KINGDOM HALL

PROJECT ADDRESS:

383 ALL ANGELS HILL RD, HOPEWELL JUNCTION NY

GENERAL
G-001 COVER SHEET

CIVIL
CD101 DEMOLITION PLAN
C-501 SITE DETAILS
C-502 SITE DETAILS
CS101 SITE PLAN
LP101 LANDSCAPE PLAN

ARCHITECTURAL
AD201 DEMOLITION EXTERIOR ELEVATIONS
AD202 DEMOLITION EXTERIOR ELEVATIONS
A-104 ROOF PLAN
A-201 EXTERIOR ELEVATIONS
A-202 EXTERIOR ELEVATIONS
A-501 EXTERIOR DETAILS

ELECTRICAL
E-001 GENERAL NOTES
E-101 LIGHTING PLAN
E-102 LIGHTING PLAN
ES101 ELECTRICAL SITE PLAN
ES102 ELECTRICAL SITE PLAN

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR
AHJ	AUTHORITY HAVING JURISDICTION
B.O.D.	BASIS OF DESIGN
CB	CONTRIBUTION BOX
CL	CENTERLINE
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONF	CONFERENCE
CJ	CONTROL JOINT
DWG	DRAWING
EIFS	EXTERIOR INSULATION AND FINISH SYSTEM
ELEC	ELECTRICAL
ELEV	ELEVATION
EWC	ELECTRIC WATER COOLER
EXT	EXTERIOR
FE	FIRE EXTINGUISHER
FF	FINISHED FLOOR
F.O.	FACE OF
FRP	FIBERGLASS REINFORCED PLASTIC
ICF	INSULATED CONCRETE FORMS
INT	INTERIOR
MDF	MEDIUM-DENSITY FIBERBOARD
O.A.	OPEN ABOVE
OCC	OCUPANCY LOAD
RO	ROUGH OPENING
S.O.W.	SCOPE OF WORK
SIM	SIMILAR
SS	STAINLESS STEEL
STL	STEEL
TOM	TOP OF MASONRY
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED

PROJECT SUMMARY

SCOPE OF WORK

INTERIOR
REPLACE CARPET
REPLACE CHAIRS
REPLACE INTERIOR DOORS
REPLACE ALL LIGHTING
REMOVE TILE IN LOBBY AND BATHROOMS
REMOVE WALL VINYL, PAINT WALLS
NEW FINISHES IN BATHROOMS
MAKE PLATFORM ACCESSIBLE

EXTERIOR
REPLACE ALL SIDING, EXTERIOR STONE AND SOFFIT
NEW GUTTERS AND FASCIA
REPLACE FREE STANDING SIGN
REPAIR PARKING LOT CRACKS
UPGRADE WALL-MOUNTED LIGHT FIXTURES
NEW SIDEWALK SECTIONS
ANY CHANGES TO THE SEPTIC SYSTEM LOADS TO BE FILED WITH THE HEALTH DEPARTMENT
WATERPROOF EXPOSED AREAS OF CMU

CONSTRUCTION TYPE:	2B
SPRINKLERED:	NO
FIRE ALARM SYSTEM:	YES
OCCUPANCY GROUP:	A-3 (PLACE OF RELIGIOUS WORSHIP)
PROPERTY ID#	USA6187-B01
ZONING	R-40 RESIDENTIAL

APPLICABLE CODES

BUILDING:	2020 EXISTING BUILDING CODE OF NEW YORK
MECHANICAL:	MECHANICAL CODE 2015 OF NEW YORK STATE
ELECTRICAL:	NFPA NATIONAL ELECTRIC CODE 2017
ENERGY CODE:	2020 INTERNATIONAL ENERGY CONSERVATION CODE OF NYS
ACCESSIBILITY CODE:	ICCA117.1 2009
** WITH AMENDMENTS	

HuB INFORMATION

HuB INCIDENT NO.:	INC000000
HuB PROJECT TRACKING NO.:	PT0000

BUILDING INFORMATION

HuB PROPERTY ID:	USA6187
HuB BUILDING ID:	B01
NO. OF CONGREGATIONS:	6
NO. OF LANGUAGES:	5
BUILDING NOMINAL SIZE:	USA170

CIVIL

SITE ELEVATION:	000 FT ABOVE SEA LEVEL
WASTE:	SEPTIC SYSTEM
WATER SERVICE:	WELL
FUEL SERVICE:	PROPANE

SYMBOLS LEGEND

- A — COLUMN LINE INDICATOR
- A201 — KEY NOTE INDICATOR
- A1 — EQUIPMENT ACCESSORY INDICATOR
- A — DOOR INDICATOR; SEE SHEET A-601
- A — WINDOW INDICATOR; SEE SHEET A-601
- WALL TYPE INDICATOR; SEE SHEET A-101
- 1 / A-101 — DETAIL CALL-OUT
- A / A-101 — SECTION INDICATOR FULL
- A / A-101 — SECTION INDICATOR PARTIAL
- A / A-101 — ELEVATION INDICATOR (EXTERIOR)
- D / A / A-101 / B / C — ELEVATION INDICATOR (INTERIOR)
- XX / XXX / XXX / XXX — -EXIT TYPE -WIDTH -ALLOWED CAPACITY -ACTUAL LOAD
- NORTH ARROW
- RTU / 1 — EQUIPMENT TAG

CONTACT INFORMATION

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CODE COMPLIANCE NOTES:

1. THIS FILING SHALL BE IN ACCORDANCE WITH THE 2020 EXISTING BUILDING CODE OF NYS, CHAPTER 7 ALTERATIONS LEVEL 1

2 602.1 SCOPE:
LEVEL 1 ALTERATIONS INCLUDE THE REMOVAL AND REPLACEMENT OR THE COVERING OF EXISTING MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES USING NEW MATERIALS, ELEMENTS, EQUIPMENT, OR FIXTURES THAT SERVE THE SAME PURPOSE.

3 SECTION 702 BUILDING ELEMENTS AND MATERIALS
702.1 INTERIOR FINISHES. NEWLY INSTALLED INTERIOR WALL AND CEILING FINISHES SHALL COMPLY WITH CHAPTER 8 OF THE BUILDING CODE OF NEW YORK STATE. TABLE 803.13 INTERIOR WALL AND CEILING FINISHES. CLASS C INTERIOR FINISHES FOR ROOMS AND ENCLOSED SPACES SHALL BE PERMITTED IN PLACES OF ASSEMBLY OF AN OCCUPANT LOAD OF 300 OR LESS. CLASS C=FLAME SPREAD INDEX 76-200; SMOKE DEVELOPED INDEX 0-450. TESTED ACCORDING TO ASTM E84 OR UL 723. ACOUSTICAL CEILING TILE RECOMMENDED TO BE CLASS A. FLAME SPREAD INDEX 0-25; SMOKE DEVELOPED INDEX 0-450. ACOUSTICAL CEILING SYSTEMS TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS.

