATE
INSTALLATION OF DUCTWORK WITH ETS-
LINDGREN SUPERVISOR DURING
INSTALLATION OF RF ENCLOSURE

NOTE: IT IS RECOMMENDED THAT ALL
RETURN AIR DUCTS ARE FILTERED AT THE
FINISH GRILL. THIS WILL REDUCE OR
ELIMINATE DUST BUILD-UP AT THE RF
WAVEGUIDE PENETRATION.
ALTERNATIVELY AN ACCESS HATCH COULD
BE INSTALLED AT THE OUTSIDE OF RF
SHIELD FOR FUTURE CLEANING ACCESS.

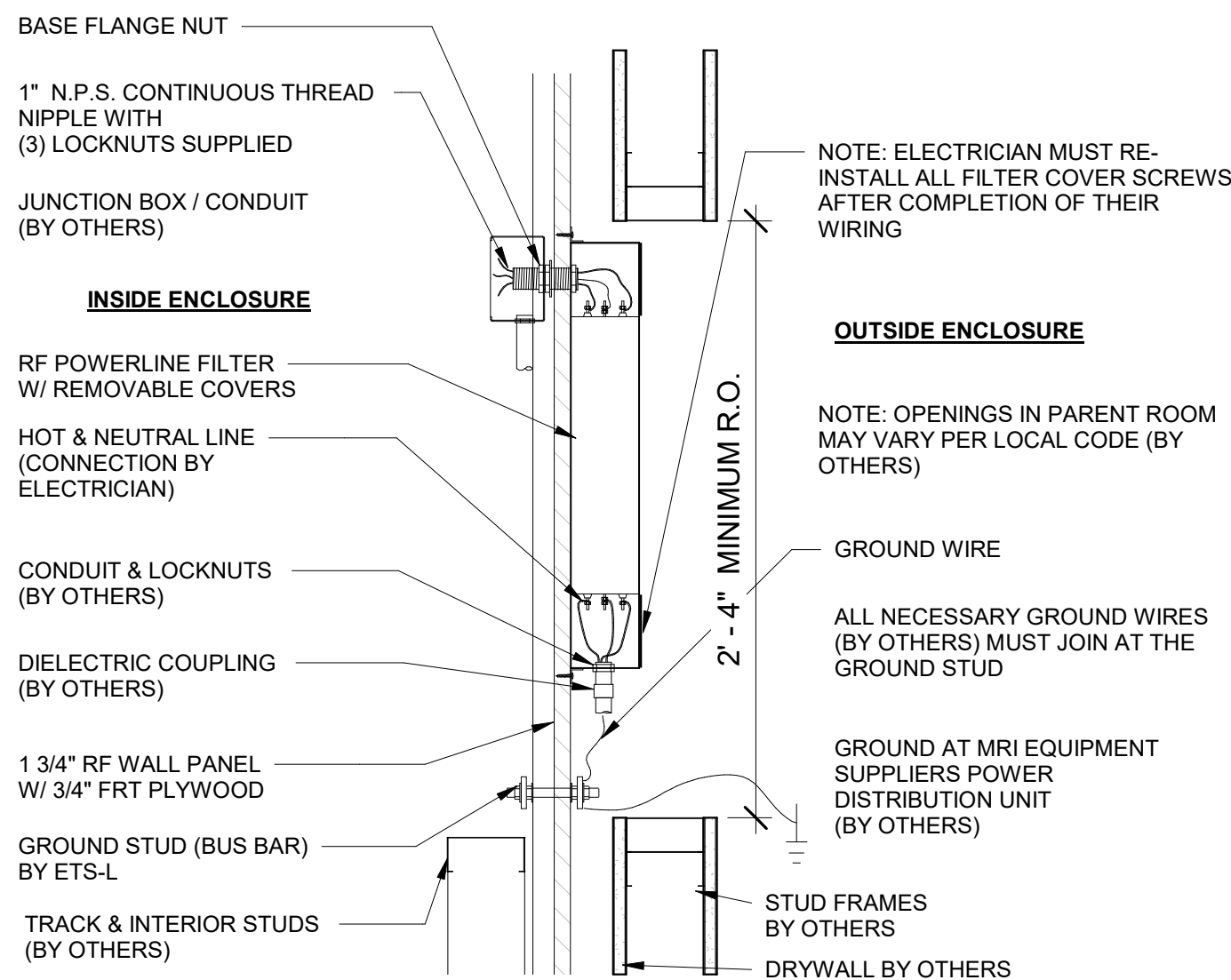


6 WAVEGUIDE AIRVENT WALL PENETRATIONS (cell)
1 1/2" = 1'-0"



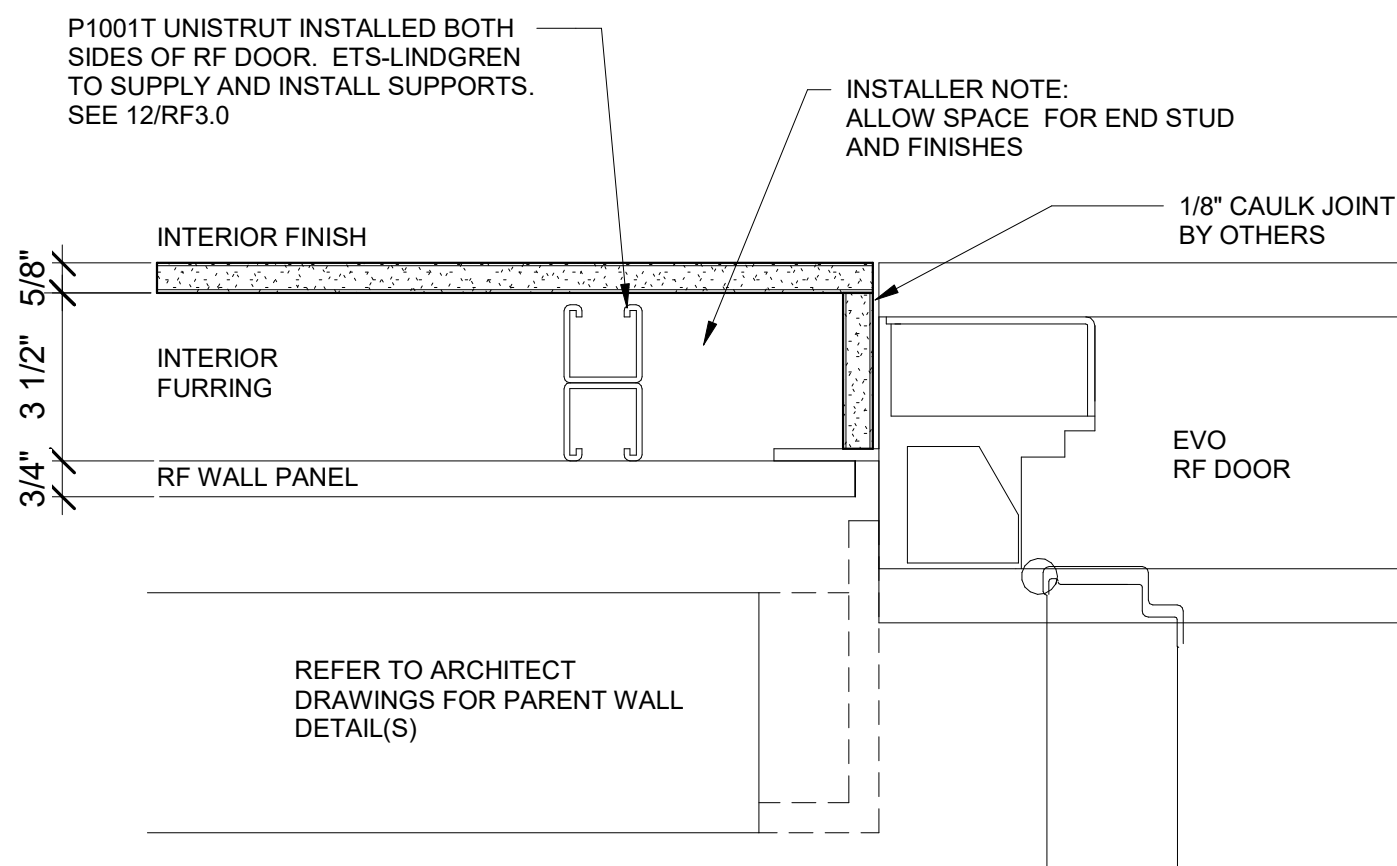
8 WAVEGUIDE MEDGAS PENETRATION (dielectric cell panel)
3" = 1'-0"

NOTE TO ELECTRICIAN:
DO NOT LOOSEN BASE FLANGE NUT
AGAINST RF WALL ON RF FILTER NIPPLE.
DOING SO COULD CAUSE RF SHIELD
INTEGRITY LOSS.



CAUTION: TO AVOID POSSIBLE ELECTRICAL SHOCK,
GROUND STUD MUST BE INSTALLED AND GROUND WIRE
MUST BE ATTACHED TO GROUND BEFORE POWER IS
APPLIED TO FILTER.

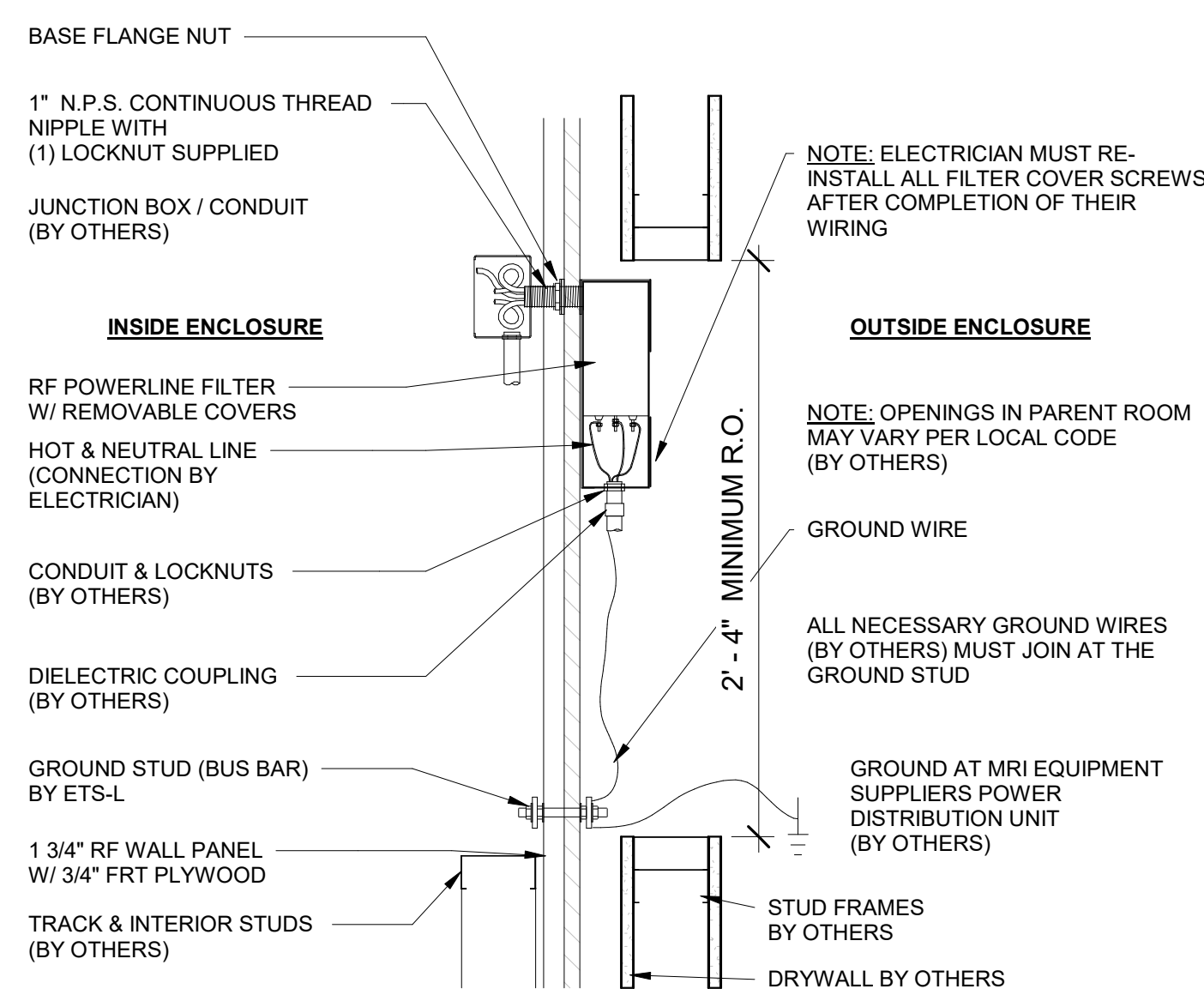
3 RF ELECTRICAL POWER FILTER "ELUL / EQ" DETAIL
1 1/2" = 1'-0"



9 DOOR STIFFENER OUTSWING EVO RF DOOR (cell wall)
3" = 1'-0"

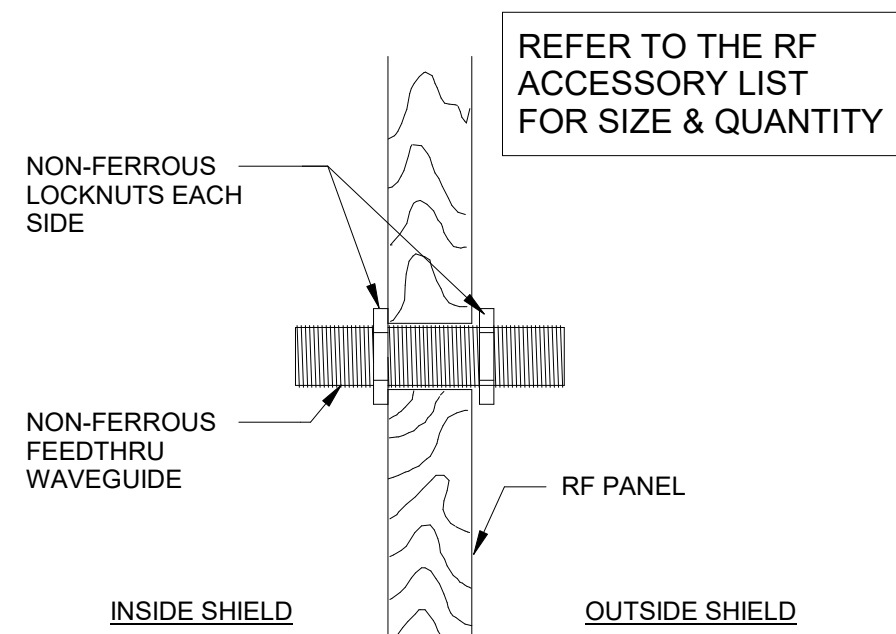
ALL WIRING BY OTHERS

NOTE TO ELECTRICIAN:
DO NOT LOOSEN BASE FLANGE NUT
AGAINST RF WALL ON RF FILTER NIPPLE.
DOING SO COULD CAUSE RF SHIELD
INTEGRITY LOSS.



