

PROJECT

PROJECT ADDRESS:
8001 Bloomington Freeway
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GN Resound

PROJECT TEAM

TENANT:	MANAGEMENT:	PROJECT ARCHITECT / DESIGNER:	GENERAL CONTRACTOR:
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GENERAL NOTES

THIS SHEET IS PART OF AN ENTIRE SET OF CONSTRUCTION DOCUMENTS. (SEE SCHEDULE OF DRAWINGS). THE GENERAL CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION BETWEEN SUBCONTRACTORS BASED ON THE ENTIRE SET OF DOCUMENTS. THE INTENT OF THESE DRAWINGS IS AS A DESIGN/BUILD SET AND THE SPECIFIC SUBCONTRACTORS SHALL ATTACH THEIR DESIGN DRAWINGS TO THIS SET FOR APPROVAL. IN CASE OF INCONSISTENCIES OR DISCREPANCIES BETWEEN DRAWINGS THE MOST STRINGENT NOTE OR CONDITION SHALL APPLY AND THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF SUCH DISCREPANCIES.

IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO FIELD VERIFY EXISTING SITE CONDITIONS AND DIMENSIONS PRIOR TO STARTING CONSTRUCTION. CONDITIONS SHOWN ON THESE DOCUMENTS ARE BASED ON THE BEST AVAILABLE INFORMATION AND DOES NOT INCLUDE ANY HIDDEN OR UNFORESEEN CONDITIONS.

GENERAL CONTRACTOR SHALL KEEP ALL HANDBOOKS, PAPERWORK AND KEYS IN A MARKED ENVELOPE! THIS ENVELOPE SHALL BE TURNED OVER TO THE OWNER WITH THE CERTIFICATE OF OCCUPANCY (IF REQUIRED), LIEN WAIVERS, WARRANTIES, GUARANTEES AND EQUIPMENT OPERATION MANUALS.

GENERAL CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A CURRENT SET OF CONSTRUCTION DOCUMENTS ON SITE DURING CONSTRUCTION. THE GENERAL CONTRACTOR SHALL INDICATE ON THESE PLANS ALL APPROVED CHANGES TO THE WORK DESCRIBED ON THESE DRAWINGS. THIS SHALL BE TURNED OVER TO THE OWNER WHEN PROJECT IS COMPLETED.

IF ANY ERRORS, DISCREPANCIES OR OMISSIONS APPEAR ON THESE DRAWINGS, SPECIFICATIONS OR OTHER CONTRACT DOCUMENTS THE TENANT'S CONTRACTOR SHALL NOTIFY THE TENANT'S PROJECT ARCHITECT IMMEDIATELY. FAILURE TO GIVE NOTICE WILL CAUSE THE TENANT'S CONTRACTOR TO BE HELD RESPONSIBLE FOR THE RESULTS OF SUCH ERRORS, DISCREPANCIES OR OMISSIONS AND THE COST OF RECTIFYING THE SAME.

NO MATERIAL SUBSTITUTIONS WILL BE ALLOWED UNLESS SUBMITTED IN WRITING TO THE ARCHITECT AND BUILDING OWNERS OR PROJECT MANAGER'S DESIGNATED REPRESENTATIVE FOR PRIOR APPROVAL.

NOTIFICATION OF INTENT TO MAKE SUBSTITUTIONS MUST BE SUBMITTED WITHIN 5 WORKING DAYS OF CONTRACT AWARD.

ALL MATERIALS AND PRODUCTS USED SHALL MATCH BUILDING STANDARDS (OR BEST PRACTICE) AS REQUIRED BY BUILDING MANAGEMENT.

REFER TO CONTRACTOR/LANDLORD RESPONSIBILITY SCHEDULE FOR WORK RESPONSIBILITIES. SCHEDULE HAS PRECEDENCE OVER DRAWINGS AND SPECIFICATIONS.

GENERAL CONTRACTOR TO CHECK IN AND VERIFY ALL SHIPMENTS OF OWNER FURNISHED MATERIALS. THIS INCLUDES VERIFYING PURCHASE ORDERS AGAINST PACKING LISTS AND THEN NOTIFYING TENANT OF ALL BACK ORDERS OR SHORTAGES. IF THIS IS NOT DONE THE GENERAL CONTRACTOR WILL BEAR ALL COSTS OF ANY EXPEDITED FREIGHT CHARGES TO MEET THE CONSTRUCTION SCHEDULE.

GENERAL CONTRACTOR AND SUBCONTRACTORS WILL BE FULLY RESPONSIBLE FOR ANY WORK DONE AT THE REQUEST OF THE THIRD PARTIES OUTSIDE OF THE PREMISES WITHOUT WRITTEN APPROVAL BY THE TENANT OR ARCHITECT.

ALL MODIFICATIONS TO EXISTING STRUCTURAL COMPONENTS SHALL INCLUDE RE-FIREPROOFING OF PRIMARY STRUCTURAL MEMBERS TO FIRE RESISTANCE OF THREE HOURS, AND SECONDARY MEMBERS WHICH DO NOT FRAME INTO COLUMNS TO FIRE RESISTANCE OF TWO HOURS.

WORK WHICH CREATES EXCESSIVE NOISE OR DISRUPTION TO TENANTS SHALL BE PERFORMED DURING NON-BUSINESS HOURS ONLY. CONTRACTOR TO COORDINATE WITH BUILDING MANAGEMENT.

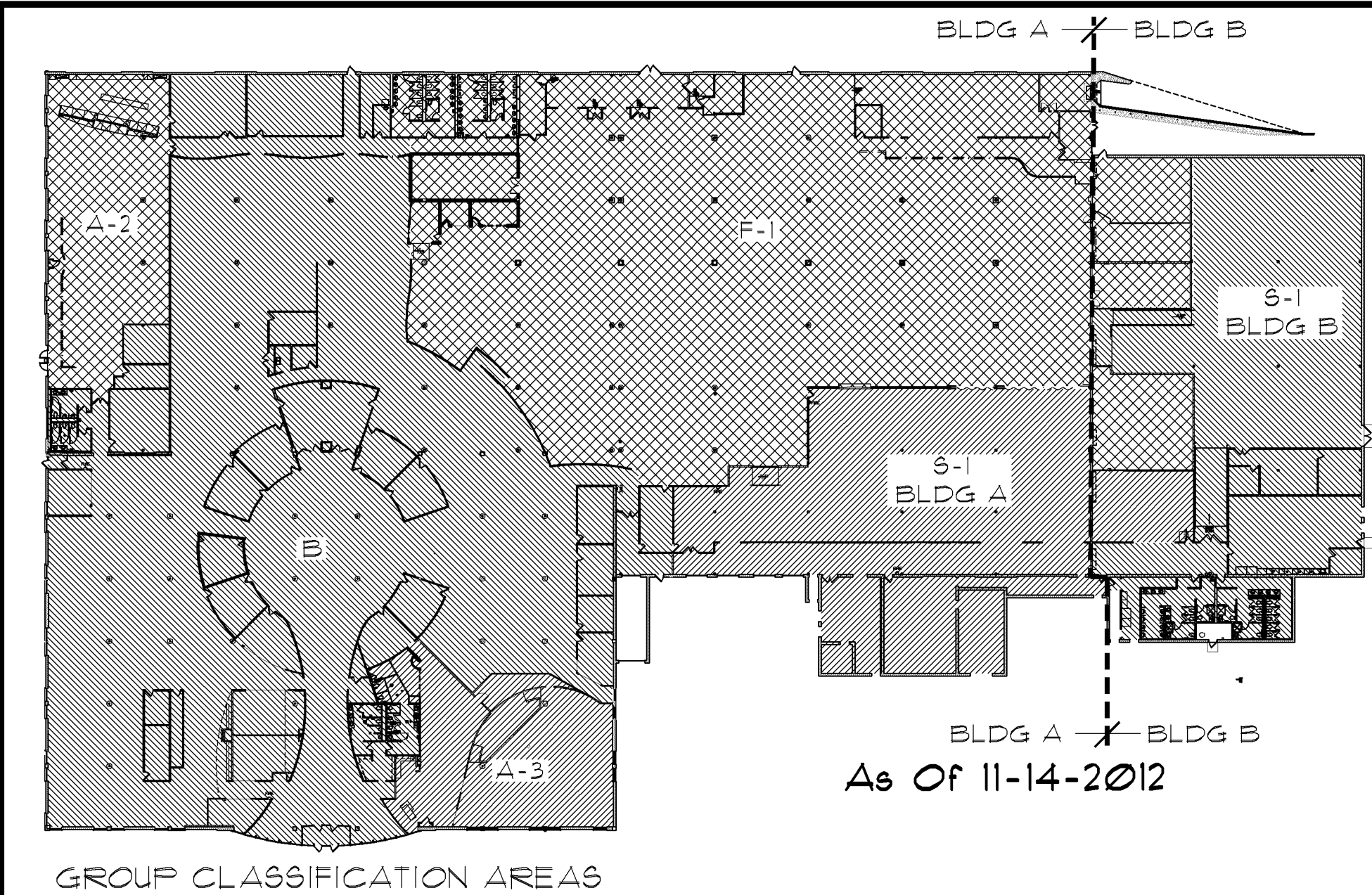
HVAC SHALL BE DESIGN BUILD UNDER SEPARATE CONTRACT.

