Kesound

MANAGEMENT:

DISCREPANCIES.

GN Resound GN RESOUND

8001 BLOOMINGTON FREEWAY BLOOMINGTON, MINNESOTA 55420

CONTACT: BRUCE KNUTSON PHONE: 952-769-8147 612-308-4609

763-398-Ø454

WJR, INC.

8175-B LEWIS ROAD

GOLDEN VALLEY, MN 55427

CONTACT: REED ROBINSON

763-398-0455

PROJECT ARCHITECT / DESIGNER:

E-MAIL: BKNUTSON @ GNRESOUND.COM E-MAIL: RROBINSON @ WURINC.COM E-MAIL: AJDELLY @ DELLYCONSTRUCTION.COM

GENERAL CONTRACTOR:

DELLY CONSTRUCTION, INC.

BLOOMINGTON, MN 55420

CONTACT: ANDY DELLY

PHONE: 612-751-1489

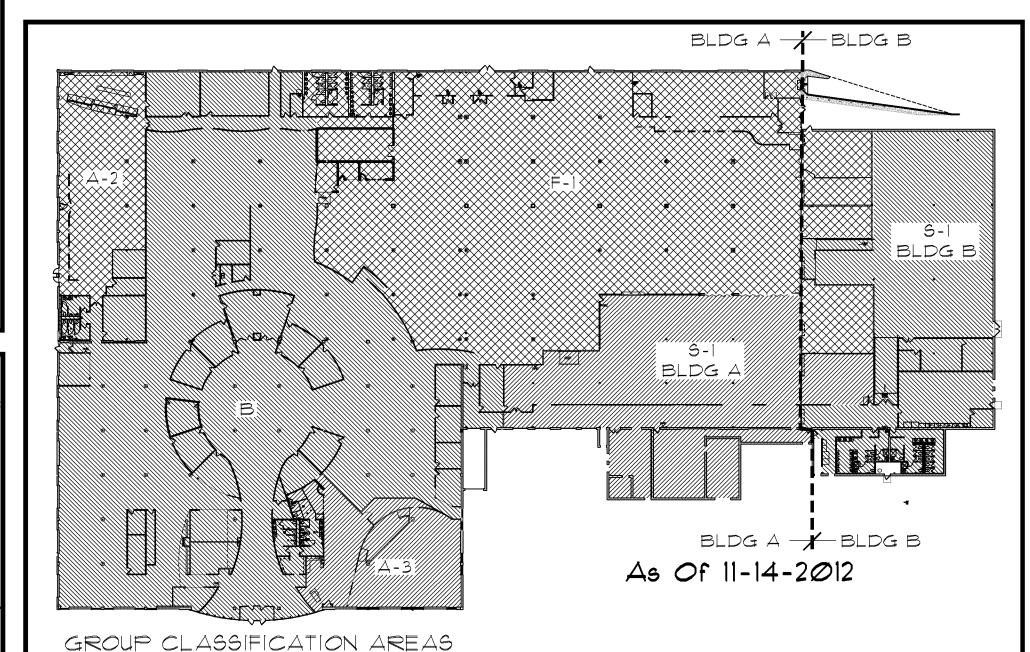
9053 LYNDALE AVENUE SOUTH

SHEET INDEX

TITLE SHEET/CODE REVIEW

DEMOLITION PLAN/CONSTRUCTION PLAN

REFLECTED CLG PLAN/ELECTRICAL PLAN



CODE REVIEW

SOURCES:

INTERNATIONAL BUILDING CODE 2012 EDITION MINNESOTA STATE BUILDING CODE 2015 EDITION ICC/ANSI STANDARDS AII7.1-2003 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-I - 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 (IF = 62) (14,299 SF) AND AREA INCREASE

FOR SPRINKLER AT 300% (69,000 SF) WOULD CREATE AN ALLOWABLE SQUARE FOOTAGE OF 106,299 SF. BUILDING A = 102,727 SF.

BUILDING B: TYPE IIB CONSTRUCTION - 5-1 OCCUPANCY

ALLOWABLE SQUARE FOOTAGE FROM TABLE 503 IS 17,500 SF

USING ALLOWABLE AREA INCREASES FOR SEPARATION THREE SIDES (If = .63) (II, 025 SF) AND AREA INCREASE FOR SPRINKLER AT 200% (35,000 SF) WOULD CREATE AN ALLOWABLE SQUARE FOOTAGE OF 63,525 SF. BUILDING B = 18,704 SF.

REQUIRED SEPARATION OF OCCUPANCIES: TABLE 508.4

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

GROUP A-3 IS SEPARATED BY I HOUR FIRE BARRIER IN A SPRINKLED BUILDING FROM THE ADJACENT GROUP

OCCUPANT LOAD CALCULATION: (TABLE 1004.12)

GROUP A-2 - ASSEMBLY - 15 SF / OCC. 5030 SF DIVIDED BY 15 = 335 OCCUPANTS GROUP A-3 - ASSEMBLY - 15 SF / OCC. 4357 SF DIVIDED BY 15 = 290 OCCUPANTS

GROUP B - BUSINESS - 100 SF/OCC. 44,530 SF DIVIDED BY 100 = 445 OCCUPANTS GROUP F-1 - FACTORY - 100 SF/OCC. 38,074 SF DIVIDED BY 100 = 381 OCCUPANTS

GROUP S-I - 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 10055) WITH SPRINKLED BUILDING FACTOR IS Ø.15" /OCC.