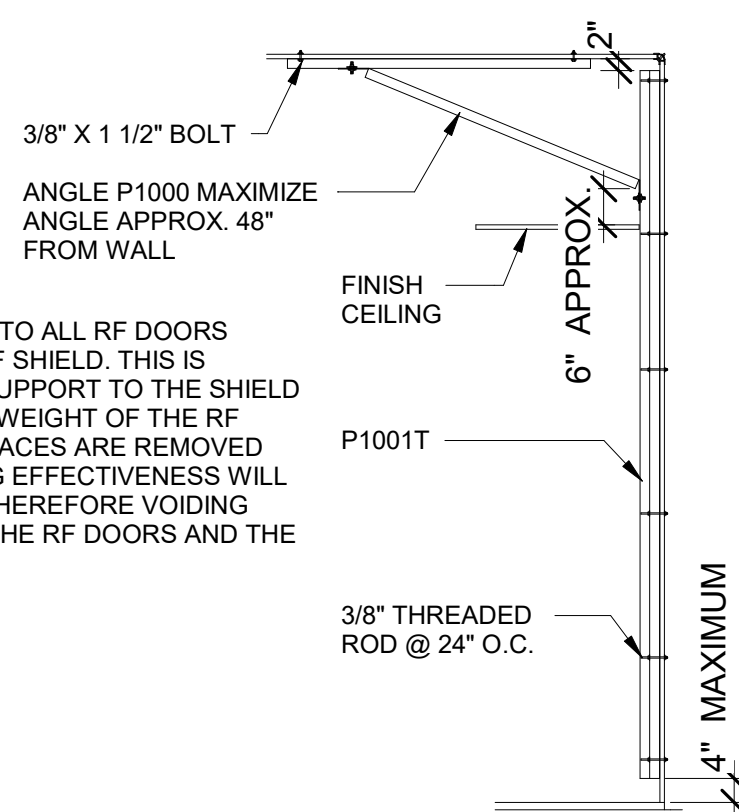
CAUTION: TO AVOID POSSIBLE ELECTRICAL SHOCK,
GROUND STUD MUST BE INSTALLED AND GROUND WIRE
MUST BE ATTACHED TO GROUND BEFORE POWER IS
APPLIED TO FILTER.

4 RF ELECTRICAL POWER FILTER "LMF" DETAIL
1 1/2" = 1'-0"



10 WAVEGUIDE FEEDTHRU (cell panel)
3" = 1'-0"

NOTE:
THIS DETAIL APPLIES TO ALL RF DOORS
ATTACHED TO THE RF SHIELD. THIS IS
REQUIRED TO GIVE SUPPORT TO THE SHIELD
PANELS DUE TO THE WEIGHT OF THE RF
DOORS. IF THESE BRACES ARE REMOVED
THE DOOR SHIELDING EFFECTIVENESS WILL
BE COMPROMISED, THEREFORE VOIDING
ANY WARRANTY ON THE RF DOORS AND THE
RF SHIELD.



11 DOOR STIFFENER (cell wall)
3/8" = 1'-0"

DETAILS

SHEET TITLE:

Description

REVISIONS:
Rev. Date By

Project Name

PROJECT TITLE:

DRAWN BY:

REFERENCE:

DATE:

SCALE:

JOB NO:

MD

DRAWING NO:

RF3.0

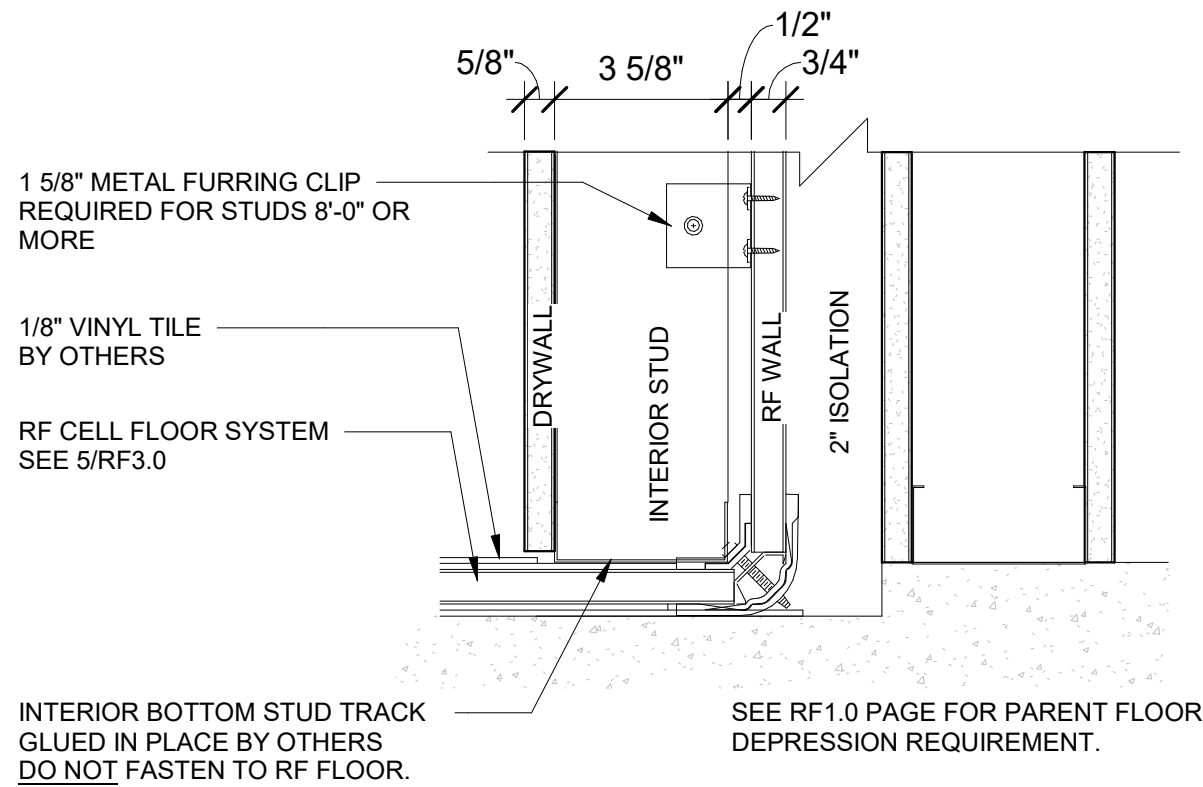
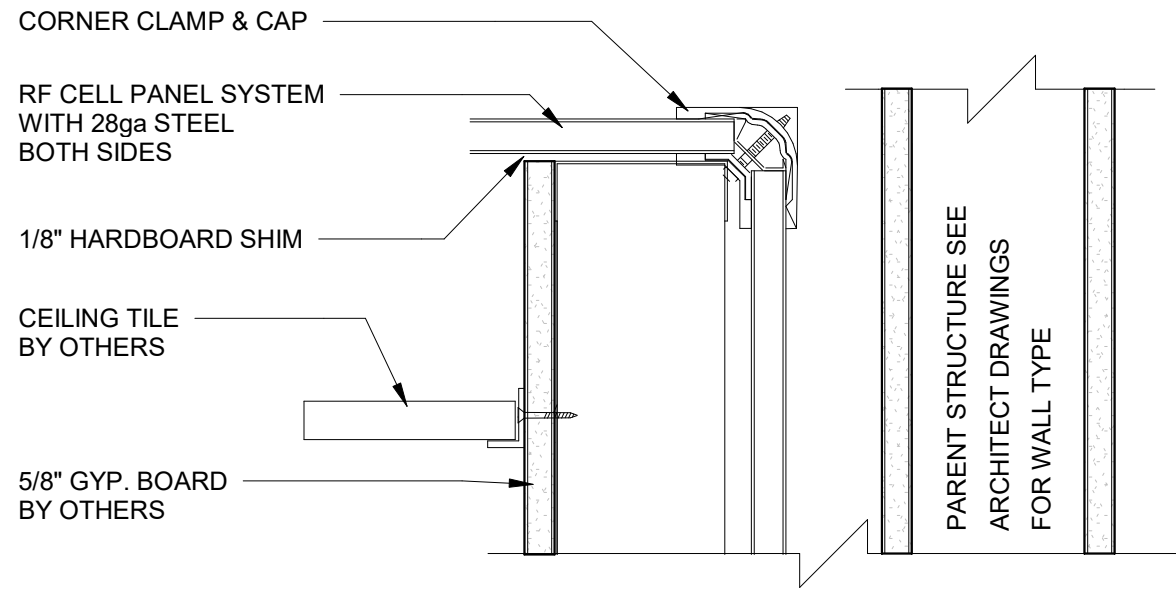
Enter address here