702.6 MATERIALS AND METHODS: NEW WORK SHALL COMPLY WITH THE MATERIALS AND METHODS REQUIREMENTS IN THE INTERNATIONAL BUILDING CODE, INTERNATIONAL ENERGY CONSERVATION CODE, INTERNATIONAL MECHANICAL CODE, AND INTERNATIONAL PLUMBING CODE, AS APPLICABLE, THAT SPECIFY MATERIALS STANDARDS, DETAIL OF INSTALLATION AND CONNECTION, JOINTS, PENETRATIONS, AND CONTINUITY OF ANY ELEMENT, COMPONENT, OR SYSTEM IN THE BUILDING.

4. 703 FIRE PROTECTION:
703.1 ALTERATIONS SHALL BE DONE IN A MANNER THAT MAINTAINS THE LEVEL OF FIRE PROTECTION PROVIDED. THE EXISTING OPERATIONAL FIRE AND SMOKE DETECTING SYSTEM MONITORED BY THIRD PARTY SHALL BE MAINTAINED.

5. 704 MEANS OF EGRESS:
704.1 GENERAL: ALTERATIONS SHALL BE DONE INA A MANNER THAT MAINTAINS THE LEVEL OF PROTECTION PROVIDED FOR THE MEANS OF EGRESS. NO CHANGE TO THE EXISTING MEANS OF EGRESS IS PROPOSED.

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REGISTERED ARCHITECT THOMAS KALIMERIS 020437 STATE OF NEW YORK

CONSULTANT:

MARK:	DATE:	DESCRIPTION:
-	26 OCT 24	AFP

OWNER:
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383 All Angels Hill Road
Hopewell Junction, NY 12590

PROJECT TITLE:
HOPEWELL JUNCTION KINGDOM HALL
383 All Angels Hill Rd
Hopewell Junction, NY

SHEET TITLE:
COVER SHEET

PROJECT No.
20941

SHEET No.
G-001

XREF: IMAGE:

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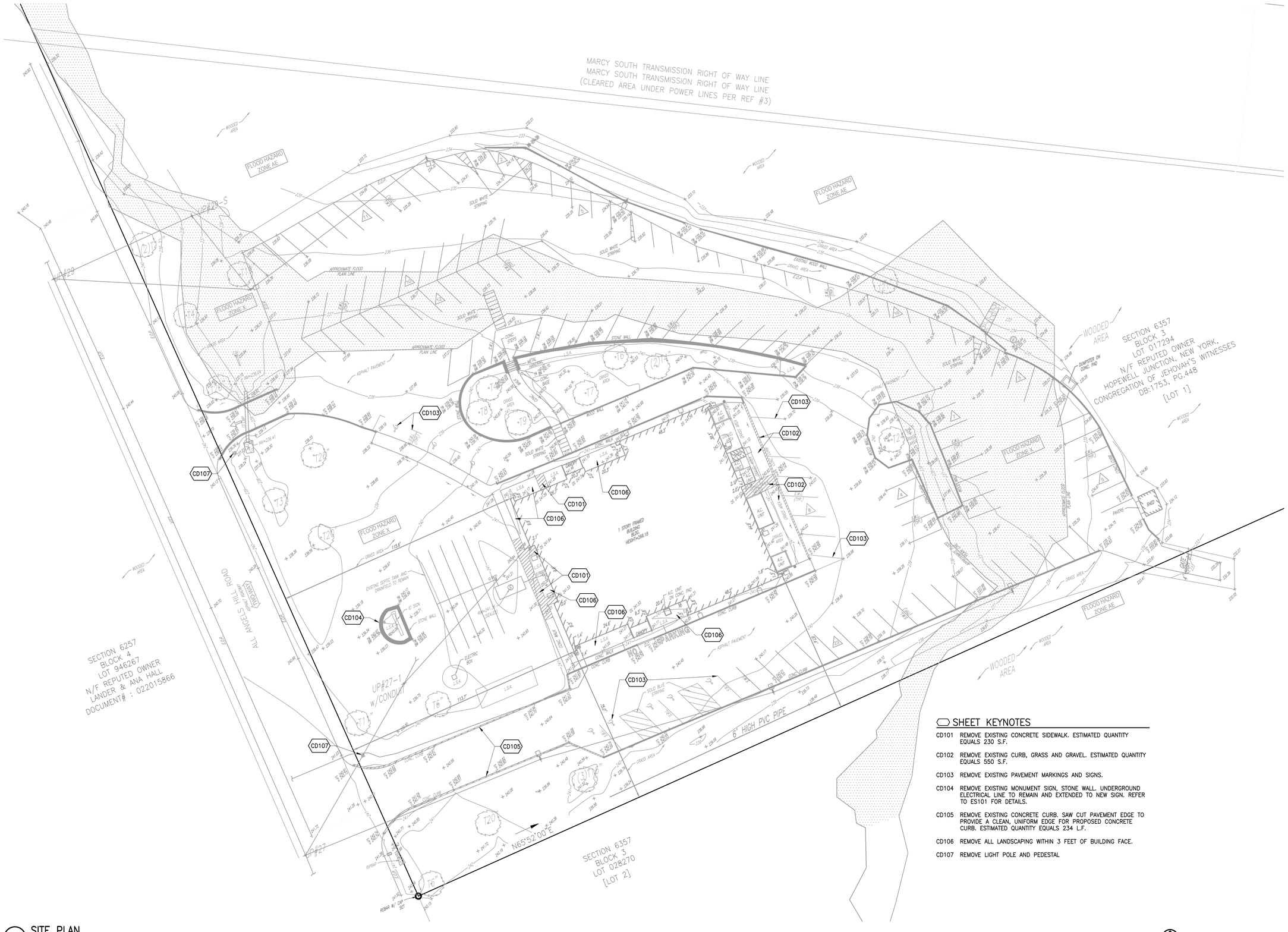

SHEET KEYNOTES

CD101 REMOVE EXISTING CONCRETE SIDEWALK. ESTIMATED QUANTITY EQUALS 230 S.F.

