TYPICAL ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS SHOWN MAY BE USED OR LISTED

A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICAN W/DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERNITIVE
AOW	AREA OF WORK
BATT	BATT INSULATION
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BO	BOTTOM OF
BOC	BACK OF CURB
BOD	BASIS OF DESIGN
BOT	BOTTOM
BS	BOTH SIDES
CB	CATCH BASIN
CBA	CEMENT BACKER BOARD
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CP	CEMENT PLASTER
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSINK
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DIM PT	DIMENSION POINT
DN	DOWN
DP	DAMPPROOFING
DW	DISHWASHER
(E)	EXISTING
EA	EACH
EB	EXPANSION BOLT
EJ	EXPANSION JOINT
ELEV	ELEVATION
ENM	ENAMEL
EO	ELECTRIC OUTLET
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
F&I	FURNISH AND INSTALL
FA	FIRE ALARM
FABX	FIRE ALARM BOX
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FURNITURE, FIXTURE & EQUIPMENT
FO	FACE OF or FINISHED OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
GMU	GLASS MASONRY UNIT
GYP	GYPSUM
GWB	GYPSUM WALL BOARD
HDRL	HANDRAIL
HDW	HARDWARE
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
JAN	JANITOR
JC	JANITOR'S CLOSET
LAV	LAVATORY
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MI	MIRROR
MIN	MINIMUM
MO	MASONRY OPENING
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER or OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OTS	OPEN TO STRUCTURE
PL	PLATE or PLASTIC LAMINATE or PROPERTY LINE
PT	PRESSURE TREATED
PWD	PLYWOOD
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RELOC	RELOCATED(D)
REPL	REPLACE
REQ	REQUIRED
RET	RETURN or RETENTION
RF	RESILIENT FLOORING
RM	ROOM
RO	ROUGH OPENING
RT	RESILIENT TILE
SAM	SELF ADHERED FLEXIBLE FLASHING
SIM	SIMILAR
STN	STONE SLAB/VENEER
SV	SHEET VINYL
SYM	SYMBOL or SYMMETRICAL
T	TEMPERED or TILE
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TD	TRECH DRAIN or TOWN DOWN!
THK	THICK(NESS)
T/M	TO MATCH
TO	TOP OF
TOD	TOP OF DECK
TOP	TOP OF PARAPET or TOP OF PAVEMENT
TOR	TOP OF ROOF
TOS	TOP OF SLAB or TOP OF STEEL
TWO	TOP OF WALL
T-STAT	TERMOSTAT
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UOS	UNDERSIDE OF STRUCTURE
VCT	VINYL COMPOSITE TILE
VEN	VENEER
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST or WIDTH
W/	WITH
WD	WOOD
WF	WIDE FLANGE
WH	WATER HEATER
W/O	WITHOUT
W PANEL	WOOD PANELING
WRB	WEATHER RESISTANT BARRIER
WWF	WELDED WIRE FABRIC

FIRE PROTECTION, ALARM AND EXTINGUISHERS

SPECIALTIES - FIRE EXTINGUISHERS

A. SURVEY EXISTING CONDITIONS OF ENTIRE FLOOR THAT PROJECT OCCURS AND PROVIDE NOT LESS THAN ONE APPROVED FIRE EXTINGUISHER WITH RATING NOT LESS THAN 20A 10B/C FOR EACH 1,500SF OF FLOOR AREA OR FRACTION THEREOF. TRAVEL DISTANCES TO AN EXTINGUISHER FROM ANY PORTION OF THE BUILDING SHALL NOT EXCEED 75 FEET. PROVIDE FIRE EXTINGUISHER(S) IN ACCORDANCE WITH CURRENT CODES.

B. PROVIDE NEW FIRE EXTINGUISHER(S) AT ALL EXISTING CABINETS WHERE MISSING. ALL REUSED EXISTING FIRE EXTINGUISHERS ARE TO BE INSPECTED AND/OR RECHARGED, AS NECESSARY, PRIOR TO SUBSTANTIAL COMPLETION.

FIRE PROTECTION & ALARM SYSTEMS

A. CONTACT BUILDING MANAGER FOR INSTRUCTIONS WHEN SCHEDULING WORK ON FIRE SPRINKLER AND ALARM SYSTEMS.

B. AUTOMATIC SPRINKLER SYSTEM SUPERVISION: ALL VALVES, INCLUDING THOSE IN PITS, SHALL BE MONITORED BY UL LISTED FIRE MARSHAL - APPROVED CENTRAL STATION. WATER FLOW AND HIGH/LOW PRESSURE FOR DRY PIPE SYSTEMS (IF USED) SHALL BE SUPERVISED AS WELL AS OTHER FEATURES DEEMED NECESSARY BY CURRENT NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS.

C. PREPARE SPRINKLER SYSTEM SHOP DRAWINGS FOR COORDINATION WITH ARCHITECTS' DRAWINGS.

D. PROVIDE FULLY CONCEALED SPRINLKER HEADS IN HARDLID CEILINGS, UNLESS NOTED OTHERWISE.

E. PAY ALL FEES AND OBTAIN ALL PERMITS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION NECESSARY TO COMPLETE THE WORK.

BUILDING ALARM SYSTEM/SMOKE DETECTORS

A. PROVIDE VISUAL AND AUDIBLE ALARM SIGNAL APPLIANCES INTEGRATED INTO THE BUILDING ALARM SYSTEM AS REQUIRED BY ADA AND CURRENT OSSC STANDARDS. PROVIDE ADDITIONAL ELECTRICAL SERVICE AS REQUIRED. COORDINATE REQUIREMENTS WITH BUILDING OWNER. ALARM LOCATIONS INDICATED ON PLANS ARE FOR REFERENCE ONLY.

B. PROVIDE SHOP DRAWINGS FOR ALARM SYSTEM LAYOUT AS REQUIRED BY CODE.

C. SMOKE DETECTION DEVICES INDICATED ON THE DRAWINGS ARE FOR REFERENCE ONLY. CONFIRM SPACING OF DETECTORS WITH DEVICE LISTING.

D. CLEAN AND REPAIR EXISTING SMOKE DETECTORS TO BE REUSED TO GOOD WORKING CONDITION.

HARDWARE, SPECIALITIES & FINISHES

DOOR HARDWARE

A. DOORS SHALL OPEN FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

B. NEW EXTERIOR DOOR HARDWARE SHALL MATCH EXISTING BUILDING STANDARDS AND BE ADA COMPLIANT. LEVELER HANDLE, HINGES AND CLOSESERS TO ALL MATCH SAME FINISH AND BUILDING STANDARD AND EACH OTHER.

C. CONTRACTOR SHALL VERIFY COMPATABILITY OF HARDWARE SPECIFIED WITH BUILDING KEYING SYSTEM.

D. PROVIDE NEW DOORS WITH FINISH SPECIFIED PER SCHEDULE. PROVIDE DIAGRAM OF WOOD GRAIN DETAIL, MATCHING AND FINISH.

E. PROVIDE DOOR CLOSERS PER SCHEDULE. SUBMIT CUT SHEET FOR ARCHITECT REVIEW AND APPROVAL.

G. PROVIDE DOOR OPENINGS IN RATED WALLS COMPLYING WITH REQUIRED SMOKE CONTROL ASSEMBLY AND INDICATED FIRE PROTECTION RATING. WHERE EXISTING DOOR OPENINGS DO NOT COMPLY WITH PRESENT BUILDING CODE REQUIREMENTS, PROVIDE NEW DOORS, FRAMES AND HARDWARE THAT COMPLY.

H. ADJUST THE RESISTIVE FORCE OF ALL NEW AND EXISTING INTERIOR DOOR CLOSERS IN THE PROJECT AREA TO A MAXIMUM PRESSURE OF 5 LBS TO COMPLY WITH ADA REQUIREMENTS.

FINISHES - PATCH & REPAIR

I. REPAIR/REFINISH ANY DAMAGE TO EXISTING FINISH SURFACES IN IMPROVEMENT AREA CAUSED BY CONSTRUCTION OPERATIONS.

J. PAINT EXISTING WALLS WITH (2) COATS OF EGGSHELL FINISH PAINT UNLESS NOTED OTHERWISE. SUBMIT COLOR DRAW-DOWNS TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.

K. WHERE ALL NEW PARTITIONS ABUT, JOIN OR CONNECT TO EXISTING SURFACES, WALLS OR NEW CONSTRUCTION, ALIGN THE FINISH SURFACE.

L. ALL NEW WALLS AND PARTITIONS SHALL HAVE TAPED JOINTS (3) COATS SANDED AND PRIMED TO MEET PAINT READY REQUIREMENTS.

M. EXISTING WALLS AND SURFACES SHALL BE STRIPPED, RESURFACED AND PATCHED AS REQUIRED.

N. PROVIDE A FULL GALLON OF EACH WALL COLOR WITH LABELS IN TENANT SUITE. LABEL ALL LEFT OVER PAINT AND DELIVER TO OWNER WHERE DIRECTED.

O. TAPE AND SAND EXPOSED GYPSUM BOARD FOR A FLAT, SMOOTH SURFACE FINISH TO MATCH EXISTING ADJACENT SURFACES IN BUILDING UNLESS NOTED OTHERWISE.

P. PROVIDE FINISH MATERIALS MATCHING ESTABLISHED BUILDING STANDARD QUALITY, UNLESS NOTED OTHERWISE. PROVIDE COLORS APPROVED BY OWNER AND ARCHITECT.

Q. CONTRACTOR TO FILL AND PATCH EXISTING CONCRETE SLABS AND SHALL PROVIDE SMOOTH UNIFORM SURFACE PRIOR TO NEW FLOOR COVERINGS TO BE INSTALLED.

GENERAL NOTES - PROJECT

A. REVIEW ALL CONSTRUCTION DOCUMENTS AND SPECIFICATIONS AND COMPARE THEM TO FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. IMMEDIATELY REPORT ANY CONFLICTS, DISCREPANCIES, OR OMISSIONS TO THE ARCHITECT PRIOR TO SUBMITTING FOR BID.

B. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF APPLICABLE BUILDING CODES, PROGRAM GUIDES OR OTHER REQUIREMENTS OF THE LOCAL JURISDICTION.

C. ALL WORK, BOTH NEW AND IN PLACE, IS TO MEET THE BUILDING FIRE-LIFE SAFETY SUMMARY IN THE AREA OF REMODEL WORK PRIOR TO FINAL INSPECTION.

D. PROVIDE ALL WORK REQUIRED FOR A COMPLETE INSTALLATION WHETHER OR NOT SHOWN OR DESCRIBED.

E. COORDINATE THE MOVEMENT OF PERSONNEL AND MATERIALS WITHIN THE BUILDING AND SIMILAR AREAS WITH THE OWNER'S REPRESENTATIVE. SCHEDULE ACTIVITIES SO THEY ARE NOT DISRUPTIVE TO OCCUPANTS OF THE BUILDING . MAINTAIN EXITING, FIRE PROTECTION AND LIFE SAFETY PER THE FIRE MARSHALL'S OFFICE. COORDINATE DISRUPTIVE WORK FOR AFTER BUSINESS HOURS.

F. CONTRACTOR SHALL NOT SCALE THE DRAWINGS OR DETAILS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOBSITE. WHERE WRITTEN DIMENSIONS ARE NOT INDICATED OR CANNOT BE DISCERNED FROM THE CONSTRUCTION DOCUMENTS, CONTACT THE ARCHITECT FOR CLARIFICATION.

G. NOTIFY THE ARCHITECT IN WRITING IF THERE ARE ANY CORRECTIONS OR CHANGES REQUIRED TO THE CONSTRUCTION DOCUMENTS BY THE AUTHORITY HAVING JURISDICTION. CORRECTION LIST OR COMMENTS MUST BE DELIVERED TO THE DESIGN AGENCY VIA EMAIL AND INCORPORATED BY THE CONTRACTOR INTO THE PERMIT SET.

H. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL TRADES, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL REQUIREMENTS.

I. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO FOLLOW AND COORDINATE ALL ITEMS PER THE MANUFACTURE'S PRINTED INSTRUCTIONS, SPECIFICATIONS AND INSTALLATION DETAILS. THE INSTALLATION OF ALL BUILDING PRODUCTS (INTERIOR AND EXTERIOR), FIXTURES, EQUIPMENT, ETC. SHALL FOLLOW MANUFACTURER INSTALLATION REQUIREMENTS.

CONSTRUCTION PHASE

J. THE ARCHITECT SHALL NOT HAVE CONTROL OVER NOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES IN THE EXECUTION OF THE WORK. SAFETY PRECAUTIONS OR PROGRAMS CONNECTION WITH THE PROJECT ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

MATERIAL SPECIFICATIONS

K. SPECIFIC ITEMS DESCRIBED, LISTED OR DRAWN WITHIN THE CONSTRUCTION SET ARE CONSIDERED THE BASIS OF DESIGN FOR THE PROJECT. IF A SUBSTITUTION IS PROPOSED, THE GENERAL CONTRACTOR IS TO CERTIFY THAT THE PRODUCT IS OF EQUAL OR GREATER PERFORMANCE OR REQUEST REVIEW BY THE DESIGN AGENCY IN WRITING.

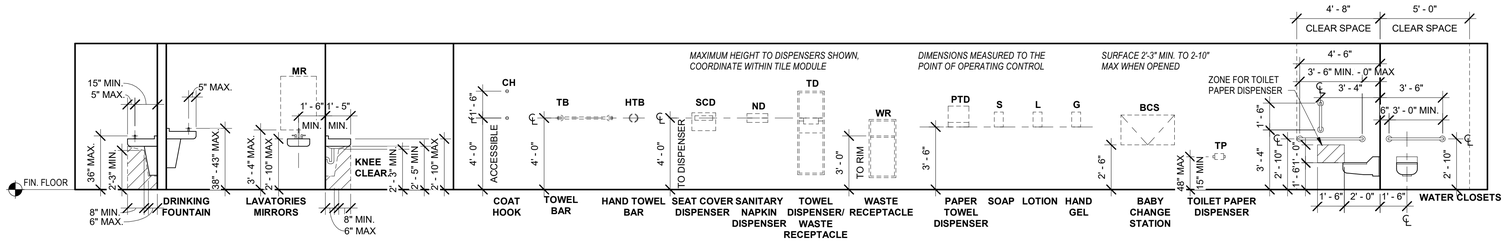
L. THE GENERAL CONTRACTOR SHOULD CONFIRM APPLICABILITY OF ALL SPECIFIED PRODUCTS WITH THE MANUFACTURER FOR SPECIFIC USE AS SHOWN PRIOR TO PURCHASING AND INSTALLATION.

SUBMITTAL PROCEDURES

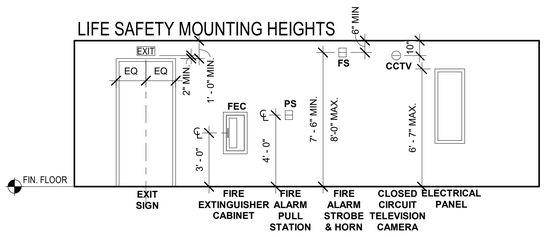
M. THE GENERAL CONTRACTOR SHALL PROVIDE THE ARCHITECT AND BUILDING OWNER PRODUCT DATA, CUTSHEETS AND SHOP DRAWINGS OF INSTALLED PRODCUTS OR DESIGN-BUILD ITEMS IN DIGITAL .PDF FORMAT FOR REVIEW FOLLOWING THE CONTRACTOR'S REVIEW FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ARCHITECT WILL THEN REVIEW EACH SUBMITTED FOR GENRAL CONFORMAMANCE.

N. PROVIDE A MINIMUM (2) PHYSICAL PRODUCT SAMPLES FOR EACH FINISH, INCLUDING PAINT DRAWDOWNS, SPECIFIED WITHIN THESE DRAWINGS.

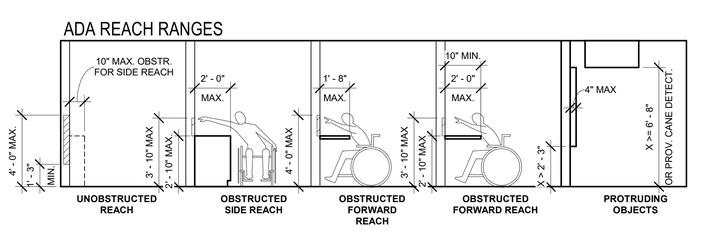
RESTROOMS CLEARANCES AND MOUNTING HEIGHTS



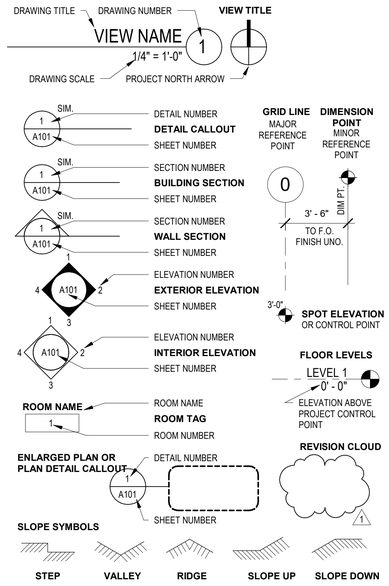
LIFE SAFETY MOUNTING HEIGHTS



ADA REACH RANGES



GENERAL SYMBOLS



SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

PROJECT SUMMARY

PROJECT NAME:	CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL
PROJECT ADDRESS:	5477 NW SKYCREST PKWY PORTLAND, OR 97229
JURISDICTION:	WASHINGTON COUNTY
CONSTRUCITON TYPE:	V-B (SPRINKLERED)
BUILDING HEIGHT:	2 STORY
BUILDING OCCUPANCY:	EDUCATIONAL, ASSEMBLY (NON-SEPRATED)

PROJECT SCOPE

INTERIOR ALTERATION TO PROVIDE SECURITY IMPROVEMENTS TO EXISTING CLASSROOM AND EDUCATION COMMONS AREA. SCOPE INCLUDES BUILDING NEW PARTITIONS AT EXISTING OPENINGS WITH NEW CLASSROOM ENTRY DOORS. EXISTING OCCUPANCY, OCCUPANTS AND EGRESS PATTERNS ARE UNCHANGED.

ADDITIONAL SCOPE ADDRESSES 25% FOR ADA UPGRADES.

PROJECT TEAM

OWNER: **BEAVERTON SCHOOL DISCTRICT**
1260 NORTHWEST WATERHOUSE AVENUE,
BEAVERTON, OR 97006

ATTN: **JASON MOURRAY**
JASON_MOURRARY@BEAVERTON.K12.OR.US

ARCHITECT: **HBX STUDIO ARCHITECTURE, INC.**
831 SE SALMON ST SUITE 140
PORTLAND, OR 97214
WWW.HBX-STUDIO.COM

ATTN: **MICHAEL BARRETT, AIA**
MICHAEL@HBX-STUDIO.COM

CONTRACTOR: **TBD**

LIST OF DRAWINGS

DEFERRED SUBMITTALS - DESIGN/BUILD

ALL DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL WITH A NOTATION INDICATING THAT THE DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN CONFORMANCE WITH THE DESIGN DIRECTION WITHIN THESE DOCUMENTS.

ALL WORK IS SUBJECT TO FIELD INSPECTION, DO NOT COVER WORK PRIOR TO CITY INSPECTION.

SEPARATE PERMIT(S)

SEPARATE PERMITS ARE REQUIRED FOR THE BELOW ITEMS. THE GENERAL CONTRACOTR SUBMIT PLANS FOR REVIEW AND APPROVAL TO THE LOCAL AUTHORITY HAVING JURISDICTION.

FIRE PROTECTION SYSTEMS **FIRE ALARM SYSTEMS**

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REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL
5477 NW SKYCREST PKWY
PORTLAND, OR 97229
PERMIT

PROJECT: 21005.01
DATE: 11/10/2022

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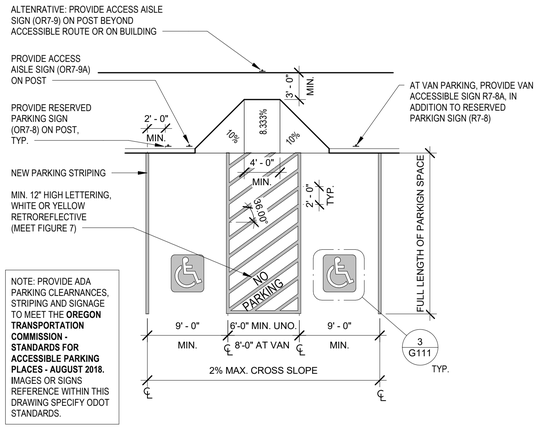


NOTE: PROVIDE ADA PARKING CLEARNANCES, STRIPING AND SIGNAGE TO MEET THE **OREGON TRANSPORTATION COMMISSION - STANDARDS FOR ACCESSIBLE PARKING PLACES - AUGUST 2018.** IMAGES OR SIGNS REFERENCE WITHIN THIS DRAWING SPECIFY ODOT STANDARDS.

ACCESSIBLE PARKING PLAN 2
1/8" = 1'-0"

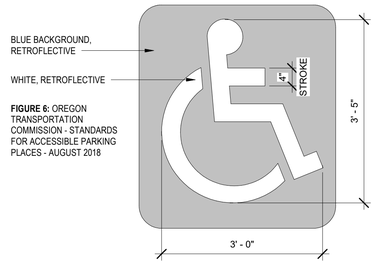
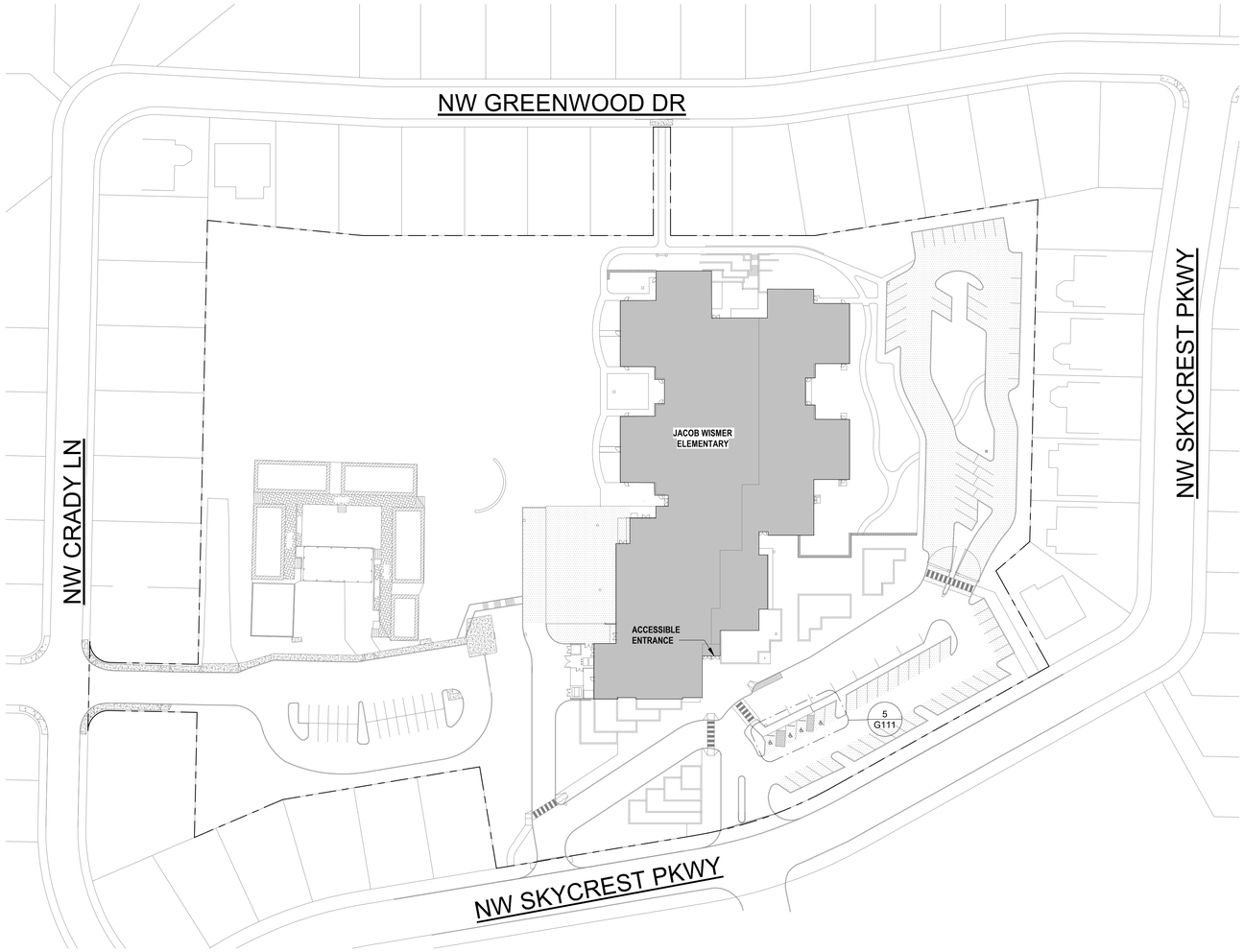
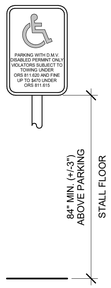


FIGURE 6: OREGON TRANSPORTATION COMMISSION - STANDARDS FOR ACCESSIBLE PARKING PLACES - AUGUST 2018

ACCESSIBLE SIGNAGE STENCILING 3
3/4" = 1'-0"



SITE PLAN 1
1" = 60'-0"



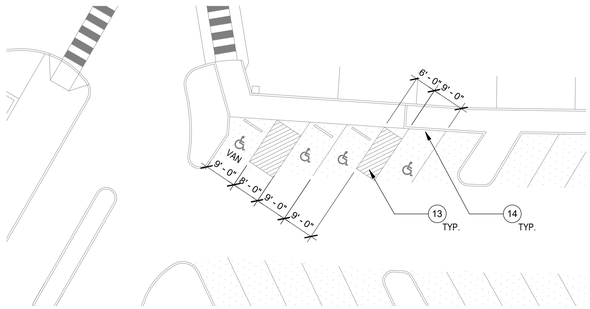
ACCESSIBLE SIGNAGE 4
3/4" = 1'-0"

ACCESSIBLE PARKING SCOPE

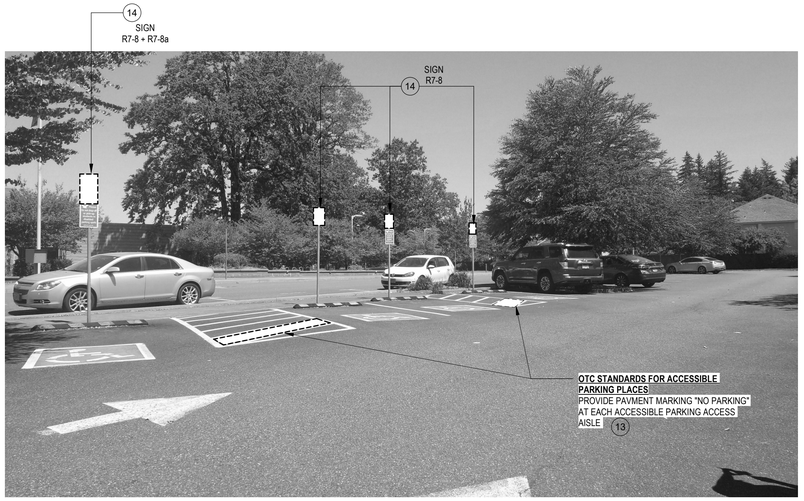
- REPLACE EXISTING PARKING SIGNS WITH CURRENT ODOT STANDARD (R7-8 & 7-8A) AS SHOWN ON PLAN AND PHOTOGRAPH.

- VERIFY EXISTING POLE HEIGHT MEETS REQUIREMENTS OF DETAIL 4 ON THIS PAGE. IF NON-COMPLIANT, REPALCE EXISTING POLE TO MEET CURRENT REQUIREMENTS.

- PROVIDE SUPPLIMENTAL "NO PARKING" PAVEMENT MARKING WITHIN EXISTING STRIPING ASILES. COORDINATE TIMING AND BUNDLING WITH DISTRICT IF WORK IS PEFORMED PRIOR TO THE SCOPE CONTAINED WTIHIN THIS DOCUMENT SET.



ACCESSIBLE PARKING LOCATION 6
1" = 20'-0"



EXISTING PARKING CONDITION - NEW SIGNAGE SCOPE 5
1/8" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES. UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)
- INSTALLATION OF STAIR LEVEL IDENTIFICATION SIGNAGE AT EXISTING STAIRWAYS WITHIN THE ALTERED AREA (504.9)
- INSTALLATION OF THIRD VERITCAL GRAB BAR IN EXISTING ACCESSIBLE TOILET COMPARTMENTS (604.5.1)

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

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REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
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REVISIONS:

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5477 NW SKYCREST PKWY
PORTLAND, OR 97229
PERMIT

PROJECT: 21005.01
DATE: 11/10/2022

SITE PLAN & ACCESSIBLE PARKING
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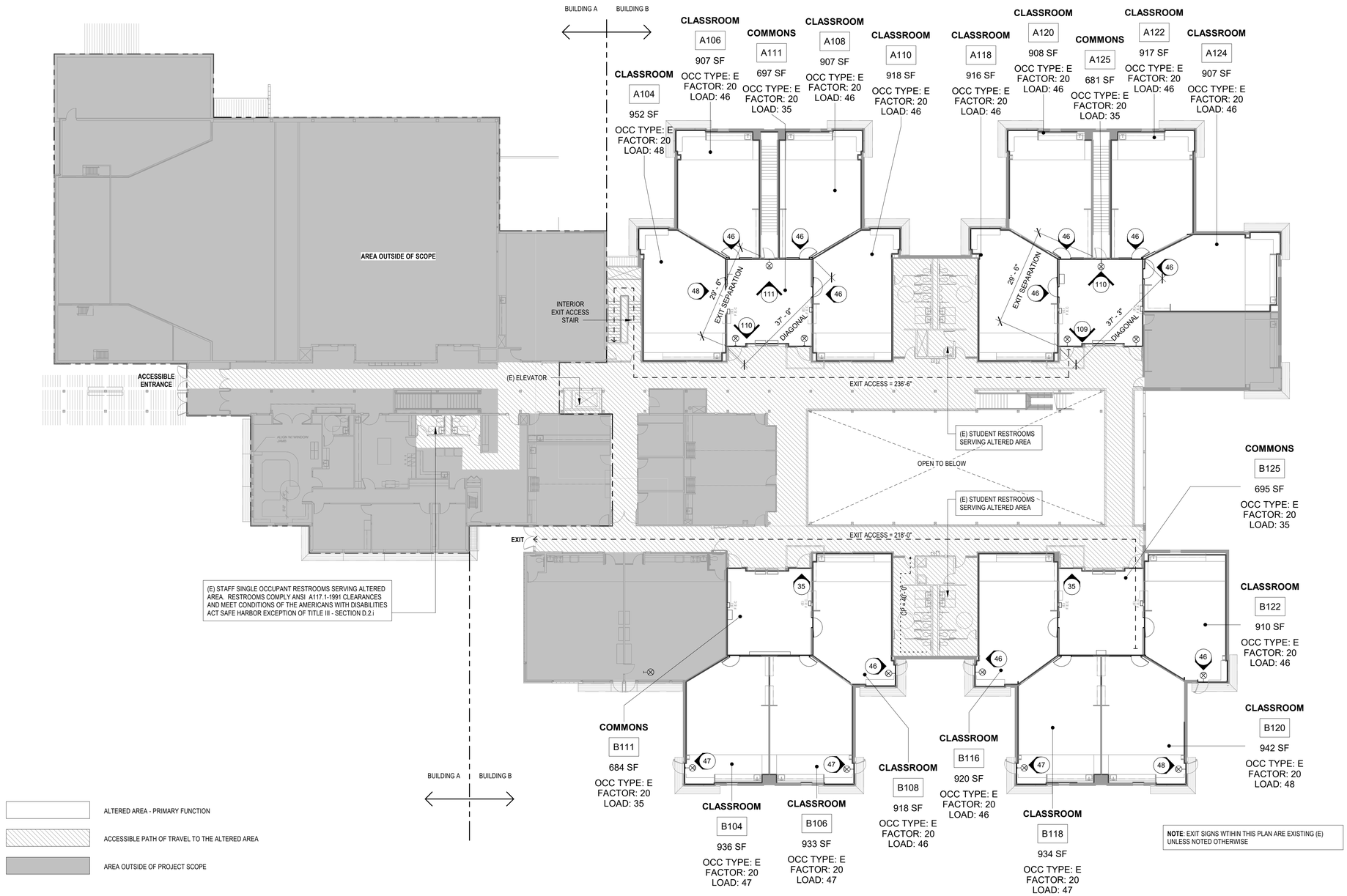

NOTE: EXIT SIGNS WITHIN THIS PLAN ARE EXISTING (E) UNLESS NOTED OTHERWISE

FIRE, LIFE, SAFETY PLAN - UPPER LEVEL

1/16" = 1'-0"

1

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES. UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018).
- INSTALLATION OF STAIR LEVEL IDENTIFICATION SIGNAGE AT EXISTING STAIRWAYS WITHIN THE ALTERED AREA (504.9)
- INSTALLATION OF THIRD VERITCAL GRAB BAR IN EXISTING ACCESSIBLE TOILET COMPARTMENTS (604.5.1)

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

CODE REQUIRED SIGANGE

A. PROVIDE REQUIRED CODE REQUIRED SIGNAGE AS PRESCRIBED BY THE OREGON STRUCTURAL SPECIALTY CODE AND THE INTERNATIONAL FIRE CODE. COORDINATE LOCATION WITH ARCHITECT AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

B. THE FOLLOWING ITEMS ARE TYPICALLY PROVIDED BY THE GENERAL CONTRACTOR, BUT MAY NOT EXHAUSTIVE OF ALL UNIQUE PROJECT REQUIREMENTS. COORDINATE EXTENT OF CODE REQUIRED SIGNAGE WITHIN THIS PROJECT WITH ARCHITECT OF RECORD PRIOR TO SUBSTANTIAL COMPLETION.

C. **OREGON SPECIALTY STRUCTURAL CODE - BASED ON THE INTERNATIONAL BUILDING CODE (IBC)**

- OCCUPANT LOAD (1004.3)
- TWO-WAY COMMUNICATION DEVICES (IBC 1007.8.2)
- AREAS OF REFUGE (IBC 1007.9)
- DELAYED EMERGENCY EXIT DOORS (IBC 1008.1.9)
- KEY LOCKS ON EGRESS SIDE OF DOORS (IBC 1008.1.9)
- EXIT SIGNAGE (IBC 1011.1)
- FLOOR IDENTIFICATION (IBC 1022.8)
- ACCESSIBILITY ELEMENTS AND DIRECTIONAL SIGNAGE (IBC 1110)
- ELEVATOR EMERGENCY SIGNS (IBC 3002.3)

D. **OREGON FIRE CODE - BASED ON THE INTERNATIONAL FIRE CODE (IFC)**

- NO SMOKING (IFC 310.3)
- PREMISES IDENTIFICATION (IFC 505.1)
- FIRE PROTECTION EQUIPMENT SIGNS (IFC 509.1)
- ELECTRICAL CONTROL ROOMS (IFC 605.3.1)
- FIRE DOORS (IFC 703.2.1)
- FIRE DEPARTMENT CONNECTIONS (IFC 912.4)

RATED ASSEMBLIES

A. WHERE RATED ASSEMBLIES ARE SHOWN ON THE FLS PLAN, PROVIDE A UL OR GA LISTED RATED ASSEMBLY TO MEET THE FIRE RATING REQUIREMENTS TO THE ARCHITECT FOR REVIEW.

B. PROVIDE A UL OR GA LISTED PERIMETER JOINT ASSEMBLY AND THROUGH PENETRATION FIRE STOP ASSMEMBLY MEETING THE FIRE RATED REQUIREMENT OF THE WALL, FLOOR/CEILING OR ROOF ASSMBLY SHOWN ON THE FLS PLANS.

C. PROVIDE A SUBMITTAL CUTSHEET TO THE ARCHITECT OF EACH SELECTED FIRE RESISTANT ASSEMBLY PRIOR TO INSTALLATION.

EMERGENCY LIGHTING REQUIREMENTS

A. MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS SERVED BY THE MEANS OF EGRESS.

B. PROVIDE MINIMUM 1 FOOT-CANDLE OF ILLUMINATION AT ALL MEANS OF EGRESS. THE POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE BUILDINGS ELECTRICAL SUPPLY. IN THE EVENT OF A POWER FAILURE, THE EMERGENCY POWER SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH 2015 IBC SECTION 2702 AND 2015 IBC SECTION 1006.

C. PRIOR TO FINAL INSPECTION, SUBMIT DOCUMENTATION SUBSTANTIATING THE COMPLETION OF TEST FOR THE MEANS OF EGRESS ILLUMINATION LEVEL PER 2015 IBC 1008.2.1, 1008.3 AND EMERGENCY POWER PER 1008.3.5.

FIRE LIFE SAFETY (BY GENERAL CONTRACTOR)

THE FOLLOWING ITEMS ARE FIRE LIFE SAFETY REQUIREMENTS TO BE COMPLETED BY THE GENERAL CONTRACTOR. PROVIDE THE APPROPRIATE SUBMITTAL TO THE ARCHITECT FOR REVIEW AND COORDINATION PRIOR TO SUBMITTING TO THE AUTHOROITY HAVING JURISDICTION.

DELEGATED DESIGN SUBMITTALS/PERMITS

A. ITEMS LISTED AS A DEFERRED SUBMITTAL OR DESIGN BUILD ITEMS ON SHEET G001 REQUIRE ENGINEERING TO BE PROVIDED BY THE GENERAL CONTRACTOR.

B. PROVIDE A COMPLETE AND ENGINEERED SYSTEM TO MEET THE DESIGN INTENT CONTAINED WITHIN THESE CONTRACT DOCUMENTS. PROVIDE A SUBMITTAL TO THE ARCHITECT FOR REVIEW OF DESIGN INTENT CONFORMANCE ONLY; THIS REVIEW DOES NOT CONSTITUTE A PROFESSIONAL PEER REVIEW OF THE SYSTEMS SUBMITTED.

C. WHERE A LICENSED DESIGN PROFESSIONAL IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR IS TO SECURE THESE SERVICES AND PROVIDE STAMPED DOCUMENTS TO MEET THE LOCAL REQUIREMENTS FOR A DEFERRED SUBMITTAL OR SEPARATE PERMIT.

D. ADDITIONAL DEFERRED SUBMITTAL OR PERMIT FEES TO BE PAID BY THE GENERAL CONTRACTOR.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

CODE SUMMARY

APPLICABLE CODES

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WASHINGTON COUNTY MUNICIPAL CODE

CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY:	E (EDUCATION)
CONSTUCTION TYPE:	V-B (SPRINKLERED)
STORIES:	2 ABOVE GRADE
SEPARATION:	NON-SEPARATED

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME:	**0 HOURS**
BEARING WALLS:	
EXTERIOR:	**0 HOURS**
INTERIOR:	**0 HOURS**
NON BEARING WALLS AND PARTITIONS:	
EXTERIOR:	**SEE SHELL FLS PLANS**
INTERIOR:	**0 HOUR**
FLOOR CONSTRUTION:	**0 HOURS**
ROOF CONSTRUCTION:	**0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

INTERIOR EXIT STAIRWAYS, EXIT RAMPS AND EXIT PASSAGEWAYS:	**CLASS A**
CORRIDORS AND ENCLOSUES FOR EXIT STAIRWAYS AND RAMPS:	**CLASS B**
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1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH SPACE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

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1007.1.1 EXIT DISTANCE: WHERE TWO EXITS ARE REQUIRED, THE SEPARATION DISNACE SHALL NOT BE LESS THAN **1/3RD THE DIAGONAL** WITH AN AUTOMATIC SPRINKLER SYSTEM.

1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY E, SPRINKLERED: **250'**

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 44" EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
- C.P. X' - X' COMMON PATH OF EGRESS TRAVEL (OSSC 1014.3)
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- 10 OCCUPANT LOAD AT OPENING
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- LIGHTED EXIT SIGN - CEILING MOUNTED *SHADING INDICATES LIGHTED FACE(S), DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN*
- LIGHTED EXIT SIGN - WALL MOUNTED
- F.E.C FIRE EXTINGUISHER CABINET - COORDINATE LOCATION WITH FIRE MARSHAL

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REVISIONS:

CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL

5477 NW SKYCREST PKWY
PORTLAND, OR 97229

PERMIT

PROJECT: 21005.01
DATE: 11/10/2022

FIRE, LIFE & SAFETY PLAN

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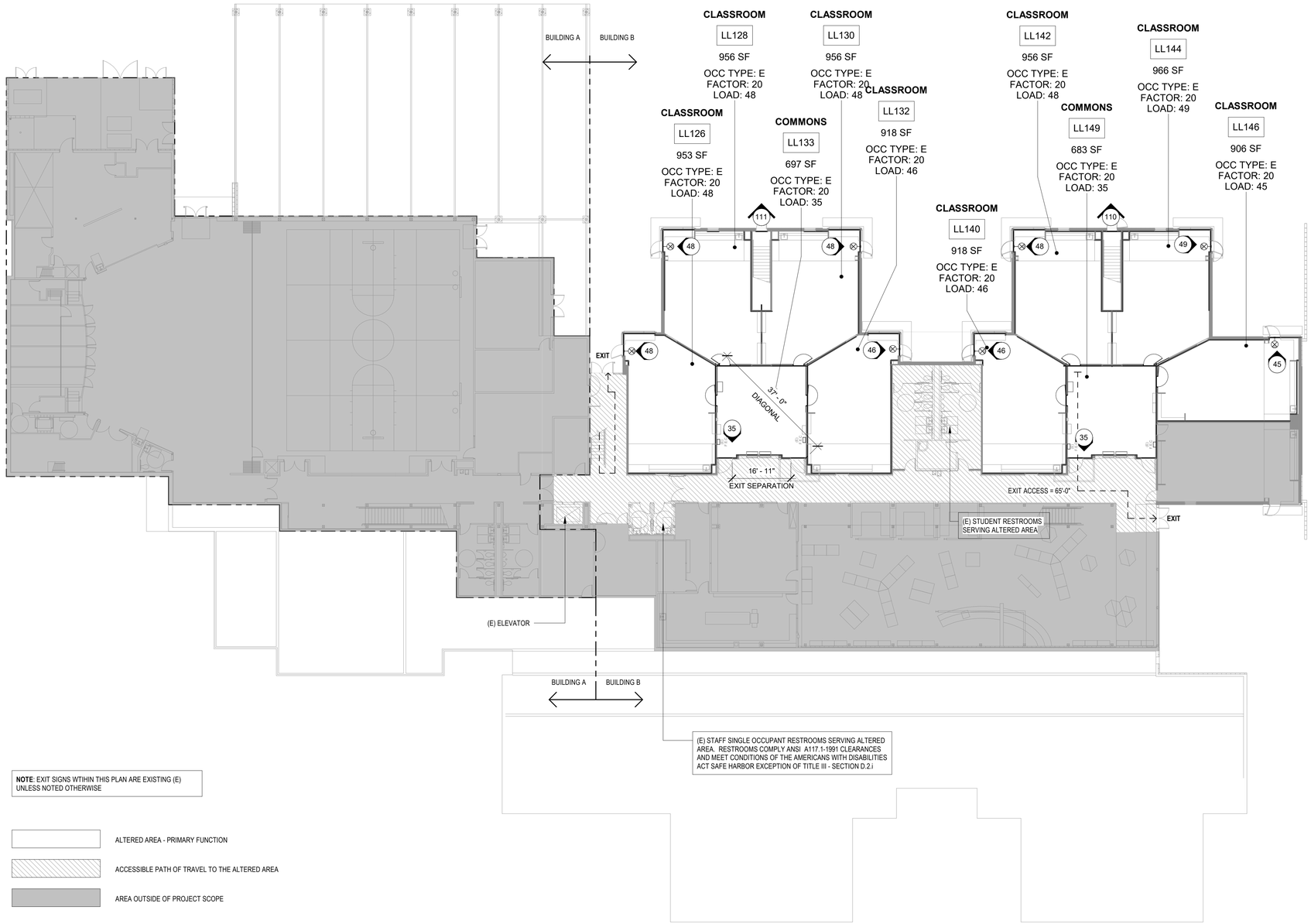

NOTE: EXIT SIGNS WTIHIN THIS PLAN ARE EXISTING (E) UNLESS NOTED OTHERWISE

ALTERED AREA - PRIMARY FUNCTION

ACCESSIBLE PATH OF TRAVEL TO THE ALTERED AREA

AREA OUTSIDE OF PROJECT SCOPE

FIRE, LIFE, SAFETY PLAN - LOWER LEVEL

1/16" = 1'-0"

1

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES. UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)
- INSTALLATION OF STAIR LEVEL IDENTIFICATION SIGNAGE AT EXISTING STAIRWAYS WITHIN THE ALTERED AREA (504.9)
- INSTALLATION OF THIRD VERITCAL GRAB BAR IN EXISTING ACCESSIBLE TOILET COMPARTMENTS (604.5.1)

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

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CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY:	E (EDUCATION)
CONSTUCTION TYPE:	V-B (SPRINKLERED)
STORIES:	2 ABOVE GRADE
SEPARATION:	NON-SEPARATED

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME:	**0 HOURS**
BEARING WALLS:	
EXTERIOR:	**0 HOURS**
INTERIOR:	**0 HOURS**
NON BEARING WALLS AND PARTITIONS:	
EXTERIOR:	**SEE SHELL FLS PLANS**
INTERIOR:	**0 HOUR**
FLOOR CONSTRUTION:	**0 HOURS**
ROOF CONSTRUCTION:	**0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

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MEANS OF EGRESS (CHAPTER 10)

1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH SPACE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

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1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY E, SPRINKLERED: **250'**

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 44" — EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
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- E.A. X' - X" — EXIT ACCESS DISTANCE (OSSC 1016)
- 10 — OCCUPANT LOAD AT OPENING
- 10 — CUMMALTIVE OCCUPANT LOAD AT OPENING
- LIGHTED EXIT SIGN - CEILING MOUNTED *SHADING INDICATES LIGHTED FACE(S), DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN*
- LIGHTED EXIT SIGN - WALL MOUNTED
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REVISIONS:

CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL

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PERMIT

PROJECT: 21005.01
DATE: 11/10/2022

FIRE, LIFE & SAFETY PLAN

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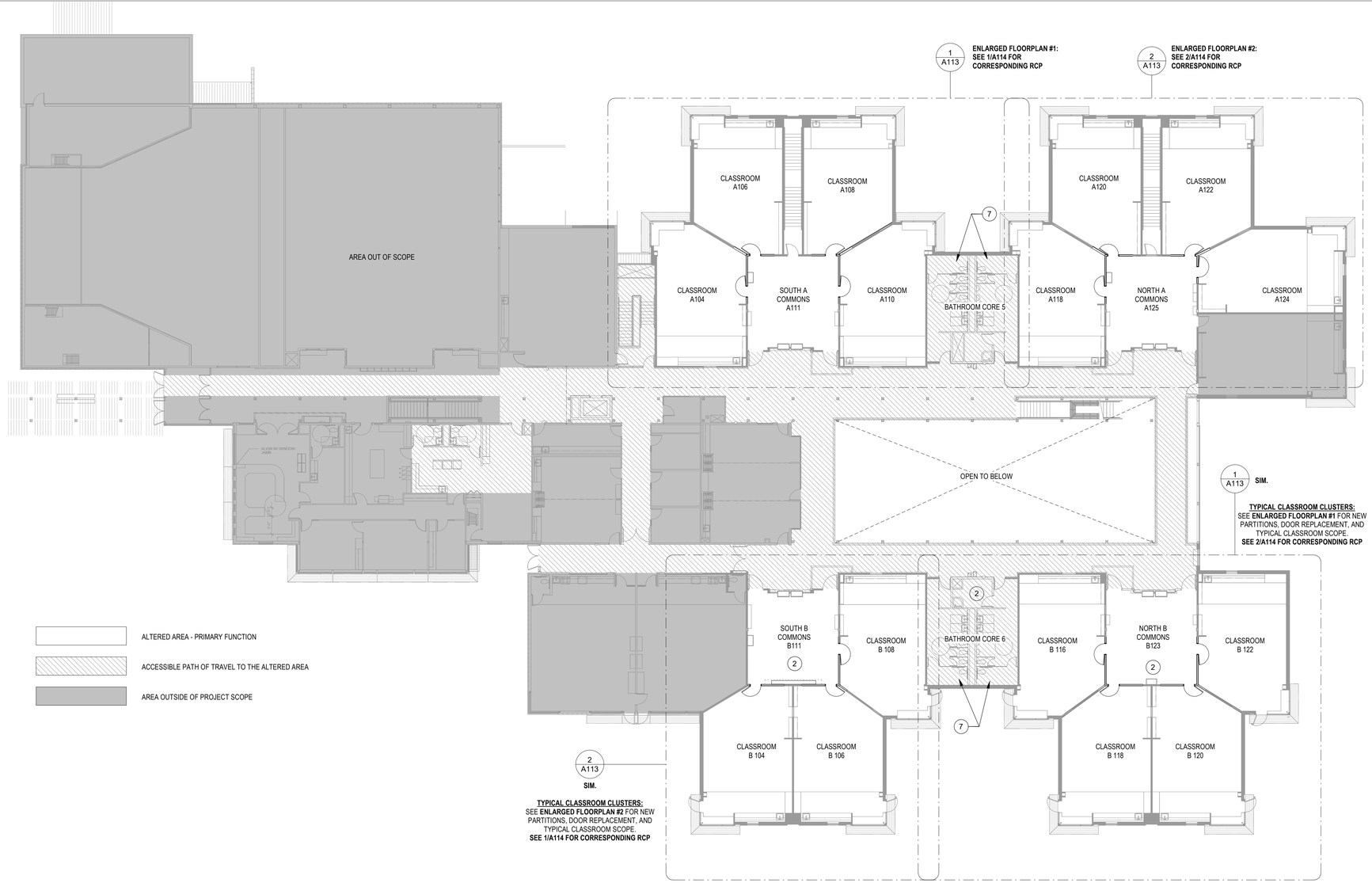

FLOOR PLAN - UPPER LEVEL 1

1/16" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. REFER TO SHEET G101 FOR LOCATION OF RATED WALLS. MAINTAIN ALL RATINGS THROUGH RATED ASSEMBLIES INCLUDING THROUGH PENETRATIONS AND PERIMETER JOINT ASSEMBLIES.

C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

F. WHERE DIMENSIONS ARE LISTED AS 'CRITICAL CLEAR' THESE DIMENSIONS MUST ABSULUTELY BE HELD FOR ADA OR EGRESS COMPLIANCE. DIMENSIONS LISTED WITH '+/-' TYPICALLY HAVE SOME CONSTRUCTION TOLERANCE.

G. PATCH AREAS ADJACENT OR ADJOINING DEMOLITION WORK TO MATCH EXISTING AND/OR NEW CONSTRUCTION.

H. ALL NEW GYPSUM BOARD WALL SURFACES TO RECEIVE A SMOOTH, LEVEL 4 FINISH PER AWCI STANDARDS.

I. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

KEYED NOTES - PROJECT SCOPE

1	ALIGN F.O. FINISHES, TYP.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WITHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
6	RELOCATE (E) LIGHT SWITCH FROM THIS LOCATION; SEE ELECTRICAL DRAWINGS
7	INSTALL (N) 18" VERTICAL GRAB BAR AT EXISTING ACCESSIBLE RESTROOM OR TOILET COMPARTMENT. REMOUNT EXISTING TOILET ACCESSSORIES WITHIN THIS AREA TO MEET ADA COMPLIANCE; SEE G001 FOR MOUNTING HEIGHTS AND CLEARANCES
9	ALIGN F.O. FINISHES TO EXISTING HEADERS IF PRESENT. ALIGN F.O. FINISHES TO THE COMMONS SIDE IF THERE IS NO EXISITNG HEADERS.
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
17	INSTALL OWNER PROVIDED ROOM SIGANG. MATCH DISTRICT STANDARD, CFCI. TYP.
18	INSTALL NEW 3"x3"x48" STAINLESS STEEL CORNER GUARD, MECHANICALLY FASTENED.
19	REMOVE AND PROTECT EXISTING CASEWORK/SECURED FURNITURE. REINSTALL REMOVED ITEMS FOLLOWING THE WALL PAINT SCOPE AT ORIGINAL LOCATION UNO IN CASEWORK RELOCATION DIAGRAM. INSTALL AND SCRIBE RUBBER WALL BASE TO THE FACE OF REINSTALLED CASEWORK. GC TO CONFIRM THE FINAL LOCATION OF THE CASEWORK WITH THE DISTRICT. VERIFY ALL DIMENSION ON SITE.
20	RELOCATE SECURED FURNITURE TO LOCATION SHOWN - SEE KEYNOTE 19 FOR INSTALLATION DETAILS. GC TO CONFIRM FINAL LOCATION WITH THE DISTRICT.
21	NEW SUPPLY AIR DIFFUSER / RETURN AIR REGISTER. GC TO REPLACE ALL CEILING TILE AND GRID AND REPAIR AS NECESSARY TO THE EXTENT REQUIRED TO ACCOMODATE NEW MECHANICAL WORK SCOPE. GC TO PATCH BACK ALL WALL PENETRATION AROUND NEW OPENING FOLLOWING HVAC DEMOLITION AND/OR CONSTRUCTION. SEE MECHANICAL FOR REVISIONS.

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FLOOR PLAN - UPPER LEVEL

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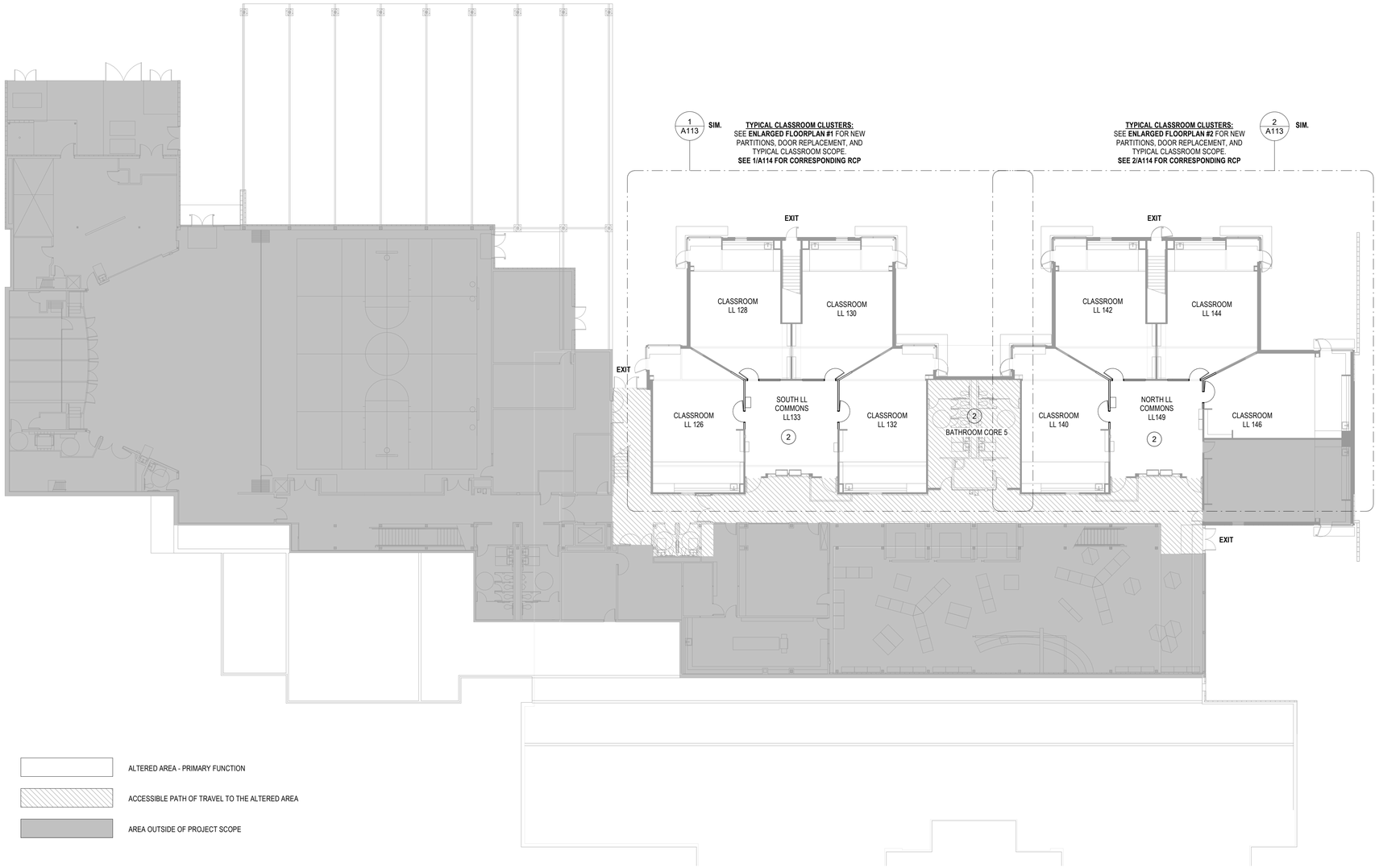

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D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

F. WHERE DIMENSIONS ARE LISTED AS 'CRITICAL CLEAR' THESE DIMENSIONS MUST ABSULUTELY BE HELD FOR ADA OR EGRESS COMPLIANCE. DIMENSIONS LISTED WITH '+/-' TYPICALLY HAVE SOME CONSTRUCTION TOLERANCE.

G. PATCH AREAS ADJACENT OR ADJOINING DEMOLITION WORK TO MATCH EXISTING AND/OR NEW CONSTRUCTION.

H. ALL NEW GYPSUM BOARD WALL SURFACES TO RECEIVE A SMOOTH, LEVEL 4 FINISH PER AWCI STANDARDS.

I. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

KEYED NOTES - PROJECT SCOPE

1	ALIGN F.O. FINISHES, TYP.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WITHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
6	RELOCATE (E) LIGHT SWITCH FROM THIS LOCATION; SEE ELECTRICAL DRAWINGS
7	INSTALL (N) 18" VERTICAL GRAB BAR AT EXISTING ACCESSIBLE RESTROOM OR TOILET COMPARTMENT. REMOUNT EXISTING TOILET ACCESSSORIES WITHIN THIS AREA TO MEET ADA COMPLIANCE; SEE G001 FOR MOUNTING HEIGHTS AND CLEARANCES
9	ALIGN F.O. FINISHES TO EXISTING HEADERS IF PRESENT. ALIGN F.O. FINISHES TO THE COMMONS SIDE IF THERE IS NO EXISITNG HEADERS.
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
17	INSTALL OWNER PROVIDED ROOM SIGANG. MATCH DISTRICT STANDARD. CFCI. TYP.
18	INSTALL NEW 3'x3"x48" STAINLESS STEEL CORNER GUARD, MECHANICALLY FASTENED.
19	REMOVE AND PROTECT EXISTING CASEWORK/SECURED FURNITURE. REINSTALL REMOVED ITEMS FOLLOWING THE WALL PAINT SCOPE AT ORIGINAL LOCATION UNO IN CASEWORK RELOCATION DIAGRAM. INSTALL AND SCRIBE RUBBER WALL BASE TO THE FACE OF REINSTALLED CASEWORK. GC TO CONFIRM THE FINAL LOCATION OF THE CASEWORK WITH THE DISTRICT. VERIFY ALL DIMENSION ON SITE.
20	RELOCATE SECURED FURNITURE TO LOCATION SHOWN - SEE KEYNOTE 19 FOR INSTALLATION DETAILS. GC TO CONFIRM FINAL LOCATION WITH THE DISTRICT.
21	NEW SUPPLY AIR DIFFUSER / RETURN AIR REGISTER. GC TO REPLACE ALL CEILING TILE AND GRID AND REPAIR AS NECESSARY TO THE EXTENT REQUIRED TO ACCOMODATE NEW MECHANICAL WORK SCOPE. GC TO PATCH BACK ALL WALL PENETRATION AROUND NEW OPENING FOLLOWING HVAC DEMOLITION AND/OR CONSTRUCTION. SEE MECHANICAL FOR REVISIONS.

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PORTLAND, OR 97229

PERMIT

PROJECT: 21005.01
DATE: 11/10/2022

FLOOR PLAN - LOWER LEVEL

A012

11/10/2022 10:32:02 AM

KEYED NOTES - PROJECT SCOPE

1	ALIGN F.O. FINISHES, TYP.
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FINISH SCHEDULE

NOTE - INSTALL ALL FINISHES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

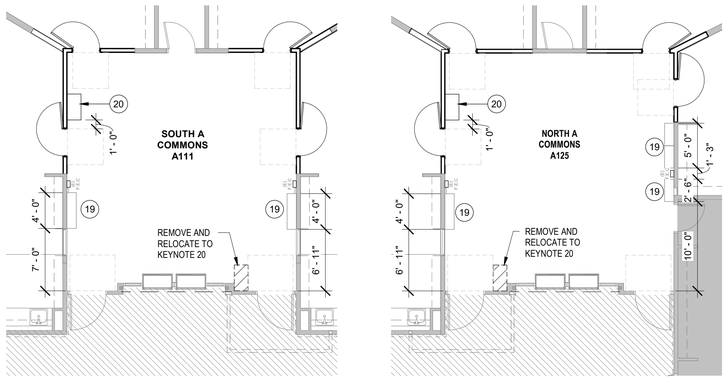
09 91 00 - PAINTS AND COATINGS

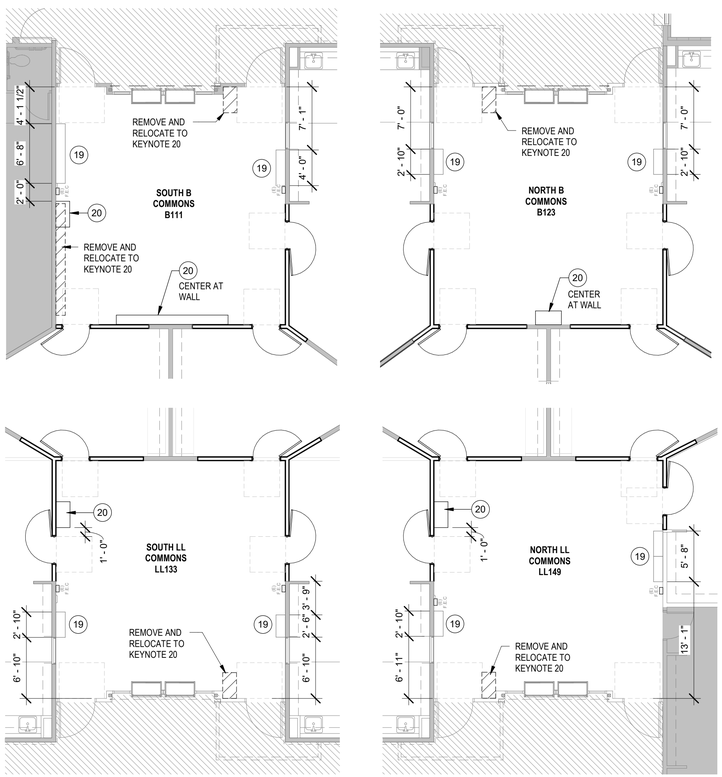
PT-1:
MANUFACTURER: RODDA PAINT
PRODUCT: UNIQUE II LOW-GLOSS (532001)
COLOR: MATCH BUILDING STANDARD
FINISH: LOW GLOSS EGGSHELL
LOCATIONS: WALL FINISH

PT-2:
MANUFACTURER: RODDA PAINT
PRODUCT: MULTI MASTER DTM OR EQUAL
COLOR: TBD
LOCATIONS: DOOR FRAME

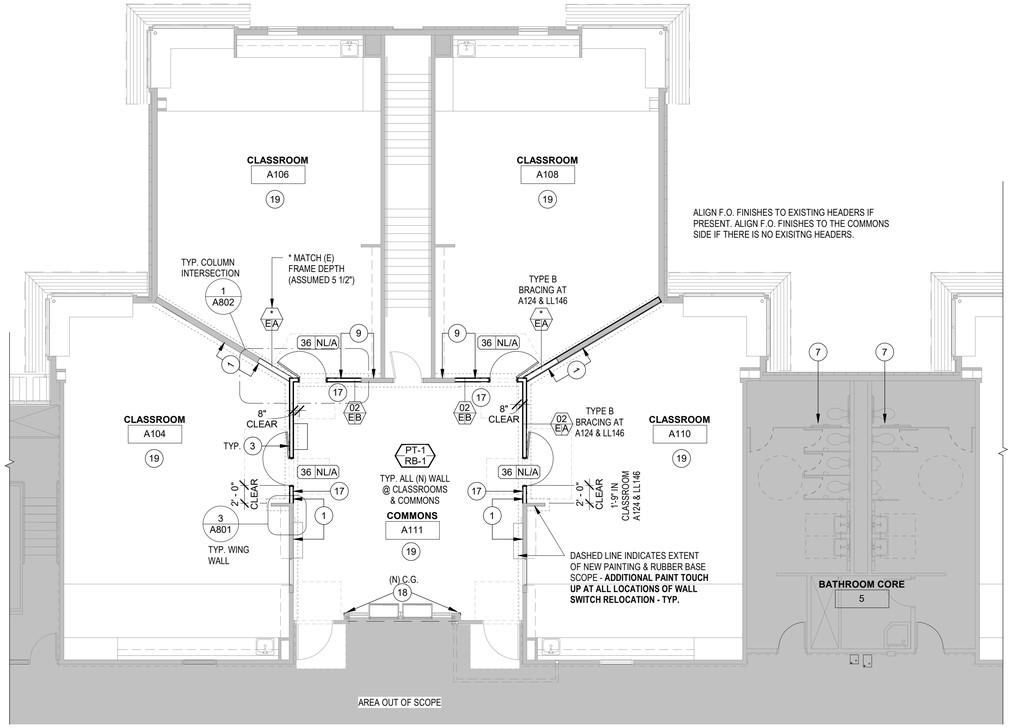
09 65 00 - RESILIENT FLOORING & BASE

RB-1:
MANUFACTURER: FLEXCO
PRODUCT: WALL FLOWER RUBBER COVE BASE
SIZE: 4"
COLOR: TBD
LOCATIONS: AT WALLS WHERE NEW PAINT IS APPLIED, TYPICAL

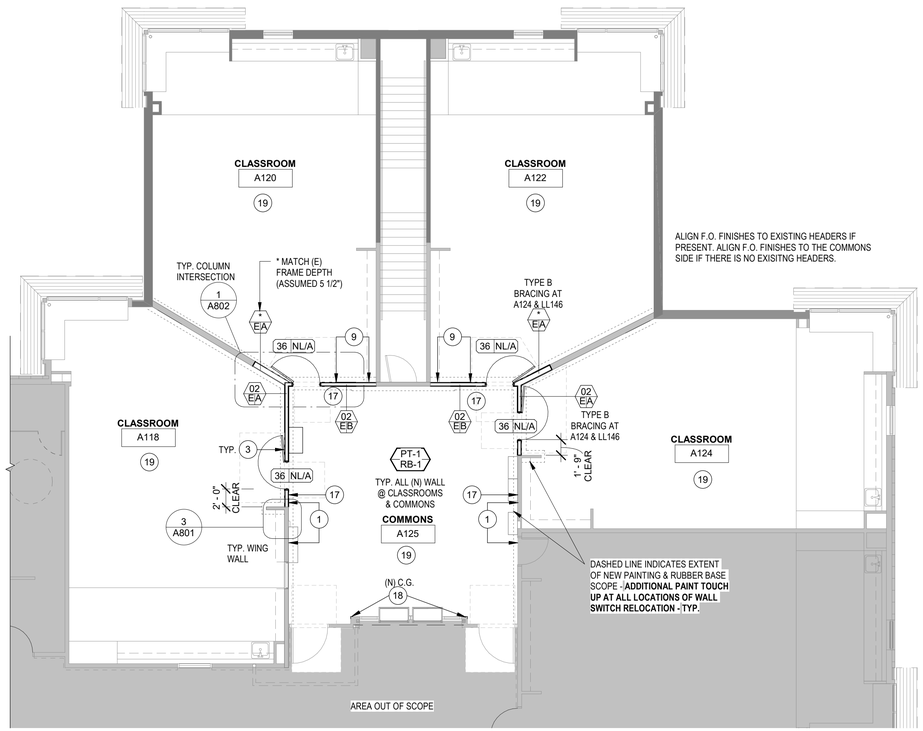




SECURED FURNITURE RELOCATION DIAGRAMS
1/8" = 1'-0" (3)



ENLARGED FLOOR PLAN #1
1/8" = 1'-0" (1)



ENLARGED FLOOR PLAN #2
1/8" = 1'-0" (2)

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. REFER TO SHEET G101 FOR LOCATION OF RATED WALLS. MAINTAIN ALL RATINGS THROUGH RATED ASSEMBLIES INCLUDING THROUGH PENETRATIONS AND PERIMETER JOINT ASSEMBLIES.

C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

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I. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

LEGEND - FLOOR PLANS

WALL TAG — 01 / EA / A: WALL TYPE PER ASSEMBLY; BRACING CONDTION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE — 102: DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE — 34 / A: DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG — A: WINDOW TYPE - SEE SCHEDULE

KEY NOTE — 1.: KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

LIGHTING AND CEILING MATERIALS - LEGEND

FINISHES KEY. SEE FINISH SCHEDULE FOR TYPES

ACT-1: (24 x 48) — GWB: (SEE TYPE)

WALL BRACING KEY - REFER TO PARTITION DETAILS

- **COMPOSITE WALL TO PARTITION TRACK** - SEE WALL DETAIL C/A800.
- **BRACED WALL, BELOW GWB HEADER** - SEE WALL DETAIL B/A800.
- **BRACED WALL, BELOW TILE CEILING** - SEE WALL DETAIL A/A800.
- **EXISTING WALLS**

CEILING TAG — ACT-1 / 10'-0": *CEILING TYPE - SEE SCHEDULE*; *CEILING HEIGHT AFF*

LIGHTING & FIXTURE KEY. SEE SPECIFICATIONS AND ELEVATIONS FOR DETAILS

LIGHTING TAG - SEE SCHEDULE

- **EXISTING TROFFER FIXTURE** - 2 x 4
- $ **SWITCH LOCATION** — **D** = DIMABLE; **OS** = OCCUPANCY SENSOR; **3** = 3-WAY SWITCH
- **EXIT LIGHT (BATTERY BACKUP)** - ARROW DESIGNATES DIRECTION
- **OUTLET LOCATION** - ABOVE 96" CEILING

HVAC SYMBOLS. SEE MECHANICAL SHEETS AND SPECIFICATIONS FOR DETAILS

NOTE:
CONCTRACTOR TO REPLACE CEILING TILE AND GRID TO THE EXTENT REQUIRED TO ACCOMMODATE NEW DUCT WORK.

- **NEW RETURN GRILL**
- **EXISTING SUPPLY DIFFUSER**
- **EXISTING RETURN GRILL**
- D **HVAC ELEMENT TO BE DEMOLISHED**

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PERMIT

PROJECT: 21005.01
DATE: 11/10/2022

ENLARGED FLOOR PLAN
A113

11/10/2022 10:32:03 AM

KEYED NOTES - PROJECT SCOPE

1	ALIGN F.O. FINISHES, TYP.
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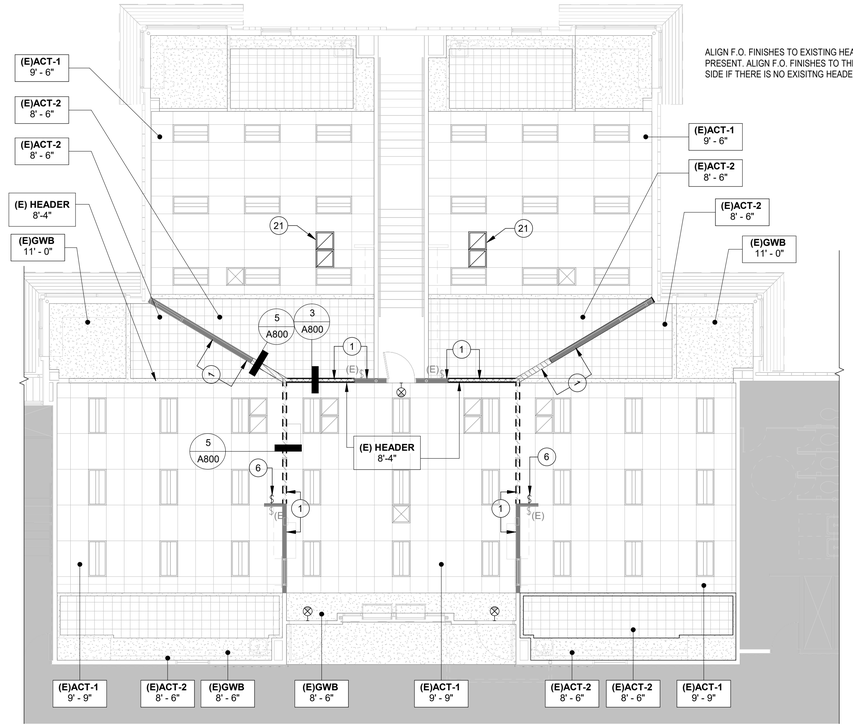
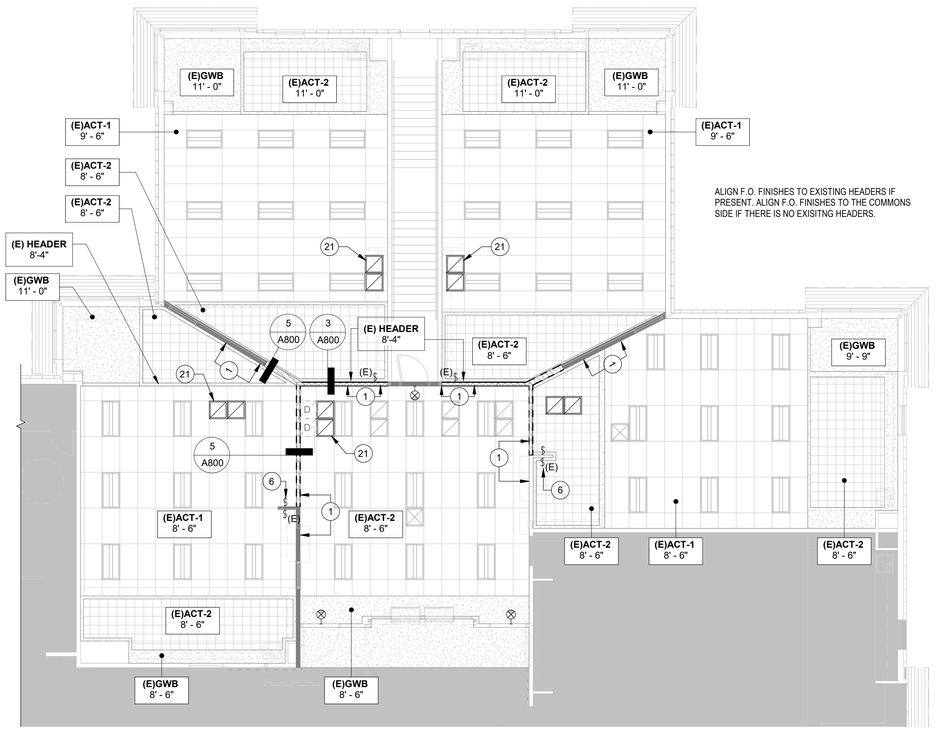
ELECTRICAL SCOPE: SEE ELECTRICAL FOR ALL EXISTING TO REMAIN AND EXISTING TO RELOCATE EXIT SIGNS AND LIGHT SWITCHES.

AREA OF HVAC WORKSCOPE: GC TO REPLACE ALL CEILING TILE AND GRID AND REPAIR AS NECESSARY TO THE EXTENT REQUIRED TO ACCOMODATE NEW MECHANICAL WORK SCOPE. SEE MECHANICAL.



TYPICAL ENLARGED CEILING PLAN #1 — 1

1/8" = 1'-0"



TYPICAL ENLARGED CEILING PLAN #2 — 2

1/8" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - REFLECTED CEILING PLANS

A. LIGHTING SHOWN IS FOR DESIGN INTENT ONLY. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE LIGHTING SYSTEM THAT MEETS ALL LOCAL REGULATORY CODES. REFER TO G001 FOR DESIGN BUILD REQUIREMENTS, G101 FOR EMERGENCY LIGHTING REQUIREMENTS AND THE LOCAL ENERGY CODE FOR DAYLIGHT ZONE REQUIREMENTS.

1. SPECIFICATION OF LUMENS AND/OR LIGHT LEVELS IS DESIGN/BUILD. IN GENERAL, PROVIDE LIGHT LEVELS TO MATCH THE ILLUMINATED ENGINEERING SOCIETY (IES) LIGHTING HANDBOOK RECOMMENDATIONS.
2. CONFIRM AND PROVIDE EMERGENCY EGRESS LIGHTING OF A MINIMUM 1 FC AT ALL TIMES ALONG EGRESS PATHS. COORDINATE SWITCHING, GENERATOR POWER OR BATTERY BACKUP OF ALL LIGHT FIXTURES.

B. DESIGN REQUIREMENT FOR ALL CEILINGS MUST MEET THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE FOR SEISMIC CATEGORIES D, E & F, ASCE 7-02, OR-05, OR CISCA RECORDATION FOR SEISMIC ZONES 3 & 4 OR TO THE LOCAL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. SEE GENERAL NOTES ON A810 FOR DESIGN REQUIREMENTS.

C. COORDINATE ALL SWITCHING WITH OWNER FOR PREFERRED LOCATIONS.

1. ALL OFFICES AND INDIVIDUAL ROOMS TO BE SWITCHED INDEPENDENTLY. PROVIDE AN OCCUPANCY SENSOR TO ALL ENCLOSED ROOMS.
2. COORDINATE OPEN AREA SWITCHING WITH THE TENANT FOR PREFERRED LOCATIONS.
3. COORDINATE FINAL LOCATION OF PENDANTS WITH FURNITURE. VERIFY LOCATION WITH OWNER OR DESIGNER PRIOR TO FINAL PLACEMENT.
4. WHERE ACCENT LIGHTING IS DESIGNATED, SEPARATE SWITCHING IS PROPOSED AND DESIGNATED BY DASHED LINES WITHIN THIS DRAWING.

D. CENTER ALL FIXTURES AND SPRINKLER HEADS WITHIN CEILING TILES, ALIGN RECESSED FIXTURES AND SPRINKLER SYSTEMS.

E. CENTER ALL LIGHTING FIXTURES BETWEEN CEILING GRID OR ADJACENT WALLS, UNLESS INDICATED OTHERWISE.

F. WHERE LIGHTING FIXTURES ARE PROPOSED WITHIN ROOMS WITH AN OPEN CEILING, PROVIDE SUFFICIENT SUPPORT SUCH AS UNISTRUT OR TIE WIRES TO SUSPEND FIXTURES AT 9'-6" AFF UNLESS NOTED OTHERWISE.

G. WITHIN NON-ACT CEILINGS (I.E. HARDLID), PROVIDE THE FOLLOWING :

SPRINKLER HEADS:	FULLY CONCEALED, COLOR TO MATCH CEILING
HVAC GRILLS:	LINEAR DIFFUSERS AND RETURNS
ACCESS PANELS:	FULLY FLUSH RECESSED

H. WHERE CEILINGS RECEIVE A FINISH OTHER THAN WHITE PAINT OR MANUFACTURER'S ACT, PROVIDE WALL MOUNTED STROBES, HORNS, EGRESS SIGNS OR OTHER CODE REQUIRED ITEMS.

I. SEE SECTION 01 91 13 - GENERAL COMMISSIONING REQUIREMENTS FOR MECHANICAL AND CONTROL SCOPE TO BE COMMISSIONED.

LIGHTING AND CEILING MATERIALS - LEGEND

FINISHES KEY. SEE FINISH SCHEDULE FOR TYPES

ACT-1: (24 x 48) — **GWB: (SEE TYPE)**

WALL BRACING KEY - REFER TO PARTITION DETAILS

COMPOSITE WALL TO PARTITION TRACK - SEE WALL DETAIL C/A800.

BRACED WALL, BELOW GWB HEADER - SEE WALL DETAIL B/A800.

BRACED WALL, BELOW TILE CEILING - SEE WALL DETAIL A/A800.

EXISTING WALLS

CEILING TAG

ACT-1 10-0" — *CEILING TYPE - SEE SCHEDULE* — *CEILING HEIGHT AFF*

LIGHTING & FIXTURE KEY. SEE SPECIFICATIONS AND ELEVATIONS FOR DETAILS

LIGHTING TAG - SEE SCHEDULE

FLX — **EXISTING TROFFER FIXTURE -** 2 x 4

EXISTING LINEAR PENDANT - 96"

EXISTING RECESSED LIGHT

THERMOSTAT SEE MECHANICAL

$ **SWITCH LOCATION**

EXIT LIGHT (BATTERY BACKUP) EXISTING

NEW/RELOCATED

D = DIMABLE
OS = OCCUPANCY SENSOR
3 = 3-WAY SWITCH

OUTLET LOCATION - ABOVE 96" CEILING

HVAC SYMBOLS. SEE MECHANICAL SHEETS AND SPECIFICATIONS FOR DETAILS

NOTE:
CONCTRACTOR TO REPLACE CEILING TILE AND GRID TO THE EXTENT REQUIRED TO ACCOMMODATE NEW DUCT WORK.

NEW RETURN GRILL

EXISTING SUPPLY DIFFUSER

EXISTING RETURN GRILL

D **HVAC ELEMENT TO BE DEMOLISHED**

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PROJECT: 21005.01
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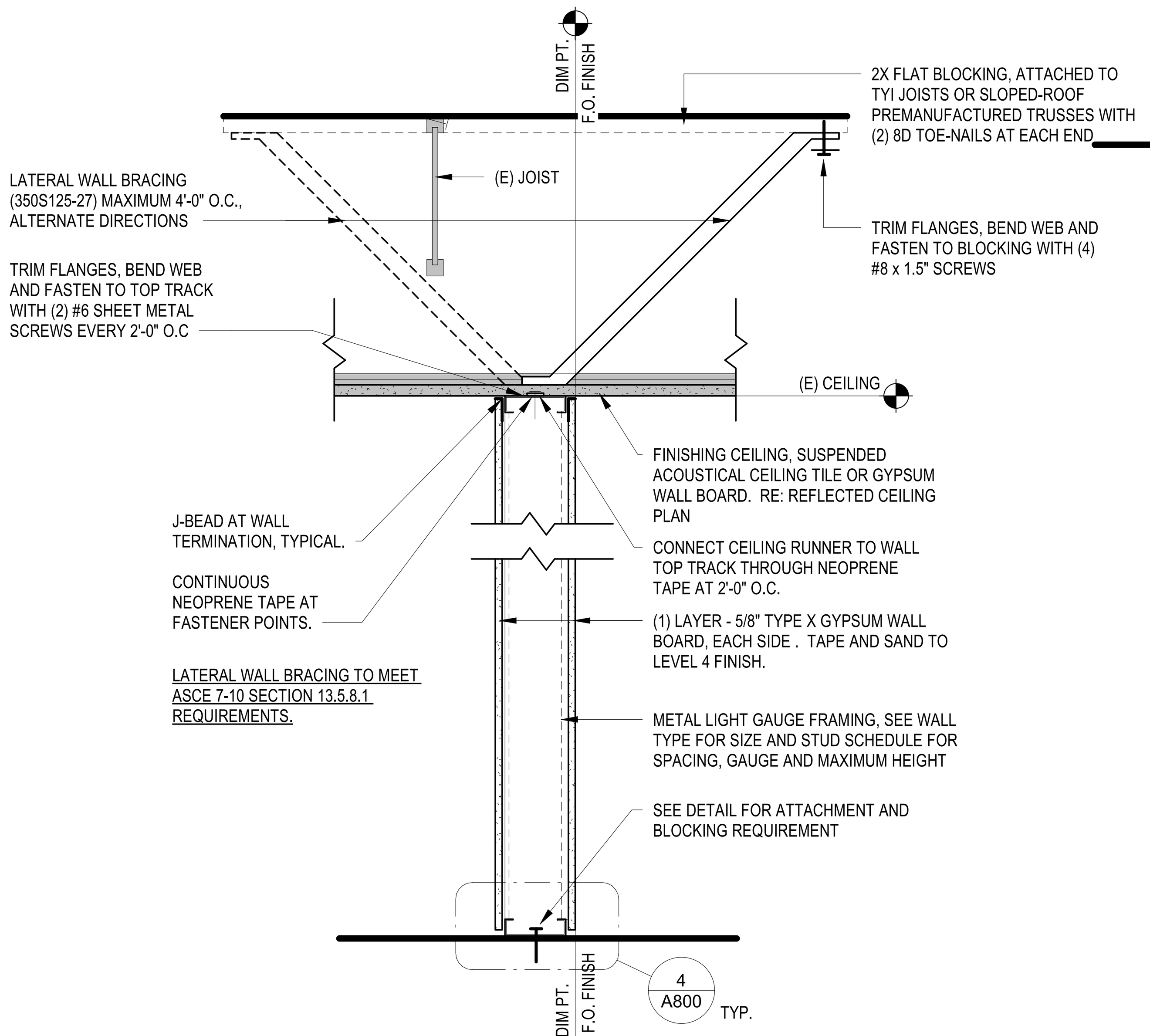
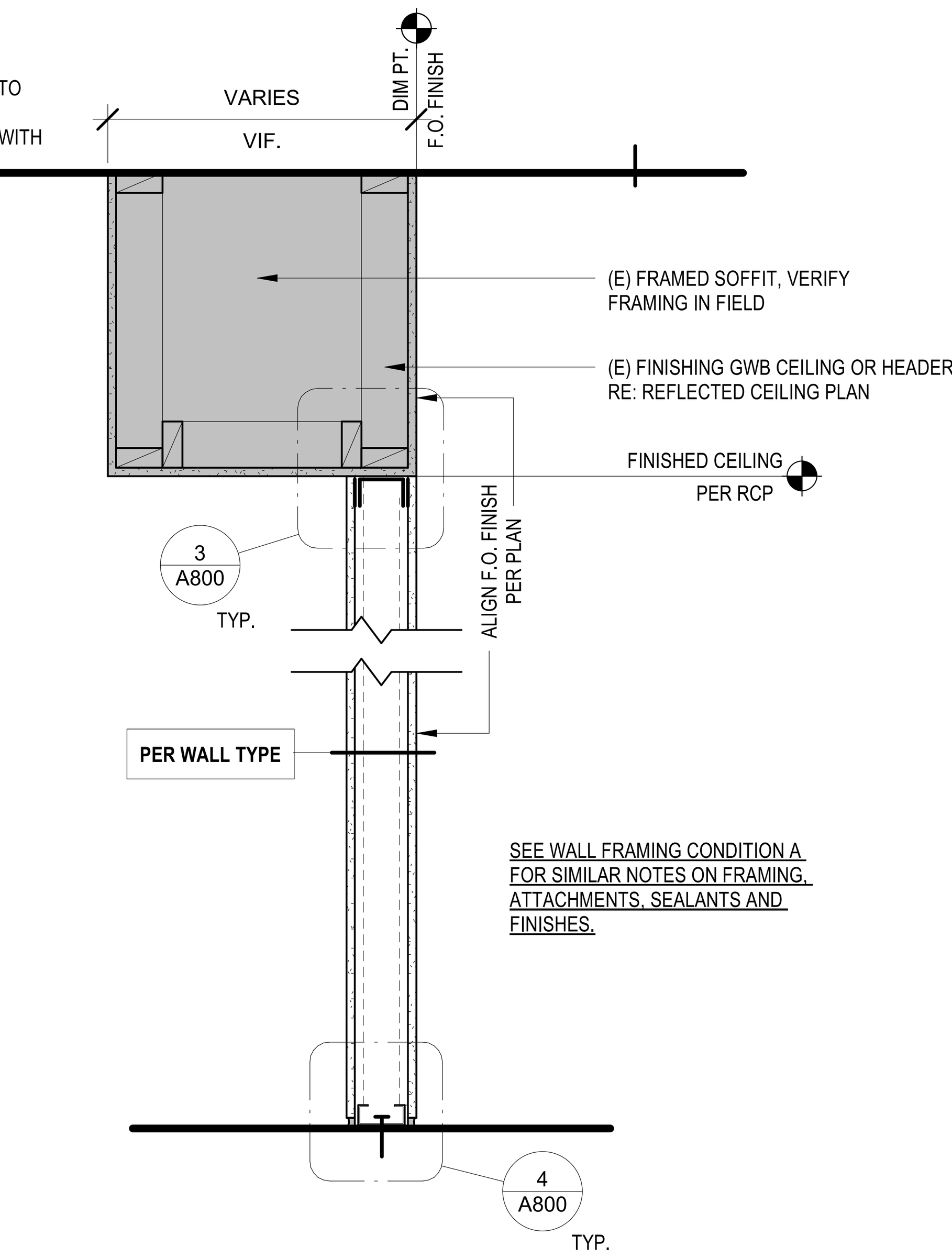
ENLARGED TYPICAL CEILING PLANS

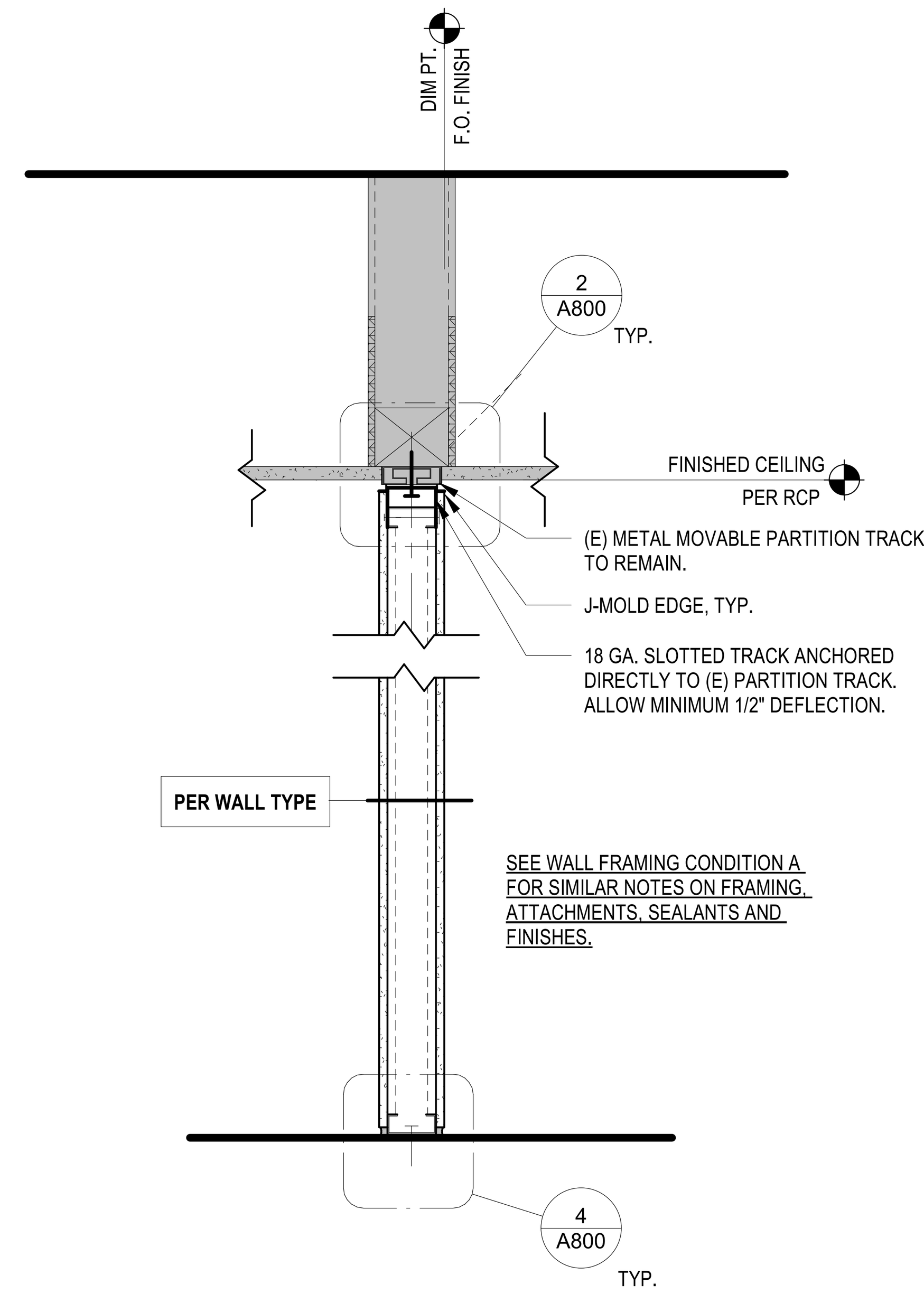
A211



BRACED WALL @ (E) ACT (A)
1" = 1'-0"



BRACED WALL @ (E) SOFFIT/HEADER (B)
1" = 1'-0"

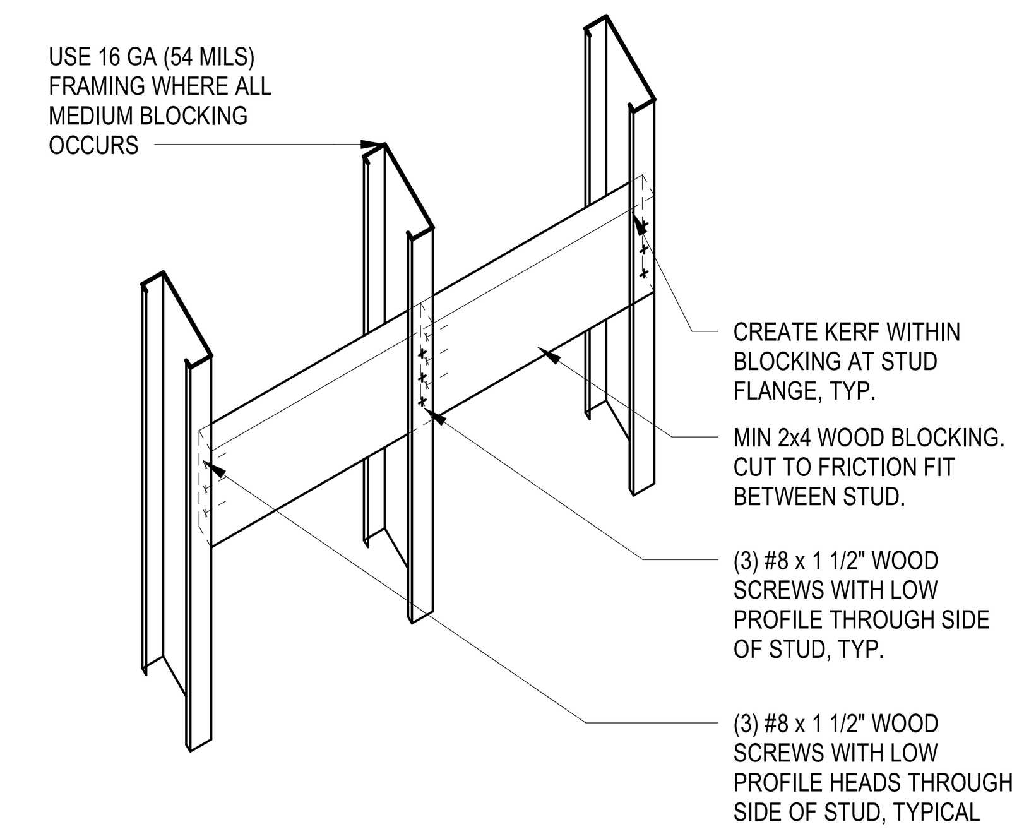


BRACED WALL @ (E) PARTITION TRACK (C)
1" = 1'-0"

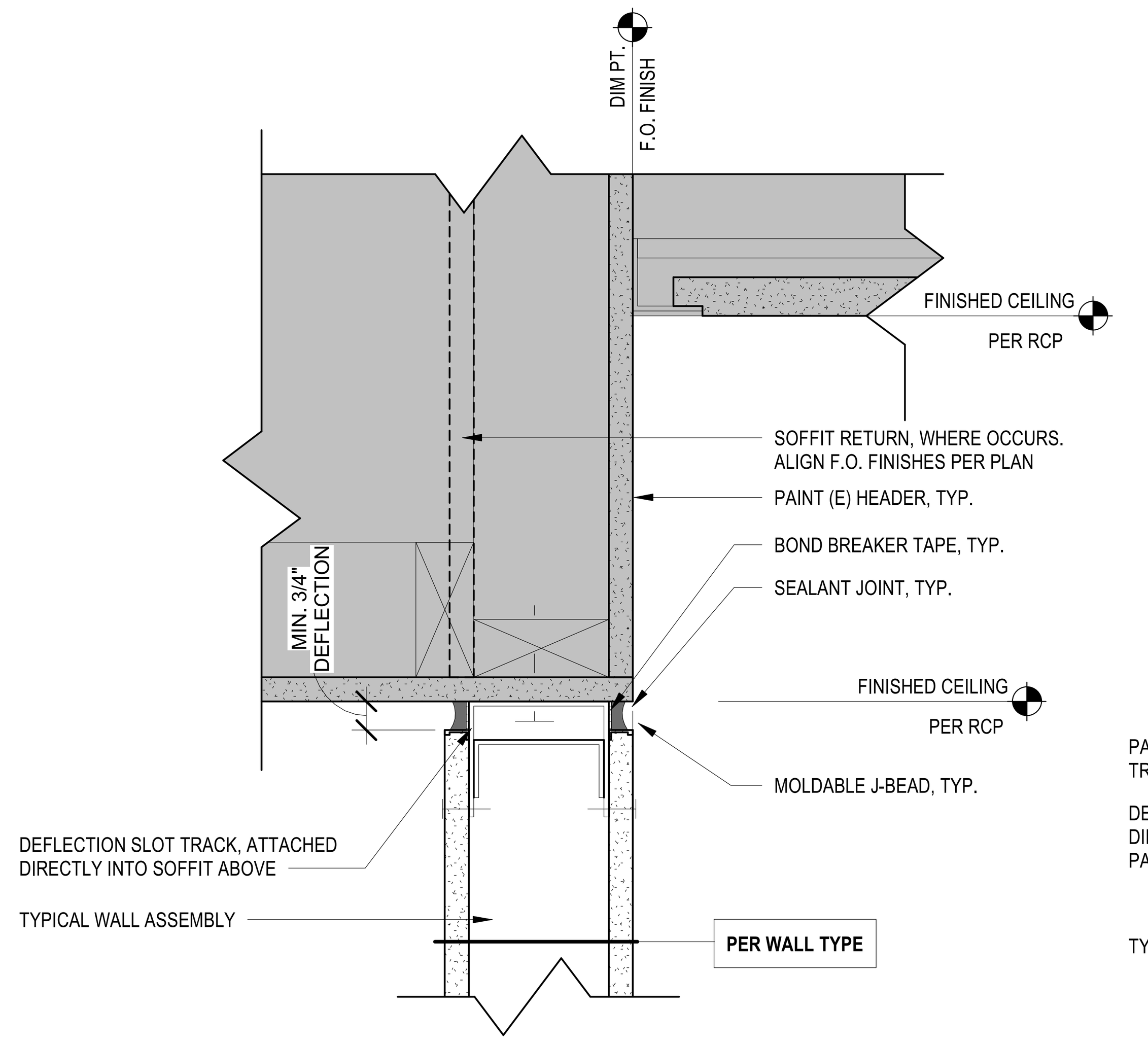
BLOCKING NOTES:

1. CONTRACTOR TO COORDINATE WOOD BLOCKING WITH LOCATIONS OF ALL EQUIPMENT OR DEVICES
2. EXTEND WOOD BLOCKING ACROSS A MINIMUM OF (3) STUDS, EXTEND FOR FULL LENGTH OF INFILL WALLS U.N.O.
3. EXTEND WOOD BLOCKING TO MINIMUM ONE STUD BEYOND EXTENT OF CABINETRY OR WALL-HUNG EQUIPMENT
4. KERF WOOD BLOCKING AT STUD FLANGE TO ALIGN F.O. BLOCKING WITH F.O. METAL STUD

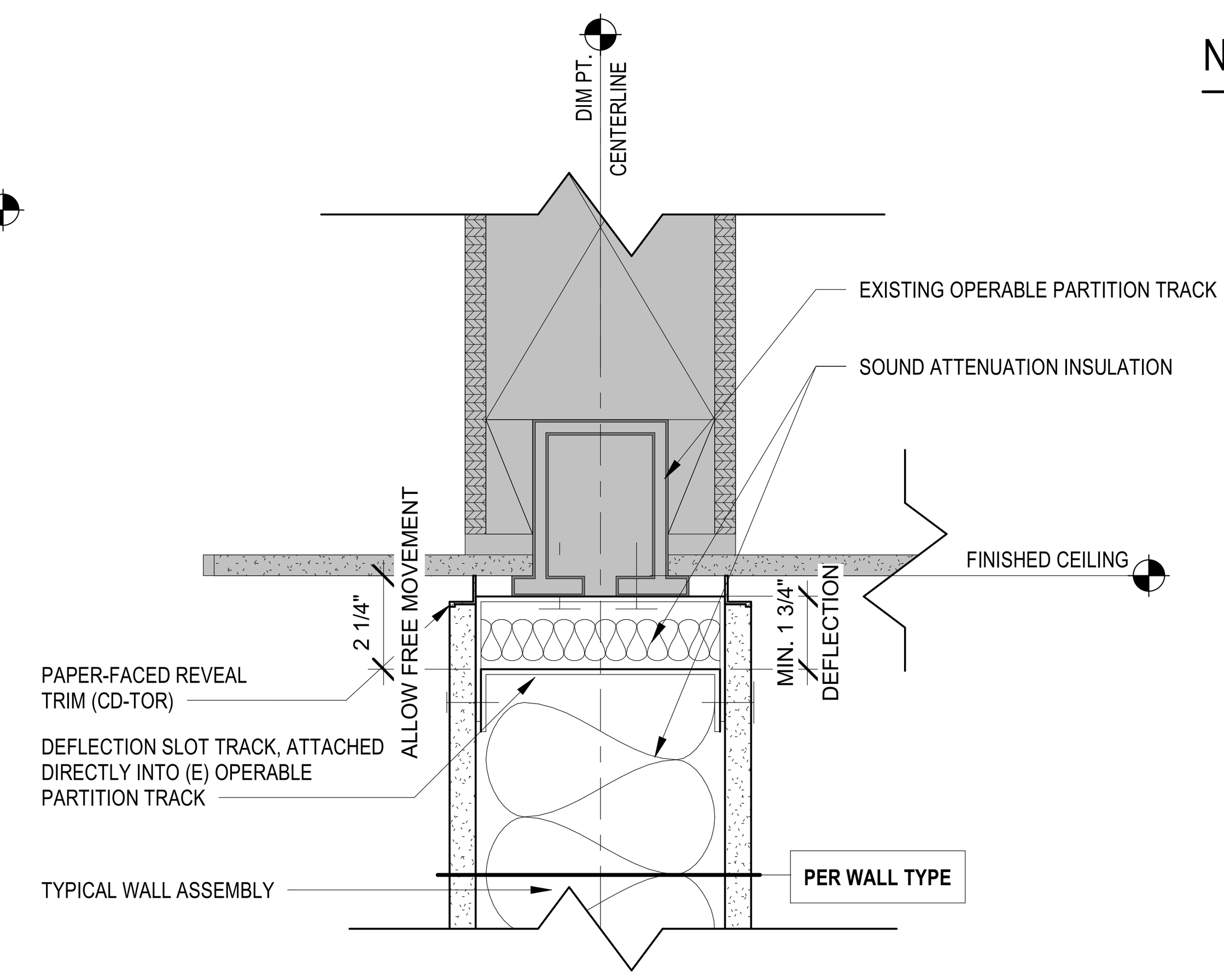
NOTE: CONTRACTOR OPTION TO USE SCAFCO KB- WALL SUPPORT BACKING (KWIK-BACK) BRACKET OR APPROVED EQUAL PER MANUFACTURER INSTRUCTIONS IN LIEU OF DETAIL BELOW.



PARTITION - BLOCKING (1)
1" = 1'-0"



WALL HEADER AT (E) SOFFIT (3)
3" = 1'-0"



WALL HEADER AT PARTITION TRACK (2)
3" = 1'-0"

NON-LOADBEARING WALL FRAMING SCHEDULE[3]:

MAXIMUM HEIGHT - L/240 @ 10 PSF

STUD SIZE	SECTION	SPACING (O.C)	COMPOSITE [1]	NON-COMPOSITE [2]
2 1/2"	250S125-18	16" O.C.	10' - 0"	N/A
	250S125-18	24" O.C.	8' - 2"	N/A
	250S125-33	16" O.C.	13' - 3"	9' - 6"
	250S125-33	24" O.C.	9' - 10"	8' - 4"
3 5/8"	362S125-18	16" O.C.	11' - 5"	8' - 0"
	362S125-18	24" O.C.	9' - 4"	N/A
	362S125-33	16" O.C.	13' - 10"	12' - 6"
	362S125-33	24" O.C.	11' - 11"	10' - 2"
6"	600S125-18	16" O.C.	14' - 2"	8' - 7"
	600S125-18	24" O.C.	N/A	N/A
	600S125-33	16" O.C.	22' - 3"	13' - 10"
	600S125-33	24" O.C.	17' - 8"	12' - 1"

[1] COMPOSITE WALL CONSRUCTION REQUIRES A SINGLE LAYER OF 5/8" TYPE X GWB INSTALLED IN VERTICAL ORIENTATION TO BOTH SIDES OF THE WALL.

[2] NON-COMPOSITE WALL CONSRUCTION REQUIRES FULL BRACING EVERY 48" O.C. AT OR BELOW MAXIMUM HEIGHT.