Author

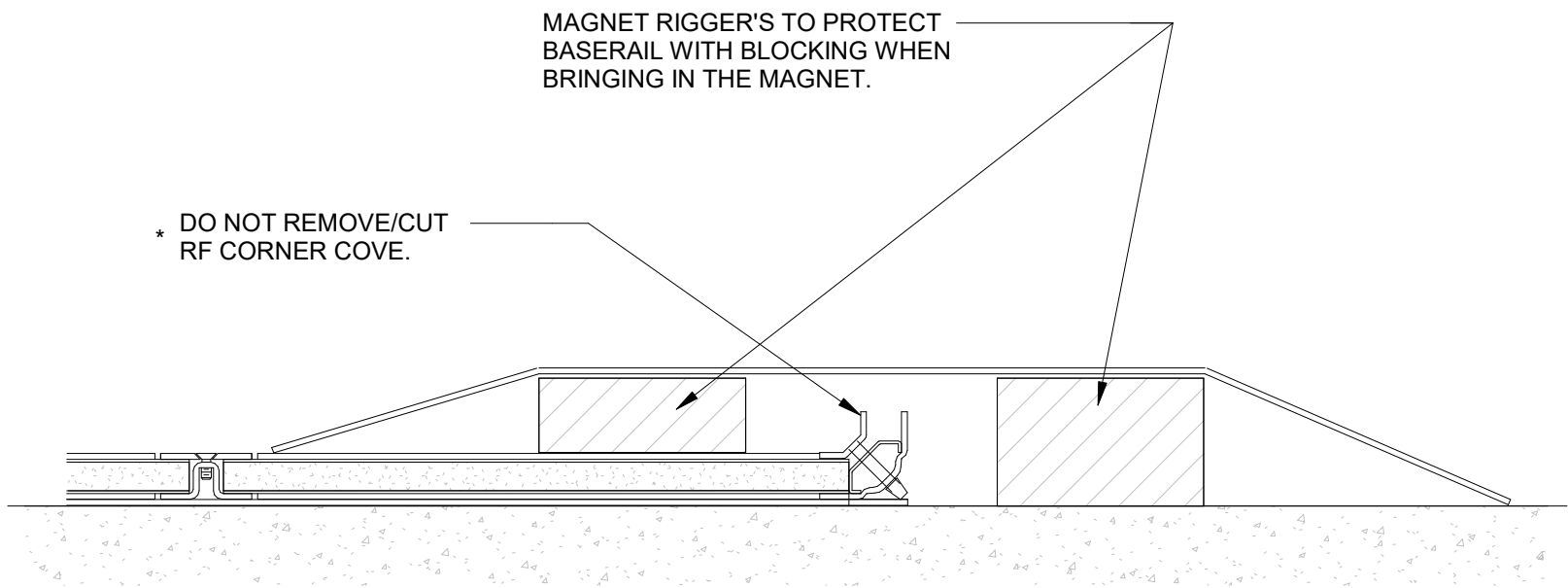
Issue Date

As indicated

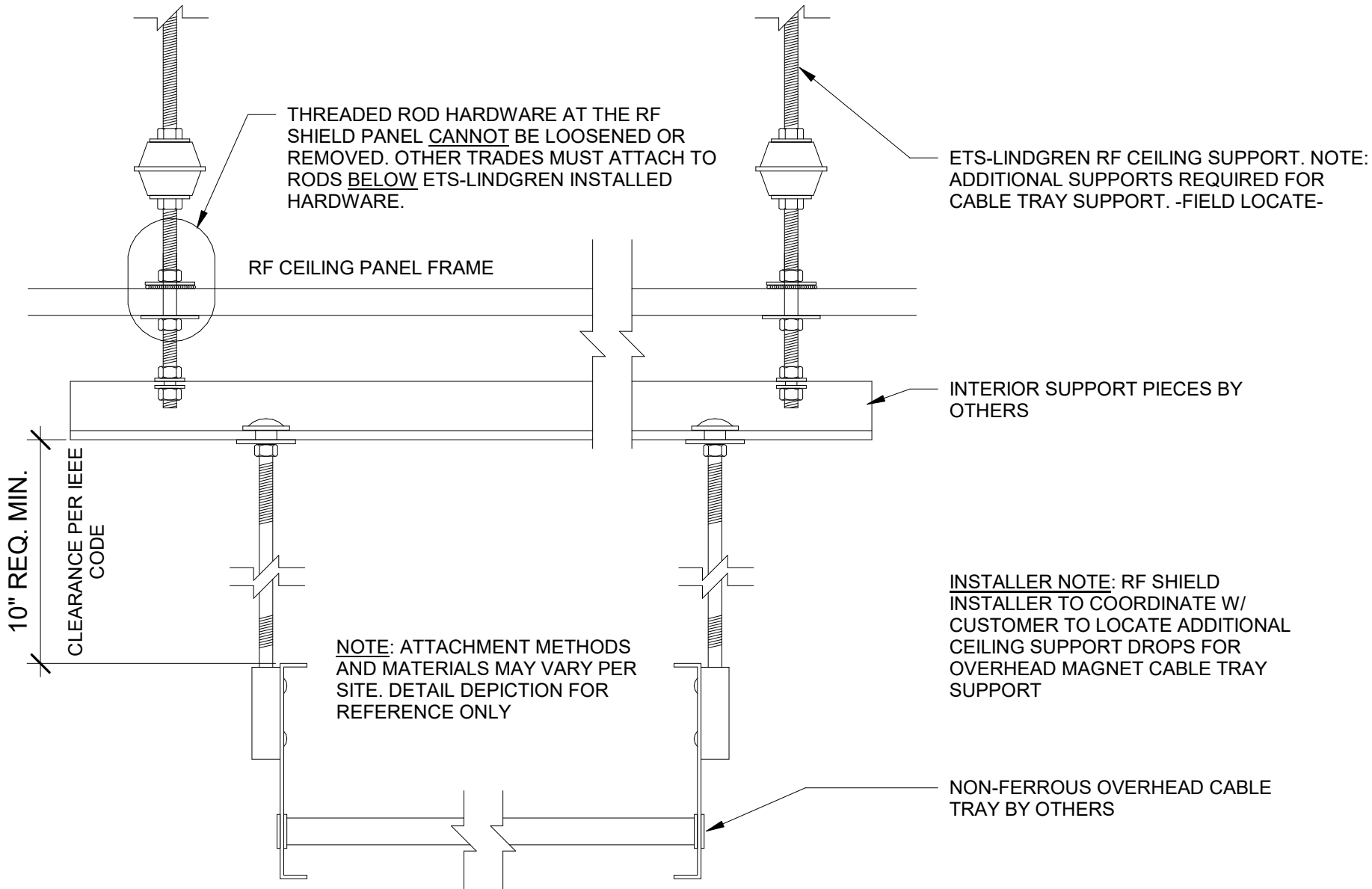
REV:



1 WALL SECTION (cell wall - cell floor, 3 5/8" stud)
3" = 1'-0"



2 FLOOR DETAIL AT MAGNET ACCESS (cell wall - cell floor)
3" = 1'-0"



3 CABLE TRAY SUPPORT DETAIL (cell ceiling)
3" = 1'-0"

IMPORTANT:
ALL OVERHEAD SUPPORTS WILL HAVE TO BE CONNECTED DIRECTLY TO THE THREADED ROD RF SUPPORTS AND/OR ANY ADDITIONAL SUPPORTS REQUIRED MUST BE LAID-OUT AT TIME OF RF INSTALL SO ETS-LINDGREN PERSONEL CAN INSTALL AND RF SEAL THE PENETRATION. DO NOT PENETRATE THE RF SHIELD WITHOUT PRIOR APPROVAL FROM ETS-LINDGREN

DETAILS

SHEET TITLE:

This drawing and any other materials which have been originated and developed by ETS•LINDGREN and have been submitted to the customer for review and approval are the exclusive property of ETS•LINDGREN, unless otherwise expressly agreed to in writing by ETS•LINDGREN. This drawing is not to be reproduced or used in any manner without the express written permission of ETS•LINDGREN. ETS•LINDGREN products and services are not to be used by any other supplier. Further, Customer shall not reproduce or copy this document either in whole or in part without the express written permission of ETS•LINDGREN.

Rev.	Date	By	Description

PROJECT TITLE:	Project Name
ADDRESS:	Enter address here

DRAWN BY:	Author
REFERENCE:	--
DATE:	Issue Date
SCALE:	3" = 1'-0"

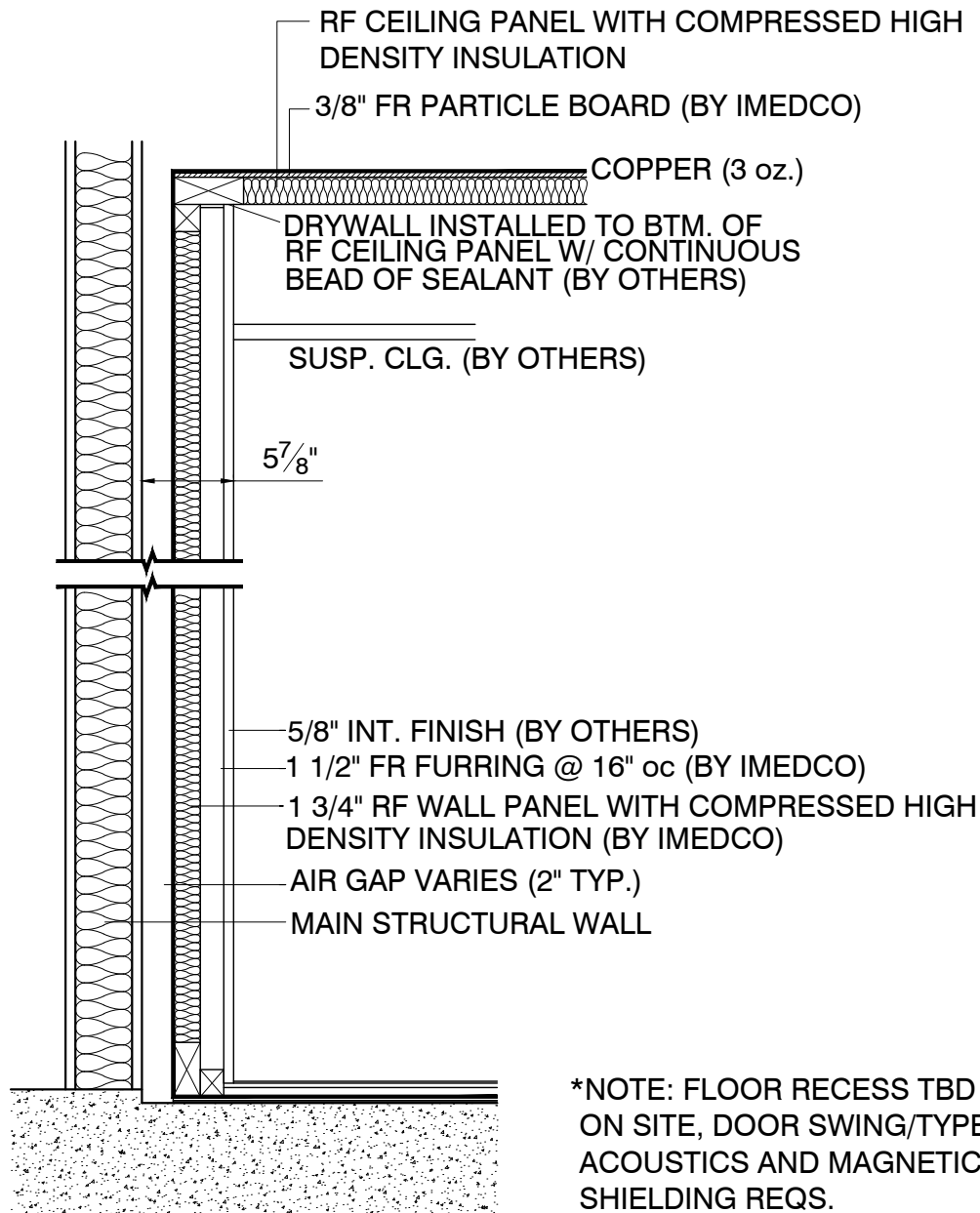
JOB NO:	REV:
MD	

DRAWING NO:
RF3.1

GRADE 1 "ALTERNATE" RF-WALL / CEILING DETAILS

SilentSHIELD™ PACKAGES

7-10 dB TYPICAL
STC WALL - 37
STC CEILING - 32



IMEDCO USES CLASS "A" FIRE RETARDANT "FR" COATED OR IMPREGNATED WOOD IN ALL WALL & CEILING APPLICATIONS.

The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

Drawn By: CS	Drawing Name:
Checked By: KMA	DETAIL SHEET
Revision: .	Project No:
Date: .	Date: 4.8.2019
Dwg No:	Page No:
SPG25-D4	4

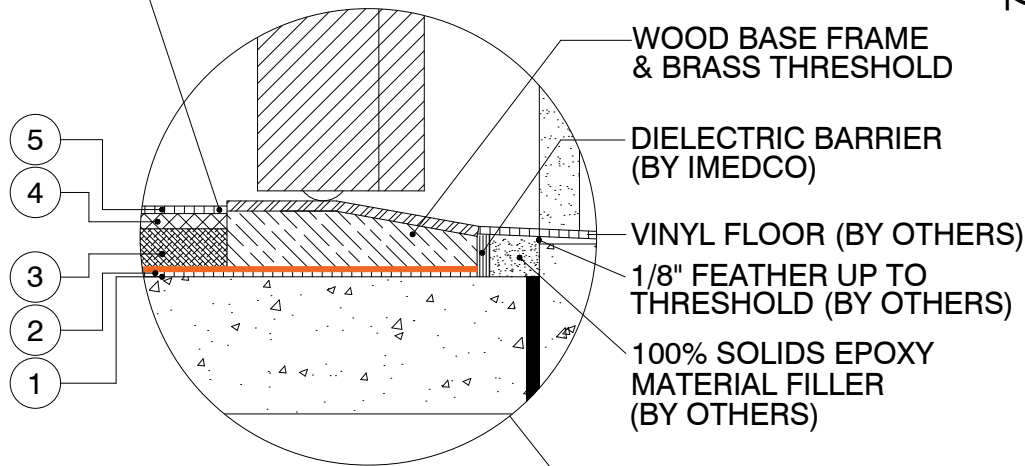
1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

LEGEND

- 1 "ARDEX MC RAPID" ,OR EQUIVALENT ,MOISTURE CONTROL SYSTEM, [PROVIDED & INSTALLED BY OTHERS]
- 2 COPPER (5 OZ),18"X18" ADHESIVE TILES & "3M" DOUBLE SIDED TAPE ($\frac{1}{8}$ "), [PROVIDED & INSTALLED BY IMEDCO]
- 3 $\frac{1}{2}$ " CEMENT BOARD
- 4 $\frac{1}{4}$ " CEMENT BOARD
- 5 VINYL FLOOR (ANTI-STATIC) (BY OTHERS)

NOTE:
TYPICAL SCENARIO REPRESENTED. FLOOR BUILD-UP AND RAMP HEIGHT WILL CHANGE DUE TO MAGNETIC SHIELDING AND IF MRI EQUIPMENT IS PHILIPS.

1/4" FEATHER UP TO THRESHOLD (BY OTHERS)



WOOD BASE FRAME & BRASS THRESHOLD

DIELECTRIC BARRIER (BY IMEDCO)

VINYL FLOOR (BY OTHERS)

1/8" FEATHER UP TO THRESHOLD (BY OTHERS)

100% SOLIDS EPOXY MATERIAL FILLER (BY OTHERS)

MRI FFL
+3/8" -1/2"
-13mm

CONC.
±0.00

RECOMMENDED ISOLATION JOINT (BY OTHERS)

EXAMINATION ROOM:
FINISHED STRUCTURAL FLOOR MUST BE;
1. WATERPROOFED AND DRY.
IMEDCO RECOMMENDS,"ARDEX MC RAPID" ,OR EQUIVALENT,MOISTURE CONTROL SYSTEM,[PROVIDED & INSTALLED BY OTHERS]
2. FLAT & LEVEL WITHIN $\pm \frac{1}{16}$ " per 3' AND $\pm \frac{1}{8}$ " OVERALL.