CD102 REMOVE EXISTING CURB, GRASS AND GRAVEL. ESTIMATED QUANTITY EQUALS 550 S.F.

CD103 REMOVE EXISTING PAVEMENT MARKINGS AND SIGNS.

CD104 REMOVE EXISTING MONUMENT SIGN, STONE WALL, UNDERGROUND ELECTRICAL LINE TO REMAIN AND EXTENDED TO NEW SIGN. REFER TO ES101 FOR DETAILS.

CD105 REMOVE EXISTING CONCRETE CURB. SAW CUT PAVEMENT EDGE TO PROVIDE A CLEAN, UNIFORM EDGE FOR PROPOSED CONCRETE CURB. ESTIMATED QUANTITY EQUALS 234 L.F.

CD106 REMOVE ALL LANDSCAPING WITHIN 3 FEET OF BUILDING FACE.

CD107 REMOVE LIGHT POLE AND PEDESTAL

1 SITE PLAN

CIVIL ENGINEER

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PROJECT TITLE:
HOPEWELL JUNCTION KINGDOM HALL
383 All Angels Hill Rd
Hopewell Junction, NY

SHEET TITLE:
DEMOLITION PLAN

PROJECT No.
20941

SHEET No.
CD-101

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SHEET KEYNOTES

CS101 CONSTRUCT NEW CONCRETE SIDEWALK TO SLOPE SIDEWALK AWAY FROM BUILDING AT 2%. SEE DETAIL. CONSTRUCT LANDINGS AND DOOR ENTRYS TO COMPLY WITH ADA STANDARDS. ESTIMATED QUANTITY EQUALS 272 S.F.

CS102 CONSTRUCT 6' WIDE CONCRETE SIDEWALK IN PLACE OF EXISTING GRASS AND GRAVEL AREA. MAINTAIN TOP EDGE OF SIDEWALK 6" ABOVE EDGE OF PAVEMENT EXCEPT WHERE ACCESSIBLE RAMPS ARE LOCATED. SLOPE SIDEWALK AWAY FROM BUILDING AT 2%. SEE DETAIL. ESTIMATED QUANTITY EQUALS 586 S.F.

CS103 SAW CUT PAVEMENT, REMOVE PAVEMENT SECTION AND REPLACE WITH NEW PAVEMENT SECTION. SLOPE TO PROVIDE POSITIVE DRAINAGE RUNOFF. ESTIMATED QUANTITY EQUALS 330 S.F.

CS104 INSTALL NDS FLO-WELL DRY WELL WITH 24" SQUARE DRAINAGE STRUCTURE PER MANUFACTURERS SPECIFICATIONS. REFER TO C-502 SITE DETAILS 15 AND 16 FOR INSTALLATION DETAILS.

CS105 INSTALL ACCESSIBLE STRIPING AND SIGNAGE PER DETAIL. QUANTITY EQUALS 5 EACH.

CS106 SOLID 4" WHITE PAINT PARKING SPACE STRIPING.

CS107 INSTALL "PARKING FOR ELDERLY" SIGN & POST. QUANTITY EQUALS 5 EA.

CS108 ADD CLEAN/WASHED 3/4" CRUSHED/ANGULAR AGGREGATE TO REPAIR PARKING AREA. QUANTITY EQUALS 1,600 S.F.

CS109 CONSTRUCT NEW MONUMENT SIGN PER DETAIL.

CS110 CONSTRUCT VERTICAL CONCRETE CURB PER DETAIL. QUANTITY EQUALS 234 L.F.

CS111 IF NECESSARY, RELOCATE BOLLARD TO PROVIDE 36" CLEAR ACCESSIBLE WIDTH.

1" = 20'
0' 10' 20' 40'
TRUE

1 SITE PLAN

CIVIL ENGINEER
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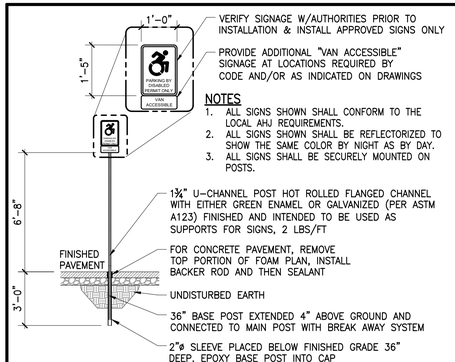


VERIFY SIGNAGE W/AUTHORITIES PRIOR TO INSTALLATION & INSTALL APPROVED SIGNS ONLY

PROVIDE ADDITIONAL "VAN ACCESSIBLE" SIGNAGE AT LOCATIONS REQUIRED BY CODE AND/OR AS INDICATED ON DRAWINGS

NOTES
1. ALL SIGNS SHOWN SHALL CONFORM TO THE LOCAL AHJ REQUIREMENTS.
2. ALL SIGNS SHOWN SHALL BE RETROREFLECTORIZED TO SHOW THE SAME COLOR BY NIGHT AS BY DAY.
3. ALL SIGNS SHALL BE SECURELY MOUNTED ON POSTS.

1¾" U-CHANNEL POST HOT ROLLED FLANGED CHANNEL WITH EITHER GREEN ENAMEL OR GALVANIZED (PER ASTM A123) FINISHED AND INTENDED TO BE USED AS SUPPORTS FOR SIGNS, 2 LBS/FT

FOR CONCRETE PAVEMENT, REMOVE TOP PORTION OF FOAM PLAN, INSTALL BACKER ROD AND THEN SEALANT

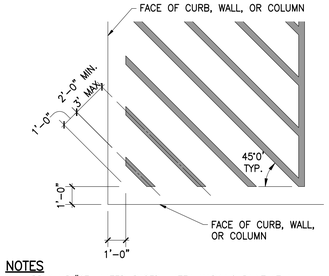
UNDISTURBED EARTH

36" BASE POST EXTENDED 4" ABOVE GROUND AND CONNECTED TO MAIN POST WITH BREAK AWAY SYSTEM

2"ø SLEEVE PLACED BELOW FINISHED GRADE 36" DEEP. EPOXY BASE POST INTO CAP

1 DETAIL – ACCESSIBLE PARKING SIGN

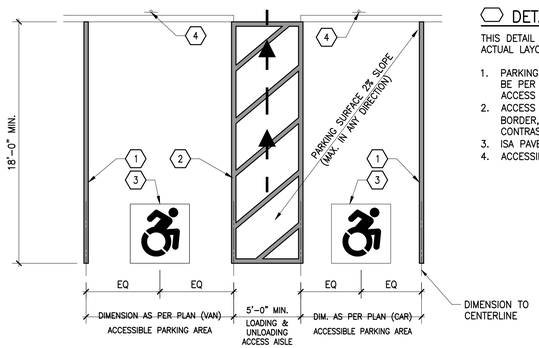
1/4"=1'-0" 0" 2'-0" 4'-0" 8'-0"