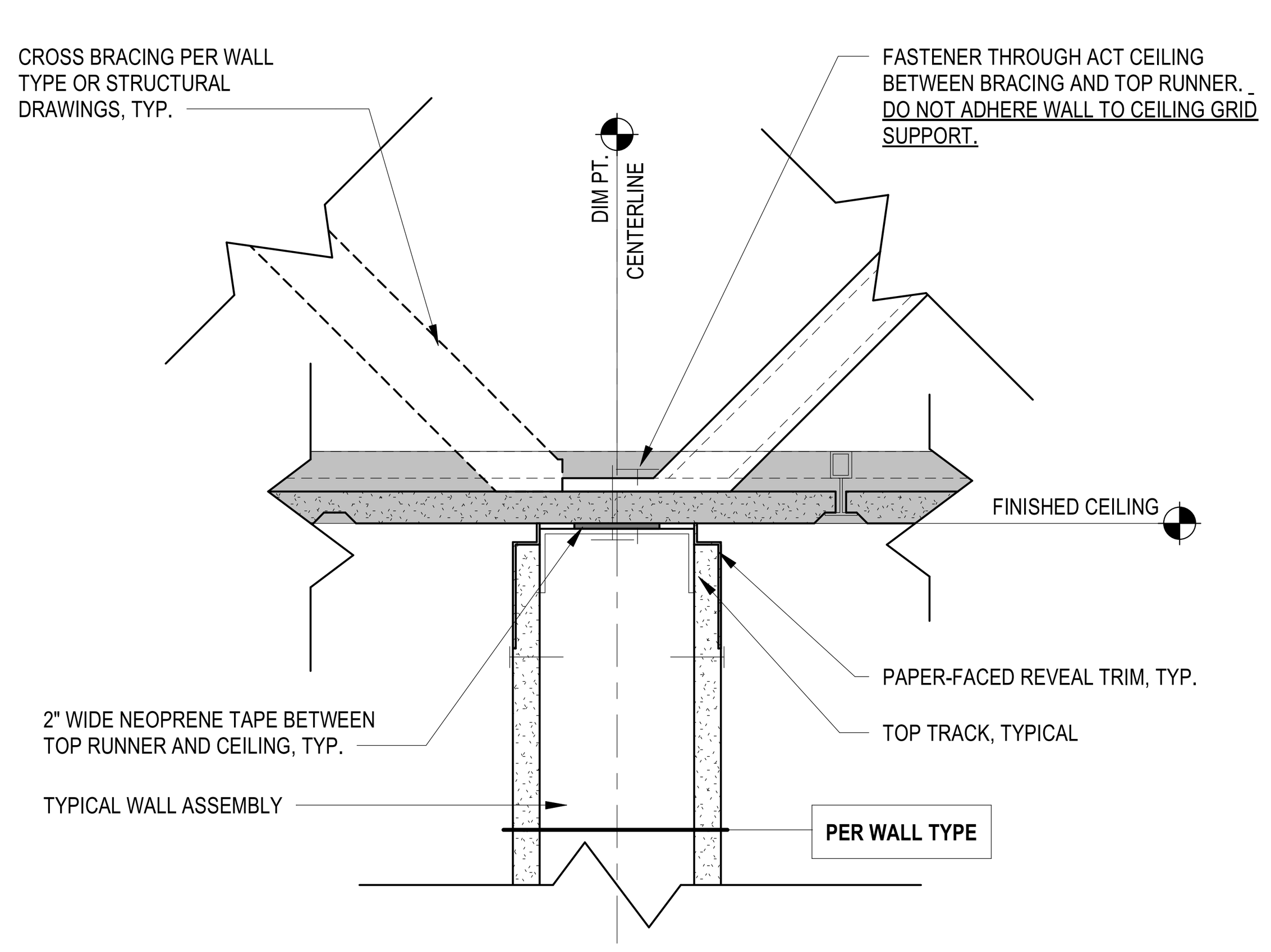
[3] PER SSMA TABLES PUBLISHED BY SCAFCO. CONSULT TABLE FOR MAXIMUM HEIGHT SPANS FOR CONDITIONS NOT LISTED IN TABLE ABOVE.

NOTE: EQ STUDS ARE NOT ACCEPTABLE PER DISTRICT STANDARD

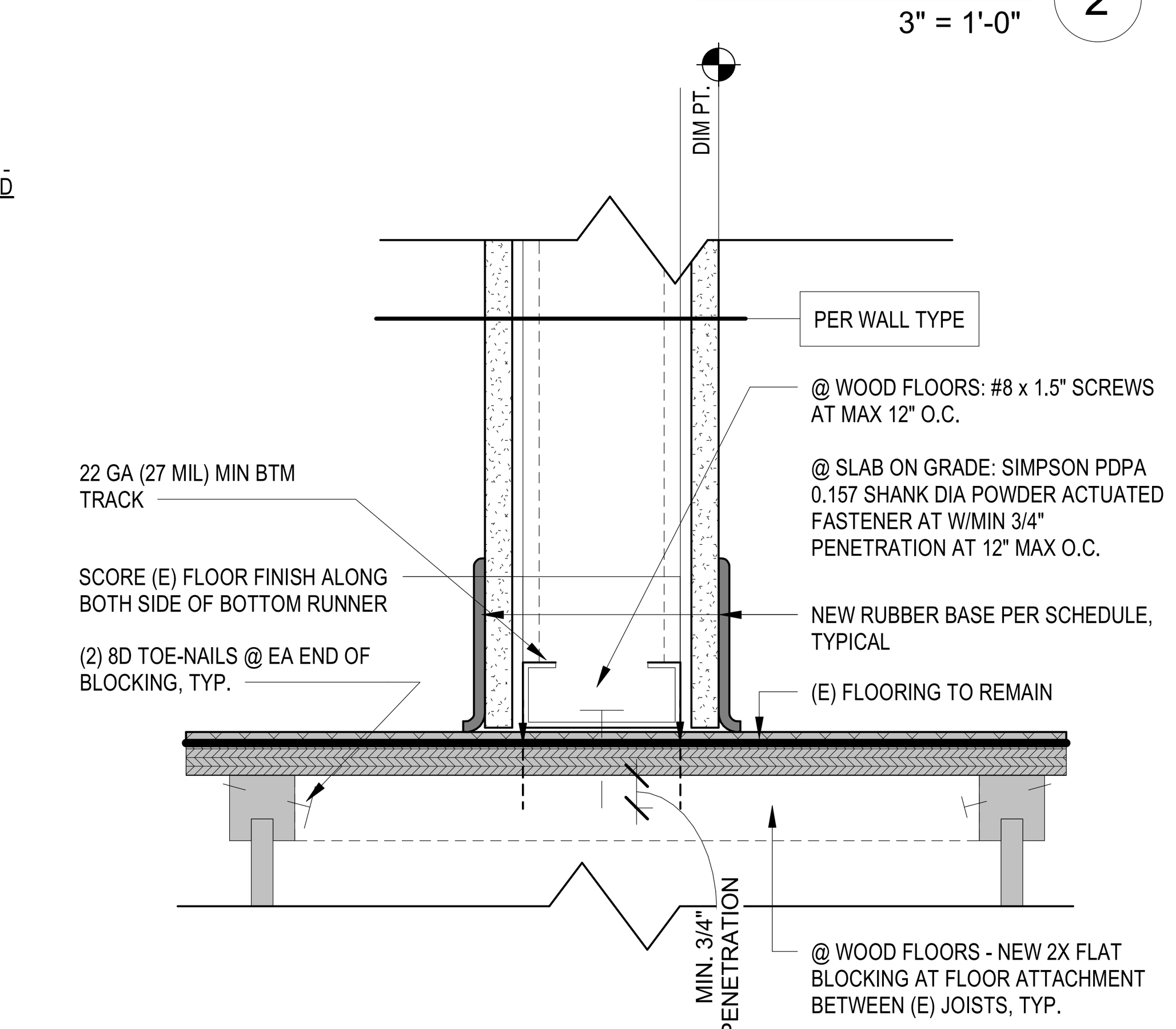
STEEL STUD NON-BRC WALL HEADER SCHEDULE

WALL HEIGHT	STUD WIDTH	OPENING WIDTH (TOP & BOTTOM TRACKS)				
		<=6'-0"	<=8'-0"	<=10'-0"	<=12'-0"	<=14'-0"
<=8'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-43 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=10'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-54 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=12'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B*
<=14'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B*	350T125-33 TOP 350T125-43 BOT*	350T125-33 TOP 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B*	550T125-33 T&B*	550T125-43 T&B**

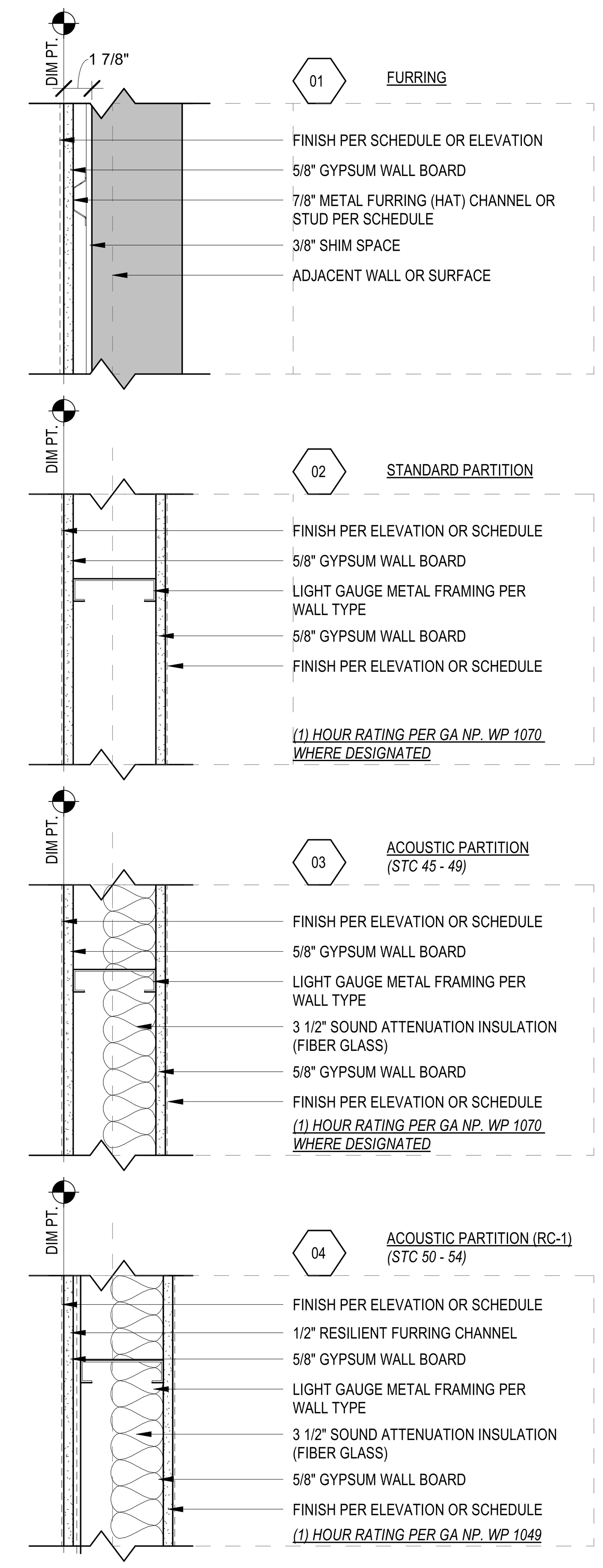
NOTES:
[1] HEADER HEIGHT ASSUMED >= 6'-0" AND <= 10'-0"
[2] OPENINGS ASSUMED WITH 4-WAY PRESSURE DISTRIBUTION
[3] PROVIDE #8 SMS AT 12" OC FROM TRACKS TO S-SECTIONS AS SHOWN
[4] VERTICAL S-SECTIONS TO BE DBL 400S125-33 MIN EXCEPT WHERE DENOTED (*) USE DBL 400S162-43 MIN AND (**) USE DBL 400S162-54 MIN



WALL HEADER AT (E) ACT (5)
3" = 1'-0"



(N) PARTITION BASE (4)
3" = 1'-0"



PARTITION TYPES
1 1/2" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - PARTITIONS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. PLAN DIMENSION ARE TO THE FINISHED FACE OF PARTITION ASSEMBLY, CENTERLINE OF STRUCTURAL COLUMN, OR TO FACE OF CONCRETE OR CONCRETE MASONRY UNLESS NOTED OTHERWISE.

C. PROVIDE 5/8" GYPSUM WALL BOARD (GWB), EACH SIDE, ON LIGHT GAUAGE METAL FRAMING AT 16" O.C. AS TYPICAL PARTITION UNLESS NOTED OTHERWISE.

D. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL DESIGNATED WET AREAS DEFINED AS 2'-0" BEYOND THE EXTENTS OF THE EDGE ALL PLUMBING FIXTURES, THE BOTTOM 2'-0" ABOVE SLAB IN RESTROOMS AND JANITORS CLOSETS AND OTHER OR AREAS PRONE TO EXPOSED WATER.

E. PROVIDE 5/8" DENSHEILD - TYPE X OR APPROVED EQUIPMENT BEHIND ALL CERAMIC TILE INSTALLATIONS.

F. SOUND ATTENUATION BLANKET TO BE 3 1/2" IN THICKNESS UNLESS OTHERWISE NOTED OR AS PRESCRIBED IN A UL RATED ASSEMBLY.

G. PROVIDE ACOUSTICAL SEALANT AT JOINTS AND PERIMETER OF ALL TYPICAL WALLS, PROVIDE FIRE RATED SEALANT AT ALL FIRE RATED WALLS.

H. MAINTAIN THE LISTED STC RATING AND ACOUSTICAL PERFORMANCE OF ALL PARTITIONS. CAULK ALL PENETRATIONS AND WHEN RETURN AIR PLENUMS ARE PROPOSED, PROVIDE AND INSTALL A STAGGERED AND LINED DUCT ELBOW.

I. SEE FIRE LIFE SAFETY (FLS) PLAN FOR LOCATIONS OF RATED ASSEMBLIES.

J. NOTIFY THE ARCHITECT IN WRITING BETWEEN DISCREPENCIES BETWEEN LISTED UL OR GA RATED ASSEMBLIES, COMPONANTS DEPICTED WITHIN THIS DRAWING SET AND ASSOCAITED STC TESTS.

K. PROVIDE LABELED GYPSUM WALL BOARD AT FIRE RATED PARTITIONS.

L. PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

M. FIRE RATED AND SMOKE ASSEMBLY PARTITIONS AND BARRIERS TO EXTENT TO THE UNDERSIDE OF STRUCTURE UNLESS NOTED OTHERWISE.

N. FRAME AROUND BEAMS AND OTHER STRUCTURAL ELEMENTS WHEN THEY OCCURE WITHIN THE SPACE OF A FIRE RATED OR ACOUSTICAL PARTITION.

O. ALL PARTITIONS ARE NON-LOAD BEARING UNLESS OTHERWISE NOTED. REFERENCE STRUCTURAL DRAWINGS FOR LOAD BEARING PARTITION ASSEMBLIES.

P. PROVIDE CONNECTIONS TO EXISTING STRUCTURE THAT ISOLATE NON-LOAD BEARING WALLS FROM STRUCTURAL MOVEMENT. PROVIDE DEFLECTION TRACKS AT THE TOPS OF ALL PARTITIONS AND SLOTTED CONNECTIONS AT INTERMEDIATE STRUCTURES.

LEGEND - FLOOR PLANS

WALL TAG — 01 / E | A: WALL TYPE PER ASSEMBLY; BRACING CONDTION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE — 102: DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE — 34 | A: DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG — A: WINDOW TYPE - SEE SCHEDULE

KEY NOTE — 1: KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

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REGISTERED ARCHITECT
MICHAEL BARRETT
OR
No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL
5477 NW SKYCREST PKWY
PORTLAND, OR 97229

PERMIT

PROJECT: 21005.01
DATE: 11/10/2022

TYPICAL PARTITION DETAILS

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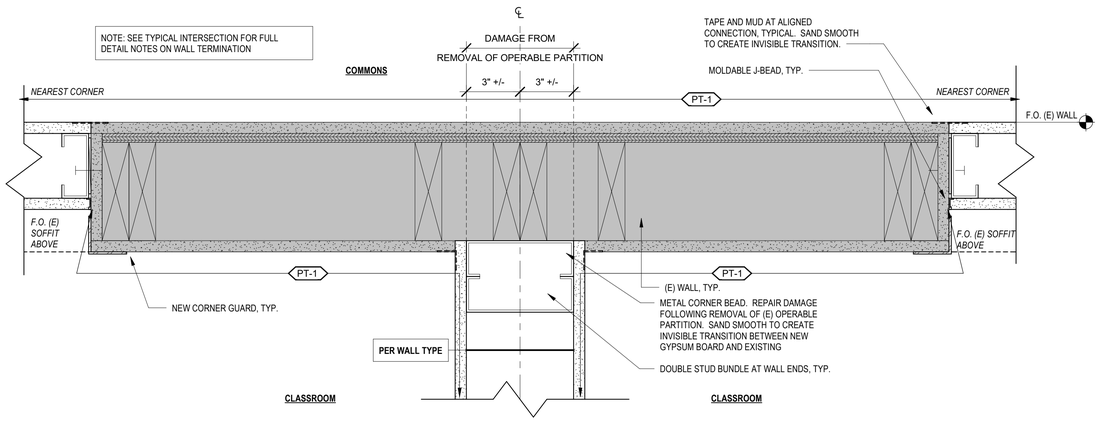
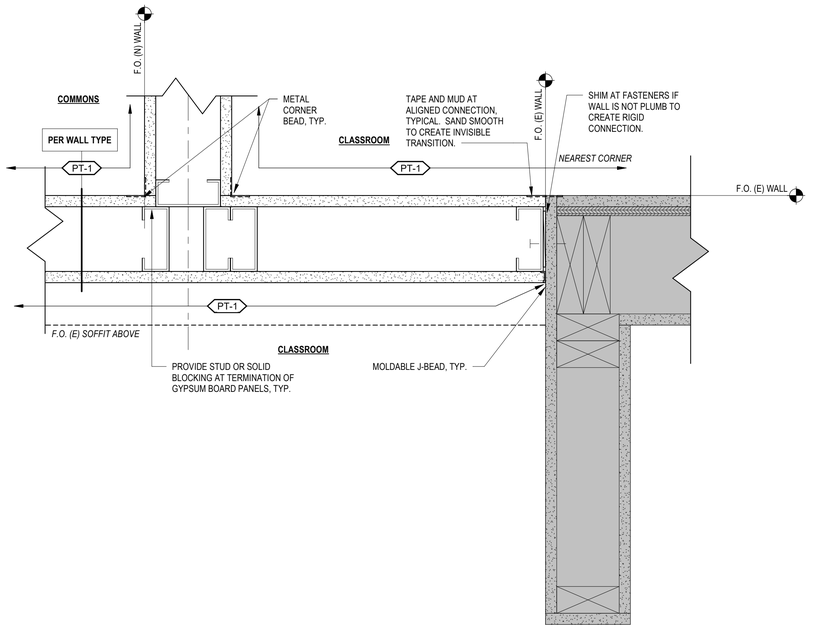


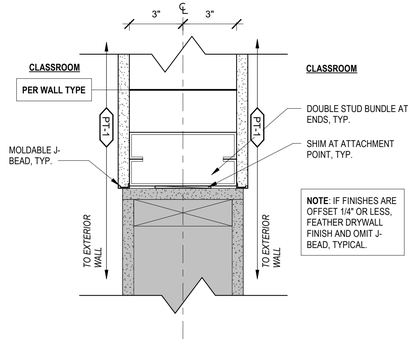
TYPICAL WALL - OPERABLE PARTITION REPAIR 2

3" = 1'-0"



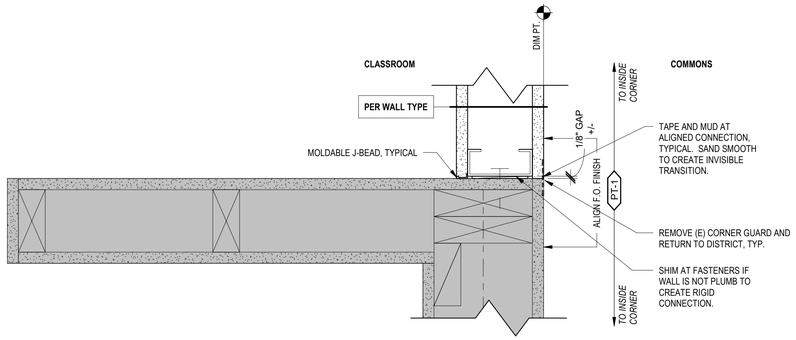
TYPICAL WALL - PERPENDICULAR INTERSECTION 1

3" = 1'-0"



TYPICAL WALL - OPERABLE PARTITION REPAIR @ EXTERIOR 4

3" = 1'-0"



TYPICAL WALL - NEW WALL @ (E) WING WALL1 3

3" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

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TYPICAL PARTITION DETAILS

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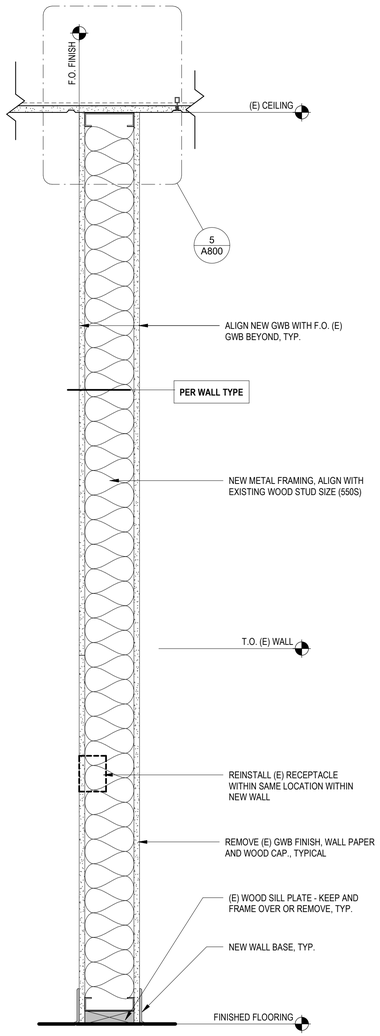
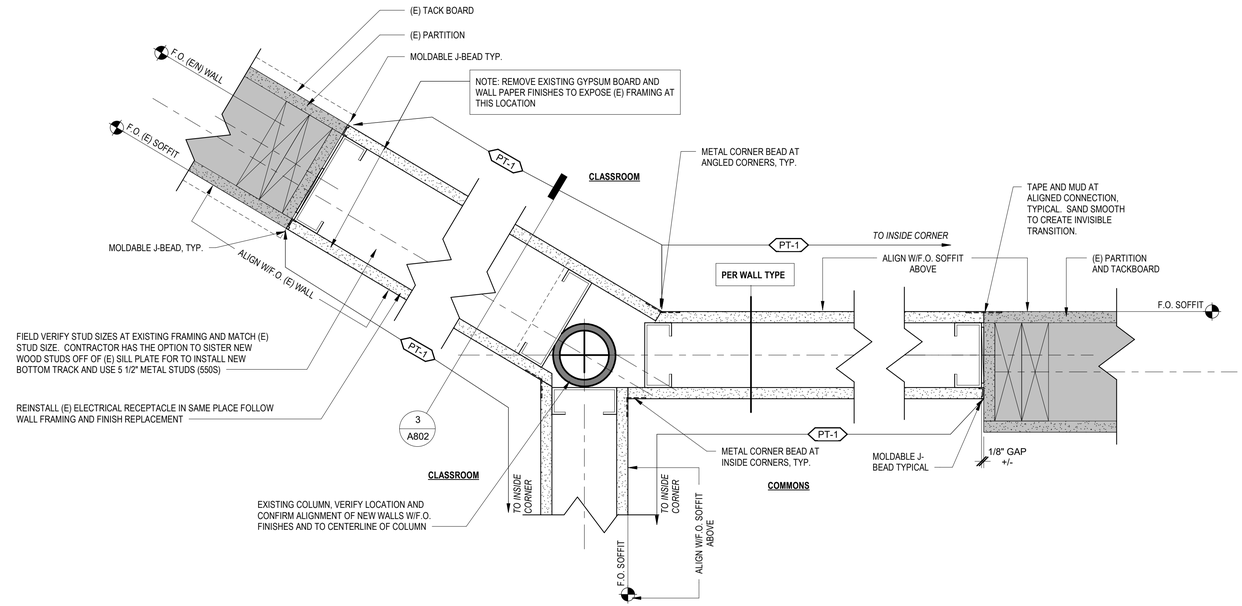


TYPICAL WALL - SECTION AT PARTIAL HEIGHT WALL
1 1/2" = 1'-0"
3



TYPICAL WALL - INTERSECTION AT (E) COLUMN
3" = 1'-0"
1

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PROJECT: 21005.01
DATE: 11/10/2022

TYPICAL PARTITION DETAILS

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GENERAL NOTES - PROJECT SIGANGE

A. COORDINATE ALL SIGNAGE WITHIN THE PROJECT, INCLUDING CODE REQUIRED SIGNAGE, WITH EXISTING BUILDING SIGNAGE OR WITH CURRENT DISTRICT STANDARDS.

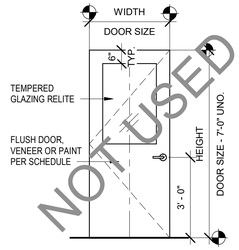
B. CODE REQUIRED SIGNAGE, SUCH AS STAIRWAY SIGNAGE AND ACCESSIBLE PARKING SIGNAGE, TO BE PROCURED AND INSTALLED BY THE GENERAL CONTRACTOR. PROVIDE DETAILED INFORMATION ON SIZE, FONT AND COLOR WITHIN A SUBMITTAL FOR ARCHITECT AND OWNER REVIEW.

C. ROOM SIGNAGE IS CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED. COORDINATE EXTENTS AND LOCATION WITH OTHER WALL MOUNTED ITEMS. PROVIDE AN ALLOWANCE FOR THE PATCH AND REPAIR OF EXISTING WALLS WHERE EXISTING SIGANGE IS RELOCATED OR REPLACED.

(E) SIGNAGE - JACOB WISMER ELEMENTARY - FOR REFERENCE ONLY

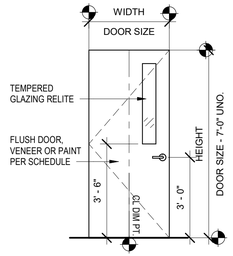
EXISTING DOOR AT COMMONS, GENERAL CONTRACTOR TO MATCH RELITE AND WOOD GRAINING.

NOTE: MATCH EXISTING DOOR RELITE SIZES, WOOD GRAIN, STAIN AND GENERAL LOOK OF DOORS WITHIN EXISTING LOCATIONS. PROVIDE PHOTOGRAPH OF EXISTING DOOR WITHIN DOOR SUBMITTAL.



HL - HALF LITE

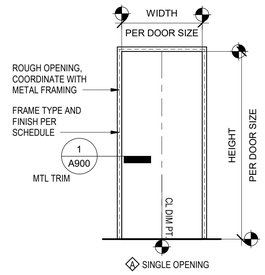
NANCY RYLES
FINDLEY
SCHOLLS HEIGHTS



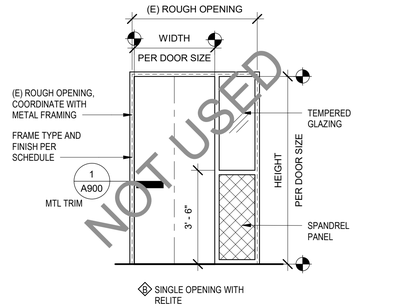
NL - NARROW LITE

JACOB WISMER

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



A SINGLE OPENING

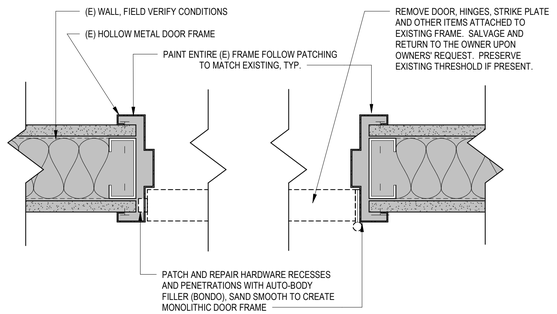


B SINGLE OPENING WITH RELITE

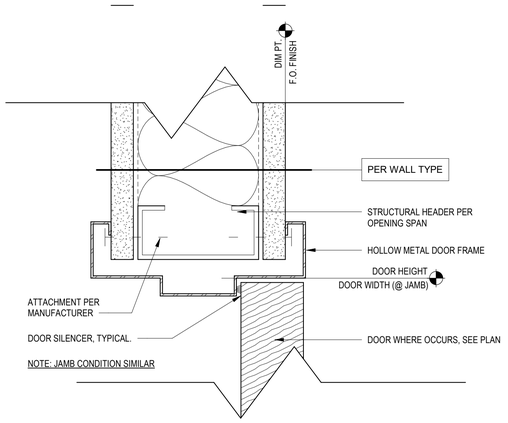
DOOR FRAME TYPES
3/8" = 1'-0"

DOOR SCHEDULE

DOOR TYPE	Count	FINISHED SIZE		FRAME						DOOR				HARDWARE GROUP	NOTES
		WIDTH	HEIGHT	TYPE	FIRE RATING	MATERIAL	FINISH	TRIM MATERIAL	TRIM FINISH	TYPE	THICKNESS	MATERIAL	FINISH		
NL/A	23	3' - 0"	7' - 0"	A	N/A	HM	PT	STL	PT	NL	1 3/4"	WD	TS	2	MATCH EXISTING CLASSROOM DOOR RELITE, GRAINING AND FINISH. PROVIDE NEW BLIND AT RELITE TO MATCH (E) BUILDING STANDRD CONTRACTOR TO VERIFY THE FINAL DOOR COUNT.



OPENING - (E) FRAME REPAIR
3" = 1'-0" — 2



OPENING - HEAD/JAMB - HOLLOW METAL
6" = 1'-0" — 1

GENERAL NOTES - DOORS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. DIMENSIONS SHOWN FOR DOORS AND WINDOWS ARE TYPICALLY FINISHED OPENING DIMENSIONS. COORDINATE ROUGH OPENING DIMENSIONS PER MANUFACTURER RECOMMENDATIONS WITH SELECTED OPENING.

C. EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR FORCE.

D. THE MAIN EXIT TO DOOR TO HAVE SIGNAGE ABOVE THE DOOR READING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

E. ALL NEW DOORS TO BE SOLID WOOD, PAINT GRADE UNLESS NOTED OTHERWISE.

F. PROVIDE NEW ADA LEVER STYLE DOOR HARDWARE TO MATCH BUILDING STANDARD. *(SCHLAGE 'ND', SERIES, RHODES STYLE)*

G. ALL NEW FRAMES TO BE FULLY WELDED UNLESS NOTED OTHERWISE. *(CURRIES 16 GA.)*

H. PROVIDE TEMPERED GLAZING IN ALL DOORS AND RELITES UNLESS NOTED OTHERWISE.

I. REFER TO ELEVATIONS FOR DOOR AND FRAME PAINT FINISH WHERE PAINT IS USED.

MATERIAL LEGEND

(E)	EXISTING	**WD**	WOOD - SOLID CORE
GL	GLASS - TEMPERED	**HC**	WOOD - HOLLOW CORE
MDF	MDF - TRIM	**MTL**	METAL - SOLID CORE
MFR	MANUFACTURER'S FINISH	**STL - KD**	STEEL FRAME - KNOCKDOWN
PT	PAINT	**HM**	HOLLOW METAL FRAME
TS	TRANSPARENT STAIN	**ALUM**	ALUMINUM STOREFONT

HARDWARE GROUPS

BASIS OF DESIGN PRODUCTS: *CONTRACTOR TO SUBMIT COMPLETE HARDWARE GROUPS BASED ON BASIS OF DESIGN PRODUCTS AND HARDWARE DESIGN DIRECTION BELOW.*

ALL NEW HARDWARE TO BE SATIN CHROME (US26D), UNO.

DOOR FRAMES:	*CURRIES 16 GA FULLY WELDED - EQUAL RABBIT*
LEVER HARDWARE SETS:	*SCHLAGE ND SERIES VANDLGARD, "RHODES"*
CORES:	*SCHLAGE FULL SIZE INTERCHANGEABLE (FSIC) CYLINDERS*
HINGES:	*IES HW 4.5" X 4.5" NRP*
PANIC BARS:	*VON DUPRIN EL 99 OR XP99*
CLOSERS:	*LCN 4010 (INWARD SWING), LCN 4111 (OUTWARD SWING)*
STOPS:	*BHMA 626, IVES OR EQUAL*
KICK PLATE:	*STAINLESS STEEL, FULL WIDTH*

GROUP 1: **COMMONS (PANIC HARDWARE)**
(3) PAIR BUTTS - 4 1/2"
PANIC HARDWARE
CLOSER
WALL STOP TYPICAL UNO.
SILENCER
KICK PLATE

GROUP 2: **CLASSROOM**
(3) PAIR BUTTS - 4 1/2"
LEVER SET - "CLASSROOM" TYPE
WALL STOP TYPICAL UNO.
SILENCER
KICK PLATE

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REGISTERED ARCHITECT
MICHAEL BARRETT
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REVISIONS:

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5477 NW SKYCREST PKWY
PORTLAND, OR 97229

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PROJECT: 21005.01
DATE: 11/10/2022

DOORS, FRAMES, HARDWARE SCHEDULE & TYPICAL OPENING DETAILS

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ABBREVIATIONS

AC	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AH	AIR HANDLER (SPLIT REFRIG)
AHU	AIR HANDLING UNIT
AL	ACOUSTICAL LINING
AP	ACCESS PANEL
BB	ELECTRIC BASEBOARD RADIATION
B	BOILER
BDD	BACK DRAFT DAMPER
BFC	BELOW FINISHED CEILING
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
C	CHILLER
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CHWP	CHILLED WATER PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CO	CLEAN OUT
CP	CONDENSATE PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CVB	CONSTANT VOLUME BOX
CWP	CONDENSER WATER PUMP
DB	DRY BULB
DS	DUCT SILENCER
DWP	DOMESTIC WATER PUMP
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EJ	EXPANSION JOINT
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EWC	ELECTRIC WATER COOLER
FA	FREE AREA
FX	FLEXIBLE CONNECTION
FC	FAN COIL UNIT
FD	FIRE DAMPER
FLR	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FOP	FUEL OIL PUMP
FP	FIRE PUMP
FPM	FEET PER MINUTE
FTR	FINNED TUBE RADIATION
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HAND DAMPER
HP	HEAT PUMP
HV	HEATING AND VENTILATING UNIT
HWC	HOT WATER CONVERTER
HWP	HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
ID	INSIDE DIAMETER
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
LD	LINEAR DIFFUSER
LF	LINEAR FEET
MC	MECHANICAL CONTRACTOR
MTD	MOUNTED
MOD	MOTOR OPERATED DAMPER
MUA	MAKE-UP AIR UNIT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NIC	NOT IN CONTRACT
NK	NECK
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OAT	OUTSIDE AIR TEMPERATURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OBD	OPPOSED BLADE DAMPER
PBD	PARALLEL BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RCP	REFLECTED CEILING PLAN
RHC	REHEAT COIL
RF	RETURN FAN
SA	SUPPLY AIR
SAR	SUPPLY AIR REGISTER
SCG	SMOKE CONTROL GRILLE
SD	SMOKE DAMPER
SEF	SMOKE EXHAUST FAN
SF	SUPPLY FAN
SP	STATIC PRESSURE
TG	TRANSFER GRILLE
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
VAV	VARIABLE AIR VOLUME UNIT
VD	VOLUME DAMPER
VTR	VENT THRU ROOF
WB	WET BULB
WMS	WIRE MESH SCREEN

HVAC CONTROL SYMBOLS

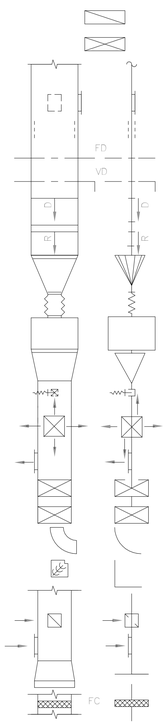
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GATE VALVE	T	ROOM OR ZONE THERMOSTAT
	GLOBE VALVE	T	DUCT THERMOSTAT
	GAS COCK		THERMOMETER
	SOLENOID VALVE		EXPANSION VALVE
	CONTROL VALVE , 2-WAY	DM	DAMPER MOTOR
PRV	PRESSURE REDUCING VALVE		DAMPER
	CHECK VALVE	M	MOTOR
	CENTRIFUGAL FAN		PLUG VALVE
F	FLOW SWITCH		PRESSURE GAGE
FS	FIRE SAFETY SWITCH	P	PRESSURE SWITCH
H	HUMIDISTAT, ROOM		PUMP
H	HUMIDISTAT, DUCT	R	RELAY
	BALL VALVE		PRESS./TEMP. RELIEF VALVE
	CONTROL VALVE , 3-WAY	SD	SMOKE DETECTOR
F	FLOW SWITCH		CONTROL WIRING
	STEAM TRAP		STATIC PRESSURE CONTROLLER

PIPING SYSTEM SYMBOLS

RL — REFRIGERANT LIQUID

RS — REFRIGERANT SUCTION

DUCTWORK SYMBOLS



SECTION THROUGH RETURN OR EXHAUST AIR

SECTION THROUGH SUPPLY OR OUTSIDE AIR DUCT

SUPPLY OR OUTSIDE AIR DUCT

ACCESS DOOR (BOTTOM OR SIDE)

ACOUSTICALLY LINED DUCT

DAMPER, FIRE

DAMPER, MANUAL VOLUME

INCLINED DROP IN DIRECTION OF ARROW

INCLINED RISE IN DIRECTION OF ARROW

TRANSITION, RECTANGULAR TO ROUND

FLEXIBLE DUCT

IN-LINE FAN

TRANSITION, RECTANGULAR

SPIN-IN COLLAR INTO ADAPTER ON TOP OF DUCT

CEILING SUPPLY AIR DIFFUSER (CD)

SIDEWALL SUPPLY GRILLE (SG)

ELBOW TURNED DOWN

ELBOW TURNED UP

ELBOW, RADIUS TYPE

ELBOW, SQUARE OR RECTANGULAR TYPE WITH AIRFOIL TURNING VANES

RETURN OR EXHAUST AIR DUCT

CEILING RETURN AIR GRILLE (CRG)

SIDEWALL RETURN AIR GRILLE (RG)

OPEN END DUCT

FLEXIBLE CONNECTION

DIFFUSER, REGISTER AND GRILLE SCHEDULE

SYMBOL	TYPE	FACE	FRAME	DAMPER	FINISH	BASIS OF DESIGN	NOTES
CRG-1	CEILING TRANSFER GRILLE	PERFORATED	LAY-IN	NONE	WHITE	TITUS PAR	-

NOTES:

GENERAL MECHANICAL NOTES:

A. INSTALL EQUIPMENT TO PROVIDE SERVICE CLEARANCE AS RECOMMENDED BY THE MANUFACTURER, AND AS REQUIRED BY CODE AND LOCAL INSPECTOR. PROVIDE CLEAR LABELING OF FILTER PANELS TO VERIFY ADEQUATE ACCESS FOR MAINTENANCE.

B. TEST HVAC CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS TO ENSURE THEY ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF THE TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER PRIOR TO OCCUPANCY.

C. PROVIDE RECORD DRAWINGS OF ACTUAL INSTALLATION WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE TO BUILDING OWNER. PROVIDE OPERATING AND MAINTENANCE MANUAL CONTAINING SUBMITTAL DATA AND OTHER INFORMATION REQUIRED BY SPECIFICATIONS AND ENERGY CODE.

D. COORDINATE FINAL LOCATION OF EQUIPMENT, DUCTS, DIFFUSERS, AND GRILLES WITH STRUCTURE, REFLECTED CEILING PLANS, AND THE LIGHTING LAYOUT PRIOR TO ROUGH-IN.

E. PROVIDE ROOF CURBS FOR EQUIPMENT REQUIRING A ROOF PENETRATION, AND PROVIDE EQUIPMENT SUPPORTS FOR ROOF MOUNTED EQUIPMENT NOT REQUIRING A PENETRATION. COORDINATE ROOF CURBS AND SUPPORTS WITH ROOFING SYSTEM, AND SEISMICALLY ATTACH EQUIPMENT TO CURB AND STRUCTURE.

F. PROVIDE VOLUME DAMPERS IN BRANCH DUCTS TO SUPPLY, EXHAUST, AND RETURN GRILLES, AND LOCATE DAMPERS AS CLOSE TO BRANCH CONNECTION AS POSSIBLE. PROVIDE CONCEALED DAMPER OPERATOR IN LOCATIONS WHERE DAMPER IS INACCESSIBLE.

G. ALL DUCTWORK TO BE MINIMUM 24 GAUGE SHEET METAL WHEN TRAVELLING BETWEEN RATED OCCUPANCY SEPARATIONS, AREA SEPARATIONS, OR OVER RATED EXIT CORRIDORS AND PASSAGEWAYS.

H. MOUNT ALL SENSORS, SWITCHES, AND THERMOSTATS PER ARCHITECTURAL DETAILS.

I. TRANSITION FROM DUCT SIZES SHOWN TO DIFFUSER NECK SIZES SHOWN A MINIMUM OF 2 FEET BEFORE OUTLET, OR INSTALL A DUCT THE SAME SIZE AS THE GRILLE NECK, AT CONTRACTORS OPTION.

J. ANCHOR ALL MECHANICAL UNITS IN EXCESS OF 400 LBS. TO STRUCTURE, AND PROVIDE THE DESIGN OF THIS ANCHORAGE AS A DEFERRED SUBMITTAL IN ACCORDANCE WITH THE DIVISION 23 SPECIFICATIONS. PROVIDE A SEISMIC BRACING DESIGN FOR ANY SUSPENDED APPLIANCE OR PIECE OF EQUIPMENT WEIGHING 20 LBS. OR MORE AS WELL. ALL DRAWINGS AND CALCULATIONS SUBMITTED FOR THIS WORK SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OREGON.

K. CONSTRUCT AND SEAL ALL DUCTWORK PER IMC REQUIREMENTS. ALL DUCTWORK ON THIS PROJECT FALLS UNDER THE LOW PRESSURE CLASSIFICATION.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

MECHANICAL SHEET LIST

HBX STUDIO
HBX-STUDIO.COM
833 SE SALMON ST, SUITE 960, PORTLAND, OREGON 97214

REGISTERED PROFESSIONAL ENGINEER
78068PE
OREGON
JANUARY 3, 2017
ANDREW CHARLES CRAIG

EXPIRES: 12-31-23

REVISIONS:

ARRIS CONSULTING
2622 SE 25th Ave Ste #A
Portland, OR 97202

Andrew Craig, P.E.
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CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL
5477 NW SKYCREST PKWY
PORTLAND, OR 97229

PERMIT SET

PROJECT: 2021-033
DATE: 11/10/22

GENERAL NOTES AND ABBREVIATIONS

M001

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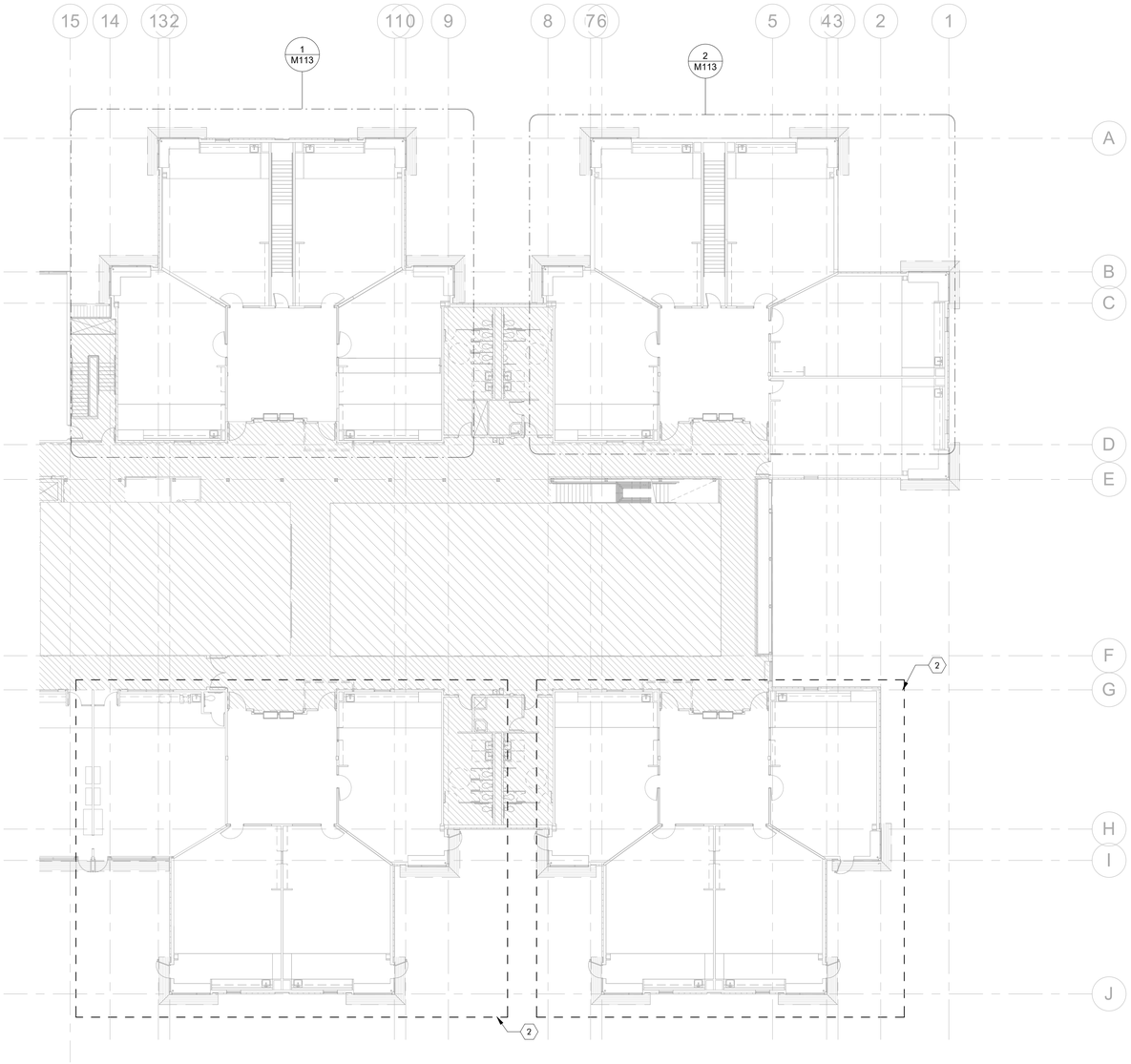
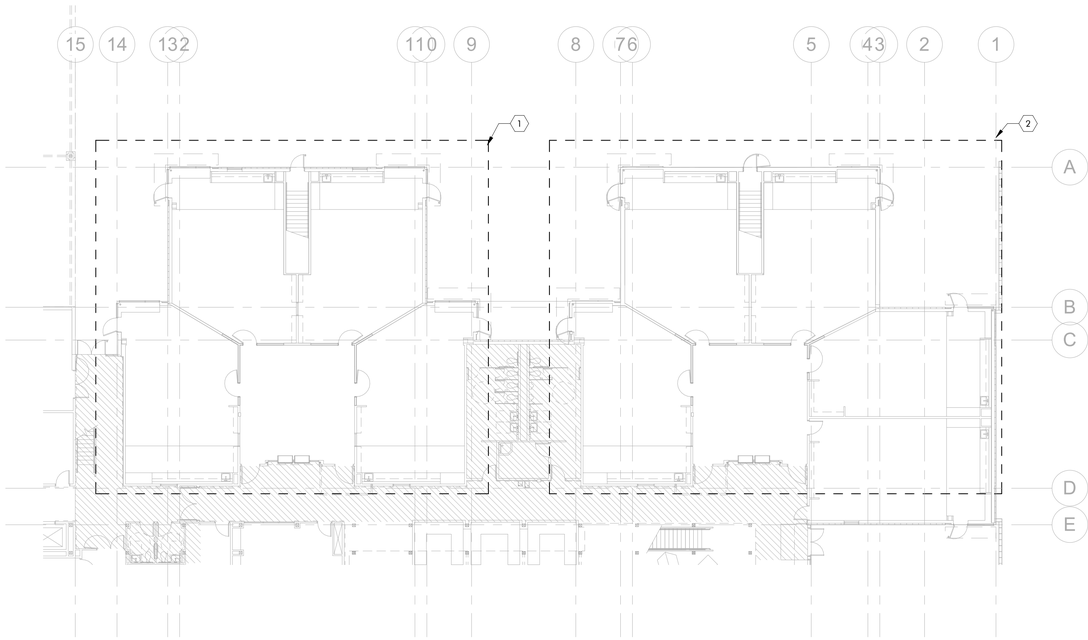


1 UPPER LEVEL - HVAC
1/16" = 1'-0"

SHEET KEYNOTES

1 SEE ENLARGED PLAN #1 ON SHEET M113 FOR TYPICAL WORK IN THIS CLASSROOM BLOCK. RETURN DUCT TO BE EXTENDED INTO EACH CENTRAL CLASSROOM AND CEILING RETURN GRILLES ADDED.

2 SEE ENLARGED PLAN #2 ON SHEET M113 FOR TYPICAL WORK IN THIS CLASSROOM BLOCK. RETURN DUCT TO BE EXTENDED INTO EACH OF THE FOUR CLASSROOMS SHOWN AND CEILING RETURN GRILLES ADDED.



2 LOWER LEVEL - HVAC
1/16" = 1'-0"

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78068PE
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CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL
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PROJECT: 2021-033
DATE: 11/10/22

OVERALL FLOOR PLANS - HVAC

M011

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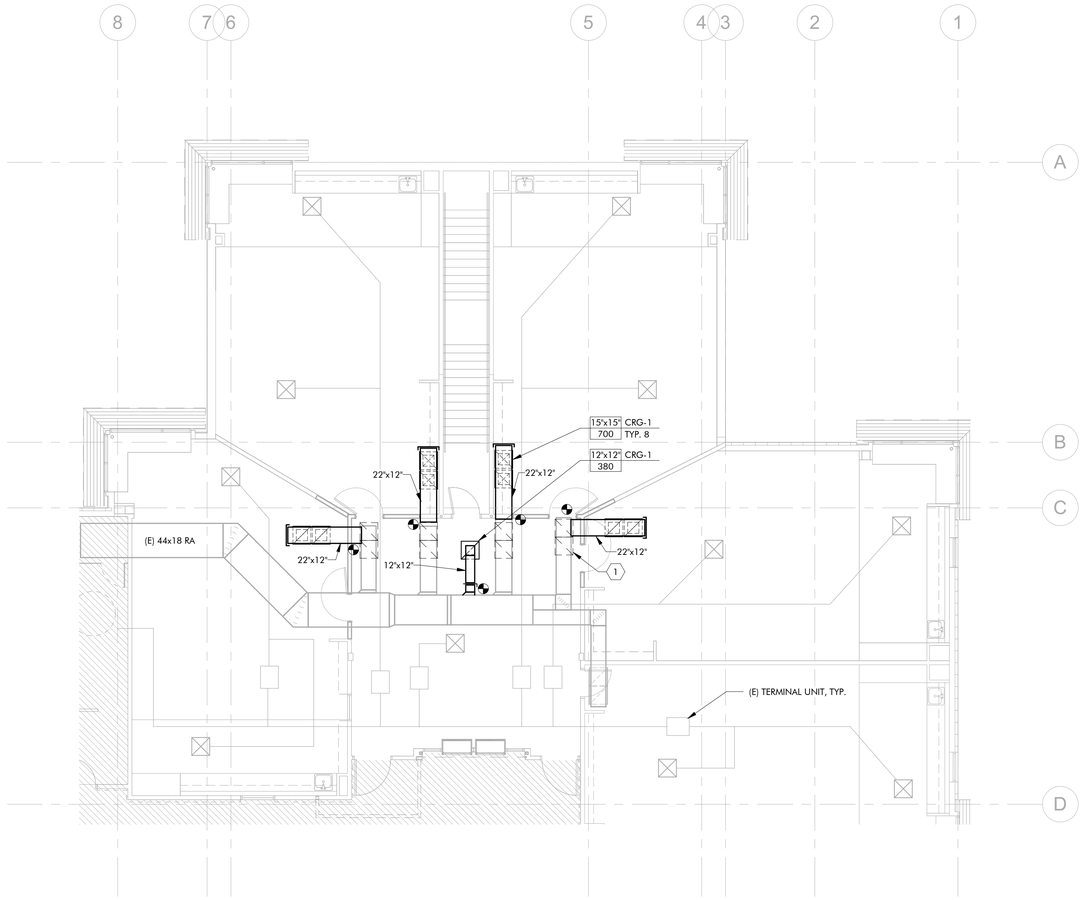
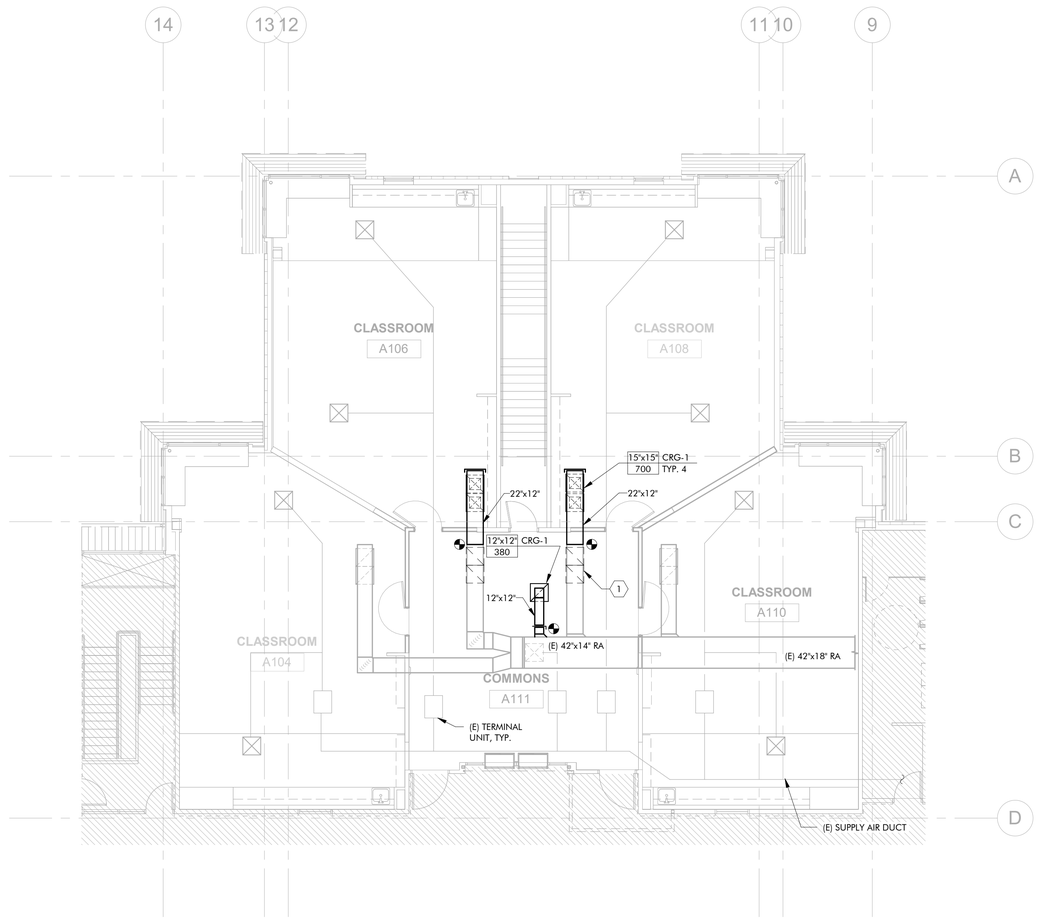
SHEET KEYNOTES

1 EXISTING RETURN GRILLE TO BE REMOVED AND REINSTALLED IN NEW ENCLOSED CLASSROOM AS SHOWN, TYP.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION



2 ENLARGED PLAN #2 - HVAC
1/8" = 1'-0"



1 ENLARGED PLAN #1 - HVAC
1/8" = 1'-0"

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CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL

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PORTLAND, OR 97229

PERMIT SET

PROJECT: 2021-033
DATE: 11/10/22

ENLARGED FLOOR PLAN - HVAC

M113

ABBREVIATIONS

A	AMPERE (AMP)
AAF	ABOVE ACCESS FLOOR
ABF	AIRBLOWN FIBER
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPS INTERRUPTING CURRENT
ALT	ALTERNATE
AN	ANALOG
ARCH	ARCHITECT / ARCHITECTURAL
ARM	ARMORED
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AVC	AUDIO VISUAL CONTRACTOR
BC	BONDING CONDUCTOR
BDF	BUILDING DISTRIBUTION FACILITY
BMS	BUILDING MANAGEMENT SYSTEM
BOC	BOTTOM OF CONDUIT
BOCT	BOTTOM OF CABLE TRAY
C	CONDUIT
CATV	(CABLE TV) COMMUNITY ACCESS TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CF	CELLULAR FLOOR
CKT	CIRCUIT
CLG	CEILING
CO	CENTRAL OFFICE
CPE	CUSTOMER UNIVERSAL ENCLOSURE
CT	CURRENT TRANSFORMER
CU	COPPER
CUE	CONCRETE UNIVERSAL ENCLOSURE
DAS	DISTRIBUTED ANTENNA SYSTEM
dB	DECIBEL
DB	DUCT BANK
DML	DOUBLE MAIN LUGS
DN	DOWN
E	EAST
EQ	EQUAL DISTANT
EC	ELECTRICAL CONTRACTOR
EF	ENTRANCE FACILITY
EM	EMERGENCY
EMC	ELECTROMAGNETIC COMPATIBILITY
EMI	ELECTROMAGNETIC INTERFERER
EMT	ELECTRIC METALLIC TUBING
EPO	EMERGENCY POWER OFF
EP	ENTRANCE POINT
EP	EXPLOSION PROOF
ER	EQUIPMENT ROOM
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FO	FIBER OPTIC
FSD	FIRE SMOKE DAMPER
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GHz	GIGAHERTZ
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
GRD	GROUND
GRS	GALVANIZED RIGID STEEL CONDUIT
HH	HANDHOLE
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HZ	HERTZ
IBC	INTERNATIONAL BUILDING CODE
IDF	INTERMEDIATE BUILDING DISTRIBUTION FACILITY
IG	ISOLATE GROUND
IR	INTERRUPTING RATING
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMP
KVAR	KILOVOLT AMPS REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LEC	LOCAL EXCHANGE CARRIER
LED	LIGHT EMITTING DIODE
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN BUILDING DISTRIBUTION FACILITY
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MH	MAINTENANCE HOLE
MHz	MEGAHERTZ
MLO	MAIN LUGS ONLY
MTS	MANUAL TRANSFER SWITCH
N	NORTH
NAC	NOTIFICATION APPLIANCE CIRCUIT (FA)
NIC	NOT IN CONTRACT
OFCI	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
OFE	OWNER FURNISHED EQUIPMENT
OFOI	FURNISHED AND INSTALLED BY OWNER
OSP	OUTSIDE PLANT
PA	PUBLIC ADDRESS
PB	PULL BOX
PE	PHOTOELECTRIC
PF	POWER FACTOR
PMV	PROJECT MANAGER VERIFICATION
PNL	PANELBOARD
PON	PASSIVE OPTICAL NETWORK
PPL	POLYVINYL CHLORIDE CONDUIT
PVC	PACIFICORP
PWR	POWER
R/W	RIGHT OF WAY
RAD	RADIUS
RG	RADIO GRADE
S	SOUTH
SAA	SECURITY ALARM ANNUNCIATOR
SACP	SECURITY ACCESS CONTROL PANEL
SDP	SUBDISTRIBUTION PANEL
SMB	SURFACE MOUNT BOX
SPD	SURGE PROTECTION DEVICE
ST	SHUNT TRIP
STS	STATIC TRANSFER SWITCH
SW	SWITCH
TBB	TELECOM BONDING BACKBONE
TBC	TELECOM BONDING CONDUCTOR
TBD	TO BE DETERMINED
TE	TELECOM ENCLOSURE
TGB	TELECOM GROUNDING BUSBAR
TL	THRU LUGS
TMGB	TELECOM MAIN GROUNDING BUSBAR
TO	TELECOM OUTLET
TP	TAMPERPROOF
TR	TELECOM ROOM
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION / DIGITAL DISPLAY
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
U	USB
UC	UNDER COUNTER
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTAGE
VA	VOLT AMPERES
VP	VAPORPROOF
W	WATTS OR WEST
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFSW	TRANSFORMER SWITCH

*REFER TO DISCIPLINE SYMBOL LISTS FOR MORE ABBREVIATIONS

GENERAL SYMBOLS

XXXX (123) EQUIPMENT DESIGNATOR - SEE SCHEDULE.

(E) EXISTING TO REMAIN

(X) EXISTING TO BE REMOVED

(R) EXISTING TO BE RELOCATED

(N) NEW

(#) KEYED NOTE

NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

WORK RESPONSIBILITY

ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN CONDUIT, DEVICES, BOXES, CONDUCTORS, AND TRANSITIONS AROUND OBSTRUCTIONS WHETHER SHOWN ON DRAWINGS OR NOT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

GENERAL NOTES (APPLIES TO ALL DRAWINGS)

A. WHERE EXACT DIMENSIONS ARE NOT CALLED FOR, DO NOT SCALE DRAWINGS TO DETERMINE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLET BOXES, WIRE WAYS, PANELS, ETC. SEE ARCH FOR EXACT DIMENSIONS.

B. CONDUIT RUNS SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS. THE EXACT PATH OF THE CONDUIT IS TO BE DETERMINED BY THE CONTRACTOR. THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100 FEET OF STRAIGHT EMPTY CONDUIT AND A PULL BOX FOR MORE THAN TWO 90 DEGREE BENDS IN A CONDUIT RUN. ALL CONDUIT SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND FURNISHED WITH PULL WIRES.

C. POWER CIRCUITS FOR THE AUDIOVISUAL SYSTEMS MUST BE ON THE SAME TRANSFORMER PHASE, BUT NOT ON THE SAME PHASE AS ANY COMPRESSORS, MOTORS, OR LIGHTING DIMMING SYSTEMS.

D. ALL EQUIPMENT MUST BE COMPLETELY BONDED TO A TRUE EARTH COMMON GROUND OR VERIFY GROUNDING REQUIREMENTS WITH ELECTRICAL EQUIVALENT FOR PROPER OPERATION.

E. FOR TELECOM OUTLETS WITH 1-6 CABLES, PROVIDE 1"C. TO DOUBLE-GANG DEEP BOX WITH SINGLE-GANG MUD RING AND 2, 4 OR 6 PORT FACEPLATE AS REQUIRED.

F. FOR TELECOM OUTLETS WITH 7-12 CABLES, PROVIDE TWO (2) 1"C. TO DOUBLE-GANG DEEP BOX WITH DOUBLE-GANG MUD RING AND TWO (2) 2, 4 OR 6 PORT FACEPLATES AS REQUIRED.

G. FOR ALL DATA OUTLETS AND CAMERAS, PROVIDE CATEGORY 6 CABLE AND JACKS. FOR ALL WIRELESS ACCESS POINTS (WAPs), PROVIDE (2) CATEGORY 6A CABLES AND JACKS.

POWER SYMBOLS

WALL RECEPTACLE: DUPLEX, 4-PLEX

FLOOR RECEPTACLE: DUPLEX, 4-PLEX

CEILING RECEPTACLE: DUPLEX, 4-PLEX

#" WALL RECEPTACLE: MOUNTING HEIGHT

SPECIAL RECEPTACLE: WALL

JUNCTION BOX: WALL, FLOOR, CEILING

SURFACE OUTLET STRIP: DIMENSIONS AS SHOWN

F DISCONNECT SWITCH: FUSED, CIRCUIT BREAKER

MOTOR CONNECTION

A8-1 PANEL & CIRCUIT NUMBER

DENOTES DUPLEX RECEPTACLE ON DROP CORD

PUSHBUTTON: WALL

ADA DOOR ASSIST BUTTON: WALL

WIRE CONCEALED IN FLOOR OR UNDERGROUND

RACEWAY AND CONDUCTORS REMOVED AS PART OF DEMOLITION

CONDUIT ELL: UP, DN

ELECTRICAL DUCT BANK

GROUND ROD, 10' LONG, 5/8" DIAMETER, COPPER. BOND TO LOCAL CIRCUIT GROUND CONDUCTOR

ELECTRICAL DISTRIBUTION CABINET

ELECTRICAL DISTRIBUTION PANEL: SURFACE, RECESSED

T ELECTRICAL TRANSFORMER

ONE-LINE SYMBOLS

CONDUCTORS & CONDUIT

CONDUCTORS & CONDUIT TO BE REMOVED

CIRCUIT BREAKER, MOLDED CASE SWITCH

BUS

ATS

M METER

PANEL

MAIN GROUNDING BAR

CONNECTION TO GROUND

TRANSFORMER

LIGHTING SYMBOLS

PE PHOTOCELL: CEILING, WALL MOUNTED

OS DUAL TECHNOLOGY, OCCUPANCY SENSOR: CEILING MOUNTED, WALL MOUNTED

VS DUAL TECHNOLOGY, VACANCY SENSOR: CEILING MOUNTED, WALL MOUNTED

HA 1. / a — HA = LUMINAIRE TYPE DESIGNATION; 1. = CIRCUIT NUMBER; a = SWITCH DESIGNATION

$X SINGLE GANG, STRAP MOUNTED CONTROL STATION. LIGHT SWITCH: OS = OCCUPANCY SENSOR, K = KEYED, 3 = 3-WAY LOW VOLTAGE DIMMER / PRESET CONTROL: D TIMER SWITCH: T

BUG EYE EXIT SIGN WITH INTERGRAL BATTERY, 90 MINUTE RUN TIME: CEILING, WALL MOUNTED

TELECOMMUNICATIONS SYMBOLS

DATA OUTLET: WALL, CEILING, FLOOR

DATA OUTLET: CABLE/JACK QUANTITY (x2 U.O.N.)

#" DATA OUTLET: MOUNTING HEIGHT

WP DATA OUTLET: WALL PHONE (x1 CABLE/JACK)

ALS ASSISTIVE LEARNING SYSTEM

ANALOG CLOCK: WALL, CEILING

M MASTER CLOCK: CEILING

SP IP COMBINATION IP SPEAKER/IP CLOCK (ANALOG FACE)

DIGITAL CLOCK: WALL, CEILING

(E) WIRELESS ACCESS POINT: WALL, CEILING. E = EXISTING

S ALS ASSISTIVE LEARNING SYSTEM SPEAKER: CEILING

S AN / S AN ANALOG SPEAKER: WALL, CEILING

S IP / S IP IP SPEAKER: WALL, CEILING

S SPEAKER-HORN: WALL, CEILING

S AN / S AN ANALOG SPEAKER-HORN: WALL, CEILING, WP

2-WAY/ARA COMMUNICATION STATION: WALL
M: MASTER STATION
PS: POWER SUPPLY

A/V A/V OUTLET: WALL, FLOOR, CEILING

CONT A/V ASSISTIVE LEARNING SYSTEM: CONTROLLER

IO A/V ASSISTIVE LEARNING SYSTEM: INPUT / OUTPUT

CATV CATV OUTLET: WALL, CEILING

IC INTERCOM STATION: WALL

IV INTERCOM & VIDEO STATION: WALL

IC/M MAN INTERCOM MASTER STATION: WALL
MAN: MASTER ANALOG
MIP: MASTER IP

WIRELESS CLOCK SIGNAL DISTRIBUTION ANTENNA: WALL

ANALOG TELEPHONE OUTLET: WALL

TELECOM PATHWAYS AND ENCLOSURES SYMBOLS

CONDUIT

UNDERGROUND CONDUIT

AERIAL

SPLICE

MH MAINTENANCE HOLE

VAULT (SUBSCRIPT +-)

POLES

RACK (2 POST)

RACK (4 POST)

CABINET: SURFACE, RECESSED

PB PULL BOX

V TELECOM UNDERGROUND VAULT

FSD CABLE PATHWAY FIRESTOPPING DEVICE

CABLE TRAY: CENTER SUPPORT, OUTER SUPPORTS

TELECOM GROUND BUS

T TELEPHONE BACKBOARD.

SECURITY SYMBOLS

CR CARD KEY READER STATION: WALL

S MD MOTION DETECTOR: WALL, CEILING

P DA DOOR ASSIST: WALL
P: PANIC

KP IDS KEYPAD: WALL

ACP DOOR HARDWARE: WALL
ACP: ACCESS CONTROL PANEL
DC: DOOR CONTACT
DO: DOOR OPERATOR
DH: DOOR HOLD OPEN
DRP: DOOR RELEASE PANEL
EC: ELECTRIC CYLINDRICAL LOCK SET
EPT: ELECTRONIC POWER TRANSFER
ES: ELECTRIC STRIKE
IL: INTEGRATED LOCK
LA: LOCAL ALARM
LS: LATCH RETRACTION
REX: REQUEST TO EXIT SENSOR
RX: REQUEST TO EXIT SWITCH

DOME SECURITY CAMERA: WALL, CEILING

SINGLE LENS

SINGLE LENS 180°

SINGLE LENS 360°

SINGLE LENS PTZ

DOUBLE LENS

QUAD LENS

*SEE DOOR HARDWARE SCHEDULE AND ASSOCIATED DETAILS FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

FIRE ALARM SYMBOLS

F MANUAL PULL STATION: WALL

F BELL: WALL

STROBE: WALL, CEILING

SPEAKER-STROBE: WALL, CEILING

S S PHOTOELECTRIC SMOKE DETECTOR: WALL, CEILING
PR: RELAY BASE
PIB: ISOLATION BASE
PT: HEAT DETECTOR

BEAM SMOKE DETECTOR

ADDRESSABLE MODULE: WALL, CEILING
ARM: ADDRESSABLE RELAY MODULE
AIM: ADDRESSABLE INPUT MODULE (SINGLE)
AMM: ADDRESSABLE MINI INPUT MODULE
ADM: ADDRESSABLE DUAL INPUT MODULE
ANM: ADDRESSABLE NOTIFICATION MODULE
AIO 1X1: ADRESSABLE INPUT/OUTPUT MODULE, 1 INPUT x 1 RELAY
AIO 2X2: ADDRESSABLE INPUT/OUTPUT MODULE, 2 INPUT x 2 RELAY

ARM ARM

SWITCH: WALL, CEILING
WF: WET SYSTEM
PA: PREACTION SYSTEM
VS: VALVE SUPERVISORY SWITCH
PIV: POST INDICATOR VALVE
LA: LOW AIR SWITCH
HA: HIGH AIR SWITCH
PR: PUMP RUNNING SIGNAL
PT: PUMP TROUBLE SIGNAL
REV: REVERSAL SIGNAL
LT: LOW AIR TEMP
LW: LOW WATER LEVEL
DH: MAGNETIC DOOR HOLD

WF

FACU FIRE ALARM CONTROL UNIT

NPS NOTIFICATION POWER SUPPLY

FAA REMOTE ANNUNCIATOR

LOC LOCAL OPERATOR CONSOLE

AMP EVAC AMPLIFIER

FATC FIRE ALARM TERMINAL CABINET

ELEV ELEVATOR CONTROL MODULE

SPRK SPRINKLER CONTROL MODULE

FAC FIRE ALARM CONTROL PANEL

AES WIRELESS MESH RADIO NETWORK

DOC DOCUMENT STORAGE BOX

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

HBx STUDIO
WWW.HBX-STUDIO.COM

FOR INTERIOR DESIGN INTENT ONLY, NOT FOR CONSTRUCTION

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CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL

5477 NW SKYCREST PKWY
PORTLAND, OR 97229

80% CD

PROJECT: 21005.01

DATE: 10/21/2022

LEGEND AND ABBREVIATIONS - ELECTRICAL

E001

Sheet List

Sheet Number	Sheet Name
E001	LEGEND AND ABBREVIATIONS - ELECTRICAL
E111	FLOOR PLAN - UPPER LEVEL - ELECTRICAL
E112	FLOOR PLAN - LOWER LEVEL - ELECTRICAL

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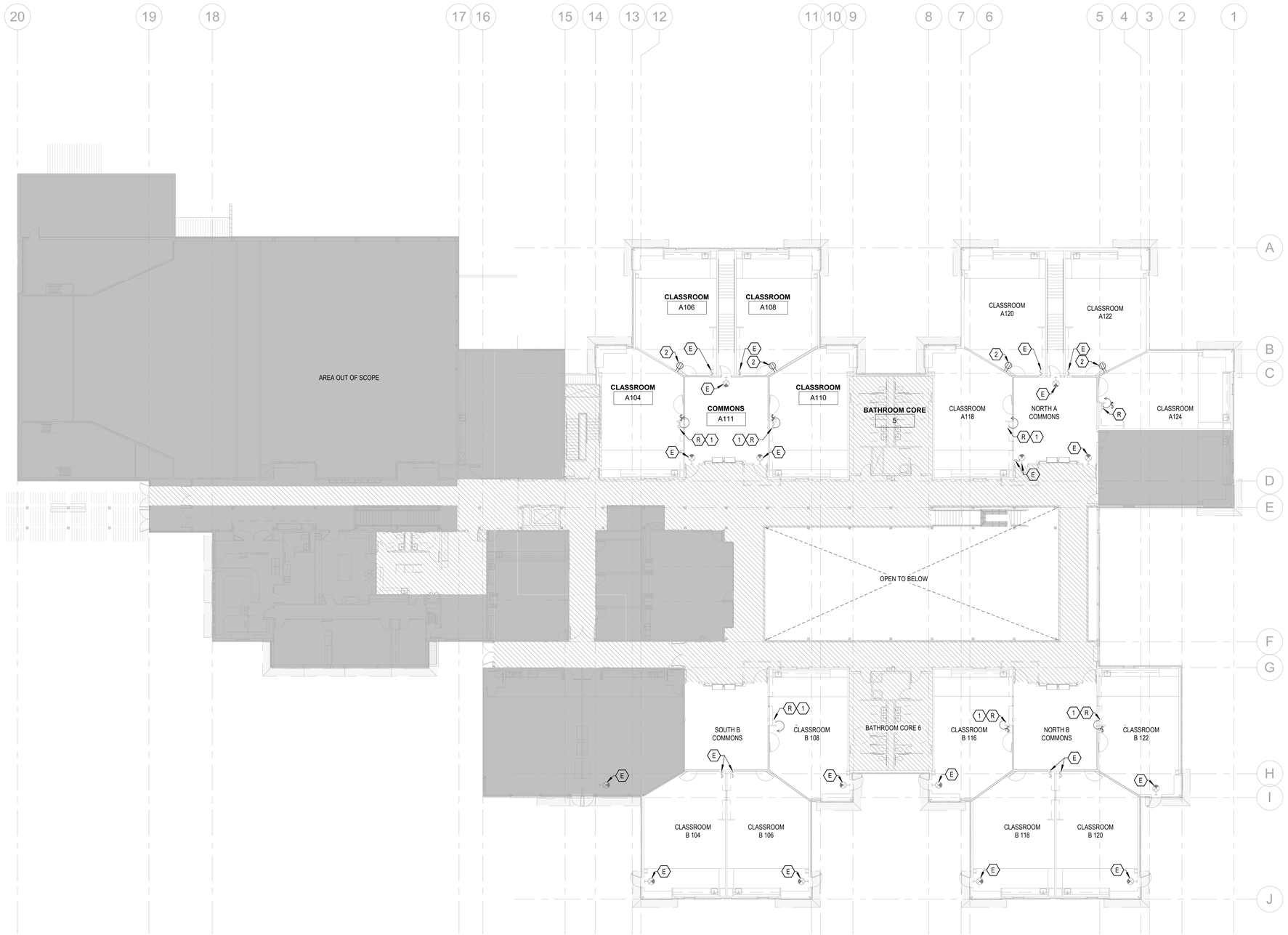

FLOOR PLAN - UPPER LEVEL - ELECTRICAL

1/16" = 1'-0"

1

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES

A ALL CIRCUITS ARE TO BE DE-ENERGIZED PRIOR TO COMMENCING WORK.

B CONTRACTOR TO CONFIRM SOURCE PANELS AND LINE TRACE CIRCUITS TO DETERMINE BREAKER SPACE.

C INSPECT PHYSICAL CONDITION OF ALL WIRING INTENDED FOR INTERCEPTION AND EXTENSION.

D PERFORM MEGGER/RESISTANCE TESTING AND NOTIFY ENGINEER OF DEFICIENCIES FOUND.

E REFER TO AS-BUILT DOCUMENTATION FOR EXISTING SINGLE-LINE DIAGRAMS AND DEVICE LAYOUTS. ALTHOUGH THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO COMMENCING WORK AND COMPENSATE OWNER FOR DAMAGES CAUSED BY FAILURE TO LOCATE OR PRESERVE UTILITIES.

F FOR ITEMS TO BE DEMOLISHED, REMOVE WIRING, DEVICES, AND CONDUIT COMPLETE, DO NOT ABANDON IN PLACE UNLESS OTHERWISE NOTED. CONDUIT CAST IN-SLAB IS TO BE CUT-OFF BELOW GRADE AND ABANDONED.

G DE-ENERGIZE, DISCONNECT, AND REMOVE ALL EXISTING ELECTRICAL INFRASTRUCTURE IN AREAS UNAFFECTED BY PROJECT DEMO.

H RETAIN EXISTING ELECTRICAL RACEWAYS IDENTIFIED FOR INTERCEPTION AND EXTENSION IN AREAS UNAFFECTED BY DEMOLITION.

I PERFORM INSTALLATION IN ACCORDANCE WITH THE CODES OF RECORD AND
APPLICABLE DOE ORDERS, NATIONAL ELECTRICAL CODE (NEC), AND THE
OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).
I.PERFORM INSTALLATION IN ACCORDANCE WITH THE CODES OF RECORD AND
APPLICABLE DOE ORDERS, NATIONAL ELECTRICAL CODE (NEC), AND THE
OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

J ELECTRICAL DRAWINGS ARE CONSIDERED DIAGRAMMATIC AND INDICATE GENERAL
ARRANGEMENT OF WORK AND SYSTEMS. COORDINATE ROUGH-IN REQUIREMENTS
AND INSTALLATION REQUIREMENTS WITH OTHER TRADES.

K PERFORM WORK FOR REMOVAL AND DISPOSAL OF EQUIPMENT AND MATERIALS CONTAINING TOXIC SUBSTANCES REGULATED UNDER THE FEDERAL TOXIC SUBSTANCES CONTROL ACT (TSCA) IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. APPLICABLE EQUIPMENT AND MATERIALS INCLUDE, BUT ARE NOT LIMITED TO:
1. PCB-CONTAINING ELECTRICAL EQUIPMENT, INCLUDING TRANSFORMERS, CAPACITORS, AND SWITCHES.
2. PCB- AND DEHP-CONTAINING LIGHTING BALLASTS.
3. MERCURY-CONTAINING LAMPS AND TUBES, INCLUDING FLUORESCENT LAMPS, HIGH INTENSITY DISARGE (HID), ARC LAMPS, ULTRA-VIOLET, HIGH PRESSURE SODIUM, MERCURY VAPOR, IGNITRON TUBES, NEON, AND INCANDESCENT.

L REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

M REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY.

N REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES.

O DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS THAT ARE NOT REMOVED.

P DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.

Q REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.

R MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS THAT REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.

S REMOVE AND RESTORE WIRING WHICH SERVES USABLE OUTLETS CLEAR OF CONSTRUCTION OR DEMOLITION.

(#) KEYED NOTES

1 RELOCATE EXISTING LIGHT SWITCHES TO THE OPPOSITE SIDE OF THE WING WALL AS INDICATED. INTERCEPT EXISTING WIRING AND EXTEND TO NEW LOCATION.

2 DE-ENERGIZE EXISTING RECEPTACLE CIRCUIT PRIOR TO DEMOLITION OF WALL. OUTLET IS TO REMAIN IN PLACE WITH EXISTING WIRING DURING CONSTRUCTION AND SECURED TO THE NEW STUD FRAME WALL.

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REVISIONS:

REYES ENGINEERING
321 NE Couch St, Suite 403
Portland, Or 97232
503-771-1986

CLASSROOM WALLS PHASE 3 - JACOB WISMER ELEMENTARY SCHOOL
5477 NW SKYCREST PKWY
PORTLAND, OR 97229
80% CD

PROJECT: 21005.01
DATE: 10/21/2022

FLOOR PLAN - UPPER LEVEL - ELECTRICAL

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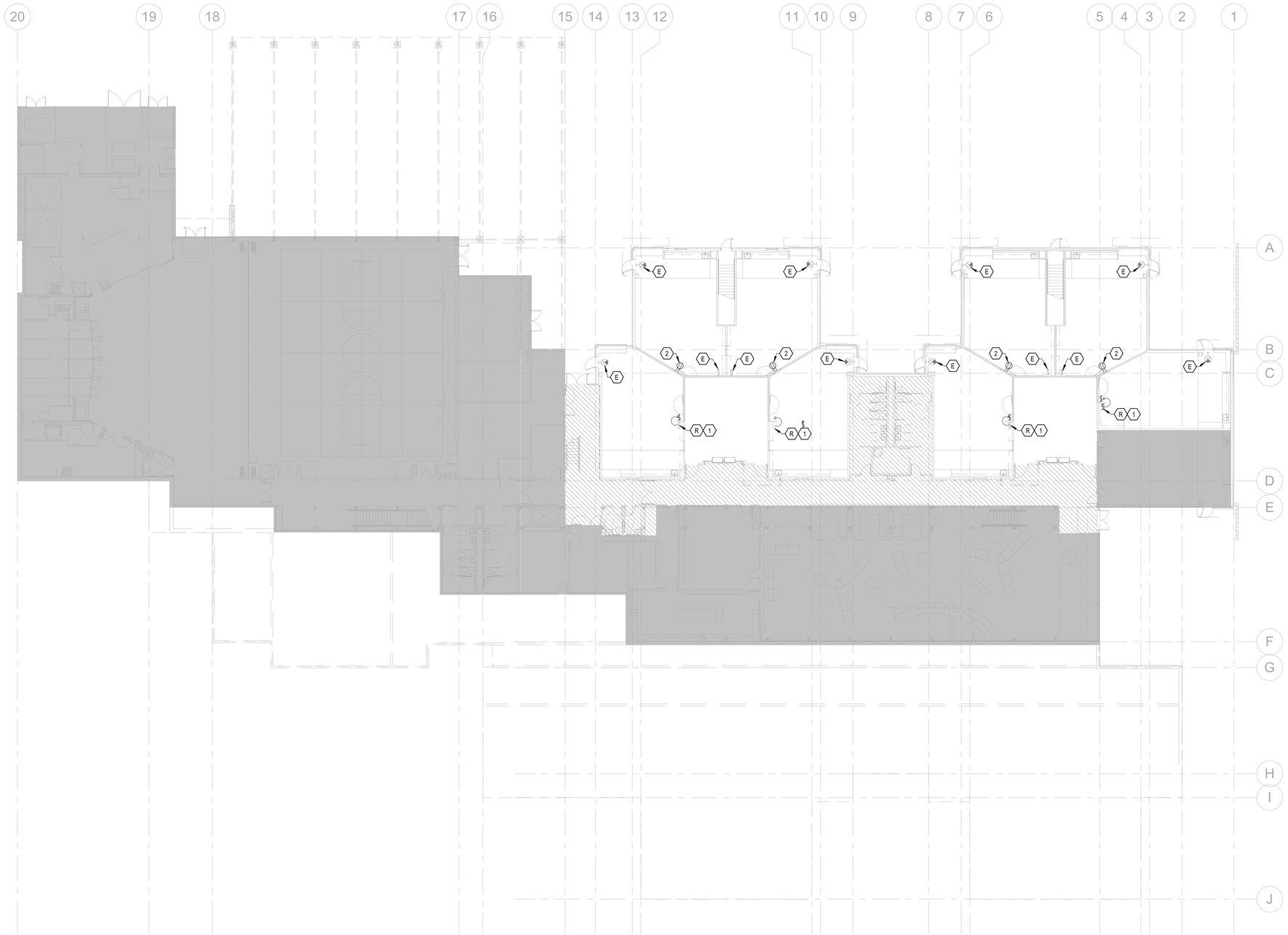

FLOOR PLAN - LOWER LEVEL - ELECTRICAL
1/16" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES

A ALL CIRCUITS ARE TO BE DE-ENERGIZED PRIOR TO COMMENCING WORK.

B CONTRACTOR TO CONFIRM SOURCE PANELS AND LINE TRACE CIRCUITS TO DETERMINE BREAKER SPACE.

C INSPECT PHYSICAL CONDITION OF ALL WIRING INTENDED FOR INTERCEPTION AND EXTENSION.

D PERFORM MEGGER/RESISTANCE TESTING AND NOTIFY ENGINEER OF DEFICIENCIES FOUND.

E REFER TO AS-BUILT DOCUMENTATION FOR EXISTING SINGLE-LINE DIAGRAMS AND DEVICE LAYOUTS. ALTHOUGH THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO COMMENCING WORK AND COMPENSATE OWNER FOR DAMAGES CAUSED BY FAILURE TO LOCATE OR PRESERVE UTILITIES.

F FOR ITEMS TO BE DEMOLISHED, REMOVE WIRING, DEVICES, AND CONDUIT COMPLETE; DO NOT ABANDON IN PLACE UNLESS OTHERWISE NOTED. CONDUIT CAST IN-SLAB IS TO BE CUT-OFF BELOW GRADE AND ABANDONED.

G DE-ENERGIZE, DISCONNECT, AND REMOVE ALL EXISTING ELECTRICAL INFRASTRUCTURE IN AREAS UNAFFECTED BY PROJECT DEMO.

H RETAIN EXISTING ELECTRICAL RACEWAYS IDENTIFIED FOR INTERCEPTION AND EXTENSION IN AREAS UNAFFECTED BY DEMOLITION.

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FLOOR PLAN - LOWER LEVEL - ELECTRICAL

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TYPICAL ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS SHOWN MAY BE USED OR LISTED

A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICAN W/DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERNITIVE
AOW	AREA OF WORK
BATT	BATT INSULATION
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BO	BOTTOM OF
BOC	BACK OF CURB
BOD	BASIS OF DESIGN
BOT	BOTTOM
BS	BOTH SIDES
CB	CATCH BASIN
CBA	CEMENT BACKER BOARD
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CP	CEMENT PLASTER
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSINK
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DIM PT	DIMENSION POINT
DN	DOWN
DP	DAMPPROOFING
DW	DISHWASHER
(E)	EXISTING
EA	EACH
EB	EXPANSION BOLT
EJ	EXPANSION JOINT
ELEV	ELEVATION
ENM	ENAMEL
EO	ELECTRIC OUTLET
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
F&I	FURNISH AND INSTALL
FA	FIRE ALARM
FABX	FIRE ALARM BOX
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FURNITURE, FIXTURE & EQUIPMENT
FO	FACE OF or FINISHED OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
GMU	GLASS MASONRY UNIT
GYP	GYPSUM
GWB	GYPSUM WALL BOARD
HDRL	HANDRAIL
HDW	HARDWARE
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
JAN	JANITOR
JC	JANITOR'S CLOSET
LAV	LAVATORY
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MI	MIRROR
MIN	MINIMUM
MO	MASONRY OPENING
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER or OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OTS	OPEN TO STRUCTURE
PL	PLATE or PLASTIC LAMINATE or PROPERTY LINE
PT	PRESSURE TREATED
PWD	PLYWOOD
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RELOC	RELOCATED(D)
REPL	REPLACE
REQ	REQUIRED
RET	RETURN or RETENTION
RF	RESILIENT FLOORING
RM	ROOM
RO	ROUGH OPENING
RT	RESILIENT TILE
SAM	SELF ADHERED FLEXIBLE FLASHING
SIM	SIMILAR
STN	STONE SLAB/VENEER
SV	SHEET VINYL
SYM	SYMBOL or SYMMETRICAL
T	TEMPERED or TILE
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TD	TRECH DRAIN or TOWN DOWN!
THK	THICK(NESS)
T/M	TO MATCH
TO	TOP OF
TOD	TOP OF DECK
TOP	TOP OF PARAPET or TOP OF PAVEMENT
TOR	TOP OF ROOF
TOS	TOP OF SLAB or TOP OF STEEL
TWO	TOP OF WALL
T-STAT	TERMOSTAT
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UOS	UNDERSIDE OF STRUCTURE
VCT	VINYL COMPOSITE TILE
VEN	VENEER
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST or WIDTH
W/	WITH
WD	WOOD
WF	WIDE FLANGE
WH	WATER HEATER
W/O	WITHOUT
W PANEL	WOOD PANELING
WRB	WEATHER RESISTANT BARRIER
WWF	WELDED WIRE FABRIC

FIRE PROTECTION, ALARM AND EXTINGUISHERS

SPECIALTIES - FIRE EXTINGUISHERS

A. SURVEY EXISTING CONDITIONS OF ENTIRE FLOOR THAT PROJECT OCCURS AND PROVIDE NOT LESS THAN ONE APPROVED FIRE EXTINGUISHER WITH RATING NOT LESS THAN 20A 10B/C FOR EACH 1,500SF OF FLOOR AREA OR FRACTION THEREOF. TRAVEL DISTANCES TO AN EXTINGUISHER FROM ANY PORTION OF THE BUILDING SHALL NOT EXCEED 75 FEET. PROVIDE FIRE EXTINGUISHER(S) IN ACCORDANCE WITH CURRENT CODES.

B. PROVIDE NEW FIRE EXTINGUISHER(S) AT ALL EXISTING CABINETS WHERE MISSING. ALL REUSED EXISTING FIRE EXTINGUISHERS ARE TO BE INSPECTED AND/OR RECHARGED, AS NECESSARY, PRIOR TO SUBSTANTIAL COMPLETION.

FIRE PROTECTION & ALARM SYSTEMS

A. CONTACT BUILDING MANAGER FOR INSTRUCTIONS WHEN SCHEDULING WORK ON FIRE SPRINKLER AND ALARM SYSTEMS.

B. AUTOMATIC SPRINKLER SYSTEM SUPERVISION: ALL VALVES, INCLUDING THOSE IN PITS, SHALL BE MONITORED BY UL LISTED FIRE MARSHAL - APPROVED CENTRAL STATION. WATER FLOW AND HIGH/LOW PRESSURE FOR DRY PIPE SYSTEMS (IF USED) SHALL BE SUPERVISED AS WELL AS OTHER FEATURES DEEMED NECESSARY BY CURRENT NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS.

C. PREPARE SPRINKLER SYSTEM SHOP DRAWINGS FOR COORDINATION WITH ARCHITECTS' DRAWINGS.

D. PROVIDE FULLY CONCEALED SPRINLKER HEADS IN HARDLID CEILINGS, UNLESS NOTED OTHERWISE.

E. PAY ALL FEES AND OBTAIN ALL PERMITS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION NECESSARY TO COMPLETE THE WORK.

BUILDING ALARM SYSTEM/SMOKE DETECTORS

A. PROVIDE VISUAL AND AUDIBLE ALARM SIGNAL APPLIANCES INTEGRATED INTO THE BUILDING ALARM SYSTEM AS REQUIRED BY ADA AND CURRENT OSSC STANDARDS. PROVIDE ADDITIONAL ELECTRICAL SERVICE AS REQUIRED. COORDINATE REQUIREMENTS WITH BUILDING OWNER. ALARM LOCATIONS INDICATED ON PLANS ARE FOR REFERENCE ONLY.

B. PROVIDE SHOP DRAWINGS FOR ALARM SYSTEM LAYOUT AS REQUIRED BY CODE.

C. SMOKE DETECTION DEVICES INDICATED ON THE DRAWINGS ARE FOR REFERENCE ONLY. CONFIRM SPACING OF DETECTORS WITH DEVICE LISTING.

D. CLEAN AND REPAIR EXISTING SMOKE DETECTORS TO BE REUSED TO GOOD WORKING CONDITION.

HARDWARE, SPECIALITIES & FINISHES

DOOR HARDWARE

A. DOORS SHALL OPEN FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

B. NEW EXTERIOR DOOR HARDWARE SHALL MATCH EXISTING BUILDING STANDARDS AND BE ADA COMPLIANT. LEVELER HANDLE, HINGES AND CLOSESERS TO ALL MATCH SAME FINISH AND BUILDING STANDARD AND EACH OTHER.

C. CONTRACTOR SHALL VERIFY COMPATABILITY OF HARDWARE SPECIFIED WITH BUILDING KEYING SYSTEM.

D. PROVIDE NEW DOORS WITH FINISH SPECIFIED PER SCHEDULE. PROVIDE DIAGRAM OF WOOD GRAIN DETAIL, MATCHING AND FINISH.

E. PROVIDE DOOR CLOSERS PER SCHEDULE. SUBMIT CUT SHEET FOR ARCHITECT REVIEW AND APPROVAL.

G. PROVIDE DOOR OPENINGS IN RATED WALLS COMPLYING WITH REQUIRED SMOKE CONTROL ASSEMBLY AND INDICATED FIRE PROTECTION RATING. WHERE EXISTING DOOR OPENINGS DO NOT COMPLY WITH PRESENT BUILDING CODE REQUIREMENTS, PROVIDE NEW DOORS, FRAMES AND HARDWARE THAT COMPLY.

H. ADJUST THE RESISTIVE FORCE OF ALL NEW AND EXISTING INTERIOR DOOR CLOSERS IN THE PROJECT AREA TO A MAXIMUM PRESSURE OF 5 LBS TO COMPLY WITH ADA REQUIREMENTS.

FINISHES - PATCH & REPAIR

I. REPAIR/REFINISH ANY DAMAGE TO EXISTING FINISH SURFACES IN IMPROVEMENT AREA CAUSED BY CONSTRUCTION OPERATIONS.

J. PAINT EXISTING WALLS WITH (2) COATS OF EGGSHELL FINISH PAINT UNLESS NOTED OTHERWISE. SUBMIT COLOR DRAW-DOWNS TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.

K. WHERE ALL NEW PARTITIONS ABUT, JOIN OR CONNECT TO EXISTING SURFACES, WALLS OR NEW CONSTRUCTION, ALIGN THE FINISH SURFACE.

L. ALL NEW WALLS AND PARTITIONS SHALL HAVE TAPED JOINTS (3) COATS SANDED AND PRIMED TO MEET PAINT READY REQUIREMENTS.

M. EXISTING WALLS AND SURFACES SHALL BE STRIPPED, RESURFACED AND PATCHED AS REQUIRED.

N. PROVIDE A FULL GALLON OF EACH WALL COLOR WITH LABELS IN TENANT SUITE. LABEL ALL LEFT OVER PAINT AND DELIVER TO OWNER WHERE DIRECTED.

O. TAPE AND SAND EXPOSED GYPSUM BOARD FOR A FLAT, SMOOTH SURFACE FINISH TO MATCH EXISTING ADJACENT SURFACES IN BUILDING UNLESS NOTED OTHERWISE.

P. PROVIDE FINISH MATERIALS MATCHING ESTABLISHED BUILDING STANDARD QUALITY, UNLESS NOTED OTHERWISE. PROVIDE COLORS APPROVED BY OWNER AND ARCHITECT.

Q. CONTRACTOR TO FILL AND PATCH EXISTING CONCRETE SLABS AND SHALL PROVIDE SMOOTH UNIFORM SURFACE PRIOR TO NEW FLOOR COVERINGS TO BE INSTALLED.

GENERAL NOTES - PROJECT

A. REVIEW ALL CONSTRUCTION DOCUMENTS AND SPECIFICATIONS AND COMPARE THEM TO FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. IMMEDIATELY REPORT ANY CONFLICTS, DISCREPANCIES, OR OMISSIONS TO THE ARCHITECT PRIOR TO SUBMITTING FOR BID.

B. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF APPLICABLE BUILDING CODES, PROGRAM GUIDES OR OTHER REQUIREMENTS OF THE LOCAL JURISDICTION.

C. ALL WORK, BOTH NEW AND IN PLACE, IS TO MEET THE BUILDING FIRE-LIFE SAFETY SUMMARY IN THE AREA OF REMODEL WORK PRIOR TO FINAL INSPECTION.

D. PROVIDE ALL WORK REQUIRED FOR A COMPLETE INSTALLATION WHETHER OR NOT SHOWN OR DESCRIBED.

E. COORDINATE THE MOVEMENT OF PERSONNEL AND MATERIALS WITHIN THE BUILDING AND SIMILAR AREAS WITH THE OWNER'S REPRESENTATIVE. SCHEDULE ACTIVITIES SO THEY ARE NOT DISRUPTIVE TO OCCUPANTS OF THE BUILDING . MAINTAIN EXITING, FIRE PROTECTION AND LIFE SAFETY PER THE FIRE MARSHALL'S OFFICE. COORDINATE DISRUPTIVE WORK FOR AFTER BUSINESS HOURS.

F. CONTRACTOR SHALL NOT SCALE THE DRAWINGS OR DETAILS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOBSITE. WHERE WRITTEN DIMENSIONS ARE NOT INDICATED OR CANNOT BE DISCERNED FROM THE CONSTRUCTION DOCUMENTS, CONTACT THE ARCHITECT FOR CLARIFICATION.

G. NOTIFY THE ARCHITECT IN WRITING IF THERE ARE ANY CORRECTIONS OR CHANGES REQUIRED TO THE CONSTRUCTION DOCUMENTS BY THE AUTHORITY HAVING JURISDICTION. CORRECTION LIST OR COMMENTS MUST BE DELIVERED TO THE DESIGN AGENCY VIA EMAIL AND INCORPORATED BY THE CONTRACTOR INTO THE PERMIT SET.

H. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL TRADES, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL REQUIREMENTS.

I. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO FOLLOW AND COORDINATE ALL ITEMS PER THE MANUFACTURE'S PRINTED INSTRUCTIONS, SPECIFICATIONS AND INSTALLATION DETAILS. THE INSTALLATION OF ALL BUILDING PRODUCTS (INTERIOR AND EXTERIOR), FIXTURES, EQUIPMENT, ETC. SHALL FOLLOW MANUFACTURER INSTALLATION REQUIREMENTS.

CONSTRUCTION PHASE

J. THE ARCHITECT SHALL NOT HAVE CONTROL OVER NOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES IN THE EXECUTION OF THE WORK. SAFETY PRECAUTIONS OR PROGRAMS CONNECTION WITH THE PROJECT ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

MATERIAL SPECIFICATIONS

K. SPECIFIC ITEMS DESCRIBED, LISTED OR DRAWN WITHIN THE CONSTRUCTION SET ARE CONSIDERED THE BASIS OF DESIGN FOR THE PROJECT. IF A SUBSTITUTION IS PROPOSED, THE GENERAL CONTRACTOR IS TO CERTIFY THAT THE PRODUCT IS OF EQUAL OR GREATER PERFORMANCE OR REQUEST REVIEW BY THE DESIGN AGENCY IN WRITING.

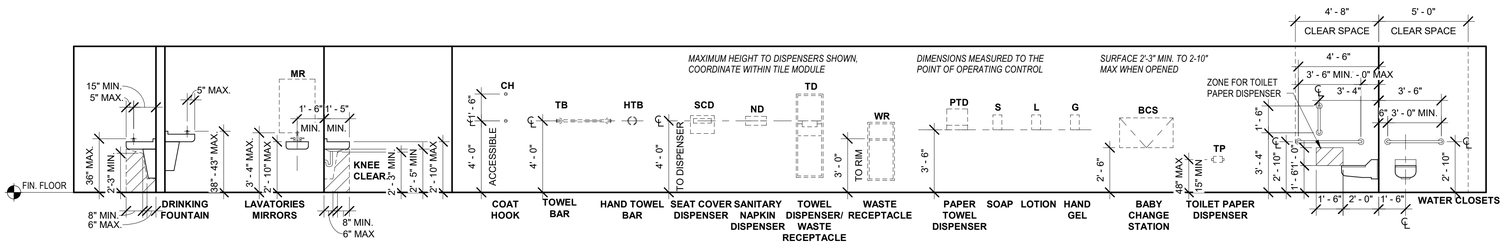
L. THE GENERAL CONTRACTOR SHOULD CONFIRM APPLICABILITY OF ALL SPECIFIED PRODUCTS WITH THE MANUFACTURER FOR SPECIFIC USE AS SHOWN PRIOR TO PURCHASING AND INSTALLATION.

SUBMITTAL PROCEDURES

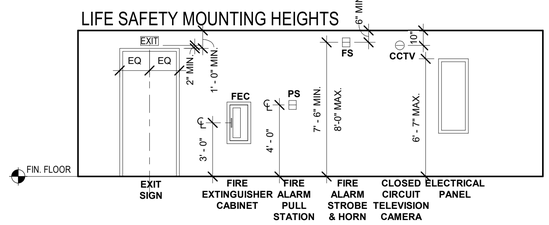
M. THE GENERAL CONTRACTOR SHALL PROVIDE THE ARCHITECT AND BUILDING OWNER PRODUCT DATA, CUTSHEETS AND SHOP DRAWINGS OF INSTALLED PRODCUTS OR DESIGN-BUILD ITEMS IN DIGITAL .PDF FORMAT FOR REVIEW FOLLOWING THE CONTRACTOR'S REVIEW FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ARCHITECT WILL THEN REVIEW EACH SUBMITTED FOR GENRAL COMFORMAMANCE.

N. PROVIDE A MINIMUM (2) PHYSICAL PRODUCT SAMPLES FOR EACH FINISH, INCLUDING PAINT DRAWDOWNS, SPECIFIED WITHIN THESE DRAWINGS.

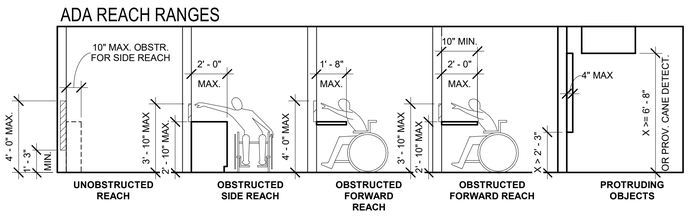
RESTROOMS CLEARANCES AND MOUNTING HEIGHTS



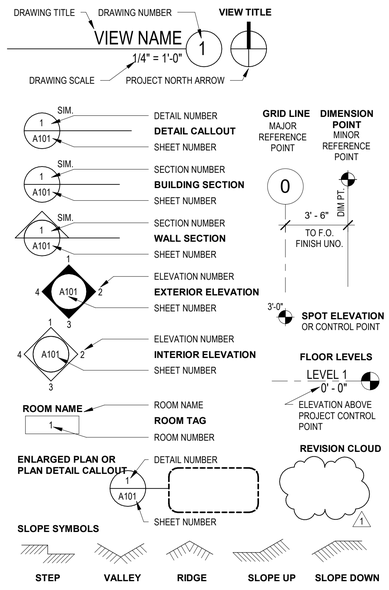
LIFE SAFETY MOUNTING HEIGHTS



ADA REACH RANGES



GENERAL SYMBOLS



SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

PROJECT SUMMARY

PROJECT NAME:	CLASSROOM WALLS PHASE 3 - FINDLEY ELEMENTARY SCHOOL
PROJECT ADDRESS:	4155 NW SALTZMAN RD PORTLAND OR 97229
JURISDICTION:	WASHINGTON COUNTY
CONSTRUCITON TYPE:	V-B (SPRINKLERED)
BUILDING HEIGHT:	2 STORY
BUILDING OCCUPANCY:	EDUCATIONAL, ASSEMBLY (NON-SEPRATED)

PROJECT SCOPE

INTERIOR ALTERATION TO PROVIDE SECURITY IMPROVEMENTS TO EXISTING CLASSROOM AND EDUCATION COMMONS AREA. SCOPE INCLUDES BUILDING NEW PARTITIONS AT EXISTING OPENINGS WITH NEW CLASSROOM ENTRY DOORS. EXISTING OCCUPANCY, OCCUPANTS AND EGRESS PATTERNS ARE UNCHANGED.

ADDITIONAL SCOPE ADDRESSES 25% FOR ADA UPGRADES.

PROJECT TEAM

OWNER: **BEAVERTON SCHOOL DISCTRICT**
1260 NORTHWEST WATERHOUSE AVENUE,
BEAVERTON, OR 97006

ATTN: **JASON MOURRAY**
JASON_MOURRARY@BEAVERTON.K12.OR.US

ARCHITECT: **HBX STUDIO ARCHITECTURE, INC.**
831 SE SALMON ST SUITE 140
PORTLAND, OR 97214
WWW.HBX-STUDIO.COM

ATTN: **MICHAEL BARRETT, AIA**
MICHAEL@HBX-STUDIO.COM

CONTRACTOR: **TBD**

LIST OF DRAWINGS

SHEET	DRAWING NAME	CURRENT REVISION
G021	COVER PAGE	
G121	SITE PLAN & ACCESSIBLE PARKING	
G122	FIRE & LIFE SAFETY PLAN - MAIN LEVEL	
G123	FIRE & LIFE SAFETY PLAN - LOWER LEVEL	
A121	FLOOR PLAN - MAIN LEVEL	
A122	FLOOR PLAN - LOWER LEVEL	
A123	ENLARGED PLAN - TYPICAL CLASSROOM	
A221	ENLARGED TYPICAL CEILING PLAN	
A800	TYPICAL PARTITION DETAILS	
A801	TYPICAL PARTITION DETAILS	
A900	DOORS, FRAMES, HARDWARE SCHEDULE & TYPICAL OPENING DETAILS	
M001	GENERAL NOTES AND ABBREVIATIONS	
M121	FLOOR PLAN - LOWER LEVEL - HVAC	
M122	FLOOR PLAN - UPPER LEVEL - HVAC	
M123	ENLARGED PLANS - TYPICAL CENTER CLASSROOM - HVAC	
M124	ENLARGED PLANS - TYPICAL END CLASSROOM - HVAC	
E001	LEGEND AND ABBREVIATIONS - ELECTRICAL	
E111	MAIN LEVEL FLOOR PLAN - ELECTRICAL	
E112	LOWER LEVEL FLOOR PLAN - ELECTRICAL	

DEFERRED SUBMITTALS - DESIGN/BUILD

ALL DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL WITH A NOTATION INDICATING THAT THE DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN CONFORMANCE WITH THE DESIGN DIRECTION WITHIN THESE DOCUMENTS.

ALL WORK IS SUBJECT TO FIELD INSPECTION, DO NOT COVER WORK PRIOR TO CITY INSPECTION.

SEPARATE PERMIT(S)

SEPARATE PERMITS ARE REQUIRED FOR THE BELOW ITEMS. THE GENERAL CONTRACOTR SUBMIT PLANS FOR REVIEW AND APPROVAL TO THE LOCAL AUTHORITY HAVING JURISDICIATION.

FIRE PROTECTION SYSTEMS **FIRE ALARM SYSTEMS**

HBX STUDIO
HBX-STUDIO.COM
831 SE SALMON ST, SUITE 140, PORTLAND, OREGON 97214

REGISTERED ARCHITECT
MICHAEL BARRETT SMITH
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - FINDLEY ELEMENTARY SCHOOL
4155 NW SALTZMAN RD
PORTLAND OR 97229
PERMIT

PROJECT: 21005.02
DATE: 11/10/2022

COVER PAGE
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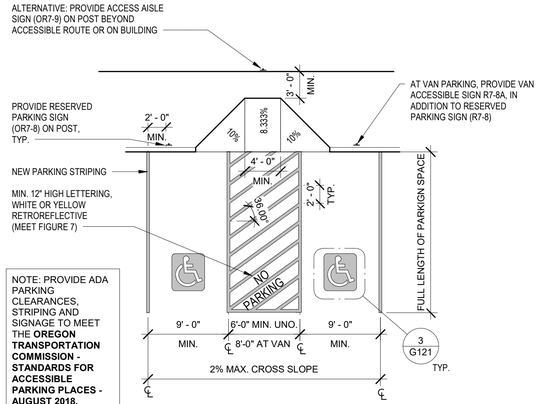


NOTE: PROVIDE ADA PARKING CLEARANCES, STRIPING AND SIGNAGE TO MEET THE **OREGON TRANSPORTATION COMMISSION - STANDARDS FOR ACCESSIBLE PARKING PLACES - AUGUST 2018.** IMAGES OR SIGNS REFERENCE WITHIN THIS DRAWING SPECIFY ODOT STANDARDS.