IMEDCO USES CLASS "A" FIRE RETARDANT "FR" WOOD IN ALL WALL & CEILING APPLICATIONS

The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

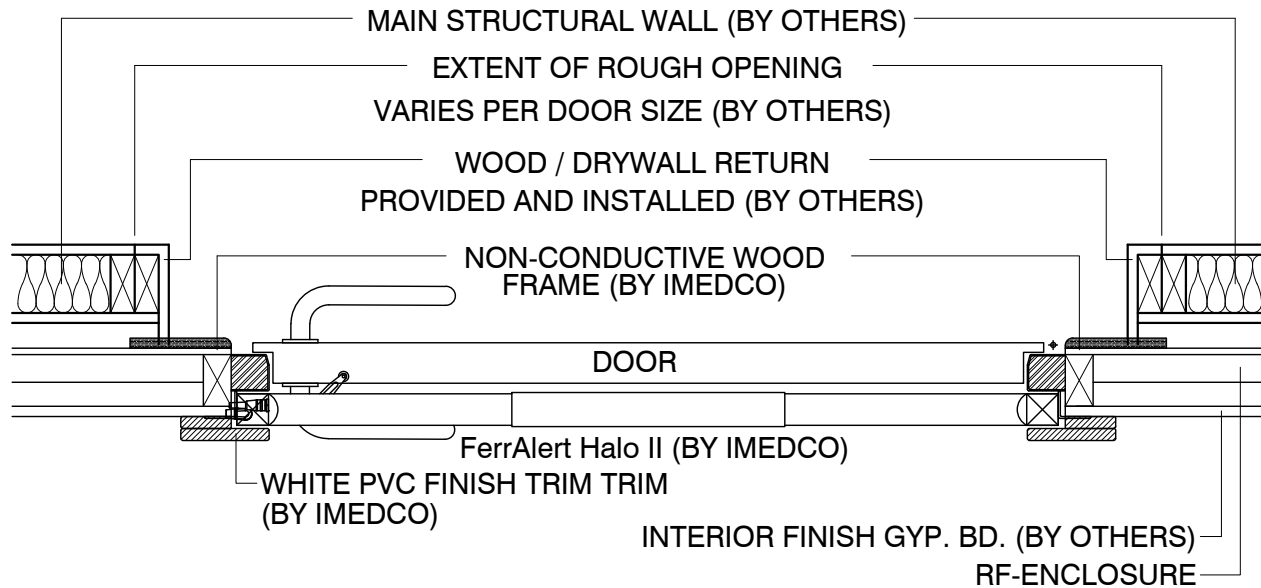
Drawn By: CS	Drawing Name: DETAIL SHEET
Checked By: KMA	
Revision: .	Project No: .
Date: .	Date: 4.8.2019

Dwg No: SPG25-D18

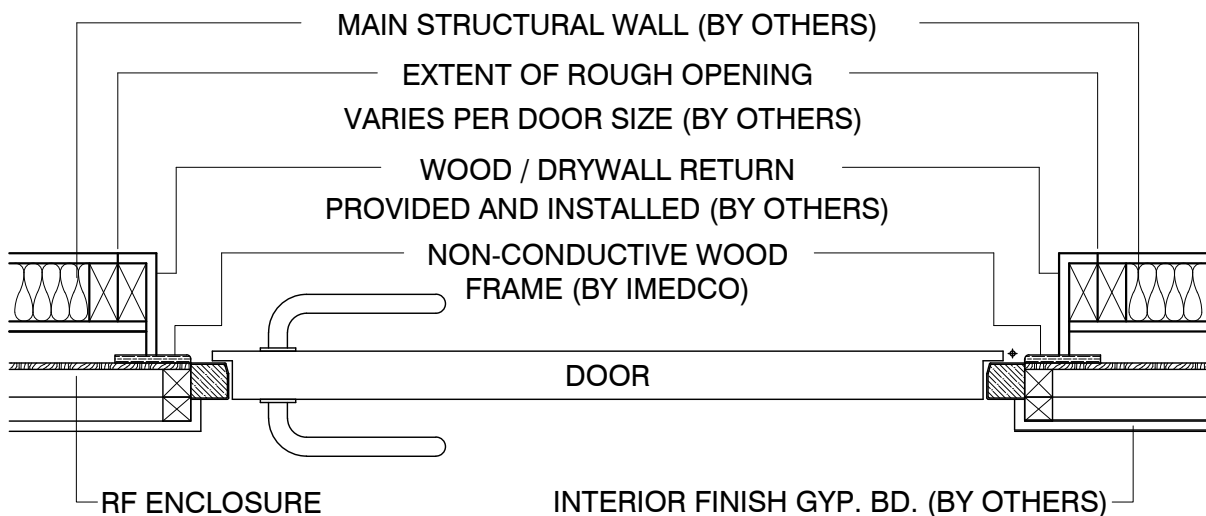
Page No: 18

DOOR FINISH DETAILS

Copper **SilentSHIELD™** Outswing Door w/ FerrAlert Halo II Detector



Copper **SilentSHIELD™** Outswing door



The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

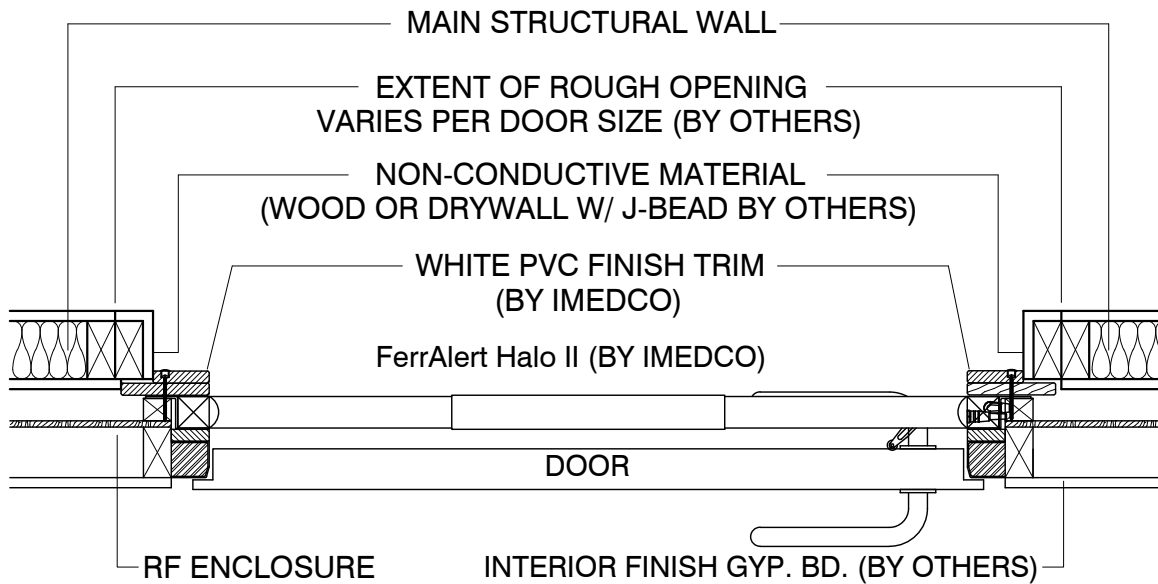
PROJECT:

Drawn By: CS	Drawing Name:
Checked By: KMA	DETAIL SHEET
Revision: .	Project No:
Date: .	Date: 4.8.2019
Dwg No:	Page No:
SPG25-D22	22

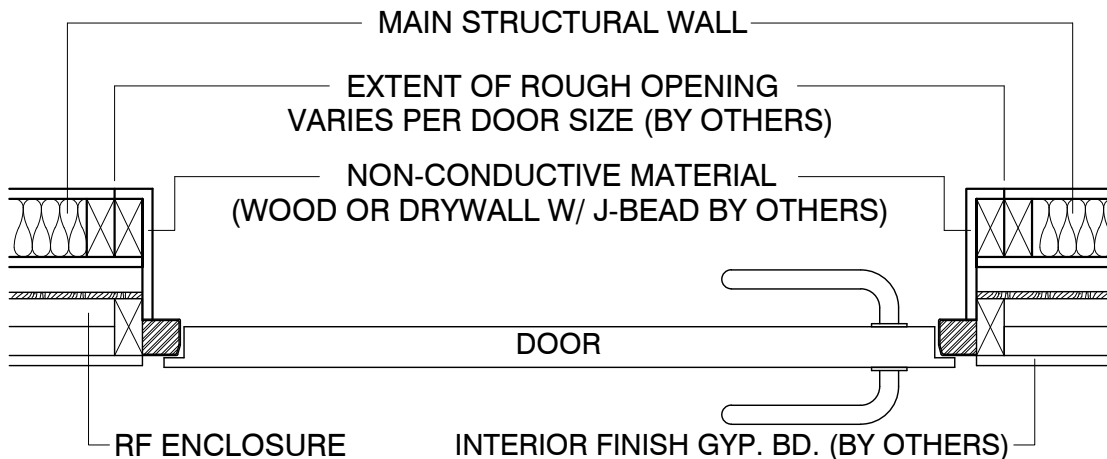
1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

DOOR FINISH DETAILS

Copper **SilentSHIELD™** Inswing Door w/ FerrAlert Halo II Detector



Copper **SilentSHIELD™** Inswing door



The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

Drawn By: CS
Checked By: KMA
Revision: .
Date: .
Project No: .
Date: 4.8.2019

Dwg No: SPG25-D24

Page No: 24

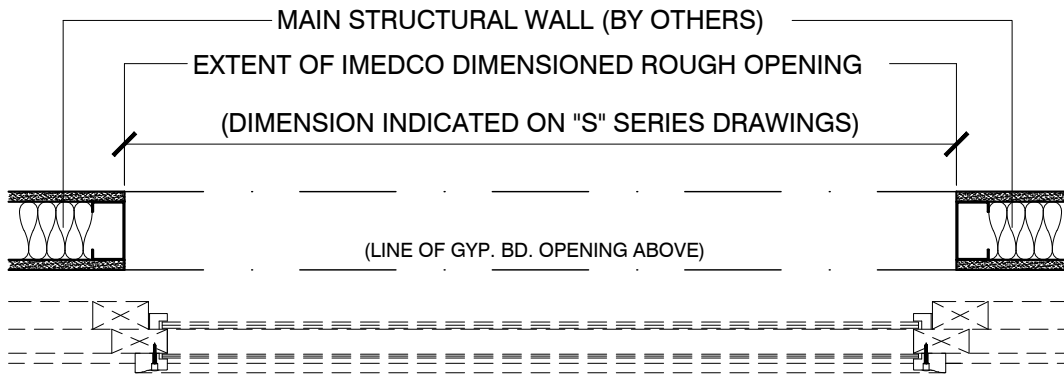
1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

WINDOW FINISH DETAILS

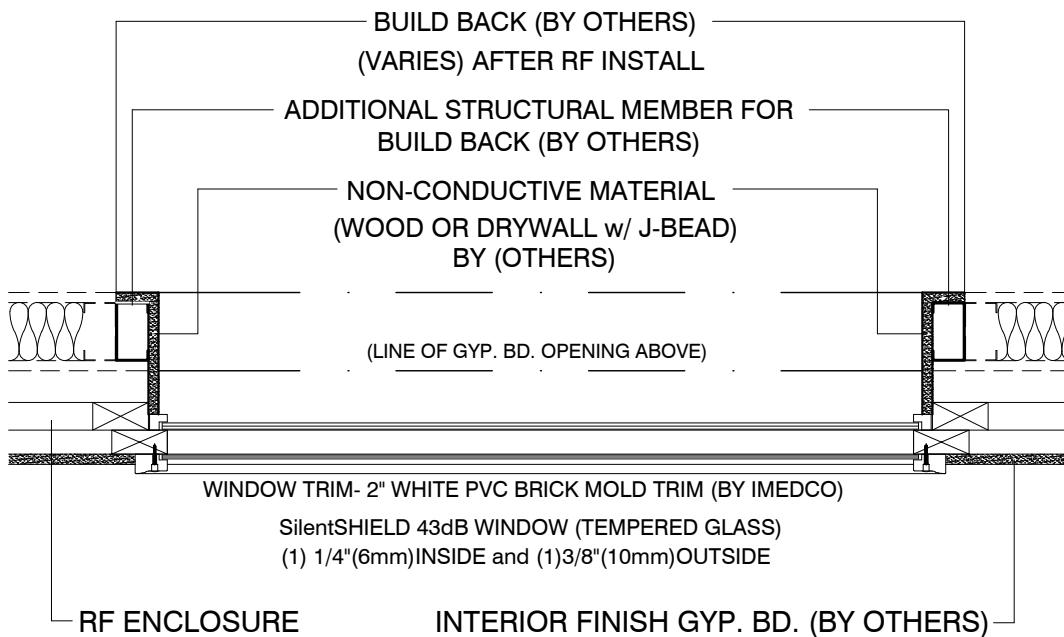
TYPICAL **SilentSHIELD™** 43dB Technician RF Window Detail

NOTE: LARGER WINDOWS WILL REQUIRE A MULLION FOR SUPPORT.

* BEFORE RF ENCLOSURE INSTALLATION *



* AFTER PHASE 1 INSTALLATION OF RF ENCLOSURE *



*CUSTOM SOLUTIONS AVAILABLE FOR MATCHING
STOREFRONT WINDOWS IN THE MRI ROOM.