GENERAL CONTRACTOR SHALL HAVE COMPLETE MECHANICAL AND ELECTRICAL DRAWINGS COMPLETED AND SUBMITTED TO LOCAL AUTHORITIES FOR REQUIRED REVIEW, APPROVALS AND PERMITS (AS REQUIRED BY THE GOVERNING JURISDICTION).

SIGNAGE; INTERIOR AND EXTERIOR SIGNAGE SHALL BE FURNISHED AND INSTALLED BY TENANT.

SHEET INDEX

T01	TITLE SHEET/CODE REVIEW
A1	DEMOLITION PLAN/CONSTRUCTION PLAN
A2	REFLECTED CLG PLAN/ELECTRICAL PLAN



CODE REVIEW

SOURCES:

INTERNATIONAL BUILDING CODE 2012 EDITION
MINNESOTA STATE BUILDING CODE 2015 EDITION
ICC/ANSI STANDARDS A117.1-2003 EDITION
MINNESOTA STATE FIRE CODE 2015 EDITION

OCCUPANCY CLASSIFICATION:

GROUP A-2 - ASSEMBLY (BREAK ROOM)
GROUP A-3 - ASSEMBLY (TRAINING ROOM AND LOUNGE)
GROUP B - BUSINESS (GENERAL OFFICE AREA)
GROUP F-1 - FACTORY (GENERAL PRODUCTION AREA)
GROUP S-1 - STORAGE (WAREHOUSE AND PARTS)

HEIGHTS AND AREAS:

BUILDING HAS BEEN SPLIT INTO TWO AREAS. THE FIRST, BUILDING A, IS THE MAIN BODY OF THE BUILDING AND THE SECOND, BUILDING B, IS THE TWO STORY PORTION OF THE BUILDING. THE TWO PARTS ARE SPLIT WITH A TWO HOUR SEPARATION.

BUILDING A: TYPE IIB CONSTRUCTION - B OCCUPANCY

ALLOWABLE SQUARE FOOTAGE FROM TABLE 503 IS 23,000 SF.
USING ALLOWABLE AREA INCREASES FOR SEPARATION THREE SIDES (17+62) (14,293 SF) AND AREA INCREASE FOR SPRINKLER AT 300% (63,000 SF) WOULD CREATE AN ALLOWABLE SQUARE FOOTAGE OF 106,293 SF.
BUILDING A = 102,124 SF.

BUILDING B: TYPE IIB CONSTRUCTION - S-1 OCCUPANCY

ALLOWABLE SQUARE FOOTAGE FROM TABLE 503 IS 17,500 SF.
USING ALLOWABLE AREA INCREASES FOR SEPARATION THREE SIDES (17+63) (11,025 SF) AND AREA INCREASE FOR SPRINKLER AT 200% (35,000 SF) WOULD CREATE AN ALLOWABLE SQUARE FOOTAGE OF 63,525 SF.
BUILDING B = 18,104 SF.

REQUIRED SEPARATION OF OCCUPANCIES: TABLE 508.4

GROUP A-2 IS REQUIRED TO BE SEPARATED BY 1 HOUR IN A SPRINKLED BUILDING FROM THE ADJACENT GROUP B. THIS SEPARATION EXISTS PRIOR TO THE REMODELING AND WILL NOT BE CHANGED IN THE REMODELING.
GROUP A-3 IS SEPARATED BY 1 HOUR FIRE BARRIER IN A SPRINKLED BUILDING FROM THE ADJACENT GROUP B.

OCCUPANT LOAD CALCULATION: (TABLE 1004.1.2)

GROUP A-2 - ASSEMBLY - 15 SF / OCC. 5030 SF DIVIDED BY 15 = 335 OCCUPANTS
GROUP A-3 - ASSEMBLY - 15 SF / OCC. 4351 SF DIVIDED BY 15 = 290 OCCUPANTS
GROUP B - BUSINESS - 100 SF/OCC. 44530 SF DIVIDED BY 100 = 445 OCCUPANTS
GROUP F-1 - FACTORY - 100 SF/OCC. 38,074 SF DIVIDED BY 100 = 381 OCCUPANTS
GROUP S-1 - STORAGE - 500 SF/OCC. 1758 SF DIVIDED BY 500 = 16 OCCUPANTS - BUILDING A
GROUP S-1 - STORAGE - 500 SF/OCC. 14,920 SF DIVIDED BY 500 = 30 OCCUPANTS - BUILDING B

EGRESS WIDTH: (SECTION 1005.5)

WITH SPRINKLED BUILDING FACTOR IS 0.15" / OCC.
TOTAL OCCUPANT LOAD IS 1491 OCC. X 0.15" = 22455"
PROVIDED 336" OF EGRESS

COMMON PATH OF TRAVEL: (TABLE 1014.3)

COMMON PATH OF TRAVEL IS 120 FT WITH EXCEPTION 1 IN PARAGRAPH 1014.3. THERE IS NO PORTION OF BUILDING WHERE COMMON PATH OF TRAVEL IS GREATER THAN 120 FT.

EXIT AND EXIT ACCESS DOORWAYS: (TABLE 1015.1)

GROUP A-2 - ASSEMBLY - 335 OCCUPANTS - OVER 49 OCCUPANTS REQUIRES 2 EXITS - 2 EXITS PROVIDED
GROUP A-3 - ASSEMBLY - 290 OCCUPANTS - OVER 49 OCCUPANTS REQUIRES 2 EXITS - 2 EXITS PROVIDED
GROUP B - BUSINESS - 445 OCCUPANTS - OVER 49 OCCUPANTS REQUIRES 2 EXITS - 4 EXITS PROVIDED
GROUP F-1 - FACTORY - 386 OCCUPANTS - OVER 49 OCCUPANTS REQUIRES 2 EXITS - 4 EXITS PROVIDED
GROUP S-1 - STORAGE - 16 OCCUPANTS - OVER 29 OCCUPANTS REQUIRES 2 EXITS - 2 EXITS PROVIDED - BUILDING A
GROUP S-1 - STORAGE - 33 OCCUPANTS - OVER 29 OCCUPANTS REQUIRES 2 EXITS - 2 EXITS PROVIDED - BUILDING B

EXIT ACCESS TRAVEL DISTANCE: (TABLE 1016.2)

GROUP B - TRAVEL DISTANCE IS 300 FT.
GROUPS A, F AND S - TRAVEL DISTANCE IS 250 FT.
THERE IS NO AREA WITHIN THE GROUPS ABOVE THAT HAVE A TRAVEL DISTANCE LONGER THAN ALLOWED UNDER THE CODE. THIS IS BECAUSE THE PLACEMENT OF EXIT DOORS IS SUCH THAT THE DISTANCE TO THE EXIT IS LESS THAN ALLOWED.