NOTES
1. APPLY MPI#97, WATER-BASED, LATEX MARKING PAINT AT A RATE OF ONE GALLON PER 300-400 LF OF FOUR INCH WIDE STRIPES OR TO MANUFACTURER'S SPECIFICATION TO A MINIMUM THICKNESS OF 15 MILS. APPLY STRIPES STRAIGHT AND EVEN WHEN TEMPERATURES ARE WITHIN 50°F AND 95°F. ALLOW PAVING TO AGE 30 DAYS BEFORE APPLYING MARKINGS.
2. WHITE PAINT FOR ASPHALT, YELLOW PAINT FOR CONCRETE.

2 DETAIL – DIAGONAL STRIPING (TYP)

1/4"=1'-0" 0" 2'-0" 4'-0" 8'-0"



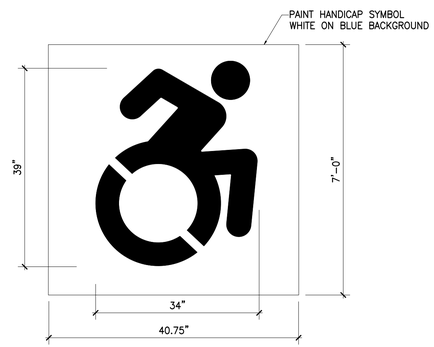
3 DETAIL – ACCESSIBLE PARKING STRIPING

3/16"=1'-0" 0" 2'-0" 4'-0" 8'-0"

DETAIL KEYNOTES

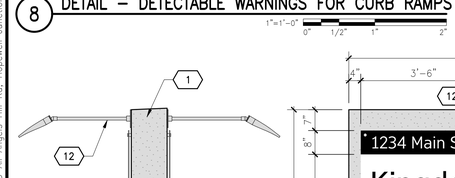
THIS DETAIL CONTAINS TYPICAL SPECIFICATIONS, CONSULT PLAN FOR ACTUAL LAYOUT.

1. PARKING AREA SHALL BE MARKED BY 4" WIDE BORDER. COLOR SHALL BE PER LOCAL AHJ REQUIREMENTS. APPLIES TO BOTH SIDES OF ACCESS AISLE AT DOUBLE PARKING STALLS*
2. ACCESS AISLE SHALL BE MARKED BY 4" WIDE BORDER. WITHIN BORDER, HATCHED LINES 36" O.C. MAX. SHALL BE PAINTED COLOR CONTRASTING WITH PARKING SURFACE PER LOCAL AHJ REQUIREMENTS.
3. ISA PAVEMENT MARKING. SEE DETAIL 4/C-501
4. ACCESSIBLE PARKING SIGN. SEE SEPARATE DETAIL 1/C-501



4 NEW YORK STATE DETAIL – ISA MARKING (TYP)

1/2"=1'-0" 0" 1'-0" 2'-0" 4'-0"



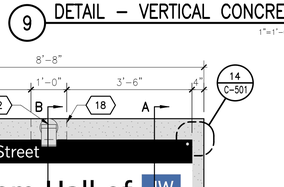
ENLARGED SECTION A–A

ENLARGED SECTION B–B

NOTES
1. WHERE REQUIRED REINFORCEMENT WILL BE No. 3 BARS 22" O.C. EACH WAY MAX. SPACING
2. PROVIDE 1/2" EXPANSION JOINT BETWEEN SIDEWALK AND ALL FIXED OBJECTS
3. IN COLDER CLIMATES USE 3%–6% AIR ENTRAINMENT.
4. CONCRETE SHALL BE 3,500 PSI
5. SIDEWALKS MEETING EXISTING SIDEWALKS SHALL MATCH PATTERN, FINISH AND COLOR OF EXISTING SIDEWALKS.

5 DETAIL – CONCRETE SIDEWALK

1"=1'-0" 0" 6" 1'-0" 2'-0"

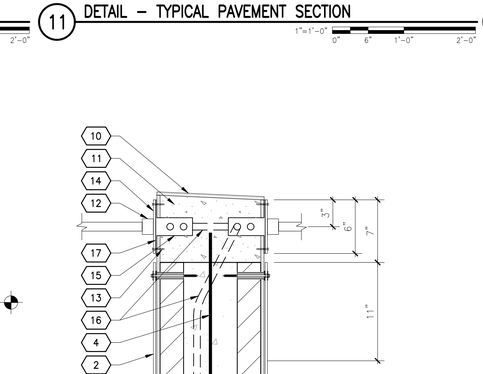


NOTES
1. PAINT STRIPING WITH TRAFFIC PAINT, TYP. 2 COATS, 15 MILS THICK EACH COAT
2. WHITE PAINT FOR ASPHALT, YELLOW PAINT FOR CONCRETE.

6 DETAIL – PARKING STRIPING

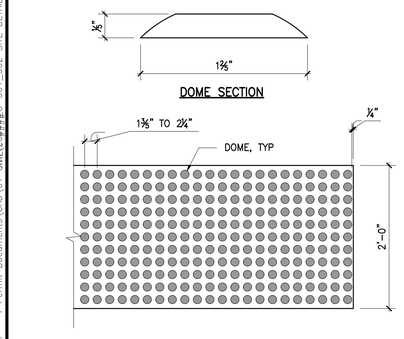
3/16"=1'-0" 0" 2'-0" 4'-0" 8'-0"