The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

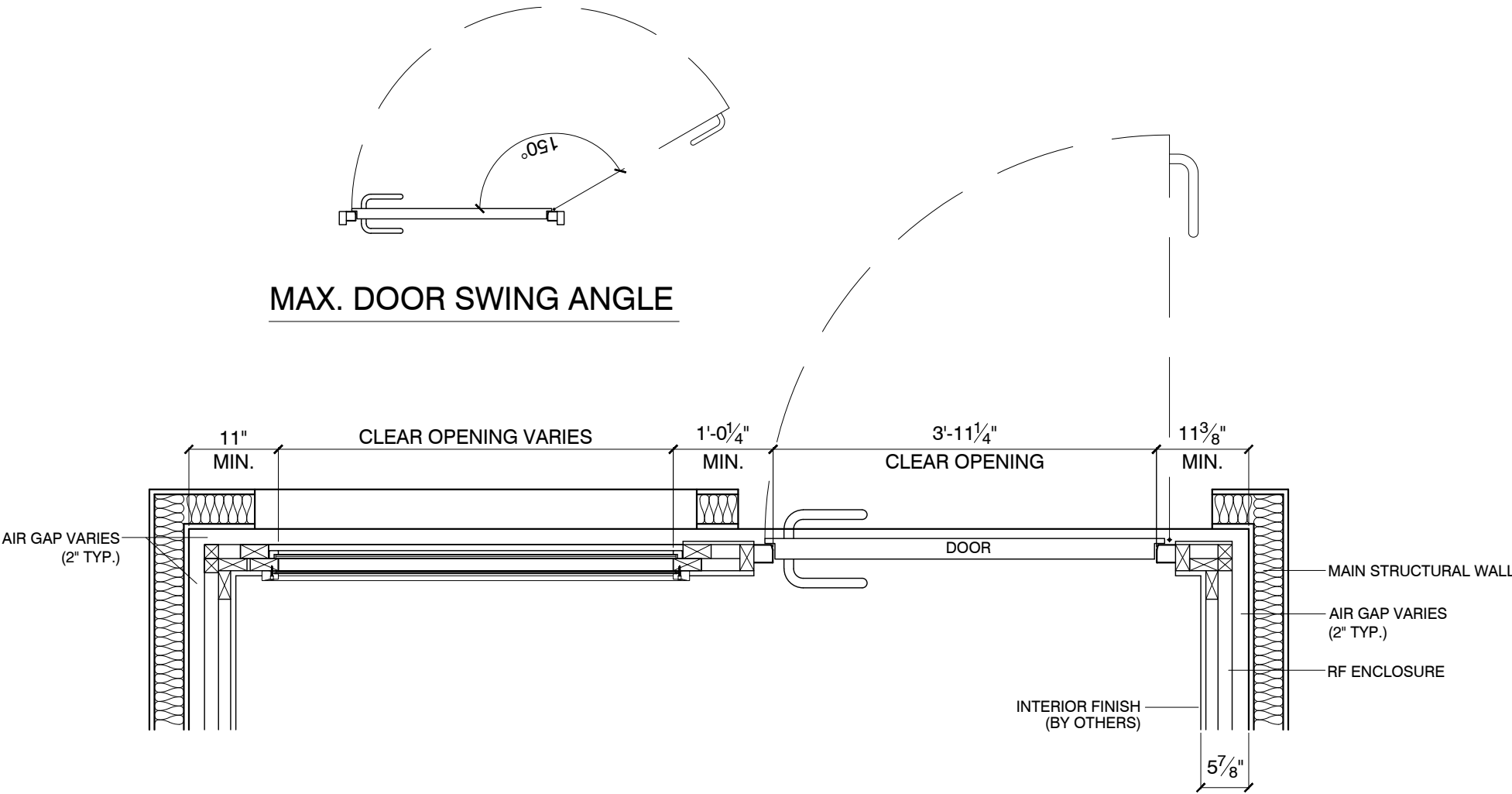
IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

Drawn By: CS	Drawing Name:
Checked By: KMA	DETAIL SHEET
Revision: .	Project No:
Date: .	4.8.2019
Dwg No:	Page No:
SPG25-D26	26

1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

COPPER RF ENCLOSURE: Outswing **SilentSHIELD™** Door and Window Detail



The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

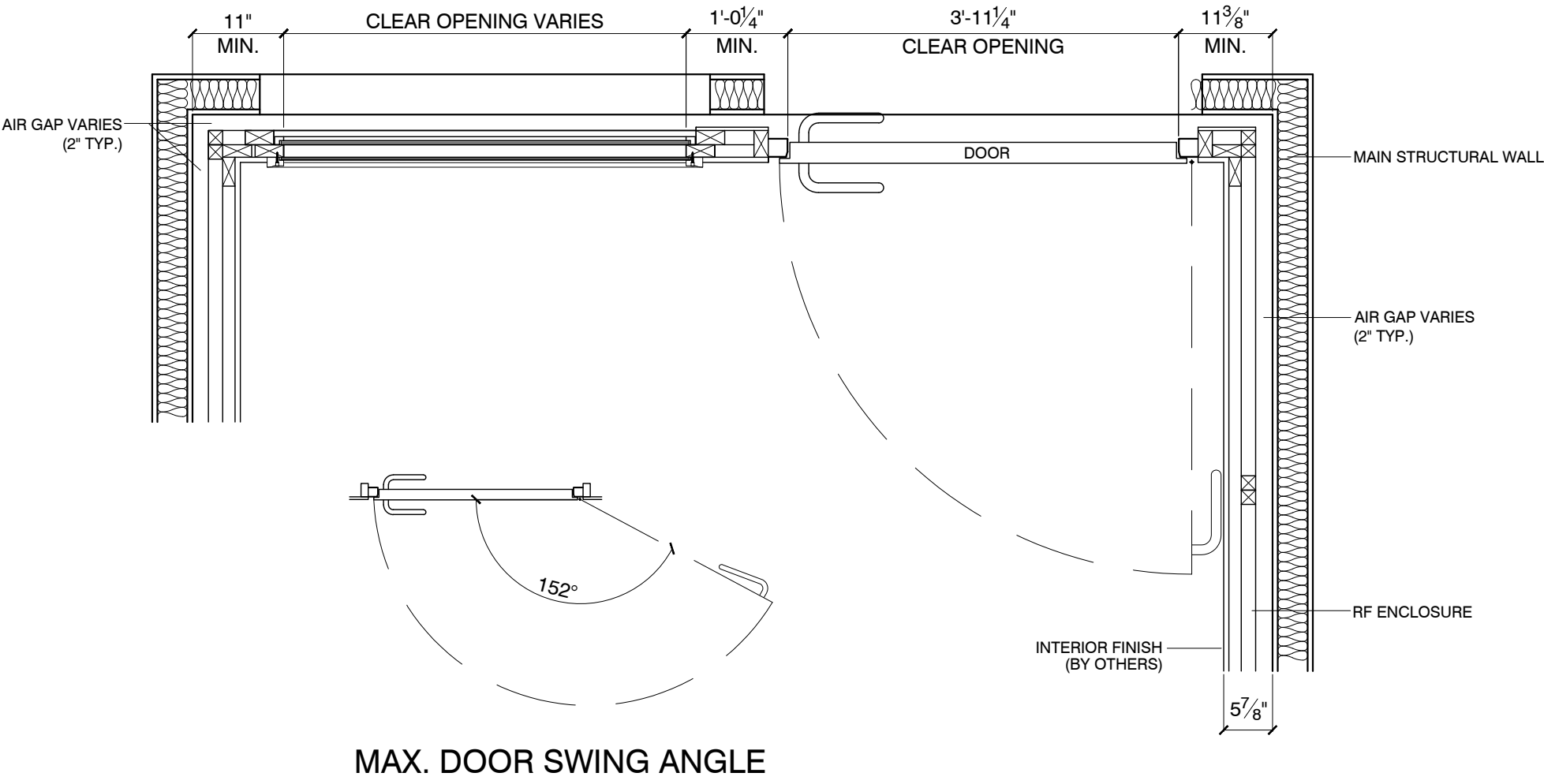
ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

Drawn By: CS	Drawing Name: DETAIL SHEET
Checked By: KMA	
Revision: .	Project No: .
Date: .	Date: 4.8.2019
Dwg No: SPG25-D35	Page No: 35

COPPER RF ENCLOSURE: Inswing **SilentSHIELD™** Door and Window Detail



The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

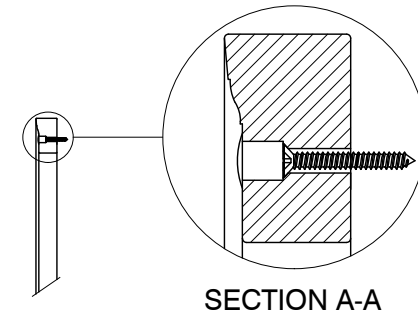
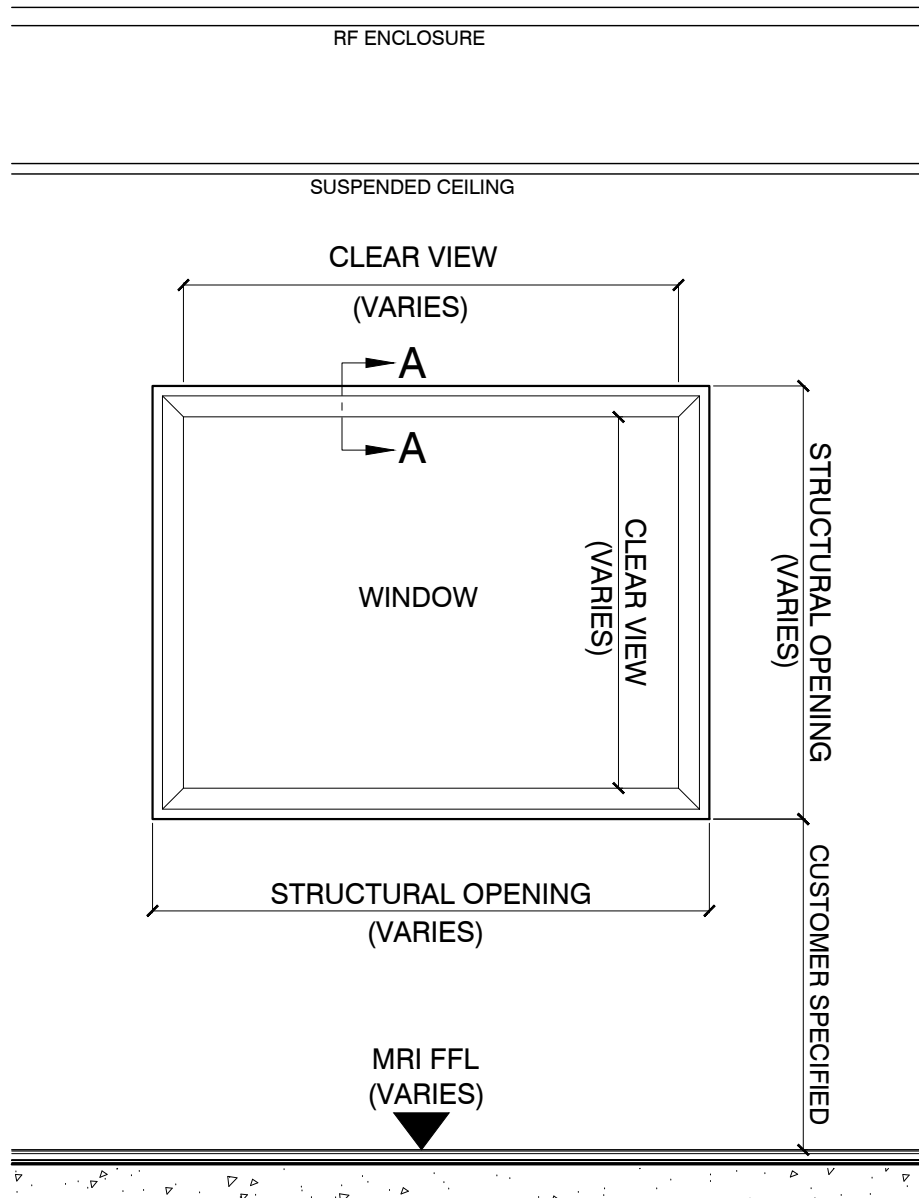
ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

Drawn By: CS	Drawing Name: DETAIL SHEET
Checked By: KMA	
Revision: .	Project No: .
Date: .	4.8.2019
Dwg No: SPG25-D36	Page No: 36

COPPER RF ENCLOSURE: Window Elevation Detail



WINDOW TRIM - 2" WHITE PVC BRICK MOLD
(BY IMEDCO) (DRYWALL TO BE FLUSH WITH
IMEDCO GLASS CLIP AND DRYWALL "NOT" TO
HAVE END TREATMENT)

The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.

IMEDCO AMERICA LTD.

MRI Shielding - RF Magnetic and Acoustics

Our  is You

1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

Drawn By: CS
Checked By: KMA

Drawing Name:
DETAIL SHEET

Revision: .
Date: .