TOILET FIXTURE REQUIREMENT

PLUMBING FIXTURES:	GOVERNING CODE:
PROVIDED BY ACCORDING TO TABLE 2902.1	2015 MN STATE BLDG CODE CHAPTER 29 - Plumbing Systems

GROUP WATER CLOSET LAVATORIES FOUNTAINS SERVICE SINK

GROUP	MEN	WOMEN	LAVATORIES	FOUNTAINS	SERVICE SINK
GROUP A-2	1/15	1/15	1/200	1/500	1
GROUP A-3	1/125	1/65	1/200	1/500	1
GROUP B	1/25 TO 50	1/50	1/40 TO 80	1/100	1
GROUP F-1	1/100	1/100	1/100	1/400	1
GROUP S-1	1/100	1/100	1/100	1/1000	1

GROUP OCC WATER CLOSET LAVATORIES FOUNTAINS SERVICE SINK

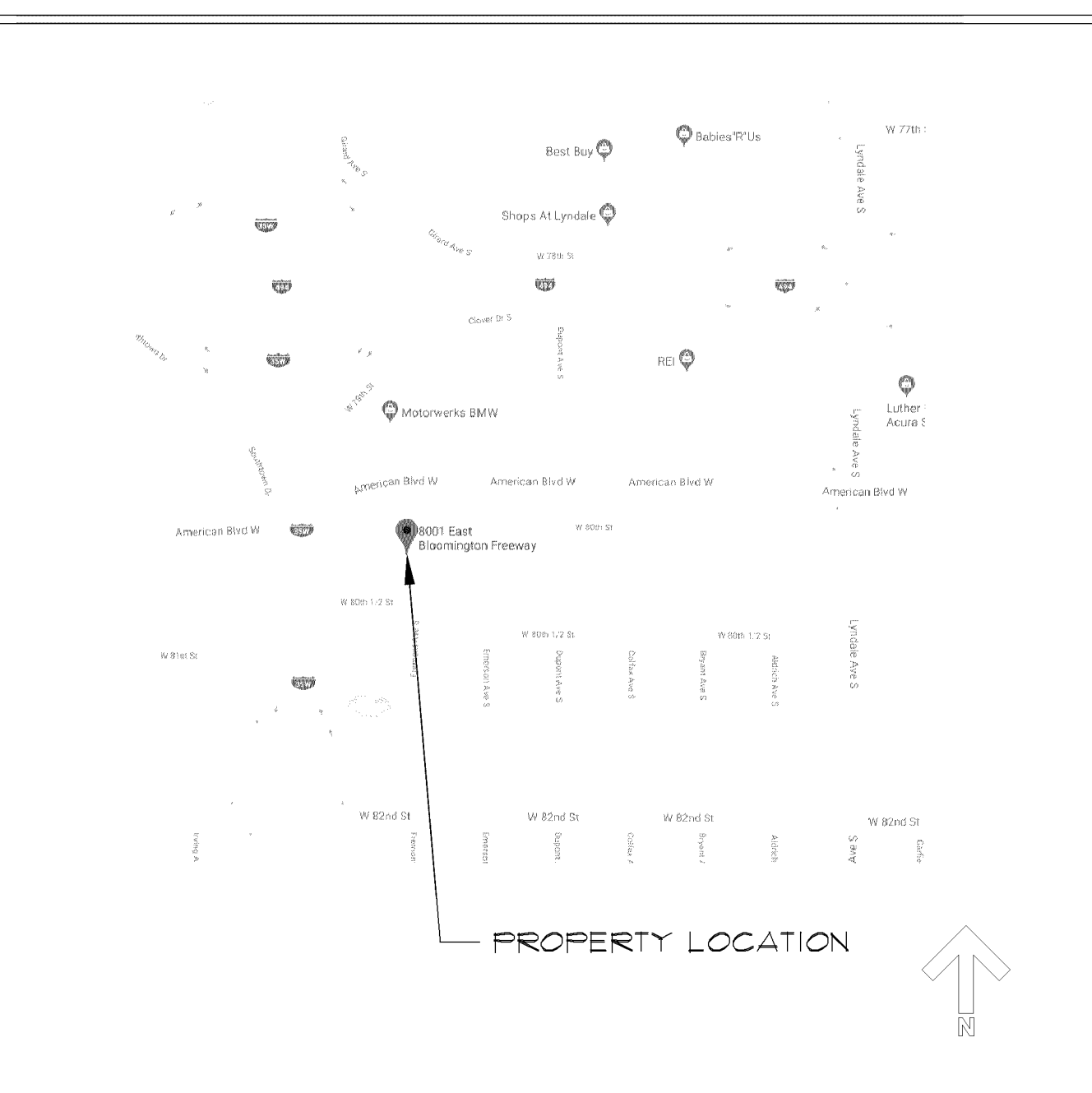
GROUP	OCC	MEN	WOMEN	LAVATORIES	FOUNTAINS	SERVICE SINK
GROUP A-2	335	4.47	4.47	1.68	0.67	1
GROUP A-3	290	1.16	2.23	1.45	1.45	1
GROUP B	445	5.46	5.46	6.56	4.45	1
GROUP F-1	381	1.91	1.91	3.81	0.95	1
GROUP S-1	46	0.23	0.23	0.46	0.23	1
TOTAL REQ'D	1323	14.30	14.30	13.96	7.54	1
TOTAL PROVIDED	34	26	26	44	6	3

ENERGY CODE

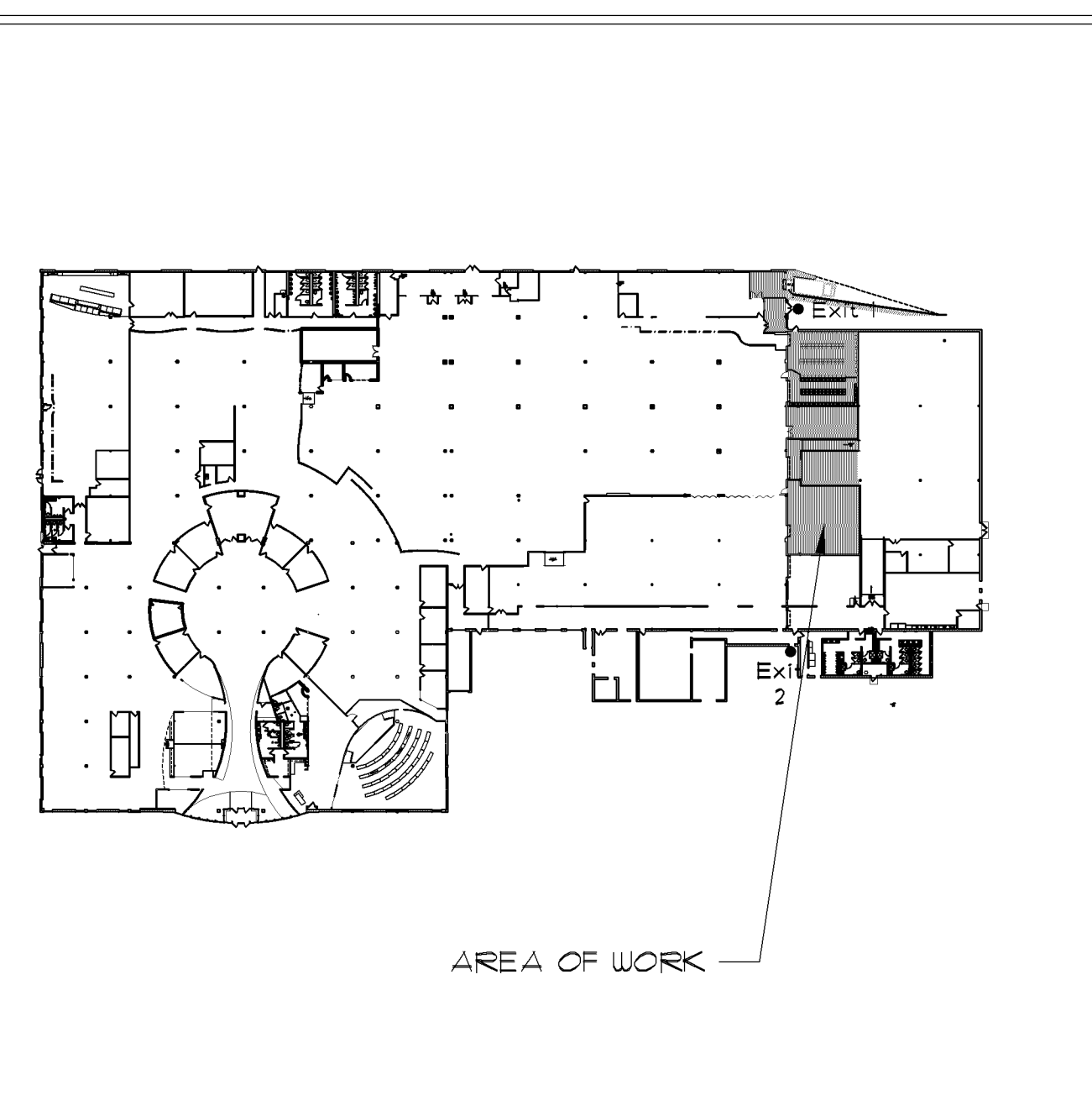
2015 MINNESOTA COMMERCIAL ENERGY CODE

PARAGRAPH 1323.0100 - ADMINISTRATION FOR COMMERCIAL ENERGY CODE - SUBPARAGRAPH 3 - ADDITIONS, ALTERATIONS, RENOVATIONS, OR REPAIRS - EXCEPTIONS: THE FOLLOWING CONDITIONS ARE NOT REQUIRED TO COMPLY WITH THIS CODE IF THE ENERGY USE OF THE BUILDING IS NOT INCREASED.
EXCEPTION #1 - ALTERATIONS THAT REPLACE LESS THAN 50% OF THE LUMINAIRES IN A SPACE, PROVIDED THAT SUCH ALTERATIONS DO NOT INCREASE THE INSTALLED INTERIOR LIGHTING POWER. SEE SHEET A2 FOR CALCULATIONS.