ACCESSIBLE PARKING PLAN 2
1/8" = 1'-0"

ACCESSIBLE SIGNAGE 4
3/4" = 1'-0"

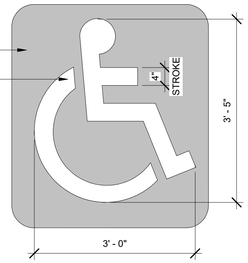
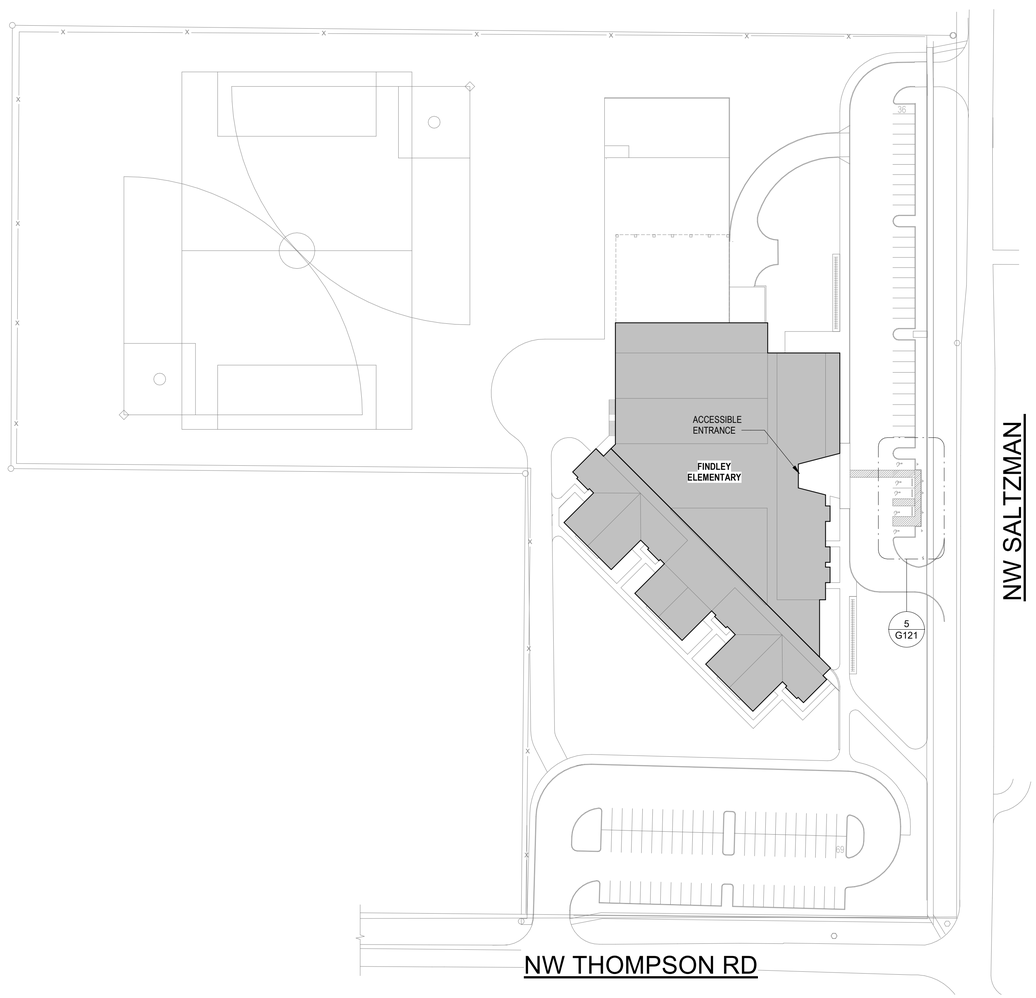
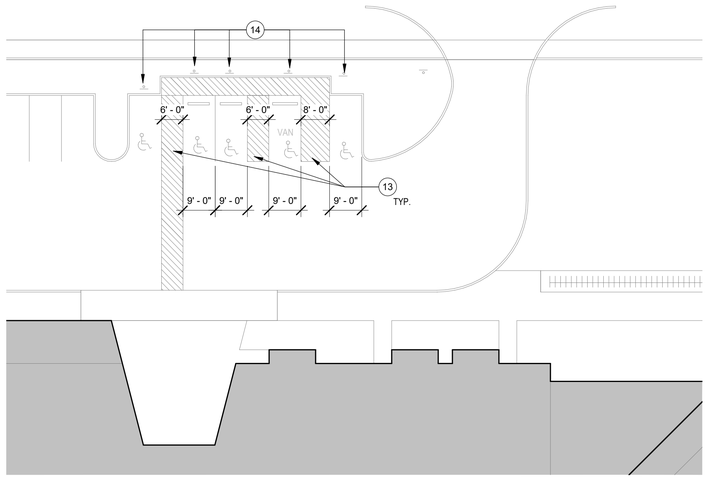


FIGURE 6: OREGON TRANSPORTATION COMMISSION - STANDARDS FOR ACCESSIBLE PARKING PLACES - AUGUST 2018

ACCESSIBLE SIGNAGE STENCILING 3
3/4" = 1'-0"



SITE PLAN 1
1" = 60'-0"



ACCESSIBLE PARKING LOCATION 6
1" = 20'-0"

ACCESSIBLE PARKING SCOPE

- REPLACE EXISTING PARKING SIGNS WITH CURRENT ODOT STANDARD (R7-8 & 7-8A) AS SHOWN ON PLAN AND PHOTOGRAPH.

- VERIFY EXISTING POLE HEIGHT MEETS REQUIREMENTS OF DETAIL 4 ON THIS PAGE. IF NON-COMPLIANT, REPLACE EXISTING POLE TO MEET CURRENT REQUIREMENTS.

- PROVIDE SUPPLEMENTAL "NO PARKING" PAVEMENT MARKING WITHIN EXISTING STRIPING AISLES. COORDINATE TIMING AND BUNDLING WITH DISTRICT IF WORK IS PERFORMED PRIOR TO THE SCOPE CONTAINED WITHIN THIS DOCUMENT SET.

EXISTING PARKING 5
1/8" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES, UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)
- REMOVAL OF DOOR LEAVES AT EXISTING STUDENT RESTROOMS (404.2 - MANUAL DOORS)
- INSTALLATION OF STAIR LEVEL IDENTIFICATION SIGNAGE AT EXISTING STAIRWAYS WITHIN THE ALTERED AREA (504.9)
- INSTALLATION OF THIRD VERITCAL GRAB BAR IN EXISTING ACCESSIBLE TOILET COMPARTMENTS (604.5.1)

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

KEYED NOTES - PROJECT SCOPE

1	ALIGN FACE OF ADJACENT FINISHES, TYPICAL.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WITHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
4	DEMOLISH EXISTING OPERABLE PARTITION. GC TO RECYCLE IF POSSIBLE. EXISTING HEADTRACK TO REMAIN. FIELD VERIFY HEADTRACKS PRIOR TO INSTALLATION OF NEW PARTITION.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD (CFCI) ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
7	INSTALL (N) 18" VERTICAL GRAB BAR AT EXISTING ACCESSIBLE RESTROOM OR TOILET COMPARTMENT. REMOUNT EXISTING TOILET ACCESSSORIES WITHIN THIS AREA TO MEET ADA COMPLIANCE; SEE G001 FOR MOUNTING HEIGHTS AND CLEARANCES
8	REMOVE (E) DOOR AND HARDWARE. SEE TYPICAL FOR PATCH AND PAINT REQUIREMENTS.
11	PROVIDE STAIR LEVEL IDENTIFICATION SIGN IN RAISED CHARACTERS AND BRAILLE TO MEET THE REQUIREMENTS OF 2009 ICC A117.1 504.9 AT EACH FLOOR LEVEL LANDING ADJACENT OT THE DOOR LEADING FROM THE STAIRWELL INTO THE CORRIDOR TO IDENTIFY THE FLOOR LEVEL. PROVIDE ADDITIONAL SIGN AT STAIRWELL EXIT DOOR STATING 'EXIT.' SIGNS TO MATCH EXISTING CODE REQUIRED SIGNAGE FOR COLOR, SIZE AND FONT WITHIN THE BUILDING.
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
17	INSTALL OWNER PROVIDED ROOM SIGANGE, TYP. ALL SIGNAGE TO MATCH DISTRICT STANDARD AND SHALL BE CFCI
18	INSTALL NEW 3"x3"x48" STAINLESS STEEL CORNER GUARD, MECHANICALLY FASTENED.

HBX STUDIO
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833 SW 11TH AVE, SUITE 910, PORTLAND, OREGON 97205

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PROJECT: 21005.02
DATE: 11/10/2022

SITE PLAN & ACCESSIBLE PARKING

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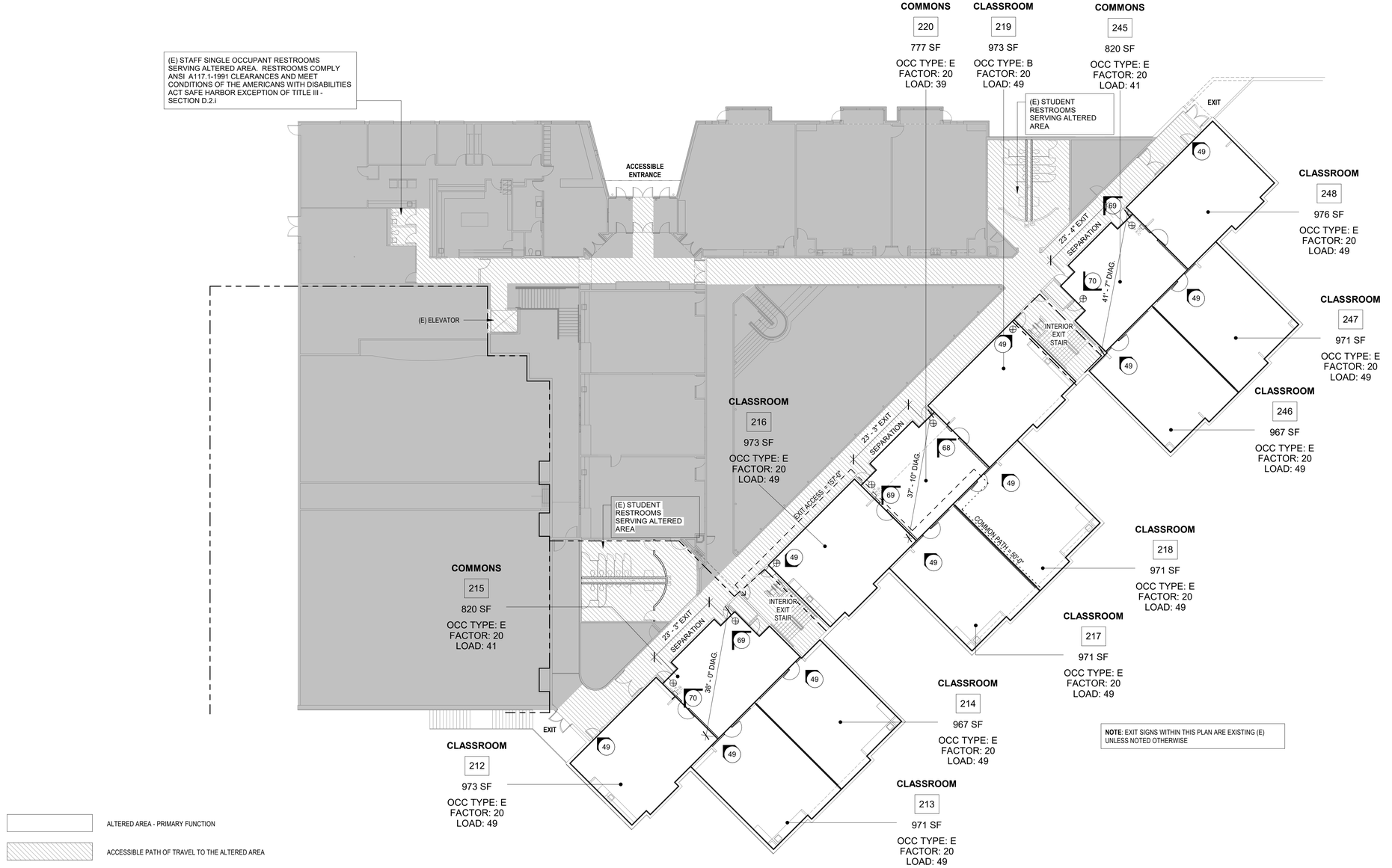

FIRE & LIFE SAFETY PLAN - MAIN LEVEL

1/16" = 1'-0"

1

ORS 447.241 (25% ADA RULE) COMPLIANCE

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- REMOVAL OF DOOR LEAVES AT EXISTING STUDENT RESTROOMS (404.2 - MANUAL DOORS)
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CODE REQUIRED SIGANGE

A. PROVIDE REQUIRED CODE REQUIRED SIGNAGE AS PRESCRIBED BY THE OREGON STRUCTURAL SPECIALTY CODE AND THE INTERNATIONAL FIRE CODE. COORDINATE LOCATION WITH ARCHITECT AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

B. THE FOLLOWING ITEMS ARE TYPICALLY PROVIDED BY THE GENERAL CONTRACTOR, BUT MAY NOT EXHAUSTIVE OF ALL UNIQUE PROJECT REQUIREMENTS. COORDINATE EXTENT OF CODE REQUIRED SIGNAGE WITHIN THIS PROJECT WITH ARCHITECT OF RECORD PRIOR TO SUBSTANTIAL COMPLETION. MATCH ANY DISTRICT STANDARDS OR EXISTING BUILDING STANDARDS FOR CODE REQUIRED SIGNAGE.

C. **OREGON SPECIALTY STRUCTURAL CODE - BASED ON THE INTERNATIONAL BUILDING CODE (IBC)**

- OCCUPANT LOAD (1004.3)
- TWO-WAY COMMUNICATION DEVICES (IBC 1007.8.2)
- AREAS OF REFUGE (IBC 1007.9)
- DELAYED EMERGENCY EXIT DOORS (IBC 1008.1.9)
- KEY LOCKS ON EGRESS SIDE OF DOORS (IBC 1008.1.9)
- EXIT SIGNAGE (IBC 1011.1)
- FLOOR IDENTIFICATION (IBC 1022.8)
- ACCESSIBILITY ELEMENTS AND DIRECTIONAL SIGNAGE (IBC 1110)
- ELEVATOR EMERGENCY SIGNS (IBC 3002.3)

D. **OREGON FIRE CODE - BASED ON THE INTERNATIONAL FIRE CODE (IFC)**

- NO SMOKING (IFC 310.3)
- PREMISES IDENTIFICATION (IFC 505.1)
- FIRE PROTECTION EQUIPMENT SIGNS (IFC 509.1)
- ELECTRICAL CONTROL ROOMS (IFC 605.3.1)
- FIRE DOORS (IFC 703.2.1)
- FIRE DEPARTMENT CONNECTIONS (IFC 912.4)

RATED ASSEMBLIES

A. WHERE RATED ASSEMBLIES ARE SHOWN ON THE FLS PLAN, PROVIDE A UL OR GA LISTED RATED ASSEMBLY TO MEET THE FIRE RATING REQUIREMENTS TO THE ARCHITECT FOR REVIEW.

B. PROVIDE A UL OR GA LISTED PERIMETER JOINT ASSEMBLY AND THROUGH PENETRATION FIRE STOP ASSMEMBLY MEETING THE FIRE RATED REQUIREMENT OF THE WALL, FLOOR/CEILING OR ROOF ASSMBLY SHOWN ON THE FLS PLANS.

C. PROVIDE A SUBMITTAL CUTSHEET TO THE ARCHITECT OF EACH SELECTED FIRE RESISTANT ASSEMBLY PRIOR TO INSTALLATION.

EMERGENCY LIGHTING REQUIREMENTS

A. MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS SERVED BY THE MEANS OF EGRESS.

B. PROVIDE MINIMUM 1 FOOT-CANDLE OF ILLUMINATION AT ALL MEANS OF EGRESS. THE POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE BUILDINGS ELECTRICAL SUPPLY. IN THE EVENT OF A POWER FAILURE, THE EMERGENCY POWER SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH 2015 IBC SECTION 2702 AND 2015 IBC SECTION 1006.

C. PRIOR TO FINAL INSPECTION, SUBMIT DOCUMENTATION SUBSTANTIATING THE COMPLETION OF TEST FOR THE MEANS OF EGRESS ILLUMINATION LEVEL PER 2015 IBC 1008.2.1, 1008.3 AND EMERGENCY POWER PER 1008.3.5.

FIRE LIFE SAFETY (BY GENERAL CONTRACTOR)

THE FOLLOWING ITEMS ARE FIRE LIFE SAFETY REQUIREMENTS TO BE COMPLETED BY THE GENERAL CONTRACTOR. PROVIDE THE APPROPRIATE SUBMITTAL TO THE ARCHITECT FOR REVIEW AND COORDINATION PRIOR TO SUBMITTING TO THE AUTHOROITY HAVING JURISDICTION.

DELEGATED DESIGN SUBMITTALS/PERMITS

A. ITEMS LISTED AS A DEFERRED SUBMITTAL OR DESIGN BUILD ITEMS ON SHEET G001 REQUIRE ENGINEERING TO BE PROVIDED BY THE GENERAL CONTRACTOR.

B. PROVIDE A COMPLETE AND ENGINEERED SYSTEM TO MEET THE DESIGN INTENT CONTAINED WITHIN THESE CONTRACT DOCUMENTS. PROVIDE A SUBMITTAL TO THE ARCHITECT FOR REVIEW OF DESIGN INTENT CONFORMANCE ONLY; THIS REVIEW DOES NOT CONSTITUTE A PROFESSIONAL PEER REVIEW OF THE SYSTEMS SUBMITTED.

C. WHERE A LICENSED DESIGN PROFESSIONAL IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR IS TO SECURE THESE SERVICES AND PROVIDE STAMPED DOCUMENTS TO MEET THE LOCAL REQUIREMENTS FOR A DEFERRED SUBMITTAL OR SEPARATE PERMIT.

D. ADDITIONAL DEFERRED SUBMITTAL OR PERMIT FEES TO BE PAID BY THE GENERAL CONTRACTOR.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

CODE SUMMARY

APPLICABLE CODES

2019 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2019 OREGON ZERO ENERGY READY COMMERCIAL CODE (OSSC CHAPTER 13)
2019 OREGON MECHANICAL SPECIALTYCODE (OMSC)
2021 OREGON PLUMBING SPECIALTY CODE (OPSC)
2021 OREGON ELECTRICAL SPECIALTY CODE (OESC)
2019 OREGON FIRE CODE
ICC/ANSI A117.1 - 2009

WASHINGTON COUNTY MUNICIPAL CODE

CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY:	E (EDUCATION)
CONSTUCTION TYPE:	V-B (SPRINKLERED)
STORIES:	2 ABOVE GRADE
SEPARATION:	NON-SEPARATED

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME:	**0 HOURS**
BEARING WALLS:	
EXTERIOR:	**0 HOURS**
INTERIOR:	**0 HOURS**
NON BEARING WALLS AND PARTITIONS:	
EXTERIOR:	**SEE SHELL FLS PLANS**
INTERIOR:	**0 HOUR**
FLOOR CONSTRUTION:	**0 HOURS**
ROOF CONSTRUCTION:	**0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

INTERIOR EXIT STAIRWAYS, EXIT RAMPS AND EXIT PASSAGEWAYS:	**CLASS A**
CORRIDORS AND ENCLOSUES FOR EXIT STAIRWAYS AND RAMPS:	**CLASS B**
ROOMS AND ENCLOSED SPACES:	**CLASS C**

MEANS OF EGRESS (CHAPTER 10)

1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH SPACE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

1006.2.1 COMMON PATH OF EGRESS TRAVEL: THE MAXIMUM COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUPS E SHALL NOT BE MORE THAN **75 FEET** WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

1007.1.1 EXIT DISTANCE: WHERE TWO EXITS ARE REQUIRED, THE SEPARATION DISNACE SHALL NOT BE LESS THAN **1/3RD THE DIAGONAL** WITH AN AUTOMATIC SPRINKLER SYSTEM.

1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY E, SPRINKLERED: **250'**

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 44" EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
- C.P. X' - X' COMMON PATH OF EGRESS TRAVEL (OSSC 1014.3)
- E.A. X' - X' EXIT ACCESS DISTANCE (OSSC 1016)
- 10 OCCUPANT LOAD AT OPENING
- 10 CUMMALTIVE OCCUPANT LOAD AT OPENING
- LIGHTED EXIT SIGN - CEILING MOUNTED *SHADING INDICATES LIGHTED FACE(S), DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN*
- LIGHTED EXIT SIGN - WALL MOUNTED
- LIGHTED EXIT SIGN - ***EXISTING TO REMAIN***
- F.E.C FIRE EXTINGUISHER CABINET - COORDINATE LOCATION WITH FIRE MARSHAL

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810 SE SALMON ST, SUITE 540, PORTLAND, OREGON 97214

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FIRE & LIFE SAFETY PLAN - MAIN LEVEL

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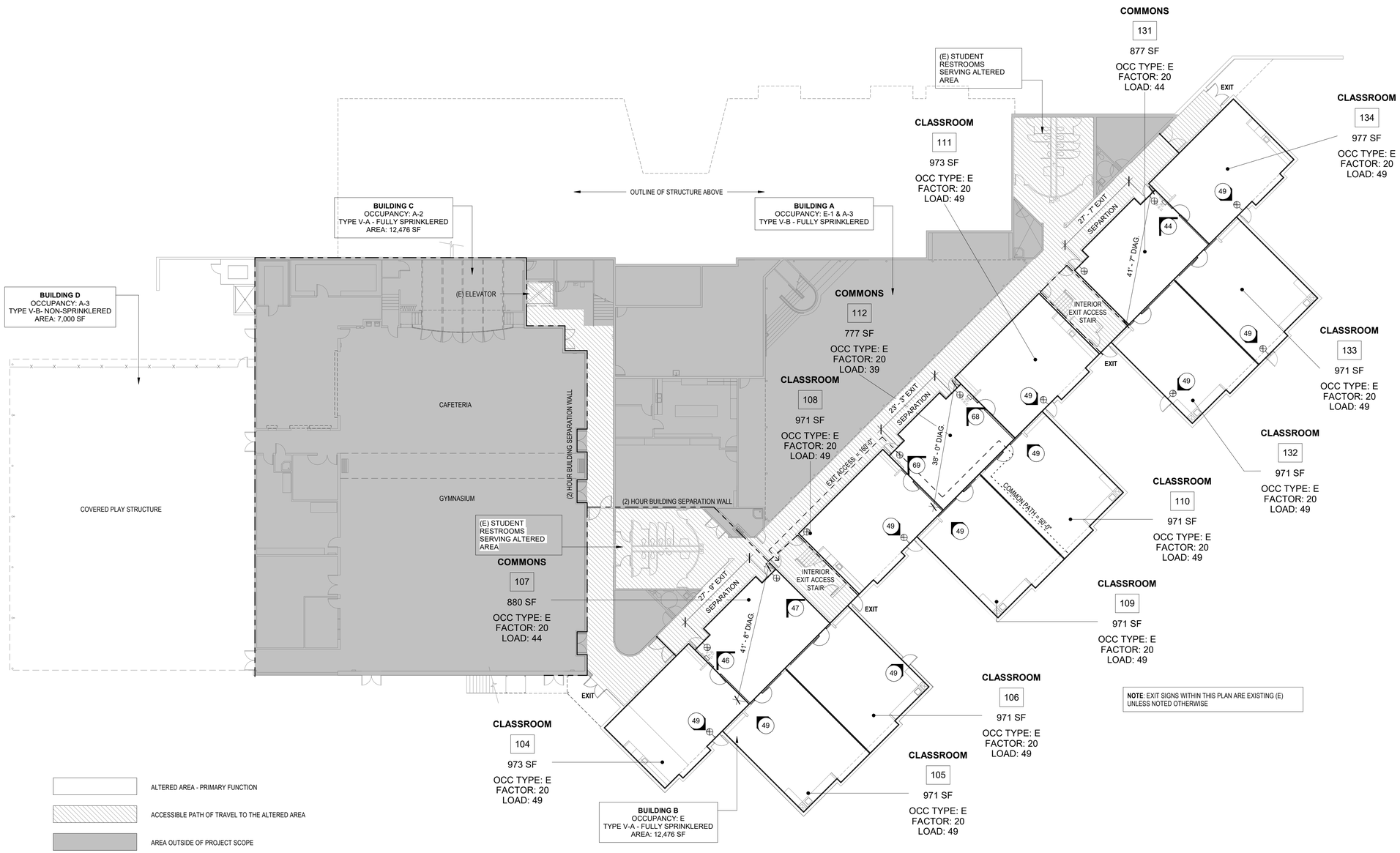

FIRE & LIFE SAFETY PLAN - LOWER LEVEL

1/16" = 1'-0"

1

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- EXIT SIGNAGE (IBC 1011.1)
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A. ITEMS LISTED AS A DEFERRED SUBMITTAL OR DESIGN BUILD ITEMS ON SHEET G001 REQUIRE ENGINEERING TO BE PROVIDED BY THE GENERAL CONTRACTOR.

B. PROVIDE A COMPLETE AND ENGINEERED SYSTEM TO MEET THE DESIGN INTENT CONTAINED WITHIN THESE CONTRACT DOCUMENTS. PROVIDE A SUBMITTAL TO THE ARCHITECT FOR REVIEW OF DESIGN INTENT CONFORMANCE ONLY; THIS REVIEW DOES NOT CONSTITUTE A PROFESSIONAL PEER REVIEW OF THE SYSTEMS SUBMITTED.

C. WHERE A LICENSED DESIGN PROFESSIONAL IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR IS TO SECURE THESE SERVICES AND PROVIDE STAMPED DOCUMENTS TO MEET THE LOCAL REQUIREMENTS FOR A DEFERRED SUBMITTAL OR SEPARATE PERMIT.

D. ADDITIONAL DEFERRED SUBMITTAL OR PERMIT FEES TO BE PAID BY THE GENERAL CONTRACTOR.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

CODE SUMMARY

APPLICABLE CODES

2019 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2019 OREGON ZERO ENERGY READY COMMERCIAL CODE (OSSC CHAPTER 13)
2019 OREGON MECHANICAL SPECIALTYCODE (OMSC)
2021 OREGON PLUMBING SPECIALTY CODE (OPSC)
2021 OREGON ELECTRICAL SPECIALTY CODE (OESC)
2019 OREGON FIRE CODE
ICC/ANSI A117.1 - 2009

WASHINGTON COUNTY MUNICIPAL CODE

CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY:	E (EDUCATION)
CONSTUCTION TYPE:	V-B (SPRINKLERED)
STORIES:	2 ABOVE GRADE
SEPARATION:	NON-SEPARATED

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME:	**0 HOURS**
BEARING WALLS:	
EXTERIOR:	**0 HOURS**
INTERIOR:	**0 HOURS**
NON BEARING WALLS AND PARTITIONS:	
EXTERIOR:	**SEE SHELL FLS PLANS**
INTERIOR:	**0 HOUR**
FLOOR CONSTRUTION:	**0 HOURS**
ROOF CONSTRUCTION:	**0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

INTERIOR EXIT STAIRWAYS, EXIT RAMPS AND EXIT PASSAGEWAYS:	**CLASS A**
CORRIDORS AND ENCLOSUES FOR EXIT STAIRWAYS AND RAMPS:	**CLASS B**
ROOMS AND ENCLOSED SPACES:	**CLASS C**

MEANS OF EGRESS (CHAPTER 10)

1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH SPACE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

1006.2.1 COMMON PATH OF EGRESS TRAVEL: THE MAXIMUM COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUPS E SHALL NOT BE MORE THAN **75 FEET** WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

1007.1.1 EXIT DISTANCE: WHERE TWO EXITS ARE REQUIRED, THE SEPARATION DISNACE SHALL NOT BE LESS THAN **1/3RD THE DIAGONAL** WITH AN AUTOMATIC SPRINKLER SYSTEM.

1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY E, SPRINKLERED: **250'**

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 44" — EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
- C.P. X' - X" — COMMON PATH OF EGRESS TRAVEL (OSSC 1014.3)
- E.A. X' - X" — EXIT ACCESS DISTANCE (OSSC 1016)
- 10 — OCCUPANT LOAD AT OPENING
- 10 — CUMMALTIVE OCCUPANT LOAD AT OPENING
- LIGHTED EXIT SIGN - CEILING MOUNTED *SHADING INDICATES LIGHTED FACE(S). DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN*
- LIGHTED EXIT SIGN - WALL MOUNTED
- LIGHTED EXIT SIGN - ***EXISTING TO REMAIN***
- F.E.C — FIRE EXTINGUISHER CABINET - COORDINATE LOCATION WITH FIRE MARSHAL

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FIRE & LIFE SAFETY PLAN - LOWER LEVEL

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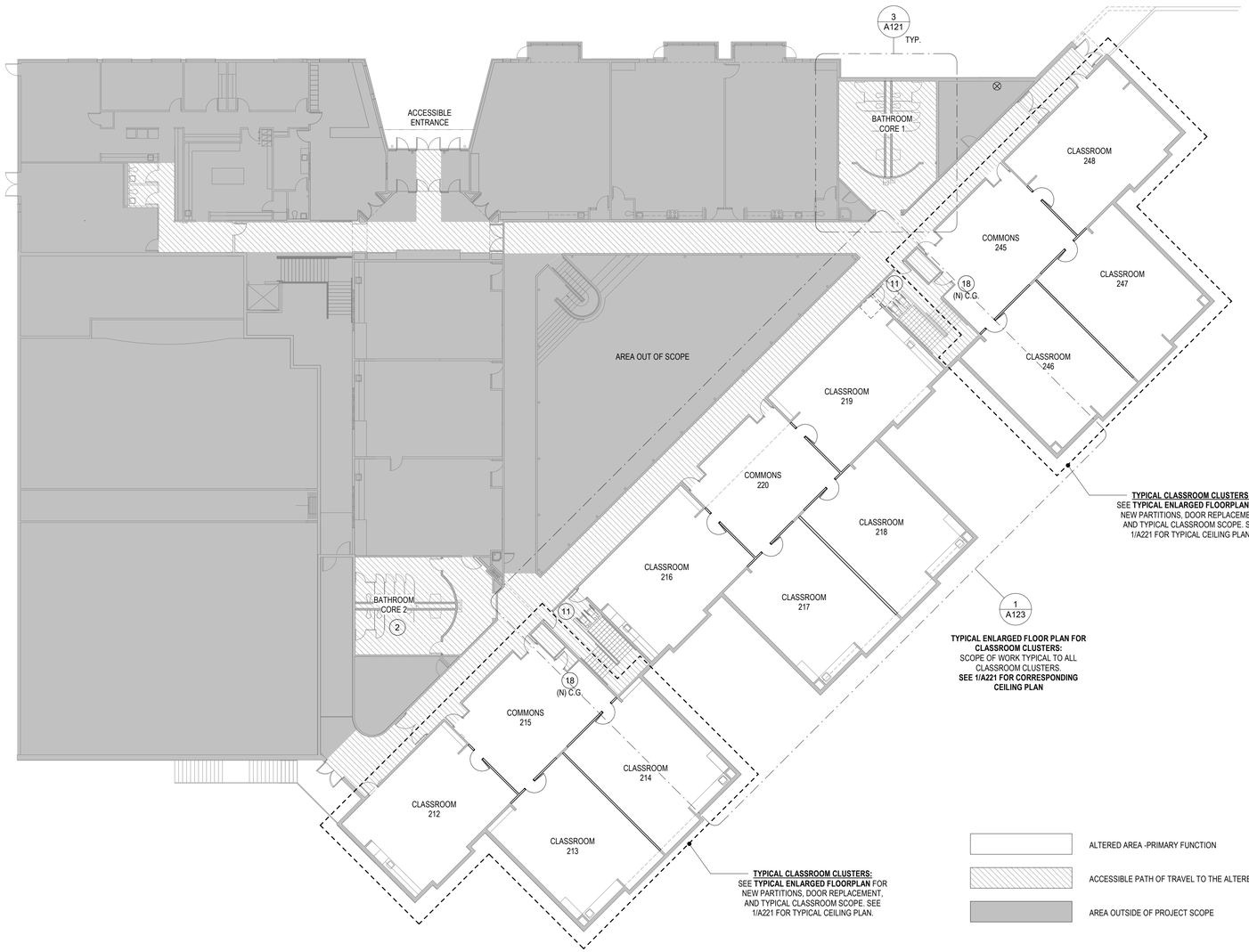
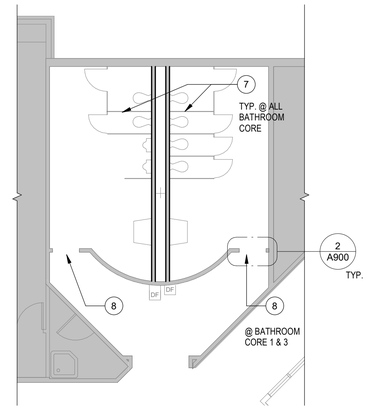


FLOOR PLAN - MAIN LEVEL 1

1/16" = 1'-0"



TYPICAL RESTROOM PLAN 3

1/8" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. REFER TO SHEET G101 FOR LOCATION OF RATED WALLS. MAINTAIN ALL RATINGS THROUGH RATED ASSEMBLIES INCLUDING THROUGH PENETRATIONS AND PERIMETER JOINT ASSEMBLIES.

C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

F. WHERE DIMENSIONS ARE LISTED AS 'CRITICAL CLEAR' THESE DIMENSIONS MUST ABSULUTELY BE HELD FOR ADA OR EGRESS COMPLIANCE. DIMENSIONS LISTED WITH '+/-' TYPICALLY HAVE SOME CONSTRUCTION TOLERANCE.

G. PATCH AREAS ADJACENT OR ADJOINING DEMOLITION WORK TO MATCH EXISTING AND/OR NEW CONSTRUCTION.

H. ALL NEW GYPSUM BOARD WALL SURFACES TO RECEIVE A SMOOTH, LEVEL 4 FINISH PER AWCI STANDARDS.

I. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

KEYED NOTES - PROJECT SCOPE

1	ALIGN FACE OF ADJACENT FINISHES, TYPICAL.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WTIHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
4	DEMOLISH EXISTING OPERABLE PARTITION. GC TO RECYCLE IF POSSIBLE. EXISTING HEADTRACK TO REMAIN. FIELD VERIFY HEADTRACKS PRIOR TO INSTALLATION OF NEW PARTITION.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD (CFCI) ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
7	INSTALL (N) 18" VERTICAL GRAB BAR AT EXISTING ACCESSIBLE RESTROOM OR TOILET COMPARTMENT. REMOUNT EXISTING TOILET ACCESSSORIES WITHIN THIS AREA TO MEET ADA COMPLIANCE; SEE G001 FOR MOUNTING HEIGHTS AND CLEARANCES
8	REMOVE (E) DOOR AND HARDWARE. SEE TYPICAL FOR PATCH AND PAINT REQUIREMENTS.
11	PROVIDE STAIR LEVEL IDENTIFICATION SIGN IN RAISED CHARACTERS AND BRAILLE TO MEET THE REQUIREMENTS OF 2009 ICC A117.1 504.9 AT EACH FLOOR LEVEL LANDING ADJACENT OT THE DOOR LEADING FROM THE STAIRWELL INTO THE CORRIDOR TO IDENTIFY THE FLOOR LEVEL. PROVIDE ADDITIONAL SIGN AT STAIRWELL EXIT DOOR STATING 'EXIT.' SIGNS TO MATCH EXISTING CODE REQUIRED SIGNAGE FOR COLOR, SIZE AND FONT WITHIN THE BUILDING.
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
17	INSTALL OWNER PROVIDED ROOM SIGANGE, TYP. ALL SIGNAGE TO MATCH DISTRICT STANDARD AND SHALL BE CFCI
18	INSTALL NEW 3"x3"x48" STAINLESS STEEL CORNER GUARD, MECHANICALLY FASTENED.

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FLOOR PLAN - MAIN LEVEL
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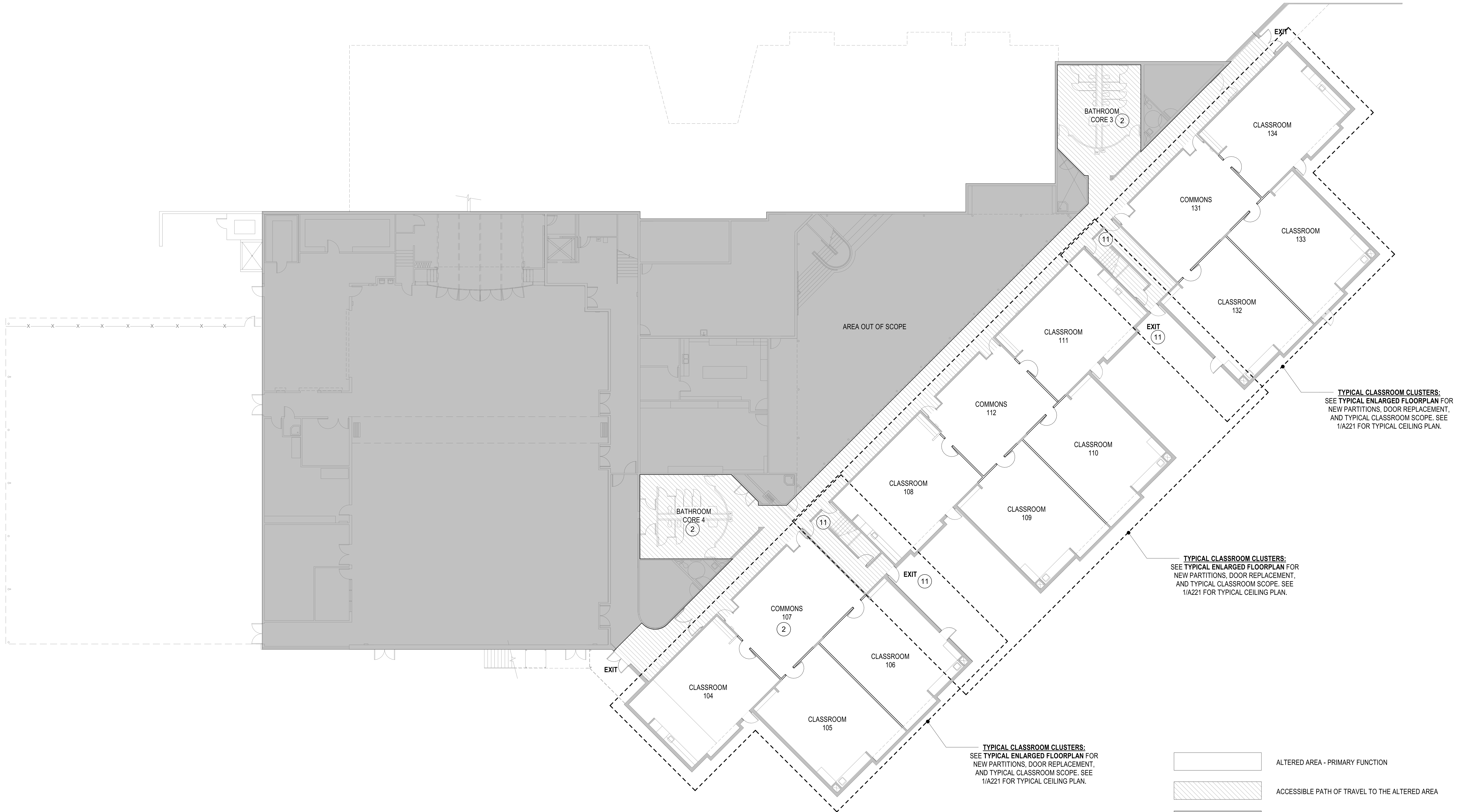

ALTERED AREA - PRIMARY FUNCTION

ACCESSIBLE PATH OF TRAVEL TO THE ALTERED AREA

AREA OUTSIDE OF PROJECT SCOPE

FLOOR PLAN - LOWER LEVEL (1)
1/16" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. REFER TO SHEET G101 FOR LOCATION OF RATED WALLS. MAINTAIN ALL RATINGS THROUGH RATED ASSEMBLIES INCLUDING THROUGH PENETRATIONS AND PERIMETER JOINT ASSEMBLIES.

C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

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KEYED NOTES - PROJECT SCOPE

1	ALIGN FACE OF ADJACENT FINISHES, TYPICAL.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WTIHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
4	DEMOLISH EXISTING OPERABLE PARTITION. GC TO RECYCLE IF POSSIBLE. EXISTING HEADTRACK TO REMAIN. FIELD VERIFY HEADTRACKS PRIOR TO INSTALLATION OF NEW PARTITION.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD (CFCI) ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
7	INSTALL (N) 18" VERTICAL GRAB BAR AT EXISTING ACCESSIBLE RESTROOM OR TOILET COMPARTMENT. REMOUNT EXISTING TOILET ACCESSSORIES WITHIN THIS AREA TO MEET ADA COMPLIANCE; SEE G001 FOR MOUNTING HEIGHTS AND CLEARANCES
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13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
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FLOOR PLAN - LOWER LEVEL

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KEYED NOTES - PROJECT SCOPE

1	ALIGN FACE OF ADJACENT FINISHES, TYPICAL.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WITHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
4	DEMOLISH EXISTING OPERABLE PARTITION. GC TO RECYCLE IF POSSIBLE. EXISTING HEADTRACK TO REMAIN. FIELD VERIFY HEADTRACKS PRIOR TO INSTALLATION OF NEW PARTITION.
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FINISH SCHEDULE

NOTE - INSTALL ALL FINISHES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

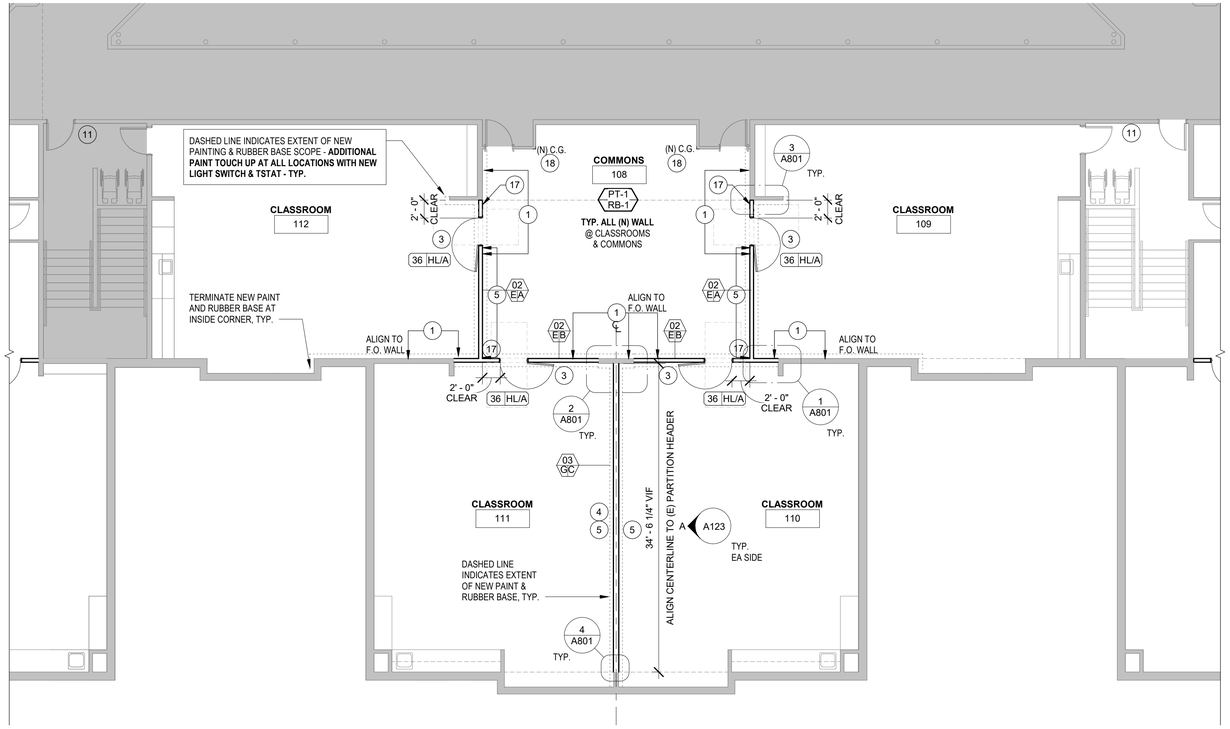
09 91 00 - PAINTS AND COATINGS

PT-1:
MANUFACTURER: RODDA PAINT
PRODUCT: UNIQUE II LOW-GLOSS (532001)
COLOR: MATCH BUILDING STANDARD
FINISH: LOW GLOSS EGGSHELL
LOCATIONS: WALL FINISH

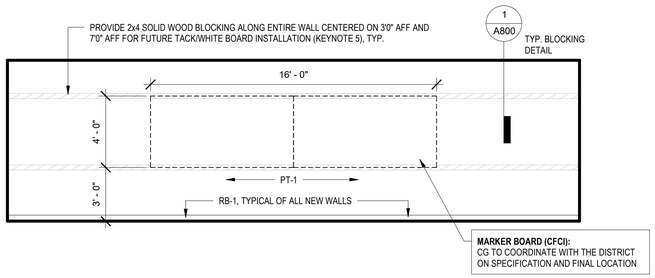
PT-2:
MANUFACTURER: RODDA PAINT
PRODUCT: MULTI MASTER DTM OR EQUAL
COLOR: TBD
LOCATIONS: DOOR FRAME

09 65 00 - RESILIENT FLOORING & BASE

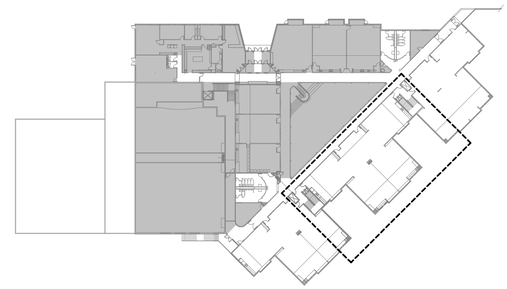
RB-1:
MANUFACTURER: FLEXCO
PRODUCT: WALLFLOWERS RUBBER COVE BASE
SIZE: 4"
COLOR: BROWN
LOCATIONS: ALL WALLS WHERE NEW PAINT IS APPLIED, TYPICAL



ENLARGED PLAN - TYPICAL CLASSROOM (1)
1/8" = 1'-0"



TYPICAL ELEVATION - CLASSROOM WALL (A)
1/4" = 1'-0"



KEYPLAN - UPPER LEVEL
1" = 60'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

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I. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

LEGEND - FLOOR PLANS

WALL TAG — 01 / EA — WALL TYPE PER ASSEMBLY; BRACING CONDITION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE — 102 — DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE — 34 / A — DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG — A — WINDOW TYPE - SEE SCHEDULE

KEY NOTE — 1 — KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

LIGHTING AND CEILING MATERIALS - LEGEND

FINISHES KEY. SEE FINISH SCHEDULE FOR TYPES

ACT-1: (24 x 48)

GWB: (SEE TYPE)

WALL BRACING KEY - REFER TO PARTITION DETAILS

- **COMPOSITE WALL TO PARTITION TRACK** - SEE WALL DETAIL C/A800.
- **BRACED WALL, BELOW GWB HEADER** - SEE WALL DETAIL B/A800.
- **BRACED WALL, BELOW TILE CEILING** - SEE WALL DETAIL A/A800.
- **EXISTING WALLS**

CEILING TAG

ACT-1 / 10'-0" — *CEILING TYPE - SEE SCHEDULE*; *CEILING HEIGHT AFF*

LIGHTING & FIXTURE KEY. SEE SPECIFICATIONS AND ELEVATIONS FOR DETAILS

LIGHTING TAG - SEE SCHEDULE

EXISTING TROFFER FIXTURE - 2 x 4

SWITCH LOCATION
D = DIMABLE
OS = OCCUPANCY SENSOR
3 = 3-WAY SWITCH

EXIT LIGHT (BATTERY BACKUP) - ARROW DESIGNATES DIRECTION

OUTLET LOCATION - ABOVE 96" CEILING

HVAC SYMBOLS. SEE MECHANICAL SHEETS AND SPECIFICATIONS FOR DETAILS

NOTE:
CONCTRACTOR TO REPLACE CEILING TILE AND GRID TO THE EXTENT REQUIRED TO ACCOMMODATE NEW DUCT WORK.

NEW RETURN GRILL

EXISTING SUPPLY DIFFUSER

EXISTING RETURN GRILL

HVAC ELEMENT TO BE DEMOLISHED

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ENLARGED PLAN - TYPICAL CLASSROOM

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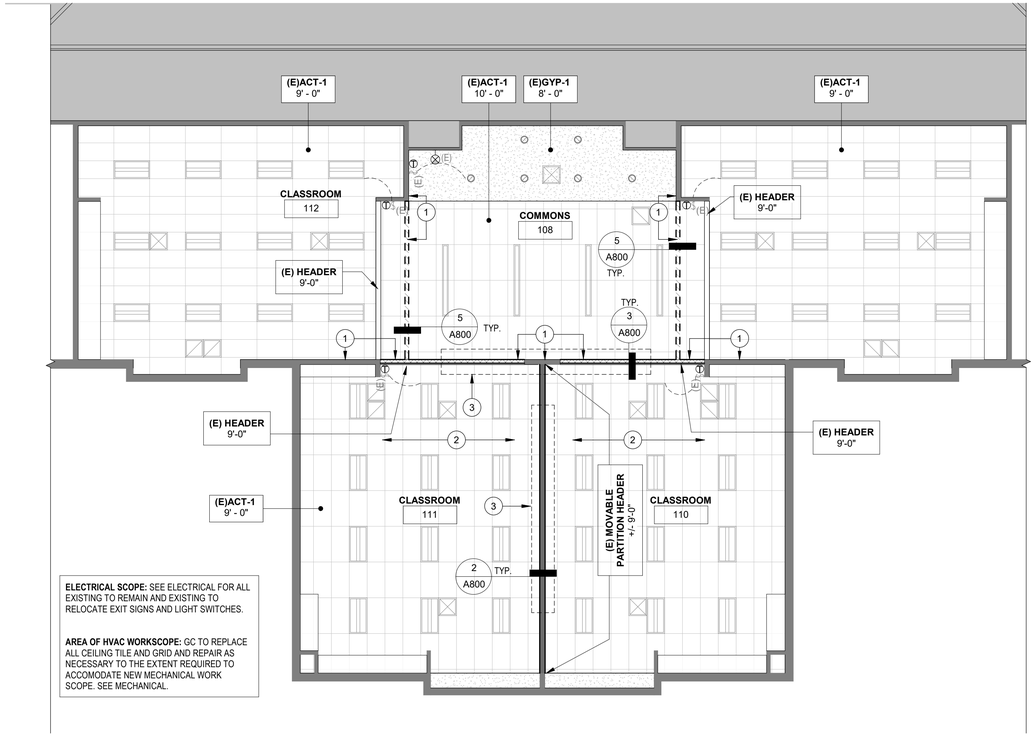
KEYED NOTES - RCP

1	ALIGN FACE OF FINISH.
2	AREA OF HVAC WORKSCOPE: NEW TERMINAL UNIT IN THIS AREA. SEE MECHANICAL FOR TYPICAL LOCATION.
3	GC TO PATCH BACK ALL PENETRATION AROUND NEW DUCTING AND/OR EXISTING PENETRATION FOLLOWING HVAC DEMOLITION. SEE MECHANICAL FOR TYPICAL LOCATION AND SCOPE.



TYPICAL ENLARGED CEILING PLAN 1
1/8" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLANS

A. LIGHTING SHOWN IS FOR DESIGN INTENT ONLY. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE LIGHTING SYSTEM THAT MEETS ALL LOCAL REGULATORY CODES. REFER TO G001 FOR DESIGN BUILD REQUIREMENTS, G101 FOR EMERGENCY LIGHTING REQUIREMENTS AND THE LOCAL ENERGY CODE FOR DAYLIGHT ZONE REQUIREMENTS.
   1. SPECIFICATION OF LUMENS AND/OR LIGHT LEVELS IS DESIGN/BUILD. IN GENERAL, PROVIDE LIGHT LEVELS TO MATCH THE ILLUMINATED ENGINEERING SOCIETY (IES) LIGHTING HANDBOOK RECOMMENDATIONS.
   2. CONFIRM AND PROVIDE EMERGENCY EGRESS LIGHTING OF A MINIMUM 1 FC AT ALL TIMES ALONG EGRESS PATHS. COORDINATE SWITCHING, GENERATOR POWER OR BATTERY BACKUP OF ALL LIGHT FIXTURES.

B. DESIGN REQUIREMENT FOR ALL CEILINGS MUST MEET THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE FOR SEISMIC CATEGORIES D, E & F, ASCE 7-02, OR-05, OR CISCA RECORDATION FOR SEISMIC ZONES 3 & 4 OR TO THE LOCAL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. SEE GENERAL NOTES ON A810 FOR DESIGN REQUIREMENTS.

C. COORDINATE ALL SWITCHING WITH OWNER FOR PREFERRED LOCATIONS.
   1. ALL OFFICES AND INDIVIDUAL ROOMS TO BE SWITCHED INDEPENDENTLY. PROVIDE AN OCCUPANCY SENSOR TO ALL ENCLOSED ROOMS.
   2. COORDINATE OPEN AREA SWITCHING WITH THE TENANT FOR PREFERRED LOCATIONS.
   3. COORDINATE FINAL LOCATION OF PENDANTS WITH FURNITURE. VERIFY LOCATION WITH OWNER OR DESIGNER PRIOR TO FINAL PLACEMENT.
   4. WHERE ACCENT LIGHTING IS DESIGNATED, SEPARATE SWITCHING IS PROPOSED AND DESIGNATED BY DASHED LINES WITHIN THIS DRAWING.

D. CENTER ALL FIXTURES AND SPRINKLER HEADS WITHIN CEILING TILES, ALIGN RECESSED FIXTURES AND SPRINKLER SYSTEMS.

E. CENTER ALL LIGHTING FIXTURES BETWEEN CEILING GRID OR ADJACENT WALLS, UNLESS INDICATED OTHERWISE.

F. WHERE LIGHTING FIXTURES ARE PROPOSED WITHIN ROOMS WITH AN OPEN CEILING, PROVIDE SUFFICIENT SUPPORT SUCH AS UNISTRUT OR TIE WIRES TO SUSPEND FIXTURES AT 9'-6" AFF UNLESS NOTED OTHERWISE.

G. WITHIN NON-ACT CEILINGS (I.E. HARDLID), PROVIDE THE FOLLOWING :

SPRINKLER HEADS:	FULLY CONCEALED, COLOR TO MATCH CEILING
HVAC GRILLS:	LINEAR DIFFUSERS AND RETURNS
ACCESS PANELS:	FULLY FLUSH RECESSED

H. WHERE CEILINGS RECEIVE A FINISH OTHER THAN WHITE PAINT OR MANUFACTURER'S ACT, PROVIDE WALL MOUNTED STROBES, HORNS, EGRESS SIGNS OR OTHER CODE REQUIRED ITEMS.

I. SEE SECTION 01 91 13 - GENERAL COMMISSIONING REQUIREMENTS FOR MECHANICAL AND CONTROL SCOPE TO BE COMMISSIONED.

LIGHTING AND CEILING MATERIALS - LEGEND

FINISHES KEY. SEE FINISH SCHEDULE FOR TYPES

ACT-1: (24 x 48) **GWB: (SEE TYPE)**

WALL BRACING KEY - REFER TO PARTITION DETAILS

COMPOSITE WALL TO PARTITION TRACK - SEE WALL DETAIL C/A800.

BRACED WALL, BELOW GWB HEADER - SEE WALL DETAIL B/A800.

BRACED WALL, BELOW TILE CEILING - SEE WALL DETAIL A/A800.

EXISTING WALLS

CEILING TAG

ACT-1 — *CEILING TYPE - SEE SCHEDULE*
10-0" — *CEILING HEIGHT AFF*

LIGHTING & FIXTURE KEY. SEE SPECIFICATIONS AND ELEVATIONS FOR DETAILS

LIGHTING TAG - SEE SCHEDULE

EXISTING TROFFER FIXTURE - 2 x 4

EXISTING LINEAR PENDANT - 96"

EXISTING RECESSED LIGHT

THERMOSTAT SEE MECHANICAL

SWITCH LOCATION

EXIT LIGHT (BATTERY BACKUP) EXISTING

NEW/RELOCATED

D = DIMABLE
OS = OCCUPANCY SENSOR
3 = 3-WAY SWITCH

OUTLET LOCATION - ABOVE 96" CEILING

HVAC SYMBOLS. SEE MECHANICAL SHEETS AND SPECIFICATIONS FOR DETAILS

NOTE:
CONCTRACTOR TO REPLACE CEILING TILE AND GRID TO THE EXTENT REQUIRED TO ACCOMMODATE NEW DUCT WORK.

NEW RETURN GRILL

EXISTING SUPPLY DIFFUSER

EXISTING RETURN GRILL

HVAC ELEMENT TO BE DEMOLISHED

HBX STUDIO
HBX-STUDIO.COM
810 SE SALMON ST, SUITE 960, PORTLAND, OREGON 97214

REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - FINDLEY ELEMENTARY SCHOOL
4155 NW SALTZMAN RD
PORTLAND OR 97229

PERMIT

PROJECT: 21005.02
DATE: 11/10/2022

ENLARGED TYPICAL CEILING PLAN

A221

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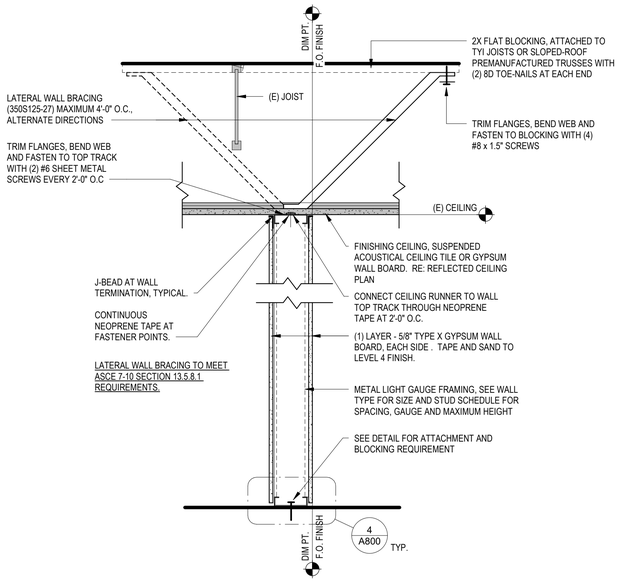
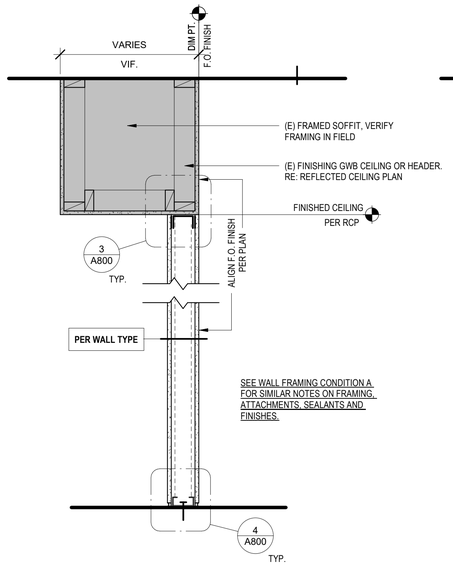
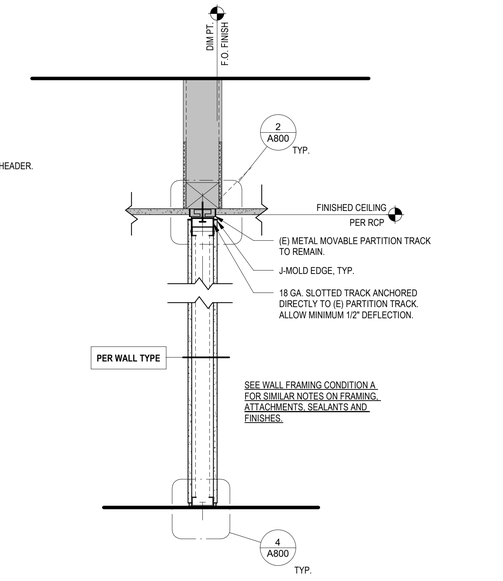


BRACED WALL @ (E) ACT A
1" = 1'-0"



BRACED WALL @ (E) SOFFIT/HEADER B
1" = 1'-0"

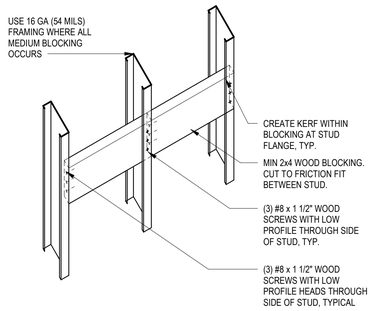


BRACED WALL @ (E) PARTITION TRACK C
1" = 1'-0"

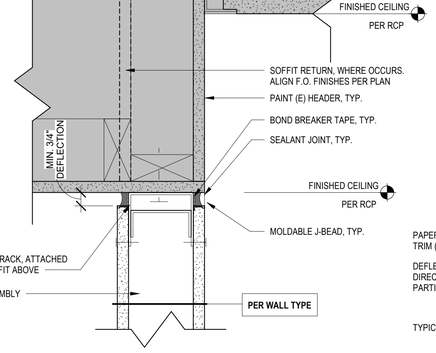
BLOCKING NOTES:

1. CONTRACTOR TO COORDINATE WOOD BLOCKING WITH LOCATIONS OF ALL EQUIPMENT OR DEVICES
2. EXTEND WOOD BLOCKING ACROSS A MINIMUM OF (3) STUDS, EXTEND FOR FULL LENGTH OF INFILL WALLS U.N.O.
3. EXTEND WOOD BLOCKING TO MINIMUM ONE STUD BEYOND EXTENT OF CABINETRY OR WALL-HUNG EQUIPMENT
4. KERF WOOD BLOCKING AT STUD FLANGE TO ALIGN F.O. BLOCKING WITH F.O. METAL STUD

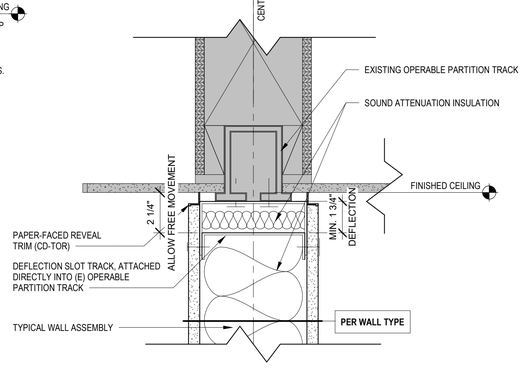
NOTE: CONTRACTOR OPTION TO USE SCAFCO KB- WALL SUPPORT BACKING (KWIK-BACK) BRACKET OR APPROVED EQUAL PER MANUFACTURER INSTRUCTIONS IN LIEU OF DETAIL BELOW.



PARTITION - BLOCKING 1
1" = 1'-0"



WALL HEADER AT (E) SOFFIT 3
3" = 1'-0"



WALL HEADER AT PARTITION TRACK 2
3" = 1'-0"

NON-LOADBEARING WALL FRAMING SCHEDULE[3]:

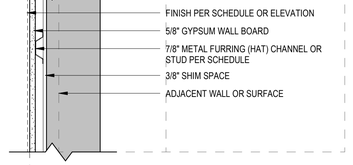
STUD SIZE	SECTION	SPACING (O.C)	MAXIMUM HEIGHT - L/240 @ 10 PSF COMPOSITE [1]	NON-COMPOSITE [2]
2 1/2"	250S125-18	16" O.C.	10' - 0"	N/A
	250S125-18	24" O.C.	8' - 2"	N/A
	250S125-33	16" O.C.	13' - 3"	9' - 6"
	250S125-33	24" O.C.	9' - 10"	8' - 4"
3 5/8"	362S125-18	16" O.C.	11' - 5"	8' - 0"
	362S125-18	24" O.C.	9' - 4"	N/A
	362S125-33	16" O.C.	13' - 10"	12' - 6"
	362S125-33	24" O.C.	11' - 11"	10' - 2"
6"	600S125-18	16" O.C.	14' - 2"	8' - 7"
	600S125-18	24" O.C.	N/A	N/A
	600S125-33	16" O.C.	22' - 3"	13' - 10"
	600S125-33	24" O.C.	17' - 8"	12' - 1"

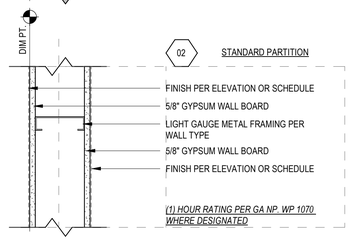
[1] COMPOSITE WALL CONSRUCTION REQUIRES A SINGLE LAYER OF 5/8" TYPE X GWB INSTALLED IN VERTICAL ORIENTATION TO BOTH SIDES OF THE WALL.

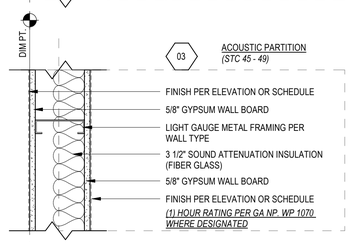
[2] NON-COMPOSITE WALL CONSRUCTION REQUIRES FULL BRACING EVERY 48" O.C. AT OR BELOW MAXIMUM HEIGHT.

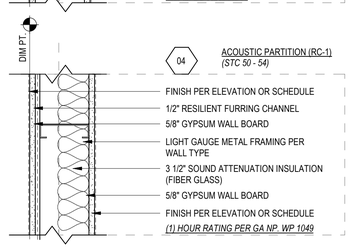
[3] PER SSMA TABLES PUBLISHED BY SCAFCO. CONSULT TABLE FOR MAXIMUM HEIGHT SPANS FOR CONDITIONS NOT LISTED IN TABLE ABOVE.

NOTE: EQ STUDS ARE NOT ACCEPTABLE PER DISTRICT STANDARD







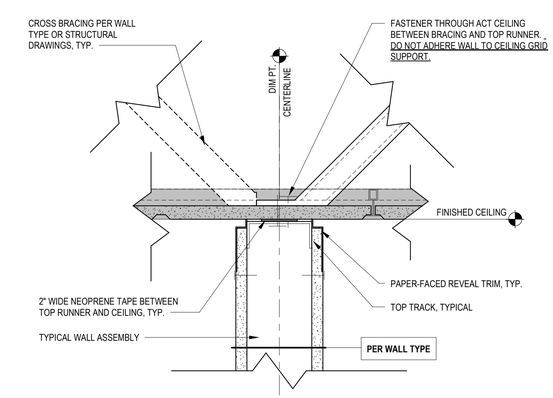


PARTITION TYPES
1 1/2" = 1'-0"

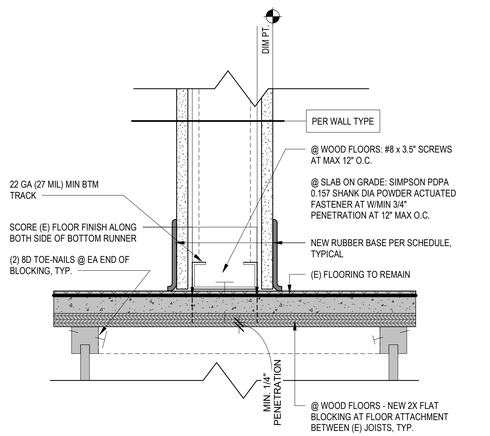
STEEL STUD NON-BRC WALL HEADER SCHEDULE

WALL HEIGHT	STUD WIDTH	OPENING WIDTH (TOP & BOTTOM TRACKS) <=6'-0"	<=8'-0"	<=10'-0"	<=12'-0"	<=14'-0"
<=8'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP / 350T125-43 BOT	350T125-33 TOP / 350T125-43 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=10'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP / 350T125-43 BOT	350T125-33 TOP / 350T125-54 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=12'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP / 350T125-43 BOT	350T125-33 TOP / 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B*
<=14'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B*	350T125-33 TOP / 350T125-43 BOT*	350T125-33 TOP / 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B*	550T125-33 T&B*	550T125-43 T&B**

NOTES:
[1] HEADER HEIGHT ASSUMED >= 6'-0" AND <= 10'-0"
[2] OPENINGS ASSUMED WITH 4-WAY PRESSURE DISTRIBUTION
[3] PROVIDE #8 SMS AT 12" OC FROM TRACKS TO S-SECTIONS AS SHOWN
[4] VERTICAL S-SECTIONS TO BE DBL 400S125-33 MIN EXCEPT WHERE DENOTED (*) USE DBL 400S162-43 MIN AND (**) USE DBL 400S162-54 MIN



WALL HEADER AT (E) ACT 5
3" = 1'-0"



(N) PARTITION BASE 4
3" = 1'-0"

GENERAL NOTES - PARTITIONS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. PLAN DIMENSION ARE TO THE FINISHED FACE OF PARTITION ASSEMBLY, CENTERLINE OF STRUCTURAL COLUMN, OR TO FACE OF CONCRETE OR CONCRETE MASONRY UNLESS NOTED OTHERWISE.

C. PROVIDE 5/8" GYPSUM WALL BOARD (GWB), EACH SIDE, ON LIGHT GAUAGE METAL FRAMING AT 16" O.C. AS TYPICAL PARTITION UNLESS NOTED OTHERWISE.

D. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL DESIGNATED WET AREAS DEFINED AS 2'-0" BEYOND THE EXTENTS OF THE EDGE ALL PLUMBING FIXTURES, THE BOTTOM 2'-0" ABOVE SLAB IN RESTROOMS AND JANITORS CLOSETS AND OTHER OR AREAS PRONE TO EXPOSED WATER.

E. PROVIDE 5/8" DENSHEILD - TYPE X OR APPROVED EQUIPMENT BEHIND ALL CERAMIC TILE INSTALLATIONS.

F. SOUND ATTENUATION BLANKET TO BE 3 1/2" IN THICKNESS UNLESS OTHERWISE NOTED OR AS PRESCRIBED IN A UL RATED ASSEMBLY.

G. PROVIDE ACOUSTICAL SEALANT AT JOINTS AND PERIMETER OF ALL TYPICAL WALLS, PROVIDE FIRE RATED SEALANT AT ALL FIRE RATED WALLS.

H. MAINTAIN THE LISTED STC RATING AND ACOUSTICAL PERFORMANCE OF ALL PARTITIONS. CAULK ALL PENETRATIONS AND WHEN RETURN AIR PLENUMS ARE PROPOSED, PROVIDE AND INSTALL A STAGGERED AND LINED DUCT ELBOW.

I. SEE FIRE LIFE SAFETY (FLS) PLAN FOR LOCATIONS OF RATED ASSEMBLIES.

J. NOTIFY THE ARCHITECT IN WRITING BETWEEN DISCREPENCIES BETWEEN LISTED UL OR GA RATED ASSEMBLIES, COMPONANTS DEPICTED WITHIN THIS DRAWING SET AND ASSOCAITED STC TESTS.

K. PROVIDE LABELED GYPSUM WALL BOARD AT FIRE RATED PARTITIONS.

L. PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

M. FIRE RATED AND SMOKE ASSEMBLY PARTITIONS AND BARRIERS TO EXTENT TO THE UNDERSIDE OF STRUCTURE UNLESS NOTED OTHERWISE.

N. FRAME AROUND BEAMS AND OTHER STRUCTURAL ELEMENTS WHEN THEY OCCURE WITHIN THE SPACE OF A FIRE RATED OR ACOUSTICAL PARTITION.

O. ALL PARTITIONS ARE NON-LOAD BEARING UNLESS OTHERWISE NOTED. REFERENCE STRUCTURAL DRAWINGS FOR LOAD BEARING PARTITION ASSEMBLIES.

P. PROVIDE CONNECTIONS TO EXISTING STRUCTURE THAT ISOLATE NON-LOAD BEARING WALLS FROM STRUCTURAL MOVEMENT. PROVIDE DEFLECTION TRACKS AT THE TOPS OF ALL PARTITIONS AND SLOTTED CONNECTIONS AT INTERMEDIATE STRUCTURES.

LEGEND - FLOOR PLANS

WALL TAG — BT / E/A — WALL TYPE PER ASSEMBLY; BRACING CONDTION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE — 102 — DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE — 34 A — DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG — A — WINDOW TYPE - SEE SCHEDULE

KEY NOTE — 1 — KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

HBX STUDIO
HBX-STUDIO.COM
833 SW 11TH AVE, SUITE 940, PORTLAND, OREGON 97205

REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - FINDLEY ELEMENTARY SCHOOL
4155 NW SALTZMAN RD
PORTLAND OR 97229
PERMIT

PROJECT: 21005.02
DATE: 11/10/2022

TYPICAL PARTITION DETAILS
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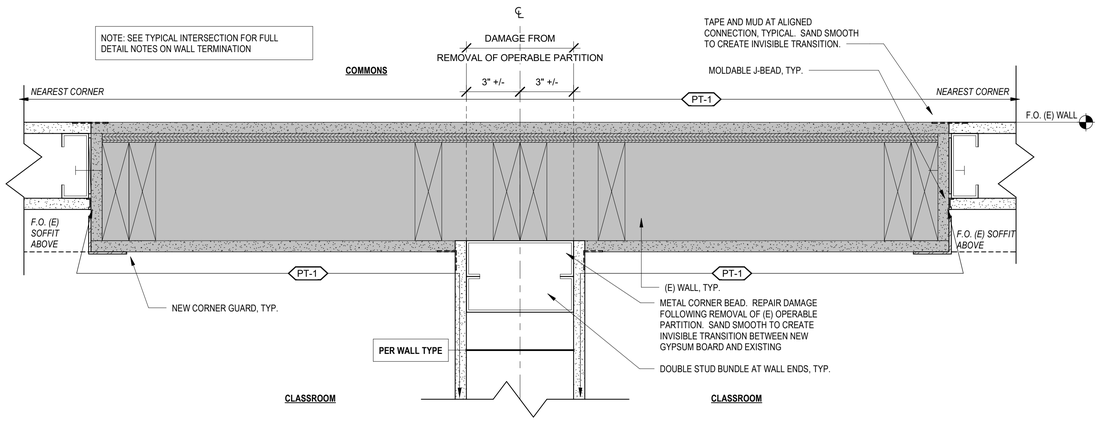
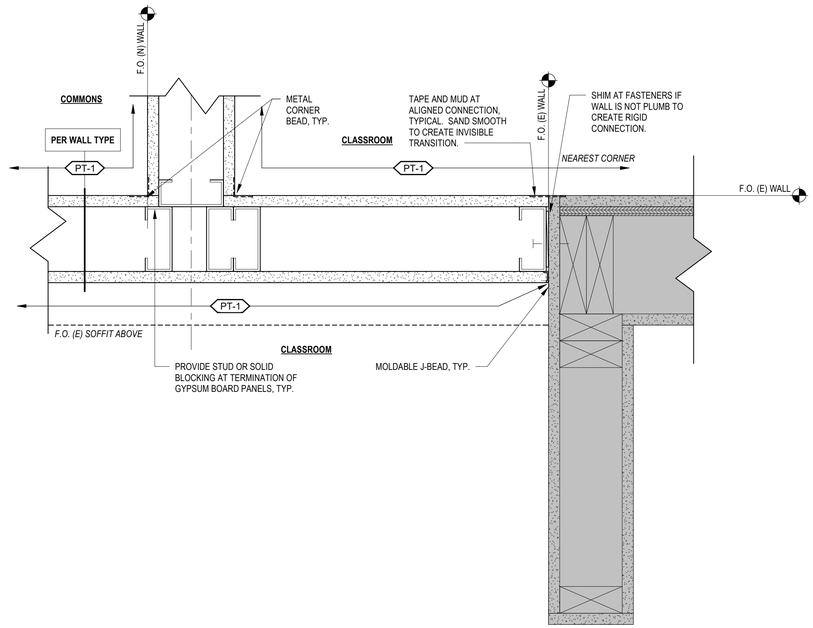


TYPICAL WALL - OPERABLE PARTITION REPAIR 2

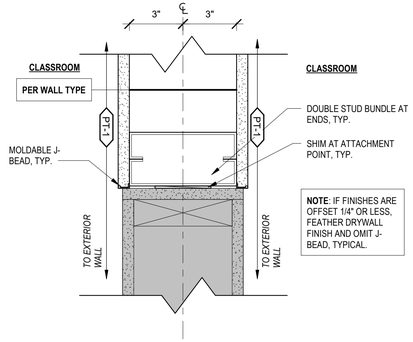
3" = 1'-0"



TYPICAL WALL - PERPENDICULAR INTERSECTION 1

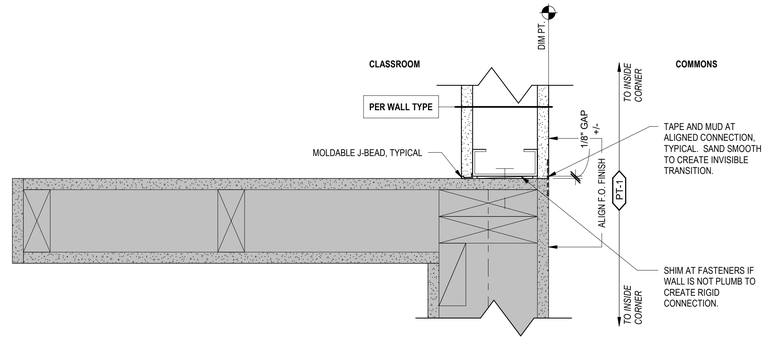
3" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION



TYPICAL WALL - OPERABLE PARTITION REPAIR @ EXTERIOR 4

3" = 1'-0"



TYPICAL WALL - NEW WALL @ (E) WING WALL 3

3" = 1'-0"

HBX STUDIO
HBX-STUDIO.COM
833 SW SALMON ST, SUITE 940, PORTLAND, OREGON 97204

REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - FINDLEY ELEMENTARY SCHOOL
4155 NW SALTZMAN RD
PORTLAND OR 97229

PERMIT

PROJECT: 21005.02
DATE: 11/10/2022

TYPICAL PARTITION DETAILS

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GENERAL NOTES - PROJECT SIGANGE

A. COORDINATE ALL SIGNAGE WITHIN THE PROJECT, INCLUDING CODE REQUIRED SIGNAGE, WITH EXISTING BUILDING SIGNAGE OR WITH CURRENT DISTRICT STANDARDS.

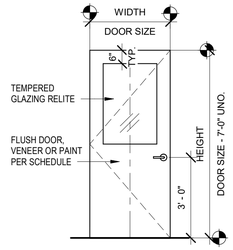
B. CODE REQUIRED SIGNAGE, SUCH AS STAIRWAY SIGNAGE AND ACCESSIBLE PARKING SIGNAGE, TO BE PROCURED AND INSTALLED BY THE GENERAL CONTRACTOR. PROVIDE DETAILED INFORMATION ON SIZE, FONT AND COLOR WITHIN A SUBMITTAL FOR ARCHITECT AND OWNER REVIEW.

C. ROOM SIGNAGE IS CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED. COORDINATE EXTENTS AND LOCATION WITH OTHER WALL MOUNTED ITEMS. PROVIDE AN ALLOWANCE FOR THE PATCH AND REPAIR OF EXISTING WALLS WHERE EXISTING SIGANGE IS RELOCATED OR REPLACED.

(E) SIGNAGE - FINDLEY ELEMENTARY - FOR REFERENCE ONLY

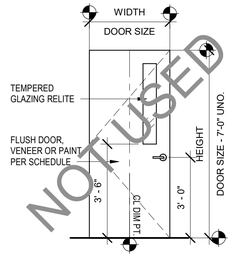
EXISTING DOOR AT COMMONS, GENERAL CONTRACTOR TO MATCH RELITE AND WOOD GRAINING.

NOTE: MATCH EXISTING DOOR RELITE SIZES, WOOD GRAIN, STAIN AND GENERAL LOOK OF DOORS WITHIN EXISTING LOCATIONS. PROVIDE PHOTOGRAPH OF EXISTING DOOR WITHIN DOOR SUBMITTAL.



HL - HALF LITE

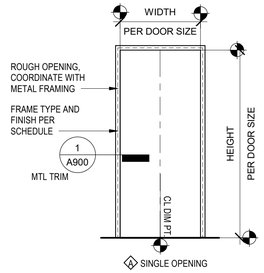
NANCY RYLES
FINDLEY
SCHOLLS HEIGHTS



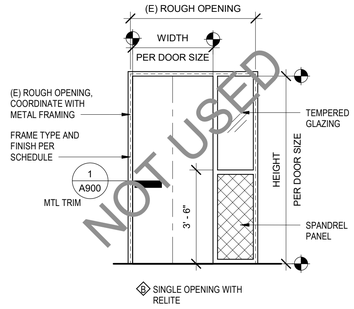
NL - NARROW LITE

JACOB WISMER

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



A SINGLE OPENING

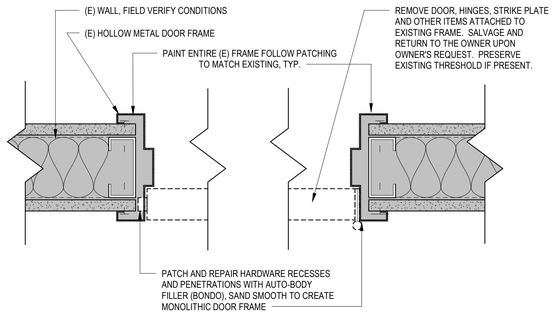


B SINGLE OPENING WITH RELITE

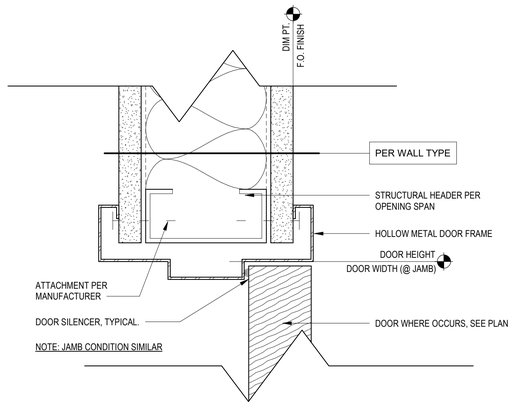
FRAME TYPES
3/8" = 1'-0"

DOOR SCHEDULE

DOOR TYPE	COUNT	FINISHED SIZE		FRAME						DOOR				HARDWARE GROUP	NOTES
		WIDTH	HEIGHT	TYPE	FIRE RATING	MATERIAL	FINISH	TRIM MATERIAL	TRIM FINISH	TYPE	THICKNESS	MATERIAL	FINISH		
HL/A	20	3' - 0"	7' - 0"	A	N/A	HM	PT	STL	PT	HL	1 3/4"	WD	TS	2	MATCH EXISTING CLASSROOM DOOR RELITE, GRAINING AND FINISH. PROVIDE NEW BLIND AT RELITE TO MATCH (E) BUILDING STANDRD CONTRACTOR TO VERIFY THE FINAL DOOR COUNT.



OPENING - (E) FRAME REPAIR 2
3" = 1'-0"



OPENING - HEAD/JAMB - HOLLOW METAL 1
6" = 1'-0"

GENERAL NOTES - DOORS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. DIMENSIONS SHOWN FOR DOORS AND WINDOWS ARE TYPICALLY FINISHED OPENING DIMENSIONS. COORDINATE ROUGH OPENING DIMENSIONS PER MANUFACTURER RECOMMENDATIONS WITH SELECTED OPENING.

C. EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR FORCE.

D. THE MAIN EXIT TO DOOR TO HAVE SIGNAGE ABOVE THE DOOR READING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

E. ALL NEW DOORS TO BE SOLID WOOD, PAINT GRADE UNLESS NOTED OTHERWISE.

F. PROVIDE NEW ADA LEVER STYLE DOOR HARDWARE TO MATCH BUILDING STANDARD. *(SCHLAGE 'ND', SERIES, RHODES STYLE)*

G. ALL NEW FRAMES TO BE FULLY WELDED UNLESS NOTED OTHERWISE. *(CURRIES 16 GA.)*

H. PROVIDE TEMPERED GLAZING IN ALL DOORS AND RELITES UNLESS NOTED OTHERWISE.

I. REFER TO ELEVATIONS FOR DOOR AND FRAME PAINT FINISH WHERE PAINT IS USED.

MATERIAL LEGEND

(E)	EXISTING	**WD**	WOOD - SOLID CORE
GL	GLASS - TEMPERED	**HC**	WOOD - HOLLOW CORE
MDF	MDF - TRIM	**MTL**	METAL - SOLID CORE
MFR	MANUFACTURER'S FINISH	**STL - KD**	STEEL FRAME - KNOCKDOWN
PT	PAINT	**HM**	HOLLOW METAL FRAME
TS	TRANSPARENT STAIN	**ALUM**	ALUMINUM STOREFONT

HARDWARE GROUPS

BASIS OF DESIGN PRODUCTS: *CONTRACTOR TO SUBMIT COMPLETE HARDWARE GROUPS BASED ON BASIS OF DESIGN PRODUCTS AND HARDWARE DESIGN DIRECTION BELOW.*

ALL NEW HARDWARE TO BE SATIN CHROME (US26D), UNO.

DOOR FRAMES:	*CURRIES 16 GA FULLY WELDED - EQUAL RABBIT*
LEVER HARDWARE SETS:	*SCHLAGE ND SERIES VANDLGARD, "RHODES"*
CORES:	*SCHLAGE FULL SIZE INTERCHANGEABLE (FSIC) CYLINDERS*
HINGES:	*IES HW 4.5" X 4.5" NRP*
PANIC BARS:	*VON DUPRIN EL 99 OR XP99*
CLOSERS:	*LCN 4010 (INWARD SWING), LCN 4111 (OUTWARD SWING)*
STOPS:	*BHMA 626, IVES OR EQUAL*
KICK PLATE:	*STAINLESS STEEL, FULL WIDTH*

GROUP 1: **COMMONS (PANIC HARDWARE)**
(3) PAIR BUTTS - 4 1/2"
PANIC HARDWARE
CLOSER
WALL STOP TYPICAL UNO.
SILENCER
KICK PLATE

GROUP 2: **CLASSROOM**
(3) PAIR BUTTS - 4 1/2"
LEVER SET - "CLASSROOM" TYPE
WALL STOP TYPICAL UNO.
SILENCER
KICK PLATE

HBX STUDIO
HBX-STUDIO.COM
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REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - FINDLEY ELEMENTARY SCHOOL

4155 NW SALTZMAN RD
PORTLAND OR 97229

PERMIT

PROJECT: 21005.02
DATE: 11/10/2022

DOORS, FRAMES, HARDWARE SCHEDULE & TYPICAL OPENING DETAILS

A900

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ABBREVIATIONS

AC	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AH	AIR HANDLER (SPLIT REFRIG)
AHU	AIR HANDLING UNIT
AL	ACOUSTICAL LINING
AP	ACCESS PANEL
BB	ELECTRIC BASEBOARD RADIATION
B	BOILER
BDD	BACK DRAFT DAMPER
BFC	BELOW FINISHED CEILING
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
C	CHILLER
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CHWP	CHILLED WATER PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CO	CLEAN OUT
CP	CONDENSATE PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CVB	CONSTANT VOLUME BOX
CWP	CONDENSER WATER PUMP
DB	DRY BULB
DS	DUCT SILENCER
DWP	DOMESTIC WATER PUMP
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EJ	EXPANSION JOINT
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EWC	ELECTRIC WATER COOLER
FA	FREE AREA
FX	FLEXIBLE CONNECTION
FC	FAN COIL UNIT
FD	FIRE DAMPER
FLR	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FOP	FUEL OIL PUMP
FP	FIRE PUMP
FPM	FEET PER MINUTE
FTR	FINNED TUBE RADIATION
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HAND DAMPER
HP	HEAT PUMP
HV	HEATING AND VENTILATING UNIT
HWC	HOT WATER CONVERTER
HWP	HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
ID	INSIDE DIAMETER
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
LD	LINEAR DIFFUSER
LF	LINEAR FEET
MC	MECHANICAL CONTRACTOR
MTD	MOUNTED
MOD	MOTOR OPERATED DAMPER
MUA	MAKE-UP AIR UNIT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NIC	NOT IN CONTRACT
NK	NECK
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OAT	OUTSIDE AIR TEMPERATURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OBD	OPPOSED BLADE DAMPER
PBD	PARALLEL BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RCP	REFLECTED CEILING PLAN
RHC	REHEAT COIL
RF	RETURN FAN
SA	SUPPLY AIR
SAR	SUPPLY AIR REGISTER
SCG	SMOKE CONTROL GRILLE
SD	SMOKE DAMPER
SEF	SMOKE EXHAUST FAN
SF	SUPPLY FAN
SP	STATIC PRESSURE
TG	TRANSFER GRILLE
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
VAV	VARIABLE AIR VOLUME UNIT
VD	VOLUME DAMPER
VTR	VENT THRU ROOF
WB	WET BULB
WMS	WIRE MESH SCREEN

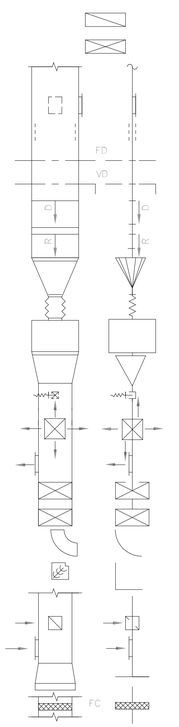
HVAC CONTROL SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GATE VALVE	T	ROOM OR ZONE THERMOSTAT
	GLOBE VALVE	T	DUCT THERMOSTAT
	GAS COCK		THERMOMETER
S	SOLENOID VALVE		EXPANSION VALVE
	CONTROL VALVE , 2-WAY	DM	DAMPER MOTOR
PRV	PRESSURE REDUCING VALVE		DAMPER
	CHECK VALVE	M	MOTOR
	CENTRIFUGAL FAN		PLUG VALVE
F	FLOW SWITCH		PRESSURE GAGE
FS	FIRE SAFETY SWITCH	P	PRESSURE SWITCH
H	HUMIDISTAT, ROOM		PUMP
H	HUMIDISTAT, DUCT	R	RELAY
	BALL VALVE		PRESS./TEMP. RELIEF VALVE
	CONTROL VALVE , 3-WAY	SD	SMOKE DETECTOR
F	FLOW SWITCH		CONTROL WIRING
	STEAM TRAP		STATIC PRESSURE CONTROLLER

PIPING SYSTEM SYMBOLS

HWS	HEATING WATER SUPPLY
HWR	HEATING WATER RETURN

DUCTWORK SYMBOLS



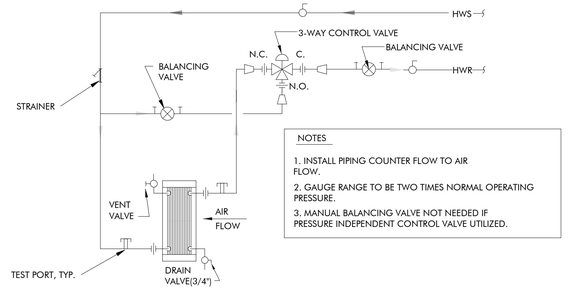
- SECTION THROUGH RETURN OR EXHAUST AIR
- SECTION THROUGH SUPPLY OR OUTSIDE AIR DUCT
- SUPPLY OR OUTSIDE AIR DUCT
- ACCESS DOOR (BOTTOM OR SIDE)
- ACOUSTICALLY LINED DUCT
- DAMPER, FIRE
- DAMPER, MANUAL VOLUME
- INCLINED DROP IN DIRECTION OF ARROW
- INCLINED RISE IN DIRECTION OF ARROW
- TRANSITION, RECTANGULAR TO ROUND
- FLEXIBLE DUCT
- IN-LINE FAN
- TRANSITION, RECTANGULAR
- SPIN-IN COLLAR INTO ADAPTER ON TOP OF DUCT
- CEILING SUPPLY AIR DIFFUSER (CD)
- SIDEWALL SUPPLY GRILLE (SG)
- ELBOW TURNED DOWN
- ELBOW TURNED UP
- ELBOW, RADIUS TYPE
- ELBOW, SQUARE OR RECTANGULAR TYPE WITH AIRFOIL TURNING VANES
- RETURN OR EXHAUST AIR DUCT
- CEILING RETURN AIR GRILLE (CRG)
- SIDEWALL RETURN AIR GRILLE (RG)
- OPEN END DUCT
- FLEXIBLE CONNECTION

TERMINAL UNIT SCHEDULE

SYMBOL	AREA SERVED	CFM MAX	CFM MIN	MAX. PRESS. DROP	MAX. "NC" AT 2 IN. S.P.	HEATING AIRFLOW (CFM)	INLET SIZE (IN.)	CONTROL VALVE TWO WAY	CONTROL VALVE THREE WAY	HEATING WATER FLOW (GPM)	HEATING WATER EWT (°F)	HEATING WATER CAP. (MBH)	REMARKS
TU-7A	CLASSROOM 134	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-7B	CLASSROOM 133	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-7C	CLASSROOM 132	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-8A	CLASSROOM 111	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-8B	CLASSROOM 110	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-8C	CLASSROOM 109	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-8D	CLASSROOM 108	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-9A	CLASSROOM 106	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-9B	CLASSROOM 105	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-9C	CLASSROOM 104	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-17A	CLASSROOM 248	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-17B	CLASSROOM 247	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-17C	CLASSROOM 246	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-18A	CLASSROOM 219	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-18B	CLASSROOM 218	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-18C	CLASSROOM 217	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-18D	CLASSROOM 216	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-19A	CLASSROOM 214	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-19B	CLASSROOM 213	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2
TU-19C	CLASSROOM 212	1,400	700	0.25	35	700	12		X	1.3	180	30.5	1, 2

REMARKS
1. BASIS OF DESIGN: TITUS DESV, EAT = 55 DEGREES F
2. PROVIDE WITH NEOPRENE ISOLATED HANGERS.

VAV TERMINAL UNIT (ALL TUS SCHEDULED) POINTS LIST					
Airflow	X				
Discharge Air Temp	X				
Zone Setpoint Adjust	X				
Zone Temp	X				
HW Valve		X			
Zone Damper		X			



3 HW COIL 3 WAY CONTROL VALVE PIPING DETAIL
NO SCALE

GENERAL MECHANICAL NOTES:

A. INSTALL EQUIPMENT TO PROVIDE SERVICE CLEARANCE AS RECOMMENDED BY THE MANUFACTURER, AND AS REQUIRED BY CODE AND LOCAL INSPECTOR. PROVIDE CLEAR LABELING OF FILTER PANELS TO VERIFY ADEQUATE ACCESS FOR MAINTENANCE.

B. TEST HVAC CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS TO ENSURE THEY ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF THE TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER PRIOR TO OCCUPANCY.

C. PROVIDE RECORD DRAWINGS OF ACTUAL INSTALLATION WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE TO BUILDING OWNER. PROVIDE OPERATING AND MAINTENANCE MANUAL CONTAINING SUBMITTAL DATA AND OTHER INFORMATION REQUIRED BY SPECIFICATIONS AND ENERGY CODE.

D. COORDINATE FINAL LOCATION OF EQUIPMENT, DUCTS, DIFFUSERS, AND GRILLES WITH STRUCTURE, REFLECTED CEILING PLANS, AND THE LIGHTING LAYOUT PRIOR TO ROUGH-IN.

E. PROVIDE ROOF CURBS FOR EQUIPMENT REQUIRING A ROOF PENETRATION, AND PROVIDE EQUIPMENT SUPPORTS FOR ROOF MOUNTED EQUIPMENT NOT REQUIRING A PENETRATION. COORDINATE ROOF CURBS AND SUPPORTS WITH ROOFING SYSTEM, AND SEISMICALLY ATTACH EQUIPMENT TO CURB AND STRUCTURE.

F. PROVIDE VOLUME DAMPERS IN BRANCH DUCTS TO SUPPLY, EXHAUST, AND RETURN GRILLES, AND LOCATE DAMPERS AS CLOSE TO BRANCH CONNECTION AS POSSIBLE. PROVIDE CONCEALED DAMPER OPERATOR IN LOCATIONS WHERE DAMPER IS INACCESSIBLE.

G. ALL DUCTWORK TO BE MINIMUM 24 GAUGE SHEET METAL WHEN TRAVELLING BETWEEN RATED OCCUPANCY SEPARATIONS, AREA SEPARATIONS, OR OVER RATED EXIT CORRIDORS AND PASSAGEWAYS.

H. MOUNT ALL SENSORS, SWITCHES, AND THERMOSTATS PER ARCHITECTURAL DETAILS.

I. TRANSITION FROM DUCT SIZES SHOWN TO DIFFUSER NECK SIZES SHOWN A MINIMUM OF 2 FEET BEFORE OUTLET, OR INSTALL A DUCT THE SAME SIZE AS THE GRILLE NECK, AT CONTRACTOR'S OPTION.

J. ANCHOR ALL MECHANICAL UNITS IN EXCESS OF 400 LBS. TO STRUCTURE, AND PROVIDE THE DESIGN OF THIS ANCHORAGE AS A DEFERRED SUBMITTAL IN ACCORDANCE WITH THE DIVISION 23 SPECIFICATIONS. PROVIDE A SEISMIC BRACING DESIGN FOR ANY SUSPENDED APPLIANCE OR PIECE OF EQUIPMENT WEIGHING 20 LBS. OR MORE AS WELL. ALL DRAWINGS AND CALCULATIONS SUBMITTED FOR THIS WORK SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OREGON.

K. CONSTRUCT AND SEAL ALL DUCTWORK PER IMC REQUIREMENTS. ALL DUCTWORK ON THIS PROJECT FALLS UNDER THE LOW PRESSURE CLASSIFICATION.

L. INTEGRATE NEW TERMINAL UNITS INTO EXISTING BUILDING/DISTRICT CONTROLS SYSTEM. PROVIDE NECESSARY NEW CONTROLS DEVICES AS NECESSARY TO INCORPORATE TERMINAL UNITS POINTS SCHEDULED BELOW. SEE SPEC 23 09 23 FOR ADDITIONAL INFORMATION. APPLY EXISTING TERMINAL UNIT SEQUENCE OF OPERATIONS TO ALL NEW TERMINAL UNITS.

M. ALL DEMOLITION, RELOCATION AND INSTALLATION OF CONTROL WIRING AND DEVICES TO BE COMPLETED BY LICENSED CONTROLS CONTRACTOR.

N. PATCH ANY OPENINGS CREATED WHERE DUCTWORK IS DEMOLISHED IF PARTITION CONTINUES ABOVE CEILING.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

MECHANICAL SHEET LIST

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ANDREW CHARLES CRAIG
EXPIRES: 12-31-23

REVISIONS:

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CLASSROOM WALLS PHASE 3 - FINDLEY ELEMENTARY SCHOOL
4155 NW SALTZMAN RD
PORTLAND, OR 97229
PERMIT SET

PROJECT: 21005.02
DATE: 11/10/22

GENERAL NOTES AND ABBREVIATIONS

M001

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SHEET KEYNOTES

1 FOR THIS CLASSROOM BLOCK, EXISTING TERMINAL UNIT SERVING (3) CLASSROOMS TO BE REPLACED WITH (3) INDIVIDUAL TERMINAL UNITS AS SCHEDULED ON SHEET M001. SEE SHEET M124 FOR TYPICAL EXAMPLE OF WORK.

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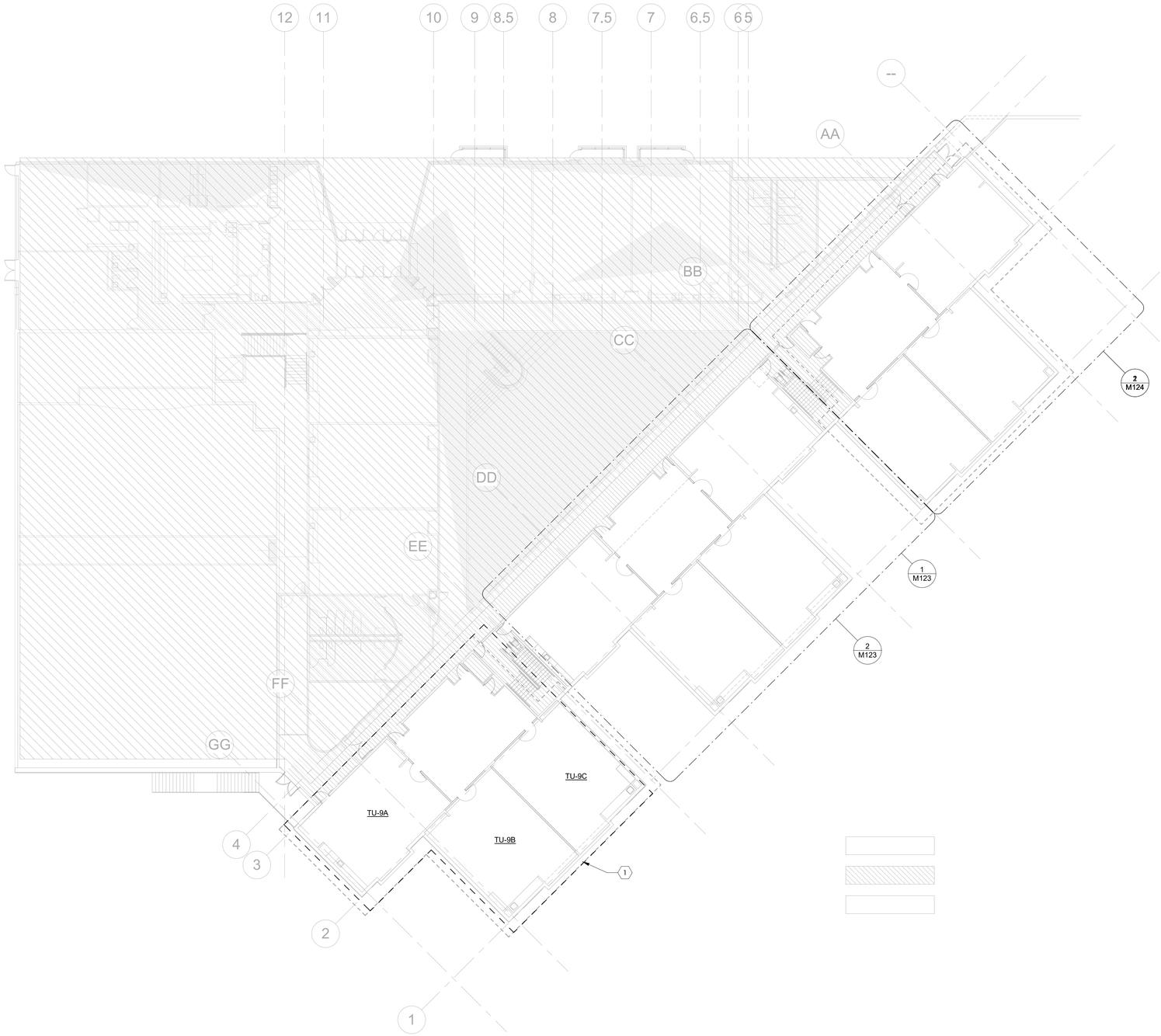

1 FLOOR PLAN - LOWER LEVEL - HVAC
1/16" = 1'-0"

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OVERALL FLOOR PLAN - LOWER LEVEL - HVAC

M121

SHEET KEYNOTES

1 FOR THIS CLASSROOM BLOCK, EXISTING TERMINAL UNIT SERVING (3) CLASSROOMS TO BE REPLACED WITH (3) INDIVIDUAL TERMINAL UNITS AS SCHEDULED ON SHEET M001. SEE SHEET M124 FOR TYPICAL EXAMPLE OF WORK.

2 FOR THIS CLASSROOM BLOCK, EXISTING TERMINAL UNIT SERVING (4) CLASSROOMS TO BE REPLACED WITH (4) INDIVIDUAL TERMINAL UNITS AS SCHEDULED ON SHEET M001. SEE SHEET M123 FOR TYPICAL EXAMPLE OF WORK.