TOTAL OCCUPANT LOAD IS 1,497 OCC. \times Ø.15" = 224.55" PROVIDED 396" OF EGRESS

COMMON PATH OF TRAVEL: (TABLE 1014.3) COMMON PATH OF TRAVEL IS 100 FT WITH EXCEPTION I IN PARAGRAPH 1014.3. THERE IS NO PORTION OF BUILDING WHERE COMMON PATH OF TRAVEL 15 GREATER THAN 100 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 - 366 OCCUPANTS - OVER 49 OCCUPANTS REQUIRES 2 EXITS - 4 EXITS PROVIDED GROUP 5-1 - STORAGE - 16 OCCUPANTS - OVER 29 OCCUPANTS REQUIRES 2 EXITS - 2 EXITS PROVIDED -BUILDING A

GROUP 5-1 - 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.

1/500

TOILET FIXTURE REQUIREMENT

■ ■II	
	TATE BLDG CODE R 29 - Plumbing Systems

GROUP WATER CLOSET LAVATORIES FOUNTAINS SERVICE SINK MEN WOMEN

1/200

GROUP A-3	1/125	1/65	1/20	00	1/50	Ø	1
GROUP B	1/25 TØ	50, 1/50) 1/40 TC	80, 1/80	1/100	ð	1
GROUP F-1	1/100	1/100	1/10	Ø	1/40	Ø	1
GROUP 5-1	1/100	1/100	1/10	Ø	1/100	00	1
GROUP	OCC	WATER	CLOSET	LAVATORIE	S	FOUNTAINS	SERVIC
		MEN	WOMEN				

ICE SINK

GROUP A-2 335 4.47 4.47 0.67 GROUP A-3 290 1.16 1.45 1.45 2.23 GROUP B 445 5.46 5.46 6.56 4.45 GROUP F-1 381 1.91 1.91 3.81 0.95 GROUP 5-1 46 0.23 0.23 0.46 0.05 TOTAL REQ'D. 13.23 14.30 13.96 7.54 TOTAL PROVIDED 34 26

ENERGY CODE

GROUP A-2 1/75 1/75

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 #7 - 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.

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 SHALL APPLY AND THE CONTRACTOR SHALL NOTIFY THE ARCHITECT IMMEDIATELY OF SUCH

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, WARRANTEES, 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 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 PRECEDENT 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

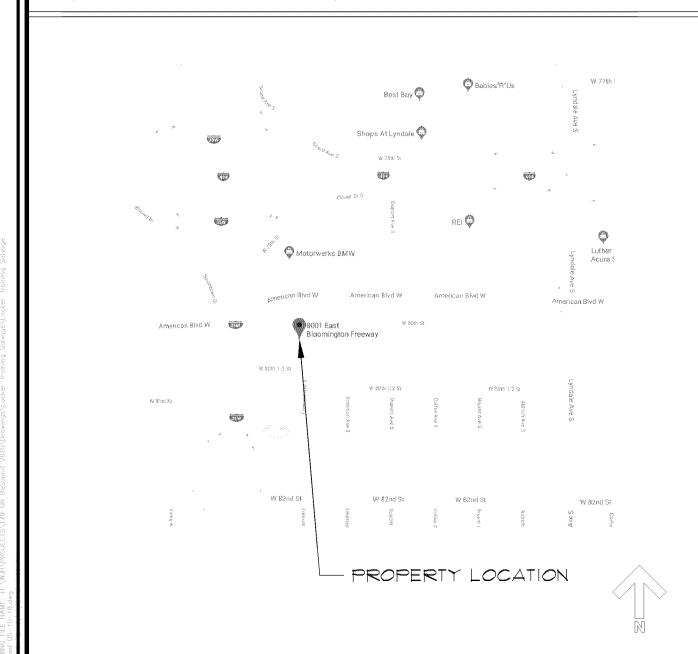
WORK WHICH CREATES EXCESSIVE NOISE OR DISRUPTION TO TENANTS SHALL BE PERFORMED DURING NON-BUSINESS HOURS ONLY. CONTRACTOR TO CORDINATE WITH BUILDING MANAGEMENT.