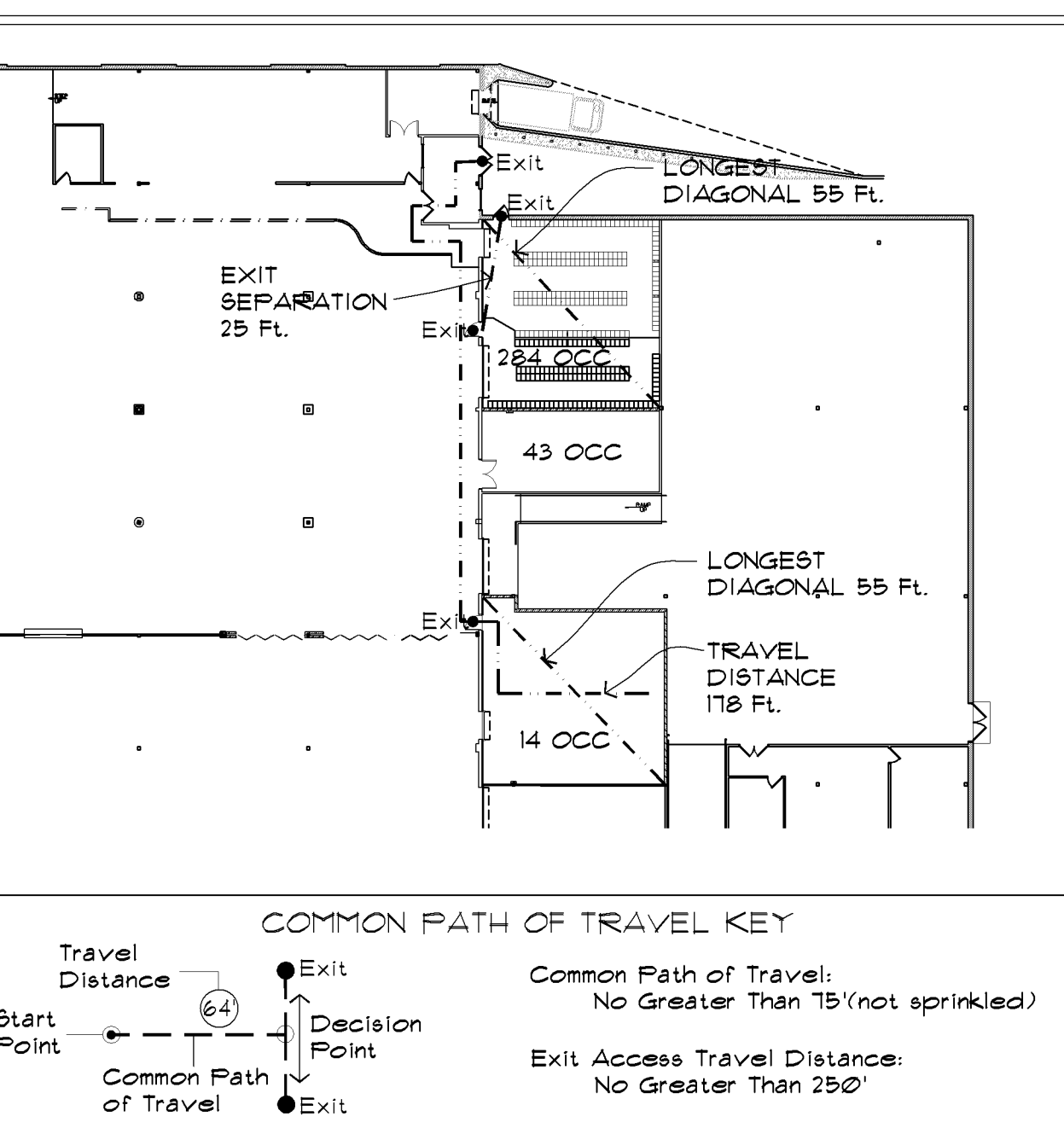
LOCATION MAP



LOCATION PLAN



EXIT PLAN



Winther-Johnson-Robinson
Architects+Designers

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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly registered architect under the Laws of the State of Minnesota.

Reed Robinson
Date: 04.10.18 Reg. No.: 19466

GN RESOUND - LOCKER TRAINING SALVAGE
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Issues & Revisions:
Origination Date: 04-10-18

Sheet Title:
TITLE SHEET
CODE REVIEW

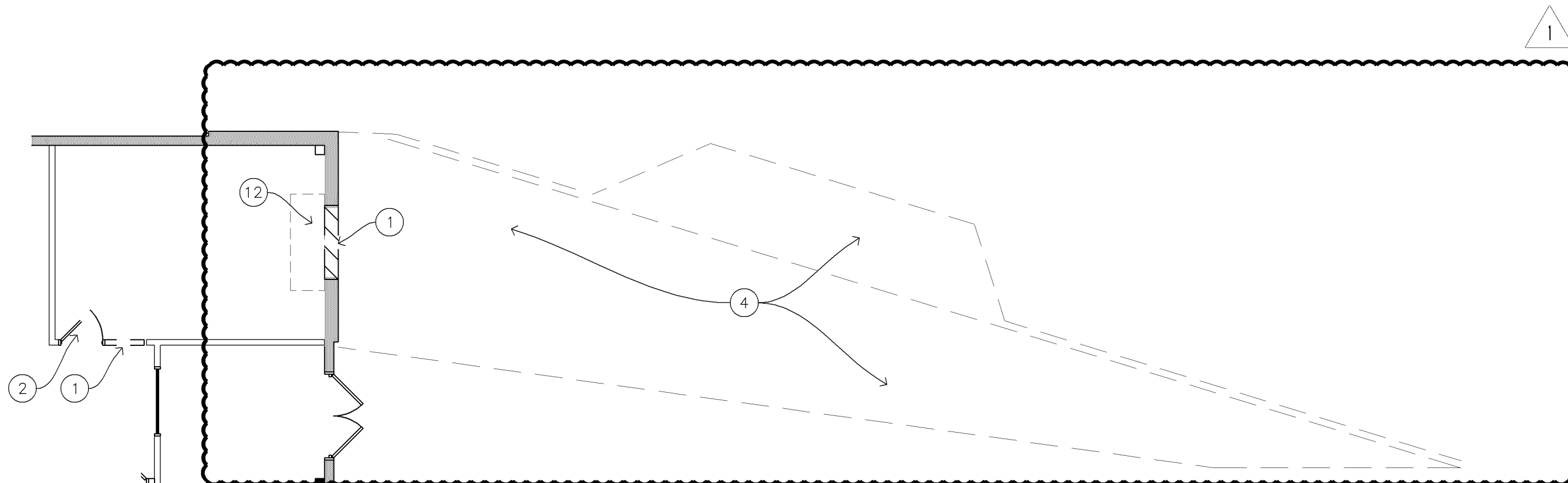
Location:
8001 Bloomington Freeway
Bloomington, MN 55420