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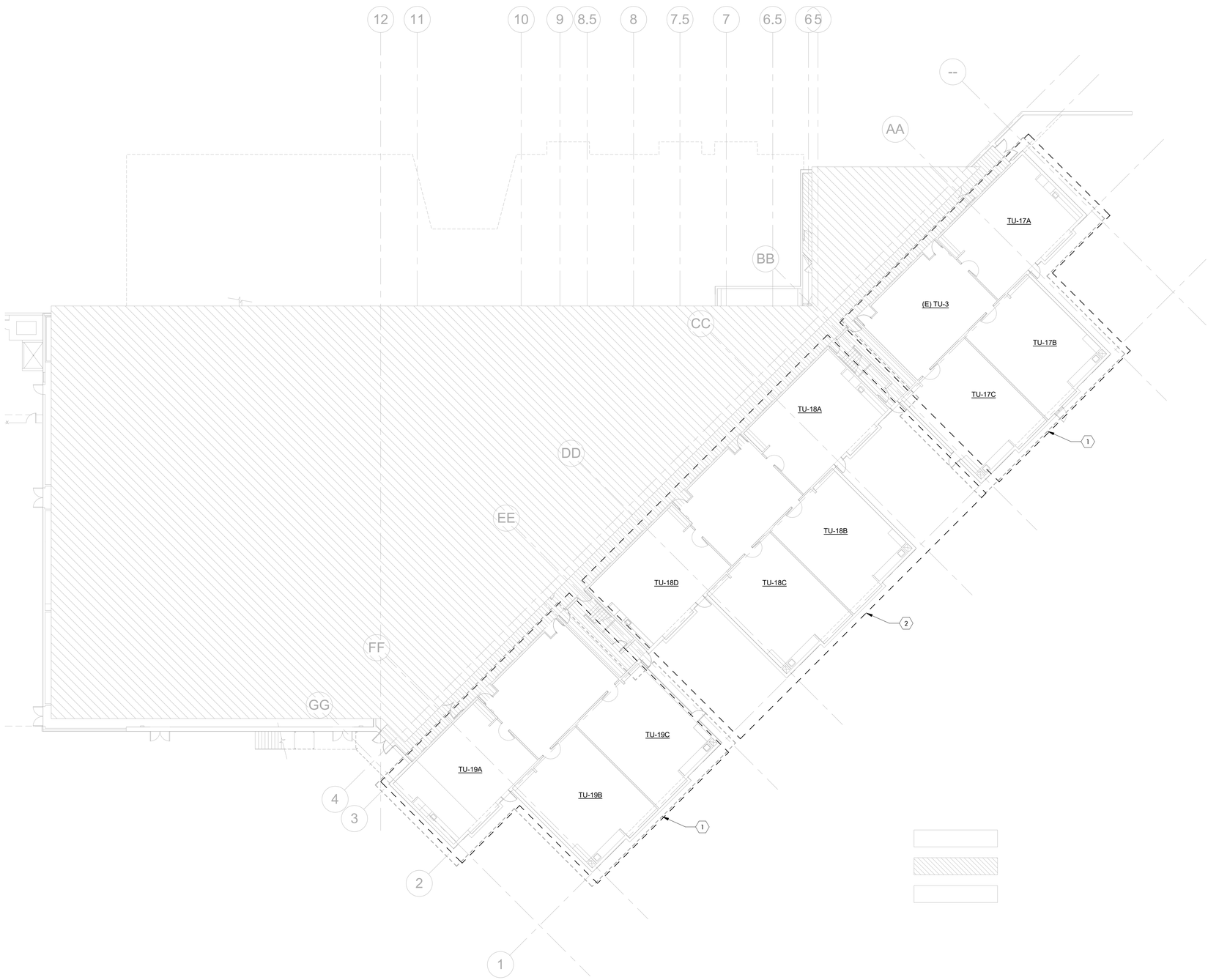

1 FLOOR PLAN - MAIN LEVEL - HVAC
1/16" = 1'-0"

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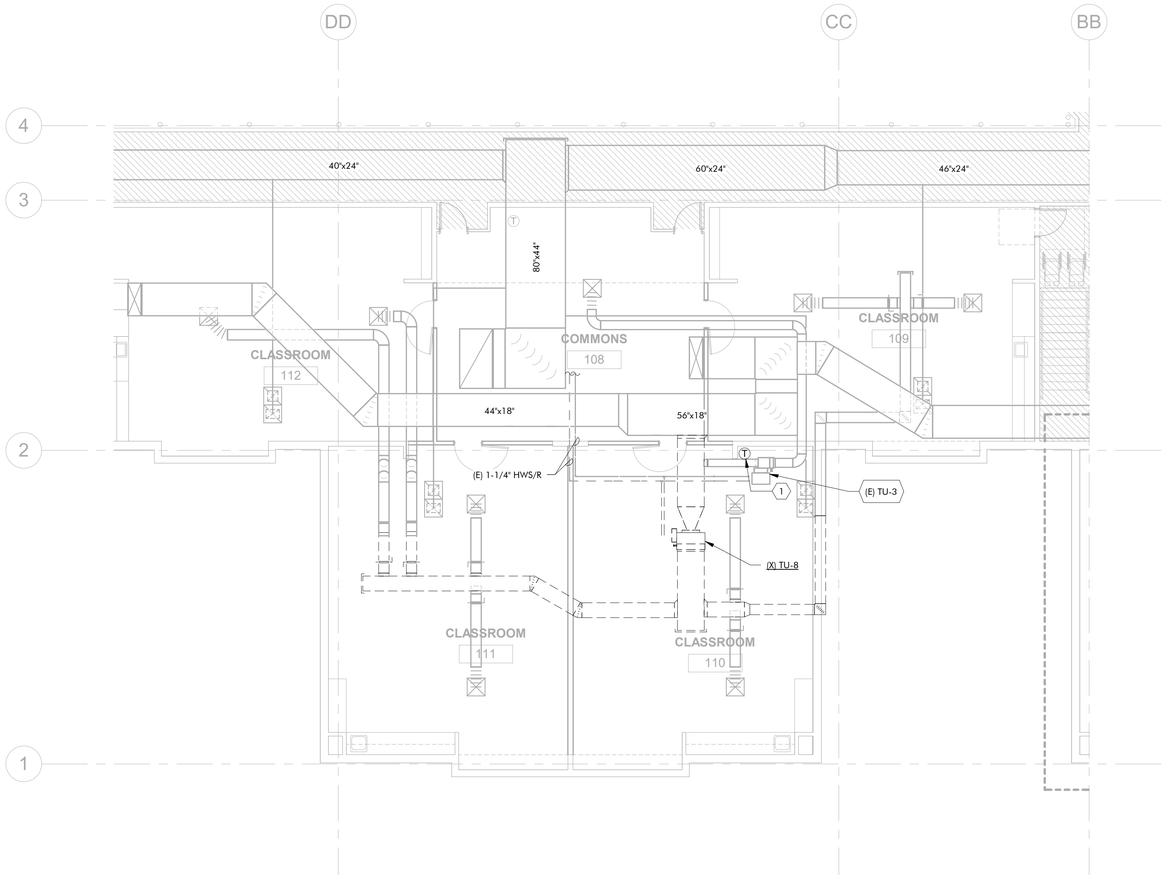
OVERALL FLOOR PLAN - MAIN LEVEL - HVAC

M122



1 ENLARGED DEMO PLAN - TYPICAL CLASSROOM - HVAC
1/8" = 1'-0"

SHEET KEYNOTES

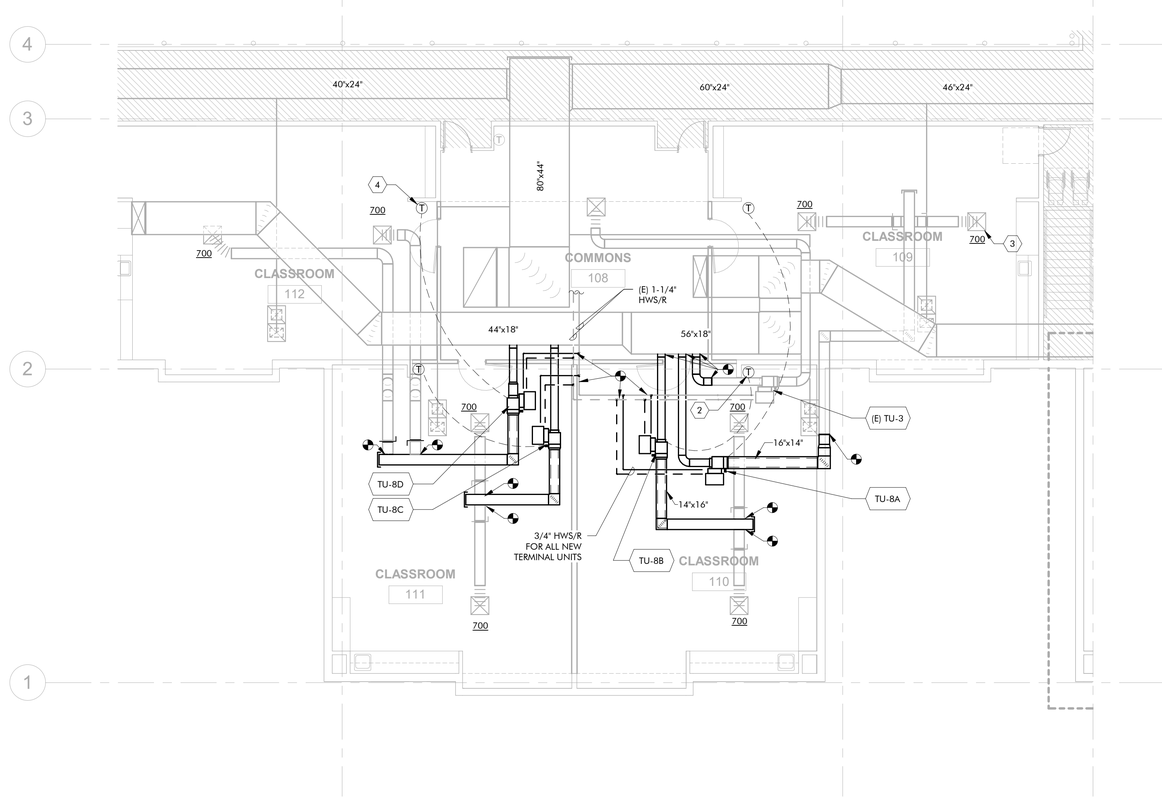
1 TEMPERATURE SENSOR TO BE REPLACED WITH NEW TERMINAL UNIT

2 PROVIDE NEW TEMPERATURE SENSOR PATHED TO NEW TERMINAL UNIT, TU-8A

3 REBALANCE DIFFUSER TO AIRFLOW SHOWN, TYPICAL ALL SUPPLY DIFFUSERS THAT ARE RECONNECTED TO NEW TERMINAL UNITS

4 COORDINATE ALL THERMOSTAT LOCATIONS WITH LIGHT SWITCHES, ETC.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION



2 ENLARGED PLAN - TYPICAL CLASSROOM - HVAC
1/8" = 1'-0"

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ENLARGED PLAN - TYPICAL CENTER CLASSROOM BLOCK - HVAC

M123

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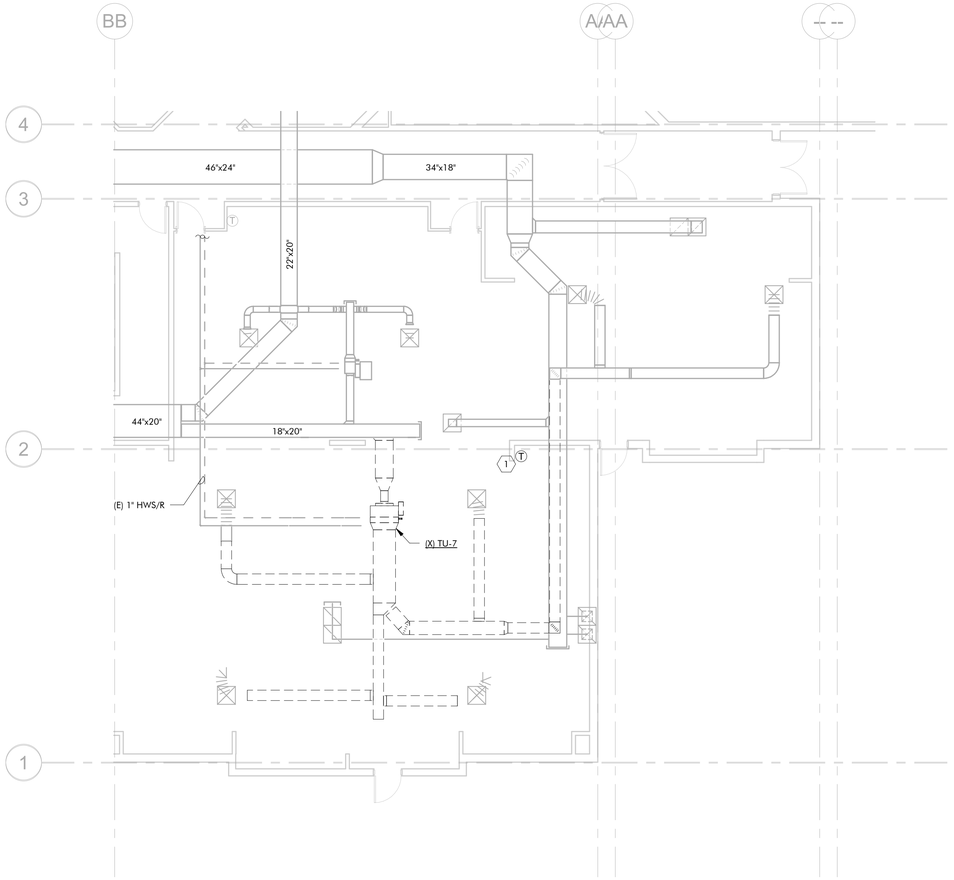
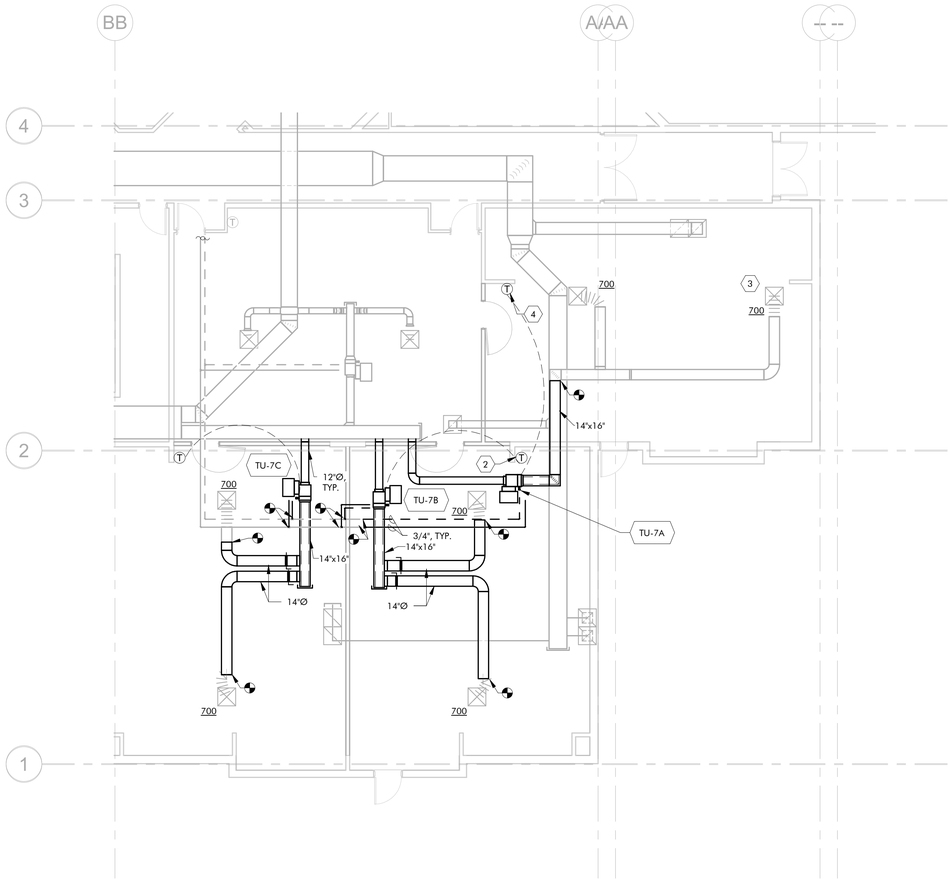


1 ENLARGED DEMO PLAN #2 - TYPICAL END CLASSROOM - HVAC
1/8" = 1'-0"



2 ENLARGED PLAN #2 - TYPICAL END CLASSROOM - HVAC
1/8" = 1'-0"

SHEET KEYNOTES

1 TEMPERATURE SENSOR TO BE REPLACED FOR NEW TERMINAL UNIT

2 PATH NEW TEMPERATURE SENSOR TO NEW TERMINAL UNIT, TU-7B

3 REBALANCE DIFFUSER TO AIRFLOW SHOWN, TYPICAL ALL SUPPLY DIFFUSERS THAT ARE RECONNECTED TO NEW TERMINAL UNITS

4 COORDINATE ALL THERMOSTAT LOCATIONS WITH LIGHT SWITCHES, ETC.

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ENLARGED PLAN #2 - TYPICAL END CLASSROOM BLOCK - HVAC

M124

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ABBREVIATIONS

A	AMPERE (AMP)	KVAR	KILOVOLT AMPS REACTIVE
AAF	ABOVE ACCESS FLOOR	KW	KILOWATT
ABF	AIRBLOWN FIBER	KWH	KILOWATT HOUR
AC	ABOVE COUNTER	LEC	LOCAL EXCHANGE CARRIER
AFF	ABOVE FINISHED FLOOR	LED	LIGHT EMITTING DIODE
AHJ	AUTHORITY HAVING JURISDICTION	LV	LOW VOLTAGE
AIC	AMPS INTERRUPTING CURRENT	MATV	MASTER ANTENNA TELEVISION
ALT	ALTERNATE	MCA	MINIMUM CIRCUIT AMPS
AN	ANALOG	MCB	MAIN CIRCUIT BREAKER
ARCH	ARCHITECT / ARCHITECTURAL	MCC	MOTOR CONTROL CENTER
ARM	ARMORED	MDF	MAIN BUILDING DISTRIBUTION FACILITY
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL
AV	AUDIO VISUAL	MECH	MECHANICAL
AVC	AUDIO VISUAL CONTRACTOR	MH	MAINTENANCE HOLE
BC	BONDING CONDUCTOR	MHz	MEGAHERTZ
BDF	BUILDING DISTRIBUTION FACILITY	MLO	MAIN LUGS ONLY
BMS	BUILDING MANAGEMENT SYSTEM	MTS	MANUAL TRANSFER SWITCH
BOC	BOTTOM OF CONDUIT	N	NORTH
BOCT	BOTTOM OF CABLE TRAY	NAC	NOTIFICATION APPLIANCE CIRCUIT (FA)
C	CONDUIT	NIC	NOT IN CONTRACT
CATV	(CABLE TV) COMMUNITY ACCESS TELEVISION	OFCI	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
CB	CIRCUIT BREAKER	OFE	OWNER FURNISHED EQUIPMENT
CCTV	CLOSED CIRCUIT TELEVISION	OFOI	FURNISHED AND INSTALLED BY OWNER
CF	CELLULAR FLOOR	OSP	OUTSIDE PLANT
CKT	CIRCUIT	PA	PUBLIC ADDRESS
CLG	CEILING	PB	PULL BOX
CO	CENTRAL OFFICE	PE	PHOTOELECTRIC
CPE	CUSTOMER UNIVERSAL ENCLOSURE	PF	POWER FACTOR
CT	CURRENT TRANSFORMER	PMV	PROJECT MANAGER VERIFICATION
CU	COPPER	PNL	PANELBOARD
CUE	CONCRETE UNIVERSAL ENCLOSURE	PON	PASSIVE OPTICAL NETWORK
DAS	DISTRIBUTED ANTENNA SYSTEM	PPL	POLYVINYL CHLORIDE CONDUIT
dB	DECIBEL	PVC	PACIFICORP
DB	DUCT BANK	PWR	POWER
DML	DOUBLE MAIN LUGS	R/W	RIGHT OF WAY
DN	DOWN	RAD	RADIUS
E	EAST	RG	RADIO GRADE
EQ	EQUAL DISTANT	S	SOUTH
EC	ELECTRICAL CONTRACTOR	SAA	SECUIRTY ALARM ANNUNCIATOR
EF	ENTRANCE FACILITY	SACP	SECURITY ACCESS CONTROL PANEL
EM	EMERGENCY	SDP	SUBDISTRIBUTION PANEL
EMC	ELECTROMAGNETIC COMPATIBILITY	SMB	SURFACE MOUNT BOX
EMI	ELECTROMAGNETIC INTERFERER	SPD	SURGE PROTECTION DEVICE
EMT	ELECTRIC METALLIC TUBING	ST	SHUNT TRIP
EPO	EMERGENCY POWER OFF	STS	STATIC TRANSFER SWITCH
EP	ENTRANCE POINT	SW	SWITCH
EP	EXPLOSION PROOF	TBB	TELECOM BONDING BACKBONE
ER	EQUIPMENT ROOM	TBC	TELECOM BONDING CONDUCTOR
FA	FIRE ALARM	TBD	TO BE DETERMINED
FAA	FIRE ALARM ANNUNCIATOR	TE	TELECOM ENCLOSURE
FACP	FIRE ALARM CONTROL PANEL	TGB	TELECOM GROUNDING BUSBAR
FLA	FULL LOAD AMPS	TL	THRU LUGS
FO	FIBER OPTIC	TMGB	TELECOM MAIN GROUNDING BUSBAR
FSD	FIRE SMOKE DAMPER	TO	TELECOM OUTLET
GC	GENERAL CONTRACTOR	TP	TAMPERPROOF
GFI	GROUND FAULT INTERRUPTER	TR	TELECOM ROOM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TTB	TELEPHONE TERMINAL BOARD
GHz	GIGAHERTZ	TTC	TELEPHONE TERMINAL CABINET
GND	GROUND	TV	TELEVISION / DIGITAL DISPLAY
GRC	GALVANIZED RIGID CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
GRD	GROUND	TYP	TYPICAL
GRS	GALVANIZED RIGID STEEL CONDUIT	U	USB
HH	HANDHOLE	UC	UNDER COUNTER
HP	HORSEPOWER	UG	UNDERGROUND
HPS	HIGH PRESSURE SODIUM	UON	UNLESS OTHERWISE NOTED
HV	HIGH VOLTAGE	UPS	UNINTERRUPTIBLE POWER SUPPLY
HZ	HERTZ	V	VOLTAGE
IBC	INTERNATIONAL BUILDING CODE	VA	VOLT AMPERES
IDF	INTERMEDIATE BUILDING DISTRIBUTION FACILITY	VP	VAPORPROOF
IG	ISOLATE GROUND	W	WATTS OR WEST
IR	INTERRUPTING RATING	WAO	WORK AREA OUTLET
JB	JUNCTION BOX	WAP	WIRELESS ACCESS POINT
KV	KILOVOLT	WP	WEATHERPROOF
KVA	KILOVOLT AMP	XFMR	TRANSFORMER
		XFSW	TRANSFORMER SWITCH

*REFER TO DISCIPLINE SYMBOL LISTS FOR MORE ABBREVIATIONS

GENERAL SYMBOLS

XXXX 123 EQUIPMENT DESIGNATOR - SEE SCHEDULE.

(E) EXISTING TO REMAIN

(X) EXISTING TO BE REMOVED

(R) EXISTING TO BE RELOCATED

(N) NEW

(#) KEYED NOTE

NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

WORK RESPONSIBILITY

ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN CONDUIT, DEVICES, BOXES, CONDUCTORS, AND TRANSITIONS AROUND OBSTRUCTIONS WHETHER SHOWN ON DRAWINGS OR NOT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

GENERAL NOTES (APPLIES TO ALL DRAWINGS)

A. WHERE EXACT DIMENSIONS ARE NOT CALLED FOR, DO NOT SCALE DRAWINGS TO DETERMINE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLET BOXES, WIRE WAYS, PANELS, ETC. SEE ARCH FOR EXACT DIMENSIONS.

B. CONDUIT RUNS SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS. THE EXACT PATH OF THE CONDUIT IS TO BE DETERMINED BY THE CONTRACTOR. THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100 FEET OF STRAIGHT EMPTY CONDUIT AND A PULL BOX FOR MORE THAN TWO 90 DEGREE BENDS IN A CONDUIT RUN. ALL CONDUIT SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND FURNISHED WITH PULL WIRES.

C. POWER CIRCUITS FOR THE AUDIOVISUAL SYSTEMS MUST BE ON THE SAME TRANSFORMER PHASE, BUT NOT ON THE SAME PHASE AS ANY COMPRESSORS, MOTORS, OR LIGHTING DIMMING SYSTEMS.

D. ALL EQUIPMENT MUST BE COMPLETELY BONDED TO A TRUE EARTH COMMON GROUND OR VERIFY GROUNDING REQUIREMENTS WITH ELECTRICAL EQUIVALENT FOR PROPER OPERATION.

E. FOR TELECOM OUTLETS WITH 1-6 CABLES, PROVIDE 1"C. TO DOUBLE-GANG DEEP BOX WITH SINGLE-GANG MUD RING AND 2, 4 OR 6 PORT FACEPLATE AS REQUIRED.

F. FOR TELECOM OUTLETS WITH 7-12 CABLES, PROVIDE TWO (2) 1"C. TO DOUBLE-GANG DEEP BOX WITH DOUBLE-GANG MUD RING AND TWO (2) 2, 4 OR 6 PORT FACEPLATES AS REQUIRED.

G. FOR ALL DATA OUTLETS AND CAMERAS, PROVIDE CATEGORY 6 CABLE AND JACKS. FOR ALL WIRELESS ACCESS POINTS (WAPs), PROVIDE (2) CATEGORY 6A CABLES AND JACKS.

POWER SYMBOLS

WALL RECEPTACLE: DUPLEX, 4-PLEX

FLOOR RECEPTACLE: DUPLEX, 4-PLEX

CEILING RECEPTACLE: DUPLEX, 4-PLEX

#" WALL RECEPTACLE: MOUNTING HEIGHT

SPECIAL RECEPTACLE: WALL

JUNCTION BOX: WALL, FLOOR, CEILING

SURFACE OUTLET STRIP: DIMENSIONS AS SHOWN

F DISCONNECT SWITCH: FUSED, CIRCUIT BREAKER

MOTOR CONNECTION

A8-1 PANEL & CIRCUIT NUMBER

DENOTES DUPLEX RECEPTACLE ON DROP CORD

PUSHBUTTON: WALL

ADA DOOR ASSIST BUTTON: WALL

WIRE CONCEALED IN FLOOR OR UNDERGROUND

RACEWAY AND CONDUCTORS REMOVED AS PART OF DEMOLITION

CONDUIT ELL: UP, DN

ELECTRICAL DUCT BANK

GROUND ROD, 10' LONG, 5/8" DIAMETER, COPPER. BOND TO LOCAL CIRCUIT GROUND CONDUCTOR

ELECTRICAL DISTRIBUTION CABINET

ELECTRICAL DISTRIBUTION PANEL: SURFACE, RECESSED

T ELECTRICAL TRANSFORMER

ONE-LINE SYMBOLS

CONDUCTORS & CONDUIT

CONDUCTORS & CONDUIT TO BE REMOVED

CIRCUIT BREAKER, MOLDED CASE SWITCH

BUS

ATS

M METER

PANEL

MAIN GROUNDING BAR

CONNECTION TO GROUND

TRANSFORMER

LIGHTING SYMBOLS

PE PHOTOCELL: CEILING, WALL MOUNTED

OS DUAL TECHNOLOGY, OCCUPANCY SENSOR: CEILING MOUNTED, WALL MOUNTED

VS DUAL TECHNOLOGY, VACANCY SENSOR: CEILING MOUNTED, WALL MOUNTED

HA 1. / a HA = LUMINAIRE TYPE DESIGNATION
1. = CIRCUIT NUMBER
a = SWITCH DESIGNATION

$X SINGLE GANG, STRAP MOUNTED CONTROL STATION.
LIGHT SWITCH: OS = OCCUPANCY SENSOR, K = KEYED, 3 = 3-WAY
LOW VOLTAGE DIMMER / PRESET CONTROL: D
TIMER SWITCH: T

TELECOMMUNICATIONS SYMBOLS

DATA OUTLET: WALL, CEILING, FLOOR

DATA OUTLET: CABLE/JACK QUANTITY (x2 U.O.N.)

#" DATA OUTLET: MOUNTING HEIGHT

WP DATA OUTLET: WALL PHONE (x1 CABLE/JACK)

ALS ASSISTIVE LEARNING SYSTEM

ANALOG CLOCK: WALL, CEILING

M MASTER CLOCK: CEILING

SP IP COMBINATION IP SPEAKER/IP CLOCK (ANALOG FACE)

DIGITAL CLOCK: WALL, CEILING

(E) (E) WIRELESS ACCESS POINT: WALL, CEILING. E = EXISTING

S ALS ASSISTIVE LEARNING SYSTEM SPEAKER: CEILING

S AN S AN ANALOG SPEAKER: WALL, CEILING

S IP S IP IP SPEAKER: WALL, CEILING

SPEAKER-HORN: WALL, CEILING

S AN S AN ANALOG SPEAKER-HORN: WALL, CEILING, WP

2-WAY/ARA COMMUNICATION STATION: WALL
M: MASTER STATION
PS: POWER SUPPLY

A/V A/V AV A/V OUTLET: WALL, FLOOR, CEILING

CONT A/V ASSISTIVE LEARNING SYSTEM: CONTROLLER

IO A/V ASSISTIVE LEARNING SYSTEM: INPUT / OUTPUT

CATV CATV OUTLET: WALL, CEILING

IC INTERCOM STATION: WALL

IV INTERCOM & VIDEO STATION: WALL

IC/M MAN INTERCOM MASTER STATION: WALL
MAN: MASTER ANALOG
MIP: MASTER IP

WIRELESS CLOCK SIGNAL DISTRIBUTION ANTENNA: WALL

ANALOG TELEPHONE OUTLET: WALL

TELECOM PATHWAYS AND ENCLOSURES SYMBOLS

CONDUIT

UNDERGROUND CONDUIT

AERIAL

SPLICE

MH MAINTENANCE HOLE

VAULT (SUBSCRIPT +-)

POLES

RACK (2 POST)

RACK (4 POST)

CABINET: SURFACE, RECESSED

PB PULL BOX

V TELECOM UNDERGROUND VAULT

FSD CABLE PATHWAY FIRESTOPPING DEVICE

CABLE TRAY: CENTER SUPPORT, OUTER SUPPORTS

TELECOM GROUND BUS

T TELEPHONE BACKBOARD.

SECURITY SYMBOLS

CR CARD KEY READER STATION: WALL

S MD MOTION DETECTOR: WALL, CEILING

P DA DOOR ASSIST: WALL
P: PANIC

KP IDS KEYPAD: WALL

ACP DOOR HARDWARE: WALL
ACP: ACCESS CONTROL PANEL
DC: DOOR CONTACT
DO: DOOR OPERATOR
DH: DOOR HOLD OPEN
DRP: DOOR RELEASE PANEL
EC: ELECTRIC CYLINDRICAL LOCK SET
EPT: ELECTRONIC POWER TRANSFER
ES: ELECTRIC STRIKE
IL: INTEGRATED LOCK
LA: LOCAL ALARM
LS: LATCH RETRACTION
REX: REQUEST TO EXIT SENSOR
RX: REQUEST TO EXIT SWITCH

DOME SECURITY CAMERA: WALL, CEILING

SINGLE LENS

SINGLE LENS 180°

SINGLE LENS 360°

SINGLE LENS PTZ

DOUBLE LENS

QUAD LENS

*SEE DOOR HARDWARE SCHEDULE AND ASSOCIATED DETAILS FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

FIRE ALARM SYMBOLS

F MANUAL PULL STATION: WALL

F BELL: WALL

STROBE: WALL, CEILING

SPEAKER-STROBE: WALL, CEILING

S S PHOTOELECTRIC SMOKE DETECTOR: WALL, CEILING
PR: RELAY BASE
PIB: ISOLATION BASE
PT: HEAT DETECTOR

BEAM SMOKE DETECTOR

ADDRESSABLE MODULE: WALL, CEILING
ARM: ADDRESSABLE RELAY MODULE
AIM: ADDRESSABLE INPUT MODULE (SINGLE)
AMM: ADDRESSABLE MINI INPUT MODULE
ADM: ADDRESSABLE DUAL INPUT MODULE
ANM: ADDRESSABLE NOTIFICATION MODULE
AIO 1X1: ADRESSABLE INPUT/OUTPUT MODULE, 1 INPUT x 1 RELAY
AIO 2X2: ADRESSABLE INPUT/OUTPUT MODULE, 2 INPUT x 2 RELAY

ARM ARM

SWITCH: WALL, CEILING
WF: WET SYSTEM
PA: PREACTION SYSTEM
VS: VALVE SUPERVISORY SWITCH
PIV: POST INDICATOR VALVE
LA: LOW AIR SWITCH
HA: HIGH AIR SWITCH
PR: PUMP RUNNING SIGNAL
PT: PUMP TROUBLE SIGNAL
REV: REVERSAL SIGNAL
LT: LOW AIR TEMP
LW: LOW WATER LEVEL
DH: MAGNETIC DOOR HOLD

WF

FACU FIRE ALARM CONTROL UNIT

NPS NOTIFICATION POWER SUPPLY

FAA REMOTE ANNUNCIATOR

LOC LOCAL OPERATOR CONSOLE

AMP EVAC AMPLIFIER

FATC FIRE ALARM TERMINAL CABINET

ELEV ELEVATOR CONTROL MUDLE

SPRK SPRINKLER CONTROL MODULE

FAC FIRE ALARM CONTROL PANEL

AES WIRELESS MESH RADIO NETWORK

DOC DOCUMENT STORAGE BOX

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

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PORTLAND OR 97229

80% CD

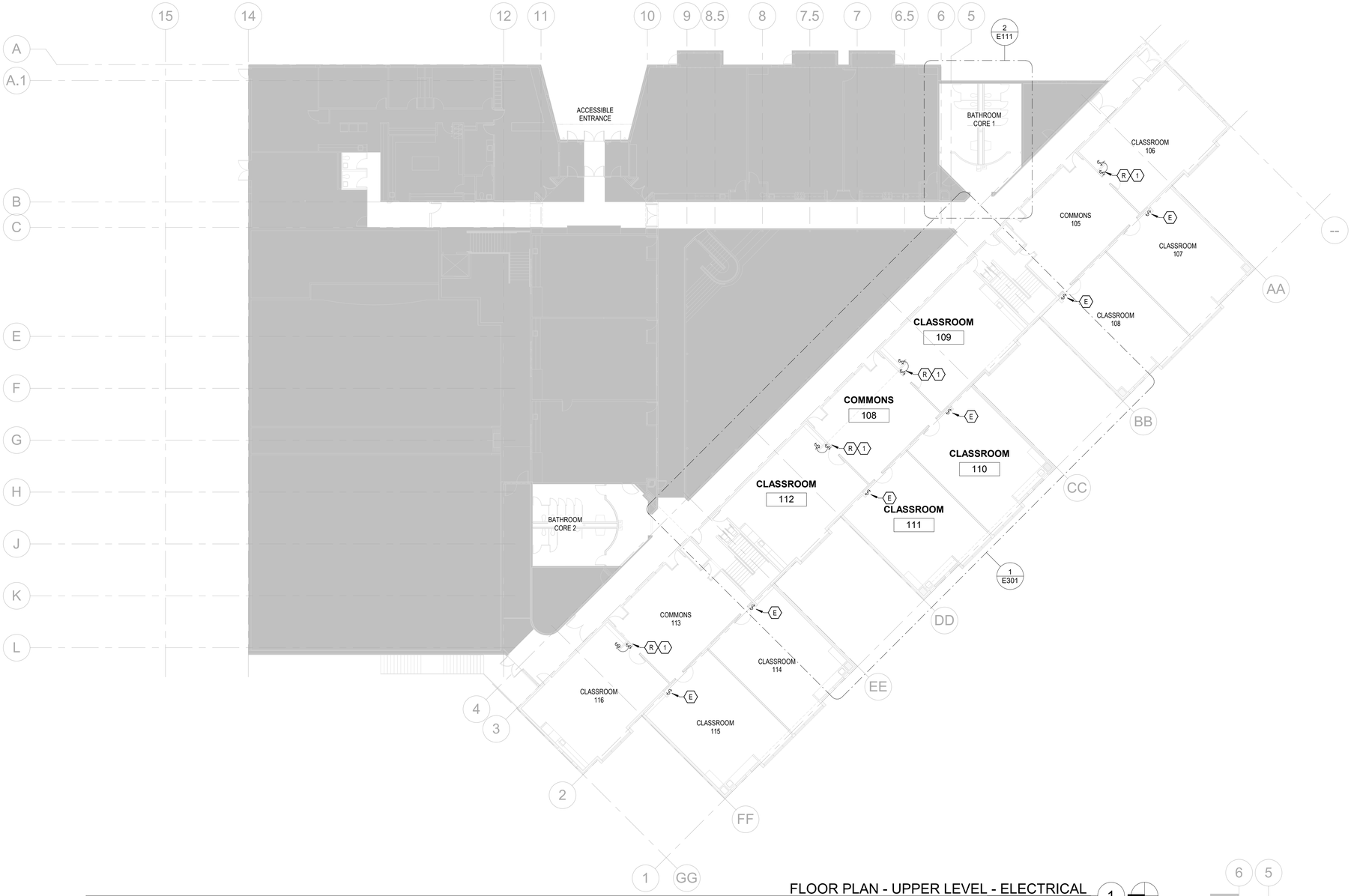
PROJECT: 21005.02

DATE: 10/21/2022

LEGEND AND ABBREVIATIONS - ELECTRICAL

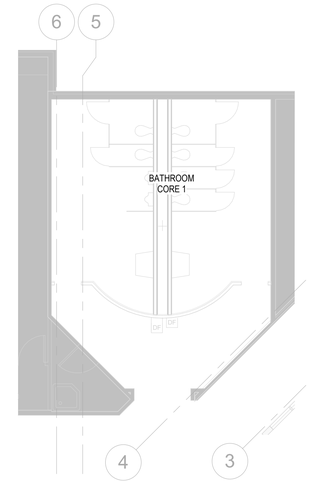
E001

10/19/2022 9:57:37 PM



FLOOR PLAN - UPPER LEVEL - ELECTRICAL 1

1/16" = 1'-0"



TYPICAL RESTROOM PLAN - ELECTRICAL 2

1/8" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES

A ALL CIRCUITS ARE TO BE DE-ENERGIZED PRIOR TO COMMENCING WORK.

B CONTRACTOR TO CONFIRM SOURCE PANELS AND LINE TRACE CIRCUITS TO DETERMINE BREAKER SPACE.

C INSPECT PHYSICAL CONDITION OF ALL WIRING INTENDED FOR INTERCEPTION AND EXTENSION.

D PERFORM MEGGER/RESISTANCE TESTING AND NOTIFY ENGINEER OF DEFICIENCIES FOUND.

E REFER TO AS-BUILT DOCUMENTATION FOR EXISTING SINGLE-LINE DIAGRAMS AND DEVICE LAYOUTS, ALTHOUGH THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO COMMENCING WORK AND COMPENSATE OWNER FOR DAMAGES CAUSED BY FAILURE TO LOCATE OR PRESERVE UTILITIES.

F FOR ITEMS TO BE DEMOLISHED, REMOVE WIRING, DEVICES, AND CONDUIT COMPLETE, DO NOT ABANDON IN PLACE UNLESS OTHERWISE NOTED. CONDUIT CAST IN-SLAB IS TO BE CUT-OFF BELOW GRADE AND ABANDONED.

G DE-ENERGIZE, DISCONNECT, AND REMOVE ALL EXISTING ELECTRICAL INFRASTRUCTURE IN AREAS UNAFFECTED BY PROJECT DEMO.

H RETAIN EXISTING ELECTRICAL RACEWAYS IDENTIFIED FOR INTERCEPTION AND EXTENSION IN AREAS UNAFFECTED BY DEMOLITION.

I PERFORM INSTALLATION IN ACCORDANCE WITH THE CODES OF RECORD AND
APPLICABLE DOE ORDERS, NATIONAL ELECTRICAL CODE (NEC), AND THE
OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).
I.PERFORM INSTALLATION IN ACCORDANCE WITH THE CODES OF RECORD AND
APPLICABLE DOE ORDERS, NATIONAL ELECTRICAL CODE (NEC), AND THE
OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

J ELECTRICAL DRAWINGS ARE CONSIDERED DIAGRAMMATIC AND INDICATE GENERAL
ARRANGEMENT OF WORK AND SYSTEMS. COORDINATE ROUGH-IN REQUIREMENTS
AND INSTALLATION REQUIREMENTS WITH OTHER TRADES.

K PERFORM WORK FOR REMOVAL AND DISPOSAL OF EQUIPMENT AND MATERIALS CONTAINING TOXIC SUBSTANCES REGULATED UNDER THE FEDERAL TOXIC SUBSTANCES CONTROL ACT (TSCA) IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. APPLICABLE EQUIPMENT AND MATERIALS INCLUDE, BUT ARE NOT LIMITED TO:
1. PCB-CONTAINING ELECTRICAL EQUIPMENT, INCLUDING TRANSFORMERS, CAPACITORS, AND SWITCHES.
2. PCB- AND DEHP-CONTAINING LIGHTING BALLASTS.
3. MERCURY-CONTAINING LAMPS AND TUBES, INCLUDING FLUORESCENT LAMPS, HIGH INTENSITY DISCHARGE (HID), ARC LAMPS, ULTRA-VIOLET, HIGH PRESSURE SODIUM, MERCURY VAPOR, IGNITRON TUBES, NEON, AND INCANDESCENT.

L REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

M REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY.

N REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES.

O DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS THAT ARE NOT REMOVED.

P DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.

Q REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.

R MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS THAT REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.

S REMOVE AND RESTORE WIRING WHICH SERVES USABLE OUTLETS CLEAR OF CONSTRUCTION OR DEMOLITION.

KEYED NOTES

1 RELOCATE EXISTING LIGHTING CONTROL SWITCH TO LOCATION INDICATED. WIRE AND CONNECT FOR A FULLY FUNCTIONING LIGHTING CONTROL SYSTEM FOR THE SPACE.

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80% CD

PROJECT: 21005.02
DATE: 10/21/2022

MAIN LEVEL FLOOR PLAN - ELECTRICAL

E111

10/19/2022 9:57:38 PM

FLOOR PLAN - LOWER LEVEL - ELECTRICAL 1

1/16" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

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LOWER LEVEL FLOOR PLAN - ELECTRICAL

E112

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TYPICAL ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS SHOWN MAY BE USED OR LISTED

A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICAN W/DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERNITIVE
AOW	AREA OF WORK
BATT	BATT INSULATION
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BO	BOTTOM OF
BOC	BACK OF CURB
BOD	BASIS OF DESIGN
BOT	BOTTOM
BS	BOTH SIDES
CB	CATCH BASIN
CBA	CEMENT BACKER BOARD
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CP	CEMENT PLASTER
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSINK
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DIM PT	DIMENSION POINT
DN	DOWN
DP	DAMPPROOFING
DW	DISHWASHER
(E)	EXISTING
EA	EACH
EB	EXPANSION BOLT
EJ	EXPANSION JOINT
ELEV	ELEVATION
ENM	ENAMEL
EO	ELECTRIC OUTLET
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
F&I	FURNISH AND INSTALL
FA	FIRE ALARM
FABX	FIRE ALARM BOX
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FURNITURE, FIXTURE & EQUIPMENT
FO	FACE OF or FINISHED OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
GMU	GLASS MASONRY UNIT
GYP	GYPSUM
GWB	GYPSUM WALL BOARD
HDRL	HANDRAIL
HDW	HARDWARE
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
JAN	JANITOR
JC	JANITOR'S CLOSET
LAV	LAVATORY
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MI	MIRROR
MIN	MINIMUM
MO	MASONRY OPENING
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER or OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OTS	OPEN TO STRUCTURE
PL	PLATE or PLASTIC LAMINATE or PROPERTY LINE
PT	PRESSURE TREATED
PWD	PLYWOOD
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RELOC	RELOCATED(D)
REPL	REPLACE
REQ	REQUIRED
RET	RETURN or RETENTION
RF	RESILIENT FLOORING
RM	ROOM
RO	ROUGH OPENING
RT	RESILIENT TILE
SAM	SELF ADHERED FLEXIBLE FLASHING
SIM	SIMILAR
STN	STONE SLAB/VENEER
SV	SHEET VINYL
SYM	SYMBOL or SYMMETRICAL
T	TEMPERED or TILE
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TD	TRECH DRAIN or TOWN DOWN!
THK	THICK(NESS)
T/M	TO MATCH
TO	TOP OF
TOD	TOP OF DECK
TOP	TOP OF PARAPET or TOP OF PAVEMENT
TOR	TOP OF ROOF
TOS	TOP OF SLAB or TOP OF STEEL
TWO	TOP OF WALL
T-STAT	TERMOSTAT
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UOS	UNDERSIDE OF STRUCTURE
VCT	VINYL COMPOSITE TILE
VEN	VENEER
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST or WIDTH
W/	WITH
WD	WOOD
WF	WIDE FLANGE
WH	WATER HEATER
W/O	WITHOUT
W PANEL	WOOD PANELING
WRB	WEATHER RESISTANT BARRIER
WWF	WELDED WIRE FABRIC

FIRE PROTECTION, ALARM AND EXTINGUISHERS

SPECIALTIES - FIRE EXTINGUISHERS

A. SURVEY EXISTING CONDITIONS OF ENTIRE FLOOR THAT PROJECT OCCURS AND PROVIDE NOT LESS THAN ONE APPROVED FIRE EXTINGUISHER WITH RATING NOT LESS THAN 20A 10B/C FOR EACH 1,500SF OF FLOOR AREA OR FRACTION THEREOF. TRAVEL DISTANCES TO AN EXTINGUISHER FROM ANY PORTION OF THE BUILDING SHALL NOT EXCEED 75 FEET. PROVIDE FIRE EXTINGUISHER(S) IN ACCORDANCE WITH CURRENT CODES.

B. PROVIDE NEW FIRE EXTINGUISHER(S) AT ALL EXISTING CABINETS WHERE MISSING. ALL REUSED EXISTING FIRE EXTINGUISHERS ARE TO BE INSPECTED AND/OR RECHARGED, AS NECESSARY, PRIOR TO SUBSTANTIAL COMPLETION.

FIRE PROTECTION & ALARM SYSTEMS

A. CONTACT BUILDING MANAGER FOR INSTRUCTIONS WHEN SCHEDULING WORK ON FIRE SPRINKLER AND ALARM SYSTEMS.

B. AUTOMATIC SPRINKLER SYSTEM SUPERVISION: ALL VALVES, INCLUDING THOSE IN PITS, SHALL BE MONITORED BY UL LISTED FIRE MARSHAL - APPROVED CENTRAL STATION. WATER FLOW AND HIGH/LOW PRESSURE FOR DRY PIPE SYSTEMS (IF USED) SHALL BE SUPERVISED AS WELL AS OTHER FEATURES DEEMED NECESSARY BY CURRENT NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS.

C. PREPARE SPRINKLER SYSTEM SHOP DRAWINGS FOR COORDINATION WITH ARCHITECTS' DRAWINGS.

D. PROVIDE FULLY CONCEALED SPRINLKER HEADS IN HARDLID CEILINGS, UNLESS NOTED OTHERWISE.

E. PAY ALL FEES AND OBTAIN ALL PERMITS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION NECESSARY TO COMPLETE THE WORK.

BUILDING ALARM SYSTEM/SMOKE DETECTORS

A. PROVIDE VISUAL AND AUDIBLE ALARM SIGNAL APPLIANCES INTEGRATED INTO THE BUILDING ALARM SYSTEM AS REQUIRED BY ADA AND CURRENT OSSC STANDARDS. PROVIDE ADDITIONAL ELECTRICAL SERVICE AS REQUIRED. COORDINATE REQUIREMENTS WITH BUILDING OWNER. ALARM LOCATIONS INDICATED ON PLANS ARE FOR REFERENCE ONLY.

B. PROVIDE SHOP DRAWINGS FOR ALARM SYSTEM LAYOUT AS REQUIRED BY CODE.

C. SMOKE DETECTION DEVICES INDICATED ON THE DRAWINGS ARE FOR REFERENCE ONLY. CONFIRM SPACING OF DETECTORS WITH DEVICE LISTING.

D. CLEAN AND REPAIR EXISTING SMOKE DETECTORS TO BE REUSED TO GOOD WORKING CONDITION.

HARDWARE, SPECIALITIES & FINISHES

DOOR HARDWARE

A. DOORS SHALL OPEN FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

B. NEW EXTERIOR DOOR HARDWARE SHALL MATCH EXISTING BUILDING STANDARDS AND BE ADA COMPLIANT. LEVELER HANDLE, HINGES AND CLOSESERS TO ALL MATCH SAME FINISH AND BUILDING STANDARD AND EACH OTHER.

C. CONTRACTOR SHALL VERIFY COMPATABILITY OF HARDWARE SPECIFIED WITH BUILDING KEYING SYSTEM.

D. PROVIDE NEW DOORS WITH FINISH SPECIFIED PER SCHEDULE. PROVIDE DIAGRAM OF WOOD GRAIN DETAIL, MATCHING AND FINISH.

E. PROVIDE DOOR CLOSERS PER SCHEDULE. SUBMIT CUT SHEET FOR ARCHITECT REVIEW AND APPROVAL.

G. PROVIDE DOOR OPENINGS IN RATED WALLS COMPLYING WITH REQUIRED SMOKE CONTROL ASSEMBLY AND INDICATED FIRE PROTECTION RATING. WHERE EXISTING DOOR OPENINGS DO NOT COMPLY WITH PRESENT BUILDING CODE REQUIREMENTS, PROVIDE NEW DOORS, FRAMES AND HARDWARE THAT COMPLY.

H. ADJUST THE RESISTIVE FORCE OF ALL NEW AND EXISTING INTERIOR DOOR CLOSERS IN THE PROJECT AREA TO A MAXIMUM PRESSURE OF 5 LBS TO COMPLY WITH ADA REQUIREMENTS.

FINISHES - PATCH & REPAIR

I. REPAIR/REFINISH ANY DAMAGE TO EXISTING FINISH SURFACES IN IMPROVEMENT AREA CAUSED BY CONSTRUCTION OPERATIONS.

J. PAINT EXISTING WALLS WITH (2) COATS OF EGGSHELL FINISH PAINT UNLESS NOTED OTHERWISE. SUBMIT COLOR DRAW-DOWNS TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.

K. WHERE ALL NEW PARTITIONS ABUT, JOIN OR CONNECT TO EXISTING SURFACES, WALLS OR NEW CONSTRUCTION, ALIGN THE FINISH SURFACE.

L. ALL NEW WALLS AND PARTITIONS SHALL HAVE TAPED JOINTS (3) COATS SANDED AND PRIMED TO MEET PAINT READY REQUIREMENTS.

M. EXISTING WALLS AND SURFACES SHALL BE STRIPPED, RESURFACED AND PATCHED AS REQUIRED.

N. PROVIDE A FULL GALLON OF EACH WALL COLOR WITH LABELS IN TENANT SUITE. LABEL ALL LEFT OVER PAINT AND DELIVER TO OWNER WHERE DIRECTED.

O. TAPE AND SAND EXPOSED GYPSUM BOARD FOR A FLAT, SMOOTH SURFACE FINISH TO MATCH EXISTING ADJACENT SURFACES IN BUILDING UNLESS NOTED OTHERWISE.

P. PROVIDE FINISH MATERIALS MATCHING ESTABLISHED BUILDING STANDARD QUALITY, UNLESS NOTED OTHERWISE. PROVIDE COLORS APPROVED BY OWNER AND ARCHITECT.

Q. CONTRACTOR TO FILL AND PATCH EXISTING CONCRETE SLABS AND SHALL PROVIDE SMOOTH UNIFORM SURFACE PRIOR TO NEW FLOOR COVERINGS TO BE INSTALLED.

GENERAL NOTES - PROJECT

A. REVIEW ALL CONSTRUCTION DOCUMENTS AND SPECIFICATIONS AND COMPARE THEM TO FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. IMMEDIATELY REPORT ANY CONFLICTS, DISCREPANCIES, OR OMISSIONS TO THE ARCHITECT PRIOR TO SUBMITTING FOR BID.

B. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF APPLICABLE BUILDING CODES, PROGRAM GUIDES OR OTHER REQUIREMENTS OF THE LOCAL JURISDICTION.

C. ALL WORK, BOTH NEW AND IN PLACE, IS TO MEET THE BUILDING FIRE-LIFE SAFETY SUMMARY IN THE AREA OF REMODEL WORK PRIOR TO FINAL INSPECTION.

D. PROVIDE ALL WORK REQUIRED FOR A COMPLETE INSTALLATION WHETHER OR NOT SHOWN OR DESCRIBED.

E. COORDINATE THE MOVEMENT OF PERSONNEL AND MATERIALS WITHIN THE BUILDING AND SIMILAR AREAS WITH THE OWNER'S REPRESENTATIVE. SCHEDULE ACTIVITIES SO THEY ARE NOT DISRUPTIVE TO OCCUPANTS OF THE BUILDING . MAINTAIN EXITING, FIRE PROTECTION AND LIFE SAFETY PER THE FIRE MARSHALL'S OFFICE. COORDINATE DISRUPTIVE WORK FOR AFTER BUSINESS HOURS.

F. CONTRACTOR SHALL NOT SCALE THE DRAWINGS OR DETAILS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOBSITE. WHERE WRITTEN DIMENSIONS ARE NOT INDICATED OR CANNOT BE DISCERNED FROM THE CONSTRUCTION DOCUMENTS, CONTACT THE ARCHITECT FOR CLARIFICATION.

G. NOTIFY THE ARCHITECT IN WRITING IF THERE ARE ANY CORRECTIONS OR CHANGES REQUIRED TO THE CONSTRUCTION DOCUMENTS BY THE AUTHORITY HAVING JURISDICTION. CORRECTION LIST OR COMMENTS MUST BE DELIVERED TO THE DESIGN AGENCY VIA EMAIL AND INCORPORATED BY THE CONTRACTOR INTO THE PERMIT SET.

H. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL TRADES, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL REQUIREMENTS.

I. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO FOLLOW AND COORDINATE ALL ITEMS PER THE MANUFACTURE'S PRINTED INSTRUCTIONS, SPECIFICATIONS AND INSTALLATION DETAILS. THE INSTALLATION OF ALL BUILDING PRODUCTS (INTERIOR AND EXTERIOR), FIXTURES, EQUIPMENT, ETC. SHALL FOLLOW MANUFACTURER INSTALLATION REQUIREMENTS.

CONSTRUCTION PHASE

J. THE ARCHITECT SHALL NOT HAVE CONTROL OVER NOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES IN THE EXECUTION OF THE WORK. SAFETY PRECAUTIONS OR PROGRAMS CONNECTION WITH THE PROJECT ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

MATERIAL SPECIFICATIONS

K. SPECIFIC ITEMS DESCRIBED, LISTED OR DRAWN WITHIN THE CONSTRUCTION SET ARE CONSIDERED THE BASIS OF DESIGN FOR THE PROJECT. IF A SUBSTITUTION IS PROPOSED, THE GENERAL CONTRACTOR IS TO CERTIFY THAT THE PRODUCT IS OF EQUAL OR GREATER PERFORMANCE OR REQUEST REVIEW BY THE DESIGN AGENCY IN WRITING.

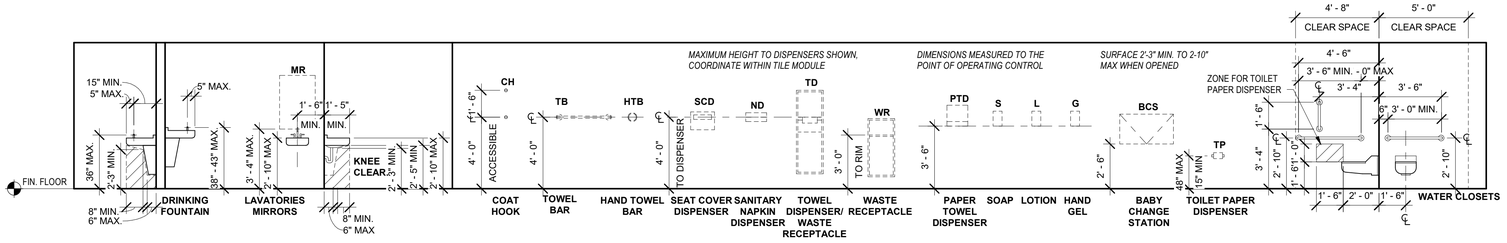
L. THE GENERAL CONTRACTOR SHOULD CONFIRM APPLICABILITY OF ALL SPECIFIED PRODUCTS WITH THE MANUFACTURER FOR SPECIFIC USE AS SHOWN PRIOR TO PURCHASING AND INSTALLATION.

SUBMITTAL PROCEDURES

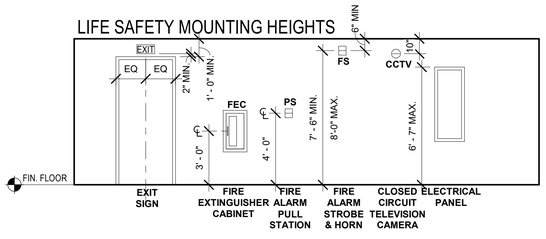
M. THE GENERAL CONTRACTOR SHALL PROVIDE THE ARCHITECT AND BUILDING OWNER PRODUCT DATA, CUTSHEETS AND SHOP DRAWINGS OF INSTALLED PRODCUTS OR DESIGN-BUILD ITEMS IN DIGITAL .PDF FORMAT FOR REVIEW FOLLOWING THE CONTRACTOR'S REVIEW FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ARCHITECT WILL THEN REVIEW EACH SUBMITTED FOR GENRAL COMFORMAMANCE.

N. PROVIDE A MINIMUM (2) PHYSICAL PRODUCT SAMPLES FOR EACH FINISH, INCLUDING PAINT DRAWDOWNS, SPECIFIED WITHIN THESE DRAWINGS.

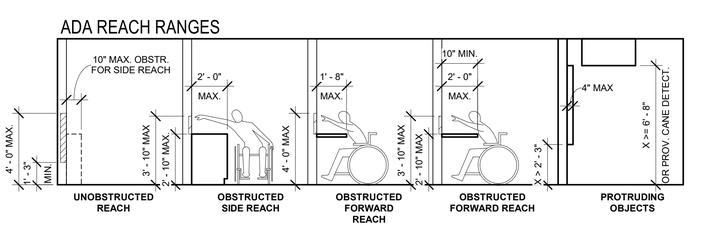
RESTROOMS CLEARANCES AND MOUNTING HEIGHTS



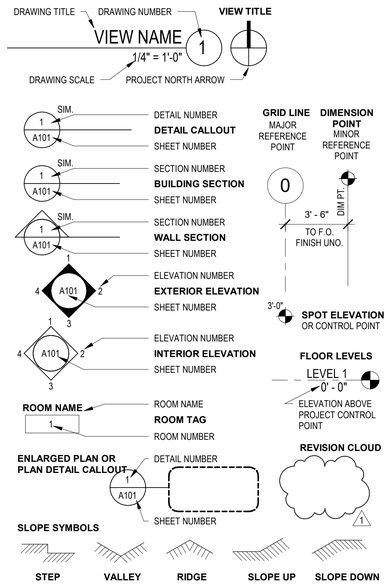
LIFE SAFETY MOUNTING HEIGHTS



ADA REACH RANGES



GENERAL SYMBOLS



SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

PROJECT SUMMARY

PROJECT NAME:	CLASSROOM WALLS PHASE 3 - NANCY RYLES ELEMENTARY SCHOOL
PROJECT ADDRESS:	10250 SW CORMORANT DR BEAVERTON OR 97007
JURISDICTION:	CITY OF BEAVERTON
CONSTRUCITON TYPE:	V-B (SPRINKLERED)
BUILDING HEIGHT:	2 STORY
BUILDING OCCUPANCY:	EDUCATIONAL, ASSEMBLY (NON-SEPRATED)

PROJECT SCOPE

INTERIOR ALTERATION TO PROVIDE SECURITY IMPROVEMENTS TO EXISTING CLASSROOM AND EDUCATION COMMONS AREA. SCOPE INCLUDES BUILDING NEW PARTITIONS AT EXISTING OPENINGS WITH NEW CLASSROOM ENTRY DOORS. EXISTING OCCUPANCY, OCCUPANTS AND EGRESS PATTERNS ARE UNCHANGED.

ADDITIONAL SCOPE ADDRESSES 25% FOR ADA UPGRADES.

PROJECT TEAM

OWNER: **BEAVERTON SCHOOL DISCTRICT**
1260 NORTHWEST WATERHOUSE AVENUE,
BEAVERTON, OR 97006

ATTN: **JASON MOURRAY**
JASON_MOURRARY@BEAVERTON.K12.OR.US

ARCHITECT: **HBX STUDIO ARCHITECTURE, INC.**
831 SE SALMON ST SUITE 140
PORTLAND, OR 97214
WWW.HBX-STUDIO.COM

ATTN: **MICHAEL BARRETT, AIA**
MICHAEL@HBX-STUDIO.COM

CONTRACTOR: **TBD**

DEFERRED SUBMITTALS - DESIGN/BUILD

ALL DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL WITH A NOTATION INDICATING THAT THE DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN CONFORMANCE WITH THE DESIGN DIRECTION WITHIN THESE DOCUMENTS.

ALL WORK IS SUBJECT TO FIELD INSPECTION, DO NOT COVER WORK PRIOR TO CITY INSPECTION.

PLUMBING SYSTEMS

SEPARATE PERMIT(S)

SEPARATE PERMITS ARE REQUIRED FOR THE BELOW ITEMS. THE GENERAL CONTRACOTR SUBMIT PLANS FOR REVIEW AND APPROVAL TO THE LOCAL AUTHORITY HAVING JURISDICIATION.

FIRE PROTECTION SYSTEMS **FIRE ALARM SYSTEMS**

LIST OF DRAWINGS

SHEET	DRAWING NAME	CURRENT REVISION
G031	COVER PAGE	
G131	SITE PLAN & ACCESSIBLE PARKING	
G132	FIRE & LIFE SAFETY PLAN - MAIN LEVEL	
G133	FIRE & LIFE SAFETY PLAN - LOWER LEVEL	
A131	FLOOR PLAN - MAIN LEVEL	
A132	FLOOR PLAN - LOWER LEVEL	
A133	ENLARGED PLAN - TYPICAL CLASSROOM	
A231	ENLARGED TYPICAL CEILING PLAN	
A800	TYPICAL PARTITION DETAILS	
A801	TYPICAL PARTITION DETAILS	
A900	DOORS, FRAMES HARDWARE SCHEDULE & TYPICAL OPENING DETAILS	
E001	LEGEND AND ABBREVIATIONS - ELECTRICAL	
E111	MAIN LEVEL FLOOR PLAN - ELECTRICAL	
E112	LOWER LEVEL FLOOR PLAN - ELECTRICAL	

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REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - NANCY RYLES ELEMENTARY SCHOOL
10250 SW CORMORANT DR
BEAVERTON OR 97007
PERMIT

PROJECT: 21005.03
DATE: 11/10/2022

COVER PAGE
G031

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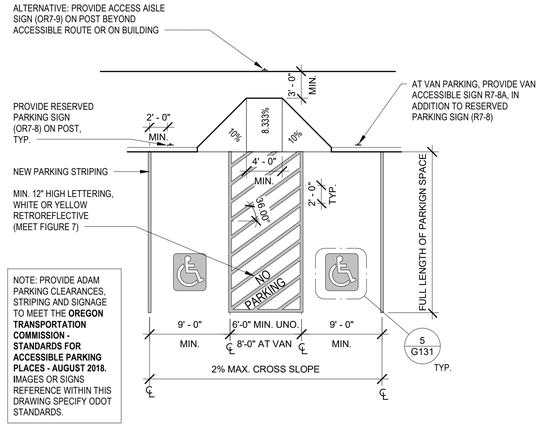
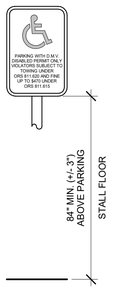


ACCESSIBLE PARKING PLAN 3
1/8" = 1'-0"



ACCESSIBLE SIGNAGE 4
3/4" = 1'-0"

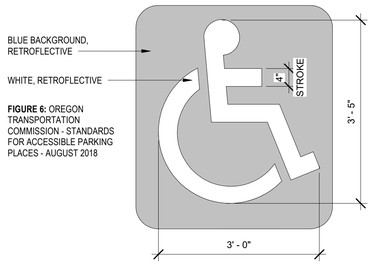
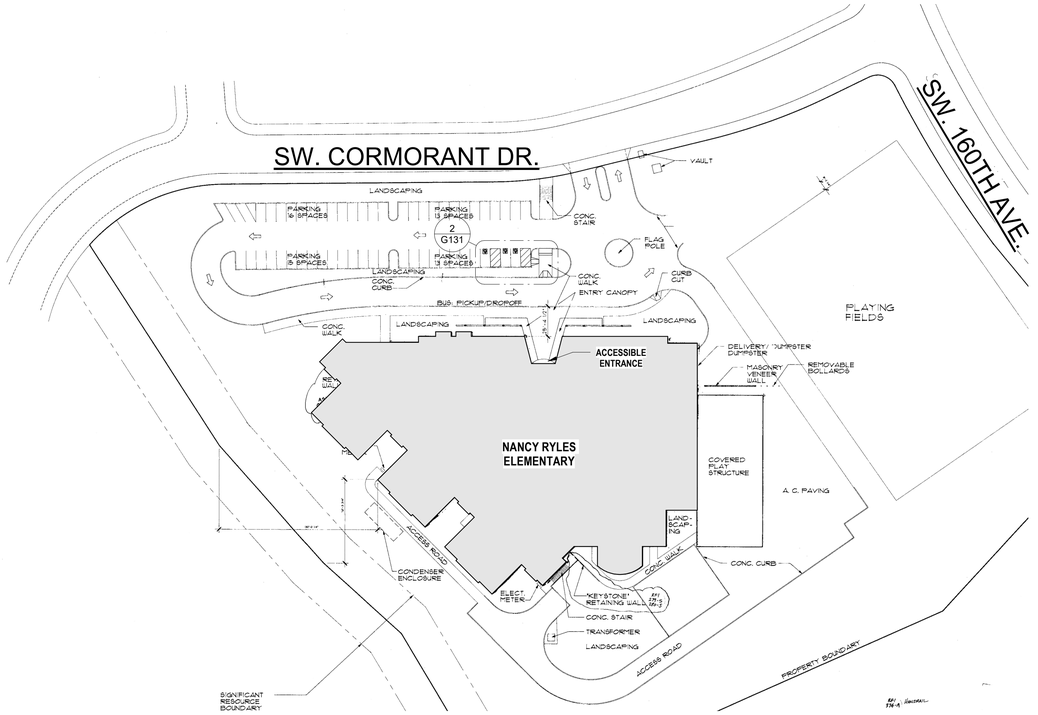
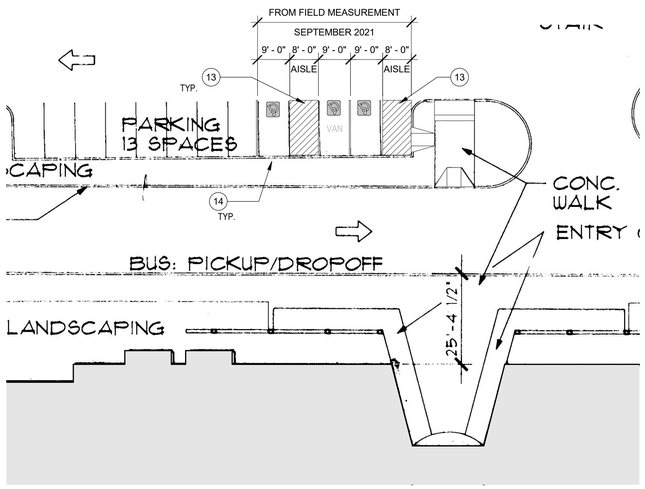


FIGURE 6: OREGON TRANSPORTATION COMMISSION - STANDARDS FOR ACCESSIBLE PARKING PLACES - AUGUST 2018

ACCESSIBLE SIGNAGE STENCILING 5
3/4" = 1'-0"



SITE PLAN 1
1" = 60'-0"



ACCESSIBLE PARKING LOCATION 6
1" = 20'-0"

ACCESSIBLE PARKING SCOPE

- REPLACE EXISTING PARKING SIGNS WITH CURRENT ODOT STANDARD (R7-8 & 7-8A) AS SHOWN ON PLAN AND PHOTOGRAPH.

- VERIFY EXISTING POLE HEIGHT MEETS REQUIREMENTS OF DETAIL 4 ON THIS PAGE. IF NON-COMPLIANT, REPLACE EXISTING POLE TO MEET CURRENT REQUIREMENTS.

- PROVIDE SUPPLEMENTAL "NO PARKING" PAVEMENT MARKING WITHIN EXISTING STRIPING AISLES. COORDINATE TIMING AND BUNDLING WITH DISTRICT IF WORK IS PERFORMED PRIOR TO THE SCOPE CONTAINED WITHIN THIS DOCUMENT SET.

EXISTING PARKING - NEW SIGNAGE SCOPE 2
1/8" = 1'-0"

KEYED NOTES - PROJECT SCOPE

1	ALIGN F.O. FINISHES, TYP.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WITHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
4	EXISTING OPERABLE PARTITION. GC TO RECYCLE IF POSSIBLE. EXISTING HEADTRACK TO REMAIN. FIELD VERIFY HEADTRACKS PRIOR TO INSTALLATION OF NEW PARTITION.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD (CFCI) ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
8	REMOVE (E) DOOR AND HARDWARE. SEE TYPICAL DETAIL FOR PATCH AND PAINT REQUIREMENTS.
11	PROVIDE STAIR LEVEL IDENTIFICATION SIGN IN RAISED CHARACTERS AND BRAILLE TO MEET THE REQUIREMENTS OF 2009 ICC A117.1 504.9 AT EACH FLOOR LEVEL LANDING ADJACENT OT THE DOOR LEADING FROM THE STAIRWELL INTO THE CORRIDOR TO IDENTIFY THE FLOOR LEVEL. PROVIDE ADDITIONAL SIGN AT STAIRWELL EXIT DOOR STATING 'EXIT.' SIGNS TO MATCH EXISTING CODE REQUIRED SIGNAGE FOR COLOR, SIZE AND FONT WITHIN THE BUILDING.
12	REPLACE EXISTING DRINKING FOUNTAIN WITH NEW MULTI SPLIT DRINKING FOUNTAIN. PATCH AND REPAIR FINISHES DAMAGED BY REMOVAL OF THE EXISTING DRINKING FOUNTAIN NOT CONCEALED BY THE NEW FOUNTAIN. SEE PL-1 FOR FIXTURE.
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
17	INSTALL OWNER PROVIDED ROOM SIGANGE, TYP. ALL SIGNAGE TO MATCH DISTRICT STANDARD AND SHALL BE CFCI
18	INSTALL NEW 3"x3"x48" STAINLESS STEEL CORNER GUARD ABOVE WALL BASE, MECHANICALLY FASTENED.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES, UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)
- REPLACEMENT OF DOUBLE LEAF DOORS INTO EXISTING COMMONS WITH NEW DOORS TO PROVIDE MINIMINUM 32" CLEARANCE AT DOOR OPENINGS (404.2 - MANUAL DOORS)
- REMOVAL OF DOOR LEAVES AT EXISTING STUDENT RESTROOMS (404.2 - MANUAL DOORS)
- INSTALLATION OF STAIR LEVEL IDENTIFICATION SIGNAGE AT EXISTING STAIRWAYS WITHIN THE ALTERED AREA (604.9)
- REPLACEMENT OF EXISTING DRINKING FOUNTAINS WITH NEW ADA COMPLIANT SPLIT DRINKING FOUNTAINS (602.5)

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

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BEAVERTON OR 97007

PERMIT

PROJECT: 21005.03
DATE: 11/10/2022

SITE PLAN & ACCESSIBLE PARKING

G131

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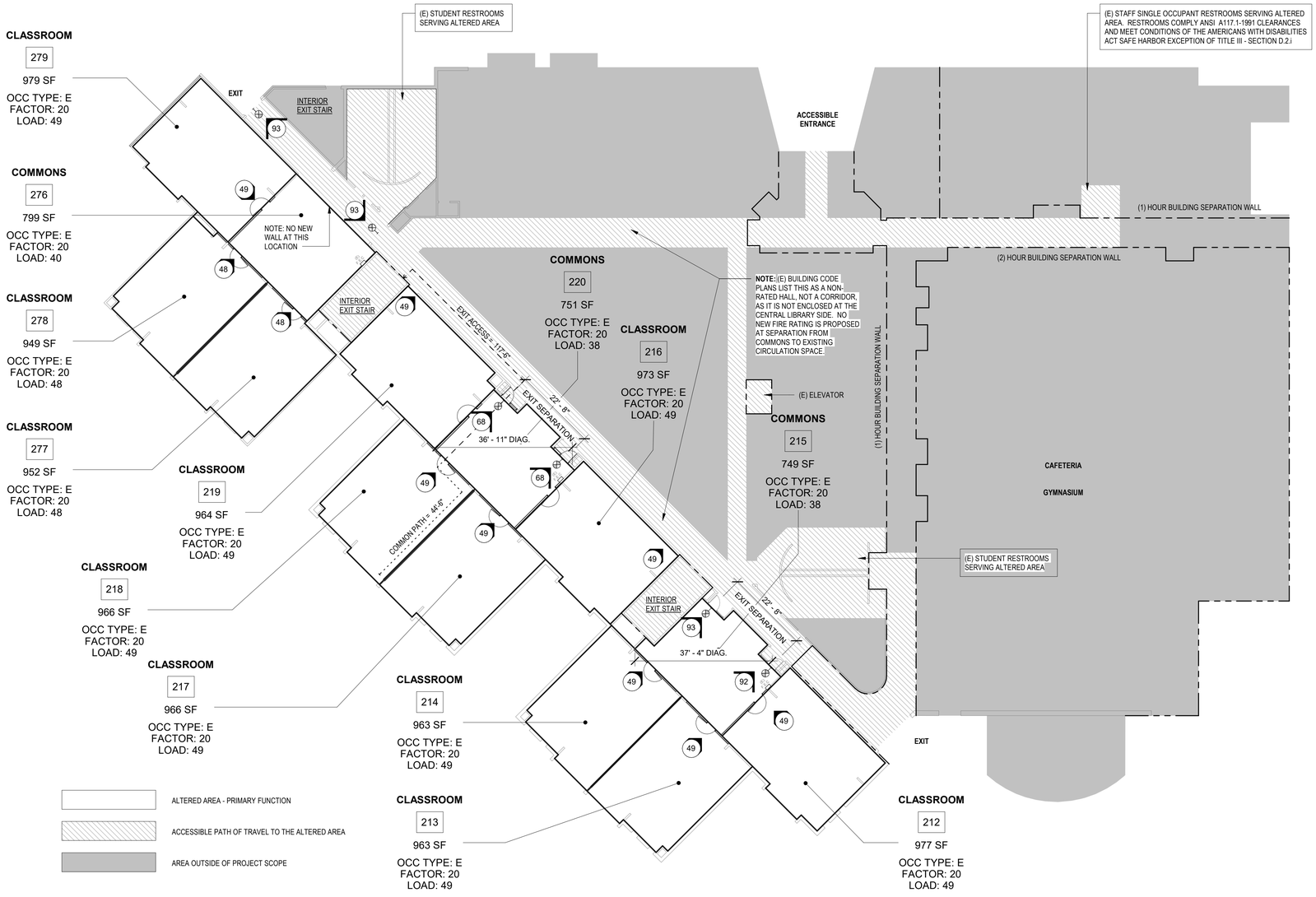

FIRE & LIFE SAFETY PLAN - MAIN LEVEL

1/16" = 1'-0" (1)

ORS 447.241 (25% ADA RULE) COMPLIANCE

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EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

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FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

CODE REQUIRED SIGANGE

A. PROVIDE REQUIRED CODE REQUIRED SIGNAGE AS PRESCRIBED BY THE OREGON STRUCTURAL SPECIALTY CODE AND THE INTERNATIONAL FIRE CODE. COORDINATE LOCATION WITH ARCHITECT AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

B. THE FOLLOWING ITEMS ARE TYPICALLY PROVIDED BY THE GENERAL CONTRACTOR, BUT MAY NOT EXHAUSTIVE OF ALL UNIQUE PROJECT REQUIREMENTS. COORDINATE EXTENT OF CODE REQUIRED SIGNAGE WITHIN THIS PROJECT WITH ARCHITECT OF RECORD PRIOR TO SUBSTANTIAL COMPLETION.

C. **OREGON SPECIALTY STRUCTURAL CODE - BASED ON THE INTERNATIONAL BUILDING CODE (IBC)**

- OCCUPANT LOAD (1004.3)
- TWO-WAY COMMUNICATION DEVICES (IBC 1007.8.2)
- AREAS OF REFUGE (IBC 1007.9)
- DELAYED EMERGENCY EXIT DOORS (IBC 1008.1.9)
- KEY LOCKS ON EGRESS SIDE OF DOORS (IBC 1008.1.9)
- EXIT SIGNAGE (IBC 1011.1)
- FLOOR IDENTIFICATION (IBC 1022.8)
- ACCESSIBILITY ELEMENTS AND DIRECTIONAL SIGNAGE (IBC 1110)
- ELEVATOR EMERGENCY SIGNS (IBC 3002.3)

D. **OREGON FIRE CODE - BASED ON THE INTERNATIONAL FIRE CODE (IFC)**

- NO SMOKING (IFC 310.3)
- PREMISES IDENTIFICATION (IFC 505.1)
- FIRE PROTECTION EQUIPMENT SIGNS (IFC 509.1)
- ELECTRICAL CONTROL ROOMS (IFC 605.3.1)
- FIRE DOORS (IFC 703.2.1)
- FIRE DEPARTMENT CONNECTIONS (IFC 912.4)

RATED ASSEMBLIES

A. WHERE RATED ASSEMBLIES ARE SHOWN ON THE FLS PLAN, PROVIDE A UL OR GA LISTED RATED ASSEMBLY TO MEET THE FIRE RATING REQUIREMENTS TO THE ARCHITECT FOR REVIEW.

B. PROVIDE A UL OR GA LISTED PERIMETER JOINT ASSEMBLY AND THROUGH PENETRATION FIRE STOP ASSMEMBLY MEETING THE FIRE RATED REQUIREMENT OF THE WALL, FLOOR/CEILING OR ROOF ASSMBLY SHOWN ON THE FLS PLANS.

C. PROVIDE A SUBMITTAL CUTSHEET TO THE ARCHITECT OF EACH SELECTED FIRE RESISTANT ASSEMBLY PRIOR TO INSTALLATION.

EMERGENCY LIGHTING REQUIREMENTS

A. MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS SERVED BY THE MEANS OF EGRESS.

B. PROVIDE MINIMUM 1 FOOT-CANDLE OF ILLUMINATION AT ALL MEANS OF EGRESS. THE POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE BUILDINGS ELECTRICAL SUPPLY. IN THE EVENT OF A POWER FAILURE, THE EMERGENCY POWER SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH 2015 IBC SECTION 2702 AND 2015 IBC SECTION 1006.

C. PRIOR TO FINAL INSPECTION, SUBMIT DOCUMENTATION SUBSTANTIATING THE COMPLETION OF TEST FOR THE MEANS OF EGRESS ILLUMINATION LEVEL PER 2015 IBC 1008.2.1, 1008.3 AND EMERGENCY POWER PER 1008.3.5.

FIRE LIFE SAFETY (BY GENERAL CONTRACTOR)

THE FOLLOWING ITEMS ARE FIRE LIFE SAFETY REQUIREMENTS TO BE COMPLETED BY THE GENERAL CONTRACTOR. PROVIDE THE APPROPRIATE SUBMITTAL TO THE ARCHITECT FOR REVIEW AND COORDINATION PRIOR TO SUBMITTING TO THE AUTHOROITY HAVING JURISDICTION.

DELEGATED DESIGN SUBMITTALS/PERMITS

A. ITEMS LISTED AS A DEFERRED SUBMITTAL OR DESIGN BUILD ITEMS ON SHEET G001 REQUIRE ENGINEERING TO BE PROVIDED BY THE GENERAL CONTRACTOR.

B. PROVIDE A COMPLETE AND ENGINEERED SYSTEM TO MEET THE DESIGN INTENT CONTAINED WITHIN THESE CONTRACT DOCUMENTS. PROVIDE A SUBMITTAL TO THE ARCHITECT FOR REVIEW OF DESIGN INTENT CONFORMANCE ONLY; THIS REVIEW DOES NOT CONSTITUTE A PROFESSIONAL PEER REVIEW OF THE SYSTEMS SUBMITTED.

C. WHERE A LICENSED DESIGN PROFESSIONAL IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR IS TO SECURE THESE SERVICES AND PROVIDE STAMPED DOCUMENTS TO MEET THE LOCAL REQUIREMENTS FOR A DEFERRED SUBMITTAL OR SEPARATE PERMIT.

D. ADDITIONAL DEFERRED SUBMITTAL OR PERMIT FEES TO BE PAID BY THE GENERAL CONTRACTOR.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

CODE SUMMARY

APPLICABLE CODES

2019 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2019 OREGON ZERO ENERGY READY COMMERCIAL CODE (OSSC CHAPTER 13)
2019 OREGON MECHANICAL SPECIALTYCODE (OMSC)
2017 OREGON PLUMBING SPECIALTY CODE (OPSC)
2017 OREGON ELECTRICAL SPECIALTY CODE (OESC)
2019 OREGON FIRE CODE
(TUALATIN VALLEY FIRE AND RESCUE FIRE CODE APPLICATION GUIDE 3.4R)
ICC/ANSI A117.1 - 2009

CITY OF BEAVERTON MUNICIPAL CODE

CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY: E (EDUCATION)

CONSTUCTION TYPE: V-B (SPRINKLERED)
STORIES: 2 ABOVE GRADE
SEPARATION: NON-SEPARATED

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME:	**0 HOURS**
BEARING WALLS:	
EXTERIOR:	**0 HOURS**
INTERIOR:	**0 HOURS**
NON BEARING WALLS AND PARTITIONS:	
EXTERIOR:	**SEE SHELL FLS PLANS**
INTERIOR:	**0 HOUR**
FLOOR CONSTRUTION:	**0 HOURS**
ROOF CONSTRUCTION:	**0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

INTERIOR EXIT STAIRWAYS, EXIT RAMPS AND EXIT PASSAGEWAYS:	**CLASS A**
CORRIDORS AND ENCLOSUES FOR EXIT STAIRWAYS AND RAMPS:	**CLASS B**
ROOMS AND ENCLOSED SPACES:	**CLASS C**

MEANS OF EGRESS (CHAPTER 10)

1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH TENANT SUITE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

1006.2.1 COMMON PATH OF EGRESS TRAVEL: THE MAXIMUM COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUPS E SHALL NOT BE MORE THAN **75 FEET** WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

1007.1.1 EXIT DISTANCE: WHERE TWO EXITS ARE REQUIRED, THE SEPARATION DISNACE SHALL NOT BE LESS THAN **1/3RD THE DIAGONAL** WITH AN AUTOMATIC SPRINKLER SYSTEM.

1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY E, SPRINKLERED: **250'**

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 44' — EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
- C.P. X' - X" — COMMON PATH OF EGRESS TRAVEL (OSSC 1014.3)
- E.A. X' - X" — EXIT ACCESS DISTANCE (OSSC 1016)
- 10 — OCCUPANT LOAD AT OPENING
- 10 — CUMMALTIVE OCCUPANT LOAD AT OPENING
- LIGHTED EXIT SIGN - CEILING MOUNTED *SHADING INDICATES LIGHTED FACE(S), DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN*
- LIGHTED EXIT SIGN - WALL MOUNTED
- F.E.C — FIRE EXTINGUISHER CABINET - COORDINATE LOCATION WITH FIRE MARSHAL

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REGISTERED ARCHITECT
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REVISIONS:

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BEAVERTON OR 97007

PERMIT

PROJECT: 21005.03
DATE: 11/10/2022

FIRE & LIFE SAFETY PLAN - MAIN LEVEL

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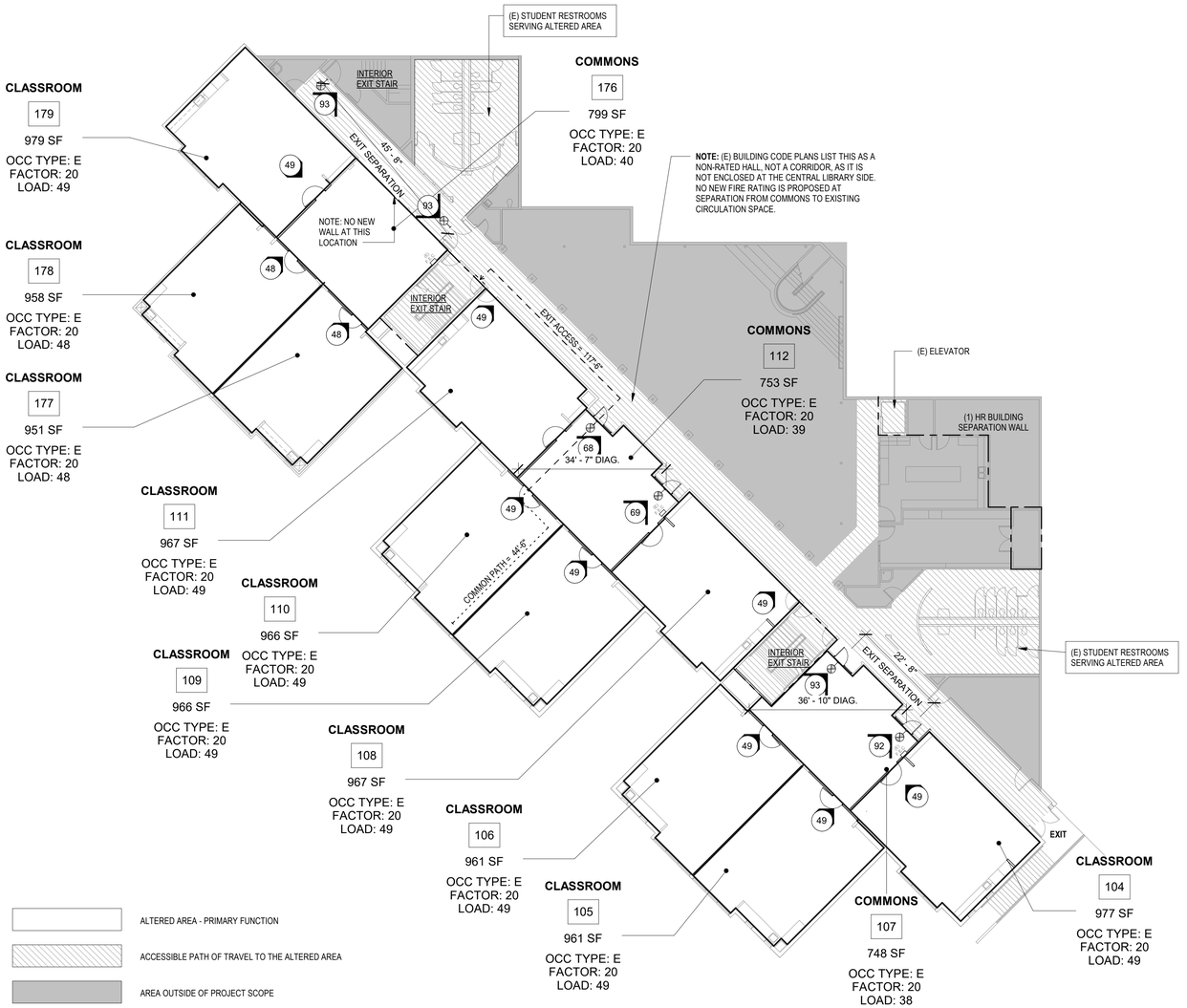

FIRE & LIFE SAFETY PLAN - LOWER LEVEL

1/16" = 1'-0"

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES, UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)
- REPLACEMENT OF DOUBLE LEAF DOORS INTO EXISTING COMMONS WITH NEW DOORS TO PROVIDE MINIMINUM 32" CLEARANCE AT DOOR OPENINGS (404.2 - MANUAL DOORS)
- REMOVAL OF DOOR LEAVES AT EXISTING STUDENT RESTROOMS (404.2 - MANUAL DOORS)
- INSTALLATION OF STAIR LEVEL IDENTIFICATION SIGNAGE AT EXISTING STAIRWAYS WITHIN THE ALTERED AREA (504.9)
- REPLACEMENT OF EXISTING DRINKING FOUNTAINS WITH NEW ADA COMPLIANT SPLIT DRINKING FOUNTAINS (602.5)

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

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A. PROVIDE REQUIRED CODE REQUIRED SIGNAGE AS PRESCRIBED BY THE OREGON STRUCTURAL SPECIALTY CODE AND THE INTERNATIONAL FIRE CODE. COORDINATE LOCATION WITH ARCHITECT AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

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- FIRE DOORS (IFC 703.2.1)
- FIRE DEPARTMENT CONNECTIONS (IFC 912.4)

RATED ASSEMBLIES

A. WHERE RATED ASSEMBLIES ARE SHOWN ON THE FLS PLAN, PROVIDE A UL OR GA LISTED RATED ASSEMBLY TO MEET THE FIRE RATING REQUIREMENTS TO THE ARCHITECT FOR REVIEW.

B. PROVIDE A UL OR GA LISTED PERIMETER JOINT ASSEMBLY AND THROUGH PENETRATION FIRE STOP ASSMEMBLY MEETING THE FIRE RATED REQUIREMENT OF THE WALL, FLOOR/CEILING OR ROOF ASSMBLY SHOWN ON THE FLS PLANS.

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EMERGENCY LIGHTING REQUIREMENTS

A. MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS SERVED BY THE MEANS OF EGRESS.

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C. PRIOR TO FINAL INSPECTION, SUBMIT DOCUMENTATION SUBSTANTIATING THE COMPLETION OF TEST FOR THE MEANS OF EGRESS ILLUMINATION LEVEL PER 2015 IBC 1008.2.1, 1008.3 AND EMERGENCY POWER PER 1008.3.5.

FIRE LIFE SAFETY (BY GENERAL CONTRACTOR)

THE FOLLOWING ITEMS ARE FIRE LIFE SAFETY REQUIREMENTS TO BE COMPLETED BY THE GENERAL CONTRACTOR. PROVIDE THE APPROPRIATE SUBMITTAL TO THE ARCHITECT FOR REVIEW AND COORDINATION PRIOR TO SUBMITTING TO THE AUTHOROITY HAVING JURISDICTION.

DELEGATED DESIGN SUBMITTALS/PERMITS

A. ITEMS LISTED AS A DEFERRED SUBMITTAL OR DESIGN BUILD ITEMS ON SHEET G001 REQUIRE ENGINEERING TO BE PROVIDED BY THE GENERAL CONTRACTOR.

B. PROVIDE A COMPLETE AND ENGINEERED SYSTEM TO MEET THE DESIGN INTENT CONTAINED WITHIN THESE CONTRACT DOCUMENTS. PROVIDE A SUBMITTAL TO THE ARCHITECT FOR REVIEW OF DESIGN INTENT CONFORMANCE ONLY; THIS REVIEW DOES NOT CONSTITUTE A PROFESSIONAL PEER REVIEW OF THE SYSTEMS SUBMITTED.

C. WHERE A LICENSED DESIGN PROFESSIONAL IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR IS TO SECURE THESE SERVICES AND PROVIDE STAMPED DOCUMENTS TO MEET THE LOCAL REQUIREMENTS FOR A DEFERRED SUBMITTAL OR SEPARATE PERMIT.

D. ADDITIONAL DEFERRED SUBMITTAL OR PERMIT FEES TO BE PAID BY THE GENERAL CONTRACTOR.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

CODE SUMMARY

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2019 OREGON FIRE CODE
(TUALATIN VALLEY FIRE AND RESCUE FIRE CODE APPLICATION GUIDE 3.4R)
ICC/ANSI A117.1 - 2009

CITY OF BEAVERTON MUNICIPAL CODE

CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY:	E (EDUCATION)
CONSTUCTION TYPE:	V-B (SPRINKLERED)
STORIES:	2 ABOVE GRADE
SEPARATION:	NON-SEPARATED

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME:	**0 HOURS**
BEARING WALLS:	
EXTERIOR:	**0 HOURS**
INTERIOR:	**0 HOURS**
NON BEARING WALLS AND PARTITIONS:	
EXTERIOR:	**SEE SHELL FLS PLANS**
INTERIOR:	**0 HOUR**
FLOOR CONSTRUTION:	**0 HOURS**
ROOF CONSTRUCTION:	**0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

INTERIOR EXIT STAIRWAYS, EXIT RAMPS AND EXIT PASSAGEWAYS:	**CLASS A**
CORRIDORS AND ENCLOSUES FOR EXIT STAIRWAYS AND RAMPS:	**CLASS B**
ROOMS AND ENCLOSED SPACES:	**CLASS C**

MEANS OF EGRESS (CHAPTER 10)

1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH TENANT SUITE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

1006.2.1 COMMON PATH OF EGRESS TRAVEL: THE MAXIMUM COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUPS E SHALL NOT BE MORE THAN **75 FEET** WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

1007.1.1 EXIT DISTANCE: WHERE TWO EXITS ARE REQUIRED, THE SEPARATION DISNACE SHALL NOT BE LESS THAN **1/3RD THE DIAGONAL** WITH AN AUTOMATIC SPRINKLER SYSTEM.

1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY E, SPRINKLERED: **250'**

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 44' — EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
- C.P. X' - X" — COMMON PATH OF EGRESS TRAVEL (OSSC 1014.3)
- E.A. X' - X" — EXIT ACCESS DISTANCE (OSSC 1016)
- 10 — OCCUPANT LOAD AT OPENING
- 10 — CUMMALTIVE OCCUPANT LOAD AT OPENING
- LIGHTED EXIT SIGN - CEILING MOUNTED *SHADING INDICATES LIGHTED FACE(S), DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN*
- LIGHTED EXIT SIGN - WALL MOUNTED
- F.E.C — FIRE EXTINGUISHER CABINET - COORDINATE LOCATION WITH FIRE MARSHAL

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REGISTERED ARCHITECT
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OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - NANCY RYLES ELEMENTARY SCHOOL
10250 SW CORMORANT DR
BEAVERTON OR 97007

PERMIT

PROJECT: 21005.03
DATE: 11/10/2022

FIRE & LIFE SAFETY PLAN - LOWER LEVEL

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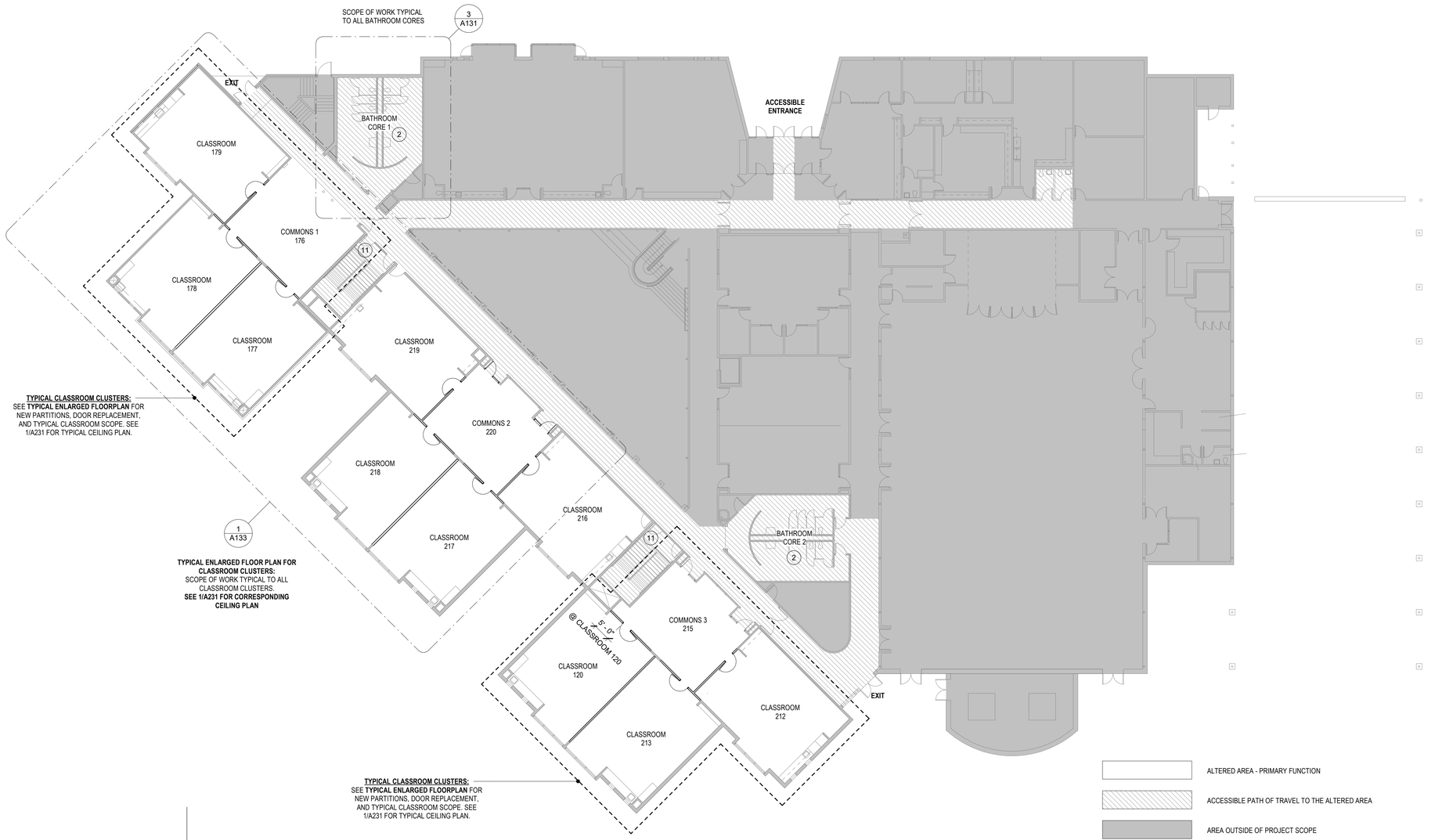
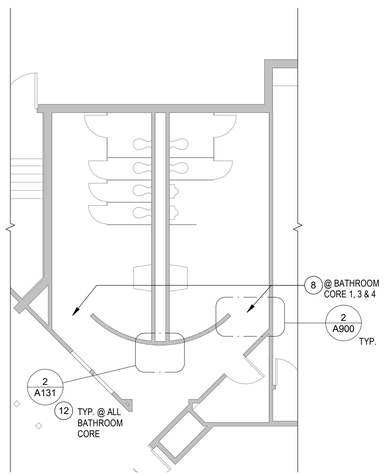


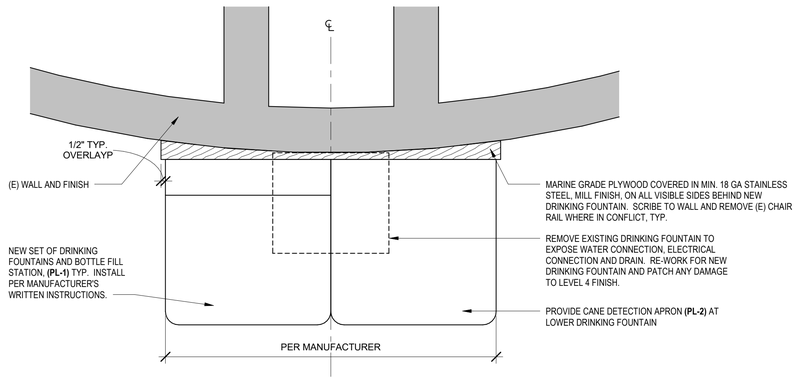
FLOOR PLAN - MAIN LEVEL 1

1/16" = 1'-0"



TYPICAL RESTROOM PLAN 3

1/8" = 1'-0"



DRINKING FOUNTAIN - BLOCKING 2

1 1/2" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. REFER TO SHEET G101 FOR LOCATION OF RATED WALLS. MAINTAIN ALL RATINGS THROUGH RATED ASSEMBLIES INCLUDING THROUGH PENETRATIONS AND PERIMETER JOINT ASSEMBLIES.

C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

F. WHERE DIMENSIONS ARE LISTED AS 'CRITICAL CLEAR' THESE DIMENSIONS MUST ABSULUTELY BE HELD FOR ADA OR EGRESS COMPLIANCE. DIMENSIONS LISTED WITH '+/-' TYPICALLY HAVE SOME CONSTRUCTION TOLERANCE.

G. PATCH AREAS ADJACENT OR ADJOINING DEMOLITION WORK TO MATCH EXISTING AND/OR NEW CONSTRUCTION.

H. ALL NEW GYPSUM BOARD WALL SURFACES TO RECEIVE A SMOOTH, LEVEL 4 FINISH PER AWCI STANDARDS.

I. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

KEYED NOTES - PROJECT SCOPE

1	ALIGN F.O. FINISHES, TYP.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WTIHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
4	EXISTING OPERABLE PARTITION. GC TO RECYCLE IF POSSIBLE. EXISTING HEADTRACK TO REMAIN. FIELD VERIFY HEADTRACKS PRIOR TO INSTALLATION OF NEW PARTITION.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD (CFCI) ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
8	REMOVE (E) DOOR AND HARDWARE. SEE TYPICAL DETAIL FOR PATCH AND PAINT REQUIREMENTS.
11	PROVIDE STAIR LEVEL IDENTIFICATION SIGN IN RAISED CHARACTERS AND BRAILLE TO MEET THE REQUIREMENTS OF 2009 ICC A117.1 504.9 AT EACH FLOOR LEVEL LANDING ADJACENT OT THE DOOR LEADING FROM THE STAIRWELL INTO THE CORRIDOR TO IDENTIFY THE FLOOR LEVEL. PROVIDE ADDITIONAL SIGN AT STAIRWELL EXIT DOOR STATING 'EXIT.' SIGNS TO MATCH EXISTING CODE REQUIRED SIGNAGE FOR COLOR, SIZE AND FONT WITHIN THE BUILDING.
12	REPLACE EXISTING DRINKING FOUNTAIN WITH NEW MULTI SPLIT DRINKING FOUNTAIN. PATCH AND REPAIR FINISHES DAMAGED BY REMOVAL OF THE EXISTING DRINKING FOUNTAIN NOT CONCEALED BY THE NEW FOUNTAIN. SEE PL-1 FOR FIXTURE.
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
17	INSTALL OWNER PROVIDED ROOM SIGANGE, TYP. ALL SIGNAGE TO MATCH DISTRICT STANDARD AND SHALL BE CFCI
18	INSTALL NEW 3"x3"x48" STAINLESS STEEL CORNER GUARD ABOVE WALL BASE, MECHANICALLY FASTENED.

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FLOOR PLAN - MAIN LEVEL

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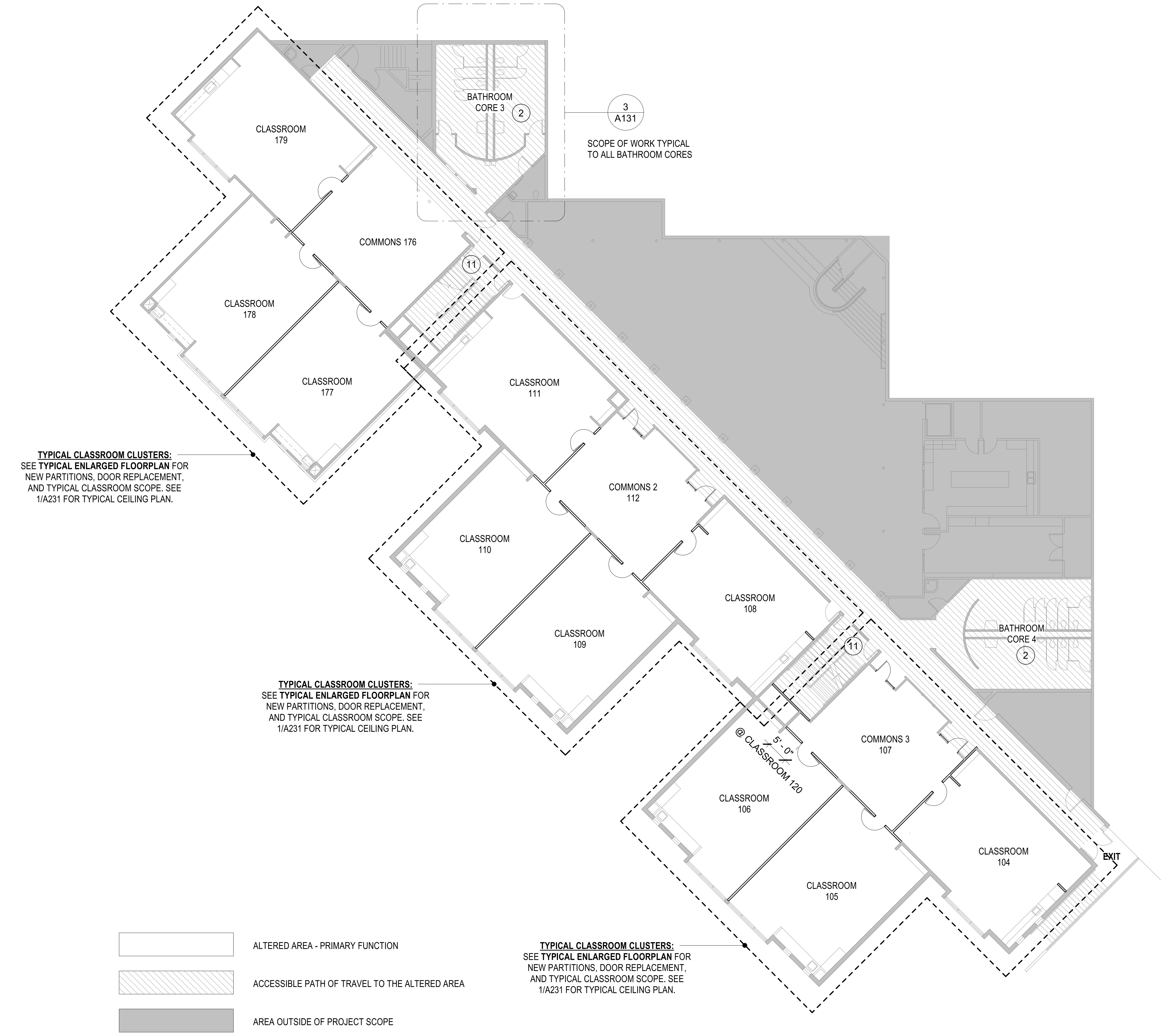

FLOOR PLAN - LOWER LEVEL 1
1/16" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. REFER TO SHEET G101 FOR LOCATION OF RATED WALLS. MAINTAIN ALL RATINGS THROUGH RATED ASSEMBLIES INCLUDING THROUGH PENETRATIONS AND PERIMETER JOINT ASSEMBLIES.

C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

F. WHERE DIMENSIONS ARE LISTED AS 'CRITICAL CLEAR' THESE DIMENSIONS MUST ABSULUTELY BE HELD FOR ADA OR EGRESS COMPLIANCE. DIMENSIONS LISTED WITH '+/-' TYPICALLY HAVE SOME CONSTRUCTION TOLERANCE.

G. PATCH AREAS ADJACENT OR ADJOINING DEMOLITION WORK TO MATCH EXISTING AND/OR NEW CONSTRUCTION.

H. ALL NEW GYPSUM BOARD WALL SURFACES TO RECEIVE A SMOOTH, LEVEL 4 FINISH PER AWCI STANDARDS.

I. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

KEYED NOTES - PROJECT SCOPE

1	ALIGN F.O. FINISHES, TYP.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WTIHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
4	EXISTING OPERABLE PARTITION. GC TO RECYCLE IF POSSIBLE. EXISTING HEADTRACK TO REMAIN. FIELD VERIFY HEADTRACKS PRIOR TO INSTALLATION OF NEW PARTITION.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD (CFCI) ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
8	REMOVE (E) DOOR AND HARDWARE. SEE TYPICAL DETAIL FOR PATCH AND PAINT REQUIREMENTS.
11	PROVIDE STAIR LEVEL IDENTIFICATION SIGN IN RAISED CHARACTERS AND BRAILLE TO MEET THE REQUIREMENTS OF 2009 ICC A117.1 504.9 AT EACH FLOOR LEVEL LANDING ADJACENT OT THE DOOR LEADING FROM THE STAIRWELL INTO THE CORRIDOR TO IDENTIFY THE FLOOR LEVEL. PROVIDE ADDITIONAL SIGN AT STAIRWELL EXIT DOOR STATING 'EXIT.' SIGNS TO MATCH EXISTING CODE REQUIRED SIGNAGE FOR COLOR, SIZE AND FONT WITHIN THE BUILDING.
12	REPLACE EXISTING DRINKING FOUNTAIN WITH NEW MULTI SPLIT DRINKING FOUNTAIN. PATCH AND REPAIR FINISHES DAMAGED BY REMOVAL OF THE EXISTING DRINKING FOUNTAIN NOT CONCEALED BY THE NEW FOUNTAIN. SEE PL-1 FOR FIXTURE.
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
17	INSTALL OWNER PROVIDED ROOM SIGANGE, TYP. ALL SIGNAGE TO MATCH DISTRICT STANDARD AND SHALL BE CFCI
18	INSTALL NEW 3"x3"x48" STAINLESS STEEL CORNER GUARD ABOVE WALL BASE, MECHANICALLY FASTENED.