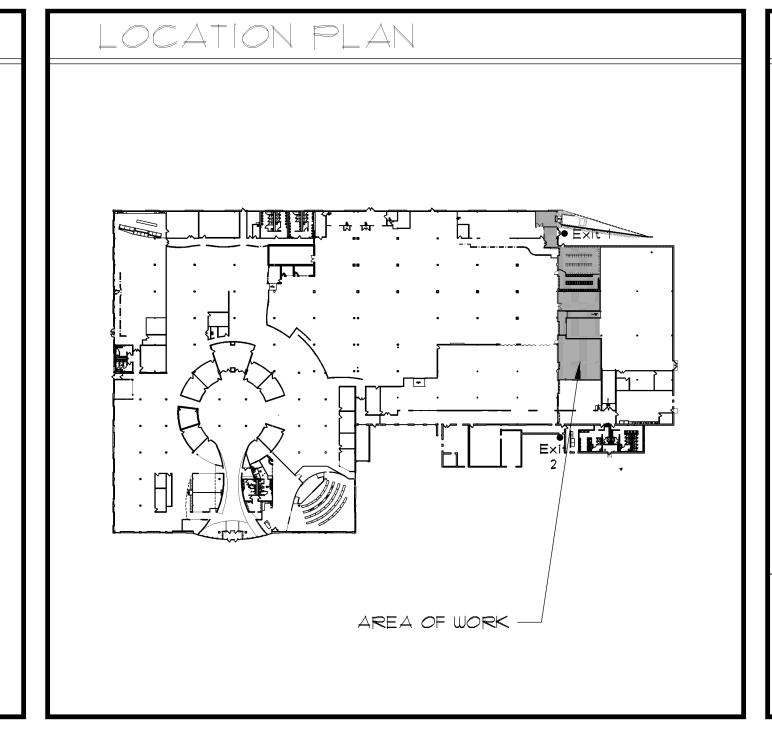
HVAC SHALL BE DESIGN BUILD UNDER SEPARATE CONTRACT

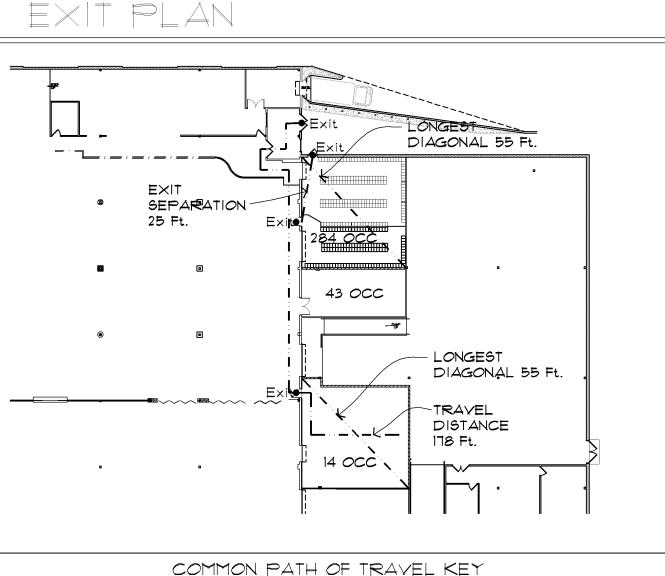
GENERAL CONTRACTOR SHALL HAVE COMPLETE MECHANICAL AND ELECTRICAL DRAWINGS COMPLETED AND SUBMITTED TO LOCAL AUTHORITIES FOR REQUIRED REVIEWS, APPROVALS AND PERMITS (AS REQUIRED BY THE GOVERNING JURISDICTION).

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

LOCATION MAP







Travel **⊕**Exít Distance 64) — — — Decision Start Point | Point Common Path I of Travel •Exit

Common Path of Travel: No Greater Than 75'(not sprinkled)

Exit Access Travel Distance: No Greater Than 250'

8175-B Lewis Road Golden Valley, Minnesota 55427 Phone: 763-398-0452 Fax: 763-398-0455 hereby certify that this plan, specification or report was prepared by me or under my direct supervision

Winther - Johnson - Robinson

Architects - Designers

Date: 04-10-18 Reg. No.: 19466

DNN. 2 KER d N N O 0 8 B

Issues & Revisions:

Origination Date:

Sheet Title: TITLE SHEET

CODE REVIEW

S

RE

Z

Location: 8001 Bloomington Freeway

Bloomington, MN 55420 17-179.01B As Noted

Project No.: Scale: Drawn By: RWC, KNL Approval:

04-10-18

OF 3 COPYRIGHT DRAWING & DESIGN 9018, WIRLING

CONSTRUCTION KEY NOTES (CONT.):

T.O.S. = TOP OF SLAB

RAMP UP

NORTH

SALVAGE 107

CONSTRUCTION PLAN

SCALE: 1/8" = 1'-0"

20

6

6 88

T.O.B. = TOP OF BITUMINOUS

- 25. SERVICE ENTRANCE IS CURRENTLY DR. 102A. THIS IS ALSO STAFF ENTRANCE. TO AVOID CONFLICT BETWEEN STAFF AND DELIVERIES A RELOCATED DELIVERY ENTRANCE IS NECCESSARY
- BITUMINOUS PAVEMENT: 2" SPWEA340B WEAR COURSE PER MNDOT 2360 BITUMINOUS TACK COAT PER MNDOT 2357 BETWEEN COURSES - 2" SPNWB33ØB NON-WEAR COURSE PER MNDOT 236Ø - 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 CONTRACTOR SHALL PREVENT SEDIMENT FROM LEAVING GRADING AREA AND MAINTAIN EROSION
- 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:

YOUNTROL UNTIL PAYEMENT IS RESTORED

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 TECHNICS. 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

- 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.
- NEW ASPHALT ON 6" CLASS 5 CRUSHED GRAVEL. FLUSH WITH EXISTING ASPHALT. PROVIDE POSITIVE SLOPE TO EXISTING ASPHALT.
- NEW B 6/12 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.
- 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'-0" imes 8'-0" imes 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'-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.
- 1. 6'-0" × 1'-0" 3 HR RATED DOOR SYSTEM WITH CLOSERS, COODINATOR, ASTRAGAL, I I/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" × 1'-0" DOOR SYSTEM WITH CLOSER, LEVER PASSAGE SET, I 1/2 PAIR HINGES PER DOOR. DOOR SHALL MATCH MAPLE DOORS USED THROUGHOUT BUILDING.
- 9. SEE DETAIL 2/AI FOR FLOOR TRANSITION.
- IØ. 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 5/8" GYP. BD. BOTH SIDES. FILL CAVITY WITH ACOUSTICAL INSULALATION. 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 $2\frac{1}{2}$ " STL STUD WITH $\frac{5}{8}$ GYP. BD.
- 13. FURR OUT CMU WALL WITH $2\frac{1}{2}$ " STL. STUD AT 24" O.C. WITH $\frac{5}{6}$ " 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 1/2" GYP. BD. EACH SIDE. WALL FROM WAREHOUSE FLOOR TO UNDERSIDE OF CONCRETE DECK ABOVE. PROVIDE SLIP TRACK AT TOP TRACK. FILL CAVITY WITH ACOUTSICAL BATT INSULLATION - 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.
 - RUN RAISED FLOOR INTO DOOR OPENING.
- 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.
- 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 7'-0" 3 HR. RATED DOOR SYSTEM WITH CLOSER, LEVER PASSAGE SET, I 1/2 PAIR HINGES PER DOOR. DOOR SHALL MATCH MAPLE DOORS USED THROUGHOUT BUILDING.
- 22. W8X18 LINTEL. LINTEL BOTTOM $\mathbb R$ (VERIFY WALL DIM.): 6" CMU N/A, 8" CMU $\mathbb R$ 1 4 imes 7 × CONT., 10" CMU - № ¼ × 9 × CONT., 12" CMU - № ¼ × 11 × CONT. BRG № ½×8×0'-8" WITH $2-\frac{1}{2}$ " $\phi \times 4$ " STUDS GROUT 2 CORES SOLID TO TOP OF FOOTING ELEVATION.
- PAINT 6" SOLID YELLOW LINE FROM PENISULA 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.



Winther - Johnson - Robinson Architects - Designers

8175-B Lewis Road Golden Valley, Minnesota 55427 Phone: 763-398-0452

Fax: 763-398-0455 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

Date: <u>04-10-18</u> Reg. No.: <u>19466</u>

Ш 0 $\frac{1}{2}$ 8 <u>B</u>

CITY COMMENTS \ 06-16-18 DELIVERY DRIVE / 2 \05-23-18 DELIVERY DRIVE 1 05-10-18 Issues & Revisions: 04-10-18 Origination Date:

Sheet Title:

S

Z

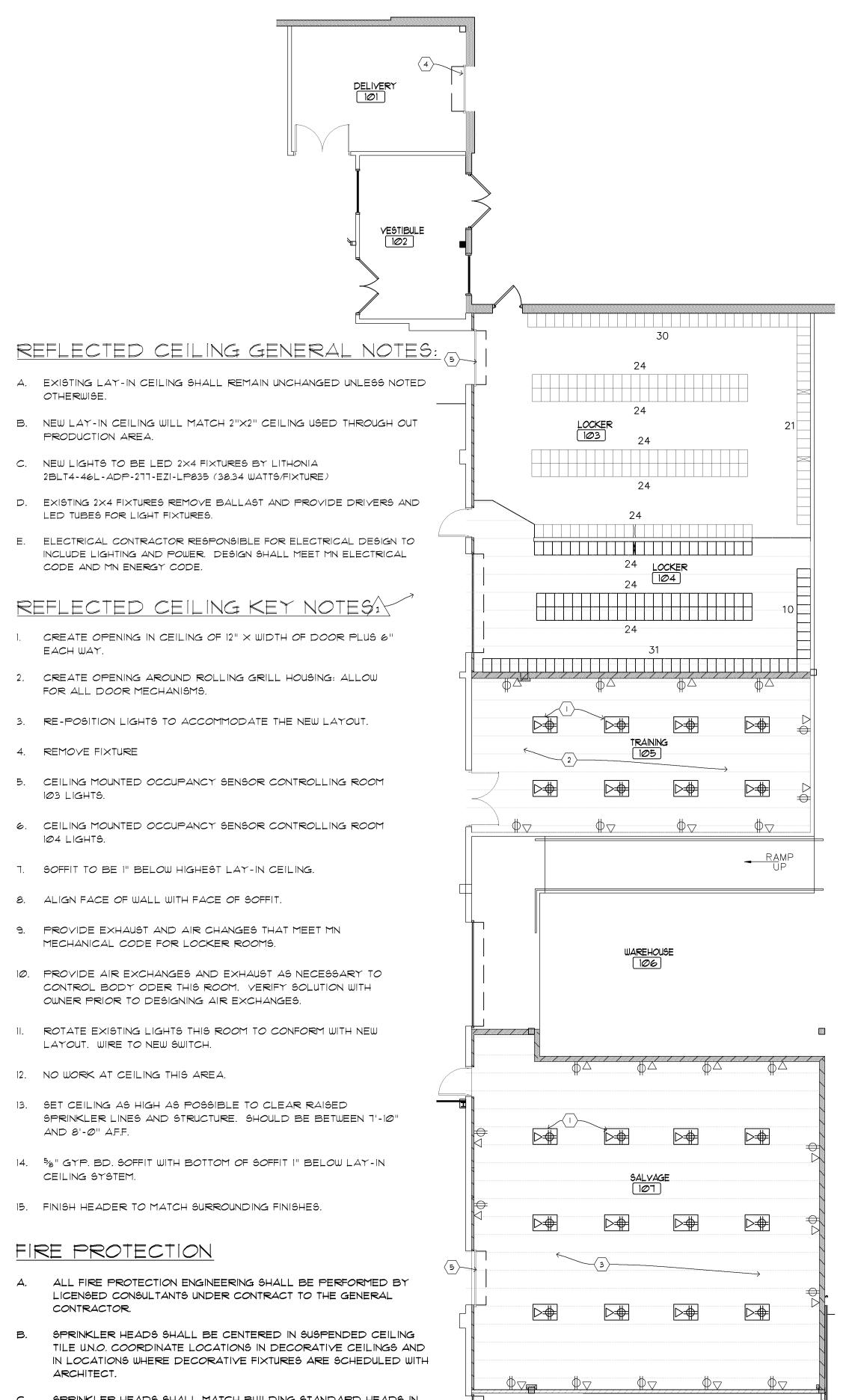
DEMOLITION & CONSTRUCTION PLANS

8001 Bloomington Freeway Bloomington, MN 55420

17-179.01B As Noted Drawn By: RWC, KNL Approval:

OF 3

C. COPYRIGHT DRAWING & DESIGN, 2018, WJR, NC.



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 EXTINGUISH
- ERS, 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.

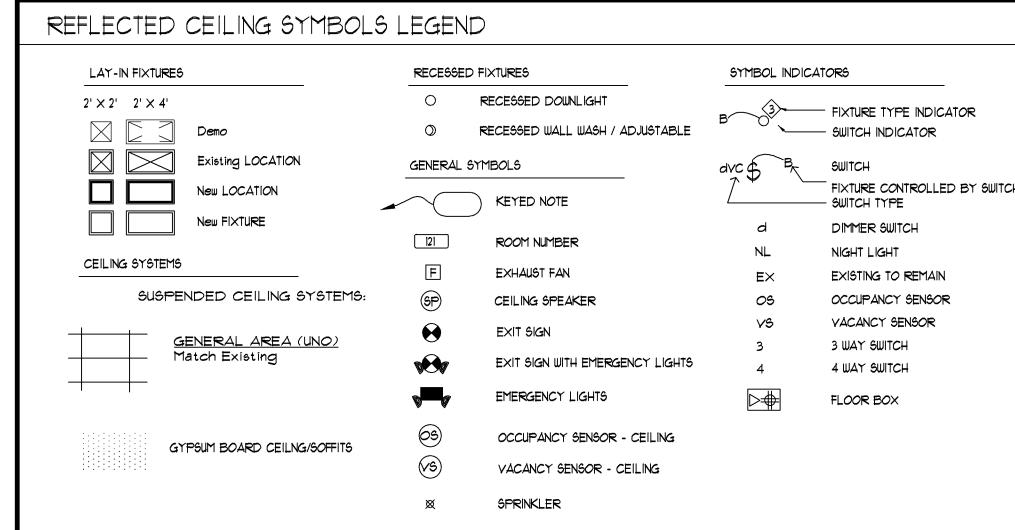
ELECTRICAL GENERAL NOTES:

A. 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:

I. COORDINATE FLOOR BOXES WITH OWNER.

- 2. 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.
- 3. 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
- 4. PROVIDE POWER AS NECESSARY FOR JACK SHAFT OPENER.
- 5. PROVIDE POWER AS NECESSARY FOR ROLLING SHUTTER. CONNECT TO FIRE ALARM SYSTEM.



MN ENERGY CODE INTERIOR LIGHTING COMPLIANCE CALCULATIONS:

\Diamond								
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.

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-277-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.

NORTH

SCALE: 1/8" = 1'-0"

Winther - Johnson - Robinson Architects - Designers

8175-B Lewis Road

Golden Valley, Minnesota 55427 Phone: 763-398-0452 Fax: 763-398-0455

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

REED F. ROBINSON Date: 04-10-18 Reg. No.: 19466

Laws of the State of Minnesota.