Project No.: 17-179.01B
Scale: As Noted
Drawn By: RWJ, KNL
Approved: RFR

T1

OF 3

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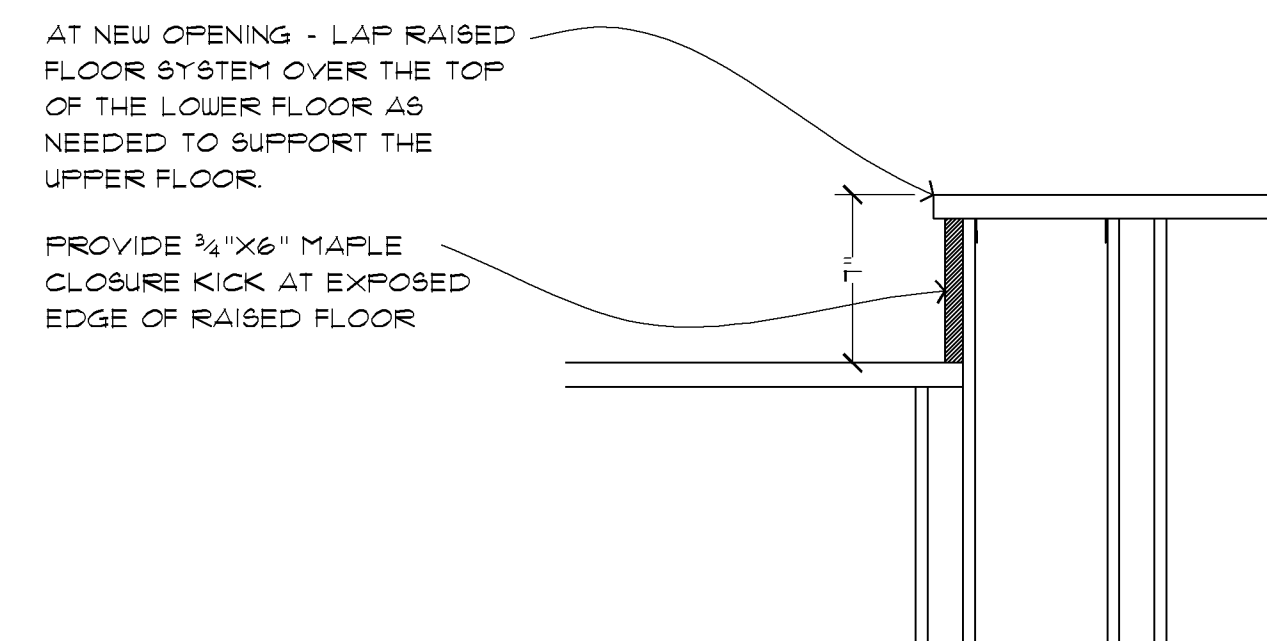


DEMOLITION GENERAL NOTES:

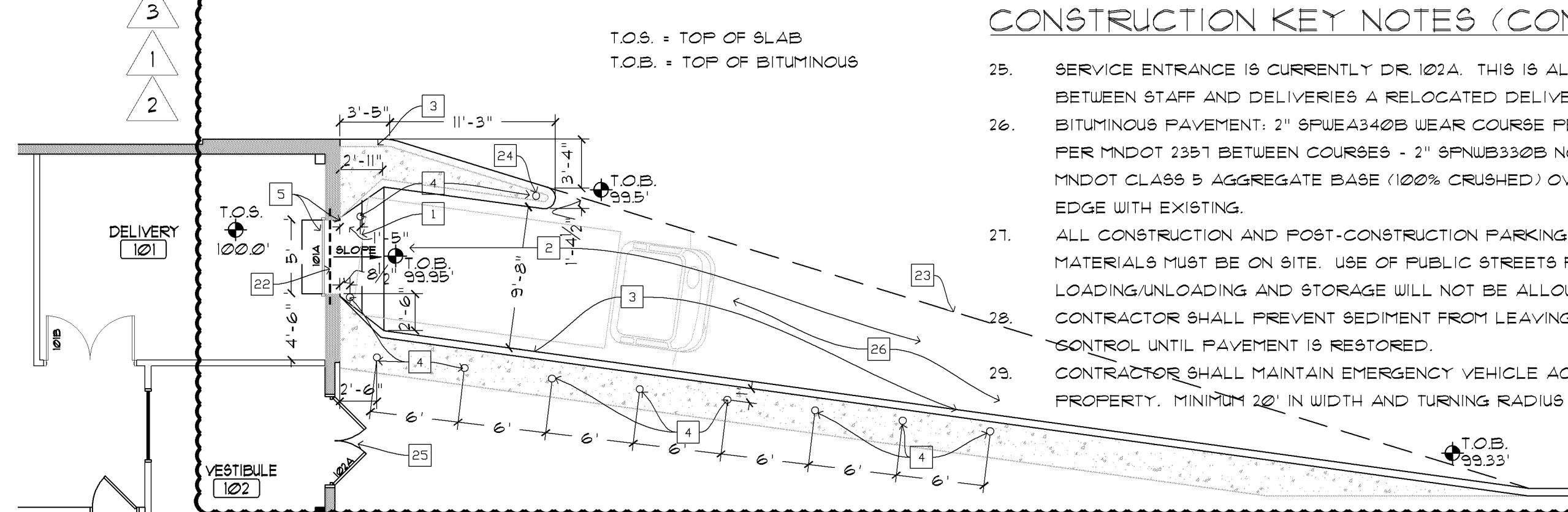
1. REMOVE WALL FOR NEW DOOR OPENING AND INSTALLATION OF NEW LINTEL IF REQUIRED IN CMU WALL.
2. REMOVE DOOR AND DOOR ASSEMBLY.
3. REMOVE WALL TO 1" BELOW CEILING. CREATE HEADER TO FINISH AT 1" BELOW CEILING. CEILING IS AT TWO SEPARATE LEVELS. FINISH BOTTOM OF OPENING AT UNDERSIDE OF UPPER FLOOR LEVEL.
4. REMOVE CURB AND RAISED CONCRETE WALK IN NEW TRUCK LOADING AREA.
5. REMOVE LIGHTS AS NECESSARY FOR EITHER NEW LIGHT CONFIGURATION OR FOR OTHER WORK IN THE CEILING. SALVAGE FOR REUSE THIS PROJECT.
6. REMOVE 4 LOCKERS THIS END OF BANK. SALVAGE FOR REUSE THIS PROJECT.
7. REMOVE 4 LOCKERS THIS AREA. SALVAGE FOR REUSE THIS PROJECT.
8. REMOVE RAIL IN THIS AREA. REPAIR HOLES IN CONCRETE WHERE ANCHORS WERE USED. MAINTAIN RAIL POST FOR SECURING CHAIN ACROSS OPENING.
9. REMOVE 6 LOCKERS THIS END OF BANK. SALVAGE FOR REUSE THIS PROJECT.
10. OWNER WILL REMOVE ALL RACKING IN THIS AREA PRIOR TO CONSTRUCTION.
11. REMOVE ALL LIGHTING IN THIS ROOM. SALVAGE LIGHTS FOR FUTURE USE. VERIFY WITH OWNER LOCATION OF SALVAGE.
12. REMOVE CEILING IN THIS AREA FOR NEW ROLLING FIRE DOOR HOUSING.
13. REMOVE ENOUGH OF WALL TO ALLOW NEW RAISED FLOOR TO RUN OVER WALL TO CONNECT NEW AND OLD RAISED FLOOR.
14. REMOVE 1 LOCKERS THIS END OF THE BANK OF LOCKERS. SALVAGE FOR REUSE THIS PROJECT.
15. REMOVE ALL DUCTWORK AND HVAC EQUIPMENT WHICH IS ABANDONED WITH NEW CONFIGURATION OF HVAC SYSTEM.
16. RAISE FIRE SPRINKLER LINES ABOVE NEW CEILING SYSTEM. PROVIDE DROPS AS NECESSARY FOR NEW ROOM LAYOUT.

FINISHES GENERAL NOTES:

1. FINISHES IN THE CONSTRUCTION AREA SHALL MATCH THAT USED THROUGHOUT THE PRODUCTION AREA. WALLS SHALL RECEIVE 3 COATS OF PAINT (PRIMER PLUS TWO FINISH COATS). ALL METALS, (DOOR FRAMES, ROLLING SHUTTERS) SHALL BE SPRAY PAINTED. CARPET AND CARPET BASE SHALL MATCH THAT USED IN PRODUCTION. CEILING SHALL BE 2X2 LAY-IN AND MATCH THAT USED IN PRODUCTION. LIGHTING SHALL BE AS NOTED ELSEWHERE LED OR EXISTING MODIFIED TO ACCOMMODATE LED LAMPS.