NOTES
1. THE CROSS SLOPE OF A CURB RAMP SHOULD BE AS FLAT AS POSSIBLE, NOT TO EXCEED 2%.
2. RAMP TRANSITIONS BETWEEN WALKS, LANDINGS, AND GUTTERS SHALL BE FLUSH AND FREE OF ABRUPT VERTICAL CHANGES (1/4" MAX).
3. THE MAXIMUM LONGITUDINAL SLOPE ON CURB RAMP IS 8.33% (5% PREFERRED).
4. WHERE A PEDESTRIAN WALKWAY CROSSES THE CURB RAMP, THE SIDE FLARES SHOULD NOT EXCEED A SLOPE OF 10% MEASURED PARALLEL TO THE CURB LINE.
5. ALL CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE AS SHOWN. THE REMAINDER OF THE RAMP SHALL HAVE A SLIP RESISTANT SURFACE – A COARSE BROOM FINISH RUNNING PERPENDICULAR TO THE SLOPE.
6. THE SIZE OF THE DETECTABLE FIELD SHALL BE 2'-0" IN THE DIRECTION OF TRAVEL AND SHALL EXTEND THE FULL WIDTH OF THE CURB RAMP OR FLUSH SURFACE, EXCLUDING SIDE FLARES.
7. THE ROWS OF DOMES ON DETECTABLE WARNING SURFACE SHALL BE ALIGNED TO BE PERPENDICULAR TO THE GRADE BREAK BETWEEN THE CURB RAMP AND THE ROAD.
8. DETECTABLE WARNING SURFACES SHALL CONTRAST VISUALLY WITH ADJACENT GUTTER, ROAD, OR WALKWAY SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT. CONTRAST MAY BE PROVIDED ON THE FULL RAMP SURFACE BUT SHOULD NOT EXTEND TO THE FLARED SIDES.



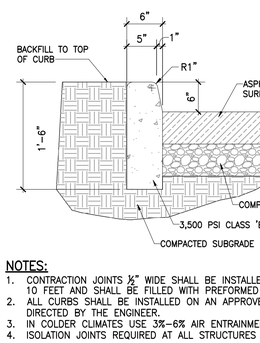
7 DETAIL – CURB RAMPS

3/16"=1'-0" 0" 2'-0" 4'-0" 8'-0"



8 DETAIL – DETECTABLE WARNINGS FOR CURB RAMPS

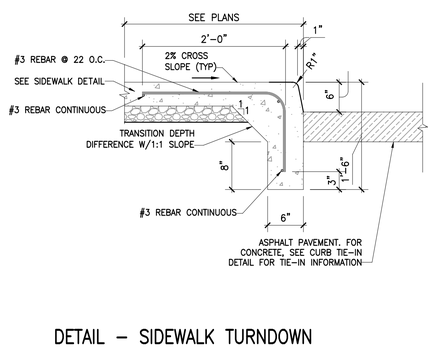
1"=1'-0" 0" 1/2" 1" 2"



NOTES:
1. CONTRACTION JOINTS ½" WIDE SHALL BE INSTALLED IN THE CURB IN INTERVALS OF 10 FEET AND SHALL BE FILLED WITH PREFORMED BITUMINOUS JOINT FILLER.
2. ALL CURBS SHALL BE INSTALLED ON AN APPROVED, COMPACTED SUBGRADE. WHERE DIRECTED BY THE ENGINEER.
3. IN COLDER CLIMATES USE 3%–6% AIR ENTRAINMENT.
4. ISOLATION JOINTS REQUIRED AT ALL STRUCTURES AND CURB RETURNS.

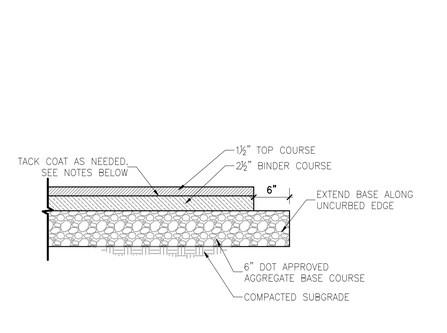
9 DETAIL – VERTICAL CONCRETE CURB

1"=1'-0" 0" 6" 1'-0" 2'-0"



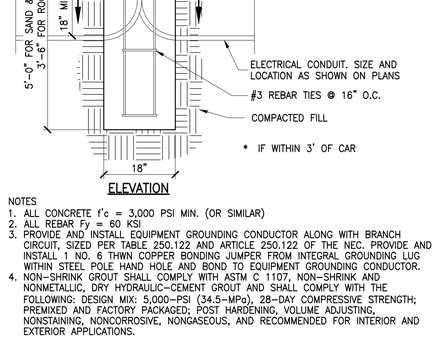
10 DETAIL – SIDEWALK TURNDOWN WITH INTEGRATED CURB

1"=1'-0" 0" 6" 1'-0" 2'-0"



11 DETAIL – TYPICAL PAVEMENT SECTION

1"=1'-0" 0" 6" 1'-0" 2'-0"

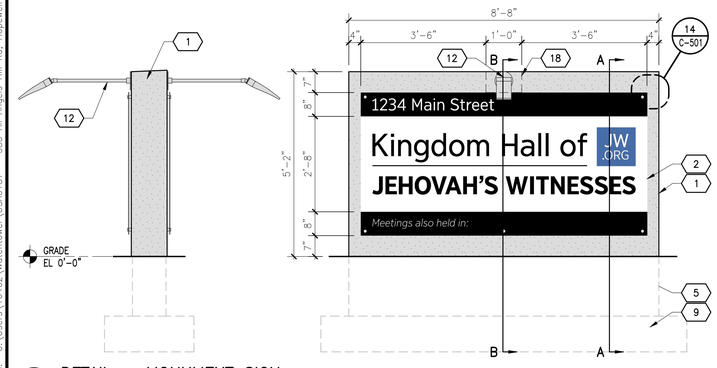


ELEVATION

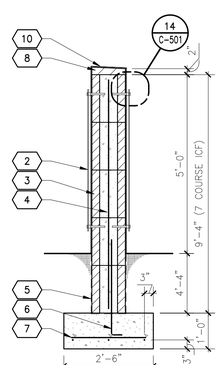
NOTES
1. ALL CONCRETE f'c = 3,000 PSI MIN. (OR SIMILAR)
2. ALL REBAR Fy = 60 KSI
3. PROVIDE AND INSTALL EQUIPMENT GROUNDING CONDUCTOR ALONG WITH BRANCH CIRCUIT, SIZED PER TABLE 250.122 AND ARTICLE 250.122 OF THE NEC. PROVIDE AND INSTALL 1 NO. 6 THWN COPPER BONDING JUMPER FROM INTEGRAL GROUNDING LUG WITHIN STEEL POLE HAND HOLE AND BOND TO EQUIPMENT GROUNDING CONDUCTOR.
4. NON-SHRINK GROUT SHALL COMPLY WITH ASTM C 1107, NON-SHRINK AND NONMETALLIC, DRY HYDRAULIC-CEMENT GROUT AND SHALL COMPLY WITH THE FOLLOWING: DESIGN MIX: 5,000-PSI (34.5-MPa), 28-DAY COMPRESSIVE STRENGTH; PREMIXED AND FACTORY PACKAGED; POST HARDENING, VOLUME ADJUSTING, NONSTAINING, NONCORROSIVE, NONGASEOUS, AND RECOMMENDED FOR INTERIOR AND EXTERIOR APPLICATIONS.