Issues & Revisions:

Origination Date: 04-10-18 Sheet Title: REFLECTED CEILING &

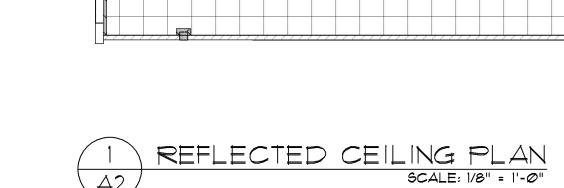
ELECTRICAL PLANS

8001 Bloomington Freeway Bloomington, MN 55420

17-179.01B Drawn By: RWC, KNL Approval:

OF 3

C. COPYRIGHT DRAWING & DESIGN 2018 / WJR.INC.



VESTIBULE

SOFFITS.

OTHERWISE.

EACH WAY.

4. REMOVE FIXTURE

103 LIGHTS.

104 LIGHTS.

WAREHOUSE 106

€

PRODUCTION AREA.

LED TUBES FOR LIGHT FIXTURES.

CODE AND MN ENERGY CODE.

FOR ALL DOOR MECHANISMS.

C. NEW LIGHTS TO BE LED 2×4 FIXTURES BY LITHONIA

2BLT4-46L-ADP-2TT-EZI-LP835 (38.34 WATT6/FIXTURE)

3. RE-POSITION LIGHTS TO ACCOMMODATE THE NEW LAYOUT.

7. SOFFIT TO BE I" BELOW HIGHEST LAY-IN CEILING.

9. PROVIDE EXHAUST AND AIR CHANGES THAT MEET MN

OWNER PRIOR TO DESIGNING AIR EXCHANGES.

15. FINISH HEADER TO MATCH SURROUNDING FINISHES.

CONTROL BODY ODER THIS ROOM. VERIFY SOLUTION WITH

SET CEILING AS HIGH AS POSSIBLE TO CLEAR RAISED

8. ALIGN FACE OF WALL WITH FACE OF SOFFIT.

LAYOUT. WIRE TO NEW SWITCH.

12. NO WORK AT CEILING THIS AREA.

AND 8'-Ø" A.F.F.

CEILING SYSTEM.

NORTH

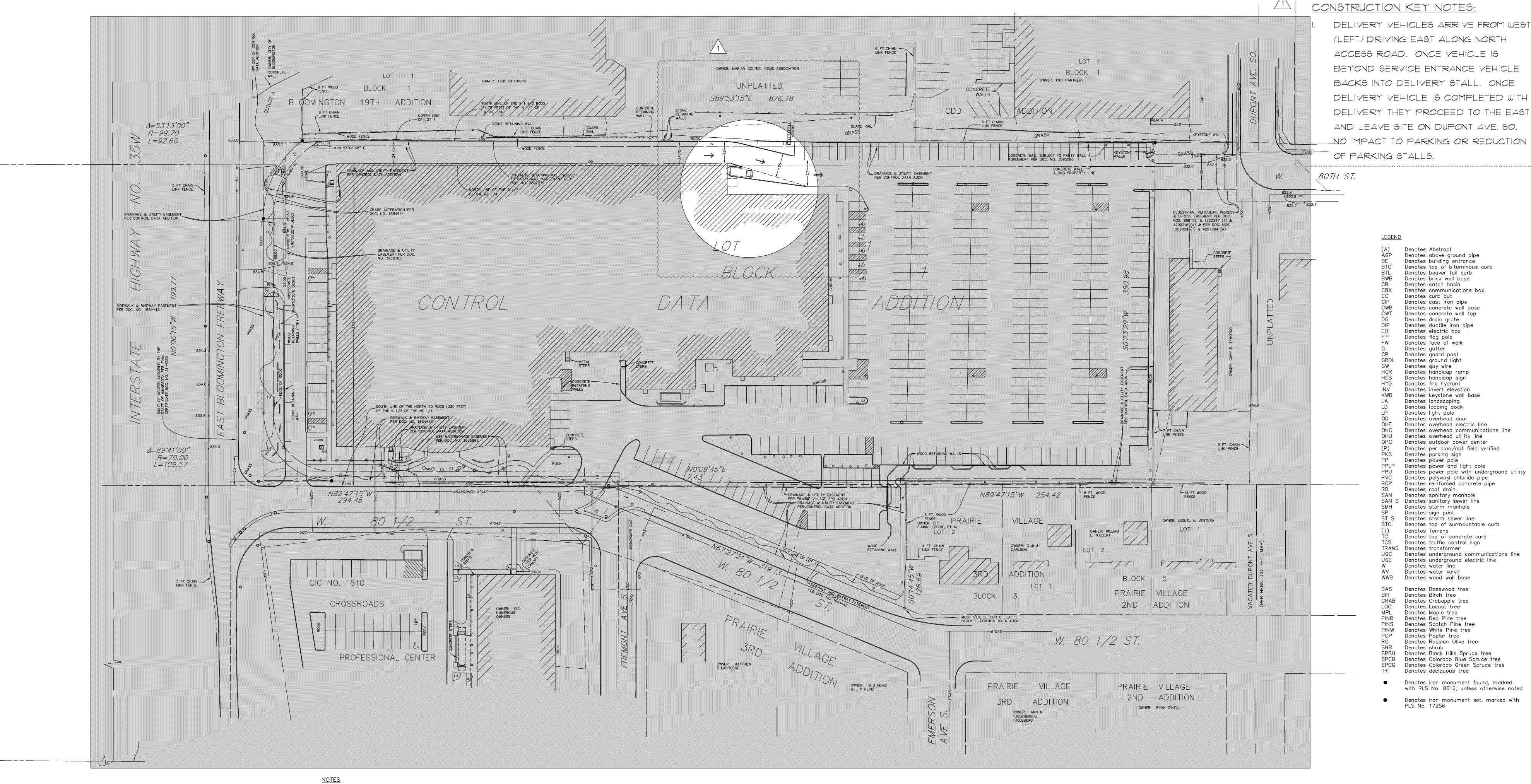
MECHANICAL CODE FOR LOCKER ROOMS.