Project No:
4.8.2019

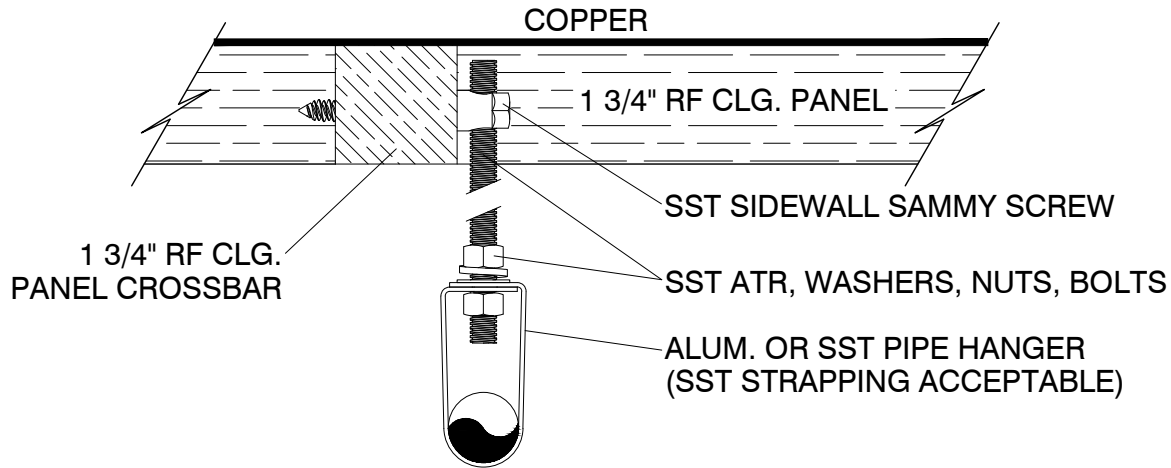
Dwg No:
SPG25-D39

Page No:
39

IMEDCO PREFERRED RF CEILING ATTACHMENTS

**** PLEASE CONSULT IMEDCO PM FOR OTHER ACCEPTABLE METHODS ****

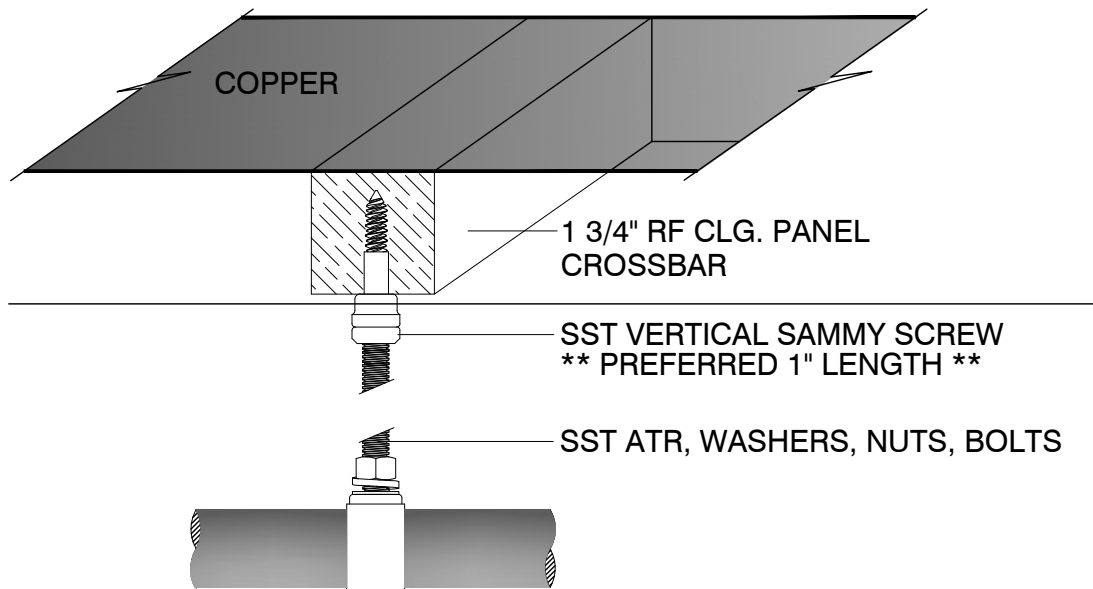
HORIZONTAL APPLICATION



NOTHING SHALL PENETRATE OR CONTACT COPPER ON PANELS.

**** ALL MATERIALS ARE NON-FERROUS ****

VERTICAL APPLICATION



The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



**ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE**

IMEDCO SITE PLANNING GUIDE REVISION 25

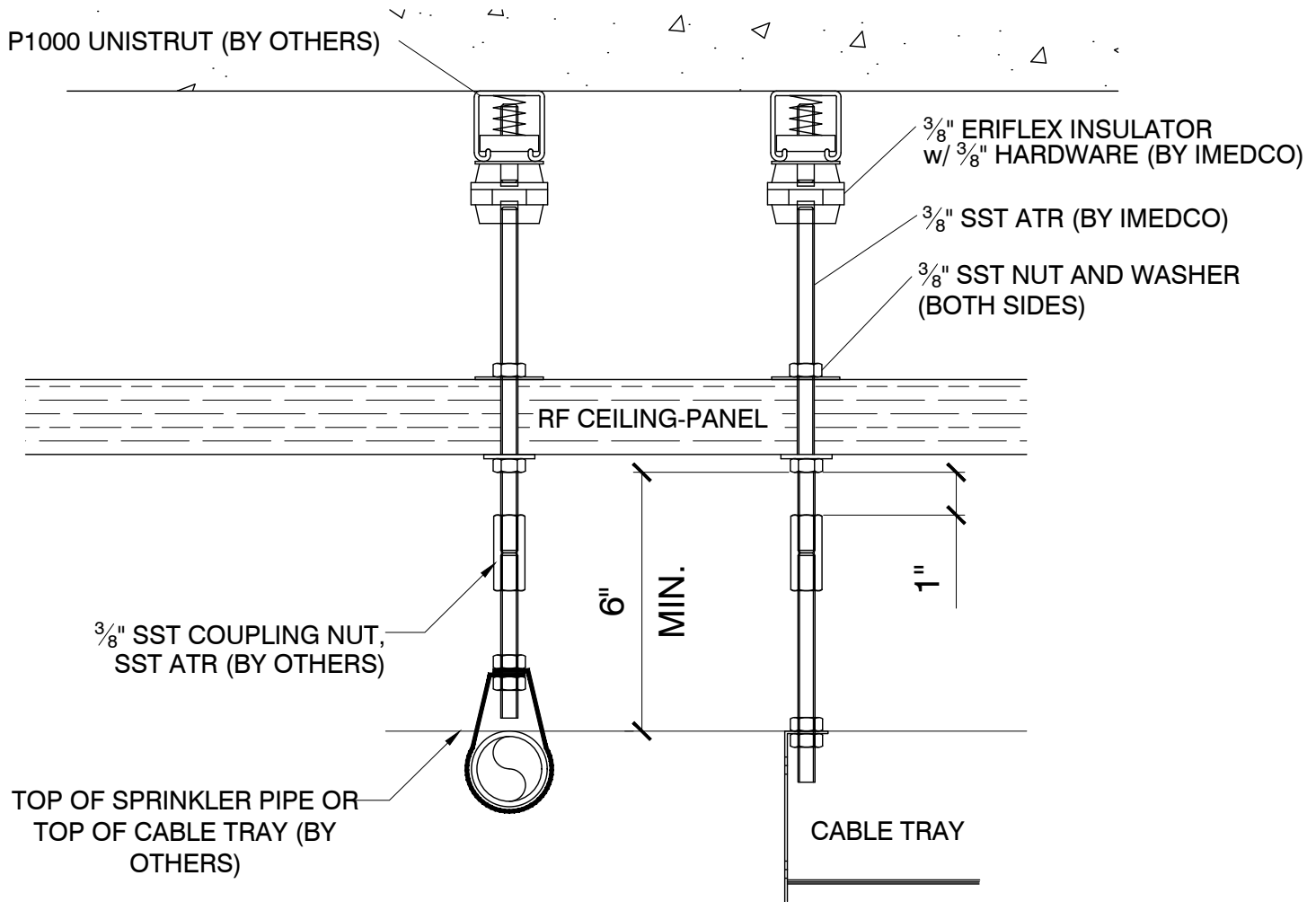
PROJECT:

Drawn By: CS	Drawing Name:
Checked By: KMA	DETAIL SHEET
Revision: .	Project No:
Date: .	Date: 4.8.2019
Dwg No:	Page No:
SPG25-D41	41

1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

IMEDCO PREFERRED ATTACHMENT TO ISOLATOR

**** PLEASE CONSULT IMEDCO PM FOR OTHER ACCEPTABLE METHODS ****



NOTE:

IMEDCO HAS NOT EVALUATED THE STRUCTURAL CAPACITY OF THE ATR SYSTEM USED TO SUPPORT AND BRACE THE RF-ENCLOSURE CEILING SYSTEM. RF-PANELS HAVE BEEN DESIGNED TO MAINTAIN STRUCTURAL INTEGRITY WITHOUT REGARD TO THIRD PARTY ITEMS SUPPORTED FROM THE ATR SYSTEM.

The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

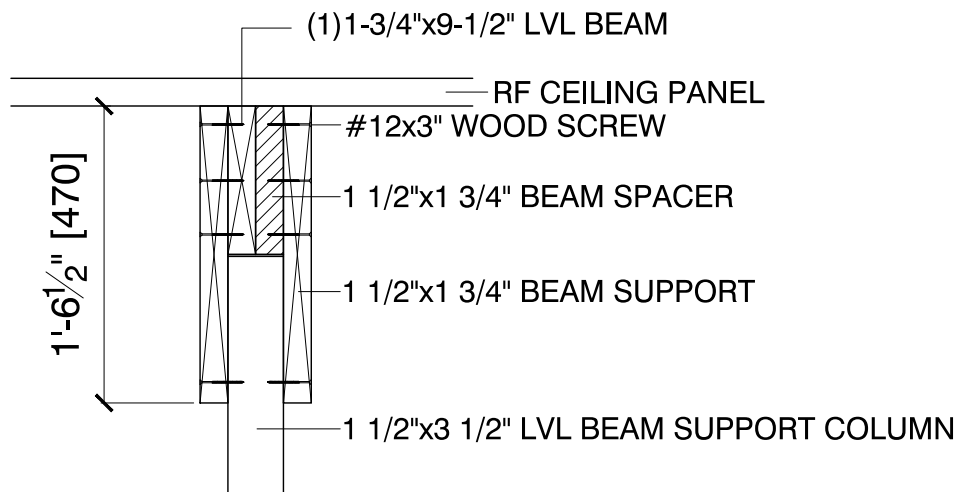
PROJECT:

Drawn By: CS	Drawing Name: DETAIL SHEET
Checked By: KMA	
Revision: .	Project No: .
Date: .	Date: 4.8.2019
Dwg No: SPG25-D42	Page No: 42

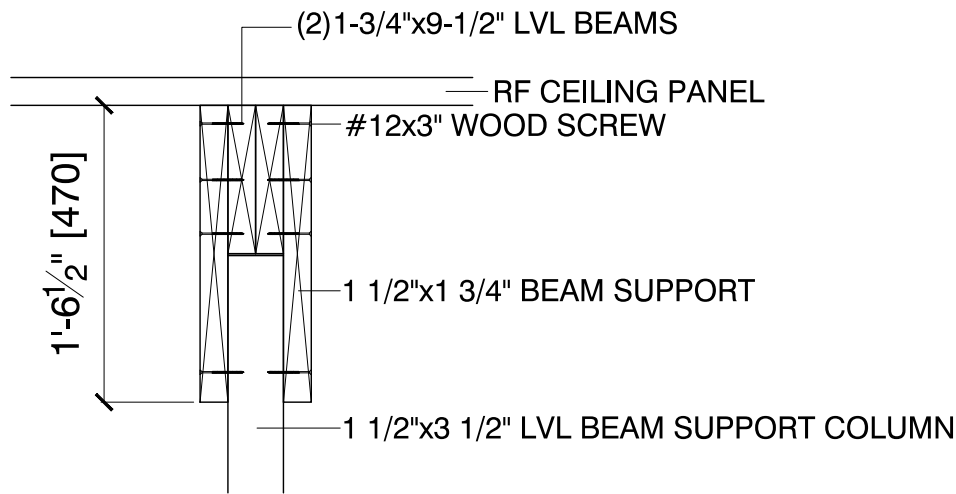
1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

SELF-SUPPORT WOOD BEAM DETAILS

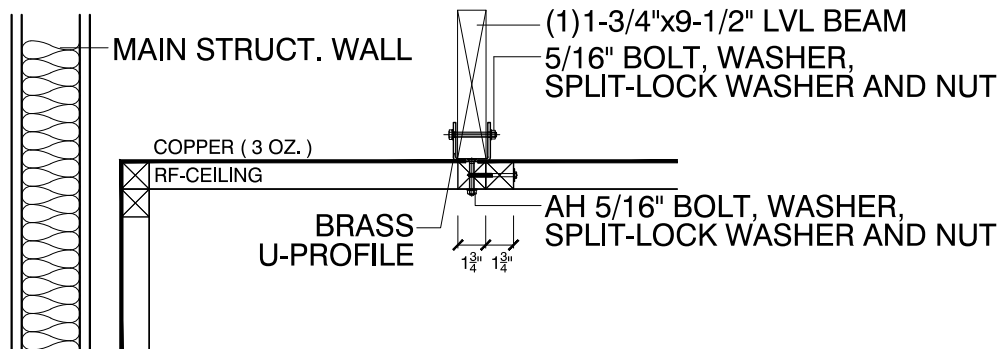
SINGLE BEAM



DOUBLE BEAM



BEAM ABOVE - RF CEILING SUPPORT



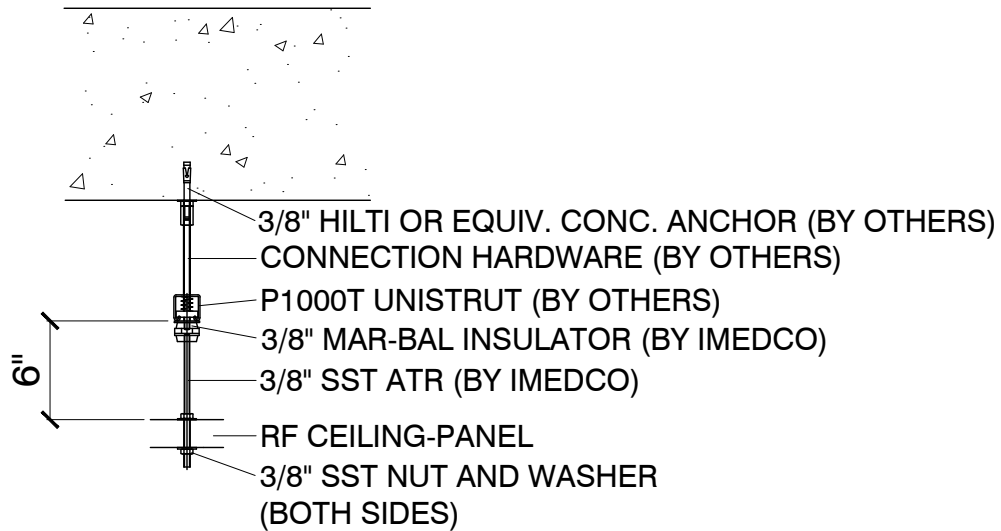
IMEDCO USES CLASS "A" FIRE RETARDANT "FR" COATED OR IMPREGNATED WOOD IN ALL WALL & CEILING APPLICATIONS.