HBX STUDIO
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REGISTERED ARCHITECT
MICHAEL BARRETT
OR
No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - NANCY RYLES ELEMENTARY SCHOOL
10250 SW CORMORANT DR
BEAVERTON OR 97007

PERMIT

PROJECT: 21005.03
DATE: 11/10/2022

FLOOR PLAN - LOWER LEVEL

A132

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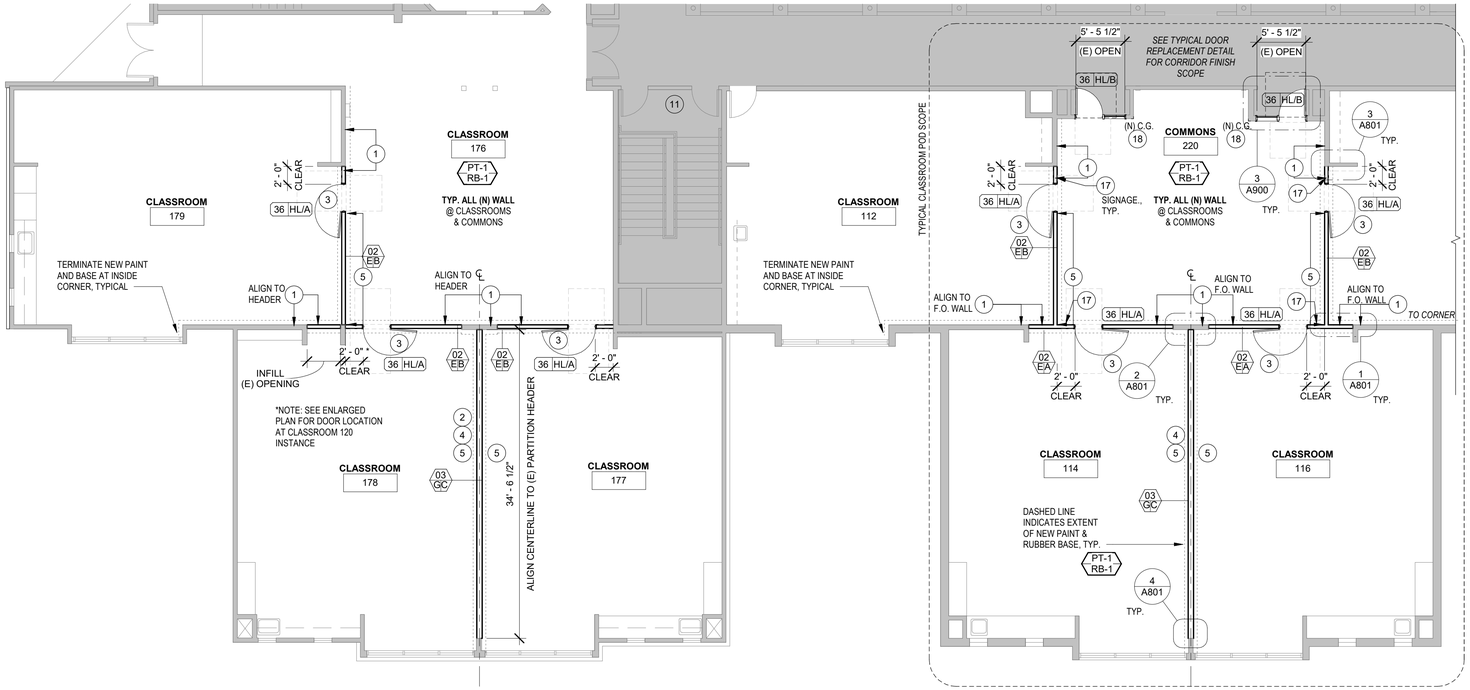
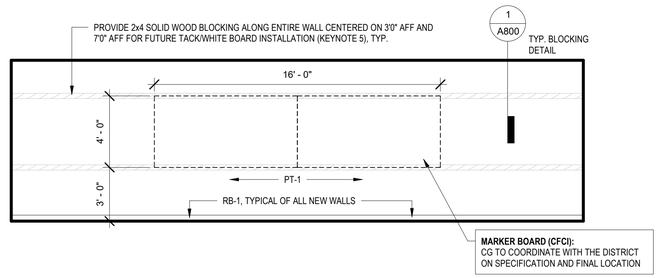


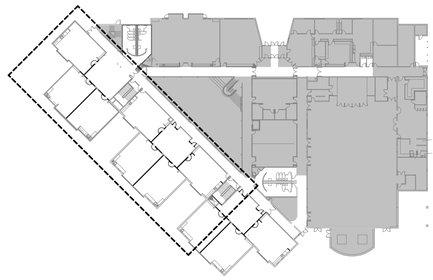
ENLARGED PLAN - TYPICAL CLASSROOM

1/8" = 1'-0" (1)



TYPICAL ELEVATION - CLASSROOM WALL

1/4" = 1'-0" (3)



KEY PLAN

1" = 60'-0" (K)

FINISH SCHEDULE

NOTE - INSTALL ALL FINISHES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

06 05 60 - PLASTIC LAMINATES

PLAM-1
MANUFACTURER: WILSONART
COLOR: D504 FOSSIL SHALE
FINISH: 60 MATTE
LOCATIONS: DOOR FRAME BOTTOM SPANDREL

09 91 00 - PAINTS AND COATINGS

PT-1:
MANUFACTURER: RODDA PAINT
PRODUCT: UNIQUE II LOW-GLOSS (532001)
COLOR: MATCH BUILDING STANDARD
FINISH: LOW GLOSS EGGSHELL
LOCATIONS: WALL FINISH

PT-2:
MANUFACTURER: RODDA PAINT
PRODUCT: MULTI MASTER DTM OR EQUAL
COLOR: TBD
LOCATIONS: DOOR FRAME

09 65 00 - RESILIENT FLOORING & BASE

CPT-1 (OFCI)
MANUFACTURER: TBD
COLOR: TBD
FINISH: TBD
LOCATIONS: COMMONS DOOR THRESHOLD
NOTE: GC TO COORDINATE WITH OVERSTOCK INVENTORY OF EXISTING CARPET WITH THE DISTRICT.

RB-1:
MANUFACTURER: FLEXCO
PRODUCT: WALLFLOWERS RUBBER COVE BASE
SIZE: 4"
COLOR: TDB
LOCATIONS: AT WALLS WHERE NEW PAINT IS APPLIED, TYPICAL

PLUMBING SCHEDULE - 22 40 00

ALL FIXTURES TO BE ADA COMPLIANT MODELS

PL-1
DRINKING FOUNTAIN
MANUFACTURER: ELKAY
MODEL: EMABFTL8WSLK
SOFT SIDES BI-LEVEL FOUNTAIN + BOTTLE FILL, NON-FILTERED
SIZE:TBD
LOCATION: REPLACEMENT TO EXISTING

NOTES: *PROVIDE ADDITIONAL SOLID BLOCKING OR ELKAY BARRIER IF EXISTING BLOCKING IS NOT SUFFICIENT*

PL-2
DRINKING FOUNTAIN - CANE APRON
MANUFACTURER: ELKAY
MODEL: 9813C

NOTES: COORDINATE WITH DRINKING FOUNTAIN MODEL, PROVIDE A HIGH SIDE ONLY

KEYED NOTES - PROJECT SCOPE

1	ALIGN F.O. FINISHES, TYP.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WITHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
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GENERAL NOTES - FLOOR PLAN

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. REFER TO SHEET G101 FOR LOCATION OF RATED WALLS. MAINTAIN ALL RATINGS THROUGH RATED ASSEMBLIES INCLUDING THROUGH PENETRATIONS AND PERIMETER JOINT ASSEMBLIES.

C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

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I. PROVIDE SOLID BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

LEGEND - FLOOR PLANS

WALL TAG — 01 / EA: WALL TYPE PER ASSEMBLY; BRACING CONDITION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE — 102: DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE — 34 / A: DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG — A: WINDOW TYPE - SEE SCHEDULE

KEY NOTE — 1.: KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

LIGHTING AND CEILING MATERIALS - LEGEND

FINISHES KEY. SEE FINISH SCHEDULE FOR TYPES

ACT-1: (24 x 48) — GWB: (SEE TYPE)

WALL BRACING KEY - REFER TO PARTITION DETAILS

- **COMPOSITE WALL TO PARTITION TRACK** - SEE WALL DETAIL C/A800.
- **BRACED WALL, BELOW GWB HEADER** - SEE WALL DETAIL B/A800.
- **BRACED WALL, BELOW TILE CEILING** - SEE WALL DETAIL A/A800.
- **EXISTING WALLS**

CEILING TAG — ACT-1 / 10-0": CEILING TYPE - SEE SCHEDULE; CEILING HEIGHT AFF

LIGHTING & FIXTURE KEY. SEE SPECIFICATIONS AND ELEVATIONS FOR DETAILS

LIGHTING TAG - SEE SCHEDULE — **EXISTING TROFFER FIXTURE -** 2 x 4

$ **SWITCH LOCATION**
D = DIMABLE
OS = OCCUPANCY SENSOR
3 = 3-WAY SWITCH

EXIT LIGHT (BATTERY BACKUP) - ARROW DESIGNATES DIRECTION

OUTLET LOCATION - ABOVE 96" CEILING

HVAC SYMBOLS. SEE MECHANICAL SHEETS AND SPECIFICATIONS FOR DETAILS

NOTE:
CONCTRACTOR TO REPLACE CEILING TILE AND GRID TO THE EXTENT REQUIRED TO ACCOMMODATE NEW DUCT WORK.

- **NEW RETURN GRILL**
- **EXISTING SUPPLY DIFFUSER**
- **EXISTING RETURN GRILL**
- **HVAC ELEMENT TO BE DEMOLISHED**

TYPICAL MECHANICAL DESIGN/BUILD SCOPE

NO HVAC MODIFICATIONS ARE ANTICIPATED FOR THIS SCHOOL. TEST AND BALANCE THE EXISTING SYSTEM FOLLOWING COMPLETION OF CLASSROOM ENCLOSURE.

REFER TO HVAC DD NARRATIVE FOR MORE INFORMATION AND SCHEMATIC SKETCH OF PROPOSED WORK

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

HBX STUDIO
HBX-STUDIO.COM
810 SE SALMON ST, SUITE 960, PORTLAND, OREGON 97214

REGISTERED ARCHITECT — MICHAEL BARRETT — OR No. 5889 — STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - NANCY RYLES ELEMENTARY SCHOOL
10250 SW CORMORANT DR
BEAVERTON OR 97007

PERMIT

PROJECT: 21005.03
DATE: 11/10/2022

ENLARGED PLAN - TYPICAL CLASSROOM

A133

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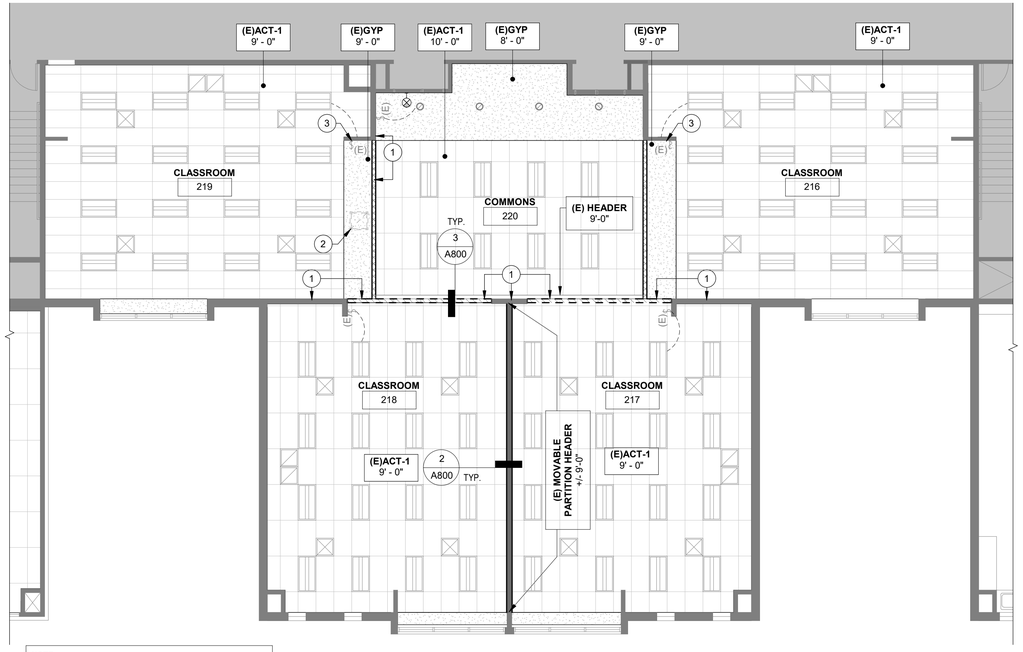
KEYED NOTES - RCP

1	ALIGN FACE OF FINISH.
2	ADDITIONAL SCOPE: RELOCATE (E) RETURN GRILLE AS NECESSARY. GC TO CONFIRM WITH ARCHITECT ON EXTENT OF DEMOLITION, RELOCATION AND REPAIR OF HARDLID SOFFIT. ADJUST COLLAR AS NEEDED.
3	RELOCATE (E) LIGHT SWITCH FROM THIS LOCATION; SEE ELECTRICAL DRAWINGS



NOTE:
NO MECHANICAL SCOPE ANTICIPATED IN THIS PROJECT.
SEE ELECTRICAL FOR ALL EXISTING TO REMAIN AND
EXISTING TO RELOCATE EXIT SIGNS AND LIGHT SWITCHES.

TYPICAL ENLARGED CEILING PLAN 1
1/8" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - REFLECTED CEILING PLANS

A. LIGHTING SHOWN IS FOR DESIGN INTENT ONLY. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE LIGHTING SYSTEM THAT MEETS ALL LOCAL REGULATORY CODES. REFER TO G001 FOR DESIGN BUILD REQUIREMENTS, G101 FOR EMERGENCY LIGHTING REQUIREMENTS AND THE LOCAL ENERGY CODE FOR DAYLIGHT ZONE REQUIREMENTS.

1. SPECIFICATION OF LUMENS AND/OR LIGHT LEVELS IS DESIGN/BUILD. IN GENERAL, PROVIDE LIGHT LEVELS TO MATCH THE ILLUMINATED ENGINEERING SOCIETY (IES) LIGHTING HANDBOOK RECOMMENDATIONS.
2. CONFIRM AND PROVIDE EMERGENCY EGRESS LIGHTING OF A MINIMUM 1 FC AT ALL TIMES ALONG EGRESS PATHS. COORDINATE SWITCHING, GENERATOR POWER OR BATTERY BACKUP OF ALL LIGHT FIXTURES.

B. DESIGN REQUIREMENT FOR ALL CEILINGS MUST MEET THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE FOR SEISMIC CATEGORIES D, E & F, ASCE 7-02, OR-05, OR CISCA RECORDATION FOR SEISMIC ZONES 3 & 4 OR TO THE LOCAL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. SEE GENERAL NOTES ON A810 FOR DESIGN REQUIREMENTS.

C. COORDINATE ALL SWITCHING WITH OWNER FOR PREFERRED LOCATIONS.

1. ALL OFFICES AND INDIVIDUAL ROOMS TO BE SWITCHED INDEPENDENTLY. PROVIDE AN OCCUPANCY SENSOR TO ALL ENCLOSED ROOMS.
2. COORDINATE OPEN AREA SWITCHING WITH THE TENANT FOR PREFERRED LOCATIONS.
3. COORDINATE FINAL LOCATION OF PENDANTS WITH FURNITURE. VERIFY LOCATION WITH OWNER OR DESIGNER PRIOR TO FINAL PLACEMENT.
4. WHERE ACCENT LIGHTING IS DESIGNATED, SEPARATE SWITCHING IS PROPOSED AND DESIGNATED BY DASHED LINES WITHIN THIS DRAWING.

D. CENTER ALL FIXTURES AND SPRINKLER HEADS WITHIN CEILING TILES, ALIGN RECESSED FIXTURES AND SPRINKLER SYSTEMS.

E. CENTER ALL LIGHTING FIXTURES BETWEEN CEILING GRID OR ADJACENT WALLS, UNLESS INDICATED OTHERWISE.

F. WHERE LIGHTING FIXTURES ARE PROPOSED WITHIN ROOMS WITH AN OPEN CEILING, PROVIDE SUFFICIENT SUPPORT SUCH AS UNISTRUT OR TIE WIRES TO SUSPEND FIXTURES AT 9'-6" AFF UNLESS NOTED OTHERWISE.

G. WITHIN NON-ACT CEILINGS (I.E. HARDLID), PROVIDE THE FOLLOWING :

SPRINKLER HEADS:	FULLY CONCEALED, COLOR TO MATCH CEILING
HVAC GRILLS:	LINEAR DIFFUSERS AND RETURNS
ACCESS PANELS:	FULLY FLUSH RECESSED

H. WHERE CEILINGS RECEIVE A FINISH OTHER THAN WHITE PAINT OR MANUFACTURER'S ACT, PROVIDE WALL MOUNTED STROBES, HORNS, EGRESS SIGNS OR OTHER CODE REQUIRED ITEMS.

I. SEE SECTION 01 91 13 - GENERAL COMMISSIONING REQUIREMENTS FOR MECHANICAL AND CONTROL SCOPE TO BE COMMISSIONED.

LIGHTING AND CEILING MATERIALS - LEGEND

FINISHES KEY. SEE FINISH SCHEDULE FOR TYPES

ACT-1: (24 x 48)

GWB: (SEE TYPE)

WALL BRACING KEY - REFER TO PARTITION DETAILS

COMPOSITE WALL TO PARTITION TRACK - SEE WALL DETAIL C/A800.

BRACED WALL, BELOW GWB HEADER - SEE WALL DETAIL B/A800.

BRACED WALL, BELOW TILE CEILING - SEE WALL DETAIL A/A800.

EXISTING WALLS

CEILING TAG

ACT-1
10-0"
CEILING TYPE - SEE SCHEDULE
CEILING HEIGHT AFF

LIGHTING & FIXTURE KEY. SEE SPECIFICATIONS AND ELEVATIONS FOR DETAILS

LIGHTING TAG - SEE SCHEDULE

FLX

EXISTING TROFFER FIXTURE - 2 x 4

EXISTING LINEAR PENDANT - 96"

EXISTING RECESSED LIGHT

THERMOSTAT SEE MECHANICAL

$ **SWITCH LOCATION**

EXIT LIGHT (BATTERY BACKUP) EXISTING

NEW/RELOCATED

D = DIMABLE
OS = OCCUPANCY SENSOR
3 = 3-WAY SWITCH

96" **OUTLET LOCATION** - ABOVE CEILING

HVAC SYMBOLS. SEE MECHANICAL SHEETS AND SPECIFICATIONS FOR DETAILS

NOTE:
CONCTRACTOR TO REPLACE CEILING TILE AND GRID TO THE EXTENT REQUIRED TO ACCOMMODATE NEW DUCT WORK.

NEW RETURN GRILL

EXISTING SUPPLY DIFFUSER

EXISTING RETURN GRILL

D **HVAC ELEMENT TO BE DEMOLISHED**

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BEAVERTON OR 97007

PERMIT

PROJECT: 21005.03
DATE: 11/10/2022

ENLARGED TYPICAL CEILING PLAN

A231

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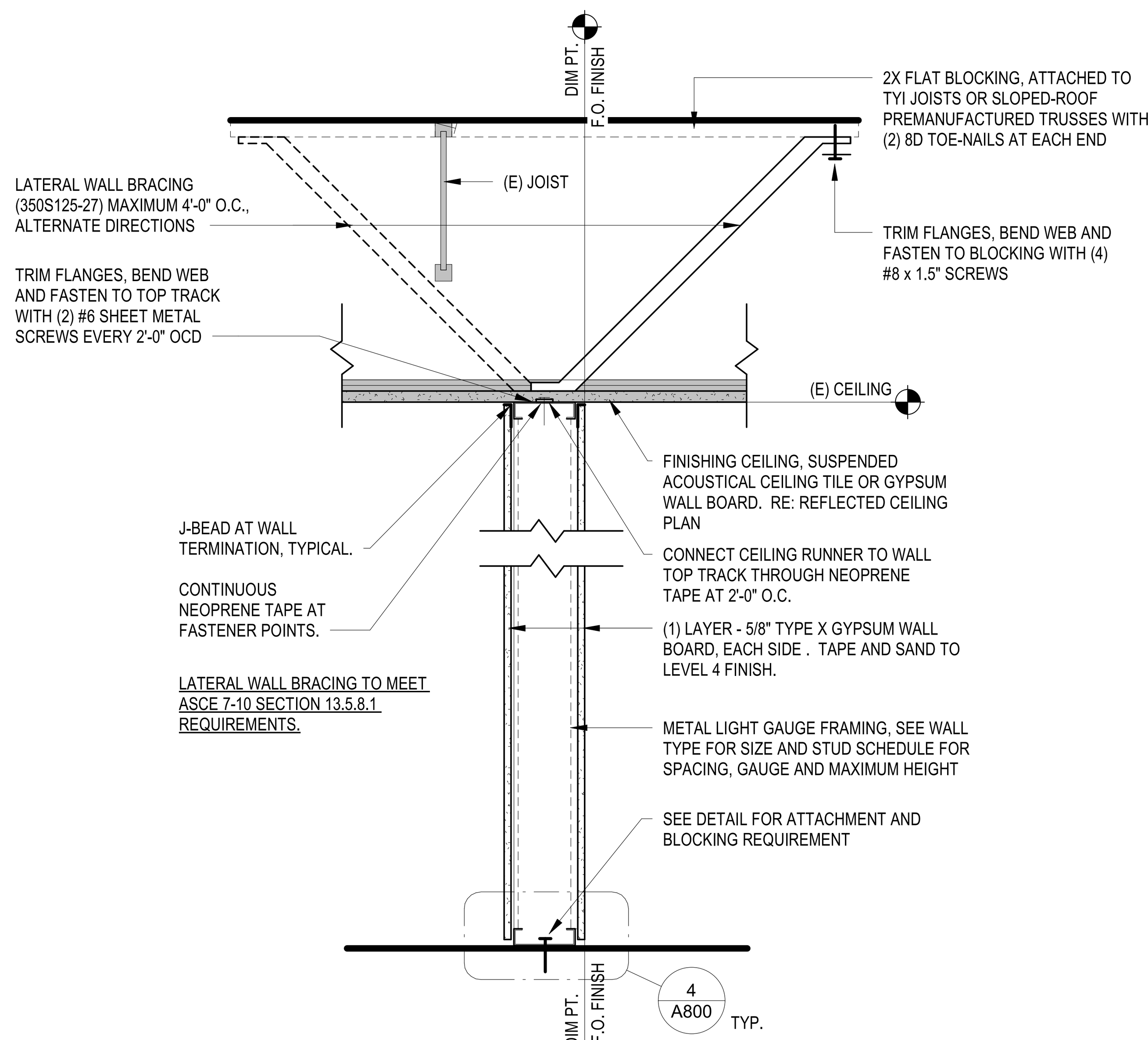
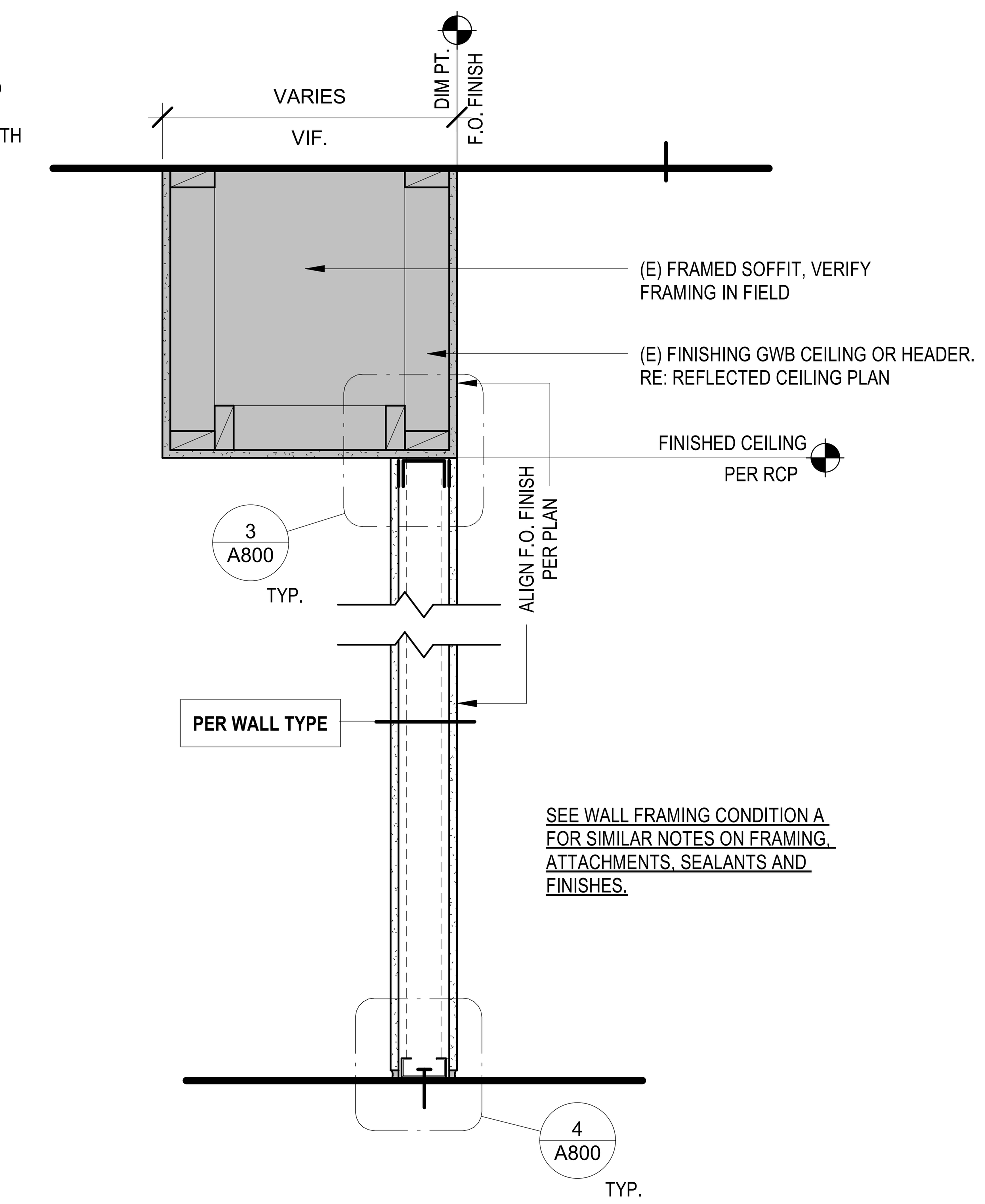
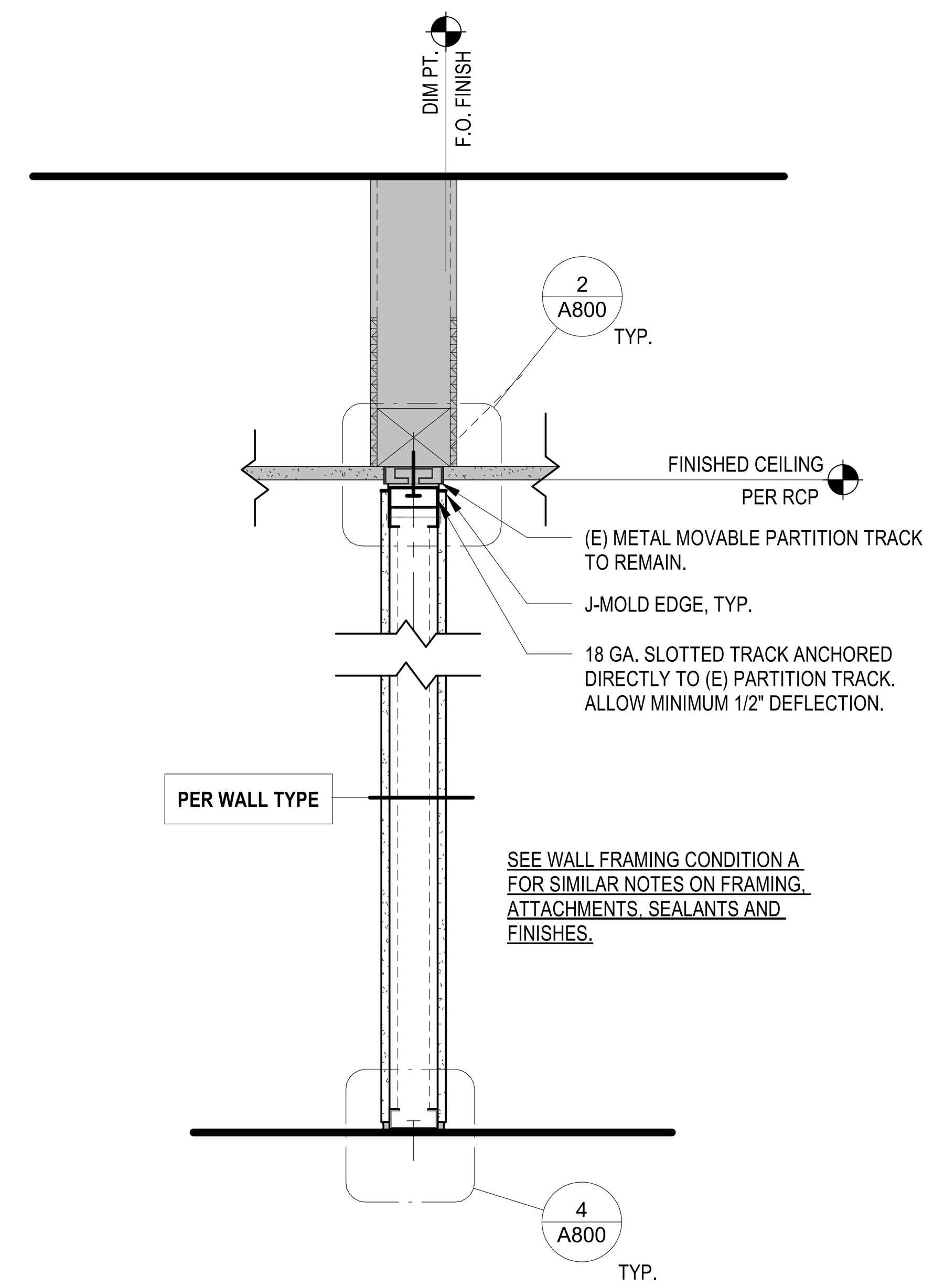


BRACED WALL @ (E) ACT (A)
1" = 1'-0"



BRACED WALL @ (E) SOFFIT/HEADER (B)
1" = 1'-0"

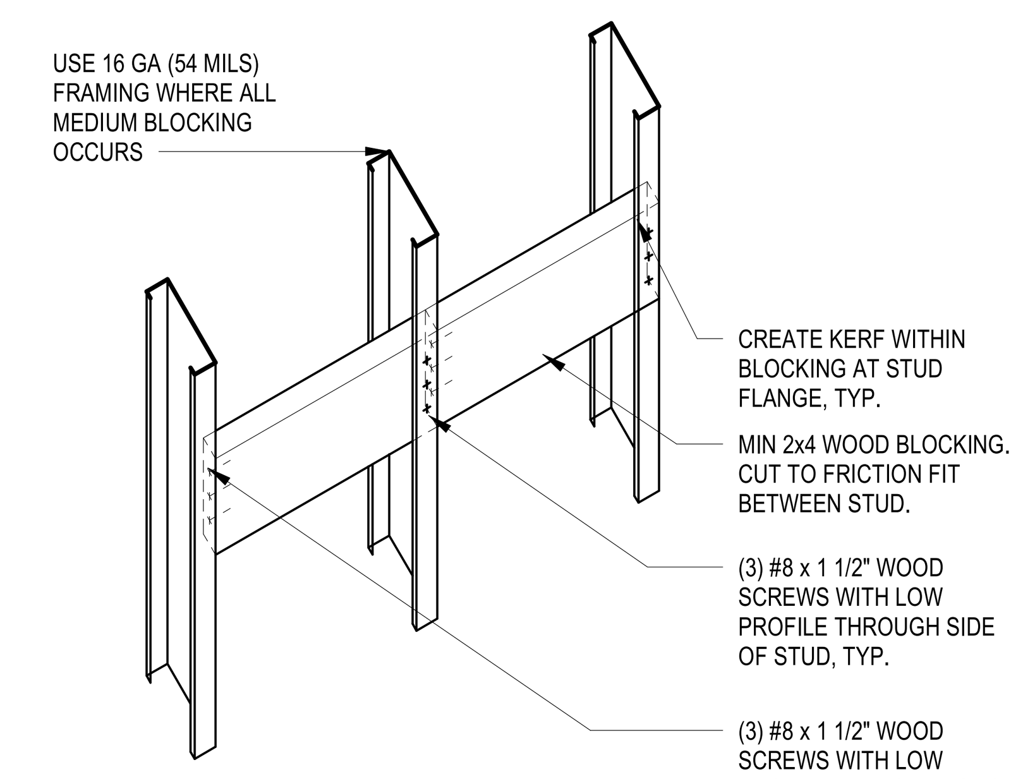


BRACED WALL @ (E) PARTITION TRACK (C)
1" = 1'-0"

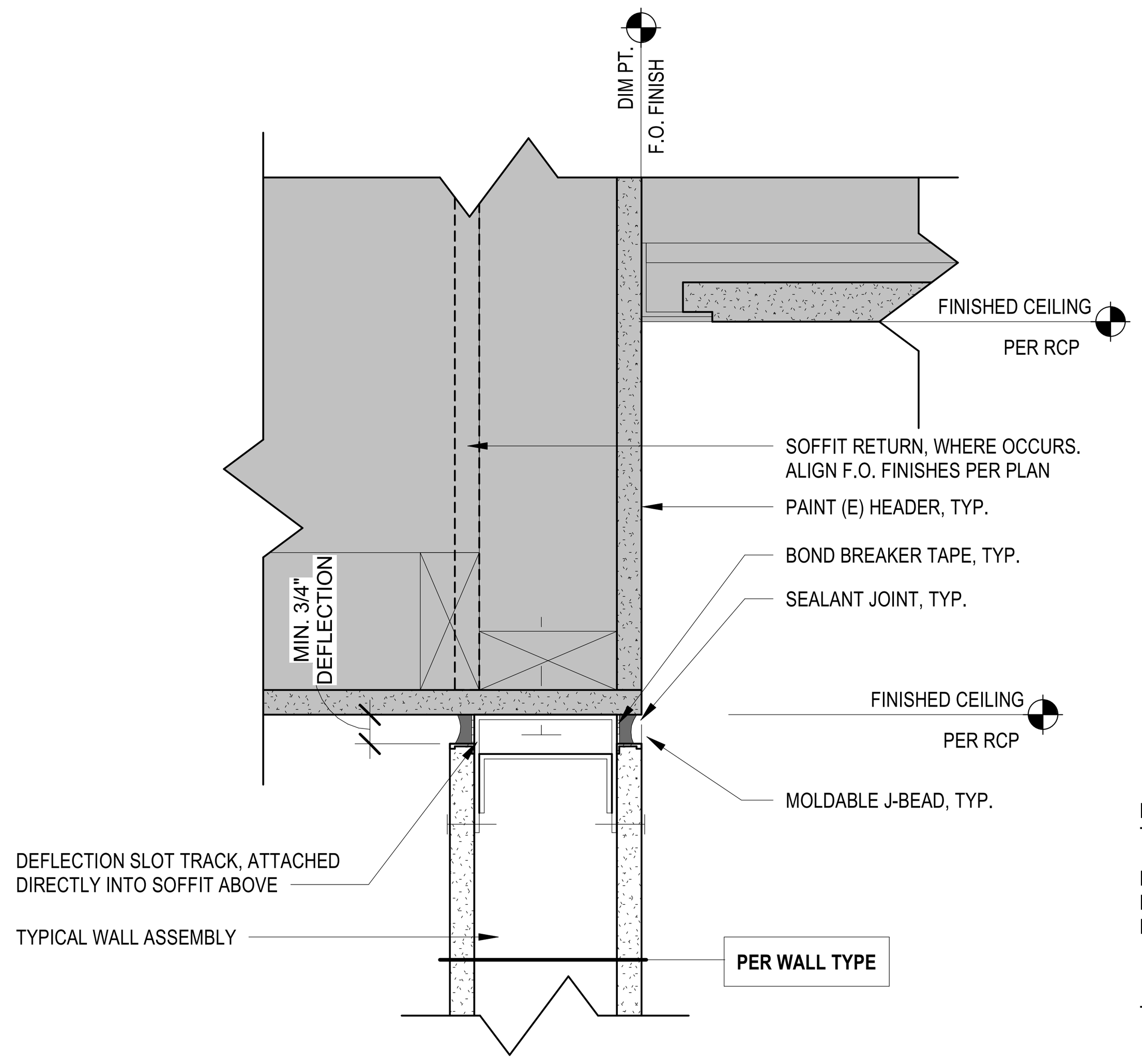
BLOCKING NOTES:

1. CONTRACTOR TO COORDINATE WOOD BLOCKING WITH LOCATIONS OF ALL EQUIPMENT OR DEVICES
2. EXTEND WOOD BLOCKING ACROSS A MINIMUM OF (3) STUDS, EXTEND FOR FULL LENGTH OF INFILL WALLS U.N.O.
3. EXTEND WOOD BLOCKING TO MINIMUM ONE STUD BEYOND EXTENT OF CABINETRY OR WALL-HUNG EQUIPMENT
4. KERF WOOD BLOCKING AT STUD FLANGE TO ALIGN F.O. BLOCKING WITH F.O. METAL STUD

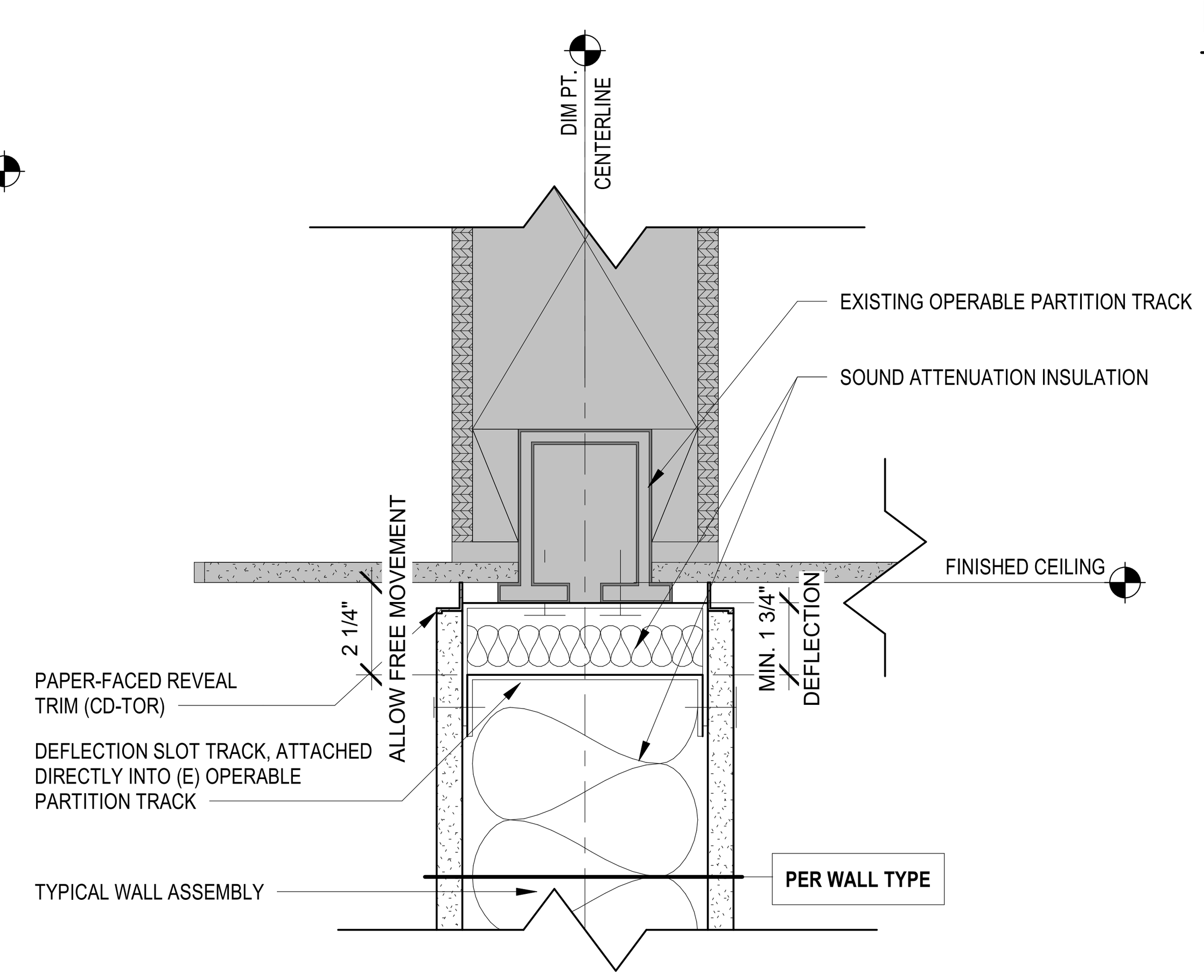
NOTE: CONTRACTOR OPTION TO USE SCAFCO KB- WALL SUPPORT BACKING (KWIK-BACK) BRACKET OR APPROVED EQUAL PER MANUFACTURER INSTRUCTIONS IN LIEU OF DETAIL BELOW.



PARTITION - BLOCKING (1)
1" = 1'-0"



WALL HEADER AT (E) SOFFIT (3)
3" = 1'-0"



WALL HEADER AT PARTITION TRACK (2)
3" = 1'-0"

NON-LOADBEARING WALL FRAMING SCHEDULE[3]:

MAXIMUM HEIGHT - L/240 @ 10 PSF

STUD SIZE	SECTION	SPACING (O.C)	COMPOSITE [1]	NON-COMPOSITE [2]
2 1/2"	250S125-18	16" O.C.	10' - 0"	N/A
	250S125-18	24" O.C.	8' - 2"	N/A
	250S125-33	16" O.C.	13' - 3"	9' - 6"
	250S125-33	24" O.C.	9' - 10"	8' - 4"
3 5/8"	362S125-18	16" O.C.	11' - 5"	8' - 0"
	362S125-18	24" O.C.	9' - 4"	N/A
	362S125-33	16" O.C.	13' - 10"	12' - 6"
	362S125-33	24" O.C.	11' - 11"	10' - 2"
6"	600S125-18	16" O.C.	14' - 2"	8' - 7"
	600S125-18	24" O.C.	N/A	N/A
	600S125-33	16" O.C.	22' - 3"	13' - 10"
	600S125-33	24" O.C.	17' - 8"	12' - 1"

[1] COMPOSITE WALL CONSRUCTION REQUIRES A SINGLE LAYER OF 5/8" TYPE X GWB INSTALLED IN VERTICAL ORIENTATION TO BOTH SIDES OF THE WALL.

[2] NON-COMPOSITE WALL CONSRUCTION REQUIRES FULL BRACING EVERY 48" O.C. AT OR BELOW MAXIMUM HEIGHT.

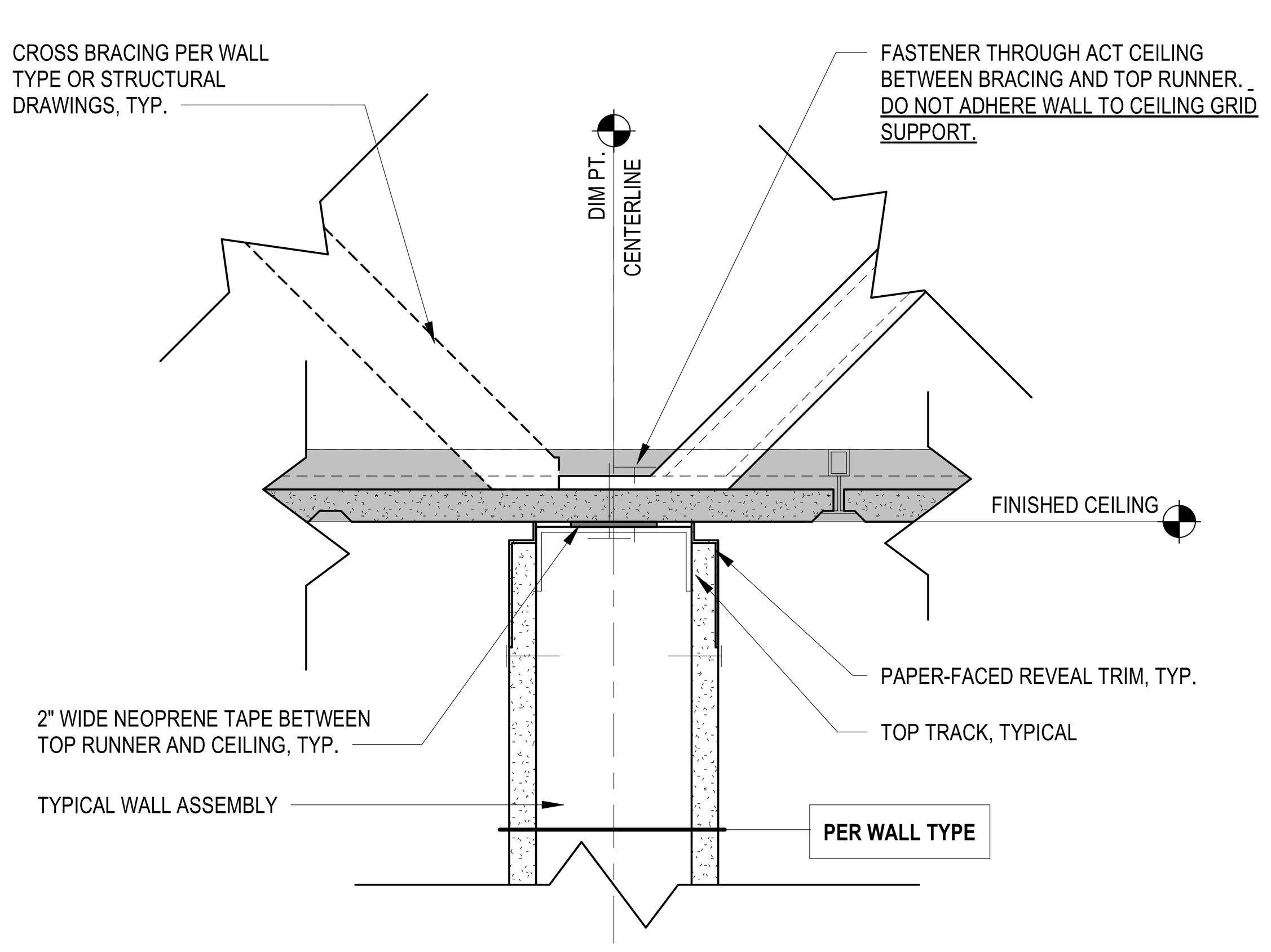
[3] PER SSMA TABLES PUBLISHED BY SCAFCO. CONSULT TABLE FOR MAXIMUM HEIGHT SPANS FOR CONDITIONS NOT LISTED IN TABLE ABOVE.

NOTE: EQ STUDS ARE NOT ACCEPTABLE PER DISTRICT STANDARD

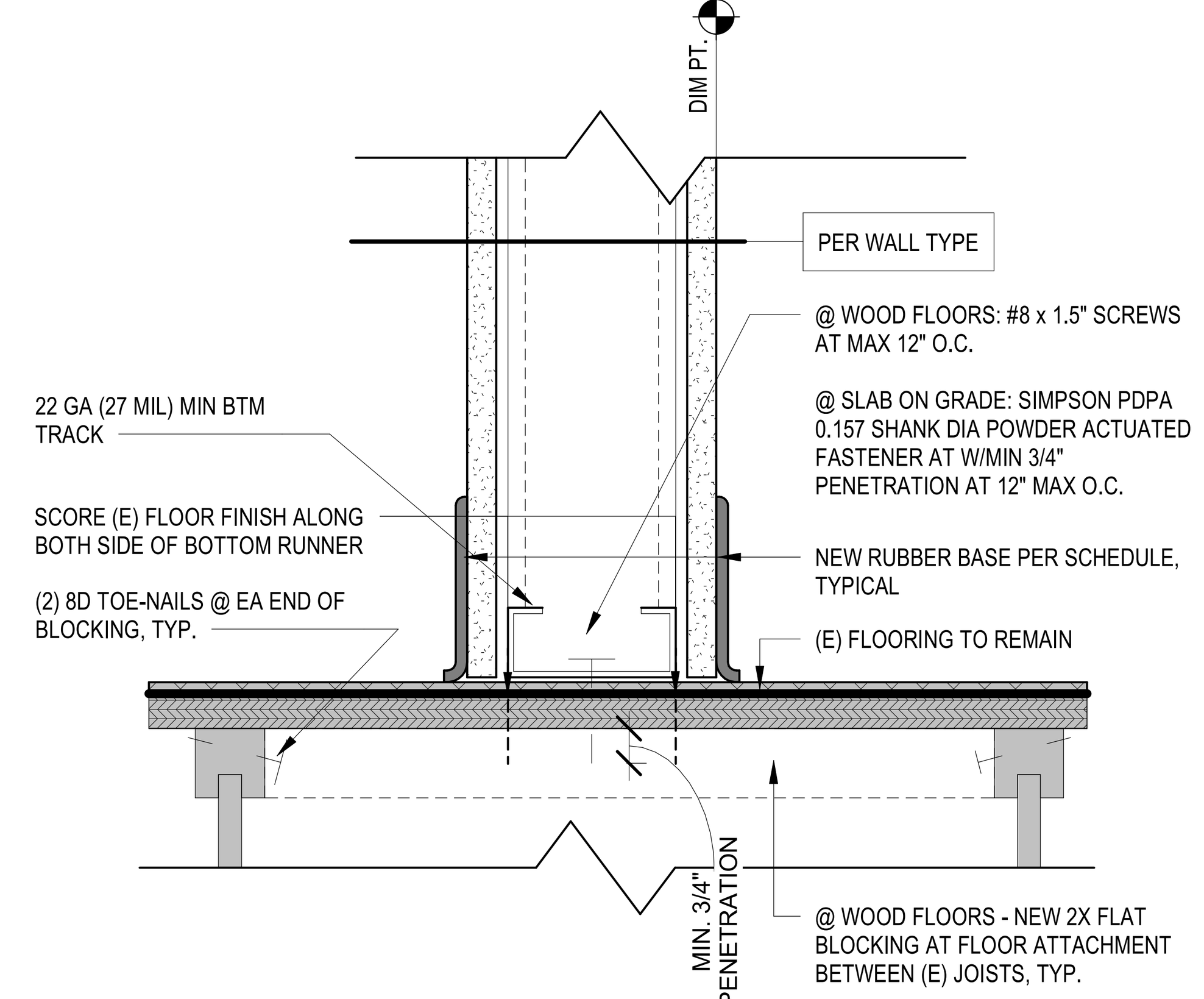
STEEL STUD NON-BRC WALL HEADER SCHEDULE

WALL HEIGHT	STUD WIDTH	OPENING WIDTH (TOP & BOTTOM TRACKS)				
		<=6'-0"	<=8'-0"	<=10'-0"	<=12'-0"	<=14'-0"
<=8'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-43 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=10'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-54 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=12'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B*
<=14'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B*	350T125-33 TOP 350T125-43 BOT*	350T125-33 TOP 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B*	550T125-33 T&B*	550T125-43 T&B**

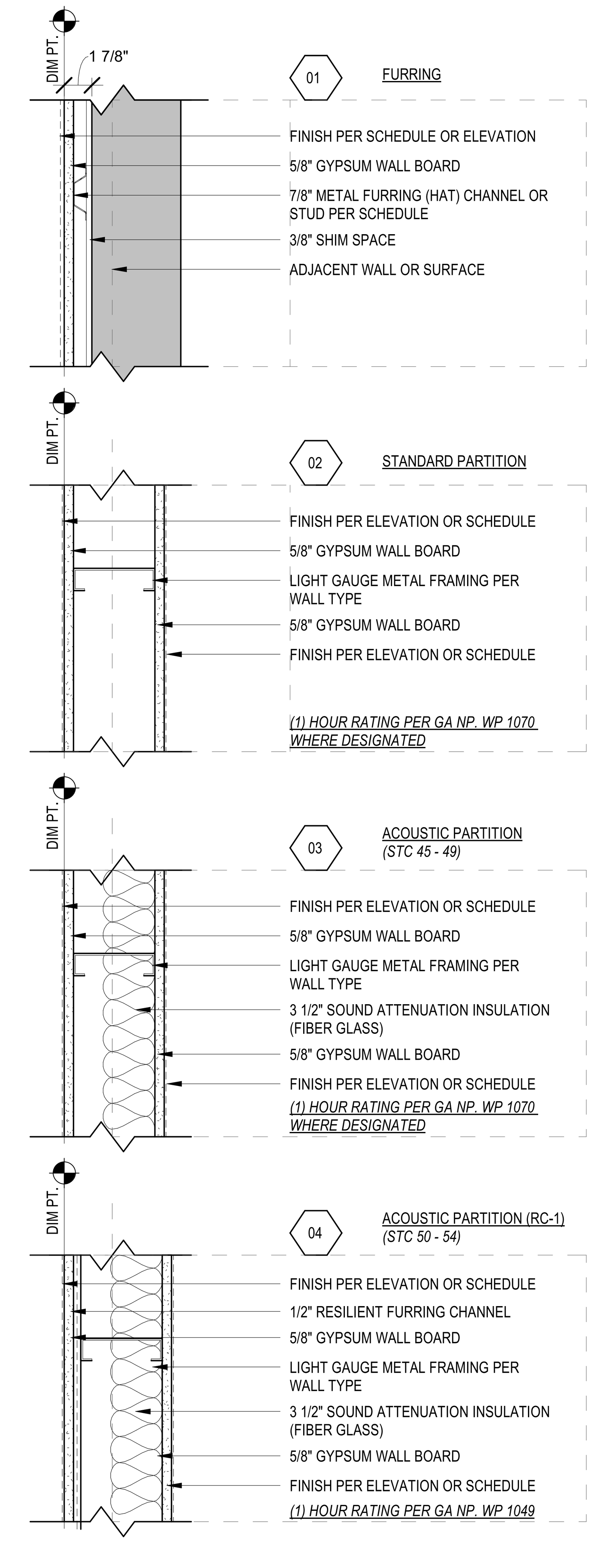
NOTES:
[1] HEADER HEIGHT ASSUMED >= 6'-0" AND <= 10'-0"
[2] OPENINGS ASSUMED WITH 4-WAY PRESSURE DISTRIBUTION
[3] PROVIDE #8 SMS AT 12" OC FROM TRACKS TO S-SECTIONS AS SHOWN
[4] VERTICAL S-SECTIONS TO BE DBL 400S125-33 MIN EXCEPT WHERE DENOTED (*) USE DBL 400S162-43 MIN AND (**) USE DBL 400S162-54 MIN



WALL HEADER AT (E) ACT (5)
3" = 1'-0"



(N) PARTITION BASE (4)
3" = 1'-0"



PARTITION TYPES
1 1/2" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - PARTITIONS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. PLAN DIMENSION ARE TO THE FINISHED FACE OF PARTITION ASSEMBLY, CENTERLINE OF STRUCTURAL COLUMN, OR TO FACE OF CONCRETE OR CONCRETE MASONRY UNLESS NOTED OTHERWISE.

C. PROVIDE 5/8" GYPSUM WALL BOARD (GWB), EACH SIDE, ON LIGHT GAUAGE METAL FRAMING AT 16" O.C. AS TYPICAL PARTITION UNLESS NOTED OTHERWISE.

D. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL DESIGNATED WET AREAS DEFINED AS 2'-0" BEYOND THE EXTENTS OF THE EDGE ALL PLUMBING FIXTURES, THE BOTTOM 2'-0" ABOVE SLAB IN RESTROOMS AND JANITORS CLOSETS AND OTHER OR AREAS PRONE TO EXPOSED WATER.

E. PROVIDE 5/8" DENSHEILD - TYPE X OR APPROVED EQUIPMENT BEHIND ALL CERAMIC TILE INSTALLATIONS.

F. SOUND ATTENUATION BLANKET TO BE 3 1/2" IN THICKNESS UNLESS OTHERWISE NOTED OR AS PRESCRIBED IN A UL RATED ASSEMBLY.

G. PROVIDE ACOUSTICAL SEALANT AT JOINTS AND PERIMETER OF ALL TYPICAL WALLS, PROVIDE FIRE RATED SEALANT AT ALL FIRE RATED WALLS.

H. MAINTAIN THE LISTED STC RATING AND ACOUSTICAL PERFORMANCE OF ALL PARTITIONS. CAULK ALL PENETRATIONS AND WHEN RETURN AIR PLENUMS ARE PROPOSED, PROVIDE AND INSTALL A STAGGERED AND LINED DUCT ELBOW.

I. SEE FIRE LIFE SAFETY (FLS) PLAN FOR LOCATIONS OF RATED ASSEMBLIES.

J. NOTIFY THE ARCHITECT IN WRITING BETWEEN DISCREPENCIES BETWEEN LISTED UL OR GA RATED ASSEMBLIES, COMPONANTS DEPICTED WITHIN THIS DRAWING SET AND ASSOCAITED STC TESTS.

K. PROVIDE LABELED GYPSUM WALL BOARD AT FIRE RATED PARTITIONS.

L. PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

M. FIRE RATED AND SMOKE ASSEMBLY PARTITIONS AND BARRIERS TO EXTENT TO THE UNDERSIDE OF STRUCTURE UNLESS NOTED OTHERWISE.

N. FRAME AROUND BEAMS AND OTHER STRUCTURAL ELEMENTS WHEN THEY OCCURE WITHIN THE SPACE OF A FIRE RATED OR ACOUSTICAL PARTITION.

O. ALL PARTITIONS ARE NON-LOAD BEARING UNLESS OTHERWISE NOTED. REFERENCE STRUCTURAL DRAWINGS FOR LOAD BEARING PARTITION ASSEMBLIES.

P. PROVIDE CONNECTIONS TO EXISTING STRUCTURE THAT ISOLATE NON-LOAD BEARING WALLS FROM STRUCTURAL MOVEMENT. PROVIDE DEFLECTION TRACKS AT THE TOPS OF ALL PARTITIONS AND SLOTTED CONNECTIONS AT INTERMEDIATE STRUCTURES.

LEGEND - FLOOR PLANS

WALL TAG — 01 / E A: WALL TYPE PER ASSEMBLY; BRACING CONDTION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE — 102: DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE — 34 A: DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG — A: WINDOW TYPE - SEE SCHEDULE

KEY NOTE — 1: KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

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REGISTERED ARCHITECT
MICHAEL BARRETT
OR
No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - NANCY RYLES ELEMENTARY SCHOOL
10250 SW CORMORANT DR
BEAVERTON OR 97007

PERMIT

PROJECT: 21005.03
DATE: 11/10/2022

TYPICAL PARTITION DETAILS

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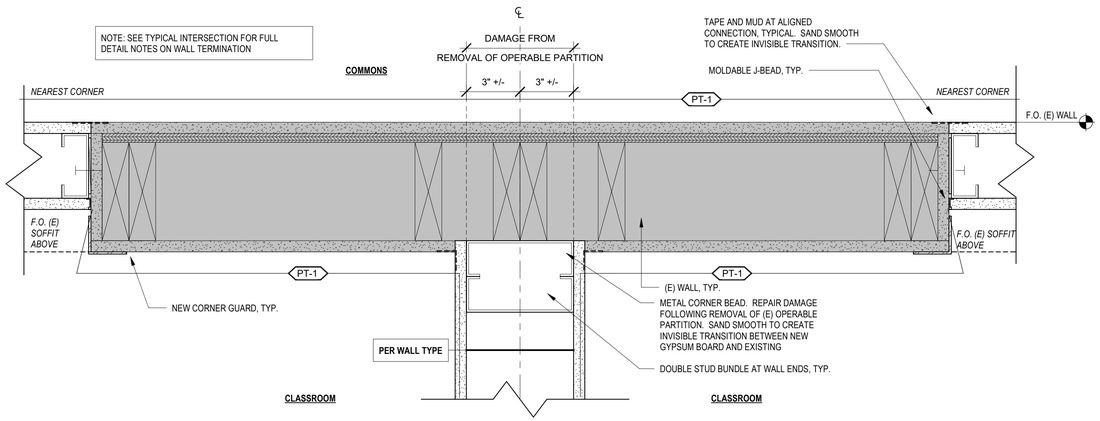
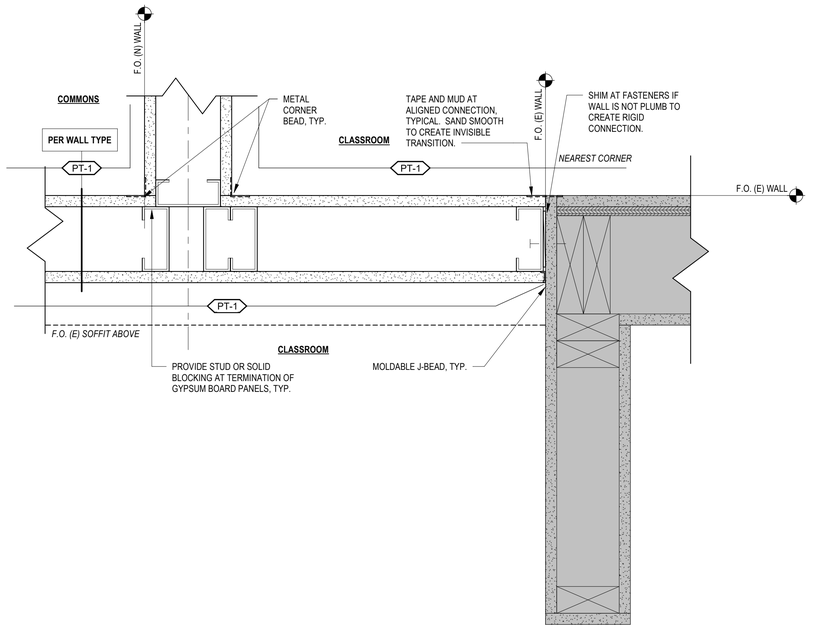


TYPICAL WALL - OPERABLE PARTITION REPAIR 2

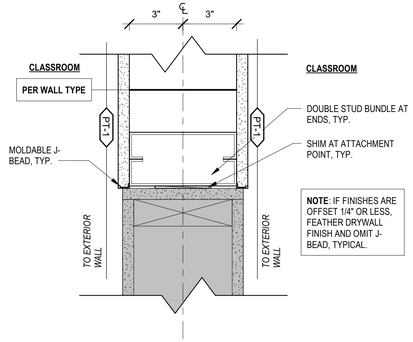
3" = 1'-0"



TYPICAL WALL - PERPENDICULAR INTERSECTION 1

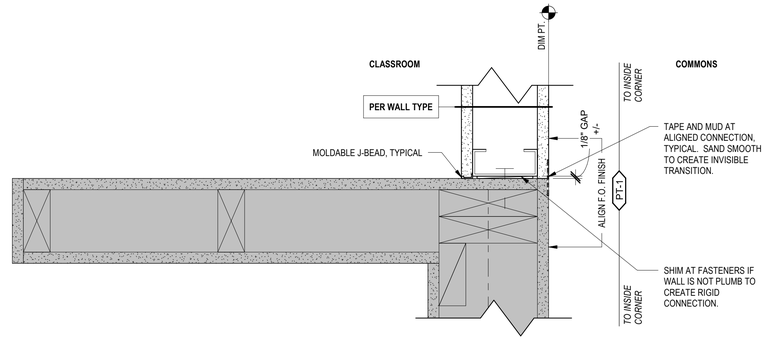
3" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION



TYPICAL WALL - OPERABLE PARTITION REPAIR @ EXTERIOR 4

3" = 1'-0"



TYPICAL WALL - NEW WALL @ (E) WING WALL 3

3" = 1'-0"

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PROJECT: 21005.03
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TYPICAL PARTITION DETAILS

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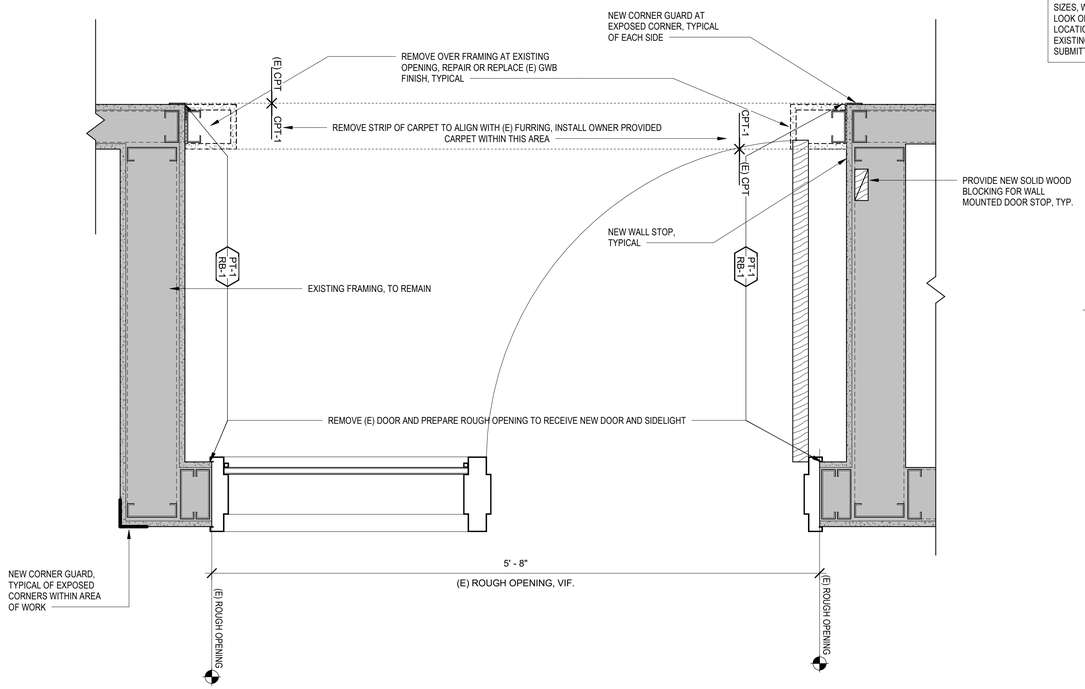
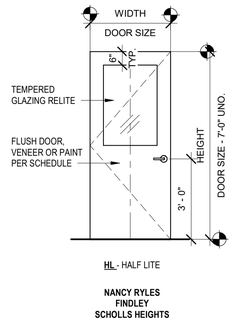


OPENING - COMMONS DOOR REPLACEMENT

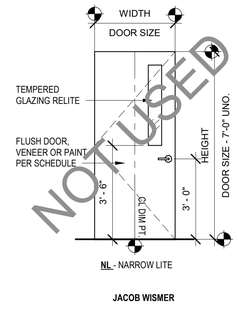
1 1/2" = 1'-0" (3)

NOTE: MATCH EXISTING DOOR RELITE SIZES, WOOD GRAIN, STAIN AND GENERAL LOOK OF DOORS WITHIN EXISTING LOCATIONS. PROVIDE PHOTOGRAPH OF EXISTING DOOR WITHIN DOOR SUBMITTAL.



HL - HALF LITE

NANCY RYLES
FINDLEY
SCHOLLS HEIGHTS

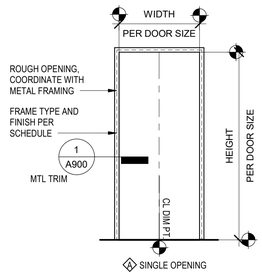


NL - NARROW LITE

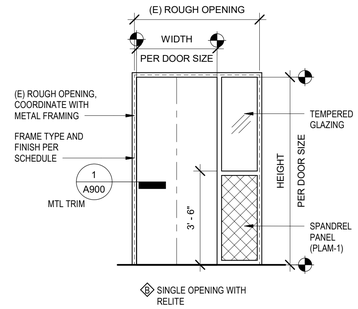
JACOB WISMER

DOOR TYPES

3/8" = 1'-0"



A SINGLE OPENING



B SINGLE OPENING WITH RELITE

DOOR FRAME TYPES

3/8" = 1'-0"

GENERAL NOTES - PROJECT SIGANGE

A. COORDINATE ALL SIGNAGE WITHIN THE PROJECT, INCLUDING CODE REQUIRED SIGNAGE, WITH EXISTING BUILDING SIGNAGE OR WITH CURRENT DISTRICT STANDARDS.

B. CODE REQUIRED SIGNAGE, SUCH AS STAIRWAY SIGNAGE AND ACCESSIBLE PARKING SIGNAGE, TO BE PROCURED AND INSTALLED BY THE GENERAL CONTRACTOR. PROVIDE DETAILED INFORMATION ON SIZE, FONT AND COLOR WITHIN A SUBMITTAL FOR ARCHITECT AND OWNER REVIEW.

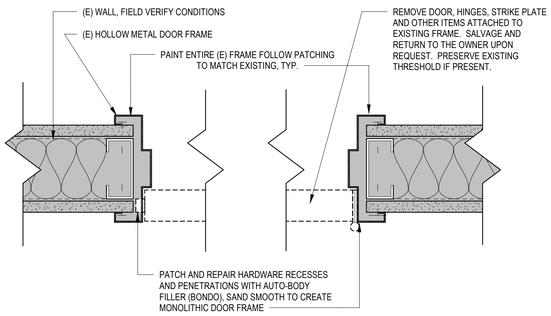
C. ROOM SIGNAGE IS CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED. COORDINATE EXTENTS AND LOCATION WITH OTHER WALL MOUNTED ITEMS. PROVIDE AN ALLOWANCE FOR THE PATCH AND REPAIR OF EXISTING WALLS WHERE EXISTING SIGANGE IS RELOCATED OR REPLACED.

(E) SIGNAGE - NANCY RYLES - FOR REFERENCE ONLY

EXISTING DOOR AT COMMONS, GENERAL CONTRACTOR TO MATCH RELITE AND WOOD GRAINING.

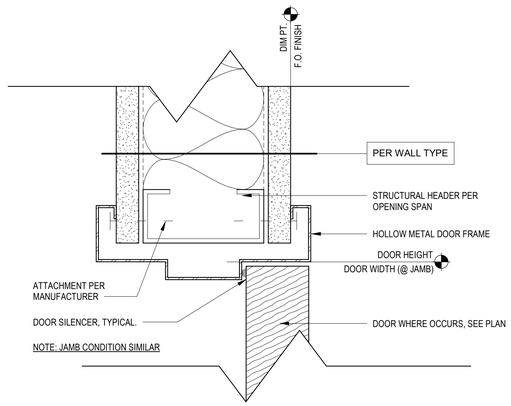
DOOR SCHEDULE

DOORS		FINISHED SIZE		FRAME						DOOR					
DOOR TYPE	Count	WIDTH	HEIGHT	TYPE	FIRE RATING	MATERIAL	FINISH	TRIM MATERIAL	TRIM FINISH	TYPE	THICKNESS	MATERIAL	FINISH	HARDWARE GROUP	NOTES
HL/A	20	3' - 0"	7' - 0"	A	N/A	HM	PT	STL	PT	HL	1 3/4"	WD	TS	2	MATCH EXISTING CLASSROOM DOOR RELITE, GRAINING AND FINISH. PROVIDE NEW BLIND AT RELITE TO MATCH (E) BUILDING STANDRD CONTRACTOR TO VERIFY THE FINAL DOOR COUNT.
HL/B	6	3' - 0"	7' - 0"	B	N/A	HM	PT	STL	PT	HL	1 3/4"	WD	TS	1	MATCH EXISTING CLASSROOM DOOR RELITE, GRAINING AND FINISH. PROVIDE NEW BLIND AT RELITE TO MATCH (E) BUILDING STANDRD CONTRACTOR TO VERIFY THE FINAL DOOR COUNT.



OPENING - (E) FRAME REPAIR

3" = 1'-0" (2)



OPENING - HEAD/JAMB - HOLLOW METAL

6" = 1'-0" (1)

GENERAL NOTES - DOORS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. DIMENSIONS SHOWN FOR DOORS AND WINDOWS ARE TYPICALLY FINISHED OPENING DIMENSIONS. COORDINATE ROUGH OPENING DIMENSIONS PER MANUFACTURER RECOMMENDATIONS WITH SELECTED OPENING.

C. EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR FORCE.

D. THE MAIN EXIT TO DOOR TO HAVE SIGNAGE ABOVE THE DOOR READING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

E. ALL NEW DOORS TO BE SOLID WOOD, PAINT GRADE UNLESS NOTED OTHERWISE.

F. PROVIDE NEW ADA LEVER STYLE DOOR HARDWARE TO MATCH BUILDING STANDARD. *(SCHLAGE 'ND', SERIES, RHODES STYLE)*

G. ALL NEW FRAMES TO BE FULLY WELDED UNLESS NOTED OTHERWISE. *(CURRIES 16 GA.)*

H. PROVIDE TEMPERED GLAZING IN ALL DOORS AND RELITES UNLESS NOTED OTHERWISE.

I. REFER TO ELEVATIONS FOR DOOR AND FRAME PAINT FINISH WHERE PAINT IS USED.

MATERIAL LEGEND

(E)	EXISTING	**WD**	WOOD - SOLID CORE
GL	GLASS - TEMPERED	**HC**	WOOD - HOLLOW CORE
MDF	MDF - TRIM	**MTL**	METAL - SOLID CORE
MFR	MANUFACTURER'S FINISH	**STL - KD**	STEEL FRAME - KNOCKDOWN
PT	PAINT	**HM**	HOLLOW METAL FRAME
TS	TRANSPARENT STAIN	**ALUM**	ALUMINUM STOREFONT

HARDWARE GROUPS

BASIS OF DESIGN PRODUCTS: *CONTRACTOR TO SUBMIT COMPLETE HARDWARE GROUPS BASED ON BASIS OF DESIGN PRODUCTS AND HARDWARE DESIGN DIRECTION BELOW.*

ALL NEW HARDWARE TO BE SATIN CHROME (US26D), UNO.

DOOR FRAMES:	*CURRIES 16 GA FULLY WELDED - EQUAL RABBIT*
LEVER HARDWARE SETS:	*SCHLAGE ND SERIES VANDLGARD, "RHODES"*
CORES:	*SCHLAGE FULL SIZE INTERCHANGEABLE (FSIC) CYLINDERS*
HINGES:	*IES HW 4.5" X 4.5" NRP*
PANIC BARS:	*VON DUPRIN EL 99 OR XP99*
CLOSERS:	*LCN 4010 (INWARD SWING), LCN 4111 (OUTWARD SWING)*
STOPS:	*BHMA 626, IVES OR EQUAL*
KICK PLATE:	*STAINLESS STEEL, FULL WIDTH*

GROUP 1: **COMMONS (PANIC HARDWARE)**
(3) PAIR BUTTS - 4 1/2"
PANIC HARDWARE
CLOSER
WALL STOP TYPICAL UNO.
SILENCER
KICK PLATE

PROVIDE WINDOW TREATMENT/BLINDS AT DOOR RELITE AND SIDELIGHT, TYPICAL

GROUP 2: **CLASSROOM**
(3) PAIR BUTTS - 4 1/2"
LEVER SET - "CLASSROOM" TYPE
WALL STOP TYPICAL UNO.
SILENCER
KICK PLATE

PROVIDE WINDOW TREATMENTS/ BLINDS AT DOOR RELITE, TYPICAL

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10250 SW CORMORANT DR
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PROJECT: 21005.03
DATE: 11/10/2022

DOORS, FRAMES HARDWARE SCHEDULE & TYPICAL OPENING DETAILS

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ABBREVIATIONS

A	AMPERE (AMP)	KVAR	KILOVOLT AMPS REACTIVE
AAF	ABOVE ACCESS FLOOR	KW	KILOWATT
ABF	AIRBLOWN FIBER	KWH	KILOWATT HOUR
AC	ABOVE COUNTER	LEC	LOCAL EXCHANGE CARRIER
AFF	ABOVE FINISHED FLOOR	LED	LIGHT EMITTING DIODE
AHJ	AUTHORITY HAVING JURISDICTION	LV	LOW VOLTAGE
AIC	AMPS INTERRUPTING CURRENT	MATV	MASTER ANTENNA TELEVISION
ALT	ALTERNATE	MCA	MINIMUM CIRCUIT AMPS
AN	ANALOG	MCB	MAIN CIRCUIT BREAKER
ARCH	ARCHITECT / ARCHITECTURAL	MCC	MOTOR CONTROL CENTER
ARM	ARMORED	MDF	MAIN BUILDING DISTRIBUTION FACILITY
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL
AV	AUDIO VISUAL	MECH	MECHANICAL
AVC	AUDIO VISUAL CONTRACTOR	MH	MAINTENANCE HOLE
BC	BONDING CONDUCTOR	MHz	MEGAHERTZ
BDF	BUILDING DISTRIBUTION FACILITY	MLO	MAIN LUGS ONLY
BMS	BUILDING MANAGEMENT SYSTEM	MTS	MANUAL TRANSFER SWITCH
BOC	BOTTOM OF CONDUIT	N	NORTH
BOCT	BOTTOM OF CABLE TRAY	NAC	NOTIFICATION APPLIANCE CIRCUIT (FA)
C	CONDUIT	NIC	NOT IN CONTRACT
CATV	(CABLE TV) COMMUNITY ACCESS TELEVISION	OFCI	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
CB	CIRCUIT BREAKER	OFE	OWNER FURNISHED EQUIPMENT
CCTV	CLOSED CIRCUIT TELEVISION	OFOI	FURNISHED AND INSTALLED BY OWNER
CF	CELLULAR FLOOR	OSP	OUTSIDE PLANT
CKT	CIRCUIT	PA	PUBLIC ADDRESS
CLG	CEILING	PB	PULL BOX
CO	CENTRAL OFFICE	PE	PHOTOELECTRIC
CPE	CUSTOMER UNIVERSAL ENCLOSURE	PF	POWER FACTOR
CT	CURRENT TRANSFORMER	PMV	PROJECT MANAGER VERIFICATION
CU	COPPER	PNL	PANELBOARD
CUE	CONCRETE UNIVERSAL ENCLOSURE	PON	PASSIVE OPTICAL NETWORK
DAS	DISTRIBUTED ANTENNA SYSTEM	PPL	POLYVINYL CHLORIDE CONDUIT
dB	DECIBEL	PVC	PACIFICORP
DB	DUCT BANK	PWR	POWER
DML	DOUBLE MAIN LUGS	R/W	RIGHT OF WAY
DN	DOWN	RAD	RADIUS
E	EAST	RG	RADIO GRADE
EQ	EQUAL DISTANT	S	SOUTH
EC	ELECTRICAL CONTRACTOR	SAA	SECUIRTY ALARM ANNUNCIATOR
EF	ENTRANCE FACILITY	SACP	SECURITY ACCESS CONTROL PANEL
EM	EMERGENCY	SDP	SUBDISTRIBUTION PANEL
EMC	ELECTROMAGNETIC COMPATIBILITY	SMB	SURFACE MOUNT BOX
EMI	ELECTROMAGNETIC INTERFERER	SPD	SURGE PROTECTION DEVICE
EMT	ELECTRIC METALLIC TUBING	ST	SHUNT TRIP
EPO	EMERGENCY POWER OFF	STS	STATIC TRANSFER SWITCH
EP	ENTRANCE POINT	SW	SWITCH
EP	EXPLOSION PROOF	TBB	TELECOM BONDING BACKBONE
ER	EQUIPMENT ROOM	TBC	TELECOM BONDING CONDUCTOR
FA	FIRE ALARM	TBD	TO BE DETERMINED
FAA	FIRE ALARM ANNUNCIATOR	TE	TELECOM ENCLOSURE
FACP	FIRE ALARM CONTROL PANEL	TGB	TELECOM GROUNDING BUSBAR
FLA	FULL LOAD AMPS	TL	THRU LUGS
FO	FIBER OPTIC	TMGB	TELECOM MAIN GROUNDING BUSBAR
FSD	FIRE SMOKE DAMPER	TO	TELECOM OUTLET
GC	GENERAL CONTRACTOR	TP	TAMPERPROOF
GFI	GROUND FAULT INTERRUPTER	TR	TELECOM ROOM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TTB	TELEPHONE TERMINAL BOARD
GHz	GIGAHERTZ	TTC	TELEPHONE TERMINAL CABINET
GND	GROUND	TV	TELEVISION / DIGITAL DISPLAY
GRC	GALVANIZED RIGID CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
GRD	GROUND	TYP	TYPICAL
GRS	GALVANIZED RIGID STEEL CONDUIT	U	USB
HH	HANDHOLE	UC	UNDER COUNTER
HP	HORSEPOWER	UG	UNDERGROUND
HPS	HIGH PRESSURE SODIUM	UON	UNLESS OTHERWISE NOTED
HV	HIGH VOLTAGE	UPS	UNINTERRUPTIBLE POWER SUPPLY
HZ	HERTZ	V	VOLTAGE
IBC	INTERNATIONAL BUILDING CODE	VA	VOLT AMPERES
IDF	INTERMEDIATE BUILDING DISTRIBUTION FACILITY	VP	VAPORPROOF
IG	ISOLATE GROUND	W	WATTS OR WEST
IR	INTERRUPTING RATING	WAO	WORK AREA OUTLET
JB	JUNCTION BOX	WAP	WIRELESS ACCESS POINT
KV	KILOVOLT	WP	WEATHERPROOF
KVA	KILOVOLT AMP	XFMR	TRANSFORMER
		XFSW	TRANSFORMER SWITCH

*REFER TO DISCIPLINE SYMBOL LISTS FOR MORE ABBREVIATIONS

GENERAL SYMBOLS

XXXX (123) EQUIPMENT DESIGNATOR - SEE SCHEDULE.

(E) EXISTING TO REMAIN

(X) EXISTING TO BE REMOVED

(R) EXISTING TO BE RELOCATED

(N) NEW

(#) KEYED NOTE

NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

WORK RESPONSIBILITY

ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN CONDUIT, DEVICES, BOXES, CONDUCTORS, AND TRANSITIONS AROUND OBSTRUCTIONS WHETHER SHOWN ON DRAWINGS OR NOT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

GENERAL NOTES (APPLIES TO ALL DRAWINGS)

A. WHERE EXACT DIMENSIONS ARE NOT CALLED FOR, DO NOT SCALE DRAWINGS TO DETERMINE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLET BOXES, WIRE WAYS, PANELS, ETC. SEE ARCH FOR EXACT DIMENSIONS.

B. CONDUIT RUNS SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS. THE EXACT PATH OF THE CONDUIT IS TO BE DETERMINED BY THE CONTRACTOR. THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100 FEET OF STRAIGHT EMPTY CONDUIT AND A PULL BOX FOR MORE THAN TWO 90 DEGREE BENDS IN A CONDUIT RUN. ALL CONDUIT SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND FURNISHED WITH PULL WIRES.

C. POWER CIRCUITS FOR THE AUDIOVISUAL SYSTEMS MUST BE ON THE SAME TRANSFORMER PHASE, BUT NOT ON THE SAME PHASE AS ANY COMPRESSORS, MOTORS, OR LIGHTING DIMMING SYSTEMS.

D. ALL EQUIPMENT MUST BE COMPLETELY BONDED TO A TRUE EARTH COMMON GROUND OR VERIFY GROUNDING REQUIREMENTS WITH ELECTRICAL EQUIVALENT FOR PROPER OPERATION.

E. FOR TELECOM OUTLETS WITH 1-6 CABLES, PROVIDE 1"C. TO DOUBLE-GANG DEEP BOX WITH SINGLE-GANG MUD RING AND 2, 4 OR 6 PORT FACEPLATE AS REQUIRED.

F. FOR TELECOM OUTLETS WITH 7-12 CABLES, PROVIDE TWO (2) 1"C. TO DOUBLE-GANG DEEP BOX WITH DOUBLE-GANG MUD RING AND TWO (2) 2, 4 OR 6 PORT FACEPLATES AS REQUIRED.

G. FOR ALL DATA OUTLETS AND CAMERAS, PROVIDE CATEGORY 6 CABLE AND JACKS. FOR ALL WIRELESS ACCESS POINTS (WAPs), PROVIDE (2) CATEGORY 6A CABLES AND JACKS.

POWER SYMBOLS

WALL RECEPTACLE: DUPLEX, 4-PLEX

FLOOR RECEPTACLE: DUPLEX, 4-PLEX

CEILING RECEPTACLE: DUPLEX, 4-PLEX

#" WALL RECEPTACLE: MOUNTING HEIGHT

SPECIAL RECEPTACLE: WALL

JUNCTION BOX: WALL, FLOOR, CEILING

SURFACE OUTLET STRIP: DIMENSIONS AS SHOWN

F DISCONNECT SWITCH: FUSED, CIRCUIT BREAKER

MOTOR CONNECTION

A8-1 PANEL & CIRCUIT NUMBER

DENOTES DUPLEX RECEPTACLE ON DROP CORD

PUSHBUTTON: WALL

ADA DOOR ASSIST BUTTON: WALL

WIRE CONCEALED IN FLOOR OR UNDERGROUND

RACEWAY AND CONDUCTORS REMOVED AS PART OF DEMOLITION

CONDUIT ELL: UP, DN

ELECTRICAL DUCT BANK

GROUND ROD, 10' LONG, 5/8" DIAMETER, COPPER. BOND TO LOCAL CIRCUIT GROUND CONDUCTOR

ELECTRICAL DISTRIBUTION CABINET

ELECTRICAL DISTRIBUTION PANEL: SURFACE, RECESSED

T ELECTRICAL TRANSFORMER

ONE-LINE SYMBOLS

CONDUCTORS & CONDUIT

CONDUCTORS & CONDUIT TO BE REMOVED

CIRCUIT BREAKER, MOLDED CASE SWITCH

BUS

ATS

M METER

PANEL

MAIN GROUNDING BAR

CONNECTION TO GROUND

TRANSFORMER

LIGHTING SYMBOLS

PE PHOTOCELL: CEILING, WALL MOUNTED

OS DUAL TECHNOLOGY, OCCUPANCY SENSOR: CEILING MOUNTED, WALL MOUNTED

VS DUAL TECHNOLOGY, VACANCY SENSOR: CEILING MOUNTED, WALL MOUNTED

HA 1. / a — HA = LUMINAIRE TYPE DESIGNATION; 1. = CIRCUIT NUMBER; a = SWITCH DESIGNATION

$X SINGLE GANG, STRAP MOUNTED CONTROL STATION. LIGHT SWITCH: OS = OCCUPANCY SENSOR, K = KEYED, 3 = 3-WAY LOW VOLTAGE DIMMER / PRESET CONTROL: D TIMER SWITCH: T

BUG EYE EXIT SIGN WITH INTERGRAL BATTERY, 90 MINUTE RUN TIME: CEILING, WALL MOUNTED

TELECOMMUNICATIONS SYMBOLS

DATA OUTLET: WALL, CEILING, FLOOR

DATA OUTLET: CABLE/JACK QUANTITY (x2 U.O.N.)

#" DATA OUTLET: MOUNTING HEIGHT

WP DATA OUTLET: WALL PHONE (x1 CABLE/JACK)

ALS ASSISTIVE LEARNING SYSTEM

ANALOG CLOCK: WALL, CEILING

M MASTER CLOCK: CEILING

S IP COMBINATION IP SPEAKER/IP CLOCK (ANALOG FACE)

DIGITAL CLOCK: WALL, CEILING

(E) WIRELESS ACCESS POINT: WALL, CEILING. E = EXISTING

S ALS ASSISTIVE LEARNING SYSTEM SPEAKER: CEILING

S AN / S AN ANALOG SPEAKER: WALL, CEILING

S IP / S IP IP SPEAKER: WALL, CEILING

S SPEAKER-HORN: WALL, CEILING

S AN / S AN ANALOG SPEAKER-HORN: WALL, CEILING, WP

2-WAY/ARA COMMUNICATION STATION: WALL
M: MASTER STATION
PS: POWER SUPPLY

A/V A/V OUTLET: WALL, FLOOR, CEILING

CONT A/V ASSISTIVE LEARNING SYSTEM: CONTROLLER

IO A/V ASSISTIVE LEARNING SYSTEM: INPUT / OUTPUT

CATV CATV OUTLET: WALL, CEILING

IC INTERCOM STATION: WALL

IV INTERCOM & VIDEO STATION: WALL

IC/M MAN INTERCOM MASTER STATION: WALL
MAN: MASTER ANALOG
MIP: MASTER IP

WIRELESS CLOCK SIGNAL DISTRIBUTION ANTENNA: WALL

ANALOG TELEPHONE OUTLET: WALL

TELECOM PATHWAYS AND ENCLOSURES SYMBOLS

CONDUIT

UNDERGROUND CONDUIT

AERIAL

SPLICE

MH MAINTENANCE HOLE

VAULT (SUBSCRIPT +-)

POLES

RACK (2 POST)

RACK (4 POST)

CABINET: SURFACE, RECESSED

PB PULL BOX

V TELECOM UNDERGROUND VAULT

FSD CABLE PATHWAY FIRESTOPPING DEVICE

CABLE TRAY: CENTER SUPPORT, OUTER SUPPORTS

TELECOM GROUND BUS

T TELEPHONE BACKBOARD.

SECURITY SYMBOLS

CR CARD KEY READER STATION: WALL

S MD MOTION DETECTOR: WALL, CEILING

P DA DOOR ASSIST: WALL
P: PANIC

KP IDS KEYPAD: WALL

ACP DOOR HARDWARE: WALL
ACP: ACCESS CONTROL PANEL
DC: DOOR CONTACT
DO: DOOR OPERATOR
DH: DOOR HOLD OPEN
DRP: DOOR RELEASE PANEL
EC: ELECTRIC CYLINDRICAL LOCK SET
EPT: ELECTRONIC POWER TRANSFER
ES: ELECTRIC STRIKE
IL: INTEGRATED LOCK
LA: LOCAL ALARM
LS: LATCH RETRACTION
REX: REQUEST TO EXIT SENSOR
RX: REQUEST TO EXIT SWITCH

DOME SECURITY CAMERA: WALL, CEILING

SINGLE LENS

SINGLE LENS 180°

SINGLE LENS 360°

SINGLE LENS PTZ

DOUBLE LENS

QUAD LENS

*SEE DOOR HARDWARE SCHEDULE AND ASSOCIATED DETAILS FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

FIRE ALARM SYMBOLS

F MANUAL PULL STATION: WALL

F BELL: WALL

STROBE: WALL, CEILING

SPEAKER-STROBE: WALL, CEILING

S S PHOTOELECTRIC SMOKE DETECTOR: WALL, CEILING
PR: RELAY BASE
PIB: ISOLATION BASE
PT: HEAT DETECTOR

BEAM SMOKE DETECTOR

ADDRESSABLE MODULE: WALL, CEILING
ARM: ADDRESSABLE RELAY MODULE
AIM: ADDRESSABLE INPUT MODULE (SINGLE)
AMM: ADDRESSABLE MINI INPUT MODULE
ADM: ADDRESSABLE DUAL INPUT MODULE
ANM: ADDRESSABLE NOTIFICATION MODULE
AIO 1X1: ADRESSABLE INPUT/OUTPUT MODULE, 1 INPUT x 1 RELAY
AIO 2X2: ADRESSABLE INPUT/OUTPUT MODULE, 2 INPUT x 2 RELAY

ARM ARM

WF SWITCH: WALL, CEILING
WF: WET SYSTEM
PA: PREACTION SYSTEM
VS: VALVE SUPERVISORY SWITCH
PIV: POST INDICATOR VALVE
LA: LOW AIR SWITCH
HA: HIGH AIR SWITCH
PR: PUMP RUNNING SIGNAL
PT: PUMP TROUBLE SIGNAL
REV: REVERSAL SIGNAL
LT: LOW AIR TEMP
LW: LOW WATER LEVEL
DH: MAGNETIC DOOR HOLD

FACU FIRE ALARM CONTROL UNIT

NPS NOTIFICATION POWER SUPPLY

FAA REMOTE ANNUNCIATOR

LOC LOCAL OPERATOR CONSOLE

AMP EVAC AMPLIFIER

FATC FIRE ALARM TERMINAL CABINET

ELEV ELEVATOR CONTROL MUDLE

SPRK SPRINKLER CONTROL MODULE

FAC FIRE ALARM CONTROL PANEL

AES WIRELESS MESH RADIO NETWORK

DOC DOCUMENT STORAGE BOX

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

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CLASSROOM WALLS PHASE 3 - NANCY RYLES ELEMENTARY SCHOOL
10250 SW CORMORANT DR
BEAVERTON OR 97007

80% CD

PROJECT: 21005.03
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LEGEND AND ABBREVIATIONS - ELECTRICAL

E001

Sheet List

Sheet Number	Sheet Name
E001	LEGEND AND ABBREVIATIONS - ELECTRICAL
E111	FLOOR PLAN - MAIN LEVEL - ELECTRICAL
E112	FLOOR PLAN - LOWER LEVEL - ELECTRICAL

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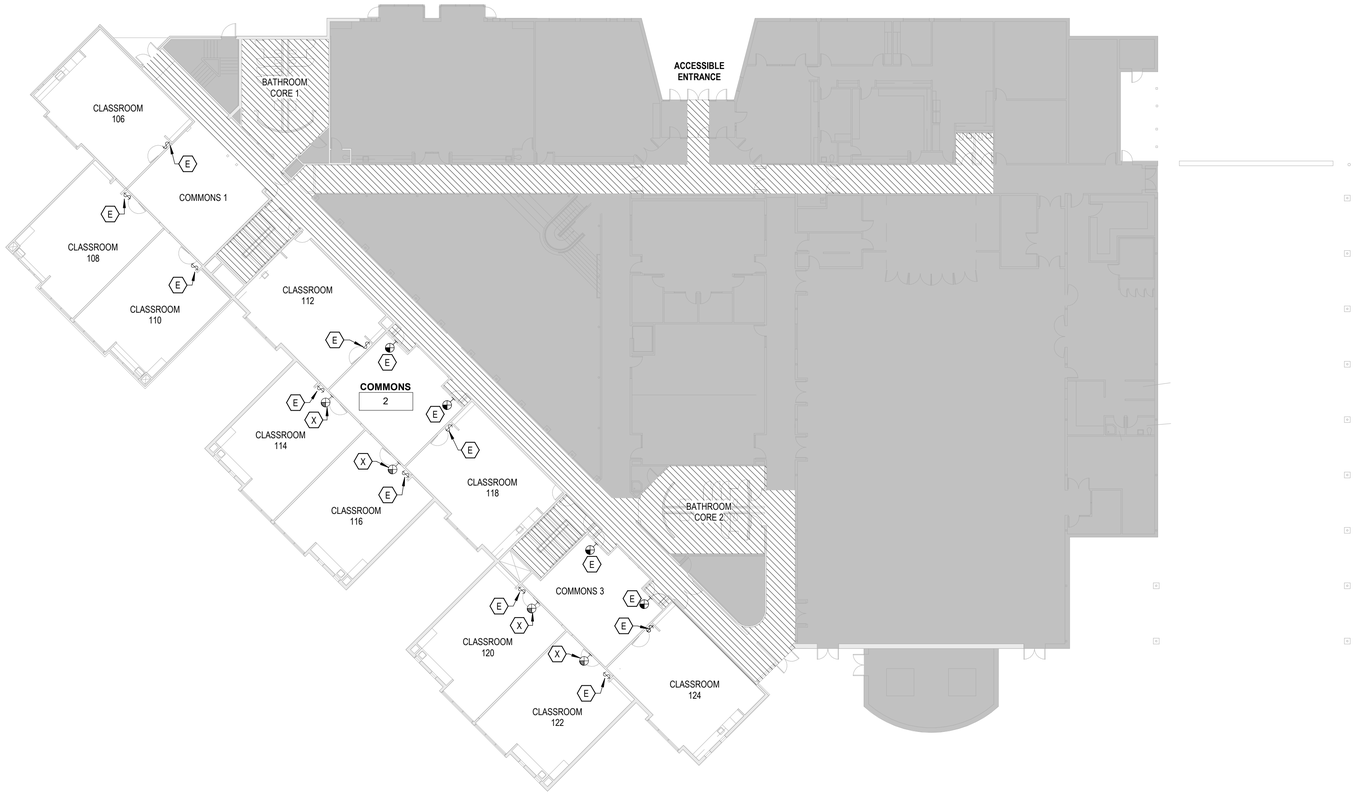

FLOOR PLAN - MAIN LEVEL - ELECTRICAL 1

1" = 20'-0"

GENERAL NOTES

A. ALL CIRCUITS ARE TO BE DE-ENERGIZED PRIOR TO COMMENCING WORK.

B. CONTRACTOR TO CONFIRM SOURCE PANELS AND LINE TRACE CIRCUITS TO DETERMINE BREAKER SPACE.

C. INSPECT PHYSICAL CONDITION OF ALL WIRING INTENDED FOR INTERCEPTION AND EXTENSION.

D. PERFORM MEGGER/RESISTANCE TESTING AND NOTIFY ENGINEER OF DEFICIENCIES FOUND.

E. REFER TO AS-BUILT DOCUMENTATION FOR EXISTING SINGLE-LINE DIAGRAMS AND DEVICE LAYOUTS, ALTHOUGH THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO COMMENCING WORK AND COMPENSATE OWNER FOR DAMAGES CAUSED BY FAILURE TO LOCATE OR PRESERVE UTILITIES.

F. FOR ITEMS TO BE DEMOLISHED, REMOVE WIRING, DEVICES, AND CONDUIT COMPLETE, DO NOT ABANDON IN PLACE UNLESS OTHERWISE NOTED. CONDUIT CAST IN-SLAB IS TO BE CUT-OFF BELOW GRADE AND ABANDONED.

G. DE-ENERGIZE, DISCONNECT, AND REMOVE ALL EXISTING ELECTRICAL INFRASTRUCTURE IN AREAS UNAFFECTED BY PROJECT DEMO.

H. RETAIN EXISTING ELECTRICAL RACEWAYS IDENTIFIED FOR INTERCEPTION AND EXTENSION IN AREAS UNAFFECTED BY DEMOLITION.

I. PERFORM INSTALLATION IN ACCORDANCE WITH THE CODES OF RECORD AND APPLICABLE DOE ORDERS, NATIONAL ELECTRICAL CODE (NEC), AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).

J. ELECTRICAL DRAWINGS ARE CONSIDERED DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK AND SYSTEMS. COORDINATE ROUGH-IN REQUIREMENTS AND INSTALLATION REQUIREMENTS WITH OTHER TRADES.

K. PERFORM WORK FOR REMOVAL AND DISPOSAL OF EQUIPMENT AND MATERIALS CONTAINING TOXIC SUBSTANCES REGULATED UNDER THE FEDERAL TOXIC SUBSTANCES CONTROL ACT (TSCA) IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. APPLICABLE EQUIPMENT AND MATERIALS INCLUDE, BUT ARE NOT LIMITED TO:
1. PCB-CONTAINING ELECTRICAL EQUIPMENT, INCLUDING TRANSFORMERS, CAPACITORS, AND SWITCHES.
2. PCB- AND DEHP-CONTAINING LIGHTING BALLASTS.
3. MERCURY-CONTAINING LAMPS AND TUBES, INCLUDING FLUORESCENT LAMPS, HIGH INTENSITY DISCHARGE (HID), ARC LAMPS, ULTRA-VIOLET, HIGH PRESSURE SODIUM, MERCURY VAPOR, IGNITRON TUBES, NEON, AND INCANDESCENT.

L. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

M. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY.

N. REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES.

O. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS THAT ARE NOT REMOVED.

P. DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.

Q. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.

R. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS THAT REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.

S. REMOVE AND RESTORE WIRING WHICH SERVES USABLE OUTLETS CLEAR OF CONSTRUCTION OR DEMOLITION.

T. DE-ENERGIZE , DISCONNECT AND REMOVE EXISTING EXIT SIGNS. CLEAN FIXTURE AND PROVIDE TO OWNERS REPRESENTENTIVE FOR SHELF INVENTORY AND USE IT AT LATER TIME.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

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BEAVERTON OR 97007
80% CD

PROJECT: 21005.03
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FLOOR PLAN - MAIN LEVEL - ELECTRICAL

E111

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FLOOR PLAN - LOWER LEVEL - ELECTRICAL 1

1/16" = 1'-0"

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FLOOR PLAN - LOWER LEVEL - ELECTRICAL

E112

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TYPICAL ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS SHOWN MAY BE USED OR LISTED

A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICAN W/DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERNITIVE
AOW	AREA OF WORK
BATT	BATT INSULATION
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BO	BOTTOM OF
BOC	BACK OF CURB
BOD	BASIS OF DESIGN
BOT	BOTTOM
BS	BOTH SIDES
CB	CATCH BASIN
CBA	CEMENT BACKER BOARD
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CP	CEMENT PLASTER
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSINK
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DIM PT	DIMENSION POINT
DN	DOWN
DP	DAMPPROOFING
DW	DISHWASHER
(E)	EXISTING
EA	EACH
EB	EXPANSION BOLT
EJ	EXPANSION JOINT
ELEV	ELEVATION
ENM	ENAMEL
EO	ELECTRIC OUTLET
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
F&I	FURNISH AND INSTALL
FA	FIRE ALARM
FABX	FIRE ALARM BOX
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FURNITURE, FIXTURE & EQUIPMENT
FO	FACE OF or FINISHED OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
GMU	GLASS MASONRY UNIT
GYP	GYPSUM
GWB	GYPSUM WALL BOARD
HDRL	HANDRAIL
HDW	HARDWARE
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
JAN	JANITOR
JC	JANITOR'S CLOSET
LAV	LAVATORY
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MI	MIRROR
MIN	MINIMUM
MO	MASONRY OPENING
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER or OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OTS	OPEN TO STRUCTURE
PL	PLATE or PLASTIC LAMINATE or PROPERTY LINE
PT	PRESSURE TREATED
PWD	PLYWOOD
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RELOC	RELOCATED(D)
REPL	REPLACE
REQ	REQUIRED
RET	RETURN or RETENTION
RF	RESILIENT FLOORING
RM	ROOM
RO	ROUGH OPENING
RT	RESILIENT TILE
SAM	SELF ADHERED FLEXIBLE FLASHING
SIM	SIMILAR
STN	STONE SLAB/VENEER
SV	SHEET VINYL
SYM	SYMBOL or SYMMETRICAL
T	TEMPERED or TILE
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TD	TRECH DRAIN or TOWN DOWN!
THK	THICK(NESS)
T/M	TO MATCH
TO	TOP OF
TOD	TOP OF DECK
TOP	TOP OF PARAPET or TOP OF PAVEMENT
TOR	TOP OF ROOF
TOS	TOP OF SLAB or TOP OF STEEL
TWO	TOP OF WALL
T-STAT	TERMOSTAT
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UOS	UNDERSIDE OF STRUCTURE
VCT	VINYL COMPOSITE TILE
VEN	VENEER
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST or WIDTH
W/	WITH
WD	WOOD
WF	WIDE FLANGE
WH	WATER HEATER
W/O	WITHOUT
W PANEL	WOOD PANELING
WRB	WEATHER RESISTANT BARRIER
WWF	WELDED WIRE FABRIC

FIRE PROTECTION, ALARM AND EXTINGUISHERS

SPECIALTIES - FIRE EXTINGUISHERS

A. SURVEY EXISTING CONDITIONS OF ENTIRE FLOOR THAT PROJECT OCCURS AND PROVIDE NOT LESS THAN ONE APPROVED FIRE EXTINGUISHER WITH RATING NOT LESS THAN 20A 10B/C FOR EACH 1,500SF OF FLOOR AREA OR FRACTION THEREOF. TRAVEL DISTANCES TO AN EXTINGUISHER FROM ANY PORTION OF THE BUILDING SHALL NOT EXCEED 75 FEET. PROVIDE FIRE EXTINGUISHER(S) IN ACCORDANCE WITH CURRENT CODES.

B. PROVIDE NEW FIRE EXTINGUISHER(S) AT ALL EXISTING CABINETS WHERE MISSING. ALL REUSED EXISTING FIRE EXTINGUISHERS ARE TO BE INSPECTED AND/OR RECHARGED, AS NECESSARY, PRIOR TO SUBSTANTIAL COMPLETION.

FIRE PROTECTION & ALARM SYSTEMS

A. CONTACT BUILDING MANAGER FOR INSTRUCTIONS WHEN SCHEDULING WORK ON FIRE SPRINKLER AND ALARM SYSTEMS.

B. AUTOMATIC SPRINKLER SYSTEM SUPERVISION: ALL VALVES, INCLUDING THOSE IN PITS, SHALL BE MONITORED BY UL LISTED FIRE MARSHAL - APPROVED CENTRAL STATION. WATER FLOW AND HIGH/LOW PRESSURE FOR DRY PIPE SYSTEMS (IF USED) SHALL BE SUPERVISED AS WELL AS OTHER FEATURES DEEMED NECESSARY BY CURRENT NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS.

C. PREPARE SPRINKLER SYSTEM SHOP DRAWINGS FOR COORDINATION WITH ARCHITECTS' DRAWINGS.

D. PROVIDE FULLY CONCEALED SPRINLKER HEADS IN HARDLID CEILINGS, UNLESS NOTED OTHERWISE.

E. PAY ALL FEES AND OBTAIN ALL PERMITS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION NECESSARY TO COMPLETE THE WORK.

BUILDING ALARM SYSTEM/SMOKE DETECTORS

A. PROVIDE VISUAL AND AUDIBLE ALARM SIGNAL APPLIANCES INTEGRATED INTO THE BUILDING ALARM SYSTEM AS REQUIRED BY ADA AND CURRENT OSSC STANDARDS. PROVIDE ADDITIONAL ELECTRICAL SERVICE AS REQUIRED. COORDINATE REQUIREMENTS WITH BUILDING OWNER. ALARM LOCATIONS INDICATED ON PLANS ARE FOR REFERENCE ONLY.

B. PROVIDE SHOP DRAWINGS FOR ALARM SYSTEM LAYOUT AS REQUIRED BY CODE.

C. SMOKE DETECTION DEVICES INDICATED ON THE DRAWINGS ARE FOR REFERENCE ONLY. CONFIRM SPACING OF DETECTORS WITH DEVICE LISTING.

D. CLEAN AND REPAIR EXISTING SMOKE DETECTORS TO BE REUSED TO GOOD WORKING CONDITION.

HARDWARE, SPECIALITIES & FINISHES

DOOR HARDWARE

A. DOORS SHALL OPEN FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

B. NEW EXTERIOR DOOR HARDWARE SHALL MATCH EXISTING BUILDING STANDARDS AND BE ADA COMPLIANT. LEVELER HANDLE, HINGES AND CLOSESERS TO ALL MATCH SAME FINISH AND BUILDING STANDARD AND EACH OTHER.

C. CONTRACTOR SHALL VERIFY COMPATABILITY OF HARDWARE SPECIFIED WITH BUILDING KEYING SYSTEM.

D. PROVIDE NEW DOORS WITH FINISH SPECIFIED PER SCHEDULE. PROVIDE DIAGRAM OF WOOD GRAIN DETAIL, MATCHING AND FINISH.

E. PROVIDE DOOR CLOSERS PER SCHEDULE. SUBMIT CUT SHEET FOR ARCHITECT REVIEW AND APPROVAL.

G. PROVIDE DOOR OPENINGS IN RATED WALLS COMPLYING WITH REQUIRED SMOKE CONTROL ASSEMBLY AND INDICATED FIRE PROTECTION RATING. WHERE EXISTING DOOR OPENINGS DO NOT COMPLY WITH PRESENT BUILDING CODE REQUIREMENTS, PROVIDE NEW DOORS, FRAMES AND HARDWARE THAT COMPLY.

H. ADJUST THE RESISTIVE FORCE OF ALL NEW AND EXISTING INTERIOR DOOR CLOSERS IN THE PROJECT AREA TO A MAXIMUM PRESSURE OF 5 LBS TO COMPLY WITH ADA REQUIREMENTS.

FINISHES - PATCH & REPAIR

I. REPAIR/REFINISH ANY DAMAGE TO EXISTING FINISH SURFACES IN IMPROVEMENT AREA CAUSED BY CONSTRUCTION OPERATIONS.

J. PAINT EXISTING WALLS WITH (2) COATS OF EGGSHELL FINISH PAINT UNLESS NOTED OTHERWISE. SUBMIT COLOR DRAW-DOWNS TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.

K. WHERE ALL NEW PARTITIONS ABUT, JOIN OR CONNECT TO EXISTING SURFACES, WALLS OR NEW CONSTRUCTION, ALIGN THE FINISH SURFACE.

L. ALL NEW WALLS AND PARTITIONS SHALL HAVE TAPED JOINTS (3) COATS SANDED AND PRIMED TO MEET PAINT READY REQUIREMENTS.

M. EXISTING WALLS AND SURFACES SHALL BE STRIPPED, RESURFACED AND PATCHED AS REQUIRED.

N. PROVIDE A FULL GALLON OF EACH WALL COLOR WITH LABELS IN TENANT SUITE. LABEL ALL LEFT OVER PAINT AND DELIVER TO OWNER WHERE DIRECTED.

O. TAPE AND SAND EXPOSED GYPSUM BOARD FOR A FLAT, SMOOTH SURFACE FINISH TO MATCH EXISTING ADJACENT SURFACES IN BUILDING UNLESS NOTED OTHERWISE.

P. PROVIDE FINISH MATERIALS MATCHING ESTABLISHED BUILDING STANDARD QUALITY, UNLESS NOTED OTHERWISE. PROVIDE COLORS APPROVED BY OWNER AND ARCHITECT.

Q. CONTRACTOR TO FILL AND PATCH EXISTING CONCRETE SLABS AND SHALL PROVIDE SMOOTH UNIFORM SURFACE PRIOR TO NEW FLOOR COVERINGS TO BE INSTALLED.

GENERAL NOTES - PROJECT

A. REVIEW ALL CONSTRUCTION DOCUMENTS AND SPECIFICATIONS AND COMPARE THEM TO FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. IMMEDIATELY REPORT ANY CONFLICTS, DISCREPANCIES, OR OMISSIONS TO THE ARCHITECT PRIOR TO SUBMITTING FOR BID.

B. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF APPLICABLE BUILDING CODES, PROGRAM GUIDES OR OTHER REQUIREMENTS OF THE LOCAL JURISDICTION.

C. ALL WORK, BOTH NEW AND IN PLACE, IS TO MEET THE BUILDING FIRE-LIFE SAFETY SUMMARY IN THE AREA OF REMODEL WORK PRIOR TO FINAL INSPECTION.

D. PROVIDE ALL WORK REQUIRED FOR A COMPLETE INSTALLATION WHETHER OR NOT SHOWN OR DESCRIBED.

E. COORDINATE THE MOVEMENT OF PERSONNEL AND MATERIALS WITHIN THE BUILDING AND SIMILAR AREAS WITH THE OWNER'S REPRESENTATIVE. SCHEDULE ACTIVITIES SO THEY ARE NOT DISRUPTIVE TO OCCUPANTS OF THE BUILDING . MAINTAIN EXITING, FIRE PROTECTION AND LIFE SAFETY PER THE FIRE MARSHALL'S OFFICE. COORDINATE DISRUPTIVE WORK FOR AFTER BUSINESS HOURS.

F. CONTRACTOR SHALL NOT SCALE THE DRAWINGS OR DETAILS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOBSITE. WHERE WRITTEN DIMENSIONS ARE NOT INDICATED OR CANNOT BE DISCERNED FROM THE CONSTRUCTION DOCUMENTS, CONTACT THE ARCHITECT FOR CLARIFICATION.

G. NOTIFY THE ARCHITECT IN WRITING IF THERE ARE ANY CORRECTIONS OR CHANGES REQUIRED TO THE CONSTRUCTION DOCUMENTS BY THE AUTHORITY HAVING JURISDICTION. CORRECTION LIST OR COMMENTS MUST BE DELIVERED TO THE DESIGN AGENCY VIA EMAIL AND INCORPORATED BY THE CONTRACTOR INTO THE PERMIT SET.

H. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL TRADES, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL REQUIREMENTS.

I. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO FOLLOW AND COORDINATE ALL ITEMS PER THE MANUFACTURE'S PRINTED INSTRUCTIONS, SPECIFICATIONS AND INSTALLATION DETAILS. THE INSTALLATION OF ALL BUILDING PRODUCTS (INTERIOR AND EXTERIOR), FIXTURES, EQUIPMENT, ETC. SHALL FOLLOW MANUFACTURER INSTALLATION REQUIREMENTS.

CONSTRUCTION PHASE

J. THE ARCHITECT SHALL NOT HAVE CONTROL OVER NOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES IN THE EXECUTION OF THE WORK. SAFETY PRECAUTIONS OR PROGRAMS CONNECTION WITH THE PROJECT ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

MATERIAL SPECIFICATIONS

K. SPECIFIC ITEMS DESCRIBED, LISTED OR DRAWN WITHIN THE CONSTRUCTION SET ARE CONSIDERED THE BASIS OF DESIGN FOR THE PROJECT. IF A SUBSTITUTION IS PROPOSED, THE GENERAL CONTRACTOR IS TO CERTIFY THAT THE PRODUCT IS OF EQUAL OR GREATER PERFORMANCE OR REQUEST REVIEW BY THE DESIGN AGENCY IN WRITING.

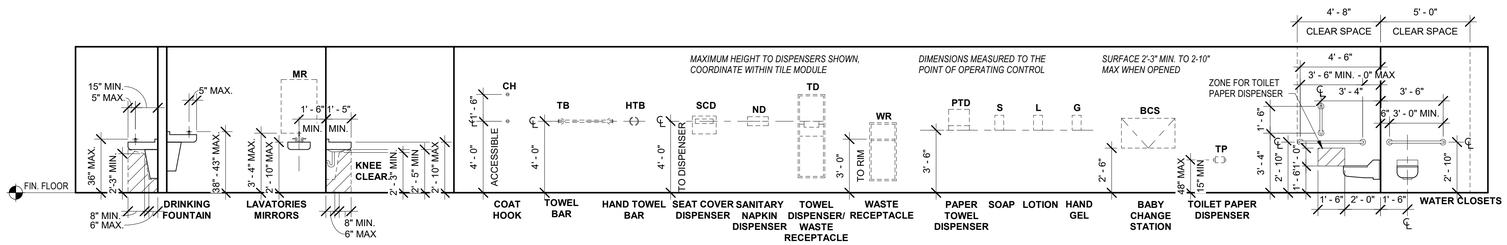
L. THE GENERAL CONTRACTOR SHOULD CONFIRM APPLICABILITY OF ALL SPECIFIED PRODUCTS WITH THE MANUFACTURER FOR SPECIFIC USE AS SHOWN PRIOR TO PURCHASING AND INSTALLATION.

SUBMITTAL PROCEDURES

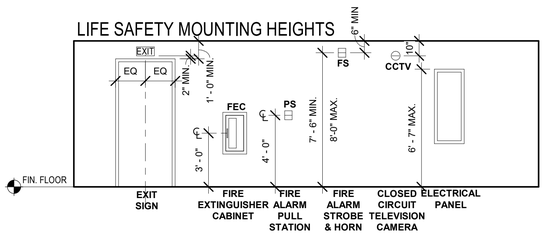
M. THE GENERAL CONTRACTOR SHALL PROVIDE THE ARCHITECT AND BUILDING OWNER PRODUCT DATA, CUTSHEETS AND SHOP DRAWINGS OF INSTALLED PRODCUTS OR DESIGN-BUILD ITEMS IN DIGITAL .PDF FORMAT FOR REVIEW FOLLOWING THE CONTRACTOR'S REVIEW FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ARCHITECT WILL THEN REVIEW EACH SUBMITTED FOR GENRAL COMFORMAMANCE.

N. PROVIDE A MINIMUM (2) PHYSICAL PRODUCT SAMPLES FOR EACH FINISH, INCLUDING PAINT DRAWDOWNS, SPECIFIED WITHIN THESE DRAWINGS.

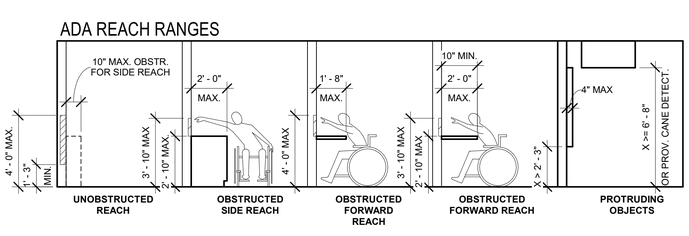
RESTROOMS CLEARANCES AND MOUNTING HEIGHTS



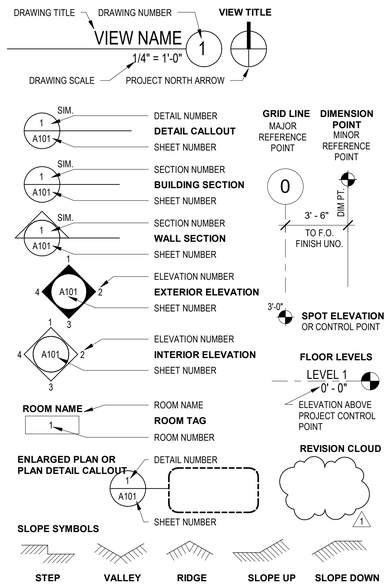
LIFE SAFETY MOUNTING HEIGHTS



ADA REACH RANGES



GENERAL SYMBOLS



SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

PROJECT SUMMARY

PROJECT NAME:	CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
PROJECT ADDRESS:	16400 SW LOON DR BEAVERTON OR 97007
JURISDICTION:	CITY OF BEAVERTON
CONSTRUCITON TYPE:	V-B (SPRINKLERED)
BUILDING HEIGHT:	2 STORY
BUILDING OCCUPANCY:	EDUCATIONAL, ASSEMBLY (NON-SEPRATED)

PROJECT SCOPE

INTERIOR ALTERATION TO PROVIDE SECURITY IMPROVEMENTS TO EXISTING CLASSROOM AND EDUCATION COMMONS AREA. SCOPE INCLUDES BUILDING NEW PARTITIONS AT EXISTING OPENINGS WITH NEW CLASSROOM ENTRY DOORS. EXISTING OCCUPANCY, OCCUPANTS AND EGRESS PATTERNS ARE UNCHANGED.

ADDITIONAL SCOPE ADDRESSES 25% FOR ADA UPGRADES.

PROJECT TEAM

OWNER: **BEAVERTON SCHOOL DISCTRICT**
1260 NORTHWEST WATERHOUSE AVENUE,
BEAVERTON, OR 97006

ATTN: JASON MOURRAY
JASON_MOURRARY@BEAVERTON.K12.OR.US

ARCHITECT: **HBX STUDIO ARCHITECTURE, INC.**
831 SE SALMON ST SUITE 140
PORTLAND, OR 97214
WWW.HBX-STUDIO.COM

ATTN: MICHAEL BARRETT, AIA
MICHAEL@HBX-STUDIO.COM

CONTRACTOR: **TBD**

LIST OF DRAWINGS

SHEET	DRAWING NAME	CURRENT REVISION
G041	COVER PAGE	
G141	SITE PLAN & ACCESSIBLE PARKING	
G142	FIRE & LIFE SAFETY PLAN - MAIN LEVEL	
G143	FIRE & LIFE SAFETY PLAN - LOWER LEVEL	
A141	FLOOR PLAN - MAIN LEVEL	
A142	FLOOR PLAN - LOWER LEVEL	
A143	ENLARGED PLAN - TYPICAL CLASSROOM	
A241	ENLARGED TYPICAL CEILING PLAN	
A800	TYPICAL PARTITION DETAILS	
A801	TYPICAL PARTITION DETAILS	
A900	DOORS, FRAMES, HARDWARE SCHEDULE & TYPICAL OPENING DETAILS	
M001	GENERAL NOTES AND ABBREVIATIONS	
M141	FLOOR PLAN - LOWER LEVEL - HVAC	
M142	FLOOR PLAN - UPPER LEVEL - HVAC	
M143	ENLARGED PLANS - TYPICAL CENTER CLASSROOM HVAC	
M144	ENLARGED PLANS - TYPICAL END CLASSROOM HVAC	
E001	LEGEND AND ABBREVIATIONS - ELECTRICAL	
E111	FLOOR PLAN - MAIN LEVEL - ELECTRICAL	
E112	FLOOR PLAN - LOWER LEVEL - ELECTRICAL	

DEFERRED SUBMITTALS - DESIGN/BUILD

ALL DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL WITH A NOTATION INDICATING THAT THE DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN CONFORMANCE WITH THE DESIGN DIRECTION WITHIN THESE DOCUMENTS.

ALL WORK IS SUBJECT TO FIELD INSPECTION, DO NOT COVER WORK PRIOR TO CITY INSPECTION.

SEPARATE PERMIT(S)

SEPARATE PERMITS ARE REQUIRED FOR THE BELOW ITEMS. THE GENERAL CONTRACOTR SUBMIT PLANS FOR REVIEW AND APPROVAL TO THE LOCAL AUTHORITY HAVING JURISDCIATION.

FIRE PROTECTION SYSTEMS **FIRE ALARM SYSTEMS**

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831 SE SALMON ST, SUITE 140, PORTLAND, OREGON 97214

REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
16400 SW LOON DR
BEAVERTON OR 97007
PERMIT

PROJECT: 21005.04
DATE: 11/10/2022

COVER PAGE

G041

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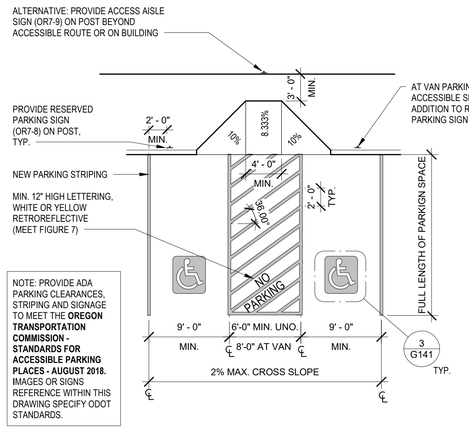


ACCESSIBLE PARKING PLAN 2

1/8" = 1'-0"

ACCESSIBLE SIGNAGE 4

3/4" = 1'-0"

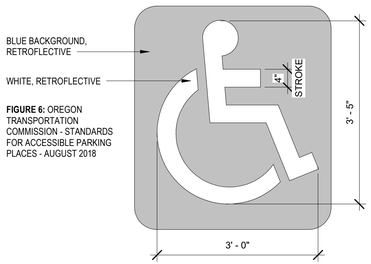


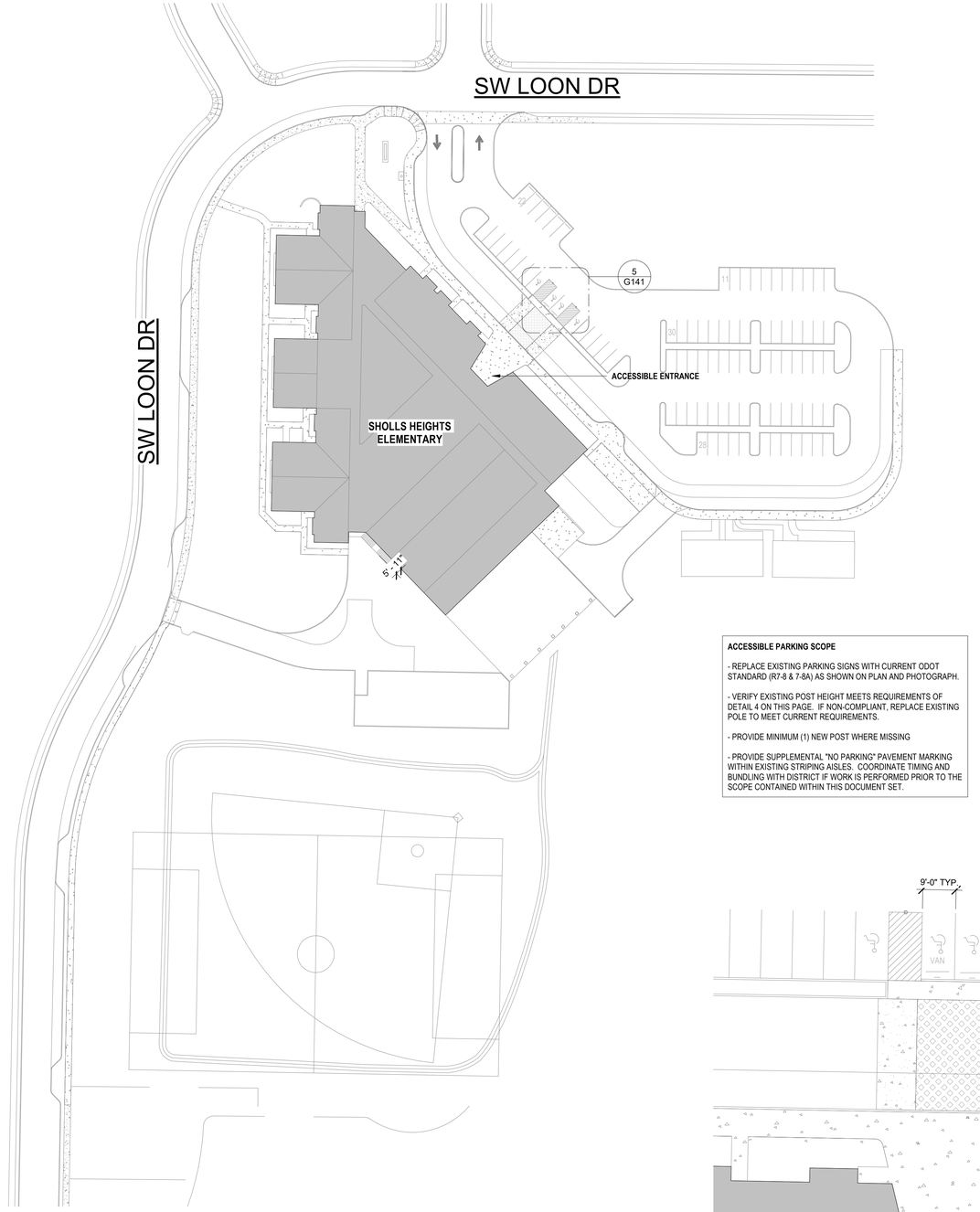
FIGURE 6: OREGON TRANSPORTATION COMMISSION - STANDARDS FOR ACCESSIBLE PARKING PLACES - AUGUST 2018

ACCESSIBLE SIGNAGE STENCILING 3

3/4" = 1'-0"

EXISTING ADA PARKING - SIGNAGE SCOPE 5

1/8" = 1'-0"



SITE PLAN 1

1" = 60'-0"

ACCESSIBLE PARKING SCOPE

- REPLACE EXISTING PARKING SIGNS WITH CURRENT ODOT STANDARD (R7-8 & 7-8A) AS SHOWN ON PLAN AND PHOTOGRAPH.

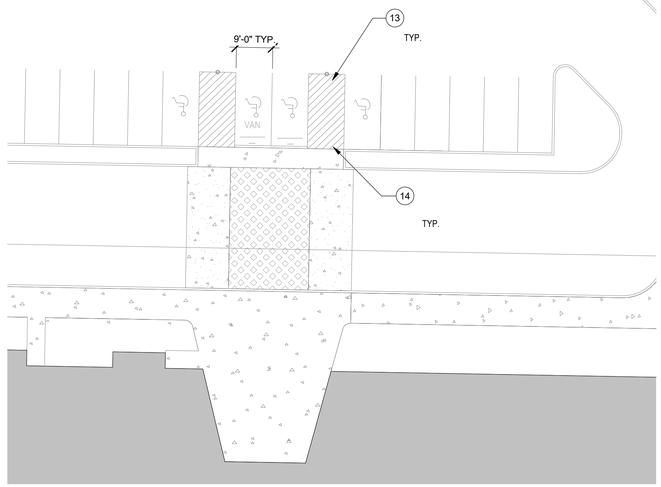
- VERIFY EXISTING POST HEIGHT MEETS REQUIREMENTS OF DETAIL 4 ON THIS PAGE. IF NON-COMPLIANT, REPLACE EXISTING POLE TO MEET CURRENT REQUIREMENTS.

- PROVIDE MINIMUM (1) NEW POST WHERE MISSING

- PROVIDE SUPPLEMENTAL "NO PARKING" PAVEMENT MARKING WITHIN EXISTING STRIPING AISLES. COORDINATE TIMING AND BUNDLING WITH DISTRICT IF WORK IS PERFORMED PRIOR TO THE SCOPE CONTAINED WITHIN THIS DOCUMENT SET.

KEYED NOTES - PROJECT SCOPE

1	ALIGN FACE OF ADJACENT FINISHES, TYPICAL.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WTIHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
4	DEMOLISH EXISTING OPERABLE PARTITION. GC TO RECYCLE IF POSSIBLE. EXISTING HEADTRACK TO REMAIN. FIELD VERIFY HEADTRACKS PRIOR TO INSTALLATION OF NEW PARTITION.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD (CFCI) ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
8	REMOVE (E) DOOR AND HARDWARE. SEE TYPICAL FOR PATCH AND PAINT REQUIREMENTS.
11	PROVIDE STAIR LEVEL IDENTIFICATION SIGN IN RAISED CHARACTERS AND BRAILLE TO MEET THE REQUIREMENTS OF 2009 ICC A117.1 504.9 AT EACH FLOOR LEVEL LANDING ADJACENT OT THE DOOR LEADING FROM THE STAIRWELL INTO THE CORRIDOR TO IDENTIFY THE FLOOR LEVEL. PROVIDE ADDITIONAL SIGN AT STAIRWELL EXIT DOOR STATING 'EXIT.' SIGNS TO MATCH EXISTING CODE REQUIRED SIGNAGE FOR COLOR, SIZE AND FONT WITHIN THE BUILDING.
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
17	INSTALL OWNER PROVIDED ROOM SIGANGE, TYP. ALL SIGNAGE TO MATCH DISTRICT STANDARD AND SHALL BE CFCI
18	INSTALL NEW 3"x3"x48" STAINLESS STEEL CORNER GUARD, MECHANICALLY FASTENED.



ACCESSIBLE PARKING LOCATION 6

1" = 20'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES. UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)
- REMOVAL OF DOOR LEAVES AT EXISTING STUDENT RESTROOMS (404.2 - MANUAL DOORS)
- INSTALLATION OF STAIR LEVEL IDENTIFICATION SIGNAGE AT EXISTING STAIRWAYS WITHIN THE ALTERED AREA

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

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REGISTERED ARCHITECT
MICHAEL BARRETT SMITH
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
16400 SW LOON DR
BEAVERTON OR 97007

PERMIT

PROJECT: 21005.04
DATE: 11/10/2022

SITE PLAN & ACCESSIBLE PARKING

G141

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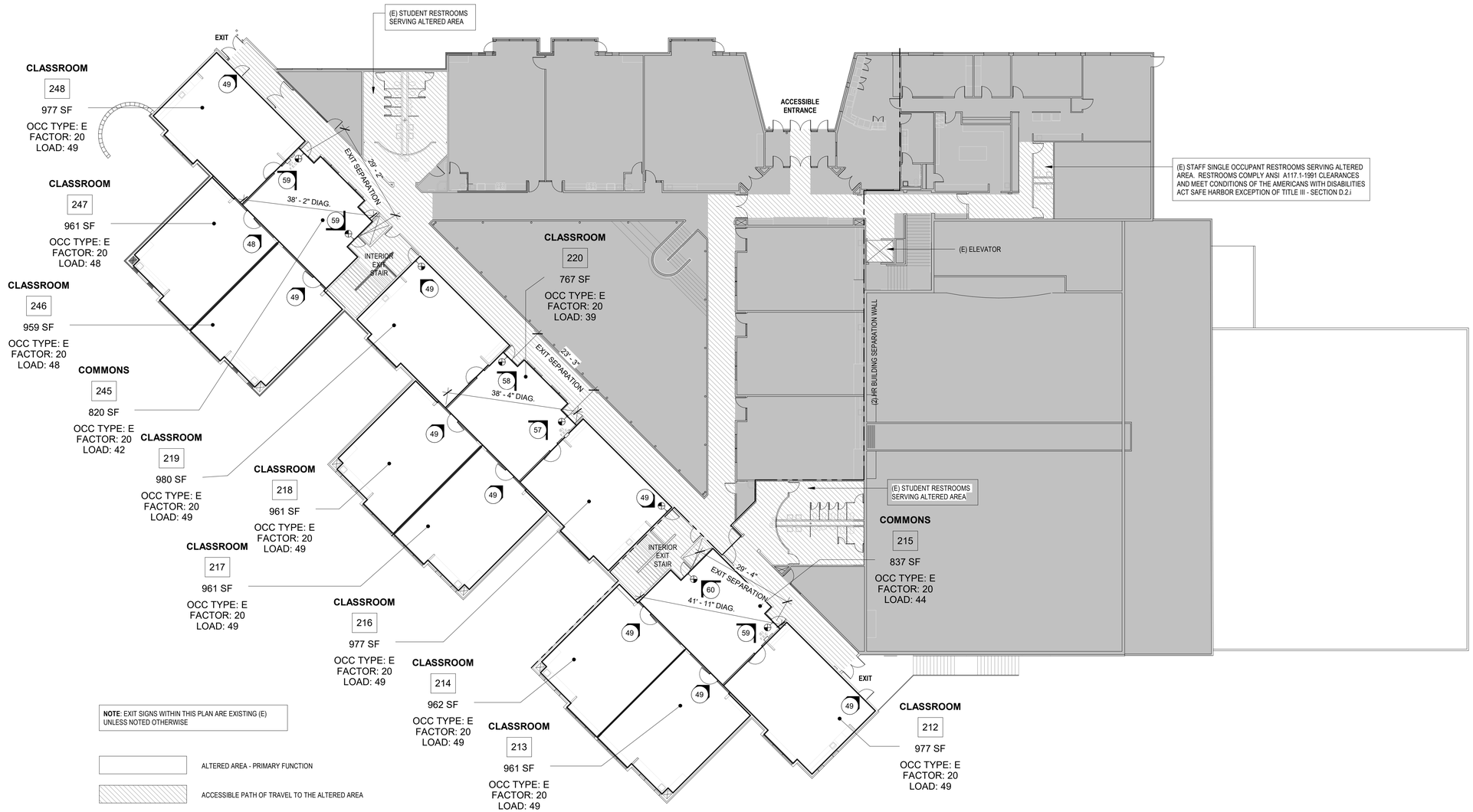

NOTE: EXIT SIGNS WITHIN THIS PLAN ARE EXISTING (E) UNLESS NOTED OTHERWISE

ALTERED AREA - PRIMARY FUNCTION

ACCESSIBLE PATH OF TRAVEL TO THE ALTERED AREA

AREA OUTSIDE OF PROJECT SCOPE

FIRE & LIFE SAFETY PLAN - MAIN LEVEL

1/16" = 1'-0" (1)

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES, UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)
- REMOVAL OF DOOR LEAVES AT EXISTING STUDENT RESTROOMS (404.2 - MANUAL DOORS)
- INSTALLATION OF STAIR LEVEL IDENTIFICATION SIGNAGE AT EXISTING STAIRWAYS WITHIN THE ALTERED AREA

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

CODE REQUIRED SIGANGE

A. PROVIDE REQUIRED CODE REQUIRED SIGNAGE AS PRESCRIBED BY THE OREGON STRUCTURAL SPECIALTY CODE AND THE INTERNATIONAL FIRE CODE. COORDINATE LOCATION WITH ARCHITECT AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

B. THE FOLLOWING ITEMS ARE TYPICALLY PROVIDED BY THE GENERAL CONTRACTOR, BUT MAY NOT EXHAUSTIVE OF ALL UNIQUE PROJECT REQUIREMENTS. COORDINATE EXTENT OF CODE REQUIRED SIGNAGE WITHIN THIS PROJECT WITH ARCHITECT OF RECORD PRIOR TO SUBSTANTIAL COMPLETION.

C. **OREGON SPECIALTY STRUCTURAL CODE - BASED ON THE INTERNATIONAL BUILDING CODE (IBC)**

- OCCUPANT LOAD (1004.3)
- TWO-WAY COMMUNICATION DEVICES (IBC 1007.8.2)
- AREAS OF REFUGE (IBC 1007.9)
- DELAYED EMERGENCY EXIT DOORS (IBC 1008.1.9)
- KEY LOCKS ON EGRESS SIDE OF DOORS (IBC 1008.1.9)
- EXIT SIGNAGE (IBC 1011.1)
- FLOOR IDENTIFICATION (IBC 1022.8)
- ACCESSIBILITY ELEMENTS AND DIRECTIONAL SIGNAGE (IBC 1110)
- ELEVATOR EMERGENCY SIGNS (IBC 3002.3)

D. **OREGON FIRE CODE - BASED ON THE INTERNATIONAL FIRE CODE (IFC)**

- NO SMOKING (IFC 310.3)
- PREMISES IDENTIFICATION (IFC 505.1)
- FIRE PROTECTION EQUIPMENT SIGNS (IFC 509.1)
- ELECTRICAL CONTROL ROOMS (IFC 605.3.1)
- FIRE DOORS (IFC 703.2.1)
- FIRE DEPARTMENT CONNECTIONS (IFC 912.4)

RATED ASSEMBLIES

A. WHERE RATED ASSEMBLIES ARE SHOWN ON THE FLS PLAN, PROVIDE A UL OR GA LISTED RATED ASSEMBLY TO MEET THE FIRE RATING REQUIREMENTS TO THE ARCHITECT FOR REVIEW.

B. PROVIDE A UL OR GA LISTED PERIMETER JOINT ASSEMBLY AND THROUGH PENETRATION FIRE STOP ASSMEMBLY MEETING THE FIRE RATED REQUIREMENT OF THE WALL, FLOOR/CEILING OR ROOF ASSMBLY SHOWN ON THE FLS PLANS.

C. PROVIDE A SUBMITTAL CUTSHEET TO THE ARCHITECT OF EACH SELECTED FIRE RESISTANT ASSEMBLY PRIOR TO INSTALLATION.

EMERGENCY LIGHTING REQUIREMENTS

A. MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS SERVED BY THE MEANS OF EGRESS.

B. PROVIDE MINIMUM 1 FOOT-CANDLE OF ILLUMINATION AT ALL MEANS OF EGRESS. THE POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE BUILDINGS ELECTRICAL SUPPLY. IN THE EVENT OF A POWER FAILURE, THE EMERGENCY POWER SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH 2015 IBC SECTION 2702 AND 2015 IBC SECTION 1006.

C. PRIOR TO FINAL INSPECTION, SUBMIT DOCUMENTATION SUBSTANTIATING THE COMPLETION OF TEST FOR THE MEANS OF EGRESS ILLUMINATION LEVEL PER 2015 IBC 1008.2.1, 1008.3 AND EMERGENCY POWER PER 1008.3.5.

FIRE LIFE SAFETY (BY GENERAL CONTRACTOR)

THE FOLLOWING ITEMS ARE FIRE LIFE SAFETY REQUIREMENTS TO BE COMPLETED BY THE GENERAL CONTRACTOR. PROVIDE THE APPROPRIATE SUBMITTAL TO THE ARCHITECT FOR REVIEW AND COORDINATION PRIOR TO SUBMITTING TO THE AUTHOROITY HAVING JURISDICTION.

DELEGATED DESIGN SUBMITTALS/PERMITS

A. ITEMS LISTED AS A DEFERRED SUBMITTAL OR DESIGN BUILD ITEMS ON SHEET G001 REQUIRE ENGINEERING TO BE PROVIDED BY THE GENERAL CONTRACTOR.

B. PROVIDE A COMPLETE AND ENGINEERED SYSTEM TO MEET THE DESIGN INTENT CONTAINED WITHIN THESE CONTRACT DOCUMENTS. PROVIDE A SUBMITTAL TO THE ARCHITECT FOR REVIEW OF DESIGN INTENT CONFORMANCE ONLY; THIS REVIEW DOES NOT CONSTITUTE A PROFESSIONAL PEER REVIEW OF THE SYSTEMS SUBMITTED.

C. WHERE A LICENSED DESIGN PROFESSIONAL IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR IS TO SECURE THESE SERVICES AND PROVIDE STAMPED DOCUMENTS TO MEET THE LOCAL REQUIREMENTS FOR A DEFERRED SUBMITTAL OR SEPARATE PERMIT.

D. ADDITIONAL DEFERRED SUBMITTAL OR PERMIT FEES TO BE PAID BY THE GENERAL CONTRACTOR.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

CODE SUMMARY

APPLICABLE CODES

2019 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2019 OREGON ZERO ENERGY READY COMMERCIAL CODE (OSSC CHAPTER 13)
2019 OREGON MECHANICAL SPECIALTYCODE (OMSC)
2017 OREGON PLUMBING SPECIALTY CODE (OPSC)
2017 OREGON ELECTRICAL SPECIALTY CODE (OESC)
2019 OREGON FIRE CODE
(TUALATIN VALLEY FIRE AND RESCUE FIRE CODE APPLICATION GUIDE 3.4R)
ICC/ANSI A117.1 - 2017

CITY OF BEAVERTON MUNICIPAL CODE

CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY: E (EDUCATION)

CONSTUCTION TYPE: V-B (SPRINKLERED)
STORIES: 2 ABOVE GRADE
SEPARATION: NON-SEPARATED

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME:	**0 HOURS**
BEARING WALLS:	
EXTERIOR:	**0 HOURS**
INTERIOR:	**0 HOURS**
NON BEARING WALLS AND PARTITIONS:	
EXTERIOR:	**SEE SHELL FLS PLANS**
INTERIOR:	**0 HOUR**
FLOOR CONSTRUTION:	**0 HOURS**
ROOF CONSTRUCTION:	**0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

INTERIOR EXIT STAIRWAYS, EXIT RAMPS AND EXIT PASSAGEWAYS:	**CLASS A**
CORRIDORS AND ENCLOSUES FOR EXIT STAIRWAYS AND RAMPS:	**CLASS B**
ROOMS AND ENCLOSED SPACES:	**CLASS C**

MEANS OF EGRESS (CHAPTER 10)

1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH TENANT SUITE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

1006.2.1 COMMON PATH OF EGRESS TRAVEL: THE MAXIMUM COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUPS E SHALL NOT BE MORE THAN **75 FEET** WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

1007.1.1 EXIT DISTANCE: WHERE TWO EXITS ARE REQUIRED, THE SEPARATION DISNACE SHALL NOT BE LESS THAN **1/3RD THE DIAGONAL** WITH AN AUTOMATIC SPRINKLER SYSTEM.

1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY E, SPRINKLERED: **250'**

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 44' EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
- C.P. - X' COMMON PATH OF EGRESS TRAVEL (OSSC 1014.3)
- E.A. X' - X' EXIT ACCESS DISTANCE (OSSC 1016)
- 10 OCCUPANT LOAD AT OPENING
- 10 CUMMALTIVE OCCUPANT LOAD AT OPENING
- LIGHTED EXIT SIGN - CEILING MOUNTED *SHADING INDICATES LIGHTED FACE(S), DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN*
- LIGHTED EXIT SIGN - WALL MOUNTED
- F.E.C FIRE EXTINGUISHER CABINET - COORDINATE LOCATION WITH FIRE MARSHAL

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16400 SW LOON DR
BEAVERTON OR 97007
PERMIT

PROJECT: 21005.04
DATE: 11/10/2022

FIRE & LIFE SAFETY PLAN - MAIN LEVEL

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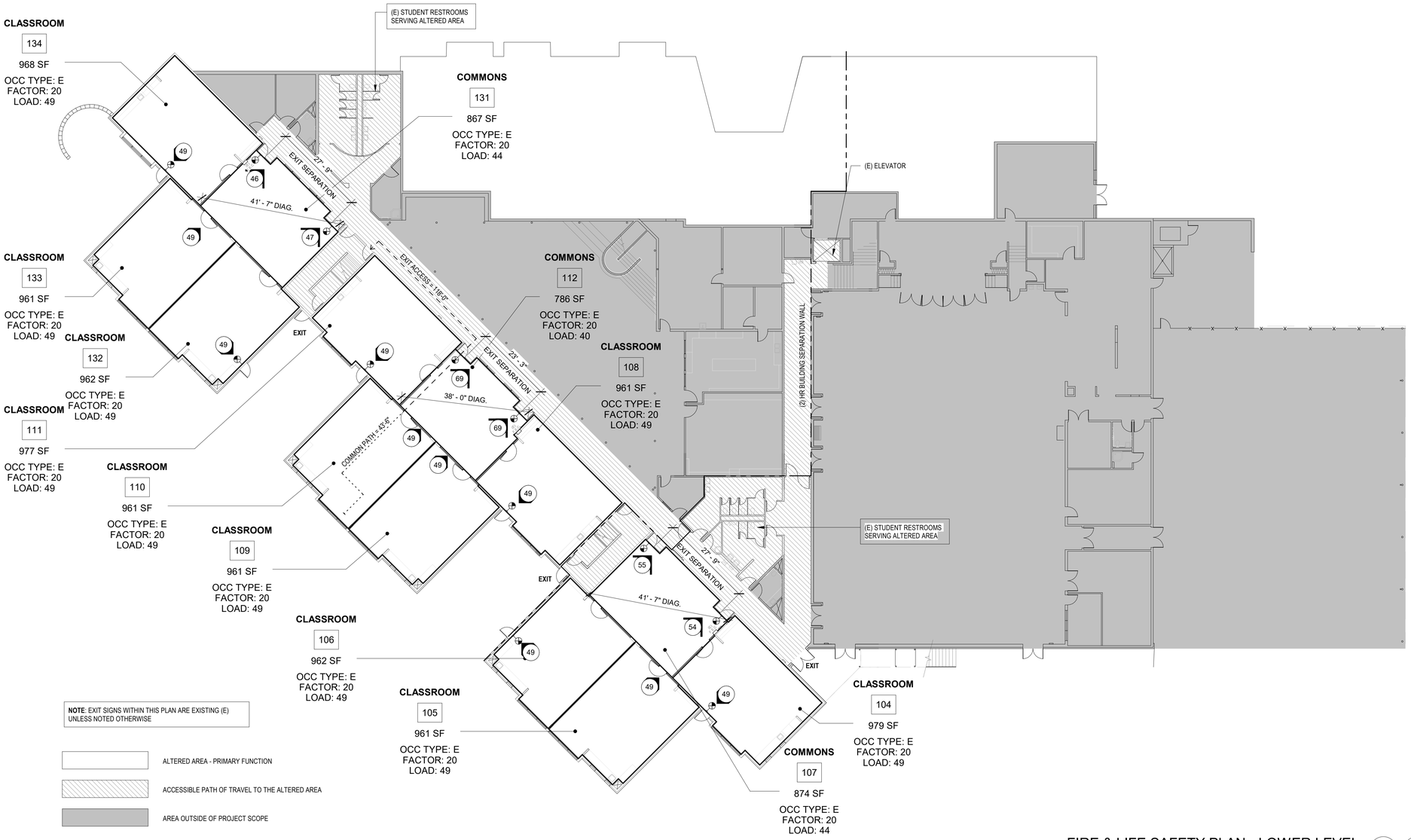

NOTE: EXIT SIGNS WITHIN THIS PLAN ARE EXISTING (E) UNLESS NOTED OTHERWISE

ALTERED AREA - PRIMARY FUNCTION

ACCESSIBLE PATH OF TRAVEL TO THE ALTERED AREA

AREA OUTSIDE OF PROJECT SCOPE

FIRE & LIFE SAFETY PLAN - LOWER LEVEL

1/16" = 1'-0"

1

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES, UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)
- REMOVAL OF DOOR LEAVES AT EXISTING STUDENT RESTROOMS (404.2 - MANUAL DOORS)
- INSTALLATION OF STAIR LEVEL IDENTIFICATION SIGNAGE AT EXISTING STAIRWAYS WITHIN THE ALTERED AREA

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

CODE REQUIRED SIGANGE

A. PROVIDE REQUIRED CODE REQUIRED SIGNAGE AS PRESCRIBED BY THE OREGON STRUCTURAL SPECIALTY CODE AND THE INTERNATIONAL FIRE CODE. COORDINATE LOCATION WITH ARCHITECT AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

B. THE FOLLOWING ITEMS ARE TYPICALLY PROVIDED BY THE GENERAL CONTRACTOR, BUT MAY NOT EXHAUSTIVE OF ALL UNIQUE PROJECT REQUIREMENTS. COORDINATE EXTENT OF CODE REQUIRED SIGNAGE WITHIN THIS PROJECT WITH ARCHITECT OF RECORD PRIOR TO SUBSTANTIAL COMPLETION.

C. **OREGON SPECIALTY STRUCTURAL CODE - BASED ON THE INTERNATIONAL BUILDING CODE (IBC)**

- OCCUPANT LOAD (1004.3)
- TWO-WAY COMMUNICATION DEVICES (IBC 1007.8.2)
- AREAS OF REFUGE (IBC 1007.9)
- DELAYED EMERGENCY EXIT DOORS (IBC 1008.1.9)
- KEY LOCKS ON EGRESS SIDE OF DOORS (IBC 1008.1.9)
- EXIT SIGNAGE (IBC 1011.1)
- FLOOR IDENTIFICATION (IBC 1022.8)
- ACCESSIBILITY ELEMENTS AND DIRECTIONAL SIGNAGE (IBC 1110)
- ELEVATOR EMERGENCY SIGNS (IBC 3002.3)

D. **OREGON FIRE CODE - BASED ON THE INTERNATIONAL FIRE CODE (IFC)**

- NO SMOKING (IFC 310.3)
- PREMISES IDENTIFICATION (IFC 505.1)
- FIRE PROTECTION EQUIPMENT SIGNS (IFC 509.1)
- ELECTRICAL CONTROL ROOMS (IFC 605.3.1)
- FIRE DOORS (IFC 703.2.1)
- FIRE DEPARTMENT CONNECTIONS (IFC 912.4)

RATED ASSEMBLIES

A. WHERE RATED ASSEMBLIES ARE SHOWN ON THE FLS PLAN, PROVIDE A UL OR GA LISTED RATED ASSEMBLY TO MEET THE FIRE RATING REQUIREMENTS TO THE ARCHITECT FOR REVIEW.

B. PROVIDE A UL OR GA LISTED PERIMETER JOINT ASSEMBLY AND THROUGH PENETRATION FIRE STOP ASSMEMBLY MEETING THE FIRE RATED REQUIREMENT OF THE WALL, FLOOR/CEILING OR ROOF ASSMBLY SHOWN ON THE FLS PLANS.

C. PROVIDE A SUBMITTAL CUTSHEET TO THE ARCHITECT OF EACH SELECTED FIRE RESISTANT ASSEMBLY PRIOR TO INSTALLATION.

EMERGENCY LIGHTING REQUIREMENTS

A. MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS SERVED BY THE MEANS OF EGRESS.

B. PROVIDE MINIMUM 1 FOOT-CANDLE OF ILLUMINATION AT ALL MEANS OF EGRESS. THE POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE BUILDINGS ELECTRICAL SUPPLY. IN THE EVENT OF A POWER FAILURE, THE EMERGENCY POWER SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH 2015 IBC SECTION 2702 AND 2015 IBC SECTION 1006.

C. PRIOR TO FINAL INSPECTION, SUBMIT DOCUMENTATION SUBSTANTIATING THE COMPLETION OF TEST FOR THE MEANS OF EGRESS ILLUMINATION LEVEL PER 2015 IBC 1008.2.1, 1008.3 AND EMERGENCY POWER PER 1008.3.5.

FIRE LIFE SAFETY (BY GENERAL CONTRACTOR)

THE FOLLOWING ITEMS ARE FIRE LIFE SAFETY REQUIREMENTS TO BE COMPLETED BY THE GENERAL CONTRACTOR. PROVIDE THE APPROPRIATE SUBMITTAL TO THE ARCHITECT FOR REVIEW AND COORDINATION PRIOR TO SUBMITTING TO THE AUTHOROITY HAVING JURISDICTION.

DELEGATED DESIGN SUBMITTALS/PERMITS

A. ITEMS LISTED AS A DEFERRED SUBMITTAL OR DESIGN BUILD ITEMS ON SHEET G001 REQUIRE ENGINEERING TO BE PROVIDED BY THE GENERAL CONTRACTOR.

B. PROVIDE A COMPLETE AND ENGINEERED SYSTEM TO MEET THE DESIGN INTENT CONTAINED WITHIN THESE CONTRACT DOCUMENTS. PROVIDE A SUBMITTAL TO THE ARCHITECT FOR REVIEW OF DESIGN INTENT CONFORMANCE ONLY; THIS REVIEW DOES NOT CONSTITUTE A PROFESSIONAL PEER REVIEW OF THE SYSTEMS SUBMITTED.

C. WHERE A LICENSED DESIGN PROFESSIONAL IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR IS TO SECURE THESE SERVICES AND PROVIDE STAMPED DOCUMENTS TO MEET THE LOCAL REQUIREMENTS FOR A DEFERRED SUBMITTAL OR SEPARATE PERMIT.

D. ADDITIONAL DEFERRED SUBMITTAL OR PERMIT FEES TO BE PAID BY THE GENERAL CONTRACTOR.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

CODE SUMMARY

APPLICABLE CODES

2019 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2019 OREGON ZERO ENERGY READY COMMERCIAL CODE (OSSC CHAPTER 13)
2019 OREGON MECHANICAL SPECIALTYCODE (OMSC)
2017 OREGON PLUMBING SPECIALTY CODE (OPSC)
2017 OREGON ELECTRICAL SPECIALTY CODE (OESC)
2019 OREGON FIRE CODE
(TUALATIN VALLEY FIRE AND RESCUE FIRE CODE APPLICATION GUIDE 3.4R)
ICC/ANSI A117.1 - 2017

CITY OF BEAVERTON MUNICIPAL CODE

CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY: E (EDUCATION)

CONSTUCTION TYPE: V-B (SPRINKLERED)
STORIES: 2 ABOVE GRADE
SEPARATION: NON-SEPARATED

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME:	**0 HOURS**
BEARING WALLS:	
EXTERIOR:	**0 HOURS**
INTERIOR:	**0 HOURS**
NON BEARING WALLS AND PARTITIONS:	
EXTERIOR:	**SEE SHELL FLS PLANS**
INTERIOR:	**0 HOUR**
FLOOR CONSTRUTION:	**0 HOURS**
ROOF CONSTRUCTION:	**0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

INTERIOR EXIT STAIRWAYS, EXIT RAMPS AND EXIT PASSAGEWAYS:	**CLASS A**
CORRIDORS AND ENCLOSUES FOR EXIT STAIRWAYS AND RAMPS:	**CLASS B**
ROOMS AND ENCLOSED SPACES:	**CLASS C**

MEANS OF EGRESS (CHAPTER 10)

1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH TENANT SUITE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

1006.2.1 COMMON PATH OF EGRESS TRAVEL: THE MAXIMUM COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUPS E SHALL NOT BE MORE THAN **75 FEET** WITH AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

1007.1.1 EXIT DISTANCE: WHERE TWO EXITS ARE REQUIRED, THE SEPARATION DISNACE SHALL NOT BE LESS THAN **1/3RD THE DIAGONAL** WITH AN AUTOMATIC SPRINKLER SYSTEM.

1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY E, SPRINKLERED: **250'**

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 44" — EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
- C.P. X' - X" — COMMON PATH OF EGRESS TRAVEL (OSSC 1014.3)
- E.A. X' - X" — EXIT ACCESS DISTANCE (OSSC 1016)
- 10 — OCCUPANT LOAD AT OPENING
- 10 — CUMMALTIVE OCCUPANT LOAD AT OPENING
- LIGHTED EXIT SIGN - CEILING MOUNTED
  SHADING INDICATES LIGHTED FACE(S), DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN
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FIRE & LIFE SAFETY PLAN - LOWER LEVEL

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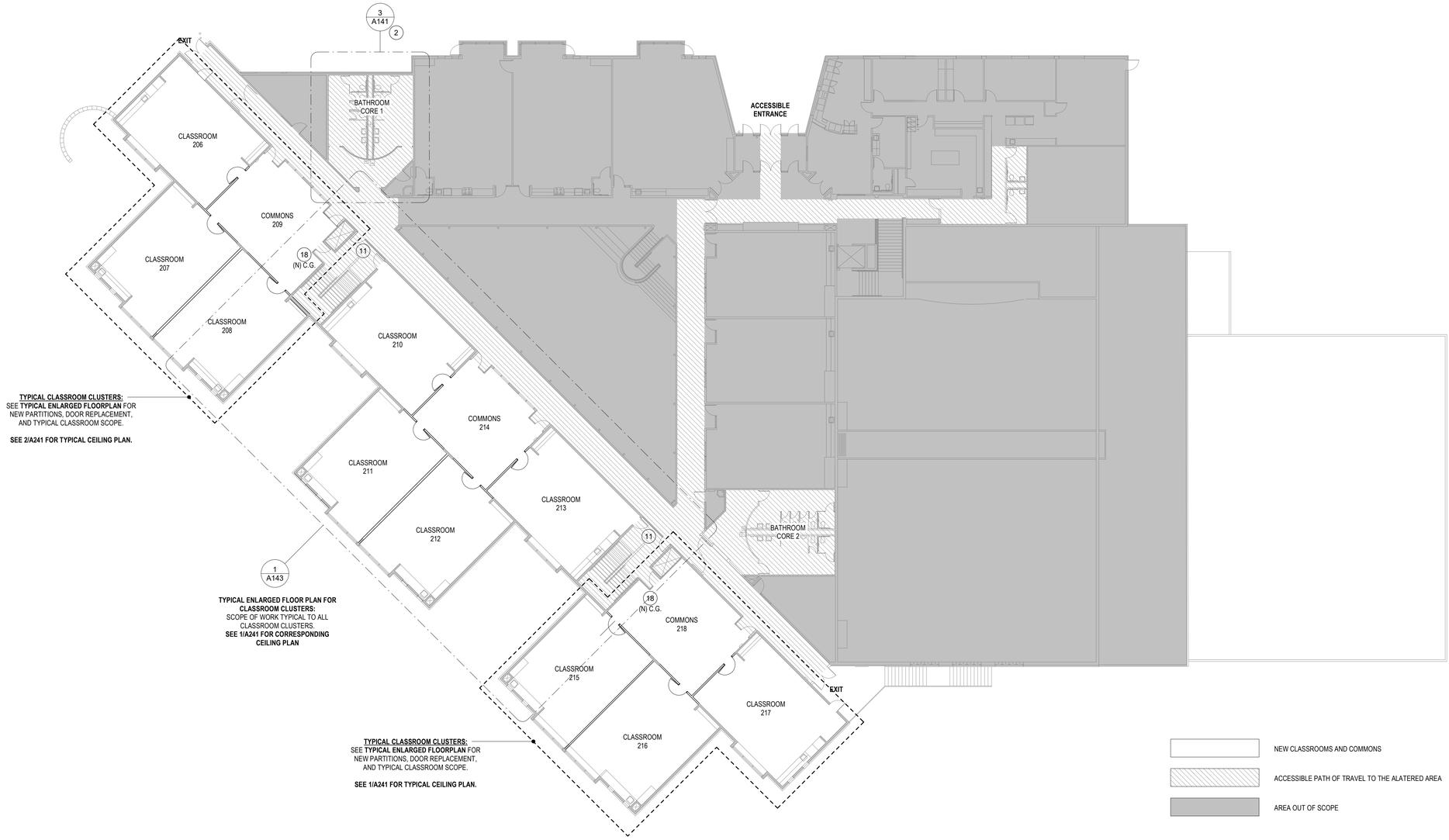
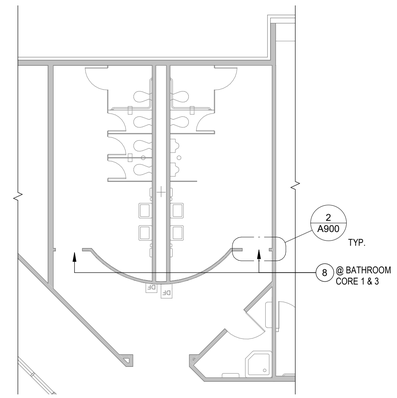


FLOOR PLAN - UPPER LEVEL 1
1/16" = 1'-0"



TYPICAL RESTROOM PLAN 3
1/8" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. REFER TO SHEET G101 FOR LOCATION OF RATED WALLS. MAINTAIN ALL RATINGS THROUGH RATED ASSEMBLIES INCLUDING THROUGH PENETRATIONS AND PERIMETER JOINT ASSEMBLIES.

C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

F. WHERE DIMENSIONS ARE LISTED AS 'CRITICAL CLEAR' THESE DIMENSIONS MUST ABSULUTELY BE HELD FOR ADA OR EGRESS COMPLIANCE. DIMENSIONS LISTED WITH '+/-' TYPICALLY HAVE SOME CONSTRUCTION TOLERANCE.

G. PATCH AREAS ADJACENT OR ADJOINING DEMOLITION WORK TO MATCH EXISTING AND/OR NEW CONSTRUCTION.

H. ALL NEW GYPSUM BOARD WALL SURFACES TO RECEIVE A SMOOTH, LEVEL 4 FINISH PER AWCI STANDARDS.

I. PROVIDE SOLID WOOD BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

KEYED NOTES - PROJECT SCOPE

1	ALIGN FACE OF ADJACENT FINISHES, TYPICAL.
2	SEE TYPICAL ENLARGED PLANS AND KEYNOTES FOR SCOPE WTIHIN THIS AREA.
3	PROVIDE BLOCKING FOR WALL MOUNTED DOOR STOP AT NEW DOOR, TYPICAL.
4	DEMOLISH EXISTING OPERABLE PARTITION. GC TO RECYCLE IF POSSIBLE. EXISTING HEADTRACK TO REMAIN. FIELD VERIFY HEADTRACKS PRIOR TO INSTALLATION OF NEW PARTITION.
5	PROVIDE 2X WOOD BLOCKING FOR FUTURE WALL MOUNTED BOARD (CFCI) ALONG ENTIRE LENGTH OF THIS WALL. SEE TYPICAL ELEVATION AND BLOCKING DETAIL.
8	REMOVE (E) DOOR AND HARDWARE. SEE TYPICAL FOR PATCH AND PAINT REQUIREMENTS.
11	PROVIDE STAIR LEVEL IDENTIFICATION SIGN IN RAISED CHARACTERS AND BRAILLE TO MEET THE REQUIREMENTS OF 2009 ICC A117.1 504.9 AT EACH FLOOR LEVEL LANDING ADJACENT OT THE DOOR LEADING FROM THE STAIRWELL INTO THE CORRIDOR TO IDENTIFY THE FLOOR LEVEL. PROVIDE ADDITIONAL SIGN AT STAIRWELL EXIT DOOR STATING 'EXIT.' SIGNS TO MATCH EXISTING CODE REQUIRED SIGNAGE FOR COLOR, SIZE AND FONT WITHIN THE BUILDING.
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
17	INSTALL OWNER PROVIDED ROOM SIGANGE, TYP. ALL SIGNAGE TO MATCH DISTRICT STANDARD AND SHALL BE CFCI
18	INSTALL NEW 3"x3"x48" STAINLESS STEEL CORNER GUARD, MECHANICALLY FASTENED.

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FLOOR PLAN - MAIN LEVEL

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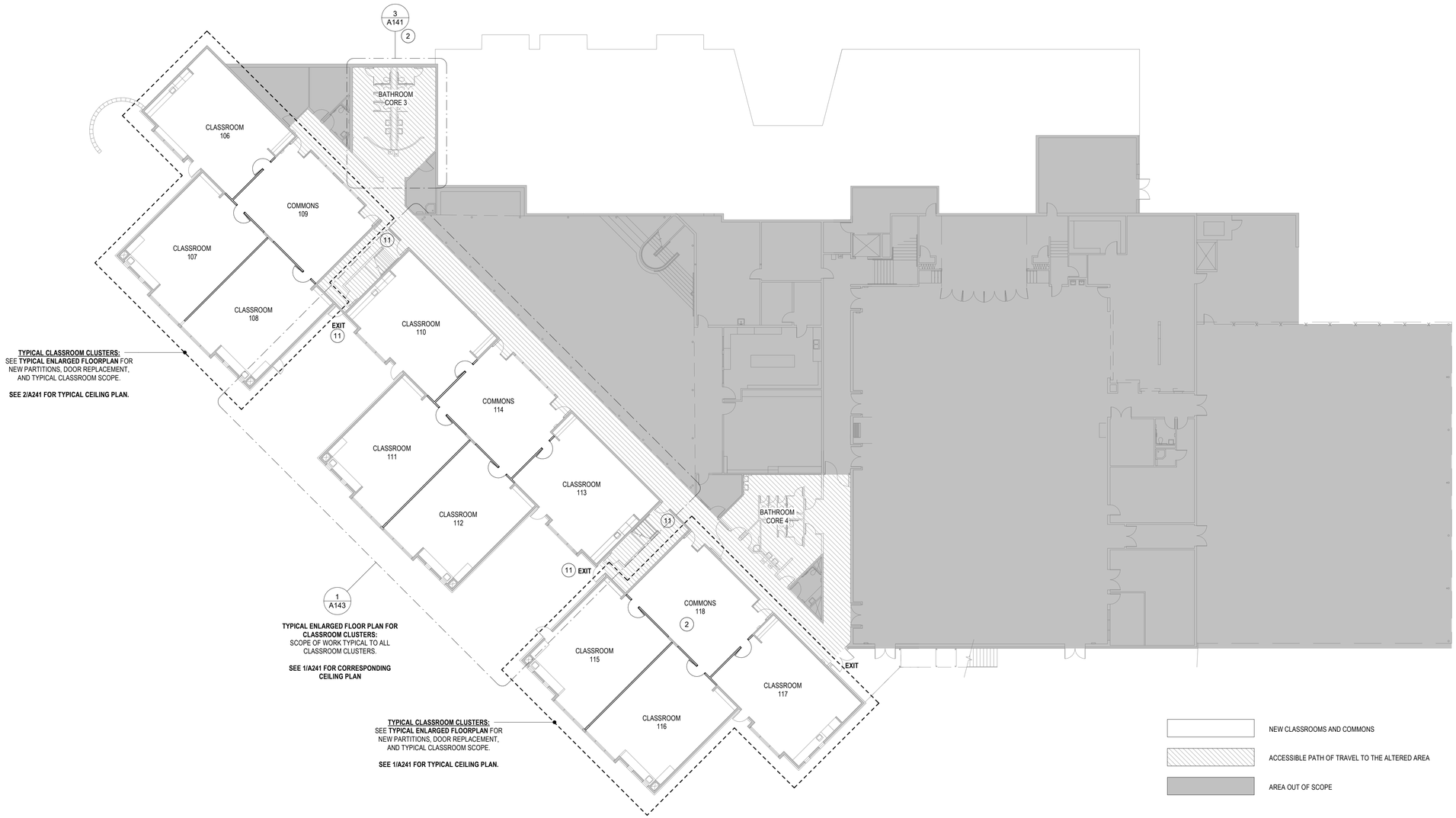

FLOOR PLAN - LOWER LEVEL 1

1/16" = 1'-0"

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GENERAL NOTES - FLOOR PLAN

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FINISH SCHEDULE

NOTE - INSTALL ALL FINISHES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

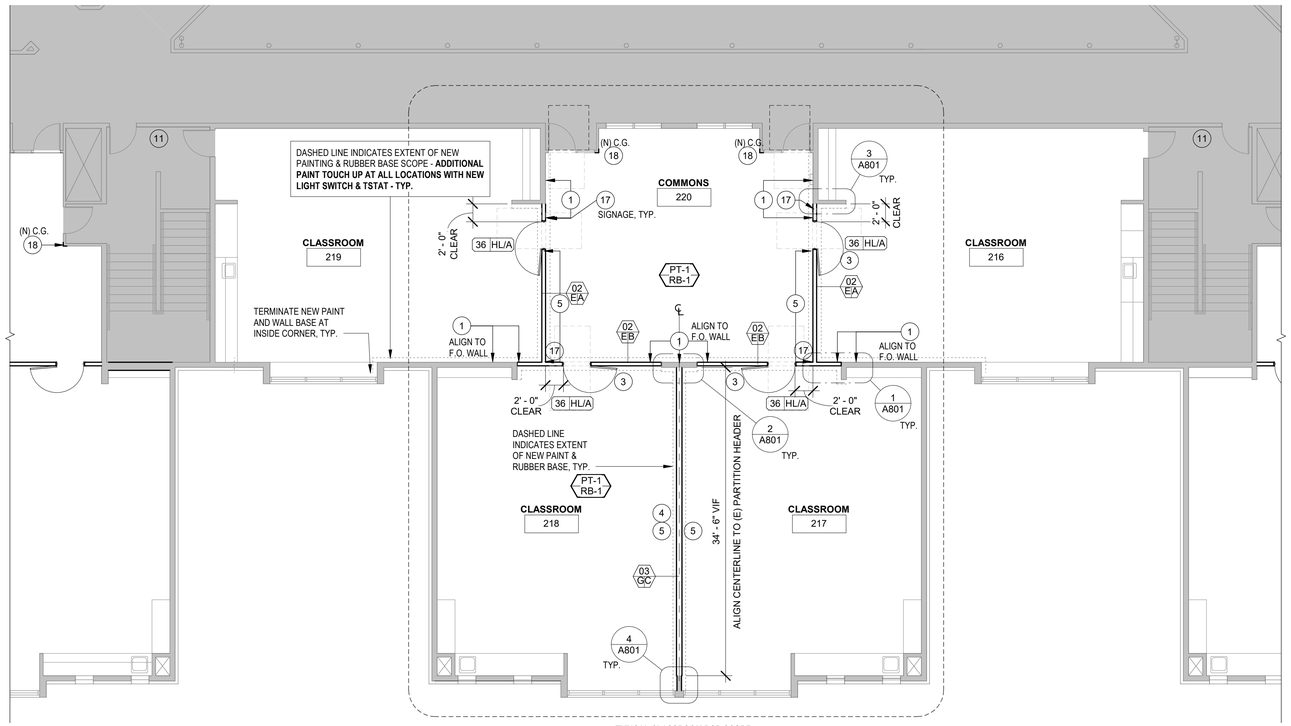
09 91 00 - PAINTS AND COATINGS

PT-1:
MANUFACTURER: RODDA PAINT
PRODUCT: UNIQUE II LOW-GLOSS (532001)
COLOR: MATCH BUILDING STANDARD
FINISH: LOW GLOSS EGGSHELL
LOCATIONS: WALL FINISH

PT-2:
MANUFACTURER: RODDA PAINT
PRODUCT: MULTI MASTER DTM OR EQUAL
COLOR: TBD
LOCATIONS: DOOR FRAME

09 65 00 - RESILIENT FLOORING & BASE

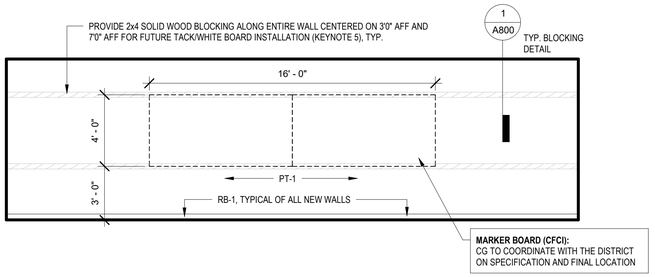
RB-1:
MANUFACTURER: FLEXCO
PRODUCT: WALLFLOWERS RUBBER COVE BASE
SIZE: 4"
COLOR: BROWN
LOCATIONS: AT WALLS WHERE NEW PAINT IS APPLIED, TYPICAL



TYPICAL CLASSROOM POD SCOPE

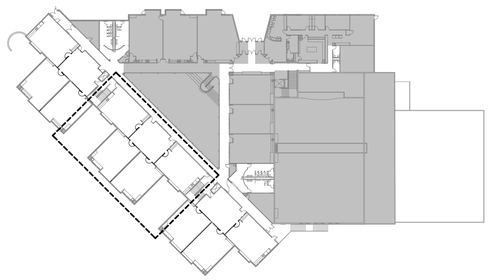
ENLARGED PLAN - TYPICAL CLASSROOM

1/8" = 1'-0" (1)



TYPICAL ELEVATION - CLASSROOM WALL

1/4" = 1'-0" (3)



KEYPLAN

1" = 60'-0" (K)

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

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C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

F. WHERE DIMENSIONS ARE LISTED AS 'CRITICAL CLEAR' THESE DIMENSIONS MUST ABSULULTELY BE HELD FOR ADA OR EGRESS COMPLIANCE. DIMENSIONS LISTED WITH '+/-' TYPICALLY HAVE SOME CONSTRUCTION TOLERANCE.

G. PATCH AREAS ADJACENT OR ADJOINING DEMOLITION WORK TO MATCH EXISTING AND/OR NEW CONSTRUCTION.

H. ALL NEW GYPSUM BOARD WALL SURFACES TO RECEIVE A SMOOTH, LEVEL 4 FINISH PER AWCI STANDARDS.

I. PROVIDE SOLID WOOD BLOCKING FOR ALL WALL MOUNTED EQUIPMENT BOTH SHOWN AND THOSE PROVIDED BY THE OWNER. SEE SHEET A800 FOR TYPICAL BLOCKING DETAILS.

LEGEND - FLOOR PLANS

WALL TAG — 01 / E/A: WALL TYPE PER ASSEMBLY; BRACING CONDITION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE — 102: DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE — 34 / A: DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG — A: WINDOW TYPE - SEE SCHEDULE

KEY NOTE — 1.: KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

LIGHTING AND CEILING MATERIALS - LEGEND

FINISHES KEY. SEE FINISH SCHEDULE FOR TYPES

ACT-1: (24 x 48) — GWB: (SEE TYPE)

WALL BRACING KEY - REFER TO PARTITION DETAILS

COMPOSITE WALL TO PARTITION TRACK - SEE WALL DETAIL C/A800.

BRACED WALL, BELOW GWB HEADER - SEE WALL DETAIL B/A800.

BRACED WALL, BELOW TILE CEILING - SEE WALL DETAIL A/A800.

CEILING TAG

ACT-1 / 10-0" — *CEILING TYPE - SEE SCHEDULE*; *CEILING HEIGHT AFF*

LIGHTING & FIXTURE KEY. SEE SPECIFICATIONS AND ELEVATIONS FOR DETAILS

LIGHTING TAG - SEE SCHEDULE

/L-X — **TROFFER FIXTURE** - 2 x 2

L-XE — **TROFFER FIXTURE** - EMERGENCY POWER

$ — **SWITCH LOCATION**
D = DIMABLE
OS = OCCUPANCY SENSOR
3 = 3-WAY SWITCH

EXIT LIGHT (BATTERY BACKUP) - ARROW DESIGNATES DIRECTION

OUTLET LOCATION - ABOVE 96" CEILING

HBX STUDIO
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810 SE SALMON ST, SUITE 960, PORTLAND, OREGON 97214

REGISTERED ARCHITECT — MICHAEL BARRETT SMITH — OR No. 5889 — STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
16400 SW LOON DR
BEAVERTON OR 97007

PERMIT

PROJECT: 21005.04
DATE: 11/10/2022

ENLARGED PLAN - TYPICAL CLASSROOM

A143

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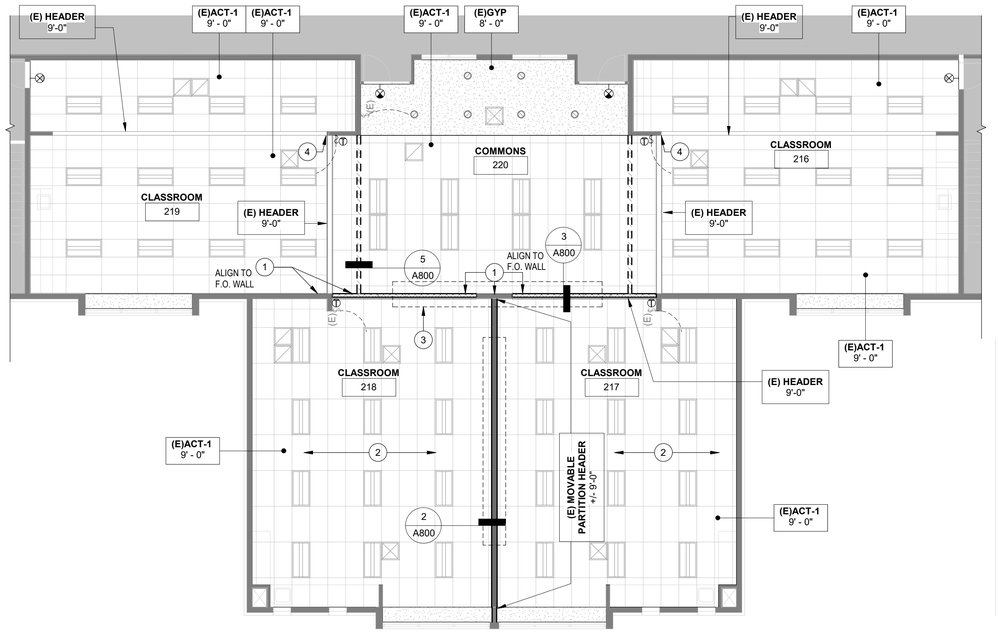
KEYED NOTES - RCP

1	ALIGN FACE OF FINISH.
2	AREA OF HVAC WORKSCOPE: NEW TERMINAL UNIT IN THIS AREA. SEE MECHANICAL FOR TYPICAL LOCATION.
3	GC TO PATCH BACK ALL PENETRATION AROUND NEW DUCTING AND/OR EXISTING PENETRATION FOLLOWING HVAC DEMOLITION. SEE MECHANICAL FOR TYPICAL LOCATION AND SCOPE.
4	RELOCATE LIGHT SWITCH WHERE CONFLICT OCCURS WITH EXISTING SWITCH LOCATION AND NEW PARTITION. PARTCH, REPAIR AND PAINT GWB AROUND THE AREA SEAMLESS TO ADJACENT CONDITION.

ELECTRICAL SCOPE: SEE ELECTRICAL FOR ALL EXISTING TO REMAIN AND EXISTING TO RELOCATE EXIT SIGNS AND LIGHT SWITCHES.

AREA OF HVAC WORKSCOPE: GC TO REPLACE ALL CEILING TILE AND GRID AND REPAIR AS NECESSARY TO THE EXTENT REQUIRED TO ACCOMODATE NEW MECHANICAL WORK SCOPE. SEE MECHANICAL.



TYPICAL ENLARGED CEILING PLAN #1 (1)
1/8" = 1'-0"

TYPICAL ENLARGED CEILING PLAN #2 (2)
1/8" = 1'-0"

GENERAL NOTES - REFLECTED CEILING PLANS

A. LIGHTING SHOWN IS FOR DESIGN INTENT ONLY. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE LIGHTING SYSTEM THAT MEETS ALL LOCAL REGULATORY CODES. REFER TO G001 FOR DESIGN BUILD REQUIREMENTS, G101 FOR EMERGENCY LIGHTING REQUIREMENTS AND THE LOCAL ENERGY CODE FOR DAYLIGHT ZONE REQUIREMENTS.

1. SPECIFICATION OF LUMENS AND/OR LIGHT LEVELS IS DESIGN/BUILD. IN GENERAL, PROVIDE LIGHT LEVELS TO MATCH THE ILLUMINATED ENGINEERING SOCIETY (IES) LIGHTING HANDBOOK RECOMMENDATIONS.
2. CONFIRM AND PROVIDE EMERGENCY EGRESS LIGHTING OF A MINIMUM 1 FC AT ALL TIMES ALONG EGRESS PATHS. COORDINATE SWITCHING, GENERATOR POWER OR BATTERY BACKUP OF ALL LIGHT FIXTURES.

B. DESIGN REQUIREMENT FOR ALL CEILINGS MUST MEET THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE FOR SEISMIC CATEGORIES D, E & F, ASCE 7-02, OR-05, OR CISCA RECORDATION FOR SEISMIC ZONES 3 & 4 OR TO THE LOCAL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. SEE GENERAL NOTES ON A810 FOR DESIGN REQUIREMENTS.

C. COORDINATE ALL SWITCHING WITH OWNER FOR PREFERRED LOCATIONS.

1. ALL OFFICES AND INDIVIDUAL ROOMS TO BE SWITCHED INDEPENDENTLY. PROVIDE AN OCCUPANCY SENSOR TO ALL ENCLOSED ROOMS.
2. COORDINATE OPEN AREA SWITCHING WITH THE TENANT FOR PREFERRED LOCATIONS.
3. COORDINATE FINAL LOCATION OF PENDANTS WITH FURNITURE. VERIFY LOCATION WITH OWNER OR DESIGNER PRIOR TO FINAL PLACEMENT.
4. WHERE ACCENT LIGHTING IS DESIGNATED, SEPARATE SWITCHING IS PROPOSED AND DESIGNATED BY DASHED LINES WITHIN THIS DRAWING.

D. CENTER ALL FIXTURES AND SPRINKLER HEADS WITHIN CEILING TILES, ALIGN RECESSED FIXTURES AND SPRINKLER SYSTEMS.

E. CENTER ALL LIGHTING FIXTURES BETWEEN CEILING GRID OR ADJACENT WALLS, UNLESS INDICATED OTHERWISE.

F. WHERE LIGHTING FIXTURES ARE PROPOSED WITHIN ROOMS WITH AN OPEN CEILING, PROVIDE SUFFICIENT SUPPORT SUCH AS UNISTRUT OR TIE WIRES TO SUSPEND FIXTURES AT 9'-6" AFF UNLESS NOTED OTHERWISE.

G. WITHIN NON-ACT CEILINGS (I.E. HARDLID), PROVIDE THE FOLLOWING :

SPRINKLER HEADS:	FULLY CONCEALED, COLOR TO MATCH CEILING
HVAC GRILLS:	LINEAR DIFFUSERS AND RETURNS
ACCESS PANELS:	FULLY FLUSH RECESSED

H. WHERE CEILINGS RECEIVE A FINISH OTHER THAN WHITE PAINT OR MANUFACTURER'S ACT, PROVIDE WALL MOUNTED STROBES, HORNS, EGRESS SIGNS OR OTHER CODE REQUIRED ITEMS.

I. SEE SECTION 01 91 13 - GENERAL COMMISSIONING REQUIREMENTS FOR MECHANICAL AND CONTROL SCOPE TO BE COMMISSIONED.

LIGHTING AND CEILING MATERIALS - LEGEND

FINISHES KEY. SEE FINISH SCHEDULE FOR TYPES

ACT-1: (24 x 48) **GWB: (SEE TYPE)**

WALL BRACING KEY - REFER TO PARTITION DETAILS

COMPOSITE WALL TO PARTITION TRACK - SEE WALL DETAIL C/A800.

BRACED WALL, BELOW GWB HEADER - SEE WALL DETAIL B/A800.

BRACED WALL, BELOW TILE CEILING - SEE WALL DETAIL A/A800.

EXISTING WALLS

CEILING TAG

ACT-1 10-0" — *CEILING TYPE - SEE SCHEDULE* — *CEILING HEIGHT AFF*

LIGHTING & FIXTURE KEY. SEE SPECIFICATIONS AND ELEVATIONS FOR DETAILS

LIGHTING TAG - SEE SCHEDULE

EXISTING TROFFER FIXTURE - 2 x 4

EXISTING LINEAR PENDANT - 96"

EXISTING RECESSED LIGHT

THERMOSTAT SEE MECHANICAL

$ **SWITCH LOCATION**

EXIT LIGHT (BATTERY BACKUP) EXISTING

NEW/RELOCATED

D = DIMABLE
OS = OCCUPANCY SENSOR
3 = 3-WAY SWITCH

OUTLET LOCATION - ABOVE 96" CEILING

HVAC SYMBOLS. SEE MECHANICAL SHEETS AND SPECIFICATIONS FOR DETAILS

NOTE:
CONCTRACTOR TO REPLACE CEILING TILE AND GRID TO THE EXTENT REQUIRED TO ACCOMMODATE NEW DUCT WORK.

NEW RETURN GRILL

EXISTING SUPPLY DIFFUSER

EXISTING RETURN GRILL

HVAC ELEMENT TO BE DEMOLISHED

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

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PROJECT: 21005.04
DATE: 11/10/2022

ENLARGED TYPICAL CEILING PLAN

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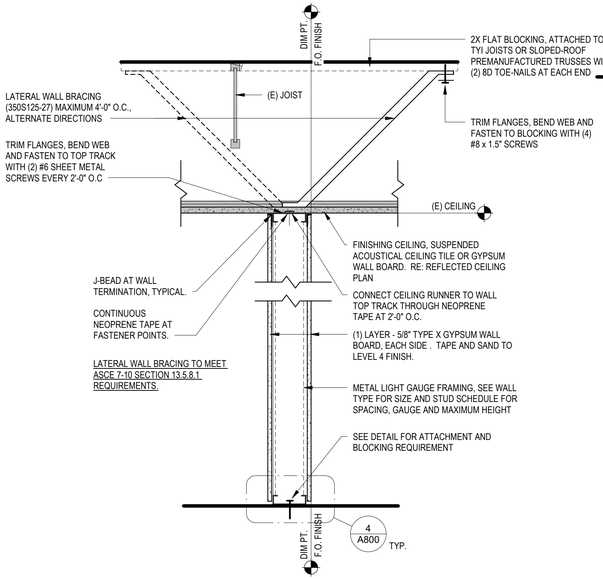
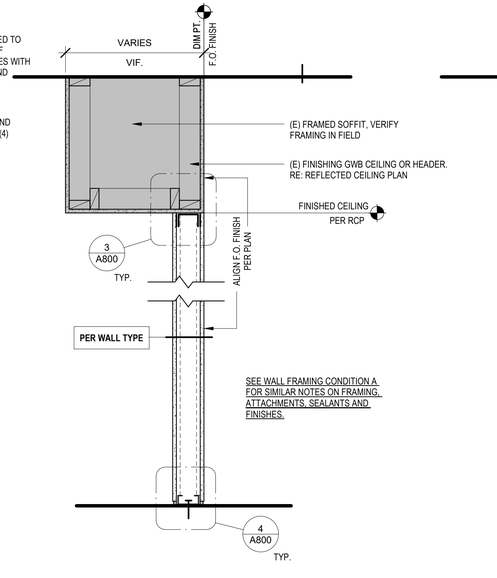


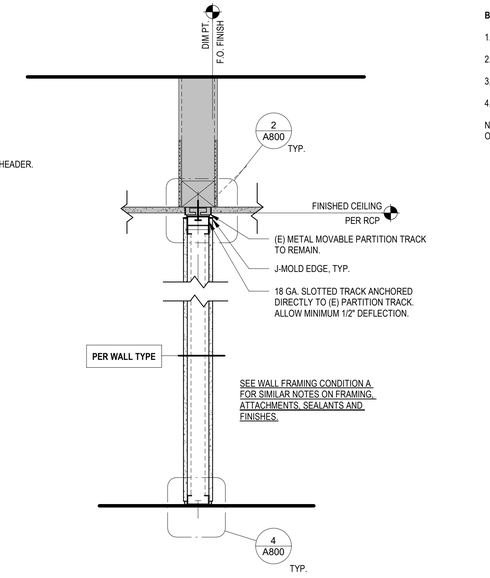
BRACED WALL @ (E) ACT A

1" = 1'-0"



BRACED WALL @ (E) SOFFIT/HEADER B

1" = 1'-0"



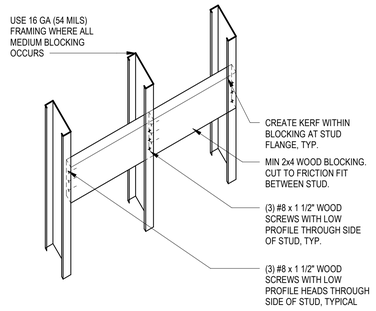
BRACED WALL @ (E) PARTITION TRACK C

1" = 1'-0"

BLOCKING NOTES:

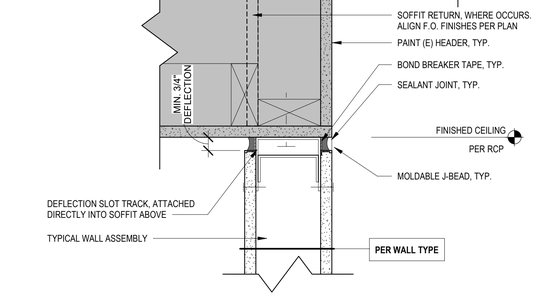
1. CONTRACTOR TO COORDINATE WOOD BLOCKING WITH LOCATIONS OF ALL EQUIPMENT OR DEVICES
2. EXTEND WOOD BLOCKING ACROSS A MINIMUM OF (3) STUDS, EXTEND FOR FULL LENGTH OF INFILL WALLS U.N.O.
3. EXTEND WOOD BLOCKING TO MINIMUM ONE STUD BEYOND EXTENT OF CABINETRY OR WALL-HUNG EQUIPMENT
4. KERF WOOD BLOCKING AT STUD FLANGE TO ALIGN F.O. BLOCKING WITH F.O. METAL STUD

NOTE: CONTRACTOR OPTION TO USE SCAFCO KB- WALL SUPPORT BACKING (KWIK-BACK) BRACKET OR APPROVED EQUAL PER MANUFACTURER INSTRUCTIONS IN LIEU OF DETAIL BELOW.



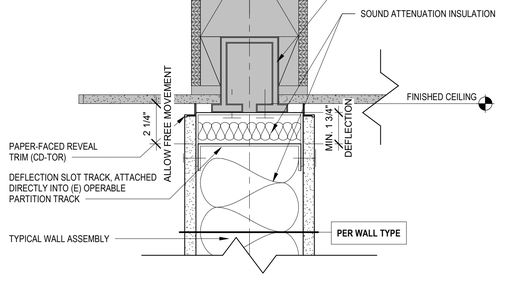
PARTITION - BLOCKING 1

1" = 1'-0"



WALL HEADER AT (E) SOFFIT 3

3" = 1'-0"



WALL HEADER AT PARTITION TRACK 2

3" = 1'-0"

NON-LOADBEARING WALL FRAMING SCHEDULE[3]:

STUD SIZE	SECTION	SPACING (O.C)	MAXIMUM HEIGHT - L/240 @ 10 PSF: COMPOSITE [1]	NON-COMPOSITE [2]
2 1/2"	250S125-18	16" O.C.	10' - 0"	N/A
	250S125-18	24" O.C.	8' - 2"	N/A
	250S125-33	16" O.C.	13' - 3"	9' - 6"
	250S125-33	24" O.C.	9' - 10"	8' - 4"
3 5/8"	362S125-18	16" O.C.	11' - 5"	8' - 0"
	362S125-18	24" O.C.	9' - 4"	N/A
	362S125-33	16" O.C.	13' - 10"	12' - 6"
	362S125-33	24" O.C.	11' - 11"	10' - 2"
6"	600S125-18	16" O.C.	14' - 2"	8' - 7"
	600S125-18	24" O.C.	N/A	N/A
	600S125-33	16" O.C.	22' - 3"	13' - 10"
	600S125-33	24" O.C.	17' - 8"	12' - 1"

[1] COMPOSITE WALL CONSRUCTION REQUIRES A SINGLE LAYER OF 5/8" TYPE X GWB INSTALLED IN VERTICAL ORIENTATION TO BOTH SIDES OF THE WALL.

[2] NON-COMPOSITE WALL CONSRUCTION REQUIRES FULL BRACING EVERY 48" O.C. AT OR BELOW MAXIMUM HEIGHT.

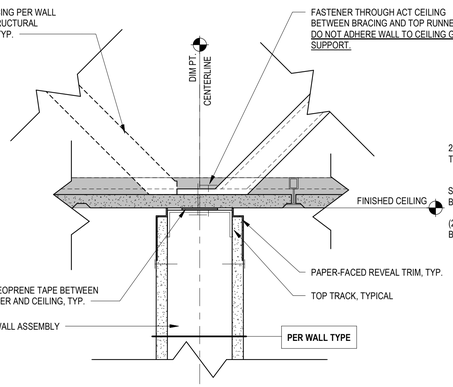
[3] PER SSMA TABLES PUBLISHED BY SCAFCO. CONSULT TABLE FOR MAXIMUM HEIGHT SPANS FOR CONDITIONS NOT LISTED IN TABLE ABOVE.

NOTE: EQ STUDS ARE NOT ACCEPTABLE PER DISTRICT STANDARD

STEEL STUD NON-BRC WALL HEADER SCHEDULE

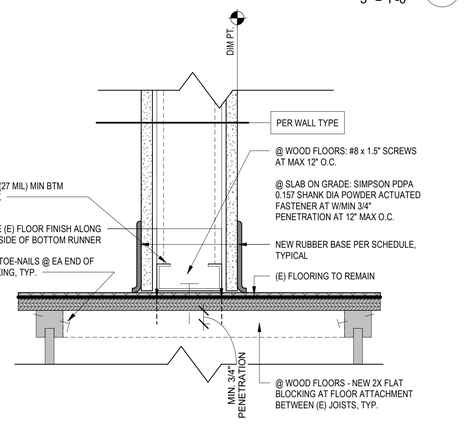
WALL HEIGHT	STUD WIDTH	OPENING WIDTH (TOP & BOTTOM TRACKS): <=6'-0"	<=8'-0"	<=10'-0"	<=12'-0"	<=14'-0"
<=8'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-43 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=10'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-54 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=12'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B*
<=14'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B*	350T125-33 TOP 350T125-43 BOT*	350T125-33 TOP 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B*	550T125-33 T&B*	550T125-43 T&B**

NOTES:
[1] HEADER HEIGHT ASSUMED >= 6'-0" AND <= 10'-0"
[2] OPENINGS ASSUMED WITH 4-WAY PRESSURE DISTRIBUTION
[3] PROVIDE #8 SMS AT 12" OC FROM TRACKS TO S-SECTIONS AS SHOWN
[4] VERTICAL S-SECTIONS TO BE DBL 400S125-33 MIN EXCEPT WHERE DENOTED (*) USE DBL 400S162-43 MIN AND (**) USE DBL 400S162-54 MIN



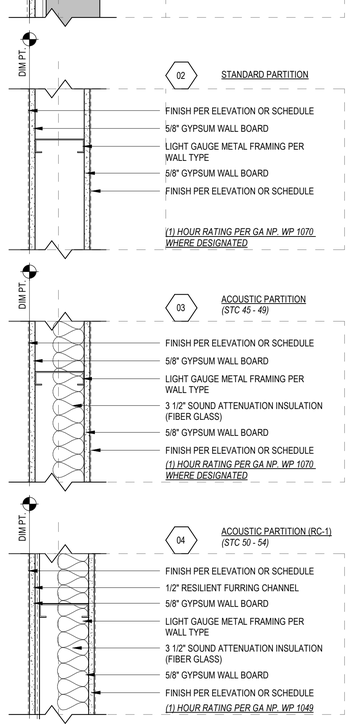
WALL HEADER AT (E) ACT 5

3" = 1'-0"



(N) PARTITION BASE 4

3" = 1'-0"



PARTITION TYPES

1 1/2" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - PARTITIONS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. PLAN DIMENSION ARE TO THE FINISHED FACE OF PARTITION ASSEMBLY, CENTERLINE OF STRUCTURAL COLUMN, OR TO FACE OF CONCRETE OR CONCRETE MASONRY UNLESS NOTED OTHERWISE.

C. PROVIDE 5/8" GYPSUM WALL BOARD (GWB), EACH SIDE, ON LIGHT GAUAGE METAL FRAMING AT 16" O.C. AS TYPICAL PARTITION UNLESS NOTED OTHERWISE.

D. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL DESIGNATED WET AREAS DEFINED AS 2'-0" BEYOND THE EXTENTS OF THE EDGE ALL PLUMBING FIXTURES, THE BOTTOM 2'-0" ABOVE SLAB IN RESTROOMS AND JANITORS CLOSETS AND OTHER OR AREAS PRONE TO EXPOSED WATER.

E. PROVIDE 5/8" DENSHEILD - TYPE X OR APPROVED EQUIPMENT BEHIND ALL CERAMIC TILE INSTALLATIONS.

F. SOUND ATTENUATION BLANKET TO BE 3 1/2" IN THICKNESS UNLESS OTHERWISE NOTED OR AS PRESCRIBED IN A UL RATED ASSEMBLY.

G. PROVIDE ACOUSTICAL SEALANT AT JOINTS AND PERIMETER OF ALL TYPICAL WALLS, PROVIDE FIRE RATED SEALANT AT ALL FIRE RATED WALLS.

H. MAINTAIN THE LISTED STC RATING AND ACOUSTICAL PERFORMANCE OF ALL PARTITIONS. CAULK ALL PENETRATIONS AND WHEN RETURN AIR PLENUMS ARE PROPOSED, PROVIDE AND INSTALL A STAGGERED AND LINED DUCT ELBOW.

I. SEE FIRE LIFE SAFETY (FLS) PLAN FOR LOCATIONS OF RATED ASSEMBLIES.

J. NOTIFY THE ARCHITECT IN WRITING BETWEEN DISCREPENCIES BETWEEN LISTED UL OR GA RATED ASSEMBLIES. COMPONANTS DEPICTED WITHIN THIS DRAWING SET AND ASSOCAITED STC TESTS.

K. PROVIDE LABELED GYPSUM WALL BOARD AT FIRE RATED PARTITIONS.

L. PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

M. FIRE RATED AND SMOKE ASSEMBLY PARTITIONS AND BARRIERS TO EXTENT TO THE UNDERSIDE OF STRUCTURE UNLESS NOTED OTHERWISE.

N. FRAME AROUND BEAMS AND OTHER STRUCTURAL ELEMENTS WHEN THEY OCCURE WITHIN THE SPACE OF A FIRE RATED OR ACOUSTICAL PARTITION.

O. ALL PARTITIONS ARE NON-LOAD BEARING UNLESS OTHERWISE NOTED. REFERENCE STRUCTURAL DRAWINGS FOR LOAD BEARING PARTITION ASSEMBLIES.

P. PROVIDE CONNECTIONS TO EXISTING STRUCTURE THAT ISOLATE NON-LOAD BEARING WALLS FROM STRUCTURAL MOVEMENT. PROVIDE DEFLECTION TRACKS AT THE TOPS OF ALL PARTITIONS AND SLOTTED CONNECTIONS AT INTERMEDIATE STRUCTURES.

LEGEND - FLOOR PLANS

WALL TAG — XX / EA — WALL TYPE PER ASSEMBLY; BRACING CONDITION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE — 102 — DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE — 34 A — DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG — A — WINDOW TYPE - SEE SCHEDULE

KEY NOTE — 1. — KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

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16400 SW LOON DR
BEAVERTON OR 97007
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PROJECT: 21005.04
DATE: 11/10/2022

TYPICAL PARTITION DETAILS

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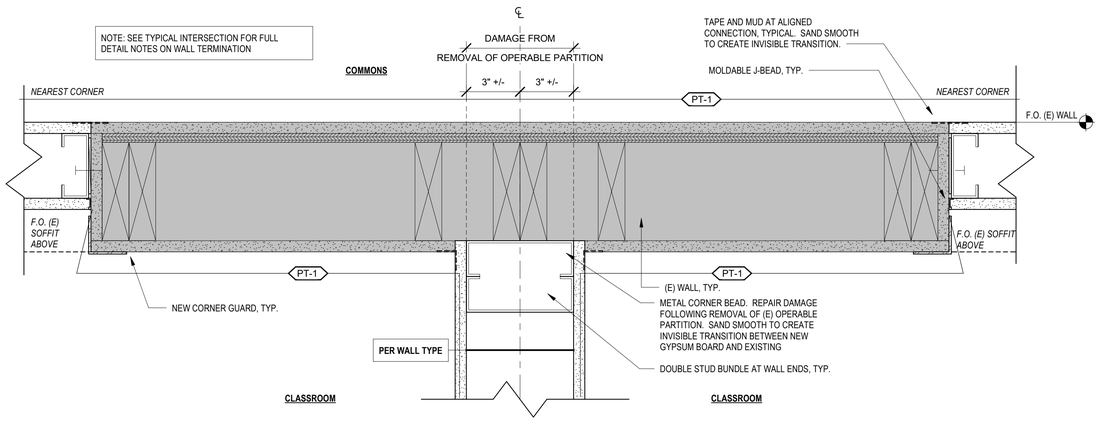
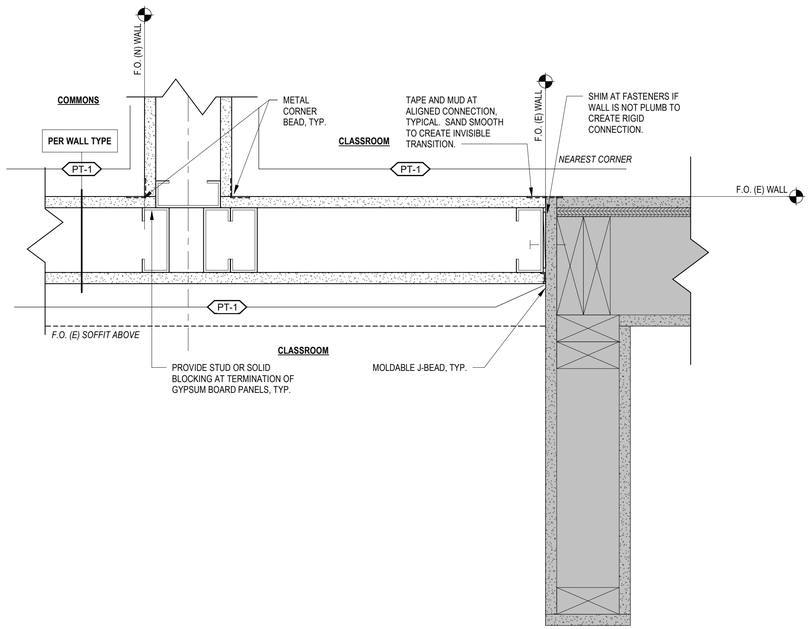


TYPICAL WALL - OPERABLE PARTITION REPAIR 2

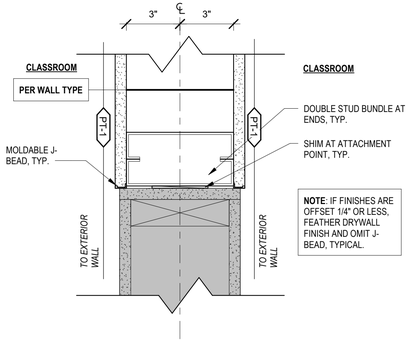
3" = 1'-0"



TYPICAL WALL - PERPENDICULAR INTERSECTION 1

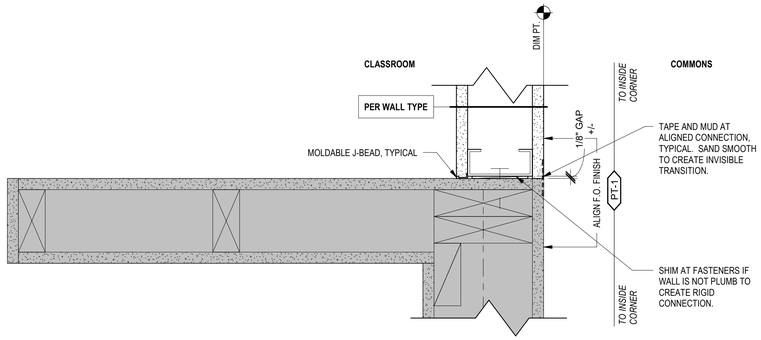
3" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION



TYPICAL WALL - OPERABLE PARTITION REPAIR @ EXTERIOR 4

3" = 1'-0"



TYPICAL WALL - NEW WALL @ (E) WING WALL 3

3" = 1'-0"

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TYPICAL PARTITION DETAILS

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GENERAL NOTES - PROJECT SIGANGE

A. COORDINATE ALL SIGNAGE WITHIN THE PROJECT, INCLUDING CODE REQUIRED SIGNAGE, WITH EXISTING BUILDING SIGNAGE OR WITH CURRENT DISTRICT STANDARDS.

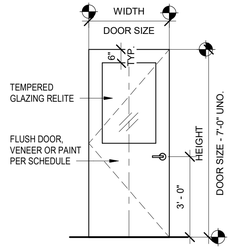
B. CODE REQUIRED SIGNAGE, SUCH AS STAIRWAY SIGNAGE AND ACCESSIBLE PARKING SIGNAGE, TO BE PROCURED AND INSTALLED BY THE GENERAL CONTRACTOR. PROVIDE DETAILED INFORMATION ON SIZE, FONT AND COLOR WITHIN A SUBMITTAL FOR ARCHITECT AND OWNER REVIEW.

C. ROOM SIGNAGE IS CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED. COORDINATE EXTENTS AND LOCATION WITH OTHER WALL MOUNTED ITEMS. PROVIDE AN ALLOWANCE FOR THE PATCH AND REPAIR OF EXISTING WALLS WHERE EXISTING SIGANGE IS RELOCATED OR REPLACED.

(E) SIGNAGE - SCHOLLS HEIGHTS ELEMENTARY - FOR REFERENCE ONLY

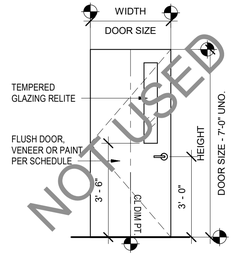
EXISTING DOOR AT COMMONS, GENERAL CONTRACTOR TO MATCH RELITE AND WOOD GRAINING.

NOTE: MATCH EXISTING DOOR RELITE SIZES, WOOD GRAIN, STAIN AND GENERAL LOOK OF DOORS WITHIN EXISTING LOCATIONS. PROVIDE PHOTOGRAPH OF EXISTING DOOR WITHIN DOOR SUBMITTAL.



HL - HALF LITE

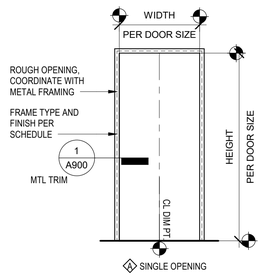
NANCY RYLES FINDLEY SCHOLLS HEIGHTS



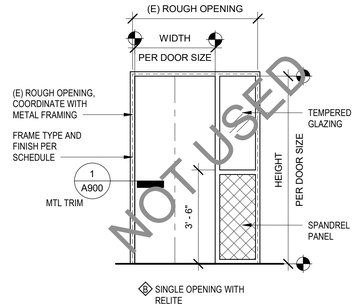
NL - NARROW LITE

JACOB WISMER

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



A SINGLE OPENING

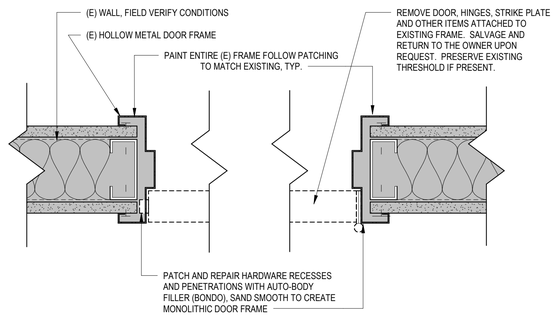


B SINGLE OPENING WITH RELITE

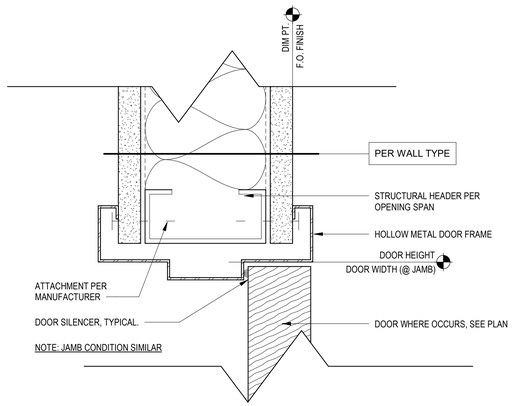
DOOR FRAME TYPES
3/8" = 1'-0"

DOOR SCHEDULE

DOOR TYPE	Count	FINISHED SIZE		FRAME						DOOR				HARDWARE GROUP	NOTES
		WIDTH	HEIGHT	TYPE	FIRE RATING	MATERIAL	FINISH	TRIM MATERIAL	TRIM FINISH	TYPE	THICKNESS	MATERIAL	FINISH		
HL/A	20	3' - 0"	7' - 0"	A	N/A	HM	PT	STL	PT	HL	1 3/4"	WD	TS	2	MATCH EXISTING CLASSROOM DOOR RELITE. GRAINING AND FINISH. PROVIDE NEW BLIND AT RELITE TO MATCH (E) BUILDING STANDRD CONTRACTOR TO VERIFY THE FINAL DOOR COUNT.



OPENING - (E) FRAME REPAIR
3" = 1'-0" — 2



OPENING - HEAD/JAMB - HOLLOW METAL
6" = 1'-0" — 1

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - DOORS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. DIMENSIONS SHOWN FOR DOORS AND WINDOWS ARE TYPICALLY FINISHED OPENING DIMENSIONS. COORDINATE ROUGH OPENING DIMENSIONS PER MANUFACTURER RECOMMENDATIONS WITH SELECTED OPENING.

C. EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR FORCE.

D. THE MAIN EXIT TO DOOR TO HAVE SIGNAGE ABOVE THE DOOR READING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

E. ALL NEW DOORS TO BE SOLID WOOD, PAINT GRADE UNLESS NOTED OTHERWISE.

F. PROVIDE NEW ADA LEVER STYLE DOOR HARDWARE TO MATCH BUILDING STANDARD. *(SCHLAGE 'ND', SERIES, RHODES STYLE)*

G. ALL NEW FRAMES TO BE FULLY WELDED UNLESS NOTED OTHERWISE. *(CURRIES 16 GA.)*

H. PROVIDE TEMPERED GLAZING IN ALL DOORS AND RELITES UNLESS NOTED OTHERWISE.

I. REFER TO ELEVATIONS FOR DOOR AND FRAME PAINT FINISH WHERE PAINT IS USED.

MATERIAL LEGEND

(E)	EXISTING	**WD**	WOOD - SOLID CORE
GL	GLASS - TEMPERED	**HC**	WOOD - HOLLOW CORE
MDF	MDF - TRIM	**MTL**	METAL - SOLID CORE
MFR	MANUFACTURER'S FINISH	**STL - KD**	STEEL FRAME - KNOCKDOWN
PT	PAINT	**HM**	HOLLOW METAL FRAME
TS	TRANSPARENT STAIN	**ALUM**	ALUMINUM STOREFONT

HARDWARE GROUPS

BASIS OF DESIGN PRODUCTS: *CONTRACTOR TO SUBMIT COMPLETE HARDWARE GROUPS BASED ON BASIS OF DESIGN PRODUCTS AND HARDWARE DESIGN DIRECTION BELOW.*

ALL NEW HARDWARE TO BE SATIN CHROME (US26D), UNO.

DOOR FRAMES:	*CURRIES 16 GA FULLY WELDED - EQUAL RABBIT*
LEVER HARDWARE SETS:	*SCHLAGE ND SERIES VANDLGARD, "RHODES"*
CORES:	*SCHLAGE FULL SIZE INTERCHANGEABLE (FSIC) CYLINDERS*
HINGES:	*IES HW 4.5" X 4.5" NRP*
PANIC BARS:	*VON DUPRIN EL 99 OR XP99*
CLOSERS:	*LCN 4010 (INWARD SWING), LCN 4111 (OUTWARD SWING)*
STOPS:	*BHMA 626, IVES OR EQUAL*
KICK PLATE:	*STAINLESS STEEL, FULL WIDTH*

GROUP 1: **COMMONS (PANIC HARDWARE)**
(3) PAIR BUTTS - 4 1/2"
PANIC HARDWARE
CLOSER
WALL STOP TYPICAL UNO.
SILENCER
KICK PLATE

GROUP 2: **CLASSROOM**
(3) PAIR BUTTS - 4 1/2"
LEVER SET - "CLASSROOM" TYPE
WALL STOP TYPICAL UNO.
SILENCER
KICK PLATE

PROVIDE WINDOW TREATMENT/BLIND AT DOOR RELITE, TYP.

HBX STUDIO
HBX-STUDIO.COM
833 SW 11TH AVE, SUITE 910, PORTLAND, OREGON 97205

REGISTERED ARCHITECT — MICHAEL BARRETT — OR No. 5889 — STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
16400 SW LOON DR
BEAVERTON OR 97007

PERMIT

PROJECT: 21005.04
DATE: 11/10/2022

DOORS, FRAMES, HARDWARE SCHEDULE & TYPICAL OPENING DETAILS

A900

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ABBREVIATIONS

AC	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AH	AIR HANDLER (SPLIT REFRIG)
AHU	AIR HANDLING UNIT
AL	ACOUSTICAL LINING
AP	ACCESS PANEL
BB	ELECTRIC BASEBOARD RADIATION
B	BOILER
BDD	BACK DRAFT DAMPER
BFC	BELOW FINISHED CEILING
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
C	CHILLER
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CHWP	CHILLED WATER PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CO	CLEAN OUT
CP	CONDENSATE PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CVB	CONSTANT VOLUME BOX
CWP	CONDENSER WATER PUMP
DB	DRY BULB
DS	DUCT SILENCER
DWP	DOMESTIC WATER PUMP
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EJ	EXPANSION JOINT
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EWC	ELECTRIC WATER COOLER
FA	FREE AREA
FX	FLEXIBLE CONNECTION
FC	FAN COIL UNIT
FD	FIRE DAMPER
FLR	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FOP	FUEL OIL PUMP
FP	FIRE PUMP
FPM	FEET PER MINUTE
FTR	FINNED TUBE RADIATION
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HAND DAMPER
HP	HEAT PUMP
HV	HEATING AND VENTILATING UNIT
HWC	HOT WATER CONVERTER
HWP	HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
ID	INSIDE DIAMETER
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
LD	LINEAR DIFFUSER
LF	LINEAR FEET
MC	MECHANICAL CONTRACTOR
MTD	MOUNTED
MOD	MOTOR OPERATED DAMPER
MUA	MAKE-UP AIR UNIT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NIC	NOT IN CONTRACT
NK	NECK
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OAT	OUTSIDE AIR TEMPERATURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OBD	OPPOSED BLADE DAMPER
PBD	PARALLEL BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RCP	REFLECTED CEILING PLAN
RHC	REHEAT COIL
RF	RETURN FAN
SA	SUPPLY AIR
SAR	SUPPLY AIR REGISTER
SCG	SMOKE CONTROL GRILLE
SD	SMOKE DAMPER
SEF	SMOKE EXHAUST FAN
SF	SUPPLY FAN
SP	STATIC PRESSURE
TG	TRANSFER GRILLE
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
VAV	VARIABLE AIR VOLUME UNIT
VD	VOLUME DAMPER
VTR	VENT THRU ROOF
WB	WET BULB
WMS	WIRE MESH SCREEN

HVAC CONTROL SYMBOLS

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GATE VALVE	T	ROOM OR ZONE THERMOSTAT
	GLOBE VALVE	T	DUCT THERMOSTAT
	GAS COCK		THERMOMETER
S	SOLENOID VALVE		EXPANSION VALVE
	CONTROL VALVE , 2-WAY	DM	DAMPER MOTOR
PRV	PRESSURE REDUCING VALVE		DAMPER
	CHECK VALVE	M	MOTOR
	CENTRIFUGAL FAN		PLUG VALVE
F	FLOW SWITCH		PRESSURE GAGE
FS	FIRE SAFETY SWITCH	P	PRESSURE SWITCH
H	HUMIDISTAT, ROOM		PUMP
H	HUMIDISTAT, DUCT	R	RELAY
	BALL VALVE		PRESS./TEMP. RELIEF VALVE
	CONTROL VALVE , 3-WAY	SD	SMOKE DETECTOR
F	FLOW SWITCH		CONTROL WIRING
	STEAM TRAP		STATIC PRESSURE CONTROLLER

PIPING SYSTEM SYMBOLS

HWS — HEATING WATER SUPPLY

HWR - - - HEATING WATER RETURN

GENERAL MECHANICAL NOTES:

A. INSTALL EQUIPMENT TO PROVIDE SERVICE CLEARANCE AS RECOMMENDED BY THE MANUFACTURER, AND AS REQUIRED BY CODE AND LOCAL INSPECTOR. PROVIDE CLEAR LABELING OF FILTER PANELS TO VERIFY ADEQUATE ACCESS FOR MAINTENANCE.

B. TEST HVAC CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS TO ENSURE THEY ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF THE TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER PRIOR TO OCCUPANCY.

C. PROVIDE RECORD DRAWINGS OF ACTUAL INSTALLATION WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE TO BUILDING OWNER. PROVIDE OPERATING AND MAINTENANCE MANUAL CONTAINING SUBMITTAL DATA AND OTHER INFORMATION REQUIRED BY SPECIFICATIONS AND ENERGY CODE.

D. COORDINATE FINAL LOCATION OF EQUIPMENT, DUCTS, DIFFUSERS, AND GRILLES WITH STRUCTURE, REFLECTED CEILING PLANS, AND THE LIGHTING LAYOUT PRIOR TO ROUGH-IN.

E. PROVIDE ROOF CURBS FOR EQUIPMENT REQUIRING A ROOF PENETRATION, AND PROVIDE EQUIPMENT SUPPORTS FOR ROOF MOUNTED EQUIPMENT NOT REQUIRING A PENETRATION. COORDINATE ROOF CURBS AND SUPPORTS WITH ROOFING SYSTEM, AND SEISMICALLY ATTACH EQUIPMENT TO CURB AND STRUCTURE.

F. PROVIDE VOLUME DAMPERS IN BRANCH DUCTS TO SUPPLY, EXHAUST, AND RETURN GRILLES, AND LOCATE DAMPERS AS CLOSE TO BRANCH CONNECTION AS POSSIBLE. PROVIDE CONCEALED DAMPER OPERATOR IN LOCATIONS WHERE DAMPER IS INACCESSIBLE.