FIRE PROTECTION A. 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 UN.O. COORDINATE LOCATIONS IN DECORATIVE CEILINGS AND IN LOCATIONS WHERE DECORATIVE FIXTURES ARE SCHEDULED WITH

SPRINKLER HEADS SHALL MATCH BUILDING STANDARD HEADS IN AREA OF CONSTRUCTION.

D. FLUSH COVERED HEADS SHALL BE INSTALLED IN GYPSUM BOARD



DESCRIPTION OF PROPERTY SURVEYED (Per Certificate of Title Certificate Number 1171433)

Lot 1, Block 1, Control Data Addition.

Subject to drainage and utility easements as shown on plat of Prairie Village 3rd Addition;

Subject to minerals and mineral rights reserved by the State of Minnesota;

Together with an exclusive easement, 36 feet in width, created by Doc. No. 896173, for ingress and egress, over and across those parts of the South 12.75 feet of the East 1419 feet of the North Half of the Northeast Quarter and the North 23.25 feet of the East 1419 feet of the South Half of the Northeast Quarter, which lie West of the Southerly extension of the West line of Dupont Avenue South, all in Section 4, Township 27, Range 24; (Now as to above land, except that part thereof embraced within the plat of Prairie Village 3rd Addition)

Subject to drainage and utility easements as shown on plat;

Subject to Party Wall Agreements as contained in CR Book 2620 of Deeds, Page 563, as Doc. No. 3695086 and in Doc. No. 3807279; (Now as to above land, except that part thereof embraced within the plat of Prairie Village 3rd Addition)

Subject to an easement in favor of Northern States Power Company contained in CR Book 2603 of Deeds, page 179, Doc. No. 3675962, over those portions of above described premises described as follows: The South 10 feet of the West 365 feet and a 10-foot strip of land being 5 feet on each side of the following described centerline: Commencing at the Southwest corner of above described premises; thence Easterly along the South line of said premises, a distance of 144 feet; thence deflecting to the left at an angle of 90 degrees, a distance of 35 feet and there terminating; (Now as to above land, except that part thereof embraced within the plat of Prairie Village 3rd Addition)

Subject to a limitation on the right of access to Interstate Highway No. 35W as contained in instrument recorded in CR Book 2186 of Deeds, page 393, as Doc. No. 3144585; (Now as to above land except that part thereof embraced within the plat of Prairie Village 3rd Addition)

- 1.) Location and sizes of underground utilities shown hereon are approximate only and are shown based on field location of visible fixtures in combination with available data provided by various sources. Some underground utility locations are shown as marked onsite by those utility companies whose locators responded to our Gopher State One Call, ticket numbers 80664606 & 80664607. Utilities shown are dependent on the completeness and accuracy of data provided. Other underground utilities of which we are unaware may exist. Verify all utilities critical to construction or design.
- 2.) Contact GOPHER STATE ONE CALL at 651-454-0002 (800-252-1166) for precise onsite location of utilities prior to any excavation.
- 3.) Property subject to the rights of GN ReSound Corporation as tenant under an unrecorded lease, as limited and subordinated pursuant to the terms and conditions of that certain Subordination and Non-Disturbance Agreement dated June 29, 2001.
- 4.) Property subject to a reservation of any minerals and mineral rights by the State of Minnesota.
- 5.) Property subject to a limitation on the right of access to Interstate Highway No. 35W, as well as the right to construct and maintain temporary snow fences as contained in an instrument recorded in Book 2186 of Deeds, page 393, as Document No. 3144585 office of the Hennepin County Recorder. (Now as to Lot 1 except that part thereof embraced within the plat of Prairie Village 3rd Addition)
- 6.) Property subject to the right to construct and maintain snow fence easements as evidenced by that certain Quit Claim Deed (Easement) dated May 31, 2000, filed August 8, 2000, as Document No. 3303673.
- 7.) Property subject to terms and conditions of that certain Variance filed February 2, 2001, as Document No.
- 8.) This survey was prepared without the benefit of current title work. Easements, appurtenances, and encumbrances may exist in addition to those shown hereon. This survey is subject to revision upon receipt of a current title insurance commitment or attorney's title opinion.
- 9.) Area = 338,602 square feet or 7.773 acres
- 10.) Adjoining ownership information shown hereon was obtained from the Hennepin County Property Tax Information website. Ownership Information is subject to revision upon receipt of a title search by a title insurance company.