12 LIGHT POLE BASE DETAIL

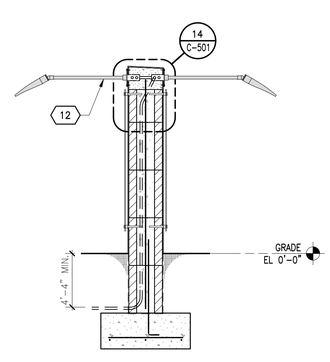
NOT TO SCALE



13 DETAIL – MONUMENT SIGN



SECTION A–A



SECTION B–B

1/2"=1'-0" 0" 1'-0" 2'-0" 4'-0"

SHEET KEYNOTES

1. COLOR TO MATCH EXISTING KINGDOM HALL EXTERIOR
2. KINGDOM HALL SIGN WITH JW LOGO (REPEAT ON OTHER SIDE WHEN MONUMENT IS VISIBLE FROM BOTH DIRECTIONS)
3. ICF W/ 6" CONCRETE CORE, 4,000 PSI CONCRETE.
4. REINFORCEMENT: #4 VERTICAL BARS @ 18" O.C. MAX #4 HORIZONTAL BARS @ 18" O.C. MAX
5. WATERTIGHT COATING W/ REINFORCING MESH, EXTEND FROM TOP OF FOOTING TO 4" ABOVE GRADE
6. (4) #4 VERT DOWELS @ 18" O.C. SPACING W/ STANDARD END HOOK
7. (3) EQ. SPACED #5 CONT. BAR W/ (4) EQ. SPACED #4 TRANSVERSE BARS
8. ICF WINDOW BUCK, SLOPE 1/2"
9. FOUNDATION
10. ADDITIONAL WATER TIGHT COAT WITH REINFORCING MESH AT HORIZONTAL SURFACE
11. POURED CONCRETE CAP. SLOPE 1:12
12. WALL MOUNTED LIGHT FIXTURE FLOOD TILTED
13. TYPE 316SS CONCRETE SCREW
14. WALL MOUNTED LIGHTS TO BE INSTALLED FLUSH W/ THE FACE OF THE MONUMENT
15. HORIZONTALLY MOUNTED SINGLE GANG MASONRY BOX
16. 3/4" CONDUIT MIN. ROUTING TO BE DETERMINED BY INSTALLER
17. WATER PROOF SILICONE SEALANT PER MANUFACTURER
18. 12"Wx7"H FULL WIDTH FOAM CUT OUT TO ALLOW LIGHT ATTACHMENT

14 DETAIL – FIXTURE MOUNT

1-1/2"=1'-0" 0" 3" 6" 1'-0"

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PROJECT TITLE:
HOPEWELL JUNCTION KINGDOM HALL
383 All Angels Hill Rd
Hopewell Junction, NY

SHEET TITLE:
SITE DETAILS

PROJECT No.
20941

SHEET No.
C-501

PLOT DATE: 8 Oct 24
DIMSCALE: 1.0000
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Flo-Well Assembly and Installation Sheet

Flo-Well MANUFACTURED DRYWELL

Thank you for purchasing the Flo-Well system by NDS, the following information can help you maximize the benefits Flo-Well has to offer.

Tank name: LFWAS24WH

WARNING: Call before you dig. Contact your local utilities to create utility mark-out, and to avoid personal injury.
RECOMMENDED: For all Flo-Well configurations install at least an appropriate 10 feet from foundations or structures.

ASSEMBLY INSTRUCTIONS

BEFORE YOU DIG: Contact the local utilities to create utility markout.

1. Place two panels side by side and align male tabs with female flange.
2. Pinch tabs and flange flush until panels interlock.
3. For final lock, slide male tabs downward until panel edges are leveled at top.
4. Repeat steps 1-3 for the third panel assembly.
5. Set cover over panel assembly and rotate until all three panel flanges are aligned with cover screw locations.