G. ALL DUCTWORK TO BE MINIMUM 24 GAUGE SHEET METAL WHEN TRAVELLING BETWEEN RATED OCCUPANCY SEPARATIONS, AREA SEPARATIONS, OR OVER RATED EXIT CORRIDORS AND PASSAGEWAYS.

H. MOUNT ALL SENSORS, SWITCHES, AND THERMOSTATS PER ARCHITECTURAL DETAILS.

I. TRANSITION FROM DUCT SIZES SHOWN TO DIFFUSER NECK SIZES SHOWN A MINIMUM OF 2 FEET BEFORE OUTLET, OR INSTALL A DUCT THE SAME SIZE AS THE GRILLE NECK, AT CONTRACTOR'S OPTION.

J. ANCHOR ALL MECHANICAL UNITS IN EXCESS OF 400 LBS. TO STRUCTURE, AND PROVIDE THE DESIGN OF THIS ANCHORAGE AS A DEFERRED SUBMITTAL IN ACCORDANCE WITH THE DIVISION 23 SPECIFICATIONS. PROVIDE A SEISMIC BRACING DESIGN FOR ANY SUSPENDED APPLIANCE OR PIECE OF EQUIPMENT WEIGHING 20 LBS. OR MORE AS WELL. ALL DRAWINGS AND CALCULATIONS SUBMITTED FOR THIS WORK SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OREGON.

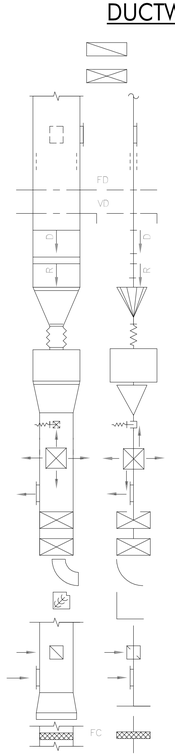
K. CONSTRUCT AND SEAL ALL DUCTWORK PER IMC REQUIREMENTS. ALL DUCTWORK ON THIS PROJECT FALLS UNDER THE LOW PRESSURE CLASSIFICATION.

L. INTEGRATE NEW TERMINAL UNITS INTO EXISTING BUILDING/DISTRICT CONTROLS SYSTEM. PROVIDE NECESSARY NEW CONTROLS DEVICES AS NECESSARY TO INCORPORATE TERMINAL UNITS POINTS SCHEDULED BELOW. SEE SPEC 23 09 23 FOR ADDITIONAL INFORMATION. APPLY EXISTING TERMINAL UNIT SEQUENCE OF OPERATIONS TO ALL NEW TERMINAL UNITS.

M. ALL DEMOLITION, RELOCATION AND INSTALLATION OF CONTROL WIRING AND DEVICES TO BE COMPLETED BY LICENSED CONTROLS CONTRACTOR.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

DUCTWORK SYMBOLS



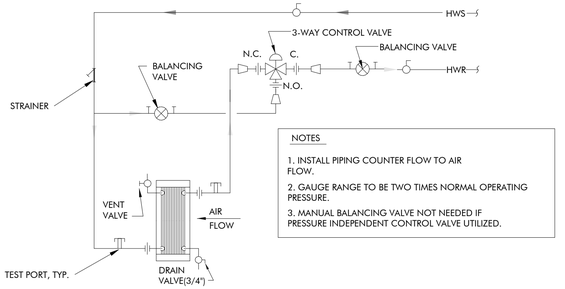
- SECTION THROUGH RETURN OR EXHAUST AIR
- SECTION THROUGH SUPPLY OR OUTSIDE AIR DUCT
- SUPPLY OR OUTSIDE AIR DUCT
- ACCESS DOOR (BOTTOM OR SIDE)
- ACOUSTICALLY LINED DUCT
- DAMPER, FIRE
- DAMPER, MANUAL VOLUME
- INCLINED DROP IN DIRECTION OF ARROW
- INCLINED RISE IN DIRECTION OF ARROW
- TRANSITION, RECTANGULAR TO ROUND
- FLEXIBLE DUCT
- IN-LINE FAN
- TRANSITION, RECTANGULAR
- SPIN-IN COLLAR INTO ADAPTER ON TOP OF DUCT
- CEILING SUPPLY AIR DIFFUSER (CD)
- SIDEWALL SUPPLY GRILLE (SG)
- ELBOW TURNED DOWN
- ELBOW TURNED UP
- ELBOW, RADIUS TYPE
- ELBOW, SQUARE OR RECTANGULAR TYPE WITH AIRFOIL TURNING VANES
- RETURN OR EXHAUST AIR DUCT
- CEILING RETURN AIR GRILLE (CRG)
- SIDEWALL RETURN AIR GRILLE (RG)
- OPEN END DUCT
- FLEXIBLE CONNECTION

TERMINAL UNIT SCHEDULE

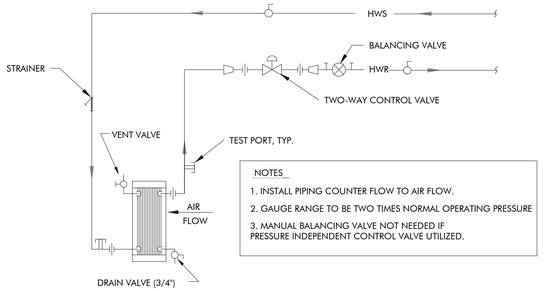
SYMBOL	AREA SERVED	CFM MAX	CFM MIN	MAX. PRESS. DROP	MAX. "NC" AT 2 IN. S.P.	HEATING AIRFLOW (CFM)	INLET SIZE (IN.)	CONTROL VALVE TWO WAY	CONTROL VALVE THREE WAY	HEATING WATER FLOW (GPM)	HEATING WATER EWT (°F)	HEATING WATER CAP. (MBH)	REMARKS
TU-20A	CLASSROOM 134	1,250	625	0.25	35	625	12		X	1.3	180	30.5	1, 2
TU-20B	CLASSROOM 133	1,250	625	0.25	35	625	12		X	1.3	180	30.5	1, 2
TU-20C	CLASSROOM 132	1,250	625	0.25	35	625	12		X	1.3	180	30.5	1, 2
TU-25A	CLASSROOM 111	1,200	600	0.25	35	600	12	X		1.3	180	30.5	1, 2
TU-25B	CLASSROOM 110	1,250	625	0.25	35	625	12	X		1.3	180	30.5	1, 2
TU-25C	CLASSROOM 109	1,250	625	0.25	35	625	12	X		1.3	180	30.5	1, 2
TU-25D	CLASSROOM 108	1,200	600	0.25	35	600	12	X		1.3	180	30.5	1, 2
TU-34A	CLASSROOM 106	1,250	625	0.25	35	625	12		X	1.3	180	30.5	1, 2
TU-34B	CLASSROOM 105	1,250	625	0.25	35	625	12		X	1.3	180	30.5	1, 2
TU-34C	CLASSROOM 104	1,250	625	0.25	35	625	12		X	1.3	180	30.5	1, 2
TU-9A	CLASSROOM 248	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2
TU-9B	CLASSROOM 247	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2
TU-9C	CLASSROOM 246	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2
TU-12A	CLASSROOM 219	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2
TU-12B	CLASSROOM 218	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2
TU-12C	CLASSROOM 217	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2
TU-12D	CLASSROOM 216	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2
TU-31A	CLASSROOM 214	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2
TU-31B	CLASSROOM 213	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2
TU-31C	CLASSROOM 212	1,400	700	0.25	35	700	12	X		1.3	180	30.5	1, 2

REMARKS
1. BASIS OF DESIGN: TITUS DESV, EAT = 55 DEGREES F
2. PROVIDE WITH NEOPRENE ISOLATED HANGERS.

VAV TERMINAL UNIT (ALL TUS SCHEDULED) POINTS LIST					
Airflow	X				
Discharge Air Temp	X				
Zone Setpoint Adjust	X				
Zone Temp	X				
HW Valve		X			
Zone Damper		X			



3 HW COIL 3 WAY CONTROL VALVE PIPING DETAIL
NO SCALE



4 HW COIL 2 WAY CONTROL VALVE PIPING DETAIL
NO SCALE

MECHANICAL SHEET LIST

HBX STUDIO
HBX-STUDIO.COM
833 SE SALMON ST, SUITE 502, PORTLAND, OREGON 97214

ARRIS CONSULTING
2622 SE 25th Ave Ste #A
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Andrew Craig, P.E.
andrew@arris-consulting.com
503-757-2611

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REVISIONS:

CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
16400 SW LOON DR
BEAVERTON OR 97007

PERMIT SET

PROJECT: 21005.04
DATE: 11/10/22

GENERAL NOTES AND ABBREVIATIONS

M001

11/8/2022 1:50:09 PM

SHEET KEYNOTES

1 FOR THIS END CLASSROOM BLOCK, EXISTING TERMINAL UNIT SERVING (3) CLASSROOMS TO BE REPLACED WITH (3) INDIVIDUAL TERMINAL UNITS AS SCHEDULED ON SHEET M001. SEE SHEET M144 FOR TYPICAL EXAMPLE OF WORK.

2 FOR THIS CENTRAL CLASSROOM BLOCK, EXISTING TERMINAL UNIT SERVING (4) CLASSROOMS TO BE REPLACED WITH (4) INDIVIDUAL TERMINAL UNITS AS SCHEDULED ON SHEET M001. SEE SHEET M143 FOR TYPICAL EXAMPLE OF WORK.

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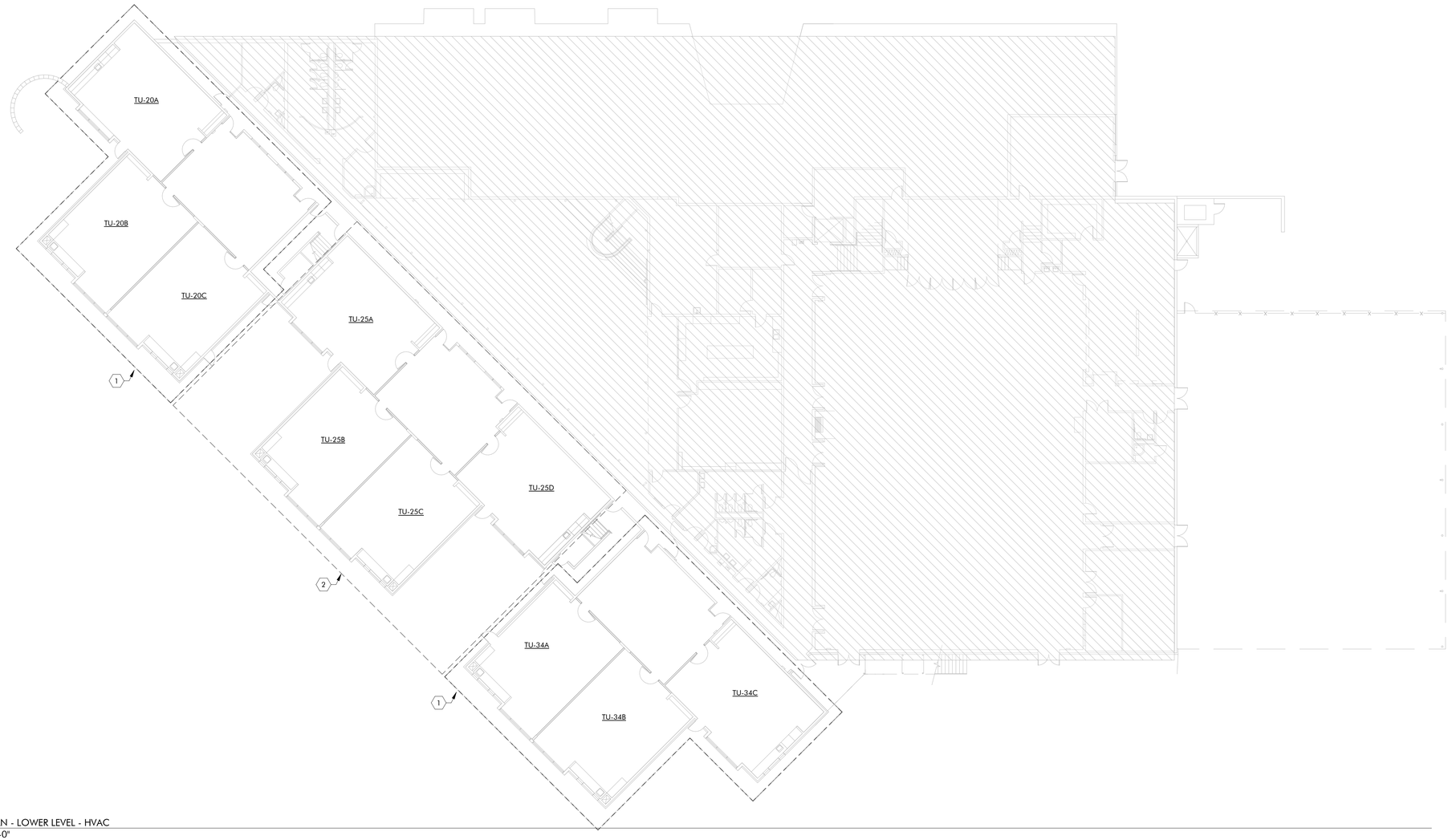

1 FLOOR PLAN - LOWER LEVEL - HVAC
1/16" = 1'-0"

HBX STUDIO
HBX-STUDIO.COM
833 SW SALMON ST, SUITE 502, PORTLAND, OREGON 97204

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CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
16400 SW LOON DR
BEAVERTON OR 97007

PERMIT SET

PROJECT: 21005.04
DATE: 11/10/22

FLOOR PLAN - LOWER LEVEL - HVAC

M141

11/8/2022 1:50:10 PM

SHEET KEYNOTES

1 FOR THIS CLASSROOM BLOCK, EXISTING TERMINAL UNIT SERVING (3) CLASSROOMS TO BE REPLACED WITH (3) INDIVIDUAL TERMINAL UNITS AS SCHEDULED ON SHEET M001. SEE SHEET M123 FOR TYPICAL EXAMPLE OF WORK.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

1 FLOOR PLAN - MAIN LEVEL - HVAC
1/16" = 1'-0"

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REVISIONS:

CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
16400 SW LOON DR
BEAVERTON OR 97007

PERMIT SET

PROJECT: 21005.04
DATE: 11/10/22

FLOOR PLAN - MAIN LEVEL - HVAC

M142

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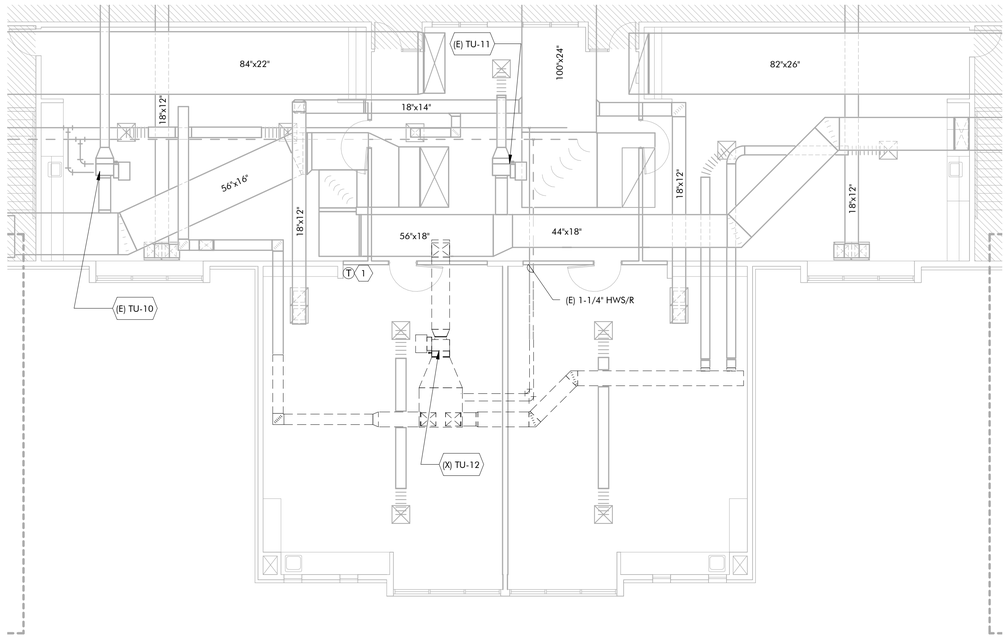
SHEET KEYNOTES

1 TEMPERATURE SENSOR TO BE REPATHED TO NEW TERMINAL UNIT

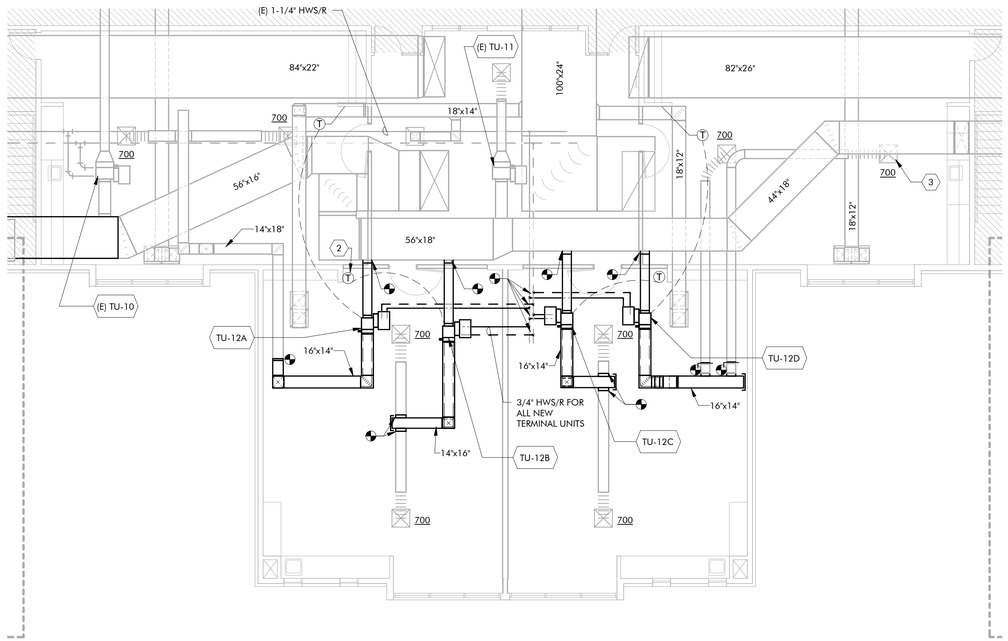
2 REPATH TEMPERATURE SENSOR TO NEW TERMINAL UNIT, TU-8A

3 REBALANCE DIFFUSER TO AIRFLOW SHOWN, TYPICAL ALL SUPPLY DIFFUSERS THAT ARE RECONNECTED TO NEW TERMINAL UNITS

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION



2 FLOOR PLAN - ENLARGED DEMO PLAN - TYPICAL CENTER CLASSROOM BLOCK - HVAC
1/8" = 1'-0"



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REVISIONS:

CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
16400 SW LOON DR
BEAVERTON OR 97007

PERMIT SET

PROJECT: 21005.04
DATE: 11/10/22

ENLARGED PLANS - TYPICAL CENTER CLASSROOM BLOCK - HVAC

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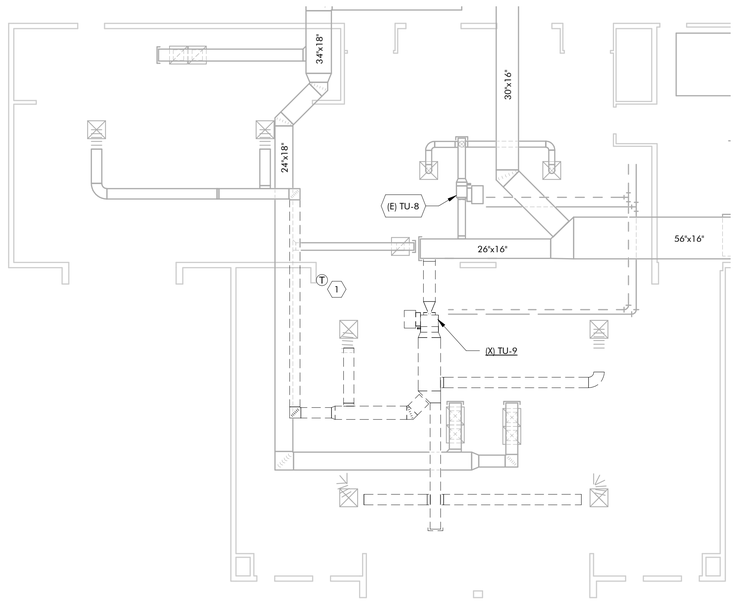

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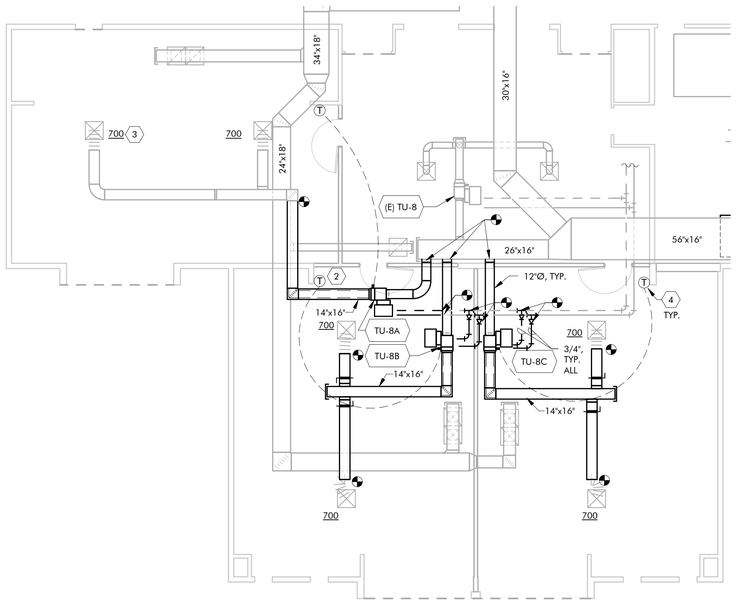

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4 COORDINATE ALL THERMOSTAT LOCATIONS WITH LIGHT SWITCHES, ETC.

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ENLARGED PLANS - TYPICAL END CLASSROOM BLOCK - HVAC

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ABBREVIATIONS

A	AMPERE (AMP)	KVAR	KILOVOLT AMPS REACTIVE
AAF	ABOVE ACCESS FLOOR	KW	KILOWATT
ABF	AIRBLOWN FIBER	KWH	KILOWATT HOUR
AC	ABOVE COUNTER	LEC	LOCAL EXCHANGE CARRIER
AFF	ABOVE FINISHED FLOOR	LED	LIGHT EMITTING DIODE
AHJ	AUTHORITY HAVING JURISDICTION	LV	LOW VOLTAGE
AIC	AMPS INTERRUPTING CURRENT	MATV	MASTER ANTENNA TELEVISION
ALT	ALTERNATE	MCA	MINIMUM CIRCUIT AMPS
AN	ANALOG	MCB	MAIN CIRCUIT BREAKER
ARCH	ARCHITECT / ARCHITECTURAL	MCC	MOTOR CONTROL CENTER
ARM	ARMORED	MDF	MAIN BUILDING DISTRIBUTION FACILITY
ATS	AUTOMATIC TRANSFER SWITCH	MDP	MAIN DISTRIBUTION PANEL
AV	AUDIO VISUAL	MECH	MECHANICAL
AVC	AUDIO VISUAL CONTRACTOR	MH	MAINTENANCE HOLE
BC	BONDING CONDUCTOR	MHz	MEGAHERTZ
BDF	BUILDING DISTRIBUTION FACILITY	MLO	MAIN LUGS ONLY
BMS	BUILDING MANAGEMENT SYSTEM	MTS	MANUAL TRANSFER SWITCH
BOC	BOTTOM OF CONDUIT	N	NORTH
BOCT	BOTTOM OF CABLE TRAY	NAC	NOTIFICATION APPLIANCE CIRCUIT (FA)
C	CONDUIT	NIC	NOT IN CONTRACT
CATV	(CABLE TV) COMMUNITY ACCESS TELEVISION	OFCI	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
CB	CIRCUIT BREAKER	OFE	OWNER FURNISHED EQUIPMENT
CCTV	CLOSED CIRCUIT TELEVISION	OFOI	FURNISHED AND INSTALLED BY OWNER
CF	CELLULAR FLOOR	OSP	OUTSIDE PLANT
CKT	CIRCUIT	PA	PUBLIC ADDRESS
CLG	CEILING	PB	PULL BOX
CO	CENTRAL OFFICE	PE	PHOTOELECTRIC
CPE	CUSTOMER UNIVERSAL ENCLOSURE	PF	POWER FACTOR
CT	CURRENT TRANSFORMER	PMV	PROJECT MANAGER VERIFICATION
CU	COPPER	PNL	PANELBOARD
CUE	CONCRETE UNIVERSAL ENCLOSURE	PON	PASSIVE OPTICAL NETWORK
DAS	DISTRIBUTED ANTENNA SYSTEM	PPL	POLYVINYL CHLORIDE CONDUIT
dB	DECIBEL	PVC	PACIFICORP
DB	DUCT BANK	PWR	POWER
DML	DOUBLE MAIN LUGS	R/W	RIGHT OF WAY
DN	DOWN	RAD	RADIUS
E	EAST	RG	RADIO GRADE
EQ	EQUAL DISTANT	S	SOUTH
EC	ELECTRICAL CONTRACTOR	SAA	SECUIRTY ALARM ANNUNCIATOR
EF	ENTRANCE FACILITY	SACP	SECURITY ACCESS CONTROL PANEL
EM	EMERGENCY	SDP	SUBDISTRIBUTION PANEL
EMC	ELECTROMAGNETIC COMPATIBILITY	SMB	SURFACE MOUNT BOX
EMI	ELECTROMAGNETIC INTERFERER	SPD	SURGE PROTECTION DEVICE
EMT	ELECTRIC METALLIC TUBING	ST	SHUNT TRIP
EPO	EMERGENCY POWER OFF	STS	STATIC TRANSFER SWITCH
EP	ENTRANCE POINT	SW	SWITCH
EP	EXPLOSION PROOF	TBB	TELECOM BONDING BACKBONE
ER	EQUIPMENT ROOM	TBC	TELECOM BONDING CONDUCTOR
FA	FIRE ALARM	TBD	TO BE DETERMINED
FAA	FIRE ALARM ANNUNCIATOR	TE	TELECOM ENCLOSURE
FACP	FIRE ALARM CONTROL PANEL	TGB	TELECOM GROUNDING BUSBAR
FLA	FULL LOAD AMPS	TL	THRU LUGS
FO	FIBER OPTIC	TMGB	TELECOM MAIN GROUNDING BUSBAR
FSD	FIRE SMOKE DAMPER	TO	TELECOM OUTLET
GC	GENERAL CONTRACTOR	TP	TAMPERPROOF
GFI	GROUND FAULT INTERRUPTER	TR	TELECOM ROOM
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	TTB	TELEPHONE TERMINAL BOARD
GHz	GIGAHERTZ	TTC	TELEPHONE TERMINAL CABINET
GND	GROUND	TV	TELEVISION / DIGITAL DISPLAY
GRC	GALVANIZED RIGID CONDUIT	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
GRD	GROUND	TYP	TYPICAL
GRS	GALVANIZED RIGID STEEL CONDUIT	U	USB
HH	HANDHOLE	UC	UNDER COUNTER
HP	HORSEPOWER	UG	UNDERGROUND
HPS	HIGH PRESSURE SODIUM	UON	UNLESS OTHERWISE NOTED
HV	HIGH VOLTAGE	UPS	UNINTERRUPTIBLE POWER SUPPLY
HZ	HERTZ	V	VOLTAGE
IBC	INTERNATIONAL BUILDING CODE	VA	VOLT AMPERES
IDF	INTERMEDIATE BUILDING DISTRIBUTION FACILITY	VP	VAPORPROOF
IG	ISOLATE GROUND	W	WATTS OR WEST
IR	INTERRUPTING RATING	WAO	WORK AREA OUTLET
JB	JUNCTION BOX	WAP	WIRELESS ACCESS POINT
KV	KILOVOLT	WP	WEATHERPROOF
KVA	KILOVOLT AMP	XFMR	TRANSFORMER
		XFSW	TRANSFORMER SWITCH

*REFER TO DISCIPLINE SYMBOL LISTS FOR MORE ABBREVIATIONS

GENERAL SYMBOLS

XXXX (123) EQUIPMENT DESIGNATOR - SEE SCHEDULE.

(E) EXISTING TO REMAIN

(X) EXISTING TO BE REMOVED

(R) EXISTING TO BE RELOCATED

(N) NEW

(#) KEYED NOTE

NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

WORK RESPONSIBILITY

ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN CONDUIT, DEVICES, BOXES, CONDUCTORS, AND TRANSITIONS AROUND OBSTRUCTIONS WHETHER SHOWN ON DRAWINGS OR NOT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

GENERAL NOTES (APPLIES TO ALL DRAWINGS)

A. WHERE EXACT DIMENSIONS ARE NOT CALLED FOR, DO NOT SCALE DRAWINGS TO DETERMINE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLET BOXES, WIRE WAYS, PANELS, ETC. SEE ARCH FOR EXACT DIMENSIONS.

B. CONDUIT RUNS SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS. THE EXACT PATH OF THE CONDUIT IS TO BE DETERMINED BY THE CONTRACTOR. THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100 FEET OF STRAIGHT EMPTY CONDUIT AND A PULL BOX FOR MORE THAN TWO 90 DEGREE BENDS IN A CONDUIT RUN. ALL CONDUIT SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND FURNISHED WITH PULL WIRES.

C. POWER CIRCUITS FOR THE AUDIOVISUAL SYSTEMS MUST BE ON THE SAME TRANSFORMER PHASE, BUT NOT ON THE SAME PHASE AS ANY COMPRESSORS, MOTORS, OR LIGHTING DIMMING SYSTEMS.

D. ALL EQUIPMENT MUST BE COMPLETELY BONDED TO A TRUE EARTH COMMON GROUND OR VERIFY GROUNDING REQUIREMENTS WITH ELECTRICAL EQUIVALENT FOR PROPER OPERATION.

E. FOR TELECOM OUTLETS WITH 1-6 CABLES, PROVIDE 1"C. TO DOUBLE-GANG DEEP BOX WITH SINGLE-GANG MUD RING AND 2, 4 OR 6 PORT FACEPLATE AS REQUIRED.

F. FOR TELECOM OUTLETS WITH 7-12 CABLES, PROVIDE TWO (2) 1"C. TO DOUBLE-GANG DEEP BOX WITH DOUBLE-GANG MUD RING AND TWO (2) 2, 4 OR 6 PORT FACEPLATES AS REQUIRED.

G. FOR ALL DATA OUTLETS AND CAMERAS, PROVIDE CATEGORY 6 CABLE AND JACKS. FOR ALL WIRELESS ACCESS POINTS (WAPs), PROVIDE (2) CATEGORY 6A CABLES AND JACKS.

POWER SYMBOLS

WALL RECEPTACLE: DUPLEX, 4-PLEX

FLOOR RECEPTACLE: DUPLEX, 4-PLEX

CEILING RECEPTACLE: DUPLEX, 4-PLEX

#" WALL RECEPTACLE: MOUNTING HEIGHT

SPECIAL RECEPTACLE: WALL

JUNCTION BOX: WALL, FLOOR, CEILING

SURFACE OUTLET STRIP: DIMENSIONS AS SHOWN

F DISCONNECT SWITCH: FUSED, CIRCUIT BREAKER

MOTOR CONNECTION

A8-1 PANEL & CIRCUIT NUMBER

DENOTES DUPLEX RECEPTACLE ON DROP CORD

PUSHBUTTON: WALL

ADA DOOR ASSIST BUTTON: WALL

WIRE CONCEALED IN FLOOR OR UNDERGROUND

RACEWAY AND CONDUCTORS REMOVED AS PART OF DEMOLITION

CONDUIT ELL: UP, DN

ELECTRICAL DUCT BANK

GROUND ROD, 10' LONG, 5/8" DIAMETER, COPPER. BOND TO LOCAL CIRCUIT GROUND CONDUCTOR

ELECTRICAL DISTRIBUTION CABINET

ELECTRICAL DISTRIBUTION PANEL: SURFACE, RECESSED

T ELECTRICAL TRANSFORMER

ONE-LINE SYMBOLS

CONDUCTORS & CONDUIT

CONDUCTORS & CONDUIT TO BE REMOVED

CIRCUIT BREAKER, MOLDED CASE SWITCH

BUS

ATS

M METER

PANEL

MAIN GROUNDING BAR

CONNECTION TO GROUND

TRANSFORMER

LIGHTING SYMBOLS

PE PHOTOCELL: CEILING, WALL MOUNTED

OS DUAL TECHNOLOGY, OCCUPANCY SENSOR: CEILING MOUNTED, WALL MOUNTED

VS DUAL TECHNOLOGY, VACANCY SENSOR: CEILING MOUNTED, WALL MOUNTED

HA 1. / a — HA = LUMINAIRE TYPE DESIGNATION; 1. = CIRCUIT NUMBER; a = SWITCH DESIGNATION

$X SINGLE GANG, STRAP MOUNTED CONTROL STATION. LIGHT SWITCH: OS = OCCUPANCY SENSOR, K = KEYED, 3 = 3-WAY LOW VOLTAGE DIMMER / PRESET CONTROL: D TIMER SWITCH: T

TELECOMMUNICATIONS SYMBOLS

DATA OUTLET: WALL, CEILING, FLOOR

DATA OUTLET: CABLE/JACK QUANTITY (x2 U.O.N.)

#" DATA OUTLET: MOUNTING HEIGHT

WP DATA OUTLET: WALL PHONE (x1 CABLE/JACK)

ALS ASSISTIVE LEARNING SYSTEM

ANALOG CLOCK: WALL, CEILING

M MASTER CLOCK: CEILING

SP IP COMBINATION IP SPEAKER/IP CLOCK (ANALOG FACE)

DIGITAL CLOCK: WALL, CEILING

(E) (E) WIRELESS ACCESS POINT: WALL, CEILING. E = EXISTING

S ALS ASSISTIVE LEARNING SYSTEM SPEAKER: CEILING

S AN S AN ANALOG SPEAKER: WALL, CEILING

S IP S IP IP SPEAKER: WALL, CEILING

S S SPEAKER-HORN: WALL, CEILING

S AN S AN ANALOG SPEAKER-HORN: WALL, CEILING, WP

2-WAY/ARA COMMUNICATION STATION: WALL
M: MASTER STATION
PS: POWER SUPPLY

A/V A/V AV A/V OUTLET: WALL, FLOOR, CEILING

CONT A/V ASSISTIVE LEARNING SYSTEM: CONTROLLER

IO A/V ASSISTIVE LEARNING SYSTEM: INPUT / OUTPUT

CATV CATV OUTLET: WALL, CEILING

IC INTERCOM STATION: WALL

IV INTERCOM & VIDEO STATION: WALL

IC/M MAN INTERCOM MASTER STATION: WALL
MAN: MASTER ANALOG
MIP: MASTER IP

WIRELESS CLOCK SIGNAL DISTRIBUTION ANTENNA: WALL

ANALOG TELEPHONE OUTLET: WALL

TELECOM PATHWAYS AND ENCLOSURES SYMBOLS

CONDUIT

UNDERGROUND CONDUIT

AERIAL

SPLICE

MH MAINTENANCE HOLE

VAULT (SUBSCRIPT +-)

POLES

RACK (2 POST)

RACK (4 POST)

CABINET: SURFACE, RECESSED

PB PULL BOX

V TELECOM UNDERGROUND VAULT

FSD CABLE PATHWAY FIRESTOPPING DEVICE

CABLE TRAY: CENTER SUPPORT, OUTER SUPPORTS

TELECOM GROUND BUS

T TELEPHONE BACKBOARD.

SECURITY SYMBOLS

CR CARD KEY READER STATION: WALL

S MD MOTION DETECTOR: WALL, CEILING

P DA DOOR ASSIST: WALL
P: PANIC

KP IDS KEYPAD: WALL

ACP DOOR HARDWARE: WALL
ACP: ACCESS CONTROL PANEL
DC: DOOR CONTACT
DO: DOOR OPERATOR
DH: DOOR HOLD OPEN
DRP: DOOR RELEASE PANEL
EC: ELECTRIC CYLINDRICAL LOCK SET
EPT: ELECTRONIC POWER TRANSFER
ES: ELECTRIC STRIKE
IL: INTEGRATED LOCK
LA: LOCAL ALARM
LS: LATCH RETRACTION
REX: REQUEST TO EXIT SENSOR
RX: REQUEST TO EXIT SWITCH

DOME SECURITY CAMERA: WALL, CEILING

SINGLE LENS

SINGLE LENS 180°

SINGLE LENS 360°

SINGLE LENS PTZ

DOUBLE LENS

QUAD LENS

*SEE DOOR HARDWARE SCHEDULE AND ASSOCIATED DETAILS FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

FIRE ALARM SYMBOLS

F MANUAL PULL STATION: WALL

F BELL: WALL

STROBE: WALL, CEILING

SPEAKER-STROBE: WALL, CEILING

S S PHOTOELECTRIC SMOKE DETECTOR: WALL, CEILING
PR: RELAY BASE
PIB: ISOLATION BASE
PT: HEAT DETECTOR

BEAM SMOKE DETECTOR

ADDRESSABLE MODULE: WALL, CEILING
ARM: ADDRESSABLE RELAY MODULE
AIM: ADDRESSABLE INPUT MODULE (SINGLE)
AMM: ADDRESSABLE MINI INPUT MODULE
ADM: ADDRESSABLE DUAL INPUT MODULE
ANM: ADDRESSABLE NOTIFICATION MODULE
AIO 1X1: ADDRESSABLE INPUT/OUTPUT MODULE, 1 INPUT x 1 RELAY
AIO 2X2: ADDRESSABLE INPUT/OUTPUT MODULE, 2 INPUT x 2 RELAY

ARM ARM

WF SWITCH: WALL, CEILING
WF: WET SYSTEM
PA: PREACTION SYSTEM
VS: VALVE SUPERVISORY SWITCH
PIV: POST INDICATOR VALVE
LA: LOW AIR SWITCH
HA: HIGH AIR SWITCH
PR: PUMP RUNNING SIGNAL
PT: PUMP TROUBLE SIGNAL
REV: REVERSAL SIGNAL
LT: LOW AIR TEMP
LW: LOW WATER LEVEL
DH: MAGNETIC DOOR HOLD

FACU FIRE ALARM CONTROL UNIT

NPS NOTIFICATION POWER SUPPLY

FAA REMOTE ANNUNCIATOR

LOC LOCAL OPERATOR CONSOLE

AMP EVAC AMPLIFIER

FATC FIRE ALARM TERMINAL CABINET

ELEV ELEVATOR CONTROL MUDLE

SPRK SPRINKLER CONTROL MODULE

FAC FIRE ALARM CONTROL PANEL

AES WIRELESS MESH RADIO NETWORK

DOC DOCUMENT STORAGE BOX

Sheet List

Sheet Number	Sheet Name
E001	LEGEND AND ABBREVIATIONS - ELECTRICAL
E111	FLOOR PLAN - MAIN LEVEL - ELECTRICAL
E112	FLOOR PLAN - LOWER LEVEL - ELECTRICAL

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80% CD

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LEGEND AND ABBREVIATIONS - ELECTRICAL

E001

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FLOOR PLAN - MAIN LEVEL - ELECTRICAL 1

1/16" = 1'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES

A ALL CIRCUITS ARE TO BE DE-ENERGIZED PRIOR TO COMMENCING WORK.

B CONTRACTOR TO CONFIRM SOURCE PANELS AND LINE TRACE CIRCUITS TO DETERMINE BREAKER SPACE.

C INSPECT PHYSICAL CONDITION OF ALL WIRING INTENDED FOR INTERCEPTION AND EXTENSION.

D PERFORM MEGGER/RESISTANCE TESTING AND NOTIFY ENGINEER OF DEFICIENCIES FOUND.

E REFER TO AS-BUILT DOCUMENTATION FOR EXISTING SINGLE-LINE DIAGRAMS AND DEVICE LAYOUTS, ALTHOUGH THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO COMMENCING WORK AND COMPENSATE OWNER FOR DAMAGES CAUSED BY FAILURE TO LOCATE OR PRESERVE UTILITIES.

F FOR ITEMS TO BE DEMOLISHED, REMOVE WIRING, DEVICES, AND CONDUIT COMPLETE, DO NOT ABANDON IN PLACE UNLESS OTHERWISE NOTED. CONDUIT CAST IN-SLAB IS TO BE CUT-OFF BELOW GRADE AND ABANDONED.

G DE-ENERGIZE, DISCONNECT, AND REMOVE ALL EXISTING ELECTRICAL INFRASTRUCTURE IN AREAS UNAFFECTED BY PROJECT DEMO.

H RETAIN EXISTING ELECTRICAL RACEWAYS IDENTIFIED FOR INTERCEPTION AND EXTENSION IN AREAS UNAFFECTED BY DEMOLITION.

I PERFORM INSTALLATION IN ACCORDANCE WITH THE CODES OF RECORD AND
APPLICABLE DOE ORDERS, NATIONAL ELECTRICAL CODE (NEC), AND THE
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ARRANGEMENT OF WORK AND SYSTEMS. COORDINATE ROUGH-IN REQUIREMENTS
AND INSTALLATION REQUIREMENTS WITH OTHER TRADES.

K PERFORM WORK FOR REMOVAL AND DISPOSAL OF EQUIPMENT AND MATERIALS CONTAINING TOXIC SUBSTANCES REGULATED UNDER THE FEDERAL TOXIC SUBSTANCES CONTROL ACT (TSCA) IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. APPLICABLE EQUIPMENT AND MATERIALS INCLUDE, BUT ARE NOT LIMITED TO:
1. PCB-CONTAINING ELECTRICAL EQUIPMENT, INCLUDING TRANSFORMERS, CAPACITORS, AND SWITCHES.
2. PCB- AND DEHP-CONTAINING LIGHTING BALLASTS.
3. MERCURY-CONTAINING LAMPS AND TUBES, INCLUDING FLUORESCENT LAMPS, HIGH INTENSITY DISCHARGE (HID), ARC LAMPS, ULTRA-VIOLET, HIGH PRESSURE SODIUM, MERCURY VAPOR, IGNITRON TUBES, NEON, AND INCANDESCENT.

L REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

M REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY.

N REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES.

O DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS THAT ARE NOT REMOVED.

P DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.

Q REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.

R MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS THAT REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.

S REMOVE AND RESTORE WIRING WHICH SERVES USABLE OUTLETS CLEAR OF CONSTRUCTION OR DEMOLITION.

(#) KEYED NOTES

1 RELOCATE EXISTING LIGHTING CONTROL SWITCH TO LOCATION INDICATED. WIRE AND CONNECT FOR A FULLY FUNCTIONING LIGHTING CONTROL SYSTEM FOR THE SPACE.

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E111

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1. PCB-CONTAINING ELECTRICAL EQUIPMENT, INCLUDING TRANSFORMERS, CAPACITORS, AND SWITCHES.
2. PCB- AND DEHP-CONTAINING LIGHTING BALLASTS.
3. MERCURY-CONTAINING LAMPS AND TUBES, INCLUDING FLUORESCENT LAMPS, HIGH INTENSITY DISCHARGE (HID), ARC LAMPS, ULTRA-VIOLET, HIGH PRESSURE SODIUM, MERCURY VAPOR, IGNITRON TUBES, NEON, AND INCANDESCENT.

L REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.

M REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY.

N REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES.

O DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS THAT ARE NOT REMOVED.

P DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.

Q REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.

R MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS THAT REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.

S REMOVE AND RESTORE WIRING WHICH SERVES USABLE OUTLETS CLEAR OF CONSTRUCTION OR DEMOLITION.

KEYED NOTES

1 RELOCATE EXISTING LIGHTING CONTROL SWITCH TO LOCATION INDICATED. WIRE AND CONNECT FOR A FULLY FUNCTIONING LIGHTING CONTROL SYSTEM FOR THE SPACE.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

HBx STUDIO
WWW.HBX-STUDIO.COM

FOR INTERIOR DESIGN INTENT ONLY, NOT FOR CONSTRUCTION

REVISIONS:

REYES ENGINEERING
321 NE Couch St, Suite 403
Portland, Or 97232
503-771-1986

CLASSROOM WALLS PHASE 3 - SCHOLLS HEIGHTS ELEMENTARY SCHOOL
16400 SW LOON DR
BEAVERTON OR 97007

80% CD

PROJECT: 21005.04
DATE: 10/21/2022

FLOOR PLAN - LOWER LEVEL - ELECTRICAL

E112

10/19/2022 10:42:56 PM

TYPICAL ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS SHOWN MAY BE USED OR LISTED

A/C	AIR CONDITIONING
ACT	ACOUSTICAL CEILING TILE
ADA	AMERICAN W/DISABILITIES ACT
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
ALT	ALTERNATE, ALTERNITIVE
AOW	AREA OF WORK
BATT	BATT INSULATION
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BO	BOTTOM OF
BOC	BACK OF CURB
BOD	BASIS OF DESIGN
BOT	BOTTOM
BS	BOTH SIDES
CB	CATCH BASIN
CBA	CEMENT BACKER BOARD
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED
CG	CORNER GUARD
CJ	CONTROL JOINT
CL	CENTER LINE
CLG	CEILING
CLO	CLOSET
CLR	CLEAR(ANCE)
CMU	CONCRETE MASONRY UNIT
CP	CEMENT PLASTER
CSMT	CASEMENT
CSWK	CASEWORK
CT	CERAMIC TILE
CTR	CENTER
CTSK	COUNTERSINK
DEMO	DEMOLITION
DIA	DIAMETER
DIM	DIMENSION
DIM PT	DIMENSION POINT
DN	DOWN
DP	DAMPPROOFING
DW	DISHWASHER
(E)	EXISTING
EA	EACH
EB	EXPANSION BOLT
EJ	EXPANSION JOINT
ELEV	ELEVATION
ENM	ENAMEL
EO	ELECTRIC OUTLET
ETR	EXISTING TO REMAIN
EXT	EXTERIOR
F&I	FURNISH AND INSTALL
FA	FIRE ALARM
FABX	FIRE ALARM BOX
FD	FLOOR DRAIN
FEC	FIRE EXTINGUISHER CABINET
FF	FINISHED FLOOR
FFE	FURNITURE, FIXTURE & EQUIPMENT
FO	FACE OF or FINISHED OPENING
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
GMU	GLASS MASONRY UNIT
GYP	GYPSUM
GWB	GYPSUM WALL BOARD
HDRL	HANDRAIL
HDW	HARDWARE
HT	HEIGHT
HVAC	HEATING, VENTILATION & AIR CONDITIONING
JAN	JANITOR
JC	JANITOR'S CLOSET
LAV	LAVATORY
LVT	LUXURY VINYL TILE
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MI	MIRROR
MIN	MINIMUM
MO	MASONRY OPENING
MTL	METAL
(N)	NEW
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER or OVERFLOW DRAIN
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
OH	OVERHEAD
OTS	OPEN TO STRUCTURE
PL	PLATE or PLASTIC LAMINATE or PROPERTY LINE
PT	PRESSURE TREATED
PWD	PLYWOOD
QT	QUARRY TILE
QTY	QUANTITY
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RELOC	RELOCATED(D)
REPL	REPLACE
REQ	REQUIRED
RET	RETURN or RETENTION
RF	RESILIENT FLOORING
RM	ROOM
RO	ROUGH OPENING
RT	RESILIENT TILE
SAM	SELF ADHERED FLEXIBLE FLASHING
SIM	SIMILAR
STN	STONE SLAB/VENEER
SV	SHEET VINYL
SYM	SYMBOL or SYMMETRICAL
T	TEMPERED or TILE
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
TD	TRECH DRAIN or TOWN DOWN!
THK	THICK(NESS)
T/M	TO MATCH
TO	TOP OF
TOD	TOP OF DECK
TOP	TOP OF PARAPET or TOP OF PAVEMENT
TOR	TOP OF ROOF
TOS	TOP OF SLAB or TOP OF STEEL
TWO	TOP OF WALL
T-STAT	TERMOSTAT
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
UOS	UNDERSIDE OF STRUCTURE
VCT	VINYL COMPOSITE TILE
VEN	VENEER
VERT	VERTICAL
VIF	VERIFY IN FIELD
W	WEST or WIDTH
W/	WITH
WD	WOOD
WF	WIDE FLANGE
WH	WATER HEATER
W/O	WITHOUT
W PANEL	WOOD PANELING
WRB	WEATHER RESISTANT BARRIER
WWF	WELDED WIRE FABRIC

FIRE PROTECTION, ALARM AND EXTINGUISHERS

SPECIALTIES - FIRE EXTINGUISHERS

A. SURVEY EXISTING CONDITIONS OF ENTIRE FLOOR THAT PROJECT OCCURS AND PROVIDE NOT LESS THAN ONE APPROVED FIRE EXTINGUISHER WITH RATING NOT LESS THAN 20A 10B/C FOR EACH 1,500SF OF FLOOR AREA OR FRACTION THEREOF. TRAVEL DISTANCES TO AN EXTINGUISHER FROM ANY PORTION OF THE BUILDING SHALL NOT EXCEED 75 FEET. PROVIDE FIRE EXTINGUISHER(S) IN ACCORDANCE WITH CURRENT CODES.

B. PROVIDE NEW FIRE EXTINGUISHER(S) AT ALL EXISTING CABINETS WHERE MISSING. ALL REUSED EXISTING FIRE EXTINGUISHERS ARE TO BE INSPECTED AND/OR RECHARGED, AS NECESSARY, PRIOR TO SUBSTANTIAL COMPLETION.

FIRE PROTECTION & ALARM SYSTEMS

A. CONTACT BUILDING MANAGER FOR INSTRUCTIONS WHEN SCHEDULING WORK ON FIRE SPRINKLER AND ALARM SYSTEMS.

B. AUTOMATIC SPRINKLER SYSTEM SUPERVISION: ALL VALVES, INCLUDING THOSE IN PITS, SHALL BE MONITORED BY UL LISTED FIRE MARSHAL - APPROVED CENTRAL STATION. WATER FLOW AND HIGH/LOW PRESSURE FOR DRY PIPE SYSTEMS (IF USED) SHALL BE SUPERVISED AS WELL AS OTHER FEATURES DEEMED NECESSARY BY CURRENT NATIONAL FIRE PROTECTION ASSOCIATION STANDARDS.

C. PREPARE SPRINKLER SYSTEM SHOP DRAWINGS FOR COORDINATION WITH ARCHITECTS' DRAWINGS.

D. PROVIDE FULLY CONCEALED SPRINLKER HEADS IN HARDLID CEILINGS, UNLESS NOTED OTHERWISE.

E. PAY ALL FEES AND OBTAIN ALL PERMITS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION NECESSARY TO COMPLETE THE WORK.

BUILDING ALARM SYSTEM/SMOKE DETECTORS

A. PROVIDE VISUAL AND AUDIBLE ALARM SIGNAL APPLIANCES INTEGRATED INTO THE BUILDING ALARM SYSTEM AS REQUIRED BY ADA AND CURRENT OSSC STANDARDS. PROVIDE ADDITIONAL ELECTRICAL SERVICE AS REQUIRED. COORDINATE REQUIREMENTS WITH BUILDING OWNER. ALARM LOCATIONS INDICATED ON PLANS ARE FOR REFERENCE ONLY.

B. PROVIDE SHOP DRAWINGS FOR ALARM SYSTEM LAYOUT AS REQUIRED BY CODE.

C. SMOKE DETECTION DEVICES INDICATED ON THE DRAWINGS ARE FOR REFERENCE ONLY. CONFIRM SPACING OF DETECTORS WITH DEVICE LISTING.

D. CLEAN AND REPAIR EXISTING SMOKE DETECTORS TO BE REUSED TO GOOD WORKING CONDITION.

HARDWARE, SPECIALITIES & FINISHES

DOOR HARDWARE

A. DOORS SHALL OPEN FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT.

B. NEW EXTERIOR DOOR HARDWARE SHALL MATCH EXISTING BUILDING STANDARDS AND BE ADA COMPLIANT. LEVELER HANDLE, HINGES AND CLOSESERS TO ALL MATCH SAME FINISH AND BUILDING STANDARD AND EACH OTHER.

C. CONTRACTOR SHALL VERIFY COMPATABILITY OF HARDWARE SPECIFIED WITH BUILDING KEYING SYSTEM.

D. PROVIDE NEW DOORS WITH FINISH SPECIFIED PER SCHEDULE. PROVIDE DIAGRAM OF WOOD GRAIN DETAIL, MATCHING AND FINISH.

E. PROVIDE DOOR CLOSERS PER SCHEDULE. SUBMIT CUT SHEET FOR ARCHITECT REVIEW AND APPROVAL.

G. PROVIDE DOOR OPENINGS IN RATED WALLS COMPLYING WITH REQUIRED SMOKE CONTROL ASSEMBLY AND INDICATED FIRE PROTECTION RATING. WHERE EXISTING DOOR OPENINGS DO NOT COMPLY WITH PRESENT BUILDING CODE REQUIREMENTS, PROVIDE NEW DOORS, FRAMES AND HARDWARE THAT COMPLY.

H. ADJUST THE RESISTIVE FORCE OF ALL NEW AND EXISTING INTERIOR DOOR CLOSERS IN THE PROJECT AREA TO A MAXIMUM PRESSURE OF 5 LBS TO COMPLY WITH ADA REQUIREMENTS.

FINISHES - PATCH & REPAIR

I. REPAIR/REFINISH ANY DAMAGE TO EXISTING FINISH SURFACES IN IMPROVEMENT AREA CAUSED BY CONSTRUCTION OPERATIONS.

J. PAINT EXISTING WALLS WITH (2) COATS OF EGGSHELL FINISH PAINT UNLESS NOTED OTHERWISE. SUBMIT COLOR DRAW-DOWNS TO ARCHITECT FOR APPROVAL PRIOR TO APPLICATION.

K. WHERE ALL NEW PARTITIONS ABUT, JOIN OR CONNECT TO EXISTING SURFACES, WALLS OR NEW CONSTRUCTION, ALIGN THE FINISH SURFACE.

L. ALL NEW WALLS AND PARTITIONS SHALL HAVE TAPED JOINTS (3) COATS SANDED AND PRIMED TO MEET PAINT READY REQUIREMENTS.

M. EXISTING WALLS AND SURFACES SHALL BE STRIPPED, RESURFACED AND PATCHED AS REQUIRED.

N. PROVIDE A FULL GALLON OF EACH WALL COLOR WITH LABELS IN TENANT SUITE. LABEL ALL LEFT OVER PAINT AND DELIVER TO OWNER WHERE DIRECTED.

O. TAPE AND SAND EXPOSED GYPSUM BOARD FOR A FLAT, SMOOTH SURFACE FINISH TO MATCH EXISTING ADJACENT SURFACES IN BUILDING UNLESS NOTED OTHERWISE.

P. PROVIDE FINISH MATERIALS MATCHING ESTABLISHED BUILDING STANDARD QUALITY, UNLESS NOTED OTHERWISE. PROVIDE COLORS APPROVED BY OWNER AND ARCHITECT.

Q. CONTRACTOR TO FILL AND PATCH EXISTING CONCRETE SLABS AND SHALL PROVIDE SMOOTH UNIFORM SURFACE PRIOR TO NEW FLOOR COVERINGS TO BE INSTALLED.

GENERAL NOTES - PROJECT

A. REVIEW ALL CONSTRUCTION DOCUMENTS AND SPECIFICATIONS AND COMPARE THEM TO FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. IMMEDIATELY REPORT ANY CONFLICTS, DISCREPANCIES, OR OMISSIONS TO THE ARCHITECT PRIOR TO SUBMITTING FOR BID.

B. ALL WORK SHALL BE DONE IN CONFORMANCE WITH THE LATEST EDITION OF APPLICABLE BUILDING CODES, PROGRAM GUIDES OR OTHER REQUIREMENTS OF THE LOCAL JURISDICTION.

C. ALL WORK, BOTH NEW AND IN PLACE, IS TO MEET THE BUILDING FIRE-LIFE SAFETY SUMMARY IN THE AREA OF REMODEL WORK PRIOR TO FINAL INSPECTION.

D. PROVIDE ALL WORK REQUIRED FOR A COMPLETE INSTALLATION WHETHER OR NOT SHOWN OR DESCRIBED.

E. COORDINATE THE MOVEMENT OF PERSONNEL AND MATERIALS WITHIN THE BUILDING AND SIMILAR AREAS WITH THE OWNER'S REPRESENTATIVE. SCHEDULE ACTIVITIES SO THEY ARE NOT DISRUPTIVE TO OCCUPANTS OF THE BUILDING . MAINTAIN EXITING, FIRE PROTECTION AND LIFE SAFETY PER THE FIRE MARSHALL'S OFFICE. COORDINATE DISRUPTIVE WORK FOR AFTER BUSINESS HOURS.

F. CONTRACTOR SHALL NOT SCALE THE DRAWINGS OR DETAILS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS AND CONDITIONS AT THE JOBSITE. WHERE WRITTEN DIMENSIONS ARE NOT INDICATED OR CANNOT BE DISCERNED FROM THE CONSTRUCTION DOCUMENTS, CONTACT THE ARCHITECT FOR CLARIFICATION.

G. NOTIFY THE ARCHITECT IN WRITING IF THERE ARE ANY CORRECTIONS OR CHANGES REQUIRED TO THE CONSTRUCTION DOCUMENTS BY THE AUTHORITY HAVING JURISDICTION. CORRECTION LIST OR COMMENTS MUST BE DELIVERED TO THE DESIGN AGENCY VIA EMAIL AND INCORPORATED BY THE CONTRACTOR INTO THE PERMIT SET.

H. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF ALL TRADES, INCLUDING ARCHITECTURAL, STRUCTURAL, MECHANICAL, PLUMBING AND ELECTRICAL REQUIREMENTS.

I. IT IS THE GENERAL CONTRACTORS RESPONSIBILITY TO FOLLOW AND COORDINATE ALL ITEMS PER THE MANUFACTURE'S PRINTED INSTRUCTIONS, SPECIFICATIONS AND INSTALLATION DETAILS. THE INSTALLATION OF ALL BUILDING PRODUCTS (INTERIOR AND EXTERIOR), FIXTURES, EQUIPMENT, ETC. SHALL FOLLOW MANUFACTURER INSTALLATION REQUIREMENTS.

CONSTRUCTION PHASE

J. THE ARCHITECT SHALL NOT HAVE CONTROL OVER NOR IS RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES IN THE EXECUTION OF THE WORK. SAFETY PRECAUTIONS OR PROGRAMS CONNECTION WITH THE PROJECT ARE THE SOLE RESPONSIBILITY OF THE GENERAL CONTRACTOR.

MATERIAL SPECIFICATIONS

K. SPECIFIC ITEMS DESCRIBED, LISTED OR DRAWN WITHIN THE CONSTRUCTION SET ARE CONSIDERED THE BASIS OF DESIGN FOR THE PROJECT. IF A SUBSTITUTION IS PROPOSED, THE GENERAL CONTRACTOR IS TO CERTIFY THAT THE PRODUCT IS OF EQUAL OR GREATER PERFORMANCE OR REQUEST REVIEW BY THE DESIGN AGENCY IN WRITING.

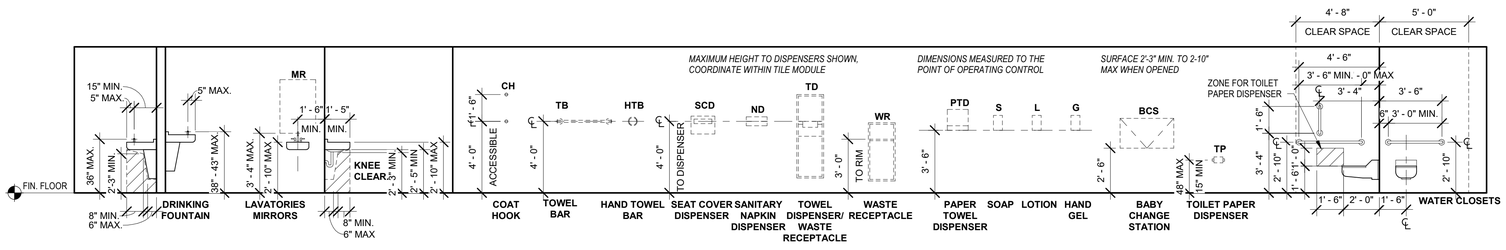
L. THE GENERAL CONTRACTOR SHOULD CONFIRM APPLICABILITY OF ALL SPECIFIED PRODUCTS WITH THE MANUFACTURER FOR SPECIFIC USE AS SHOWN PRIOR TO PURCHASING AND INSTALLATION.

SUBMITTAL PROCEDURES

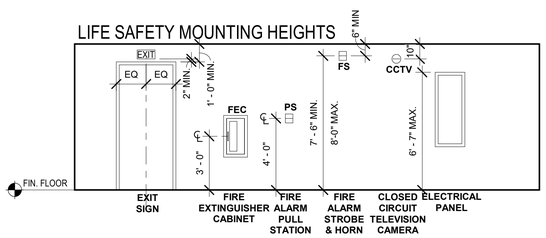
M. THE GENERAL CONTRACTOR SHALL PROVIDE THE ARCHITECT AND BUILDING OWNER PRODUCT DATA, CUTSHEETS AND SHOP DRAWINGS OF INSTALLED PRODCUTS OR DESIGN-BUILD ITEMS IN DIGITAL .PDF FORMAT FOR REVIEW FOLLOWING THE CONTRACTOR'S REVIEW FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. ARCHITECT WILL THEN REVIEW EACH SUBMITTED FOR GENRAL COMFORMAMANCE.

N. PROVIDE A MINIMUM (2) PHYSICAL PRODUCT SAMPLES FOR EACH FINISH, INCLUDING PAINT DRAWDOWNS, SPECIFIED WITHIN THESE DRAWINGS.

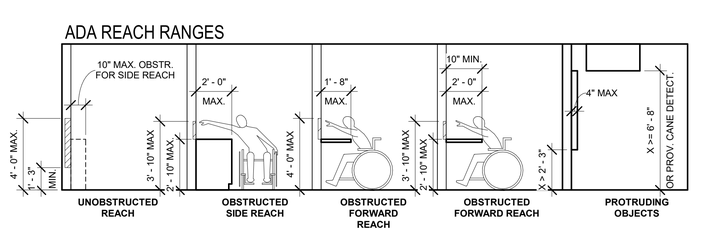
RESTROOMS CLEARANCES AND MOUNTING HEIGHTS



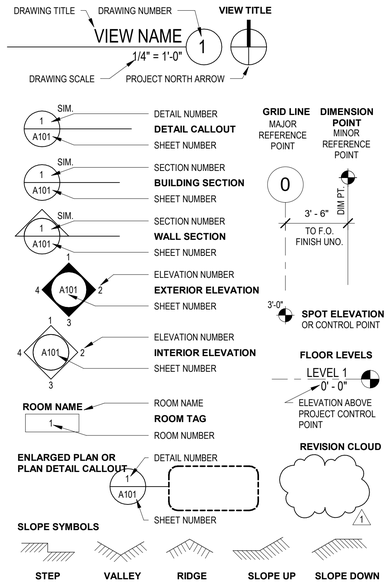
LIFE SAFETY MOUNTING HEIGHTS



ADA REACH RANGES



GENERAL SYMBOLS



PROJECT SUMMARY

PROJECT NAME:	CLASSROOM WALLS PHASE 3 KINNAMAN ELEMENTARY SCHOOL
PROJECT ADDRESS:	4205 SW 193RD AVE ALOHA, OR 97078
JURISDICTION:	WASHINGTON COUNTY
CONSTRUCITON TYPE:	V-B (SPRINKLERED)
BUILDING HEIGHT:	2 STORY
BUILDING OCCUPANCY:	EDUCATIONAL, ASSEMBLY (NON-SEPRATED)

PROJECT SCOPE

INTERIOR ALTERATION TO PROVIDE SECURITY IMPROVEMENTS TO EXISTING CLASSROOM AND EDUCATION COMMONS AREA. SCOPE INCLUDES BUILDING NEW PARTITIONS AT EXISTING OPENINGS WITH NEW CLASSROOM ENTRY DOORS. EXISTING OCCUPANCY, OCCUPANTS AND EGRESS PATTERNS ARE UNCHANGED.

ADDITIONAL SCOPE ADDRESSES 25% FOR ADA UPGRADES.

PROJECT TEAM

OWNER: **BEAVERTON SCHOOL DISCTRICT**
1260 NW WATERHOUSE AVE.
BEAVERTON, OR 97006

ATTN: JASON MOURRAY
JASON_MOURRAY@BEAVERTON.K12.OR.US

ARCHITECT: **HBX STUDIO ARCHITECTURE, INC.**
831 SE SALMON ST SUITE 140
PORTLAND, OR 97214
WWW.HBX-STUDIO.COM

ATTN: MICHAEL BARRETT, AIA
MICHAEL@HBX-STUDIO.COM

CONTRACTOR: **TBD**

LIST OF DRAWINGS

SHEET	DRAWING NAME	CURRENT REVISION
G051	COVER PAGE	
G151	SITE PLAN & ACCESSIBLE PARKING	
G152	FIRE, LIFE & SAFETY PLAN	
A051	OVERALL FLOOR PLAN	
A151	ENLARGED FLOOR PLAN - BUILDING 1	
A162	ENLARGED PLANS - READING ROOM	
A300	EXTERIOR ELEVATIONS & DETAILS	
A800	TYPICAL PARTITION DETAILS	
A801	TYPICAL PARTITION DETAILS	
A900	DOORS, FRAMES, HARDWARE SCHEDULE & TYPICAL OPENING DETAILS	
M001	GENERAL NOTES AND ABBREVIATIONS	
M151	ENLARGED FLOORPLAN - NEW CLASSROOMS - HVAC	
E001	LEGEND AND ABBREVIATIONS - ELECTRICAL	
E152	ENLARGED FLOOR PLAN - BUILDING 1 - LIGHTING	
E301	ENLARGED PLANS - READING ROOM - ELECTRICAL	

DEFERRED SUBMITTALS - DESIGN/BUILD

ALL DEFERRED SUBMITTALS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL WITH A NOTATION INDICATING THAT THE DOCUMENTS HAVE BEEN REVIEWED AND FOUND TO BE IN CONFORMANCE WITH THE DESIGN DIRECTION WITHIN THESE DOCUMENTS.

ALL WORK IS SUBJECT TO FIELD INSPECTION, DO NOT COVER WORK PRIOR TO CITY INSPECTION.

LOW VOLTAGE SYSTEMS

SEPARATE PERMIT(S)

SEPARATE PERMITS ARE REQUIRED FOR THE BELOW ITEMS. THE GENERAL CONTRACOTR SUBMIT PLANS FOR REVIEW AND APPROVAL TO THE LOCAL AUTHORITY HAVING JURISDICIATION.

FIRE PROTECTION SYSTEMS **FIRE ALARM SYSTEMS**

HBX STUDIO
HBX-STUDIO.COM
831 SE SALMON ST, SUITE 140, PORTLAND, OREGON 97214

REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - KINNAMAN ELEMENTARY SCHOOL
4205 SW 193RD AVE
ALOHA, OR 97078
PERMIT DOCUMENTATION

PROJECT: 21005.05
DATE: 11/10/22

COVER PAGE

G051

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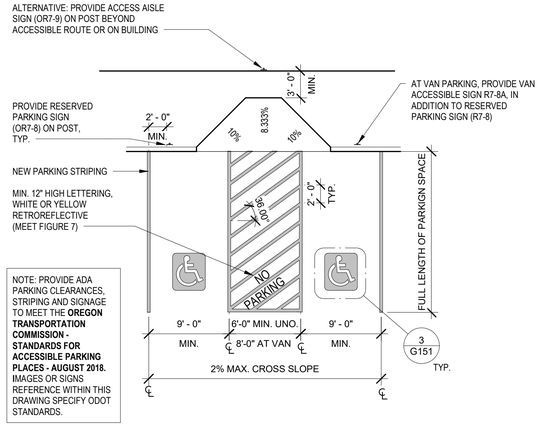


ACCESSIBLE PARKING PLAN 2

1/8" = 1'-0"

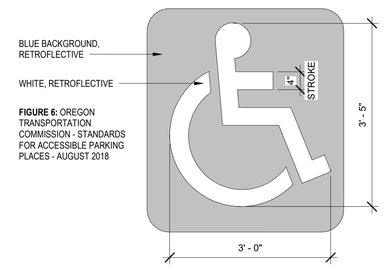
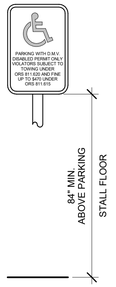


FIGURE 6: OREGON TRANSPORTATION COMMISSION - STANDARDS FOR ACCESSIBLE PARKING PLACES - AUGUST 2018

ACCESSIBLE SIGNAGE STENCILING 3

3/4" = 1'-0"



ACCESSIBLE SIGNAGE 4

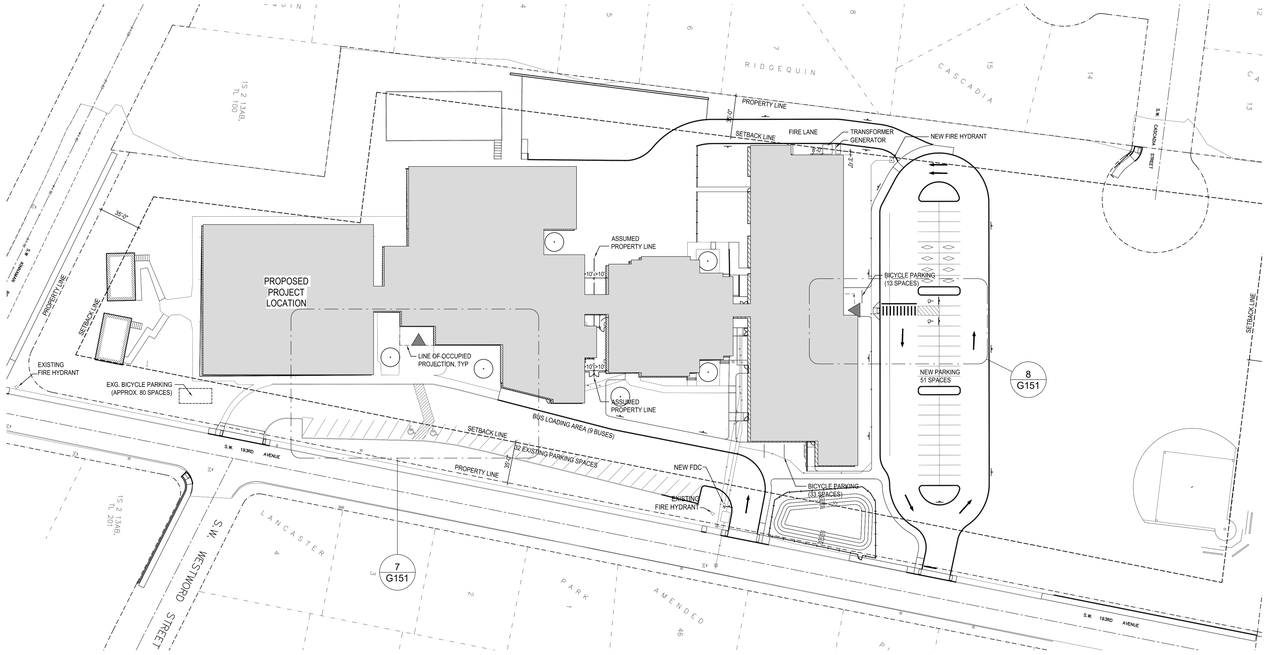
3/4" = 1'-0"

ACCESSIBLE PARKING SCOPE

- REPLACE EXISTING PARKING SIGNS WITH CURRENT ODOT STANDARD (R7-8 & 7-8A) AS SHOWN ON PLAN AND PHOTOGRAPH.

- VERIFY EXISTING POLE HEIGHT MEETS REQUIREMENTS OF DETAIL 4 ON THIS PAGE. IF NON-COMPLIANT, REPLACE EXISTING POLE TO MEET CURRENT REQUIREMENTS.

- PROVIDE SUPPLEMENTAL "NO PARKING" PAVEMENT MARKING WITHIN EXISTING STRIPING AISLES. COORDINATE TIMING AND BUNDLING WITH DISTRICT IF WORK IS PERFORMED PRIOR TO THE SCOPE CONTAINED WITHIN THIS DOCUMENT SET.



SITE PLAN 1

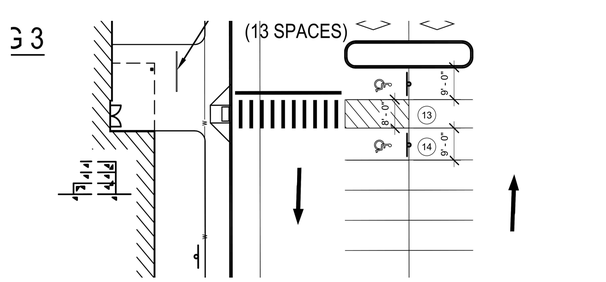
1" = 60'-0"

EXISTING PARKING CONDITION - SOUTHERN AREA 6

1/8" = 1'-0"

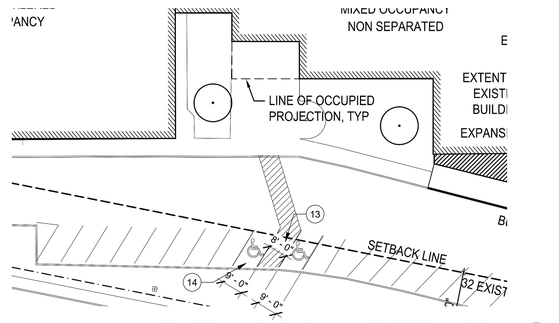
EXISTING PARKING CONDITION - WESTERN AREA 5

1/8" = 1'-0"



EXISTING PARKING - SOUTHERN AREA 8

1" = 20'-0"



EXISTING PARKING - WESTERN AREA 7

1" = 30'-0"

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

ORS 447.241 (25% ADA RULE) COMPLIANCE

EVERY PROJECT FOR RENOVATION, ALTERATION OR MODIFICATION TO AFFECTED BUILDINGS AND RELATED FACILITIES THAT AFFECTS OR COULD AFFECT THE USABILITY OF OR ACCESS TO AN AREA CONTAINING A PRIMARY FUNCTION SHALL BE MADE TO INSURE THAT, TO THE MAXIMUM EXTENT FEASIBLE, THE PATHS OF TRAVEL TO THE ALTERED AREA AND THE RESTROOMS, TELEPHONES AND DRINKING FOUNTAINS SERVING THE ALTERED AREA ARE READILY ACCESSIBLE TO AND USEABLE BY INDIVIDUALS WITH DISABILITIES, UNLESS SUCH ALTERATIONS ARE DISPROPORTIONATE TO THE OVERALL ALTERATIONS IN TERMS OF COST AND SCOPE.

EXISTING NON-COMPLIANT ITEMS WITHIN THE PATH OF TRAVEL TO THE AFFECTED AREA(S) OR ELEMENTS SERVING THE ALTERED AREA PROPOSED TO BE REMEDIATED WITHIN THIS PROJECT SCOPE INCLUDE:

- NEW ACCESSIBLE PARKING SIGNAGE & PAVING MARKINGS TO MEET CURRENT REQUIREMENTS AT EXISTING ADA PARKING ACCESS AISLE (ODOT - STANDARDS FOR ACCESSIBLE PARKING - 2018)

FOLLOWING COMPLETION OF THIS PROJECT, NO ADDITIONAL BARRIERS ARE KNOWN WITHIN THE PROJECT AREA SUBJECT TO ORS 447.241.

NOTE THAT THE EXISTING STAFF RESTROOMS ON THE GROUND FLOOR ARE CONSIDERED COMPLIANT WITH THE AMERICAN WITH DISABILITIES ACT TITLE III -SAFE HARBOR EXCEPTION FOR MEETING THE REQUIREMENTS OF ANSI A117.1-1991 AS MODIFIED AND CODIFIED BY CHAPTER 11 OF THE 1990 OSSC. THESE RESTROOMS ARE CONNECTED BY A COMPLIANT ACCESSIBLE ROUTE FROM ALL ALTERED AREAS WITHIN THIS PROJECT.

KEYED NOTES - FLOOR PLANS

1	ALIGN FACE OF ADJACENT FINISHES, TYPICAL.
2	PROVIDE NEW WALL TO INFILL EXISTING OPENING. ALIGN F.O. FINISHES WITH ADJACENT WALL AND TERMINATE AT UNDERSIDE OF (E) CEILING ABOVE. PROVIDE NEW PAINT AND WALLBASE, TYPICAL. GC TO ENSURE ABATEMENT OF HAZARDOUS MATERIAL MEETS DISCTIRCT'S STANDARD .
3	REMOVE (E) RELITE WINDOW AND INFILL WITH NEW GWB WALL, SEE TYPICAL ELEVATION FOR SCOPE AND DETAIL CALL OUTS. GC TO ENSURE ABATEMENT OF HAZARDOUS MATERIAL MEETS DISCTIRCT'S STANDARD .
4	REMOVE AND BLANK OFF (E) EXIT SIGN AT THIS DOOR, SEE ELECTRICAL.
5	REMOVE (E) PANIC HARDWARE AT THIS DOOR. INSTALL NEW LEVER SET WITH "CLASSROOM" FUNCTION AND COORDIANTE NEW KEYING WITH DISTRICT TO MATCH EXISTING BUILDING STANDARDS. PATCH, PUDDY, AND PAINT ANY EXPOSED ATTACHMENT POINTS FROM PREVIOUS EGRESS HARDWARE.
6	INSTALL NEW HOLLOW METAL RELITE AT THIS LOCATION, SET B.O. FRAME AT 3'-2" AFF.
7	3" X 48" STAINLESS STEEL CORNER GUARD, MECHANICALLY FASTENED. TYPICAL OF ALL FRAMED OPENING CORNERS.
8	SEE ELECTRICAL FOR WALL MOUNTED EMERGENCY LIGHTING
9	NEW EXIT SIGN, COORDINATE FINAL LOCATION WITH FIRE MARSHAL.
10	INSTALL NEW 1.5KW ELECTRIC WALL HEATER WITHIN THIS AREA
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
15	PROVIDE WOOD BLOCKING AT LIBRARY SIDE AT 36" AND 72" AFF FOR FUTURE WHITEBOARD. SEE TYPICAL DETAIL ON A800.
16	INSTALL OWNER FURNISHED SIGNAGE AT THIS LOCATION. SEE NOTE ON A900 FOR PROJECT SIGNAGE.
17	INSTALL SALAVAGE CARPET FROM WALK OFF MAT AREA AT THIS LOCATION TO PATCH VOID FOLLOWING DEMOLITION.
18	FIELD LOCATE WALL TO BE ADJACENT TO REMOVED CASEWORK. CONFIRM CEILING CONDITION AVOIDS EXISTING LIGHTING OR OTHER (E) CEILING MOUNTED ITEMS. CONFIRM FINAL LOCATION WITH ARCHITECT THOUGH AN RFI.
19	PROVIDE SOLID WOOD BLOCKING FOR WALL DOOR STOPS, TYPICAL.
20	PROVIDE HORIZONTAL LOUVERED BLIND AT THIS RELITE, MATCH EXISTING BLINDS ON SITE.

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SITE PLAN & ACCESSIBLE PARKING

G151

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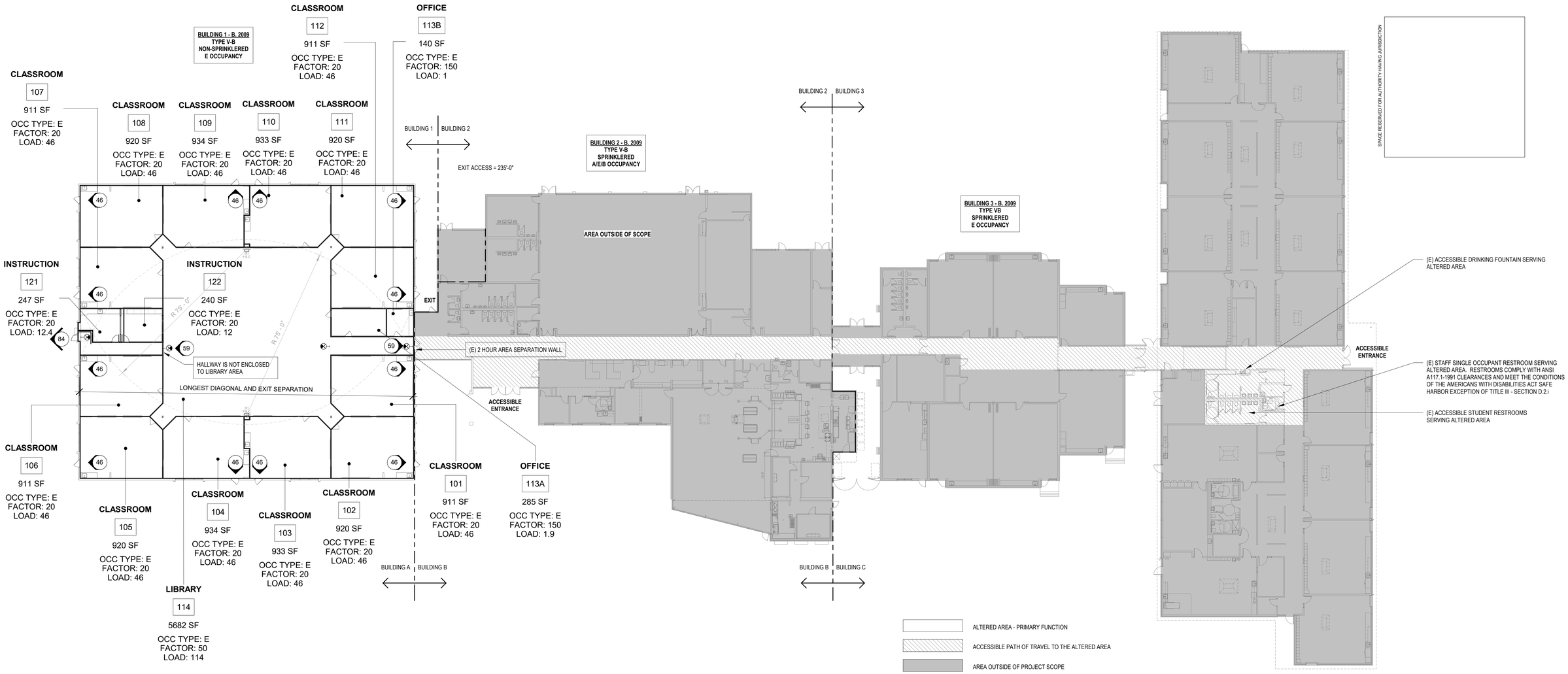

FIRE, LIFE, SAFETY PLAN - UPPER LEVEL

1" = 20'-0" — 1

CODE REQUIRED SIGANGE

A. PROVIDE REQUIRED CODE REQUIRED SIGNAGE AS PRESCRIBED BY THE OREGON STRUCTURAL SPECIALTY CODE AND THE INTERNATIONAL FIRE CODE. COORDINATE LOCATION WITH ARCHITECT AND AUTHORITY HAVING JURISDICTION PRIOR TO INSTALLATION.

B. THE FOLLOWING ITEMS ARE TYPICALLY PROVIDED BY THE GENERAL CONTRACTOR, BUT MAY NOT EXHAUSTIVE OF ALL UNIQUE PROJECT REQUIREMENTS. COORDINATE EXTENT OF CODE REQUIRED SIGNAGE WITHIN THIS PROJECT WITH ARCHITECT OF RECORD PRIOR TO SUBSTANTIAL COMPLETION.

C. **OREGON SPECIALTY STRUCTURAL CODE - BASED ON THE INTERNATIONAL BUILDING CODE (IBC)**

- OCCUPANT LOAD (1004.3)
- TWO-WAY COMMUNICATION DEVICES (IBC 1007.8.2)
- AREAS OF REFUGE (IBC 1007.9)
- DELAYED EMERGENCY EXIT DOORS (IBC 1008.1.9)
- KEY LOCKS ON EGRESS SIDE OF DOORS (IBC 1008.1.9)
- EXIT SIGNAGE (IBC 1011.1)
- FLOOR IDENTIFICATION (IBC 1022.8)
- ACCESSIBILITY ELEMENTS AND DIRECTIONAL SIGNAGE (IBC 1110)
- ELEVATOR EMERGENCY SIGNS (IBC 3002.3)

D. **OREGON FIRE CODE - BASED ON THE INTERNATIONAL FIRE CODE (IFC)**

- NO SMOKING (IFC 310.3)
- PREMISES IDENTIFICATION (IFC 505.1)
- FIRE PROTECTION EQUIPMENT SIGNS (IFC 509.1)
- ELECTRICAL CONTROL ROOMS (IFC 605.3.1)
- FIRE DOORS (IFC 703.2.1)
- FIRE DEPARTMENT CONNECTIONS (IFC 912.4)

RATED ASSEMBLIES

A. WHERE RATED ASSEMBLIES ARE SHOWN ON THE FLS PLAN, PROVIDE A UL OR GA LISTED RATED ASSEMBLY TO MEET THE FIRE RATING REQUIREMENTS TO THE ARCHITECT FOR REVIEW.

B. PROVIDE A UL OR GA LISTED PERIMETER JOINT ASSEMBLY AND THROUGH PENETRATION FIRE STOP ASSMEMBLY MEETING THE FIRE RATED REQUIREMENT OF THE WALL, FLOOR/CEILING OR ROOF ASSMBLY SHOWN ON THE FLS PLANS.

C. PROVIDE A SUBMITTAL CUTSHEET TO THE ARCHITECT OF EACH SELECTED FIRE RESISTANT ASSEMBLY PRIOR TO INSTALLATION.

EMERGENCY LIGHTING REQUIREMENTS

A. MEANS OF EGRESS, INCLUDING EXIT DISCHARGE, SHALL BE ILLUMINATED AT ALL TIMES THE BUILDING SPACE IS SERVED BY THE MEANS OF EGRESS.

B. PROVIDE MINIMUM 1 FOOT-CANDLE OF ILLUMINATION AT ALL MEANS OF EGRESS. THE POWER SUPPLY FOR THE MEANS OF EGRESS ILLUMINATION SHALL NORMALLY BE PROVIDED BY THE BUILDINGS ELECTRICAL SUPPLY. IN THE EVENT OF A POWER FAILURE, THE EMERGENCY POWER SHALL PROVIDE POWER FOR A DURATION OF NOT LESS THAN 90 MINUTES AND SHALL CONSIST OF STORAGE BATTERIES, UNIT EQUIPMENT, OR AN ON-SITE GENERATOR. THE INSTALLATION OF THE EMERGENCY POWER SYSTEM SHALL BE IN ACCORDANCE WITH 2015 IBC SECTION 2702 AND 2015 IBC SECTION 1006.

C. PRIOR TO FINAL INSPECTION, SUBMIT DOCUMENTATION SUBSTANTIATING THE COMPLETION OF TEST FOR THE MEANS OF EGRESS ILLUMINATION LEVEL PER 2015 IBC 1008.2.1, 1008.3 AND EMERGENCY POWER PER 1008.3.5.

FIRE LIFE SAFETY (BY GENERAL CONTRACTOR)

THE FOLLOWING ITEMS ARE FIRE LIFE SAFETY REQUIREMENTS TO BE COMPLETED BY THE GENERAL CONTRACTOR. PROVIDE THE APPROPRIATE SUBMITTAL TO THE ARCHITECT FOR REVIEW AND COORDINATION PRIOR TO SUBMITTING TO THE AUTHOROITY HAVING JURISDICTION.

DELEGATED DESIGN SUBMITTALS/PERMITS

A. ITEMS LISTED AS A DEFERRED SUBMITTAL OR DESIGN BUILD ITEMS ON SHEET G001 REQUIRE ENGINEERING TO BE PROVIDED BY THE GENERAL CONTRACTOR.

B. PROVIDE A COMPLETE AND ENGINEERED SYSTEM TO MEET THE DESIGN INTENT CONTAINED WITHIN THESE CONTRACT DOCUMENTS. PROVIDE A SUBMITTAL TO THE ARCHITECT FOR REVIEW OF DESIGN INTENT CONFORMANCE ONLY; THIS REVIEW DOES NOT CONSTITUTE A PROFESSIONAL PEER REVIEW OF THE SYSTEMS SUBMITTED.

C. WHERE A LICENSED DESIGN PROFESSIONAL IS REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE GENERAL CONTRACTOR IS TO SECURE THESE SERVICES AND PROVIDE STAMPED DOCUMENTS TO MEET THE LOCAL REQUIREMENTS FOR A DEFERRED SUBMITTAL OR SEPARATE PERMIT.

D. ADDITIONAL DEFERRED SUBMITTAL OR PERMIT FEES TO BE PAID BY THE GENERAL CONTRACTOR.

CODE SUMMARY

APPLICABLE CODES

2019 OREGON STRUCTURAL SPECIALTY CODE (OSSC)
2021 OREGON ZERO ENERGY READY COMMERCIAL CODE (OSSC CHAPTER 13)
2019 OREGON MECHANICAL SPECIALTYCODE (OMSC)
2021 OREGON PLUMBING SPECIALTY CODE (OPSC)
2021 OREGON ELECTRICAL SPECIALTY CODE (OESC)
2019 OREGON FIRE CODE
ICC/ANSI A117.1 - 2009

WASHINGTON COUNTY MUNICIPAL CODE

CONSTRUCTION TYPE & USE (CHAPTERS 3,4 & 5)

BUILDING OCCUPANCY:	E (EDUCATION)
CONSTUCTION TYPE:	V-B (NON-SPRINKLERED, SEE FLS PLAN)
STORIES:	1 ABOVE GRADE
SEPARATION:	NON-SEPARATED

FIRE-RESISTANT RATING REQUIREMENTS (CHAPTER 6)

PRIMARY STRUCTURAL FRAME:	**0 HOURS**
BEARING WALLS:	
EXTERIOR:	**0 HOURS**
INTERIOR:	**0 HOURS**
NON BEARING WALLS AND PARTITIONS:	
EXTERIOR:	**SEE SHELL FLS PLANS**
INTERIOR:	**0 HOUR**
FLOOR CONSTRUTION:	**0 HOURS**
ROOF CONSTRUCTION:	**0 HOURS**

INTERIOR FINISHES (CHAPTER 8)

ALL INTERIOR AND CEILING FINISH MATERIALS TO BE CLASSIFIED IN ACCORDANCE WITH ASTM E84 OR UL 723 AND MEET THE FOLLOWING SMOKE-DEVELOPED INDEXES AS REQUIRED BY TABLE 803.9 BELOW:

INTERIOR EXIT STAIRWAYS, EXIT RAMPS AND EXIT PASSAGEWAYS:	**CLASS A**
CORRIDORS AND ENCLOSURES FOR EXIT STAIRWAYS AND RAMPS:	**CLASS B**
ROOMS AND ENCLOSED SPACES:	**CLASS C**

MEANS OF EGRESS (CHAPTER 10)

1006.2.1 NUMBER OF EXITS: MORE THAN ONE EXIT IS REQUIRED FROM EACH TENANT SUITE IF THE OVERALL OCCUPANT LOAD IS GREATER THAN 49

1006.2.1 COMMON PATH OF EGRESS TRAVEL: THE MAXIMUM COMMON PATH OF EGRESS TRAVEL FOR OCCUPANCY GROUPS E SHALL NOT BE MORE THAN **75 FEET WITHOUT** AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

1007.1.1 EXIT DISTANCE: WHERE TWO EXITS ARE REQUIRED, THE SEPARATION DISNACE SHALL NOT BE LESS THAN **1/2 THE DIAGONAL WITHOUT** AN AUTOMATIC SPRINKLER SYSTEM.

1016.2 EXIT TRAVEL DISTANCE: MAXIMUM TRAVEL DISTANCE FOR OCCUPANCY E, NON-SPRINKLERED: **200'**

1020.1 CORRIDOR FIRE-RESISTANCE RATING: (1) HOUR FIRE RESISTANT RATING IS REQUIRED FOR OCCUPANCY TYPES E FOR BUILDINGS **WITHOUT** AN AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH 903.3.1.1

LEGEND - FLS PLANS

NOTE: PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

- 1/2 HOUR FIRE PARTITION - 20 MINUTE DOOR
- 1 HOUR FIRE PARTITION - 45 MINUTE DOOR
- 1 HOUR FIRE BARRIER - 60 MINUTE DOOR
- 2 HOUR FIRE BARRIER - 90 MINUTE DOOR
- 3 HOUR FIRE BARRIER - 20 MINUTE DOOR
- 44" — EGRESS PATH OF TRAVEL WITH MINIMUM CLEARANCE WIDTH INDICATED. *PROVIDE MINIMUM ILLUMINATION FOR EXITING.*
- C.P. X' - X" — COMMON PATH OF EGRESS TRAVEL (OSSC 1014.3)
- E.A. X' - X" — EXIT ACCESS DISTANCE (OSSC 1016)
- 10 — OCCUPANT LOAD AT OPENING
- 10 — CUMMALTIVE OCCUPANT LOAD AT OPENING
- LIGHTED EXIT SIGN - CEILING MOUNTED
  SHADING INDICATES LIGHTED FACE(S). DIRECTION ARROW CORRESPONDS TO DIRECTION ARROW ON SIGN
- LIGHTED EXIT SIGN - WALL MOUNTED
- F.E.C — FIRE EXTINGUISHER CABINET - COORDINATE LOCATION WITH FIRE MARSHAL

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FIRE, LIFE & SAFETY PLAN
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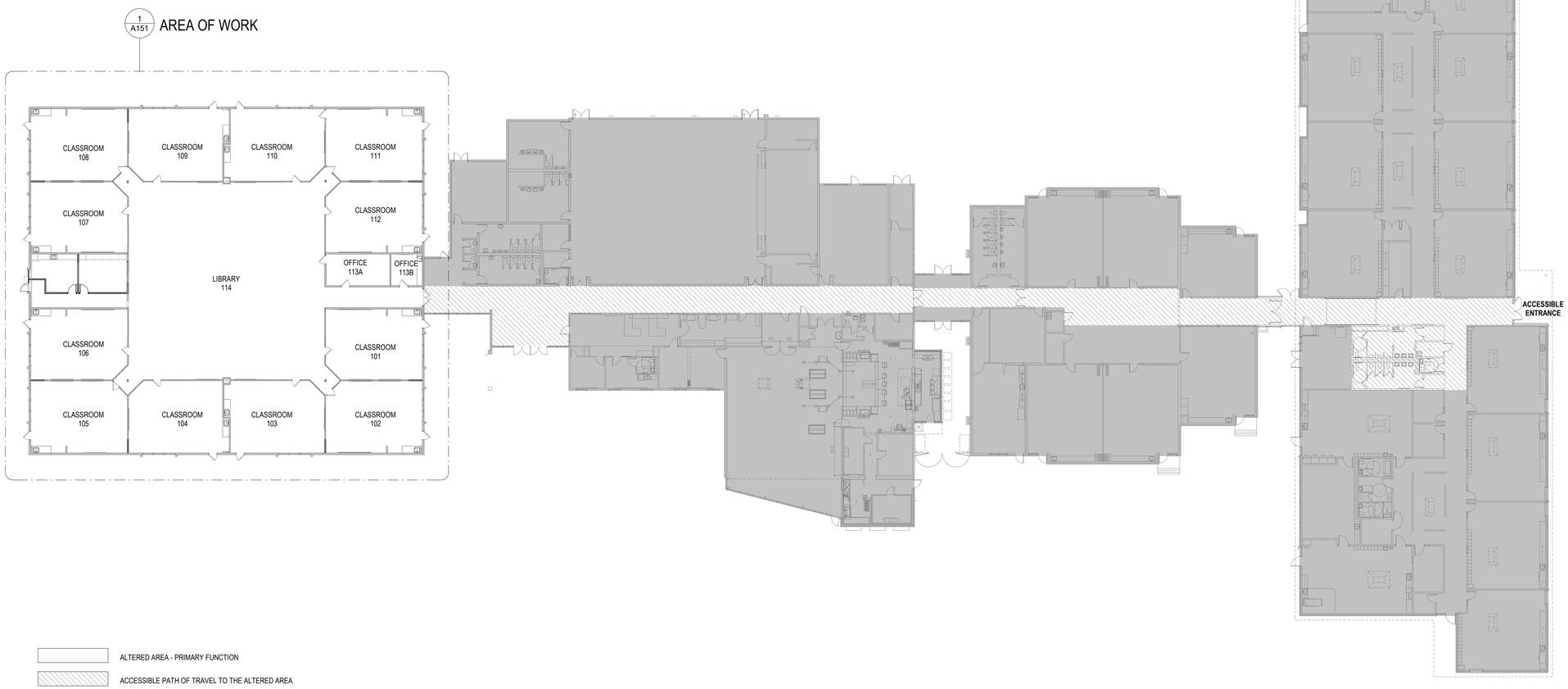


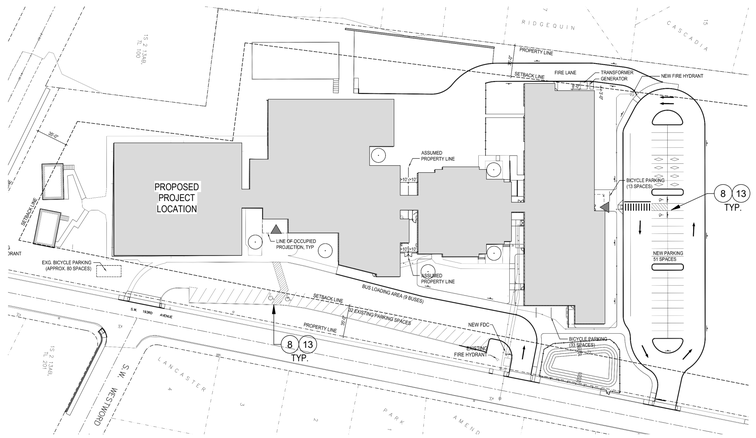
ALTERED AREA - PRIMARY FUNCTION

ACCESSIBLE PATH OF TRAVEL TO THE ALTERED AREA

AREA OUTSIDE OF PROJECT SCOPE

OVERALL FLOOR PLAN 1

3/64" = 1'-0"



ACCESSIBLE PARKING LOCATION 2

1" = 80'-0"

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SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES - FLOOR PLAN

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B. REFER TO SHEET G101 FOR LOCATION OF RATED WALLS. MAINTAIN ALL RATINGS THROUGH RATED ASSEMBLIES INCLUDING THROUGH PENETRATIONS AND PERIMETER JOINT ASSEMBLIES.

C. REFER TO SHEET A800 FOR TYPICAL PARTITION DETAILS AND TYPES INCLUDING STUD FRAMING AND HEADER REQUIREMENTS.

D. REFER TO SHEET A800 FOR REQUIRED USE OF MOISTURE RESISTANT GYPSUM BOARD OR CEMENT BACKER BOARD LOCATIONS.

E. DIMENSIONS ARE TO FACE OF WALL/FINISH UNLESS OTHERWISE NOTED. ADVISE ARCHITECT IN WRITING OF ANY DISCREPANCIES PARTICUALY OF STATED INTEIROR CLEAR DIMENSIONS.

F. WHERE DIMENSIONS ARE LISTED AS 'CRITICAL CLEAR' THESE DIMENSIONS MUST ABSULUTELY BE HELD FOR ADA OR EGRESS COMPLIANCE. DIMENSIONS LISTED WITH '+/-' TYPICALLY HAVE SOME CONSTRUCTION TOLERANCE.

G. PATCH AREAS ADJACENT OR ADJOINING DEMOLITION WORK TO MATCH EXISTING AND/OR NEW CONSTRUCTION.

H. ALL NEW GYPSUM BOARD WALL SURFACES TO RECEIVE A SMOOTH, LEVEL 4 FINISH PER AWCI STANDARDS.

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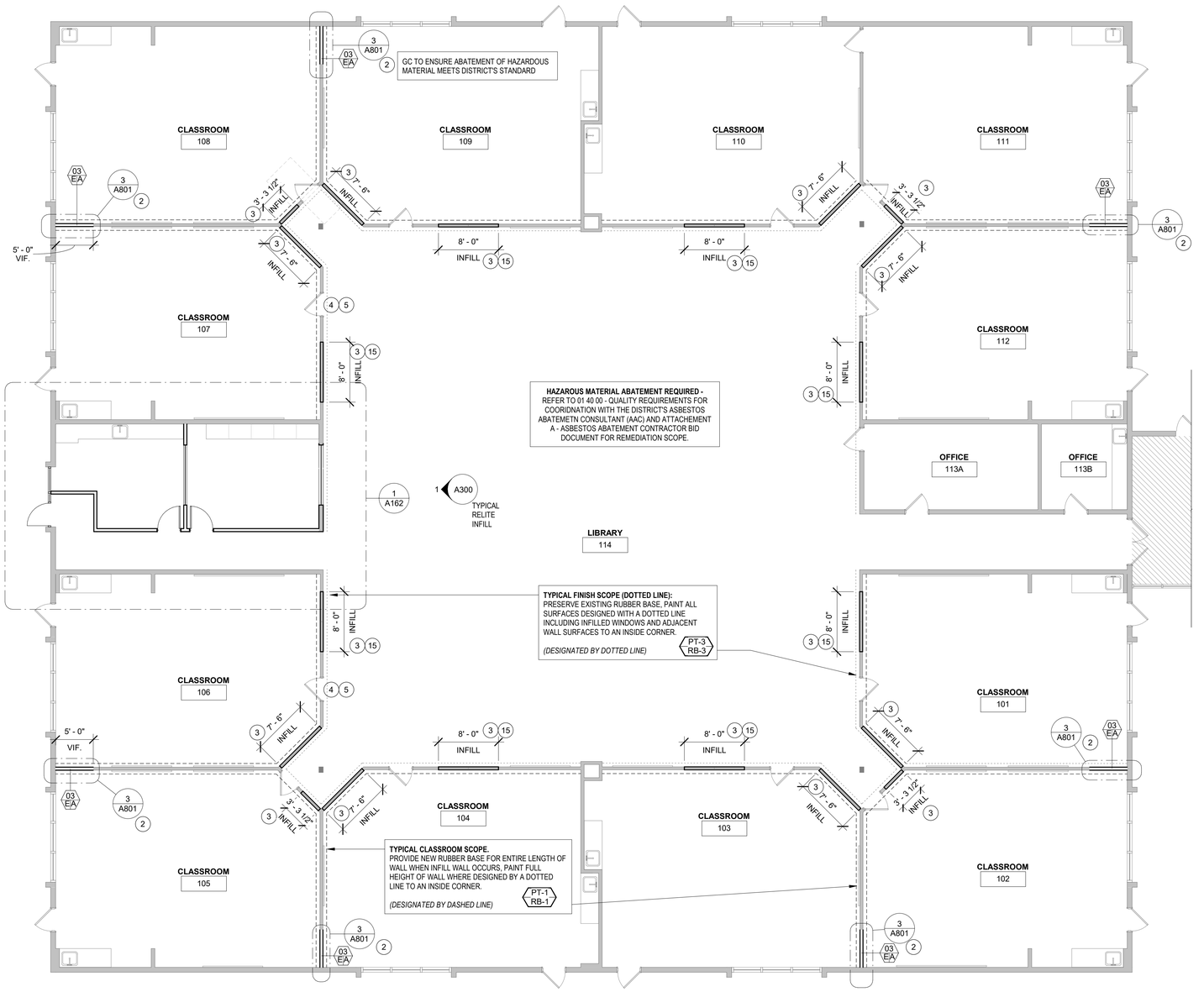
OVERALL FLOOR PLAN

A051



ENLARGED FLOOR PLAN - NEW CLASSROOMS 1

1/8" = 1'-0"

FINISH SCHEDULE

NOTE - INSTALL ALL FINISHES PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.