11.) Zoning shown hereon is per zoning letter dated October 26, 2005, as

Zoning and setback information as provided by the Planning Department of the City of Bloomington: The subject property is zoned I-3 (General Industrial District) and R-1 (Single Family Residential District). The setbacks for zone I-3 are:

Building: Front = 25 feet per resolution No. 2001-4, Doc. No. 3356770Side = 10 feet Rear = 25 feet

Side/Rear adjoining street = 35 feet

Parkina: Front = 20 feet Rear/Side = None

Parking requirement: Office: 5 spaces per 1000 sq. ft. Warehouse: 1 space per 800 sq. ft. Production: 1 space per 800 sq. ft or 1 space per employee plus 1 space for each vehicle used in conduct of the enterprise, whichever is greater.

Density requirement: There are no (FAR) density requirements for properties zoned I-3.

Height requirement: Maximum height of any building or structure is 3 stories/40 feet if the building is 31-300 feet from the property lines of any protected residential property.

The setbacks for zone R-1 are: Building: Front = 30 feet Side = 10 feet Side adjoining street = 30 feet Rear = 30 feet

Parking: Street = 20 feet Interior lot line = 10 feet

Restrictions (i.e., building setbacks, height and bulk restrictions, etc.) shown hereon are based on information provided and are subject to interpretation.

- 12.) Survey coordinate & bearing basis: Hennepin County coordinates
- 13.) At the time field work was performed for this survey, there was a significant amount of snow on the ground. Physical features were located to the best of our ability, but there may be additional features that were not visible and, therefore, not shown hereon.

<u>BENCHMARKS</u>

- 1.) Top of top nut of fire hydrant on the north side of West 80 1/2 Street at Fremont Elevation = 831.06 feet
- 2.) Top of top nut of fire hydrant 62± feet northwest of the northeast corner of the Elevation = 833.46 feet

I hereby certify that this survey, plan, or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota. Dated this 15th day of January, 2009

Denotes Abstract

Denotes curb cut

Denotes cast iron pipe

Denotes drain grate Denotes ductile iron pipe Denotes electric box Denotes flag pole Denotes face of walk Denotes gutter Denotes guard post Denotes ground light Denotes guy wire Denotes handicap ramp

Denotes fire hydrant Denotes invert elevation Denotes keystone wall base

Denotes landscaping

Denotes light pole Denotes overhead door

Denotes loading dock

Denotes parking sign

Denotes power pole

Denotes roof drain

Denotes Torrens

Denotes water line

Denotes water valve

Denotes wood wall base

Denotes Basswood tree

Denotes Birch tree Denotes Crabapple tree

Denotes Locust tree Denotes Maple tree

Denotes shrub

PLS No. 17256

Denotes Red Pine tree Denotes Scotch Pine tree Denotes White Pine tree Denotes Poplar tree

Denotes Russian Olive tree

Denotes deciduous tree

Denotes Black Hills Spruce tree

Denotes Colorado Blue Spruce tree Denotes Colorado Green Spruce tree

Denotes iron monument found, marked

with RLS No. 8612, unless otherwise noted

Denotes iron monument set, marked with

Denotes overhead electric line

Denotes overhead utility line Denotes outdoor power center Denotes per plan/not field verified

Denotes power and light pole

Denotes polyvinyl chloride pipe Denotes reinforced concrete pipe

Denotes sanitary manhole

Denotes storm sewer line

Denotes top of surmountable curb

Denotes underground electric line

Denotes underground communications line

Denotes top of concrete curb Denotes traffic control sign

Denotes sanitary sewer line Denotes storm manhole Denotes sign post

Denotes overhead communications line

Denotes power pole with underground utility

Denotes concrete wall base

Denotes above ground pipe Denotes building entrance Denotes top of bituminous curb

Denotes beaver tail curb Denotes brick wall base Denotes catch basin

Denotes communications box

By: ______ Scott J. Soukup, P.L.S. Minn. Lic. No. 17256

SUNDE LAND SURVEYING, LLC.

SMT 01/22/2009 ∕∕√|Floor elevations ∖|Update SMT 01/15/2009 By Date Originally dated 5/01/1998 BOUNDARY, LOCATION, TOPOGRAPHIC and UTILITY SURVEY FOR: Bently Forbes - GRMN, LLC 8001 EAST BLOOMINGTON FREEWAY 9001 East Bloomington Freeway (35W) • Suite 118

Bloomington, Minnesota 55420-3435

952-881-2455 (Fax: 952-888-9526) LAND SURVEYING North Office: www.sunde.com Project: 82-198-BF2 Bk/Pg: 749/28 Township: 27 Range: 24 Section: 4

Brooklyn Park, Minn. 763-784-9346 Date: 01/15/2009 Sheet: 1 of 1 File: 82198BF2001R.dwg