The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.

RF CEILING SUPPORT - UNISTRUT

ANCHOR DETAIL - UNISTRUT TO RF CEILING



The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

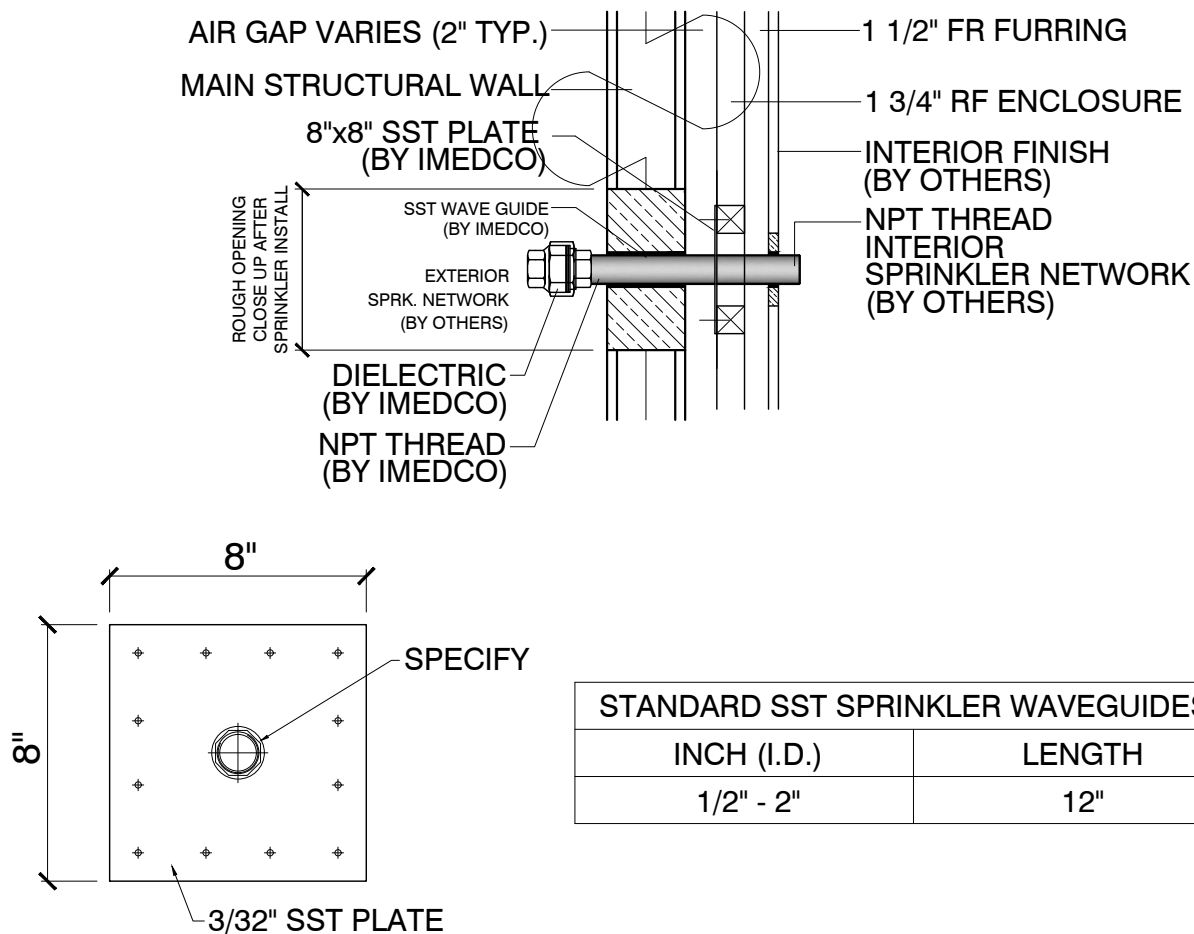
PROJECT:

Drawn By: CS	Drawing Name:
Checked By: KMA	DETAIL SHEET
Revision: .	Project No: .
Date: .	Date: 4.8.2019
Dwg No: SPG25-D45	Page No: 45

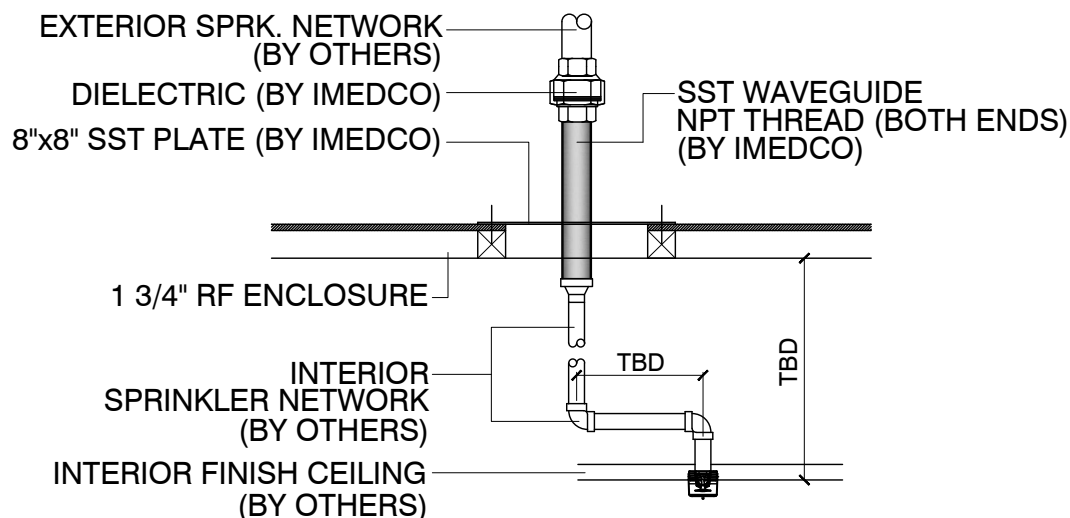
1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

SPRINKLER WAVEGUIDE PENETRATIONS

DIELECTRIC SPRINKLER THRU WALL



DIELECTRIC SPRINKLER THRU CEILING



The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

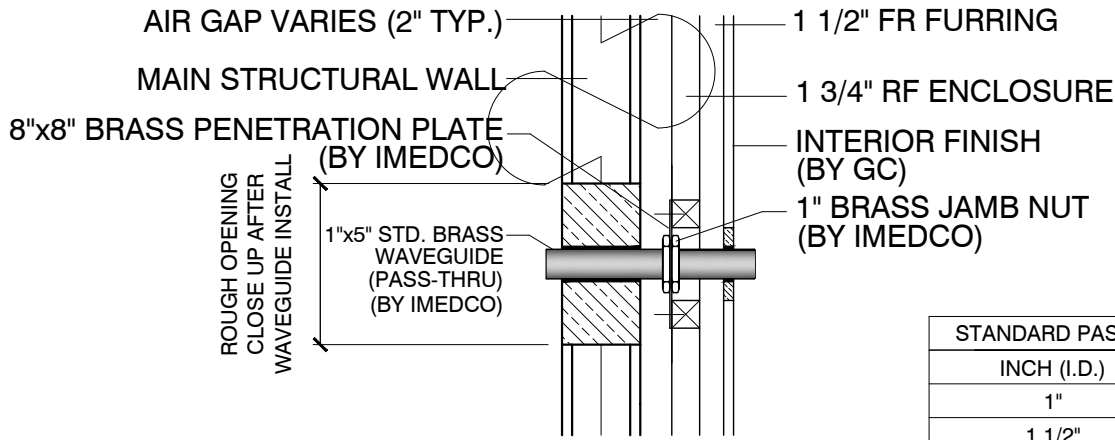
IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

Drawn By: CS	Drawing Name:
Checked By: KMA	DETAIL SHEET
Revision: .	Project No:
Date: .	4.8.2019
Dwg No:	Page No:
SPG25-D48	48

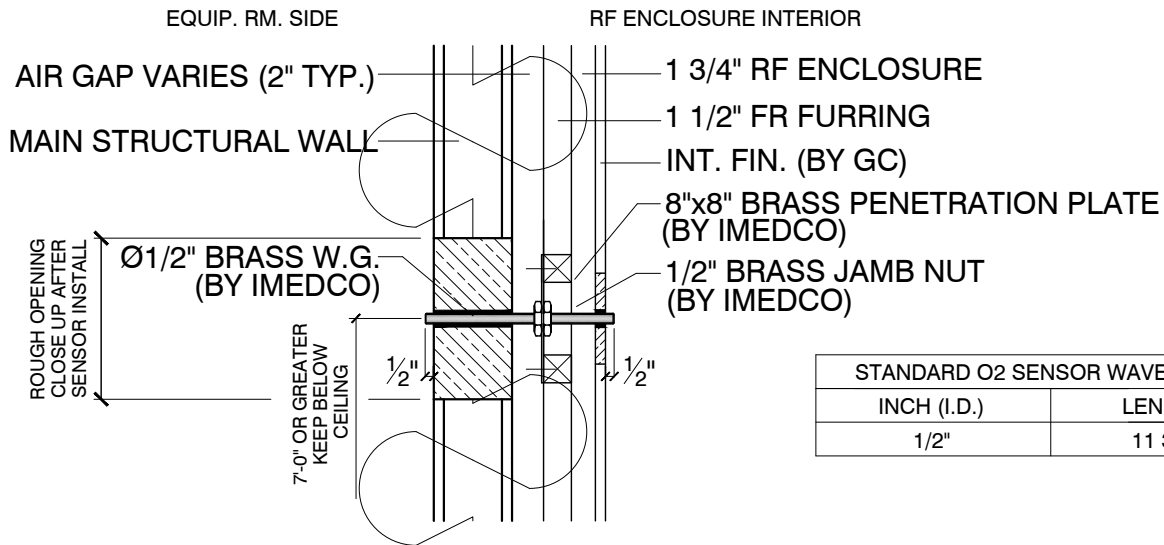
1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

STANDARD PASS-THRU WAVEGUIDE



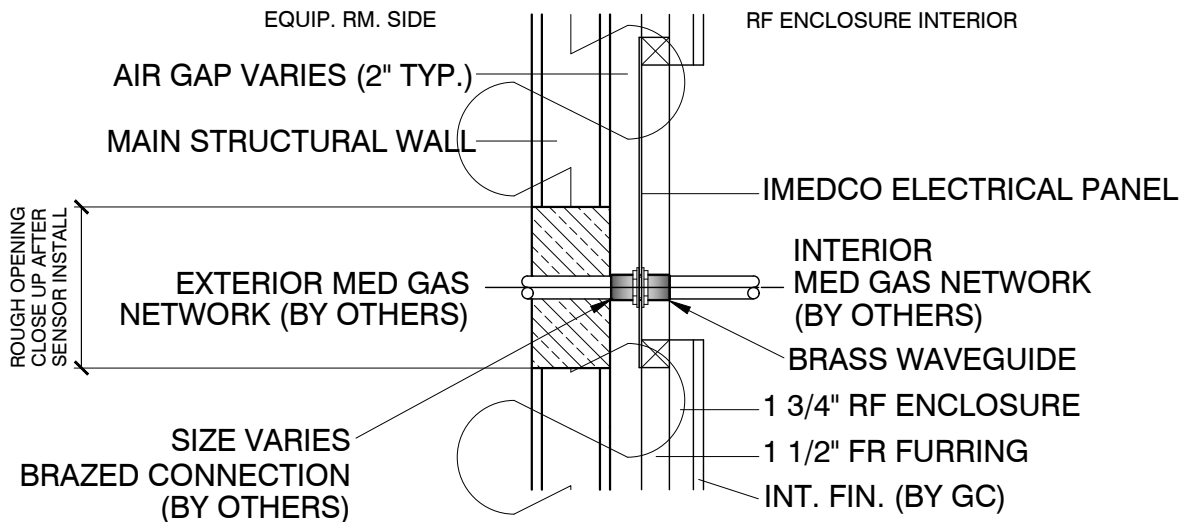
STANDARD PASS-THRU WAVEGUIDES	
INCH (I.D.)	LENGTH
1"	5"
1 1/2"	8"
2"	10"

O2 SENSOR WAVEGUIDE



STANDARD O2 SENSOR WAVEGUIDE	
INCH (I.D.)	LENGTH
1/2"	11 3/4"