09 91 00 - PAINTS AND COATINGS

PT-1 - WHITE:
COLOR: MATCH (E) CLASSROOM WALLS
LOCATIONS: NEW READING ROOMS & CORRIDOR, PATCH AT CLASSROOM INTERIORS

PT-2 - BRONZE
COLOR: MATCH (E) DOOR FRAMES
LOCATIONS: NEW DOOR FRAMES

PT-3 - YELLOW
COLOR: MATCH (E) LIBRARY DOORS
LOCATIONS: NEW DOOR FRAMES

09 65 00 - RESILIENT FLOORING & BASE

RB-1 - BLACK:
PRODUCT: RUBBER COVE BASE
SIZE: 4"
COLOR: MATCH EXISTING BASE @ WHITE WALLS
LOCATIONS: CLASSROOM INTERIORS

RB-3 - BROWN:
PRODUCT: RUBBER COVE BASE
SIZE: 4"
COLOR: MATCH EXISTING BASE @ YELLOW WALLS
LOCATIONS: COMMON INFILL WALLS

09 68 16 - SHEET CARPETING

(E) CPT - EXISTING CARPET:
NOTES: INSTALL SALAVAGE CARPET AT WALL INFILL FROM REMOVED PORTION AT WALK OFF MAT

WOM - WALK OFF MAT:
STYLE: SUPER NOP 52
COLOR: GARNET

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LEGEND - FLOOR PLANS

WALL TAG (03 EA): WALL TYPE PER ASSEMBLY; BRACING CONDTION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE (102): DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE (34 A): DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG (A): WINDOW TYPE - SEE SCHEDULE

KEY NOTE (1): KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

NOTE: WHEN INFILLING NEW WALLS AT EXISTING WOOD FRAMING, USE 3 1/2" (350S) STUDS IN LIEU OF 3 5/8" STUDS TO ALIGN F.O. FINISHES

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ENLARGED FLOOR PLAN - BUILDING 1

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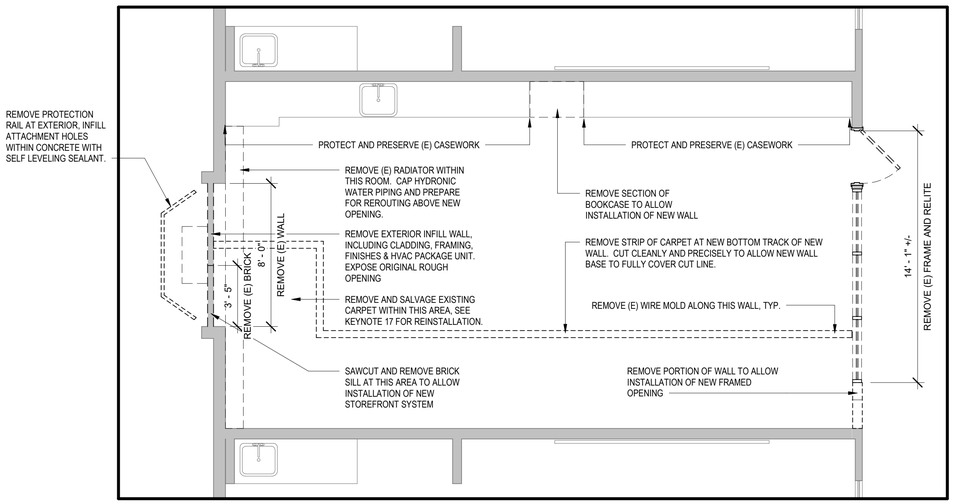
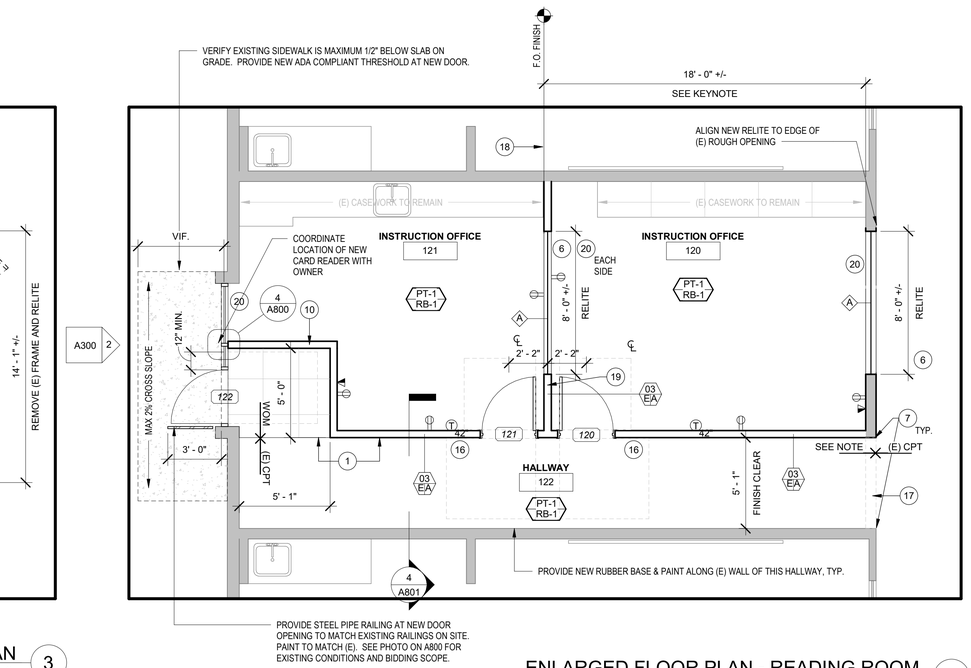


READING ROOM - DEMOLITION PLAN

1/4" = 1'-0"

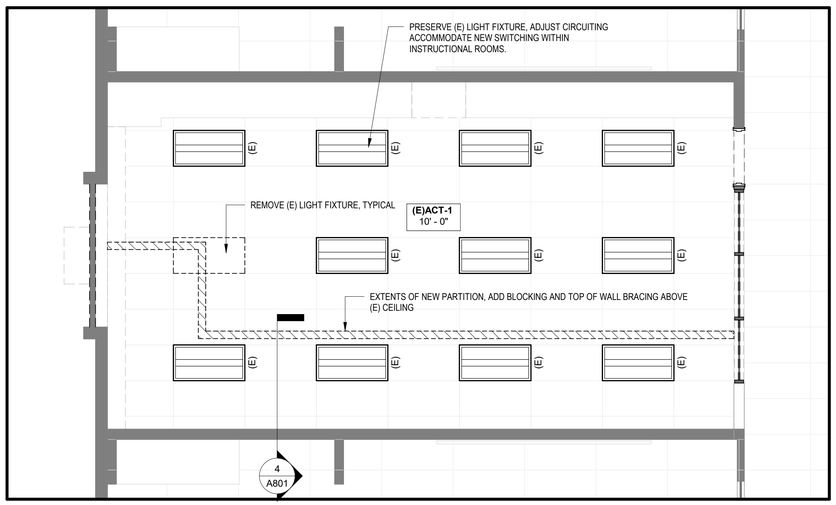
3



ENLARGED FLOOR PLAN - READING ROOM

1/4" = 1'-0"

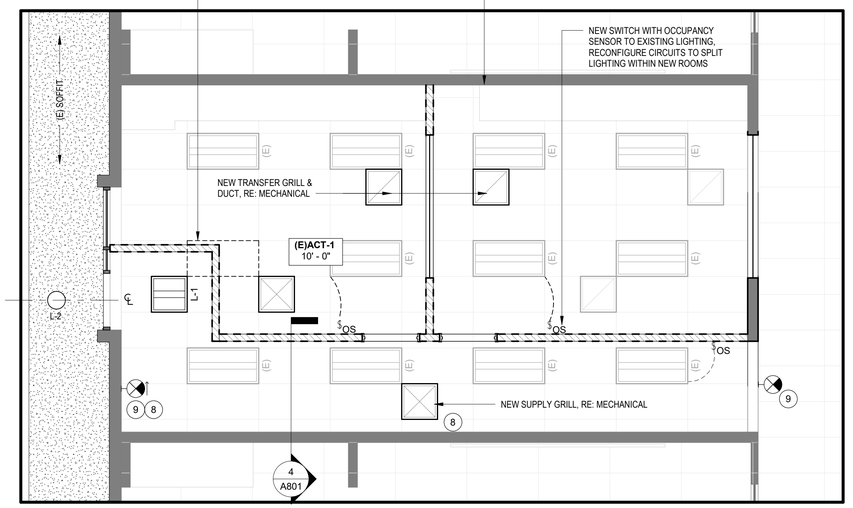
1



READING ROOM - DEMOLITION RCP

1/4" = 1'-0"

4



ENLARGED REFLECTED CEILING PLAN - READING ROOM

1/4" = 1'-0"

2

LIGHTING - 26 50 00

L-1: RECESSED TROFFER
MANUFACTURER: LITHONIA
TYPE: 2' x 2' TROFFER
PRODUCT: SEE ELECT.
SIZE: 24" x 24"
FINISH: WHITE
COLOR TEMP: MATCH EXISTING
LOCATION: SEE RCP, MATCH EXISTING TROFFERS

L-2: EXTERIOR SURFACE
MANUFACTURER: LITHONIA
TYPE: SURFACE CEILING-MOUNT
PRODUCT: OLCFM
SIZE: 12"
FINISH: DARK BRONZE
COLOR TEMP: 4000K
LOCATION: @ NEW EXIT DOOR

KEYED NOTES - FLOOR PLANS

1	ALIGN FACE OF ADJACENT FINISHES, TYPICAL.
2	PROVIDE NEW WALL TO INFILL EXISTING OPENING. ALIGN F.O. FINISHES WITH ADJACENT WALL AND TERMINATE AT UNDERSIDE OF (E) CEILING ABOVE. PROVIDE NEW PAINT AND WALLBASE, TYPICAL. GC TO ENSURE ABATEMENT OF HAZARDOUS MATERIAL MEETS DISCTIRCT'S STANDARD .
3	REMOVE (E) RELITE WINDOW AND INFILL WITH NEW GWB WALL. SEE TYPICAL ELEVATION FOR SCOPE AND DETAIL CALL OUTS. GC TO ENSURE ABATEMENT OF HAZARDOUS MATERIAL MEETS DISCTIRCT'S STANDARD .
4	REMOVE AND BLANK OFF (E) EXIT SIGN AT THIS DOOR, SEE ELECTRICAL.
5	REMOVE (E) PANIC HARDWARE AT THIS DOOR. INSTALL NEW LEVER SET WITH "CLASSROOM" FUNCTION AND COORDIANTE NEW KEYING WITH DISTRICT TO MATCH EXISTING BUILDING STANDARDS. PATCH, PUDDY, AND PAINT ANY EXPOSED ATTACHMENT POINTS FROM PREVIOUS EGRESS HARDWARE.
6	INSTALL NEW HOLLOW METAL RELITE AT THIS LOCATION. SET B.O. FRAME AT 3'-2" AFF.
7	3" X 48" STAINLESS STEEL CORNER GUARD, MECHANICALLY FASTENED. TYPICAL OF ALL FRAMED OPENING CORNERS.

KEYED NOTES - FLOOR PLANS

8	SEE ELECTRICAL FOR WALL MOUNTED EMERGENCY LIGHTING
9	NEW EXIT SIGN, COORDINATE FINAL LOCATION WITH FIRE MARSHAL.
10	INSTALL NEW 1.5KW ELECTRIC WALL HEATER WITHIN THIS AREA
13	PROVIDE TRAFFIC COATING "NO PARKING" MARKING AT EXISTING ADA ACCESS AISLE.
14	PROVIDE NEW ADA PARKING SIGNAGE AT EXISTING STALL, SEE SITE PLAN FOR TYPICAL SCOPE.
15	PROVIDE WOOD BLOCKING AT LIBRARY SIDE AT 36" AND 72" AFF FOR FUTURE WHITEBOARD. SEE TYPICAL DETAIL ON A800.
16	INSTALL OWNER FURNISHED SIGNAGE AT THIS LOCATION. SEE NOTE ON A900 FOR PROJECT SIGNAGE.
17	INSTALL SALAVAGE CARPET FROM WALK OFF MAT AREA AT THIS LOCATION TO PATCH VOID FOLLOWING DEMOLITION.
18	FIELD LOCATE WALL TO BE ADJACENT TO REMOVED CASEWORK. CONFIRM CEILING CONDITION AVOIDS EXISTING LIGHTING OR OTHER (E) CEILING MOUNTED ITEMS. CONFIRM FINAL LOCATION WITH ARCHITECT THOUGH AN RFI.
19	PROVIDE SOLID WOOD BLOCKING FOR WALL DOOR STOPS, TYPICAL.
20	PROVIDE HORIZONTAL LOUVERED BLIND AT THIS RELITE, MATCH EXISTING BLINDS ON SITE.

GENERAL NOTES - REFLECTED CEILING PLANS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. LIGHTING SHOWN IS FOR DESIGN INTENT ONLY. THE GENERAL CONTRACTOR IS REQUIRED TO PROVIDE A COMPLETE LIGHTING SYSTEM THAT MEETS ALL LOCAL REGULATORY CODES. REFER TO G001 FOR DESIGN BUILD REQUIREMENTS, G101 FOR EMERGENCY LIGHTING REQUIREMENTS AND THE LOCAL ENERGY CODE FOR DAYLIGHT ZONE REQUIREMENTS.

C. DESIGN REQUIREMENT FOR ALL CEILINGS MUST MEET THE REQUIREMENTS OF THE 2015 INTERNATIONAL BUILDING CODE FOR SEISMIC CATEGORIES D, E & F, ASCE 7-02, OR-05, OR CISCA RECORDATION FOR SEISMIC ZONES 3 & 4 OR TO THE LOCAL REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION. SEE GENERAL NOTES ON A810 FOR DESIGN REQUIREMENTS.

D. COORDINATE ALL SWITCHING WITH OWNER FOR PREFERRED LOCATIONS.

1. ALL OFFICES AND INDIVIDUAL ROOMS TO BE SWITCHED INDEPENDENTLY. PROVIDE AN OCCUPANCY SENSOR TO ALL ENCLOSED ROOMS.
2. COORDINATE OPEN AREA SWITCHING WITH THE TENANT FOR PREFERRED LOCATIONS.
3. COORDINATE FINAL LOCATION OF PENDANTS WITH FURNITURE. VERIFY LOCATION WITH OWNER OR DESIGNER PRIOR TO FINAL PLACEMENT.
4. WHERE ACCENT LIGHTING IS DESIGNATED, SEPARATE SWITCHING IS PROPOSED AND DESIGNATED BY DASHED LINES WITHIN THIS DRAWING.

E. CENTER ALL FIXTURES AND SPRINKLER HEADS WITHIN CEILING TILES, ALIGN RECESSED FIXTURES AND SPRINKLER SYSTEMS.

F. WHERE LIGHTING FIXTURES ARE PROPOSED WITHIN ROOMS WITH AN OPEN CEILING, PROVIDE SUFFICIENT SUPPORT SUCH AS UNISTRUT OR TIE WIRES TO SUSPEND FIXTURES AT 9'-6" AFF UNLESS NOTED OTHERWISE.

G. WITHIN NON-ACT CEILINGS (I.E. HARDLID), PROVIDE THE FOLLOWING :

SPRINKLER HEADS:	FULLY CONCEALED, COLOR TO MATCH CEILING
HVAC GRILLS:	LINEAR DIFFUSERS AND RETURNS
ACCESS PANELS:	FULLY FLUSH RECESSED

H. WHERE CEILINGS RECEIVE A FINISH OTHER THAN WHITE PAINT OR MANUFACTURER'S ACT, PROVIDE WALL MOUNTED STROBES, HORNS, EGRESS SIGNS OR OTHER CODE REQUIRED ITEMS.

I. SEE SECTION 01 91 13 - GENERAL COMMISIONING REQUIREMENTS FOR MECHANICAL AND CONTROL SCOPE TO BE COMISSIONED.

LIGHTING AND CEILING MATERIALS - LEGEND

FINISHES KEY. SEE FINISH SCHEDULE FOR TYPES

ACT-1: (24 x 48) — **GWB: (SEE TYPE)**

WALL BRACING KEY - REFER TO PARTITION DETAILS

- **COMPOSITE WALL TO PARTITION TRACK** - SEE WALL DETAIL C/A800.
- **BRACED WALL, BELOW GWB HEADER** - SEE WALL DETAIL B/A800.
- **BRACED WALL, BELOW TILE CEILING** - SEE WALL DETAIL A/A800.
- **EXISTING WALLS**

CEILING TAG

ACT-1 / 10-0" — *CEILING TYPE - SEE SCHEDULE*; *CEILING HEIGHT AFF*

LIGHTING & FIXTURE KEY. SEE SPECIFICATIONS AND ELEVATIONS FOR DETAILS

LIGHTING TAG - SEE SCHEDULE

- L-X — **EXISTING TROFFER FIXTURE -** 2 x 4
- **EXISTING LINEAR PENDANT -** 96"
- **EXISTING RECESSED LIGHT**
- **THERMOSTAT** SEE MECHANICAL
- $ **SWITCH LOCATION**
- **EXIT LIGHT (BATTERY BACKUP) -** ARROW DESIGNATES DIRECTION

D = DIMABLE
OS = OCCUPANCY SENSOR
3 = 3-WAY SWITCH

- **OUTLET LOCATION** - ABOVE 96" CEILING

HVAC SYMBOLS. SEE MECHANICAL SHEETS AND SPECIFICATIONS FOR DETAILS

NOTE:
CONCTRACTOR TO REPLACE CEILING TILE AND GRID TO THE EXTENT REQUIRED TO ACCOMMODATE NEW DUCT WORK.

- **NEW RETURN GRILL**
- **EXISTING SUPPLY DIFFUSER**
- **EXISTING RETURN GRILL**
- D — **HVAC ELEMENT TO BE DEMOLISHED**

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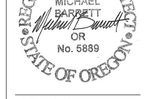

REVISIONS:

CLASSROOM WALLS PHASE 3 - KINNAMAN ELEMENTARY SCHOOL
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PERMIT DOCUMENTATION

PROJECT: 21005.05
DATE: 11/10/22

ENLARGED PLANS - READING ROOM

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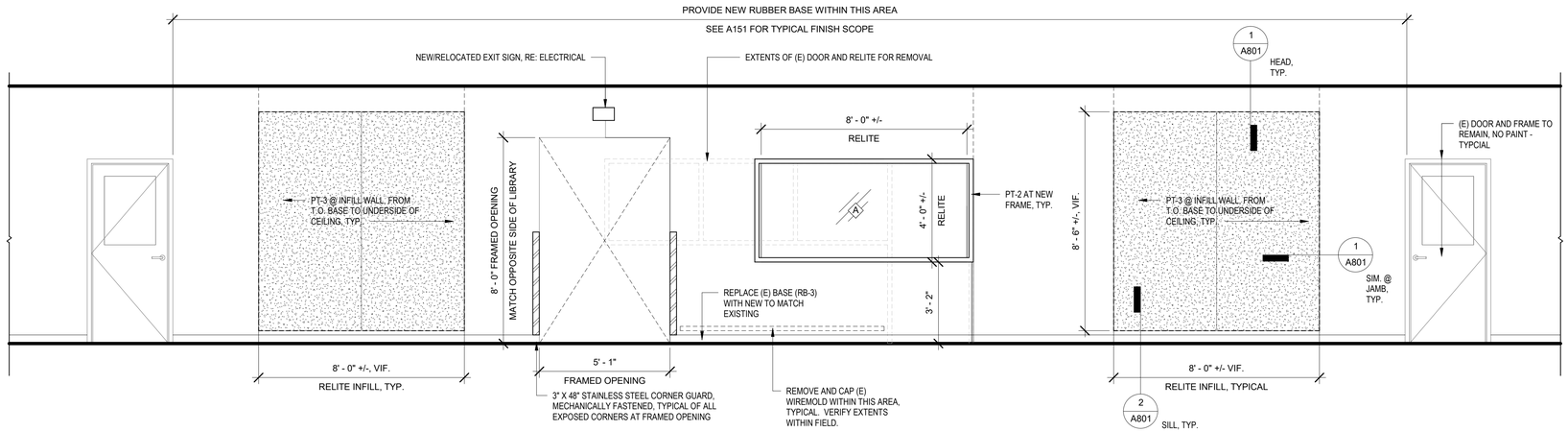
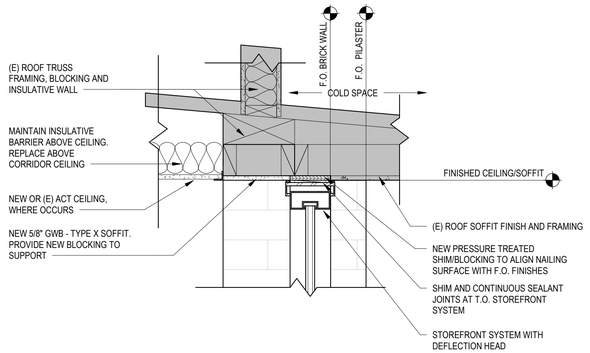


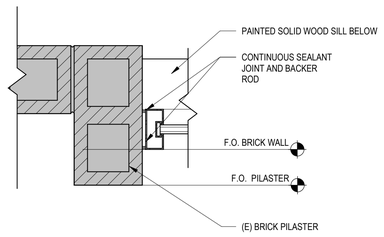
LIBRARY - INTERIOR ELEVATION 1

3/8" = 1'-0"



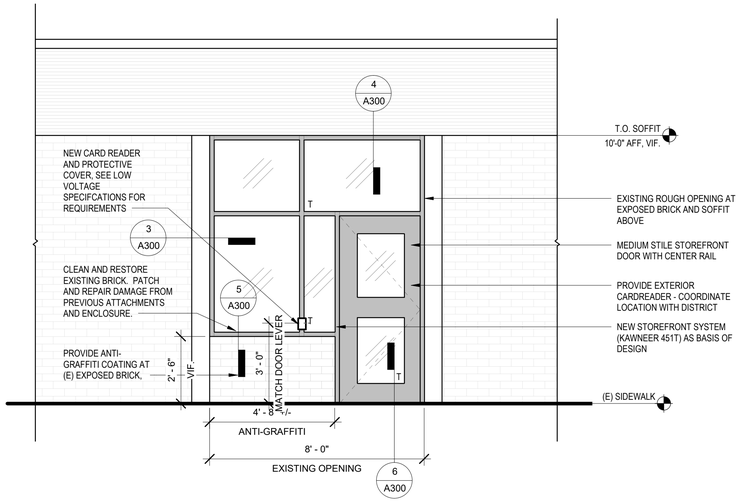
STOREFRONT - HEAD 4

1 1/2" = 1'-0"



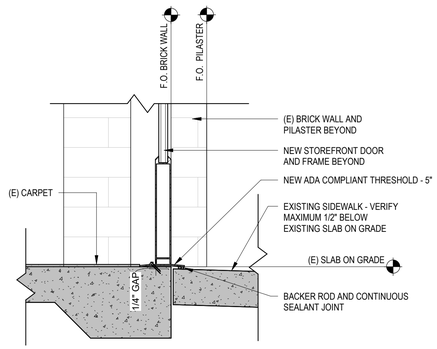
STOREFRONT - JAMB 3

1 1/2" = 1'-0"



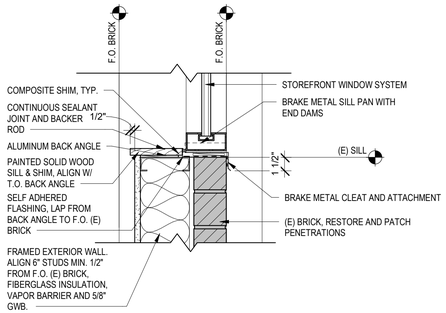
EXTERIOR WALL - NEW EXIT 2

3/8" = 1'-0"



STOREFRONT - THRESHOLD 6

1 1/2" = 1'-0"



STOREFRONT - BRICK SILL 5

1 1/2" = 1'-0"

GENERAL NOTES - EXTERIOR ELEVATIONS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. ELEVATIONS SHOW GENERAL DESIGN CONCEPTS FOR SIDING MATERIALS, TRIM LOCATIONS AND WINDOW OPENINGS. GENERAL CONTRACTOR TO COORDINATE INTERSECTION AND SEQUENCING OF ALL MATERIALS AND VERIFY EXISTING CONDITIONS AND DIMENSIONS.

C. GENERAL CONTRACTOR TO REMOVE (E) TRIM PIECES AND PROJECTIONS BEYOND THE PLANE OF THE EXISTING SHEATHING TO ALLOW THE INSTALLATION OF NEW SIDING MATERIALS.

D. GENERAL CONTRACTOR TO COORDINATE REMOVAL AND REINSTALLATION OF ALL MECHANICAL, ELECTRICAL AND PLUMBING PENETRATIONS TO ALLOW THE INSTALLATION OF NEW SIDING MATERIAL. WHERE PENETRATIONS EXIST, PROVIDE FIBER CEMENT BLOCKING BEHIND ITEMS AND MAINTAIN AIR BARRIER CONTINUANCE AROUND ALL PENETRATIONS.

E. MAINTAIN AIR BARRIER CONTINUANCE AT THE EXTERIOR OF THE BUILDING. SEAL ALL PENETRATIONS WITH SELF ADHERED FLASHING AT THE EXTERIOR, LIQUID APPLIED FLASHING AT ROUGH OPENINGS AND SPRAY FOAM INSULATION AT THE INTERIOR.

F. UNLESS NOTED OTHERWISE, ALL NEW SIDING MATERIALS TO BE INSTALLED ON PRESSURE TREATING 1/2" PLYWOOD FURRING, MINIMUM 2" IN WIDTH. PROVIDE BUG SCREENS AT THE TOP AND BOTTOM OF ALL RAINSCREEN CAVITIES.

G. FOLLOW SIDING MANUFACTURER'S WRITTEN INSTALLATION INSTRUCTIONS FOR APPLICATION OF ALL CLADDING OR SIDING MATERIALS INCLUDING PROVIDING ADDITIONAL METAL FLASHING AT LEDGES AND AT INTERSECTIONS AND CUT PANELS. PROVIDE ATTACHMENT CLIPS OR OTHER FASTENERS AS REQUIRED TO MEET THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

H. AT SOFFIT REPLACEMENT, PROVIDE MINIMUM AIRFLOW THROUGH NEW SOFFIT VENTS AS SHOWN WITHIN PLANS AND DETAILS. MAINTAIN FREE AIR FLOW BETWEN SOFFIT VENT THROUGH FULL VENTILATED ATTIC.

I. INSTALL NON-CORROSIVE FLASHING AT THE, BUT NOT LIMITED TO, FOLLOWING LOCATIONS:
   a. AT THE TOP OF ALL EXTERIOR WINDOW AND DOOR OPENINGS WITH END DAMS TO PROPERTY SHED WATER OUT OF THE WALL CAVITY.
   b. UNDER AND AT THE ENDS OF MASONRY, WOOD OR METAL COPINGS AND SILLS.
   c. CONTINUOUSLY ABOVE ALL PROJECTING WOOD OR FIBER CEMENT TRIM.
   d. WHERE EXTERIOR FEATURES SUCH AS PORCHES, DECKS, CANOPIES, OR STAIRS ATTACH TO A WALL OR FLOOR ASSEMBLY.
   e. AT ALL WALL, CURB, ROOF AND PARAPET INTERSECTIONS.
   f. AT BUILT-IN GUTTERS, SCUPPER BOXES, AND DOWNSPOUT CONNECTIONS.
   g. AS SHOWN WITHIN PROVIDED BUILDING DETAILS.

EXISTING BUILDING COMPLIANCE (IEBC)

THE FOLLOWING ITEMS DESCRIBED PRESCRIPTIVE COMPLIANCE PATH REQUIREMENTS FOR THE PROJECT TO MEET CHAPTER 3 AND CHAPTER 5 REQUIREMENTS OF THE 2018 INTERNATIONAL BUILDING CODE REFERENCED THROUGH CHAPTER 34 OF THE OREGON SPECIALTY STRUCTURAL CODE.

CHAPTER 5 - PRESCRIPTIVE COMPLIANCE

THIS PROJECT PROPOSES USING THE PRESCRIPTIVE COMPLIANCE METHOD OUTLINED IN CHAPTER 5 OF THE 2018 INTERNATIONAL EXISTING BUILDING CODE (IEBC) AS MODIFIED BY CHAPTER 34 OF THE OSSC.

A. THIS PROJECT SHALL MEET THE REQUIREMENTS OF CHAPTER 5 (PRESCRIPTIVE COMPLIANCE METHOD) OF THE INTERNATIONAL EXISTING BUILDING CODE. NO PORTION OF THIS PROJECT SHALL ALTER THE EXISTING BUILDING TO BECOME LESS SAFE THAN ITS EXISTING CONDITION.

B. ALTERNATIONS (503): ALTERATIONS TO EXISTING BUILDINGS SHALL COMPLY WITH CURRENT BUILDING CODE FOR NEW CONSTRUCTION.
   a. STRUCTURAL ELEMENTS - GRAVITY LOAD - LOADS ON EXISTING STRUCTURAL ELEMENTS CARRYING GRAVITY LOADS SHALL NOT BE INCREASED MORE THAN 5% OR WILL NEED TO BE STRENGTHENED.
   b. STRUCTURAL ELEMENTS - LATERAL LOADS - ADDITIONAL LOADS LESS THAN 10% ON THE DEMAND-CAPACITY RATIO OF EXISTING ELEMENTS MAY BE IGNORED.

C. WINDOWS AND EMERGENCY ESCAPE OPENINGS (505):
   a. REPLACEMENT WINDOW OPENING CONTROL DEVICE (505.2) - WITHIN R-2 OCCUPANCIES, WINDOW OPENING CONTROL DEVICES COMPLYING ASTM F2090 SHALL BE INSTALLED WHERE AN EXISTING WINDOW IS REPLACED.
   a. EMERGENCY ESCAPE AND RESCUE OPENINGS (505.4) - EMERGENCY ESCAPE AND RESCUE OPENINGS SHALL BE OPERATIONAL FROM THE INSIDE OF THE ROOM WITHOUT THE USE OF KEYS OR TOOLS.

D. CHANGE OF OCCUPANCY (506):
   a. NO CHANGES OF OCCUPANCY SHALL BE MADE UNLESS THAT BUILDING IS MADE TO COMPLY WITH THE REQUIREMENTS OF THE BUILDING CODE FOR THAT USE OR OCCUPANCY. CHANGES OF OCCUPANCY SHALL NOT MAKE THE BUILDING LESS COMPLIANT WITH CODE REQUIREMENTS THAN IT WAS PRIOR TO THE CHANGE.

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PROJECT: 21005.05
DATE: 11/10/22

EXTERIOR ELEVATIONS & DETAILS

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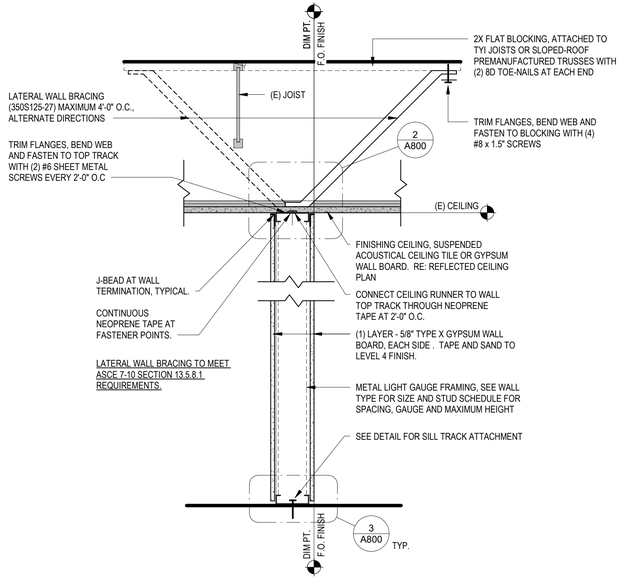
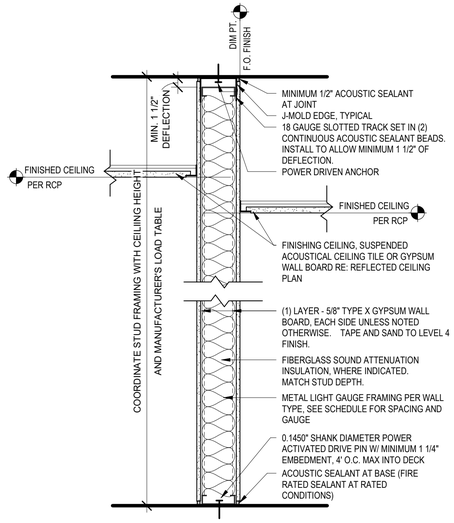


BRACED WALL @ (E) ACT — A

1" = 1'-0"



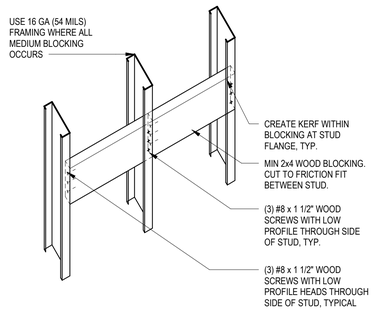
COMPOSITE WALL — C

1" = 1'-0"

BLOCKING NOTES:

1. CONTRACTOR TO COORDINATE WOOD BLOCKING WITH LOCATIONS OF ALL EQUIPMENT OR DEVICES
2. EXTEND WOOD BLOCKING ACROSS A MINIMUM OF (3) STUDS, EXTEND FOR FULL LENGTH OF INFILL WALLS U.N.O.
3. EXTEND WOOD BLOCKING TO MINIMUM ONE STUD BEYOND EXTENT OF CABINETRY OR WALL-HUNG EQUIPMENT
4. KERF WOOD BLOCKING AT STUD FLANGE TO ALIGN F.O. BLOCKING WITH F.O. METAL STUD

NOTE: CONTRACTOR OPTION TO USE SCAFCO KB- WALL SUPPORT BACKING (KWIK-BACK) BRACKET OR APPROVED EQUAL PER MANUFACTURER INSTRUCTIONS IN LIEU OF DETAIL BELOW.



PARTITION - WOOD BLOCKING — 1

1" = 1'-0"

PARTITION - CLOSURE AT MULLION — 4

3" = 1'-0"

WALL HEADER AT (E) ACT — 2

3" = 1'-0"

NON-LOADBEARING WALL FRAMING SCHEDULE[3]:

STUD SIZE	SECTION	SPACING (O.C)	MAXIMUM HEIGHT - L/240 @ 10 PSF: COMPOSITE [1]	MAXIMUM HEIGHT - L/240 @ 10 PSF: NON-COMPOSITE [2]
2 1/2"	250S125-18	16" O.C.	10' - 0"	N/A
	250S125-18	24" O.C.	8' - 2"	N/A
	250S125-33	16" O.C.	13' - 3"	9' - 6"
	250S125-33	24" O.C.	9' - 10"	8' - 4"
3 5/8"	362S125-18	16" O.C.	11' - 5"	8' - 0"
	362S125-18	24" O.C.	9' - 4"	N/A
	362S125-33	16" O.C.	13' - 10"	12' - 6"
	362S125-33	24" O.C.	11' - 11"	10' - 2"
6"	600S125-18	16" O.C.	14' - 2"	8' - 7"
	600S125-18	24" O.C.	N/A	N/A
	600S125-33	16" O.C.	22' - 3"	13' - 10"
	600S125-33	24" O.C.	17' - 8"	12' - 1"

[1] COMPOSITE WALL CONSRUCTION REQUIRES A SINGLE LAYER OF 5/8" TYPE X GWB INSTALLED IN VERTICAL ORIENTATION TO BOTH SIDES OF THE WALL.

[2] NON-COMPOSITE WALL CONSRUCTION REQUIRES FULL BRACING EVERY 48" O.C. AT OR BELOW MAXIMUM HEIGHT.

[3] PER SSMA TABLES PUBLISHED BY SCAFCO. CONSULT TABLE FOR MAXIMUM HEIGHT SPANS FOR CONDITIONS NOT LISTED IN TABLE ABOVE.

NOTE: EQ STUDS ARE NOT ACCEPTABLE PER DISTRICT STANDARD

STEEL STUD NON-BRC WALL HEADER SCHEDULE

WALL HEIGHT	STUD WIDTH	OPENING WIDTH (TOP & BOTTOM TRACKS): <=6'-0"	<=8'-0"	<=10'-0"	<=12'-0"	<=14'-0"
<=8'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-43 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=10'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-54 BOT
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B
<=12'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B	350T125-33 TOP 350T125-43 BOT	350T125-33 TOP 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B	550T125-43 T&B*
<=14'-0"	3 1/2" - 4"	350T125-33 T&B	350T125-33 T&B	350T125-33 T&B*	350T125-33 TOP 350T125-43 BOT*	350T125-33 TOP 350T125-54 BOT**
	5 1/2" - 6"	550T125-33 T&B	550T125-33 T&B	550T125-33 T&B*	550T125-33 T&B*	550T125-43 T&B**

NOTES:
[1] HEADER HEIGHT ASSUMED >= 6'-0" AND <= 10'-0"
[2] OPENINGS ASSUMED WITH 4-WAY PRESSURE DISTRIBUTION
[3] PROVIDE #8 SMS AT 12" OC FROM TRACKS TO S-SECTIONS AS SHOWN
[4] VERTICAL S-SECTIONS TO BE DBL 400S125-33 MIN EXCEPT WHERE DENOTED (*) USE DBL 400S162-43 MIN AND (**) USE DBL 400S162-54 MIN

(N) PARTITION BASE — 3

3" = 1'-0"

PARTITION TYPES

1 1/2" = 1'-0"

GENERAL NOTES - PARTITIONS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. PLAN DIMENSION ARE TO THE FINISHED FACE OF PARTITION ASSEMBLY, CENTERLINE OF STRUCTURAL COLUMN, OR TO FACE OF CONCRETE OR CONCRETE MASONRY UNLESS NOTED OTHERWISE.

C. PROVIDE 5/8" GYPSUM WALL BOARD (GWB), EACH SIDE, ON LIGHT GAUAGE METAL FRAMING AT 16" O.C. AS TYPICAL PARTITION UNLESS NOTED OTHERWISE.

D. PROVIDE MOISTURE RESISTANT GYPSUM BOARD AT ALL DESIGNATED WET AREAS DEFINED AS 2'-0" BEYOND THE EXTENTS OF THE EDGE ALL PLUMBING FIXTURES, THE BOTTOM 2'-0" ABOVE SLAB IN RESTROOMS AND JANITORS CLOSETS AND OTHER OR AREAS PRONE TO EXPOSED WATER.

E. PROVIDE 5/8" DENSHEILD - TYPE X OR APPROVED EQUIPMENT BEHIND ALL CERAMIC TILE INSTALLATIONS.

F. SOUND ATTENUATION BLANKET TO BE 3 1/2" IN THICKNESS UNLESS OTHERWISE NOTED OR AS PRESCRIBED IN A UL RATED ASSEMBLY.

G. PROVIDE ACOUSTICAL SEALANT AT JOINTS AND PERIMETER OF ALL TYPICAL WALLS, PROVIDE FIRE RATED SEALANT AT ALL FIRE RATED WALLS.

H. MAINTAIN THE LISTED STC RATING AND ACOUSTICAL PERFORMANCE OF ALL PARTITIONS. CAULK ALL PENETRATIONS AND WHEN RETURN AIR PLENUMS ARE PROPOSED, PROVIDE AND INSTALL A STAGGERED AND LINED DUCT ELBOW.

I. SEE FIRE LIFE SAFETY (FLS) PLAN FOR LOCATIONS OF RATED ASSEMBLIES.

J. NOTIFY THE ARCHITECT IN WRITING BETWEEN DISCREPENCIES BETWEEN LISTED UL OR GA RATED ASSEMBLIES, COMPONANTS DEPICTED WITHIN THIS DRAWING SET AND ASSOCAITED STC TESTS.

K. PROVIDE LABELED GYPSUM WALL BOARD AT FIRE RATED PARTITIONS.

L. PROVIDE CONTINUOUS UL LISTED ASSEMBLIES FOR ALL CONSTRUCTION JOINTS AND THROUGH WALL PENETRATIONS MATCHING THE FIRE RESISTANT RATING OF ALL WALLS INDICATED BELOW:

M. FIRE RATED AND SMOKE ASSEMBLY PARTITIONS AND BARRIERS TO EXTENT TO THE UNDERSIDE OF STRUCTURE UNLESS NOTED OTHERWISE.

N. FRAME AROUND BEAMS AND OTHER STRUCTURAL ELEMENTS WHEN THEY OCCURE WITHIN THE SPACE OF A FIRE RATED OR ACOUSTICAL PARTITION.

O. ALL PARTITIONS ARE NON-LOAD BEARING UNLESS OTHERWISE NOTED. REFERENCE STRUCTURAL DRAWINGS FOR LOAD BEARING PARTITION ASSEMBLIES.

P. PROVIDE CONNECTIONS TO EXISTING STRUCTURE THAT ISOLATE NON-LOAD BEARING WALLS FROM STRUCTURAL MOVEMENT. PROVIDE DEFLECTION TRACKS AT THE TOPS OF ALL PARTITIONS AND SLOTTED CONNECTIONS AT INTERMEDIATE STRUCTURES.

LEGEND - FLOOR PLANS

WALL TAG — 01 / EIA — WALL TYPE PER ASSEMBLY; BRACING CONDTION; STUD TYPE PER LEGEND

DOOR TAG - UNIQUE — 102 — DOOR TAG - REFER TO DOOR SCHEDULE

DOOR TAG - REPEATABLE — 34 / A — DOOR & FRAME TYPE SEE SCHEDULE; DOOR WIDTH

WINDOW TAG — A — WINDOW TYPE - SEE SCHEDULE

KEY NOTE — 1 — KEY NOTE - SEE SCHEDULE

STUD SIZE LEGEND

A	7/8" FURRING CHANNEL
B	1 1/2" FURRING CHANNEL
C	1 5/8" METAL STUD
D	2 1/2" METAL STUD
E	3 5/8" METAL STUD
F	4" METAL STUD
G	6" METAL STUD
H	8" METAL STUD
I	2 1/2" C-H SHAFT WALL STUD
J	4" C-H SHAFT WALL STUD
K	6" C-H SHAFT WALL STUD

BRACING CONDITION

A	HEAD @ (E) ACT
B	HEAD @ (E) SOFFIT/HEADER
C	HEAD @ PARTITION TRACK

NOTE: WHEN INFILLING NEW WALLS AT EXISTING WOOD FRAMING, USE 3 1/2" (350S) STUDS IN LIEU OF 3 5/8" STUDS TO ALIGN F.O. FINISHES

HBX STUDIO
HBX-STUDIO.COM
833 SW 11TH AVENUE, SUITE 910, PORTLAND, OREGON 97205

REGISTERED ARCHITECT
MICHAEL BARRETT
OR No. 5889
STATE OF OREGON

REVISIONS:

CLASSROOM WALLS PHASE 3 - KINNAMAN ELEMENTARY SCHOOL
4205 SW 193RD AVE
ALOHA, OR 97078

PERMIT DOCUMENTATION

PROJECT: 21005.05
DATE: 11/10/22

TYPICAL PARTITION DETAILS

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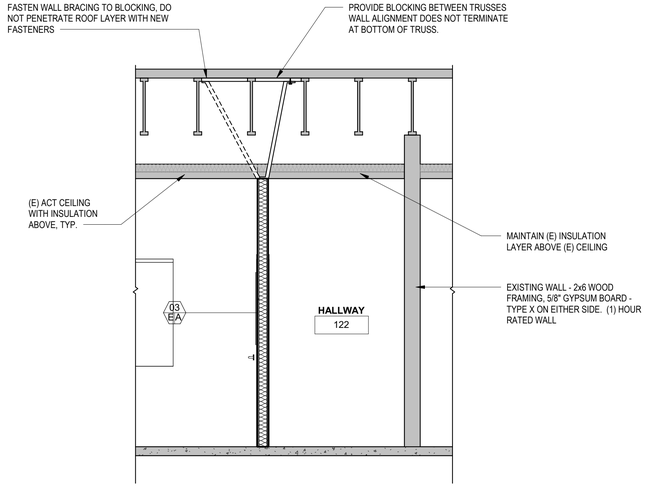
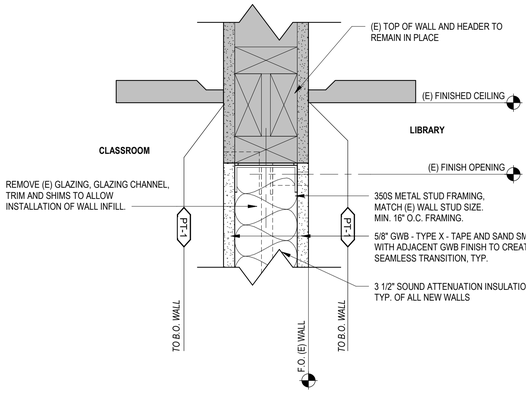


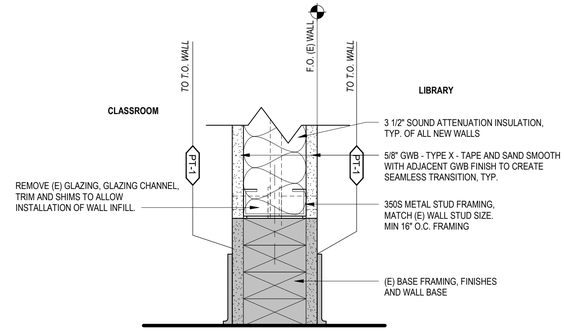
SECTION - NEW HALLWAY 4

3/8" = 1'-0"



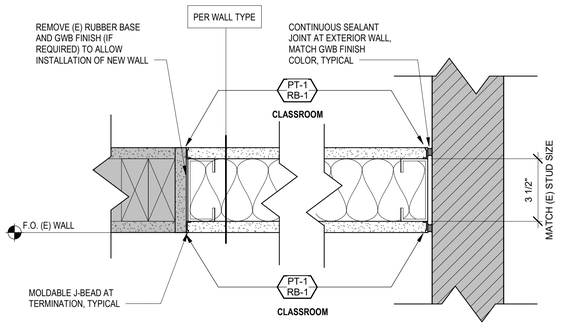
TYPICAL WALL - RELITE INFILL - HEAD 1

3" = 1'-0"



TYPICAL WALL - RELITE INFILL - SILL 2

3" = 1'-0"



TYPICAL WALL - INFILL @ PERIMETER 3

3" = 1'-0"

EXISTING CONDITIONS, PIPE RAILING - MATCH CONSTRUCTION FOR NEW DOOR STOP - 1 1/2" STEEL PIPE ASSUMED, 36" LONG, FIELD PAINTED. GENERAL CONTRACTOR TO FIELD VERIFY CONDITIONS AND SUBMIT WITHIN PROJECT SHOP DRAWINGS.

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PERMIT DOCUMENTATION

PROJECT: 21005.05
DATE: 11/10/22

TYPICAL PARTITION DETAILS

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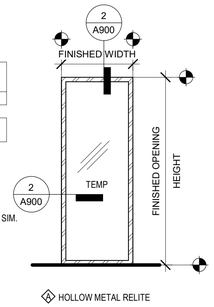
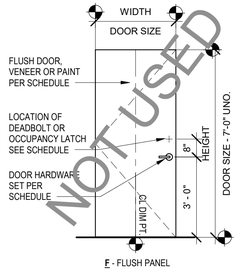
RELITE SCHEDULE

TYPE	FINISH OPENING	FRAME WIDTH	FRAME HEIGHT	SILL HEIGHT	COMMENTS
A	84" x 48"	8' - 0"	4' - 0"	<varies>	HOLLOW METAL FRAME, SEE DETAIL. PAINT PT-2 TO MATCH (E) FRAME COLOR, PROVIDE HORIONTAL LOVUER BLINDS.

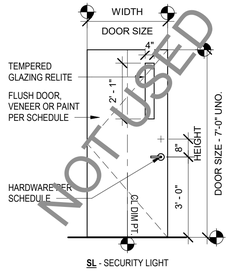


HOLLOW METAL RELITE

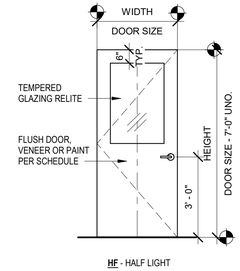
RELITE FRAME TYPES
3/8" = 1'-0"



F - FLUSH PANEL



SL - SECURITY LIGHT

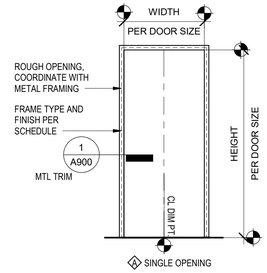


HF - HALF LIGHT

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

DOOR SCHEDULE

DOOR TAG	FROM ROOM	FINISHED SIZE		FRAME						DOOR				HARDWARE GROUP	NOTES
		WIDTH	HEIGHT	TYPE	FIRE RATING	MATERIAL	FINISH	TRIM MATERIAL	TRIM FINISH	TYPE	THICKNESS	MATERIAL	FINISH		
120	INSTRUCTION OFFICE	3' - 0"	7' - 0"	A	N/A	HM	PT-2	STL	PT-2	HL	1 3/4"	STL	TS	2	MATCH EXSITING CLASSROOM DOOR RELITE, WOOD GRAIN AND FINISH. INCLUDE BLINDS AT DOOR RELITE.
121	INSTRUCTION OFFICE	3' - 0"	7' - 0"	A	N/A	HM	PT-2	STL	PT-2	HL	1 3/4"	STL	TS	2	MATCH EXSITING CLASSROOM DOOR RELITE, WOOD GRAIN AND FINISH. INCLUDE BLINDS AT DOOR RELITE.
122	HALLWAY	3' - 0"	7' - 0"	N/A	N/A	ALUM	ALUM	ALUM	ALUM	N/A	1 1/2"	ALUM	ALUM	1	SEE ELEVATION FOR STOREFRONT SYSTEM LAYOUT, MATCH EXISTING EXTERIOR FRAME COLOR. PROVIDE LOW VOLTAGE DOOR CONTACT WTIHIN FRAME TIED TO BUILDING'S EXISTING SECURITY SYSTEM - RE: ELECTRICAL.



SINGLE OPENING

DOOR FRAME TYPES
3/8" = 1'-0"

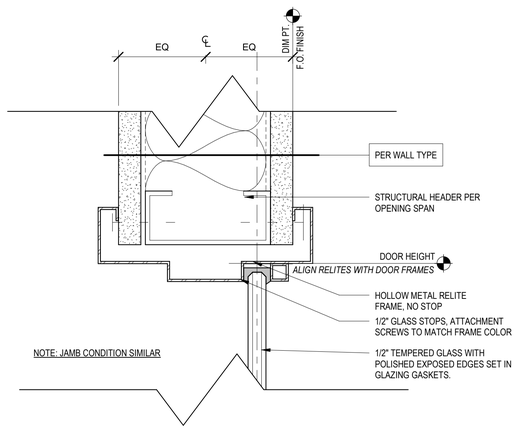
GENERAL NOTES - PROJECT SIGANGE

A. COORDINATE ALL SIGNAGE WITHIN THE PROJECT, INCLUDING CODE REQUIRED SIGNAGE, WITH EXISTING BUILDING SIGNAGE OR WITH CURRENT DISTRICT STANDARDS.

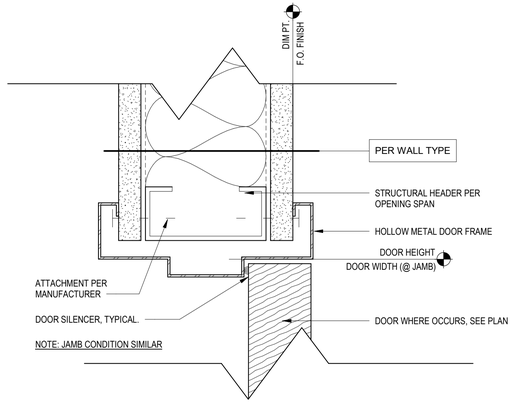
B. CODE REQUIRED SIGNAGE, SUCH AS STAIRWAY SIGNAGE AND ACCESSIBLE PARKING SIGNAGE, TO BE PROCURED AND INSTALLED BY THE GENERAL CONTRACTOR. PROVIDE DETAILED INFORMATION ON SIZE, FONT AND COLOR WITHIN A SUBMITTAL FOR ARCHITECT AND OWNER REVIEW.

C. ROOM SIGNAGE IS OWNER FURNISHED AND CONTRACTOR INSTALLED. COORDINATE EXTENTS AND LOCATION WITH OTHER WALL MOUNTED ITEMS. PROVIDE AN ALLOWANCE FOR THE PATCH AND REPAIR OF EXISTING WALLS WHERE EXISTING SIGANGE IS RELOCATED OR REPLACED.

(E) SIGNAGE - KINNAMAN ELEMENTARY - FOR REFERENCE ONLY



OPENING - HM RELITE @ HEAD/JAMB 2
6" = 1'-0"



OPENING - HEAD/JAMB - HOLLOW METAL 1
6" = 1'-0"

GENERAL NOTES - DOORS

A. REFER TO SHEET G001 FOR COMPLETE LIST OF GENERAL NOTES.

B. DIMENSIONS SHOWN FOR DOORS AND WINDOWS ARE TYPICALLY FINISHED OPENING DIMENSIONS. COORDINATE ROUGH OPENING DIMENSIONS PER MANUFACTURER RECOMMENDATIONS WITH SELECTED OPENING.

C. EXIT DOORS TO BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE OR FORCE.

D. THE MAIN EXIT TO DOOR TO HAVE SIGNAGE ABOVE THE DOOR READING "THIS DOOR TO REMAIN UNLOCKED WHEN BUILDING IS OCCUPIED."

E. ALL NEW DOORS TO BE SOLID WOOD, PAINT GRADE UNLESS NOTED OTHERWISE.

F. PROVIDE NEW ADA LEVER STYLE DOOR HARDWARE TO MATCH BUILDING STANDARD. *(SCHLAGE 'ND', SERIES, RHODES STYLE)*

G. ALL NEW FRAMES TO BE FULLY WELDED UNLESS NOTED OTHERWISE. *(CURRIES 16 GA.)*

H. PROVIDE TEMPERED GLAZING IN ALL DOORS AND RELITES UNLESS NOTED OTHERWISE.

I. REFER TO ELEVATIONS FOR DOOR AND FRAME PAINT FINISH WHERE PAINT IS USED.

MATERIAL LEGEND

(E)	EXISTING	**WD**	WOOD - SOLID CORE
GL	GLASS - TEMPERED	**HC**	WOOD - HOLLOW CORE
MDF	MDF - TRIM	**MTL**	METAL - SOLID CORE
MFR	MANUFACTURER'S FINISH	**STL - KD**	STEEL FRAME - KNOCKDOWN
PT	PAINT	**HM**	HOLLOW METAL FRAME
TS	TRANSPARENT STAIN	**ALUM**	ALUMINUM STOREFONT

HARDWARE GROUPS

BASIS OF DESIGN PRODUCTS: *CONTRACTOR TO SUBMIT COMPLETE HARDWARE GROUPS BASED ON BASIS OF DESIGN PRODUCTS AND HARDWARE DESIGN DIRECTION BELOW.*

ALL NEW HARDWARE TO BE SATIN CHROME (US26D), UNO.

DOOR FRAMES:	*CURRIES 16 GA FULLY WELDED - EQUAL RABBIT*
LEVER HARDWARE SETS:	*SCHLAGE ND SERIES VANDLGARD, "RHODES"*
CORES:	*SCHLAGE FULL SIZE INTERCHANGEABLE (FSIC) CYLINDERS*
HINGES:	*IES HW 4.5" X 4.5" NRP*
PANIC BARS:	*VON DUPRIN EL 99 OR XP99*
CLOSERS:	*LCN 4010 (INWARD SWING), LCN 4111 (OUTWARD SWING)*
STOPS:	*BHMA 626, IVES OR EQUAL*
KICK PLATE:	*STAINLESS STEEL, FULL WIDTH*

GROUP 1: **EXTERIOR STOREFRONT (PANIC HARDWARE)**
HINGES BY MANUFACTURER
PANIC HARDWARE
DOOR PULL
CLOSER
SILENCER
SWEEPS

CARD READER ACCESS - COORDINATE LOCATION OF CARD READER WITH OWNER PRIOR TO INSTALLATION.

GROUP 2: **OFFICE**
(3) PAIR BUTTS - 4 1/2"
LEVER SET - "CLASSROOM" TYPE
WALL STOP TYPICAL UNO.
SILENCER
KICK PLATE

PROVIDE PRIVACY BLINDS/WINDOW TREATMENT AT RELITE, TYP

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833 SE SALMON ST, SUITE 940, PORTLAND, OREGON 97214

REGISTERED ARCHITECT
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DOORS, FRAMES, HARDWARE SCHEDULE & TYPICAL OPENING DETAILS

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ABBREVIATIONS

AC	AIR CONDITIONING UNIT
AD	ACCESS DOOR
AFF	ABOVE FINISHED FLOOR
AH	AIR HANDLER (SPLIT REFRIG)
AHU	AIR HANDLING UNIT
AL	ACOUSTICAL LINING
AP	ACCESS PANEL
BB	ELECTRIC BASEBOARD RADIATION
B	BOILER
BDD	BACK DRAFT DAMPER
BFC	BELOW FINISHED CEILING
BOB	BOTTOM OF BEAM
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
C	CHILLER
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CHWP	CHILLED WATER PUMP
CHWR	CHILLED WATER RETURN
CHWS	CHILLED WATER SUPPLY
CO	CLEAN OUT
CP	CONDENSATE PUMP
CWR	CONDENSER WATER RETURN
CWS	CONDENSER WATER SUPPLY
CT	COOLING TOWER
CU	CONDENSING UNIT
CUH	CABINET UNIT HEATER
CVB	CONSTANT VOLUME BOX
CWP	CONDENSER WATER PUMP
DB	DRY BULB
DS	DUCT SILENCER
DWP	DOMESTIC WATER PUMP
EAT	ENTERING AIR TEMPERATURE
EC	ELECTRICAL CONTRACTOR
EF	EXHAUST FAN
EJ	EXPANSION JOINT
ER	EXHAUST REGISTER
ESP	EXTERNAL STATIC PRESSURE
ET	EXPANSION TANK
EWT	ENTERING WATER TEMPERATURE
EWC	ELECTRIC WATER COOLER
FA	FREE AREA
FX	FLEXIBLE CONNECTION
FC	FAN COIL UNIT
FD	FIRE DAMPER
FLR	FLOOR
FOB	FLAT ON BOTTOM
FOT	FLAT ON TOP
FOP	FUEL OIL PUMP
FP	FIRE PUMP
FPM	FEET PER MINUTE
FTR	FINNED TUBE RADIATION
GC	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HD	HAND DAMPER
HP	HEAT PUMP
HV	HEATING AND VENTILATING UNIT
HWC	HOT WATER CONVERTER
HWP	HOT WATER PUMP
HWR	HEATING HOT WATER RETURN
HWS	HEATING HOT WATER SUPPLY
HX	HEAT EXCHANGER
HZ	HERTZ
ID	INSIDE DIAMETER
LAT	LEAVING AIR TEMPERATURE
LWT	LEAVING WATER TEMPERATURE
LD	LINEAR DIFFUSER
LF	LINEAR FEET
MC	MECHANICAL CONTRACTOR
MTD	MOUNTED
MOD	MOTOR OPERATED DAMPER
MUA	MAKE-UP AIR UNIT
NC	NORMALLY CLOSED
NO	NORMALLY OPEN
NIC	NOT IN CONTRACT
NK	NECK
OA	OUTSIDE AIR
OAI	OUTSIDE AIR INTAKE
OAT	OUTSIDE AIR TEMPERATURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OBD	OPPOSED BLADE DAMPER
PBD	PARALLEL BLADE DAMPER
PRV	PRESSURE REDUCING VALVE
PTAC	PACKAGED TERMINAL AIR CONDITIONER
RA	RETURN AIR
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
RCP	REFLECTED CEILING PLAN
RHC	REHEAT COIL
RF	RETURN FAN
SA	SUPPLY AIR
SAR	SUPPLY AIR REGISTER
SCG	SMOKE CONTROL GRILLE
SD	SMOKE DAMPER
SEF	SMOKE EXHAUST FAN
SF	SUPPLY FAN
SP	STATIC PRESSURE
TG	TRANSFER GRILLE
TYP	TYPICAL
UH	UNIT HEATER
UON	UNLESS OTHERWISE NOTED
VAV	VARIABLE AIR VOLUME UNIT
VD	VOLUME DAMPER
VTR	VENT THRU ROOF
WB	WET BULB
WMS	WIRE MESH SCREEN

HVAC CONTROL SYMBOLS

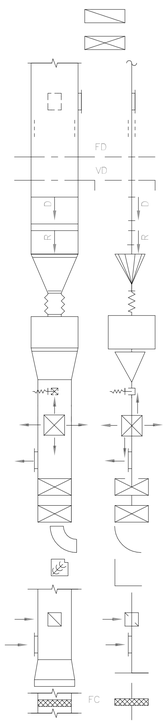
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	GATE VALVE	T	ROOM OR ZONE THERMOSTAT
	GLOBE VALVE	T	DUCT THERMOSTAT
	GAS COCK		THERMOMETER
S	SOLENOID VALVE		EXPANSION VALVE
	CONTROL VALVE , 2-WAY	DM	DAMPER MOTOR
PRV	PRESSURE REDUCING VALVE		DAMPER
	CHECK VALVE	M	MOTOR
	CENTRIFUGAL FAN		PLUG VALVE
F	FLOW SWITCH		PRESSURE GAGE
FS	FIRE SAFETY SWITCH	P	PRESSURE SWITCH
H	HUMIDISTAT, ROOM		PUMP
H	HUMIDISTAT, DUCT	R	RELAY
	BALL VALVE		PRESS./TEMP. RELIEF VALVE
	CONTROL VALVE , 3-WAY	SD	SMOKE DETECTOR
F	FLOW SWITCH		CONTROL WIRING
	STEAM TRAP		STATIC PRESSURE CONTROLLER

PIPING SYSTEM SYMBOLS

RL — REFRIGERANT LIQUID

RS — REFRIGERANT SUCTION

DUCTWORK SYMBOLS



SECTION THROUGH RETURN OR EXHAUST AIR

SECTION THROUGH SUPPLY OR OUTSIDE AIR DUCT

SUPPLY OR OUTSIDE AIR DUCT

ACCESS DOOR (BOTTOM OR SIDE)

ACOUSTICALLY LINED DUCT

DAMPER, FIRE

DAMPER, MANUAL VOLUME

INCLINED DROP IN DIRECTION OF ARROW

INCLINED RISE IN DIRECTION OF ARROW

TRANSITION, RECTANGULAR TO ROUND

FLEXIBLE DUCT

IN-LINE FAN

TRANSITION, RECTANGULAR

SPIN-IN COLLAR INTO ADAPTER ON TOP OF DUCT

CEILING SUPPLY AIR DIFFUSER (CD)

SIDEWALL SUPPLY GRILLE (SG)

ELBOW TURNED DOWN

ELBOW TURNED UP

ELBOW, RADIUS TYPE

ELBOW, SQUARE OR RECTANGULAR TYPE WITH AIRFOIL TURNING VANES

RETURN OR EXHAUST AIR DUCT

CEILING RETURN AIR GRILLE (CRG)

SIDEWALL RETURN AIR GRILLE (RG)

OPEN END DUCT

FLEXIBLE CONNECTION

DIFFUSER, REGISTER AND GRILLE SCHEDULE

SYMBOL	TYPE	FACE	FRAME	DAMPER	FINISH	BASIS OF DESIGN	NOTES
CD-1	CEILING DIFFUSER	LOUVER	LAY-IN	NONE	WHITE	TITUS TDC	-
CTG-1	CEILING TRANSFER GRILLE	PERFORATED	LAY-IN	NONE	WHITE	TITUS PAR	-

NOTES:

ELECTRIC WALL HEATER SCHEDULE

		BASIS OF DESIGN			ELECTRICAL					
SYMBOL	AREA SERVED	MFR	MODEL	TYPE	VOLTS	PH	HEAT KW	STAGES	MAX WT (LBS)	NOTES
EWH-1	OFFICE 121	QMARK	AWH	RECESSED	120	1	1.5	1	24	1

NOTES:

1 PROVIDE MOUNTING FRAME ACCESSORY AND INTEGRAL THERMOSTAT.

GENERAL MECHANICAL NOTES:

A. INSTALL EQUIPMENT TO PROVIDE SERVICE CLEARANCE AS RECOMMENDED BY THE MANUFACTURER, AND AS REQUIRED BY CODE AND LOCAL INSPECTOR. PROVIDE CLEAR LABELING OF FILTER PANELS TO VERIFY ADEQUATE ACCESS FOR MAINTENANCE.

B. TEST HVAC CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS TO ENSURE THEY ARE CALIBRATED, ADJUSTED AND OPERATE IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO ENSURE THEY OPERATE IN ACCORDANCE WITH THE APRPOVED PLANS AND SPECIFICATIONS. A COMPLETE REPORT OF THE TEST PROCEDURES AND RESULTS SHALL BE PREPARED AND FILED WITH THE OWNER PRIOR TO OCCUPANCY.

C. PROVIDE RECORD DRAWINGS OF ACTUAL INSTALLATION WITHIN 90 DAYS AFTER THE DATE OF SYSTEM ACCEPTANCE TO BUILDING OWNER. PROVIDE OPERATING AND MAINTENANCE MANUAL CONTAINING SUBMITTAL DATA AND OTHER INFORMATION REQUIRED BY SPECIFICATIONS AND ENERGY CODE.

D. COORDINATE FINAL LOCATION OF EQUIPMENT, DUCTS, DIFFUSERS, AND GRILLES WITH STRUCTURE, REFLECTED CEILING PLANS, AND THE LIGHTING LAYOUT PRIOR TO ROUGH-IN.

E. PROVIDE ROOF CURBS FOR EQUIPMENT REQUIRING A ROOF PENETRATION, AND PROVIDE EQUIPMENT SUPPORTS FOR ROOF MOUNTED EQUIPMENT NOT REQUIRING A PENETRATION. COORDINATE ROOF CURBS AND SUPPORTS WITH ROOFING SYSTEM, AND SEISMICALLY ATTACH EQUIPMENT TO CURB AND STRUCTURE.

F. PROVIDE VOLUME DAMPERS IN BRANCH DUCTS TO SUPPLY, EXHAUST, AND RETURN GRILLES, AND LOCATE DAMPERS AS CLOSE TO BRANCH CONNECTION AS POSSIBLE. PROVIDE CONCEALED DAMPER OPERATOR IN LOCATIONS WHERE DAMPER IS INACCESSIBLE.

G. ALL DUCTWORK TO BE MINIMUM 24 GAUGE SHEET METAL WHEN TRAVELLING BETWEEN RATED OCCUPANCY SEPARATIONS, AREA SEPARATIONS, OR OVER RATED EXIT CORRIDORS AND PASSAGEWAYS.

H. MOUNT ALL SENSORS, SWITCHES, AND THERMOSTATS PER ARCHITECTURAL DETAILS.

I. TRANSITION FROM DUCT SIZES SHOWN TO DIFFUSER NECK SIZES SHOWN A MINIMUM OF 2 FEET BEFORE OUTLET, OR INSTALL A DUCT THE SAME SIZE AS THE GRILLE NECK, AT CONTRACTOR'S OPTION.

J. ANCHOR ALL MECHANICAL UNITS IN EXCESS OF 400 LBS. TO STRUCTURE, AND PROVIDE THE DESIGN OF THIS ANCHORAGE AS A DEFERRED SUBMITTAL IN ACCORDANCE WITH THE DIVISION 23 SPECIFICATIONS. PROVIDE A SEISMIC BRACING DESIGN FOR ANY SUSPENDED APPLIANCE OR PIECE OF EQUIPMENT WEIGHING 20 LBS. OR MORE AS WELL. ALL DRAWINGS AND CALCULATIONS SUBMITTED FOR THIS WORK SHALL BE SEALED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF OREGON.

K. CONSTRUCT AND SEAL ALL DUCTWORK PER IMC REQUIREMENTS. ALL DUCTWORK ON THIS PROJECT FALLS UNDER THE LOW PRESSURE CLASSIFICATION.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

MECHANICAL SHEET LIST

HBX STUDIO
HBX-STUDIO.COM
833 SE SALMON ST, SUITE 360, PORTLAND, OREGON 97214

REGISTERED PROFESSIONAL ENGINEER
78068PE
OREGON
JANUARY 3, 2017
ANDREW CHARLES CRAIG

EXPIRES: 12-31-23

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Andrew Craig, P.E.
andrew@arris-consulting.com
503-757-2611

CLASSROOM WALLS PHASE 3 - KINNAMAN ELEMENTARY SCHOOL
4205 SW 198RD AVE
ALOHA, OR 97078

PERMIT SET

PROJECT: 21.005

DATE: 11/10/22

GENERAL NOTES AND ABBREVIATIONS

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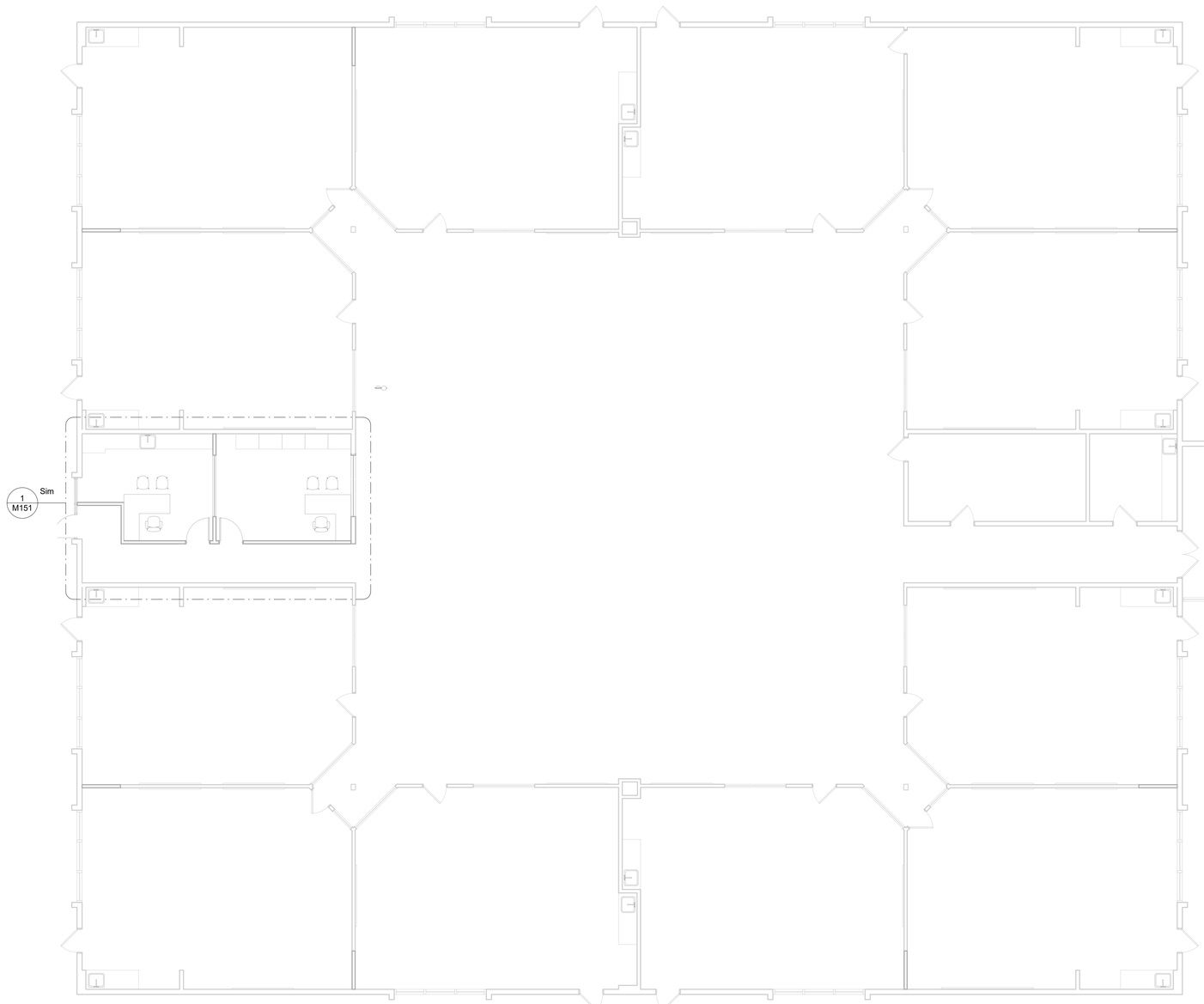
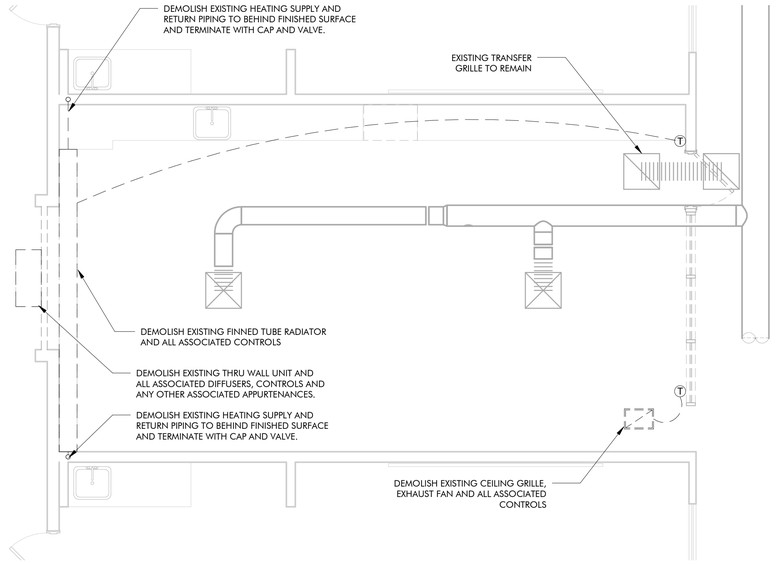
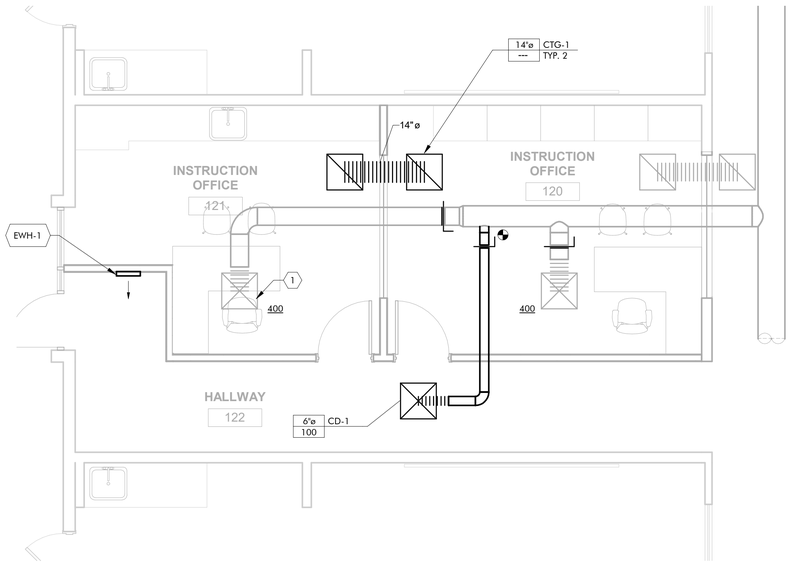


3 OVERALL FLOOR PLAN - HVAC
1/8" = 1'-0"



2 ENLARGED FLOOR DEMO PLAN - NEW CLASSROOMS - HVAC
1/4" = 1'-0"



1 ENLARGED FLOOR PLAN - NEW CLASSROOMS - HVAC
1/4" = 1'-0"

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PROJECT: 21.005
DATE: 11/10/22

ENLARGED FLOOR PLAN - NEW CLASSROOMS - HVAC

M151

ABBREVIATIONS

A	AMPERE (AMP)
AAF	ABOVE ACCESS FLOOR
ABF	AIRBLOWN FIBER
AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AMPS INTERRUPTING CURRENT
ALT	ALTERNATE
AN	ANALOG
ARCH	ARCHITECT / ARCHITECTURAL
ARM	ARMORED
ATS	AUTOMATIC TRANSFER SWITCH
AV	AUDIO VISUAL
AVC	AUDIO VISUAL CONTRACTOR
BC	BONDING CONDUCTOR
BDF	BUILDING DISTRIBUTION FACILITY
BMS	BUILDING MANAGEMENT SYSTEM
BOC	BOTTOM OF CONDUIT
BOCT	BOTTOM OF CABLE TRAY
C	CONDUIT
CATV	(CABLE TV) COMMUNITY ACCESS TELEVISION
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CF	CELLULAR FLOOR
CKT	CIRCUIT
CLG	CEILING
CO	CENTRAL OFFICE
CPE	CUSTOMER UNIVERSAL ENCLOSURE
CT	CURRENT TRANSFORMER
CU	COPPER
CUE	CONCRETE UNIVERSAL ENCLOSURE
DAS	DISTRIBUTED ANTENNA SYSTEM
dB	DECIBEL
DB	DUCT BANK
DML	DOUBLE MAIN LUGS
DN	DOWN
E	EAST
EQ	EQUAL DISTANT
EC	ELECTRICAL CONTRACTOR
EF	ENTRANCE FACILITY
EM	EMERGENCY
EMC	ELECTROMAGNETIC COMPATIBILITY
EMI	ELECTROMAGNETIC INTERFERER
EMT	ELECTRIC METALLIC TUBING
EPO	EMERGENCY POWER OFF
EP	ENTRANCE POINT
EP	EXPLOSION PROOF
ER	EQUIPMENT ROOM
FA	FIRE ALARM
FAA	FIRE ALARM ANNUNCIATOR
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FO	FIBER OPTIC
FSD	FIRE SMOKE DAMPER
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GHz	GIGAHERTZ
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
GRD	GROUND
GRS	GALVANIZED RIGID STEEL CONDUIT
HH	HANDHOLE
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HV	HIGH VOLTAGE
HZ	HERTZ
IBC	INTERNATIONAL BUILDING CODE
IDF	INTERMEDIATE BUILDING DISTRIBUTION FACILITY
IG	ISOLATE GROUND
IR	INTERRUPTING RATING
JB	JUNCTION BOX
KV	KILOVOLT
KVA	KILOVOLT AMP
KVAR	KILOVOLT AMPS REACTIVE
KW	KILOWATT
KWH	KILOWATT HOUR
LEC	LOCAL EXCHANGE CARRIER
LED	LIGHT EMITTING DIODE
LV	LOW VOLTAGE
MATV	MASTER ANTENNA TELEVISION
MCA	MINIMUM CIRCUIT AMPS
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MDF	MAIN BUILDING DISTRIBUTION FACILITY
MDP	MAIN DISTRIBUTION PANEL
MECH	MECHANICAL
MH	MAINTENANCE HOLE
MHz	MEGAHERTZ
MLO	MAIN LUGS ONLY
MTS	MANUAL TRANSFER SWITCH
N	NORTH
NAC	NOTIFICATION APPLIANCE CIRCUIT (FA)
NIC	NOT IN CONTRACT
OFCI	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR
OFE	OWNER FURNISHED EQUIPMENT
OFOI	FURNISHED AND INSTALLED BY OWNER
OSP	OUTSIDE PLANT
PA	PUBLIC ADDRESS
PB	PULL BOX
PE	PHOTOELECTRIC
PF	POWER FACTOR
PMV	PROJECT MANAGER VERIFICATION
PNL	PANELBOARD
PON	PASSIVE OPTICAL NETWORK
PPL	POLYVINYL CHLORIDE CONDUIT
PVC	PACIFICORP
PWR	POWER
R/W	RIGHT OF WAY
RAD	RADIUS
RG	RADIO GRADE
S	SOUTH
SAA	SECUIRTY ALARM ANNUNCIATOR
SACP	SECURITY ACCESS CONTROL PANEL
SDP	SUBDISTRIBUTION PANEL
SMB	SURFACE MOUNT BOX
SPD	SURGE PROTECTION DEVICE
ST	SHUNT TRIP
STS	STATIC TRANSFER SWITCH
SW	SWITCH
TBB	TELECOM BONDING BACKBONE
TBC	TELECOM BONDING CONDUCTOR
TBD	TO BE DETERMINED
TE	TELECOM ENCLOSURE
TGB	TELECOM GROUNDING BUSBAR
TL	THRU LUGS
TMGB	TELECOM MAIN GROUNDING BUSBAR
TO	TELECOM OUTLET
TP	TAMPERPROOF
TR	TELECOM ROOM
TTB	TELEPHONE TERMINAL BOARD
TTC	TELEPHONE TERMINAL CABINET
TV	TELEVISION / DIGITAL DISPLAY
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
TYP	TYPICAL
U	USB
UC	UNDER COUNTER
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLTAGE
VA	VOLT AMPERES
VP	VAPORPROOF
W	WATTS OR WEST
WAO	WORK AREA OUTLET
WAP	WIRELESS ACCESS POINT
WP	WEATHERPROOF
XFMR	TRANSFORMER
XFSW	TRANSFORMER SWITCH

*REFER TO DISCIPLINE SYMBOL LISTS FOR MORE ABBREVIATIONS

GENERAL SYMBOLS

XXXX (123) EQUIPMENT DESIGNATOR - SEE SCHEDULE.

(E) EXISTING TO REMAIN

(X) EXISTING TO BE REMOVED

(R) EXISTING TO BE RELOCATED

(N) NEW

(#) KEYED NOTE

NOTE

THIS IS A STANDARD LEGEND SHEET, THEREFORE, SOME SYMBOLS MAY APPEAR ON THIS SHEET THAT DO NOT APPEAR ON THE DRAWINGS.

WORK RESPONSIBILITY

ALL WORK SHALL BE COORDINATED WITH ALL TRADES INVOLVED. OFFSETS IN CONDUIT, DEVICES, BOXES, CONDUCTORS, AND TRANSITIONS AROUND OBSTRUCTIONS WHETHER SHOWN ON DRAWINGS OR NOT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

GENERAL NOTES (APPLIES TO ALL DRAWINGS)

A. WHERE EXACT DIMENSIONS ARE NOT CALLED FOR, DO NOT SCALE DRAWINGS TO DETERMINE LOCATION OF EQUIPMENT, JUNCTION BOXES, OUTLET BOXES, WIRE WAYS, PANELS, ETC. SEE ARCH FOR EXACT DIMENSIONS.

B. CONDUIT RUNS SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS. THE EXACT PATH OF THE CONDUIT IS TO BE DETERMINED BY THE CONTRACTOR. THERE SHALL BE A MINIMUM OF ONE PULL BOX FOR EVERY 100 FEET OF STRAIGHT EMPTY CONDUIT AND A PULL BOX FOR MORE THAN TWO 90 DEGREE BENDS IN A CONDUIT RUN. ALL CONDUIT SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND FURNISHED WITH PULL WIRES.

C. POWER CIRCUITS FOR THE AUDIOVISUAL SYSTEMS MUST BE ON THE SAME TRANSFORMER PHASE, BUT NOT ON THE SAME PHASE AS ANY COMPRESSORS, MOTORS, OR LIGHTING DIMMING SYSTEMS.

D. ALL EQUIPMENT MUST BE COMPLETELY BONDED TO A TRUE EARTH COMMON GROUND OR VERIFY GROUNDING REQUIREMENTS WITH ELECTRICAL EQUIVALENT FOR PROPER OPERATION.

E. FOR TELECOM OUTLETS WITH 1-6 CABLES, PROVIDE 1"C. TO DOUBLE-GANG DEEP BOX WITH SINGLE-GANG MUD RING AND 2, 4 OR 6 PORT FACEPLATE AS REQUIRED.

F. FOR TELECOM OUTLETS WITH 7-12 CABLES, PROVIDE TWO (2) 1"C. TO DOUBLE-GANG DEEP BOX WITH DOUBLE-GANG MUD RING AND TWO (2) 2, 4 OR 6 PORT FACEPLATES AS REQUIRED.

G. FOR ALL DATA OUTLETS AND CAMERAS, PROVIDE CATEGORY 6 CABLE AND JACKS. FOR ALL WIRELESS ACCESS POINTS (WAPs), PROVIDE (2) CATEGORY 6A CABLES AND JACKS.

POWER SYMBOLS

- WALL RECEPTACLE: DUPLEX, 4-PLEX
- FLOOR RECEPTACLE: DUPLEX, 4-PLEX
- CEILING RECEPTACLE: DUPLEX, 4-PLEX
- #" — WALL RECEPTACLE: MOUNTING HEIGHT
- SPECIAL RECEPTACLE: WALL
- JUNCTION BOX: WALL, FLOOR, CEILING
- SURFACE OUTLET STRIP: DIMENSIONS AS SHOWN
- F — DISCONNECT SWITCH: FUSED, CIRCUIT BREAKER
- MOTOR CONNECTION
- A8-1, — PANEL & CIRCUIT NUMBER
- DENOTES DUPLEX RECEPTACLE ON DROP CORD
- PUSHBUTTON: WALL
- ADA DOOR ASSIST BUTTON: WALL
- WIRE CONCEALED IN FLOOR OR UNDERGROUND
- RACEWAY AND CONDUCTORS REMOVED AS PART OF DEMOLITION
- CONDUIT ELL: UP, DN
- ELECTRICAL DUCT BANK
- GROUND ROD, 10' LONG, 5/8" DIAMETER, COPPER. BOND TO LOCAL CIRCUIT GROUND CONDUCTOR
- ELECTRICAL DISTRIBUTION CABINET
- ELECTRICAL DISTRIBUTION PANEL: SURFACE, RECESSED
- T — ELECTRICAL TRANSFORMER

ONE-LINE SYMBOLS

- CONDUCTORS & CONDUIT
- XXXX — CONDUCTORS & CONDUIT TO BE REMOVED
- CIRCUIT BREAKER, MOLDED CASE SWITCH
- BUS
- ATS
- M — METER
- PANEL
- MAIN GROUNDING BAR
- CONNECTION TO GROUND
- TRANSFORMER

LIGHTING SYMBOLS

- PE — PHOTOCELL: CEILING, WALL MOUNTED
- OS — DUAL TECHNOLOGY, OCCUPANCY SENSOR: CEILING MOUNTED, WALL MOUNTED
- VS — DUAL TECHNOLOGY, VACANCY SENSOR: CEILING MOUNTED, WALL MOUNTED
- HA 1. / a — HA = LUMINAIRE TYPE DESIGNATION; 1. = CIRCUIT NUMBER; a = SWITCH DESIGNATION
- $X — SINGLE GANG, STRAP MOUNTED CONTROL STATION. LIGHT SWITCH: OS = OCCUPANCY SENSOR, K = KEYED, 3 = 3-WAY LOW VOLTAGE DIMMER / PRESET CONTROL: D TIMER SWITCH: T
- BUG EYE EXIT SIGN WITH INTERGRAL BATTERY, 90 MINUTE RUN TIME: CEILING, WALL MOUNTED

TELECOMMUNICATIONS SYMBOLS

- DATA OUTLET: WALL, CEILING, FLOOR
- # — DATA OUTLET: CABLE/JACK QUANTITY (x2 U.O.N.)
- #" — DATA OUTLET: MOUNTING HEIGHT
- WP — DATA OUTLET: WALL PHONE (x1 CABLE/JACK)
- ALS — ASSISTIVE LEARNING SYSTEM
- ANALOG CLOCK: WALL, CEILING
- M — MASTER CLOCK: CEILING
- S IP — COMBINATION IP SPEAKER/IP CLOCK (ANALOG FACE)
- DIGITAL CLOCK: WALL, CEILING
- (E) — WIRELESS ACCESS POINT: WALL, CEILING. E = EXISTING
- S ALS — ASSISTIVE LEARNING SYSTEM SPEAKER: CEILING
- S AN — ANALOG SPEAKER: WALL, CEILING
- S IP — IP SPEAKER: WALL, CEILING
- SPEAKER-HORN: WALL, CEILING
- S AN — ANALOG SPEAKER-HORN: WALL, CEILING, WP
- 2-WAY/ARA COMMUNICATION STATION: WALL
  M: MASTER STATION
  PS: POWER SUPPLY
- A/V — A/V OUTLET: WALL, FLOOR, CEILING
- CONT A/V — ASSISTIVE LEARNING SYSTEM: CONTROLLER
- I/O A/V — ASSISTIVE LEARNING SYSTEM: INPUT / OUTPUT
- CATV — CATV OUTLET: WALL, CEILING
- IC — INTERCOM STATION: WALL
- IV — INTERCOM & VIDEO STATION: WALL
- IC/IV MAN — INTERCOM MASTER STATION: WALL
  MAN: MASTER ANALOG
  MIP: MASTER IP
- WIRELESS CLOCK SIGNAL DISTRIBUTION ANTENNA: WALL
- ANALOG TELEPHONE OUTLET: WALL

TELECOM PATHWAYS AND ENCLOSURES SYMBOLS

- CONDUIT
- UNDERGROUND CONDUIT
- AERIAL
- SPLICE
- MH — MAINTENANCE HOLE
- VAULT (SUBSCRIPT +-)
- POLES
- RACK (2 POST)
- RACK (4 POST)
- CABINET: SURFACE, RECESSED
- PB — PULL BOX
- V — TELECOM UNDERGROUND VAULT
- FSD — CABLE PATHWAY FIRESTOPPING DEVICE
- CABLE TRAY: CENTER SUPPORT, OUTER SUPPORTS
- TELECOM GROUND BUS
- T — TELEPHONE BACKBOARD.

SECURITY SYMBOLS

- CR — CARD KEY READER STATION: WALL
- MD — MOTION DETECTOR: WALL, CEILING
- P DA — DOOR ASSIST: WALL
  P: PANIC
- KP — IDS KEYPAD: WALL
- ACP — DOOR HARDWARE: WALL
  ACP: ACCESS CONTROL PANEL
  DC: DOOR CONTACT
  DO: DOOR OPERATOR
  DH: DOOR HOLD OPEN
  DRP: DOOR RELEASE PANEL
  EC: ELECTRIC CYLINDRICAL LOCK SET
  EPT: ELECTRONIC POWER TRANSFER
  ES: ELECTRIC STRIKE
  IL: INTEGRATED LOCK
  LA: LOCAL ALARM
  LS: LATCH RETRACTION
  REX: REQUEST TO EXIT SENSOR
  RX: REQUEST TO EXIT SWITCH
- DOME SECURITY CAMERA: WALL, CEILING
- SINGLE LENS
- SINGLE LENS 180°
- SINGLE LENS 360°
- SINGLE LENS PTZ
- DOUBLE LENS
- QUAD LENS

*SEE DOOR HARDWARE SCHEDULE AND ASSOCIATED DETAILS FOR ADDITIONAL SYMBOLS AND ABBREVIATIONS

FIRE ALARM SYMBOLS

- F — MANUAL PULL STATION: WALL
- F — BELL: WALL
- STROBE: WALL, CEILING
- SPEAKER-STROBE: WALL, CEILING
- S — PHOTOELECTRIC SMOKE DETECTOR: WALL, CEILING
  PR: RELAY BASE
  PIB: ISOLATION BASE
  PT: HEAT DETECTOR
- BEAM SMOKE DETECTOR
- ARM — ADDRESSABLE MODULE: WALL, CEILING
  ARM: ADDRESSABLE RELAY MODULE
  AIM: ADDRESSABLE INPUT MODULE (SINGLE)
  AMM: ADDRESSABLE MINI INPUT MODULE
  ADM: ADDRESSABLE DUAL INPUT MODULE
  ANM: ADDRESSABLE NOTIFICATION MODULE
  AIO 1X1: ADRESSABLE INPUT/OUTPUT MODULE, 1 INPUT x 1 RELAY
  AIO 2X2: ADRESSABLE INPUT/OUTPUT MODULE, 2 INPUT x 2 RELAY
- WF — SWITCH: WALL, CEILING
  WF: WET SYSTEM
  PA: PREACTION SYSTEM
  VS: VALVE SUPERVISORY SWITCH
  PIV: POST INDICATOR VALVE
  LA: LOW AIR SWITCH
  HA: HIGH AIR SWITCH
  PR: PUMP RUNNING SIGNAL
  PT: PUMP TROUBLE SIGNAL
  REV: REVERSAL SIGNAL
  LT: LOW AIR TEMP
  LW: LOW WATER LEVEL
  DH: MAGNETIC DOOR HOLD
- FACU — FIRE ALARM CONTROL UNIT
- NPS — NOTIFICATION POWER SUPPLY
- FAA — REMOTE ANNUNCIATOR
- LOC — LOCAL OPERATOR CONSOLE
- AMP — EVAC AMPLIFIER
- FATC — FIRE ALARM TERMINAL CABINET
- ELEV — ELEVATOR CONTROL MUDLE
- SPRK — SPRINKLER CONTROL MODULE
- FAC — FIRE ALARM CONTROL PANEL
- AES — WIRELESS MESH RADIO NETWORK
- DOC — DOCUMENT STORAGE BOX

Sheet List

Sheet Number	Sheet Name
E001	LEGEND AND ABBREVIATIONS - ELECTRICAL
E152	ENLARGED FLOOR PLAN - BUILDING 1 - LIGHTING
E301	ENLARGED PLANS - READING ROOM - ELECTRICAL

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CLASSROOM WALLS PHASE 3 - KINNAMAN ELEMENTARY SCHOOL
4205 SW 193RD AVE
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80% CD

PROJECT: 21005.05
DATE: 10/21/2022

LEGEND AND ABBREVIATIONS - ELECTRICAL

E001

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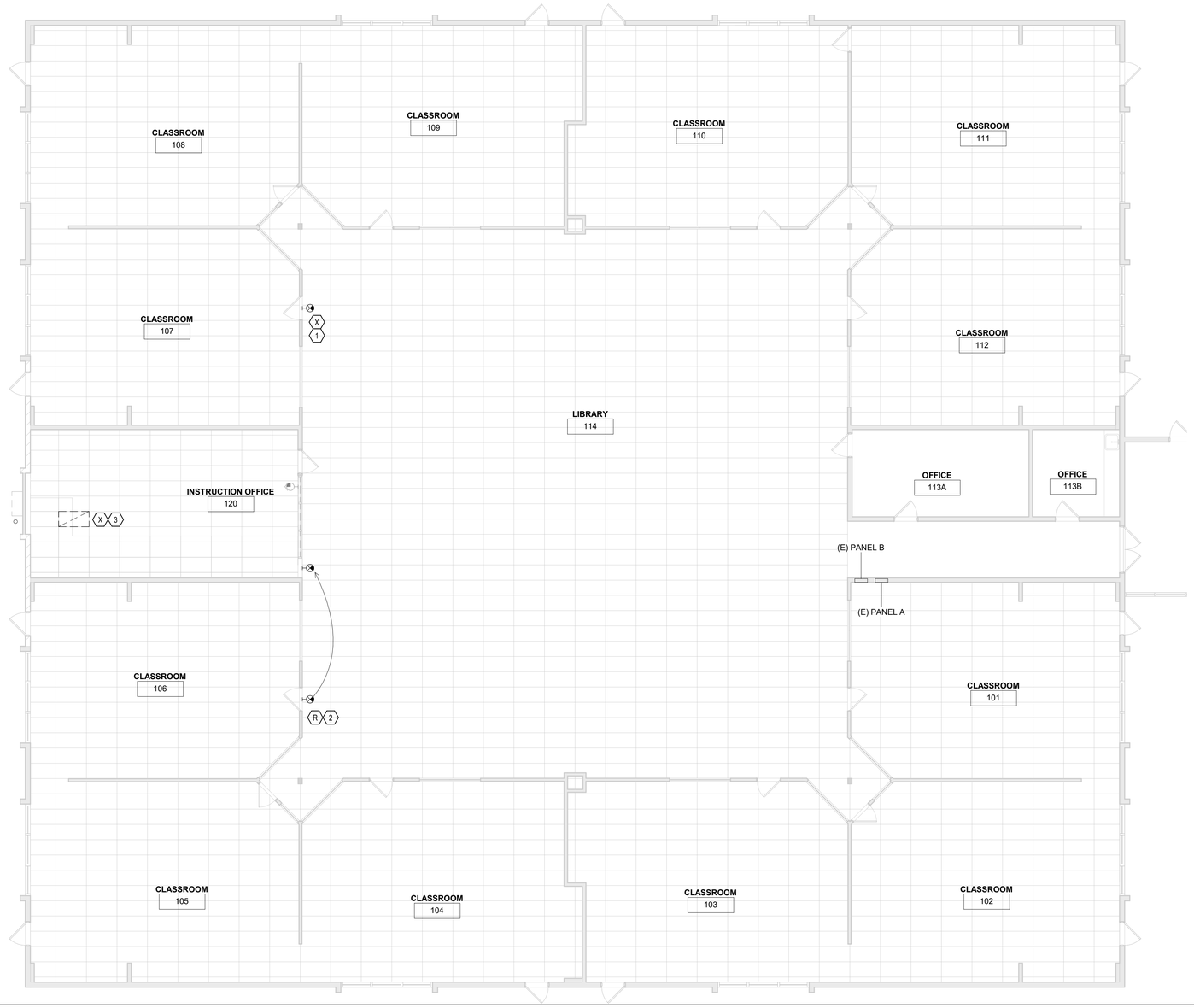

ENLARGED REFLECTED CEILING PLAN - EXISTING/DEMO CLASSROOMS - LIGHTING 1

1/8" = 1'-0"

KEYED NOTES

1. DE-ENERGIZE DISCONNECT AND REMOVE EXISTING EXIT SIGNS. CLEAN FIXTURE AND TURN OVER TO OWNERS REPRESENTENTIVE FOR SHELF INVENTORY AND USE IT AT LATER TIME.
2. DE-ENERGIZE, DISCONNECT, AND RELOCATE EXISTING EXIT SIGN TO NEW LOCATION ABOVE NEW EXIT DISCHARGE CORRIDOR DOOR. CLEAN FIXTURE PRIOR TO INSTALLATION INTERCEPT AND EXTEND CIRCUITRY.
3. DE-ENERGIZE DISCONNECT AND REMOVE EXISTING LIGHTING FIXTURE. CLEAN FIXTURE AND TURN OVER TO OWNERS REPRESENTENTIVE FOR SHELF INVENTORY AND USE IT AT LATER TIME.

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ENLARGED FLOOR PLAN - BUILDING 1 - LIGHTING

E152

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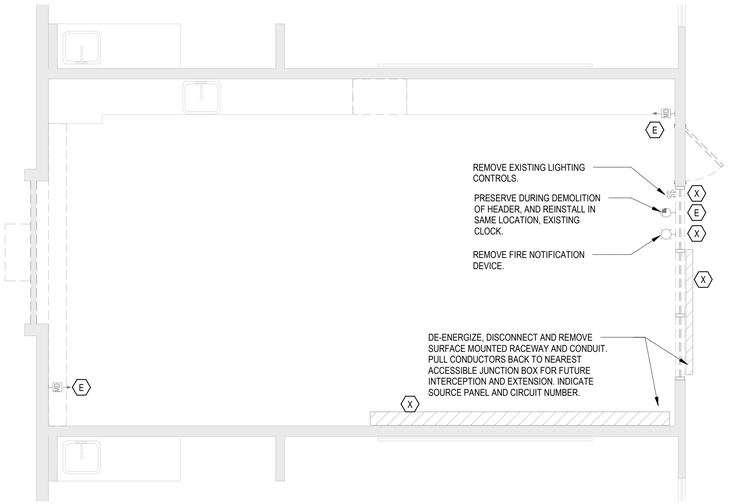
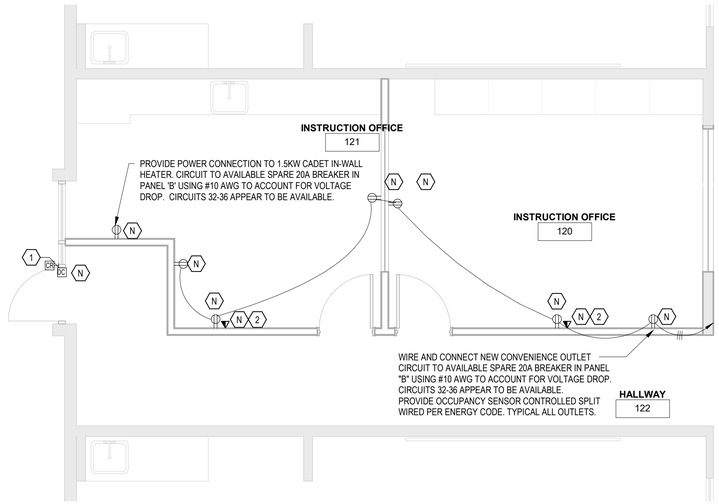


READING ROOM - DEMOLITION PLAN - ELECTRICAL 3

1/4" = 1'-0"

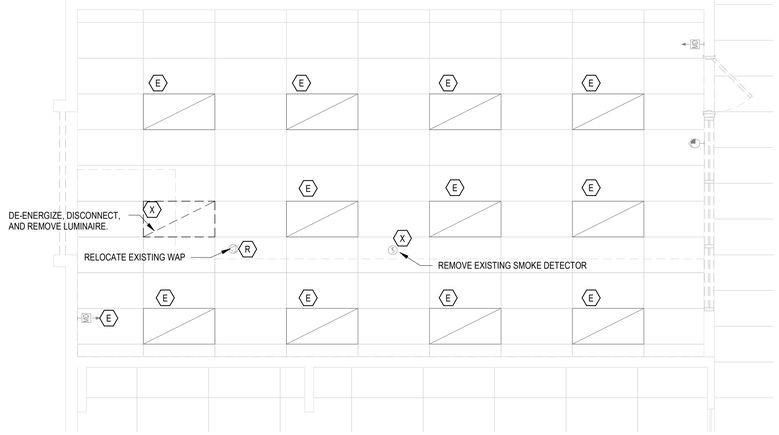


ENLARGED FLOOR PLAN - READING ROOM - ELECTRICAL 1

1/4" = 1'-0"

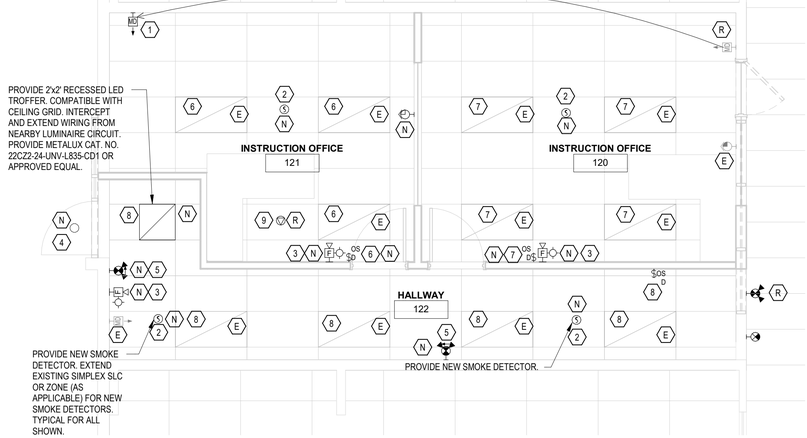
KEYED NOTES - DETAIL 1

1. PROVIDE INTERFACE TO EXISTING ACCESS CONTROL SYSTEM FOR SINGLE-LEAF ACCESS CONTROL DOOR CONSISTING OF THE FOLLOWING:
   - A. X1 HID MULLION STYLE CARD READER (MATCH EXISTING READER FORMAT)
   - B. X1 LATCH RETRACTION EXIT DEVICE WITH RX FUNCTION (MATCH DISTRICT HARDWARE STANDARD AND PROVIDE MOLEX CONNECTED CABLE SYSTEM WITH EPT - PROVIDED BY DOOR HARDWARE SUPPLIER). BOD BOSCH DS160.
   - C. X1 PROVIDE POWER SOURCE FOR DOOR LOCK POWER CONTROLLED BY ACS. POWER SUPPLY NEEDS TO CENTRALLY LOCATED WITH THE OTHER ONES THAT ALREADY EXIST IN THE SITE
   - D. X1 PROVIDE DPDT DOOR CONTACT - WIRE RELAY #1 TO ACS AND RELAY #2 TO IDS. BOD BOSCH ISN-CTC75.
2. PROVIDE DATA OUTLET, FLUSH MOUNTED FACEPLATE CONTAINING TWO RJ45, ONE RJ45 NEEDS TO ORANGE AND THE OTHER IVORY W/ SS FACE PLATE. CAT 6, 8-PIN MODULAR JACK WIRED IN A T568 PINOUT. TERMINATE ON PATCH PANEL AT NEAREST DATA DISTRIBUTION ROOM.



READING ROOM - DEMOLITION RCP - ELECTRICAL 4

1/4" = 1'-0"



ENLARGED REFLECTED CEILING PLAN - READING ROOM - ELECTRICAL 2

1/4" = 1'-0"

KEYED NOTES - DETAIL 2

1. DE-ENERGIZE, DISCONNECT, AND RELOCATE MOTION DETECTOR TO NEW LOCATION. CLEAN THIS DEVICE PRIOR TO INSTALLATION INTERCEPT AND EXTEND CIRCUITARY .
2. EXTEND EXISTING SIMPLEX SLC OR ZONE (AS APPLICABLE) FOR NEW SMOKE DETECTORS. TYPICAL FOR ALL SHOWN.
3. EXTEND EXISTING SIMPLEX NOTIFICATION APPLIANCE CIRCUITS (EITHER HORN/STROBE OR SPEAKER/STROBE AS CURRENTLY INSTALLED). TYPICAL FOR ALL SHOWN.
4. PROVIDE 6" ROUND WET AND UL LISTED, 120V, 1PH, 2000LUMEN, 3500K SURFACE MOUNTED LED FIXTURE. SURFACE MOUNT AND ROUTE CONDUIT THROUGH SOFFIT. REFER TO 4/A300 FOR SOFFIT DETAILS. PROVIDE WITH BLACK FINISH. PROVIDE WITH EXTERNALLY MOUNTED EMERGENCY BATTERY WITH 90-MINUTE RUNTIME, ACTIVATED UPON LOSS OF NORMAL POWER. WIRE AND CONNECT TO EXISTING NEARBY LIGHTING CIRCUIT.
5. PROVIDE BUG-EYE STYLE EMERGENCY EGRESS LIGHT & EXIT SIGN WITH INTERNAL 90-MINUTE BATTERY.
6. REZONE LIGHTING FIXTURES WITH THIS KEYNOTE TO BE CONTROLLED BY DUAL TECH OCCUPANCY SENSOR SWITCH WITH THIS KEYNOTE.
7. REZONE LIGHTING FIXTURES WITH THIS KEYNOTE TO BE CONTROLLED BY DUAL TECH OCCUPANCY SENSOR SWITCH WITH THIS KEYNOTE.
8. REZONE LIGHTING FIXTURES WITH THIS KEYNOTE TO BE CONTROLLED BY DUAL TECH OCCUPANCY SENSOR SWITCH WITH THIS KEYNOTE.
9. PROVIDE NEW CEILING MOUNTED DATA OUTLET AND RELOCATE EXISTING CEILING MOUNTED WAP TO THIS LOCATION.

SPACE RESERVED FOR AUTHORITY HAVING JURISDICTION

GENERAL NOTES

- A ALL CIRCUITS ARE TO BE DE-ENERGIZED PRIOR TO COMMENCING WORK.
- B CONTRACTOR TO CONFIRM SOURCE PANELS AND LINE TRACE CIRCUITS TO DETERMINE BREAKER SPACE.
- C INSPECT PHYSICAL CONDITION OF ALL WIRING INTENDED FOR INTERCEPTION AND EXTENSION.
- D PERFORM MEGGER/RESISTANCE TESTING AND NOTIFY ENGINEER OF DEFICIENCIES FOUND.
- E REFER TO AS-BUILT DOCUMENTATION FOR EXISTING SINGLE-LINE DIAGRAMS AND DEVICE LAYOUTS, ALTHOUGH THE CONTRACTOR SHALL DETERMINE EXACT LOCATION OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO COMMENCING WORK AND COMPENSATE OWNER FOR DAMAGES CAUSED BY FAILURE TO LOCATE OR PRESERVE UTILITIES.
- F FOR ITEMS TO BE DEMOLISHED, REMOVE WIRING, DEVICES, AND CONDUIT COMPLETE, DO NOT ABANDON IN PLACE UNLESS OTHERWISE NOTED. CONDUIT CAST IN-SLAB IS TO BE CUT-OFF BELOW GRADE AND ABANDONED.
- G DE-ENERGIZE, DISCONNECT, AND REMOVE ALL EXISTING ELECTRICAL INFRASTRUCTURE IN AREAS UNAFFECTED BY PROJECT DEMO.
- H RETAIN EXISTING ELECTRICAL RACEWAYS IDENTIFIED FOR INTERCEPTION AND EXTENSION IN AREAS UNAFFECTED BY DEMOLITION.
- I PERFORM INSTALLATION IN ACCORDANCE WITH THE CODES OF RECORD AND APPLICABLE DOE ORDERS, NATIONAL ELECTRICAL CODE (NEC), AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA). I.PERFORM INSTALLATION IN ACCORDANCE WITH THE CODES OF RECORD AND APPLICABLE DOE ORDERS, NATIONAL ELECTRICAL CODE (NEC), AND THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA).
- J ELECTRICAL DRAWINGS ARE CONSIDERED DIAGRAMMATIC AND INDICATE GENERAL ARRANGEMENT OF WORK AND SYSTEMS. COORDINATE ROUGH-IN REQUIREMENTS AND INSTALLATION REQUIREMENTS WITH OTHER TRADES.
- K PERFORM WORK FOR REMOVAL AND DISPOSAL OF EQUIPMENT AND MATERIALS CONTAINING TOXIC SUBSTANCES REGULATED UNDER THE FEDERAL TOXIC SUBSTANCES CONTROL ACT (TSCA) IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS. APPLICABLE EQUIPMENT AND MATERIALS INCLUDE, BUT ARE NOT LIMITED TO:
  1. PCB-CONTAINING ELECTRICAL EQUIPMENT, INCLUDING TRANSFORMERS, CAPACITORS, AND SWITCHES.
  2. PCB- AND DEHP-CONTAINING LIGHTING BALLASTS.
  3. MERCURY-CONTAINING LAMPS AND TUBES, INCLUDING FLUORESCENT LAMPS, HIGH INTENSITY DISCHARGE (HID), ARC LAMPS, ULTRA-VIOLET, HIGH PRESSURE SODIUM, MERCURY VAPOR, IGNITRON TUBES, NEON, AND INCANDESCENT.
- L REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
- M REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY.
- N REMOVE EXPOSED ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOORS, AND PATCH SURFACES.
- O DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVED. PROVIDE BLANK COVER FOR ABANDONED OUTLETS THAT ARE NOT REMOVED.
- P DISCONNECT AND REMOVE ELECTRICAL DEVICES AND EQUIPMENT SERVING UTILIZATION EQUIPMENT THAT HAS BEEN REMOVED.
- Q REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK.
- R MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS THAT REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.
- S REMOVE AND RESTORE WIRING WHICH SERVES USABLE OUTLETS CLEAR OF CONSTRUCTION OR DEMOLITION.
- T MATCH ACCESS CONTROL SYSTEM (ACS) WITH EXISTING CURRENTLY INSTALLED.
- U MATCH INTRUSION DETECTION SYSTEM (IDS) WITH EXISTING CURRENTLY INSTALLED.

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PROJECT: 21005.05
DATE: 10/21/2022

ENLARGED PLANS - READING ROOM - ELECTRICAL

E301

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