2
A1
RAISED FLOOR DETAIL
SCALE: 1 1/2" = 1'-0"



CONSTRUCTION KEY NOTES (CONT.):

25. SERVICE ENTRANCE IS CURRENTLY DR 102A. THIS IS ALSO STAFF ENTRANCE. TO AVOID CONFLICT BETWEEN STAFF AND DELIVERIES A RELOCATED DELIVERY ENTRANCE IS NECESSARY.
26. BITUMINOUS PAVEMENT: 2" SPUEA340B WEAR COURSE PER MNDOT 2360 - BITUMINOUS TACK COAT PER MNDOT 2351 BETWEEN COURSES - 2" SPNUB330B NON-WEAR COURSE PER MNDOT 2360 - 12" MNDOT CLASS 5 AGGREGATE BASE (100% CRUSHED) OVER COMPACTED SUB-GRADE. BLEND EDGE WITH EXISTING.
27. ALL CONSTRUCTION AND POST-CONSTRUCTION PARKING AND STORAGE OF EQUIPMENT AND MATERIALS MUST BE ON SITE. USE OF PUBLIC STREETS FOR PRIVATE CONSTRUCTION PARKING, LOADING/UNLOADING AND STORAGE WILL NOT BE ALLOWED.
28. CONTRACTOR SHALL PREVENT SEDIMENT FROM LEAVING GRADING AREA AND MAINTAIN EROSION CONTROL UNTIL PAVEMENT IS RESTORED.
29. CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE ACCESS AND CIRCULATION THROUGH OUT PROPERTY. MINIMUM 20' IN WIDTH AND TURNING RADIUS FOR LI FIRE TRUCK.

CONSTRUCTION GENERAL NOTES:

1. THE INTENT OF THIS CONSTRUCTION IS TO PROVIDE A NEW SERVICE ENTRANCE FOR DELIVERIES, TO PROVIDE AN EXPANDED LOCKER FACILITY, TO PROVIDE A NEW TRAINING ROOM FOR THE PURPOSES OF HANDS-ON TRAINING OF NEW EMPLOYEES OF PRODUCTION TECHNIC. PRODUCTION WORK TABLES WILL BE PROVIDED BY OWNER FOR THIS SPACE. THE FINAL ROOM IS THE SALVAGE ROOM WHICH IS BEING REMOVED FROM A WAREHOUSE FUNCTION. A RAISED FLOOR IS TO BE PLACED IN THE ROOM LEVEL WITH THE PRODUCTION FLOOR. DESKS PROVIDED BY OWNER.

CONSTRUCTION KEY NOTES:

1. NEW 6" THICK CURB AND RAMP TO OVERHEAD DOOR. SLOPE RAMP FROM NEW ASPHALT TO THRESHOLD OF OVERHEAD DOOR INSIDE OF WALL. CONCRETE LEAD EDGE AT ASPHALT CONNECTION SHALL BE 18" DEEP X 28" THICK.
2. NEW ASPHALT ON 6" CLASS 5 CRUSHED GRAVEL. FLUSH WITH EXISTING ASPHALT. PROVIDE POSITIVE SLOPE TO EXISTING ASPHALT.
3. NEW 6 1/2" CURB. TIE INTO EXISTING CURB AT EAST SIDE. PROVIDE 4" THICK FLAT WORK ON 6" CLASS 5 CRUSHED GRAVEL TO TIE NEW OPENING WITH EXISTING SIDEWALK.
4. 6" STEEL BOLLARD - 4' TALL, FILLED WITH CONCRETE AND CAPPED WITH BULB OF CONCRETE. BOLLARDS SHALL BE SET IN 14" CONCRETE SONO TUBE FTN TO 60" BELOW GRADE. PLACE BOLLARDS AT 6'-0" O.C.
5. 5'-0" X 8'-0" X 3" INSULATED OVERHEAD DOOR. DOOR TO HAVE JACK SHAFT OPENER AND FULL VERTICAL LIFT TRACK CONFIGURATION. PLACE CONTROL BUTTON ON INSIDE OF DOOR AS DIRECTED BY OWNER. PROVIDE DOOR SEAL AT BOTTOM OF DOOR AND WEATHER STRIP AT JAMB AND HEAD OF DOOR. USE END BLOCK AT SIDES OF NEW DOOR OPENING. PROVIDE 6" X 6" X 1/4" ANGLE WITH ANCHOR BOLTS INTO GROUT JOINT AT 16" O.C. TO A HEIGHT OF 4' AT EACH SIDE OF DOOR OPENING.
6. 6'-0" X 8'-0" 3 HR RATED ROLLING DOOR BY CORNELL. INSTALL FUSIBLE LINK CONNECTED TO FIRE ALARM SYSTEM. DOOR SHALL BE PAINTED TO MATCH EXISTING IN AREA.
7. 6'-0" X 1'-0" 3 HR RATED DOOR SYSTEM WITH CLOSERS, COORDINATOR, ASTRAGAL, 1 1/2" PAIR BALL BEARING HINGES EACH DOOR LEVER PASSAGE HANDLES AND THROW BOLT AT BOTTOM OF DOOR ON INACTIVE LEAF. DOOR SHALL MATCH MAPLE DOORS USED THROUGHOUT BUILDING.
8. 3'-0" X 1'-0" DOOR SYSTEM WITH CLOSER, LEVER PASSAGE SET, 1 1/2" PAIR HINGES PER DOOR. DOOR SHALL MATCH MAPLE DOORS USED THROUGHOUT BUILDING.
9. SEE DETAIL 2/A1 FOR FLOOR TRANSITION.
10. LOCKERS IN THIS ROOM ARE EXISTING AND REMAIN UNLESS NOTED OTHERWISE. WHERE LOCKERS HAVE BEEN REMOVED FROM ROW, PROVIDE FINISHED END PANEL TO MATCH LOCKER SERIES.
11. NEW WALL 6" STUD AT 24" O.C. WITH 3/8" GYP. BD. BOTH SIDES. FILL CAVITY WITH ACOUSTICAL INSULATION. WALL TO RUN FROM TOP OF RAISED FLOOR TO UNDERSIDE OF GYP. SOFFIT. ALIGN WALL SO NORTH GYP. BD. SLIDES IN FRONT OF STEEL COLUMN - NON RATED WALL.
12. FURR OUT COLUMN WITH 2 1/2" STL STUD WITH 3/8" GYP. BD.
13. FURR OUT CMU WALL WITH 2 1/2" STL STUD AT 24" O.C. WITH 3/8" GYP. BD. WALL TO RUN FROM TOP OF RAISED FLOOR TO UNDERSIDE OF SOFFIT OR 6" ABOVE CEILING SYSTEM.
14. NEW WALL - 6" STL STUD AT 16" O.C. WITH 3/8" GYP. BD. EACH SIDE. WALL FROM WAREHOUSE FLOOR TO UNDERSIDE OF CONCRETE DECK ABOVE. PROVIDE SLIP TRACK AT TOP TRACK. FILL CAVITY WITH ACOUSTICAL BATT INSULATION - NON RATED WALL.
15. SET BOTTOM PLATE OF WALL AT TOP OF DOCK PLATFORM - ALIGN SOUTH FACE OF STUD AT PLATFORM.
16. PROVIDE NEW RAISED FLOOR TO MATCH EXISTING THIS SITE. USE ELEVATED SUPPORTS TO ALIGN FLOOR LEVEL WITH PRODUCTION FLOOR. RUN FLOOR INTO DOOR OPENINGS TO COMPLETE FLOOR SYSTEM.
17. ALIGN WALL SUCH THAT THE NORTH GYP. BD. RUNS IN FRONT OF COLUMN. FURR OUT COLUMN ON SOUTH SIDE OF WALL.
18. RUN RAISED FLOOR INTO DOOR OPENING.
19. PROVIDE LOCKABLE DOUBLE HIGH 12" X 18" LOCKERS TO MATCH EXISTING. REUSE THOSE SALVAGED FROM DEMOLITION THIS PROJECT AS ABLE. PROVIDE NECESSARY TOP AND CORNER ENCLOSURES, AS WELL AS APPROPRIATE END PANELS FOR ALL EXPOSED ENDS. WHERE LOCKERS HAD BEEN REMOVED IN THE ORIGINAL LOCKER ROOM, PROVIDE END PANELS FOR AREAS AS WELL AS THE NEW LOCKER ROOM.
20. EXISTING RAISED FLOOR. ONLY MODIFICATION ON THIS FLOOR OCCURS AT THE DOOR OPENINGS AND TRANSITION BETWEEN NEW AND OLD LOCKER ROOMS.
21. 3'-0" X 1'-0" 3 HR. RATED DOOR SYSTEM WITH CLOSER, LEVER PASSAGE SET, 1 1/2" PAIR HINGES PER DOOR. DOOR SHALL MATCH MAPLE DOORS USED THROUGHOUT BUILDING.
22. W8X18 LINTEL. LINTEL BOTTOM IE (VERIFY WALL DIM.): 6" CMU - N/A, 8" CMU - IE 1/4" X 1" X CONT., 10" CMU - IE 1/4" X 9" X CONT., 12" CMU - IE 1/4" X 11" X CONT. BRG IE 1/2" X 8" X 8" WITH 2-1/2" X 4" STUDS GROUT 2 CORES SOLID TO TOP OF FOOTING ELEVATION.