STANDARD MEDGAS WAVEGUIDE



The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

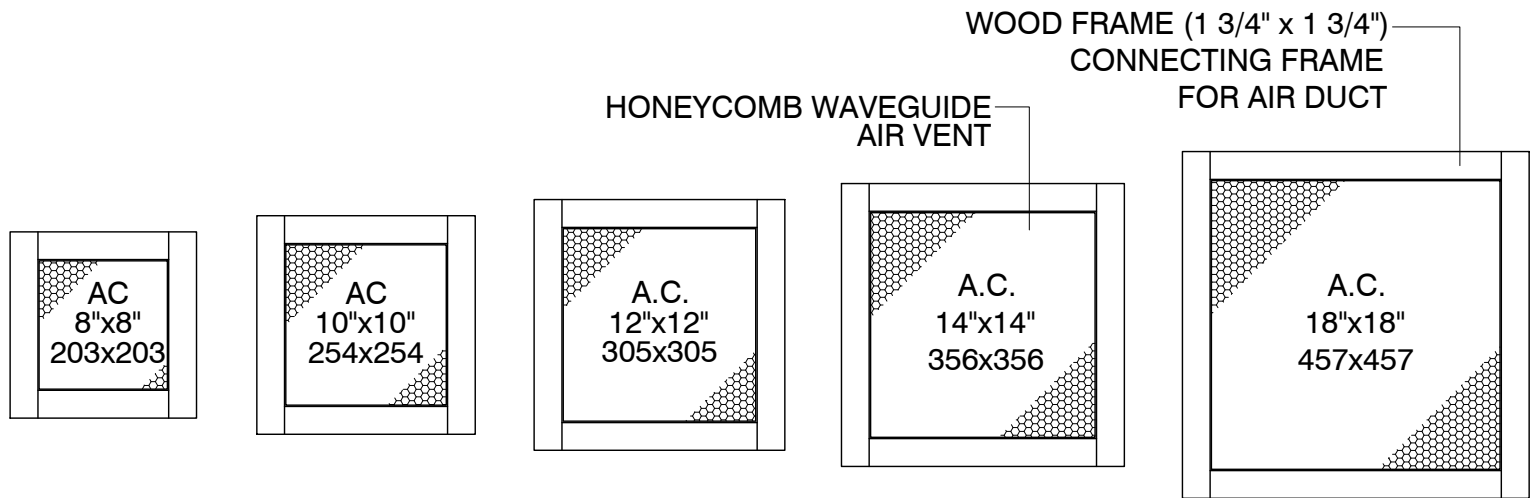
IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

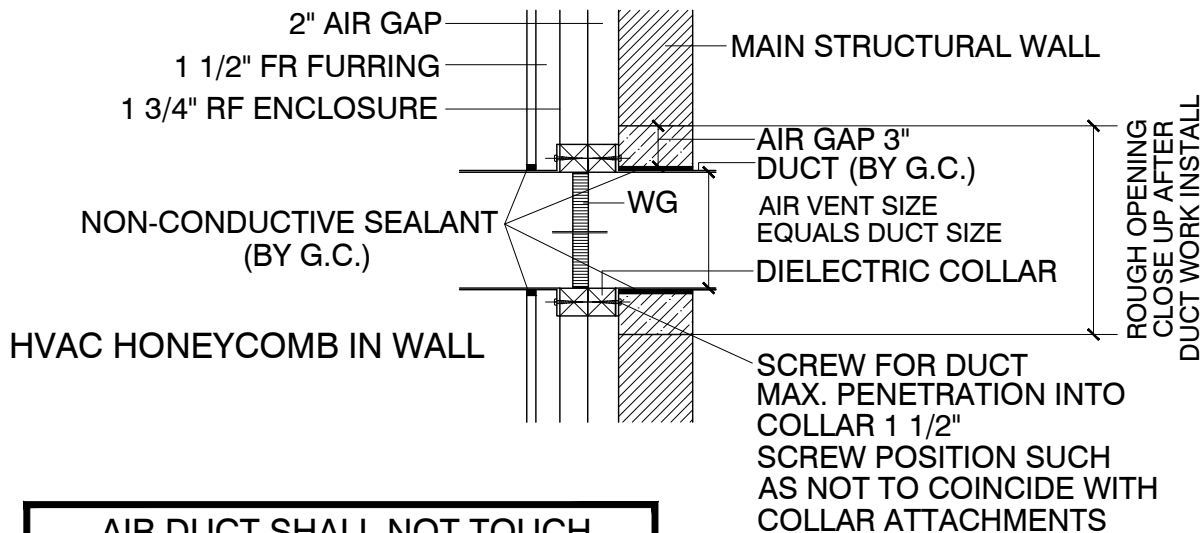
Drawn By: CS	Drawing Name: DETAIL SHEET
Checked By: KMA	Project No: 4.8.2019
Revision: .	Date: .
Dwg No: SPG25-D49	Page No: 49

1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

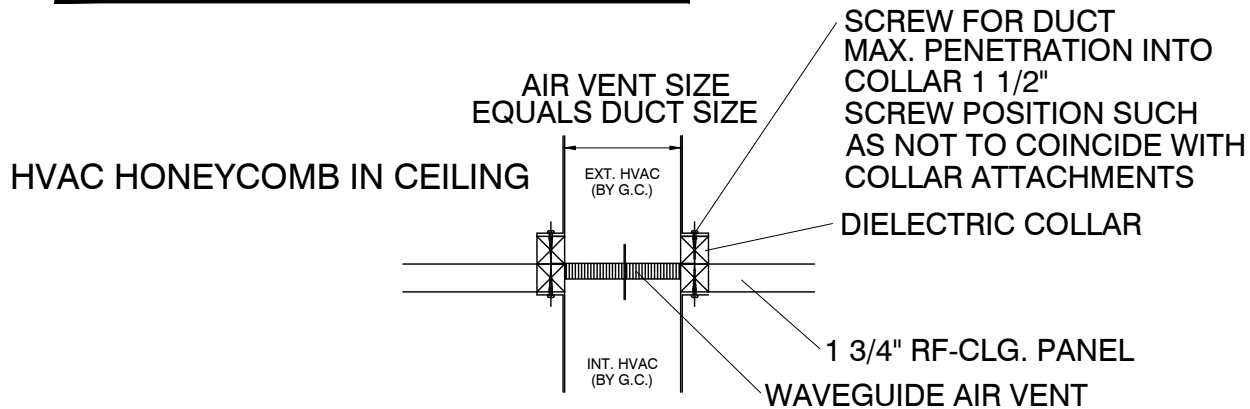
HVAC HONEYCOMB DETAILS



COMMON SIZES SHOWN - OTHERS AVAILABLE



AIR DUCT SHALL NOT TOUCH
HONEYCOMB FILTER OR RF SHIELD



IMEDCO USES CLASS "A" FIRE RETARDANT "FR" WOOD
IN ALL WALL & CEILING APPLICATIONS

The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

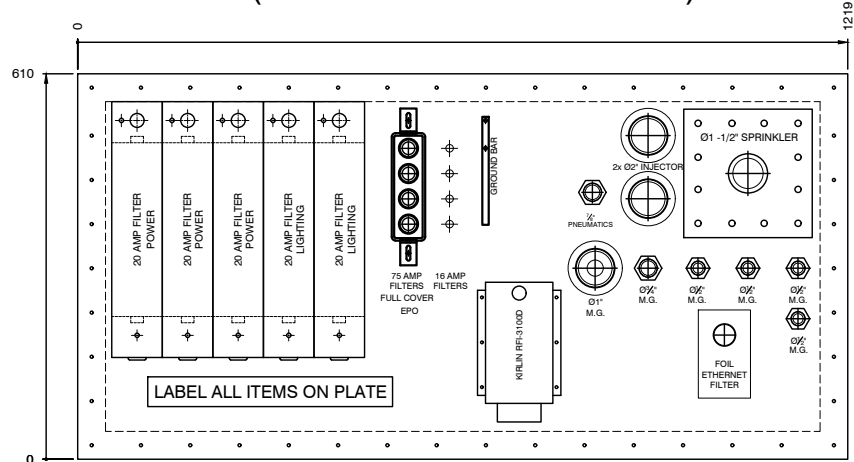
IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

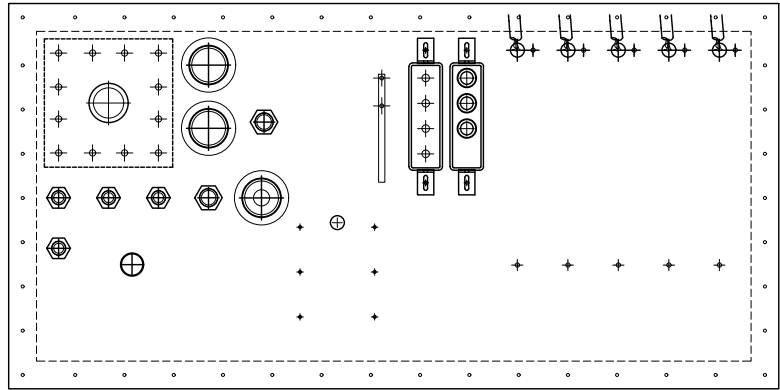
Drawn By: CS	Drawing Name:
Checked By: KMA	DETAIL SHEET
Revision: .	Project No:
Date: .	4.8.2019
Dwg No:	Page No:
SPG25-D50	50

1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net

IMEDCO ELECTRICAL PANEL
(FILTER QUANTITIES VARY)

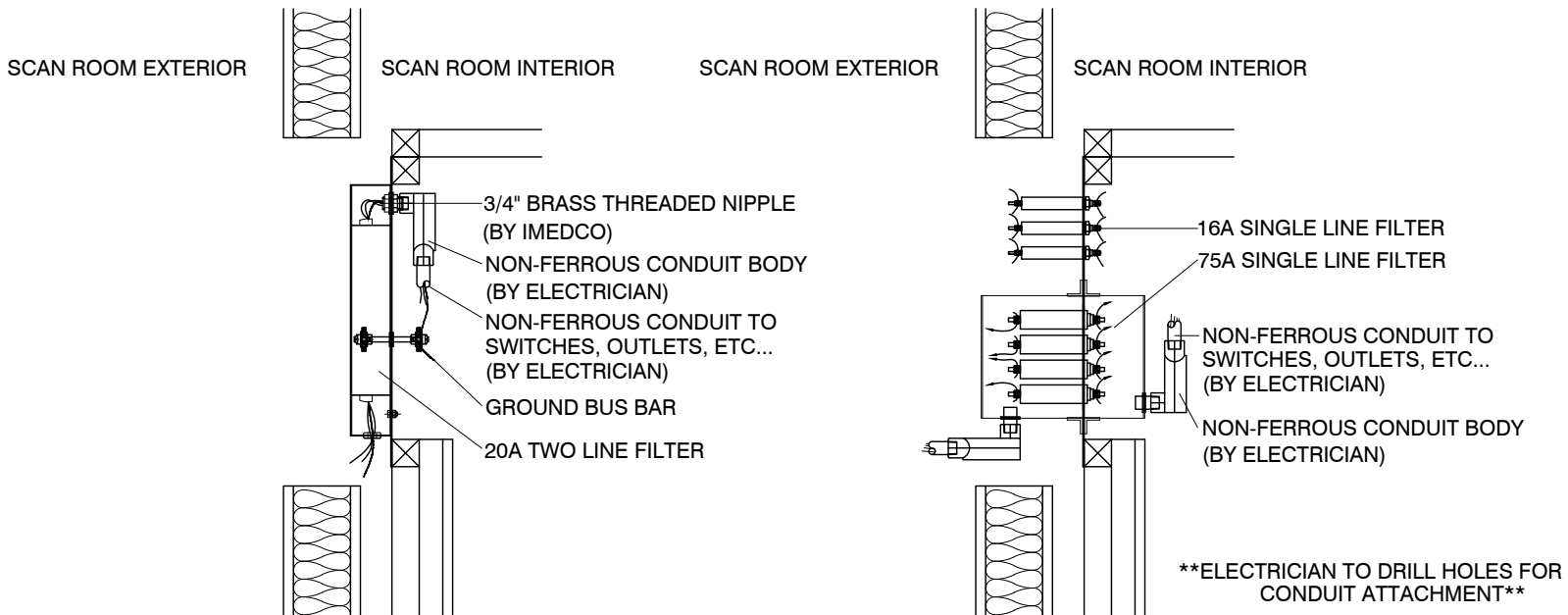


EXTERIOR VIEW



INTERIOR VIEW

IMEDCO ELECTRICAL PANEL
(FILTER CONNECTIONS)



The information contained herein is the exclusive property of IMEDCO America LTD., and is thereby protected under copyright laws. The original ideas represented here by this information shall not be used, altered, or reproduced in any manner without the expressed written consent of IMEDCO America LTD.

We reserve the right to change specifications and details without notice.



ALL DIMENSIONS
ARE IN MILLIMETERS
UNLESS NOTED
OTHERWISE

IMEDCO SITE PLANNING GUIDE REVISION 25

PROJECT:

Drawn By: CS	Drawing Name: DETAIL SHEET
Checked By: KMA	
Revision: .	Project No: .
Date: .	Date: 4.8.2019
Dwg No: .	Page No: .

SPG25-D51

51

1730 E. Pleasant Street Noblesville, Indiana 46060
Bus: 317.773.8500 Fax: 317.773.8508 Email: imedco@imedco.net