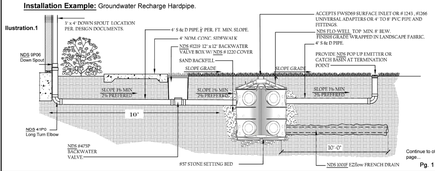
DRY WELL SETUP

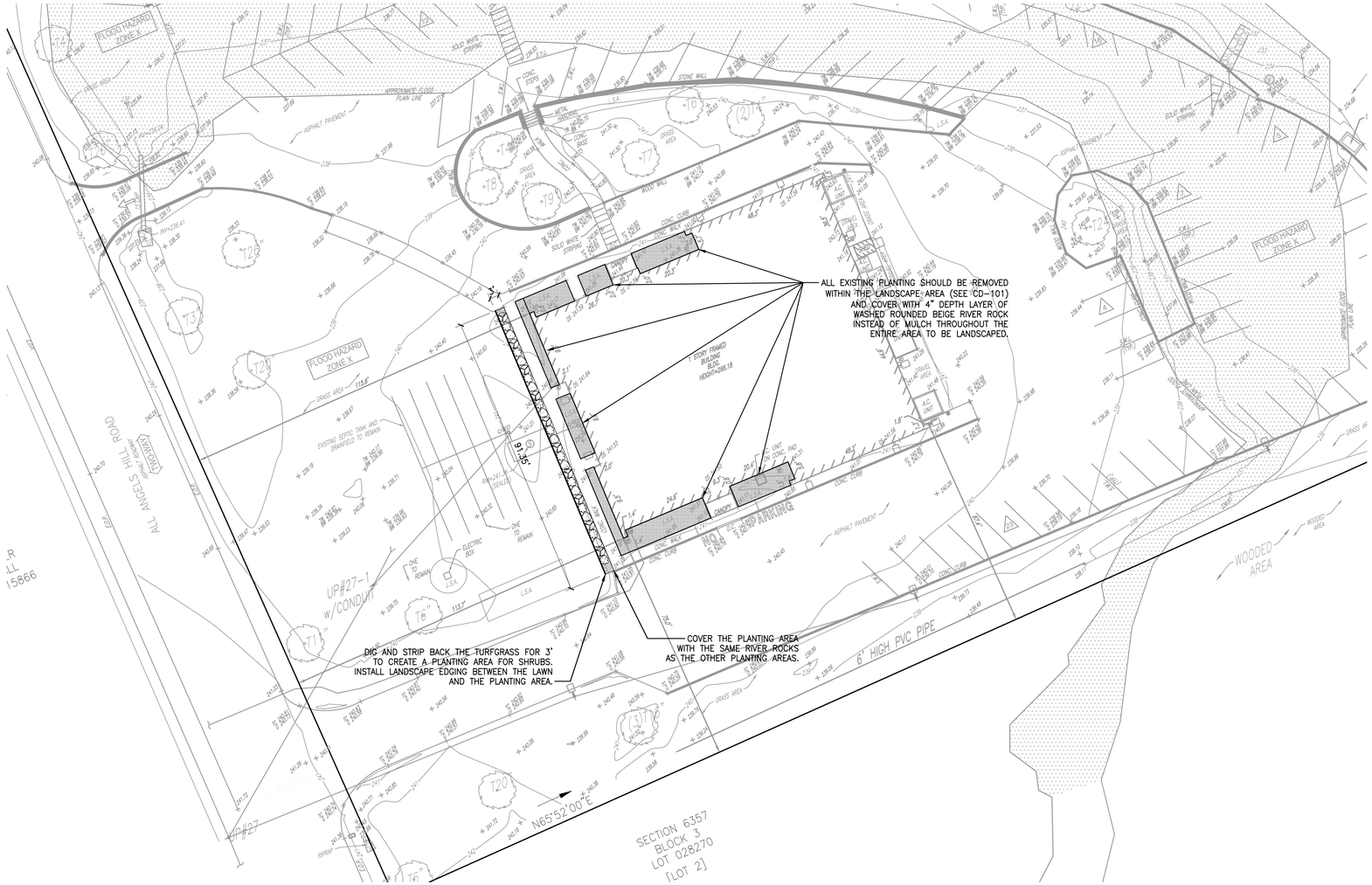
Required Items: Small hammer, tape, fabric pack, NDS Universal Adapter, shovel, sand or recommended 3/4" stone gravel, 4" PVC pipe, jig-saw, and catch basin or downspout adaptor

1. Strategically plan Flo-Wells location at a minimum distance of 10' from foundations.
   a. Note: Take into consideration traffic and elevation conditions.
2. Once Flo-Well location is verified; dig a 4' wide by 4' deep hole.
3. Dig a trench from the end of the downspout at about 1' deep and 6' wide that slopes gradually towards the Flo-Well.
4. For pipe connection and leach direction, use small hammer to knock-out appropriate 1" and 4" panel ports or use jigsaw to cut out universal adapter port.
5. Wrap fabric around Flo-Well and secure with tape to prevent soil from entering drain holes.
6. Place Flo-Well assembly into ground and insert preferred 4" pipe into knocked-out port. Connect other end of 4" pipe to downspout either by catch basin or downspout adapter.
   a. Note: Use NDS Universal Adapter and lock within panel universal adapter cut out for 3" and 6" pipes.
7. Backfill evenly around the Flo-Well with sand or recommended 3/4" stone gravel.
8. Bury Flo-Well assembly with top at least 8" below the surface grade.

Installation Example: Groundwater Recharge Hardpipe.

Illustration.1


Y or A' DOWN SPOUT LOCATION PER DESIGN DOCUMENTS.
4" SCH 40 PVC
6" NOM. CONC. STRIPWAY
NDS 4" PVC
NDS 4" PVC
NDS 4" PVC



1 LANDSCAPING PLAN

1"=20'
0' 10' 20' 40'

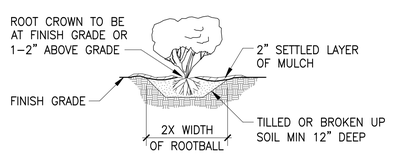
1. REFER TO C-001 COVER SHEET FOR GENERAL NOTES AND GENERAL PROJECT AND CONSTRUCTION INFORMATION. REFER TO V-101 FOR SURVEY INFORMATION AND DATUMS.
2. NAMES OF PLANTS DESCRIBED ON THIS PLAN CONFORM TO THOSE GIVEN IN "STANDARDIZED PLANT NAMES", 1942 EDITION, PREPARED BY THE AMERICAN JOINT COMMITTEE ON HORTICULTURAL NOMENCLATURE. NAMES OF PLANT VARIETIES NOT INCLUDED THEREIN CONFORM TO NAMES GENERALLY ACCEPTED IN NURSERY TRADE.
3. NO PLANT SHALL BE PUT INTO THE GROUND BEFORE ROUGH GRADING HAS BEEN COMPLETED.
4. STANDARDS FOR TYPE, SPREAD HEIGHT, ROOT BALL AND QUALITY OF NEW PLANT MATERIAL SHALL BE IN ACCORDANCE WITH GUIDELINES AS SET FORTH IN THE "AMERICAN STANDARD FOR NURSERY STOCK", PUBLISHED BY THE AMERICAN NURSERY AND LANDSCAPE ASSOCIATION. PLANT MATERIAL SHALL HAVE NORMAL HABIT OF GROWTH AND BE HEALTHY, VIGOROUS, AND FREE FROM DISEASES AND INSECT INFESTATION.
5. NEW PLANT MATERIAL SHALL BE NURSERY GROWN UNLESS OTHERWISE SPECIFIED. ALL PLANTS SHALL BE SET PLUMB AND SHALL BEAR THE SAME RELATIONSHIP TO FINISHED GRADE AS THE PLANT'S ORIGINAL GRADE BEFORE DIGGING. PLANT MATERIAL OF THE SAME SPECIES AND SPECIFIED AS THE SAME SIZE SHOULD BE SIMILAR IN SHAPE, COLOR, HABIT.
6. ALL LANDSCAPE AREAS TO BE CLEARED OF ROCKS, STUMPS, TRASH AND OTHER UNSIGHTLY DEBRIS. ALL FINE GRADED AREAS SHOULD BE HAND RAKED SMOOTH ELIMINATING ANY CLUMPS AND UNEVEN SURFACES PRIOR TO PLANTING OR MULCHING.
7. ALL PLANTS SHALL BE WATERED THOROUGHLY AFTER PLANTING. ALL PLANTS SHALL THEN BE WATERED WEEKLY OR AS REQUIRED BY SITE AND WEATHER CONDITIONS TO MAINTAIN VIGOROUS AND HEALTHY PLANT GROWTH. CONTRACTOR MAY NEED TO ADJUST QUANTITY AND FREQUENCY OF WATERING TO ENSURE PROPER ESTABLISHMENT.
8. NEW PLANT MATERIAL SHALL BE GUARANTEED TO BE ALIVE AND IN VIGOROUS GROWING CONDITION FOR A PERIOD OF ONE YEAR FOLLOWING ACCEPTANCE BY THE OWNER.
9. THE BACKFILL MIXTURE AND SOIL MIXES TO BE INSTALLED PER SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING OF SOILS AND MAKE THE NECESSARY ADJUSTMENTS OR AMENDMENTS FOR LONG TERM PLANT HEALTH AND VITALITY.
10. FOR ANY DISCREPANCIES BETWEEN THE PLANT SCHEDULE AND THE PLANTING PLAN, THE GRAPHIC QUANTITY SHOWN SHALL GOVERN.
11. ALL FENCE OR GUIDE RAIL INSTALLATIONS SHALL BE COMPLETED PRIOR TO STARTING ANY LANDSCAPE PLANTING, LAWN, GRASSES OR IRRIGATION WORK.
12. ALL PLANT INSTALLATIONS SHALL BE COMPLETED EITHER BETWEEN APRIL – JUNE WHEN NIGHTTIME TEMPERATURES ARE AT LEAST 35°F AND SEPTEMBER – NOVEMBER WHEN THE DAILY HIGH TEMPERATURES DROP TO THE LOW 80'S BUT BEFORE THE FIRST FROST, UNLESS OTHERWISE DIRECTED BY PROJECT LANDSCAPE ARCHITECT.
13. EXISTING TREES WITHIN AND ADJACENT TO THE LIMITS OF CONSTRUCTION AND SPECIFIED TO REMAIN ARE TO BE PROTECTED THROUGHOUT CONSTRUCTION PER LOCAL REGULATORY AGENCY REGULATIONS. DAMAGE MAY BE CAUSED BY OPERATION OF EQUIPMENT, STOCKPILING OF MATERIALS, COMPACTION OF ROOT ZONE, DRIVING OR PARKING WITHIN DRIPLINE OF TREES, OR THE SPILLAGE OF DELETERIOUS CHEMICALS, OILS, DIESEL, ETC. WITHIN THE DRIPLINE OF TREES.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FINAL STAKING OF TREES BASED ON SITE CONDITIONS, TO PROVIDE FOR THE STABILITY OF THE TREE AND MATERIALS AND TO PROTECT THE HEALTH AND SAFETY OF THE PUBLIC/PROPERTY.