23. PAINT 6" SOLID YELLOW LINE FROM PENINSULA TO SIDEWALK. LINE TO FOLLOW DASHED LINE SHOWN ON DRAWING.
24. PROVIDE SIGN WHICH SAYS "NO PARKING WITHIN DRIVE AISLE" SIGN TO BE POLE MOUNTED WITH BOTTOM OF SIGN AT 60" ABOVE CURB. MOUNT SIGN WITHIN BOLLARD.

3
A1
CONSTRUCTION PLAN
SCALE: 1/8" = 1'-0"

1
A1
DEMOLITION PLAN
SCALE: 1/8" = 1'-0"



Winther-Johnson-Robinson
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I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly registered architect under the Laws of the State of Minnesota.

REED F. ROBINSON
Date: 04.10.18 Reg. No.: 19466

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Issues & Revisions:
Origination Date: 04-10-18

Sheet Title:
REFLECTED CEILING &
ELECTRICAL PLANS

Location:
8001 Bloomington Freeway
Bloomington, MN 55420

Project No.: 17-179.01B
Scale: As Noted
Drawn By: RWC, RNL
Approved: RFR

A2

OF 3

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MECHANICAL GENERAL NOTES:

- ALL MECHANICAL ENGINEERING SHALL BE PERFORMED BY MECHANICAL CONTRACTOR UNDER CONTRACT TO GENERAL CONTRACTOR.
- G.C. SHALL COORDINATE ALL OTHER WORK WITH HVAC WORK AS REQUIRED.
- PROVIDE/LOCATE/RELOCATE THERMOSTATS, FIRE ALARMS, STROBES, FIRE EXTINGUISHERS, ETC. AS REQUIRED BY LOCATION OF NEW PARTITIONS, CASEWORK AND TENANT'S FURNITURE.
- COORDINATE WITH ARCHITECT TO DETERMINE LOCATION OF DEVICES AND CONTROLS.
- ENGINEERING DRAWINGS SHALL DETERMINE ELECTRICAL/MECHANICAL SYSTEMS DESIGN. PROVIDE BAFFLED DAMPER OR TRANSFER PANELS AT ACOUSTIC PARTITIONS.

ELECTRICAL GENERAL NOTES:

- ELECTRICAL SHALL BE AS SHOWN ON DRAWINGS. ELECTRICAL CONTRACTOR SHALL CIRCUIT RECEPTACLES AS NECESSARY TO MEET CODE AS WELL AS TO LIMIT RECEPTACLES ON CIRCUIT TO 6.

ELECTRICAL KEY NOTES:

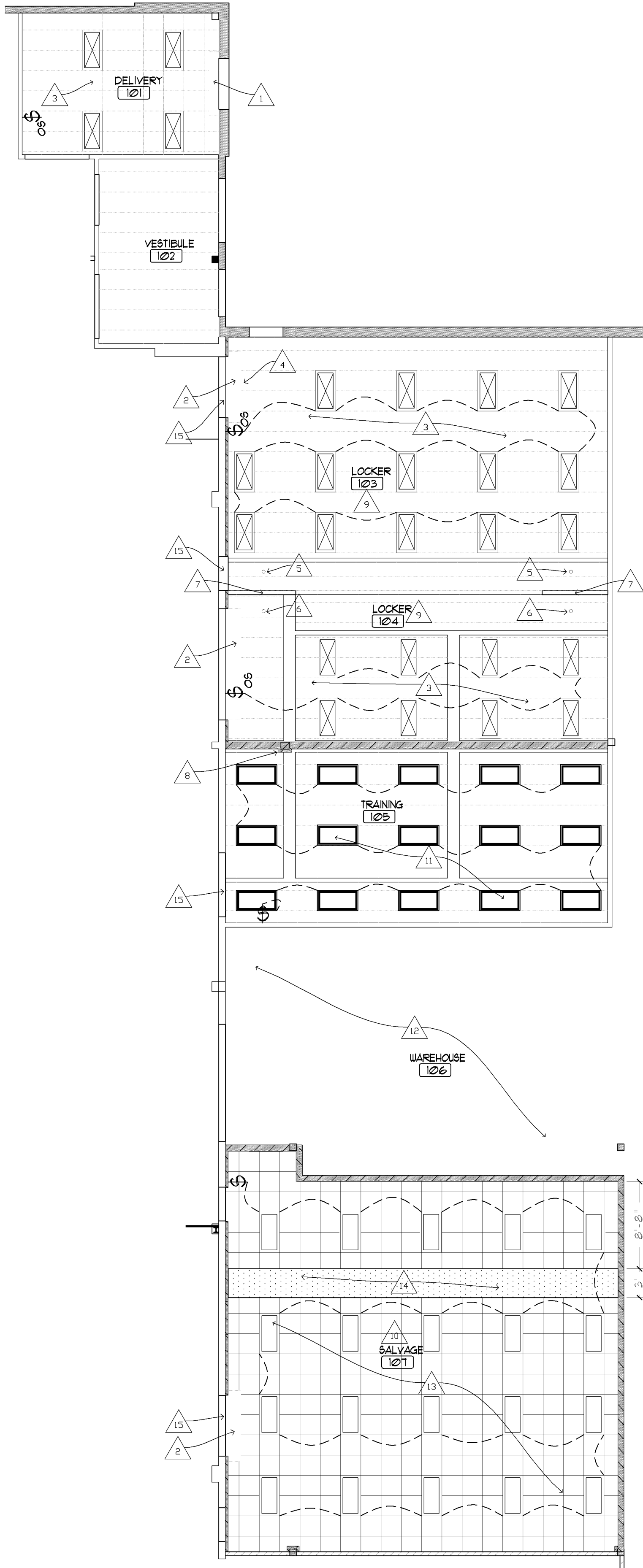
- COORDINATE FLOOR BOXES WITH OWNER.
- PROVIDE 6 JUNCTION BOXES BELOW FLOOR WITH A 20 AMP CIRCUIT PER J-BOX. SPACE AT THIRD POINTS ALONG SHORT AXIS OF ROOM AND AT QUARTER POINTS ALONG LONG AXIS OF ROOM.
- PROVIDE 9 JUNCTION BOXES BELOW FLOOR WITH A 20 AMP CIRCUIT PER J-BOX. SPACE AT QUARTER POINTS ALONG SHORT AXIS OF ROOM AND AT QUARTER POINTS ALONG LONG AXIS OF ROOM.
- PROVIDE POWER AS NECESSARY FOR JACK SHAFT OPENER.
- PROVIDE POWER AS NECESSARY FOR ROLLING SHUTTER. CONNECT TO FIRE ALARM SYSTEM.

REFLECTED CEILING SYMBOLS LEGEND

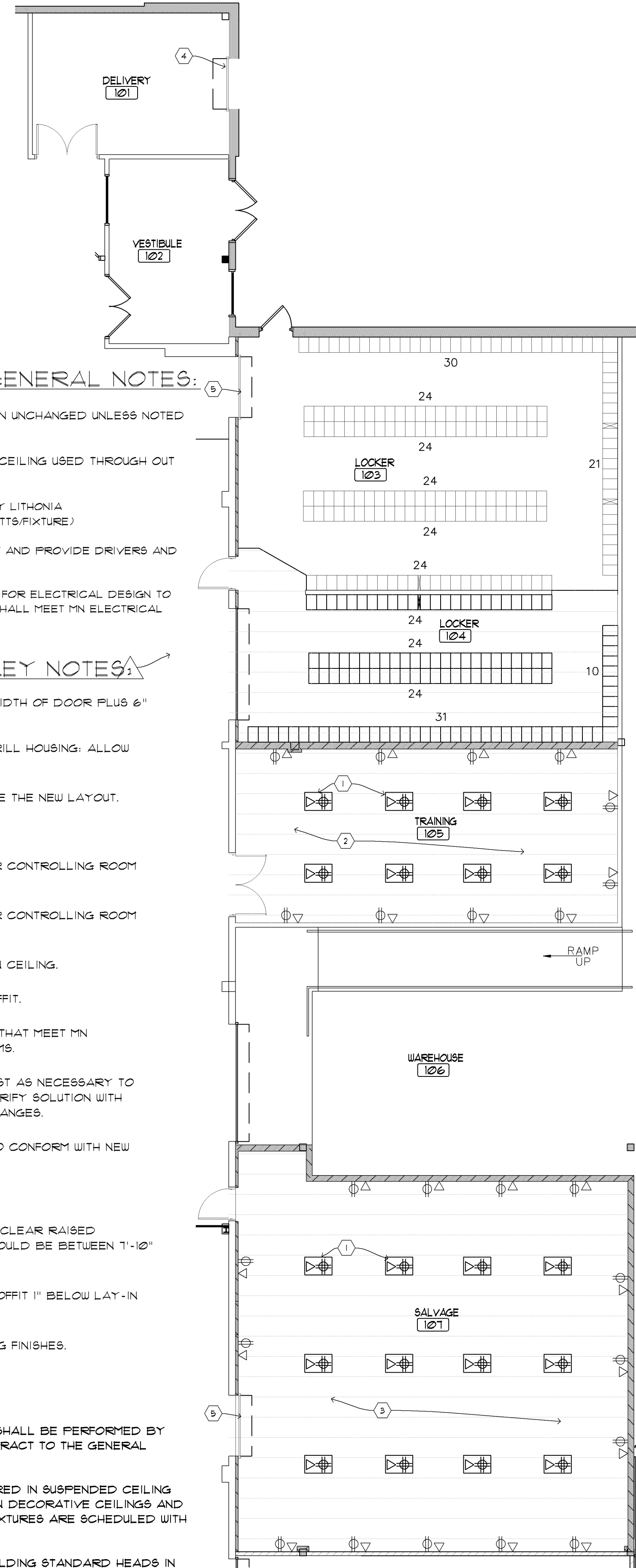
LAY-IN FIXTURES	RECESSED FIXTURES	SYMBOL INDICATORS
2' X 2' 2' X 4'	RECESSED DOWNLIGHT	FIXTURE TYPE INDICATOR
Existing LOCATION	RECESSED WALL WASH / ADJUSTABLE	SWITCH INDICATOR
New LOCATION	GENERAL SYMBOLS	SWITCH
New FIXTURE	KEYED NOTE	FIXTURE CONTROLLED BY SWITCH
CEILING SYSTEMS	ROOM NUMBER	DIMMER SWITCH
SUSPENDED CEILING SYSTEMS:	EXHAUST FAN	NIGHT LIGHT
GENERAL AREA (UNO) Match Existing	CEILING SPEAKER	EXISTING TO REMAIN
GYPSUM BOARD CEILING/SOFFITS	EXIT SIGN	OCCUPANCY SENSOR
	EXIT SIGN WITH EMERGENCY LIGHTS	VACANCY SENSOR
	EMERGENCY LIGHTS	3 WAY SWITCH
	OCCUPANCY SENSOR - CEILING	4 WAY SWITCH
	VACANCY SENSOR - CEILING	FLOOR BOX
	SPRINKLER	

MN ENERGY CODE INTERIOR LIGHTING COMPLIANCE CALCULATIONS:

EXISTING FIXTURE SCHEDULE						
NUMBER	FIXTURE TYPE	LAMP TYPE	CALCULATION	QUANTITY	WATTS USED	MANUFACTURER / CATALOG NO.
1	2' X 4' FLUORESCENT	2 T8 LAMPS 32 WTS/LAMP	32 X 2 = 64 WTS / FIX	44	64 WTS X 44 FIX = 2,816 WATTS	
2	-	-	-	-	-	
3	-	-	-	-	-	
4	-	-	-	-	TOTAL WATTS = 2,816 WATTS	
EXISTING INTERIOR LIGHTING POWER TOTAL 2,560 WATTS / 3,609 S.F. = 0.71 WATTS PER S.F.						
PROPOSED FIXTURE SCHEDULE						
NUMBER	FIXTURE TYPE	LAMP TYPE	CALCULATION	QUANTITY	WATTS USED	MANUFACTURER / CATALOG NO.
1	2' X 4' DIRECT/INDIRECT CONVERTED TO LED	LED 18 WTS/LAMP	18 X 2 = 36 WTS / FIX	26	36 WTS X 26 FIX = 936 WATTS	
2	2' X 4' DIRECT/INDIRECT CONVERTED TO LED	LED 18 WTS / LAMP	18 X 2 = 36 WTS / FIX	15	36 WTS X 15 FIX = 540 WATTS	
3	2' X 4' DIRECT/INDIRECT LED	LED	38.34 WTS / FIX	20	38.34 WTS X 20 FIX = 766.8 WATTS	LITHONIA (38.34 WATTS PER FIXTURE) 2BLT4-46L-ADP-271-EZ1-LP835
4	-	-	-	-	TOTAL WATTS = 2,243 WATTS	
PROPOSED INTERIOR LIGHTING POWER TOTAL 2,243 WATTS / 3,609 S.F. = 0.62 WATTS PER S.F.						



1
A2 REFLECTED CEILING PLAN
SCALE: 1/8" = 1'-0"



2
A2 ELECTRICAL PLAN
SCALE: 1/8" = 1'-0"



REFLECTED CEILING GENERAL NOTES:

- EXISTING LAY-IN CEILING SHALL REMAIN UNCHANGED UNLESS NOTED OTHERWISE.
- NEW LAY-IN CEILING WILL MATCH 2"X2" CEILING USED THROUGH OUT PRODUCTION AREA.
- NEW LIGHTS TO BE LED 2X4 FIXTURES BY LITHONIA 2BLT4-46L-ADP-271-EZ1-LP835 (38.34 WATTS/FIXTURE)
- EXISTING 2X4 FIXTURES REMOVE BALLAST AND PROVIDE DRIVERS AND LED TUBES FOR LIGHT FIXTURES.
- ELECTRICAL CONTRACTOR RESPONSIBLE FOR ELECTRICAL DESIGN TO INCLUDE LIGHTING AND POWER. DESIGN SHALL MEET MN ELECTRICAL CODE AND MN ENERGY CODE.

REFLECTED CEILING KEY NOTES:

- CREATE OPENING IN CEILING OF 12" X WIDTH OF DOOR PLUS 6" EACH WAY.
- CREATE OPENING AROUND ROLLING GRILL HOUSING: ALLOW FOR ALL DOOR MECHANISMS.
- RE-POSITION LIGHTS TO ACCOMMODATE THE NEW LAYOUT.
- REMOVE FIXTURE
- CEILING MOUNTED OCCUPANCY SENSOR CONTROLLING ROOM 103 LIGHTS.
- CEILING MOUNTED OCCUPANCY SENSOR CONTROLLING ROOM 104 LIGHTS.
- SOFFIT TO BE 1" BELOW HIGHEST LAY-IN CEILING.
- ALIGN FACE OF WALL WITH FACE OF SOFFIT.
- PROVIDE EXHAUST AND AIR CHANGES THAT MEET MN MECHANICAL CODE FOR LOCKER ROOMS.
- PROVIDE AIR EXCHANGES AND EXHAUST AS NECESSARY TO CONTROL BODY ORDER THIS ROOM. VERIFY SOLUTION WITH OWNER PRIOR TO DESIGNING AIR EXCHANGES.
- ROTATE EXISTING LIGHTS THIS ROOM TO CONFORM WITH NEW LAYOUT. WIRE TO NEW SWITCH.
- NO WORK AT CEILING THIS AREA.
- SET CEILING AS HIGH AS POSSIBLE TO CLEAR RAISED SPRINKLER LINES AND STRUCTURE. SHOULD BE BETWEEN 7'-10" AND 8'-0" AFF.
- 3/8" GYP. BD. SOFFIT WITH BOTTOM OF SOFFIT 1" BELOW LAY-IN CEILING SYSTEM.
- FINISH HEADER TO MATCH SURROUNDING FINISHES.

FIRE PROTECTION

- ALL FIRE PROTECTION ENGINEERING SHALL BE PERFORMED BY LICENSED CONSULTANTS UNDER CONTRACT TO THE GENERAL CONTRACTOR.
- SPRINKLER HEADS SHALL BE CENTERED IN SUSPENDED CEILING TILE UNO. COORDINATE LOCATIONS IN DECORATIVE CEILINGS AND IN LOCATIONS WHERE DECORATIVE FIXTURES ARE SCHEDULED WITH ARCHITECT.
- SPRINKLER HEADS SHALL MATCH BUILDING STANDARD HEADS IN AREA OF CONSTRUCTION.
- FLUSH COVERED HEADS SHALL BE INSTALLED IN GYPSUM BOARD SOFFITS.