PLANT SCHEDULE

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	ROOT	REMARKS
EVERGREEN SHRUBS						
	9	RHODODENDRON X AUTUMN ANGEL ENCORE AZALEA	ENCORE® AZALEA AUTUMN ANGEL	3'H; 3'W	3 GAL	COMPACT; GLOSSY LIGHT GREEN FOLIAGE, WHITE FLOWERS
	10	ABELIA X GRANDIFLORA LITTLE RICHARD GLOSSY ABELIA	GLOSSY ABELIA 'LITTLE RICHARD'	3'H; 3'W	3 GAL	COMPACT ROUND; VIVID GREEN FOLIAGE TURNS PINK IN FALL, WHITE FLOWERS
	10	EUONYMUS JAPONICUS SILVER PRINCESS JAPANESE EUONYMUS	JAPANESE SPINDLE	3'H; 3'W	3 GAL	UPRIGHT COMPACT GROWTH; DARK GREEN FOLIAGE WITH SILVERY WHITE EDGES;

QUANTITY SUMMARY TABLE

DESCRIPTION	
1-2" DIAMETER RIVER ROCK	330.00 CU.FT.
BLACK PLASTIC LANDSCAPE EDGING	91.35 FT



TYP. SHRUB AND ORNAMENTAL GRASS PLANTING:

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PROJECT TITLE:
HOPEWELL JUNCTION KINGDOM HALL
383 All Angels Hill Rd
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SHEET TITLE:
LANDSCAPE PLAN

PROJECT No.
20941

SHEET No.
LP101

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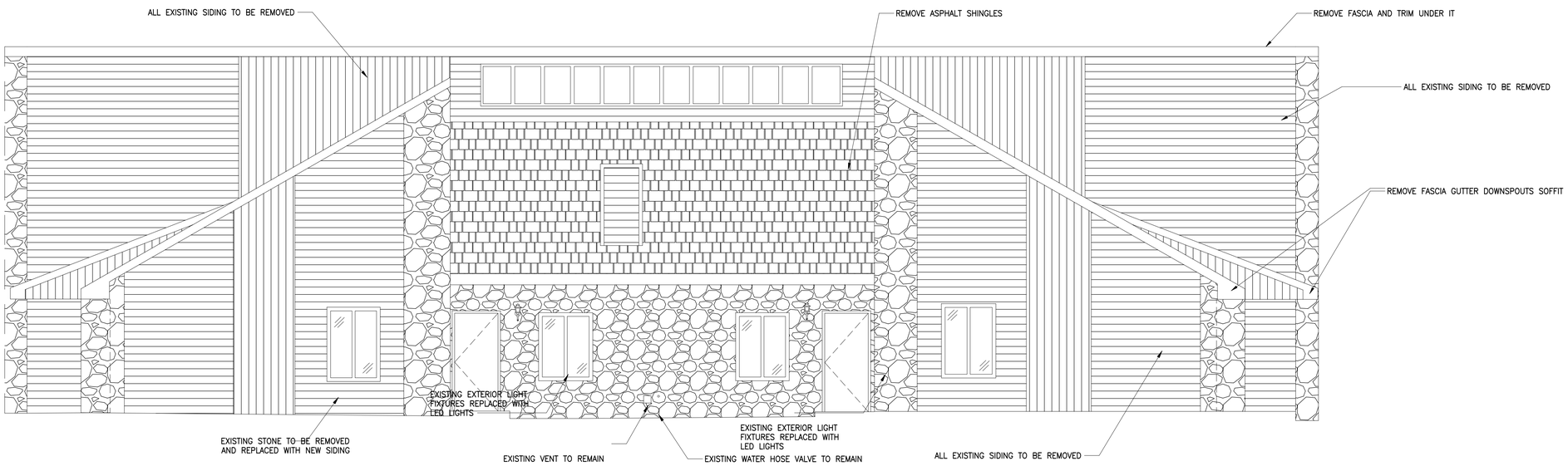
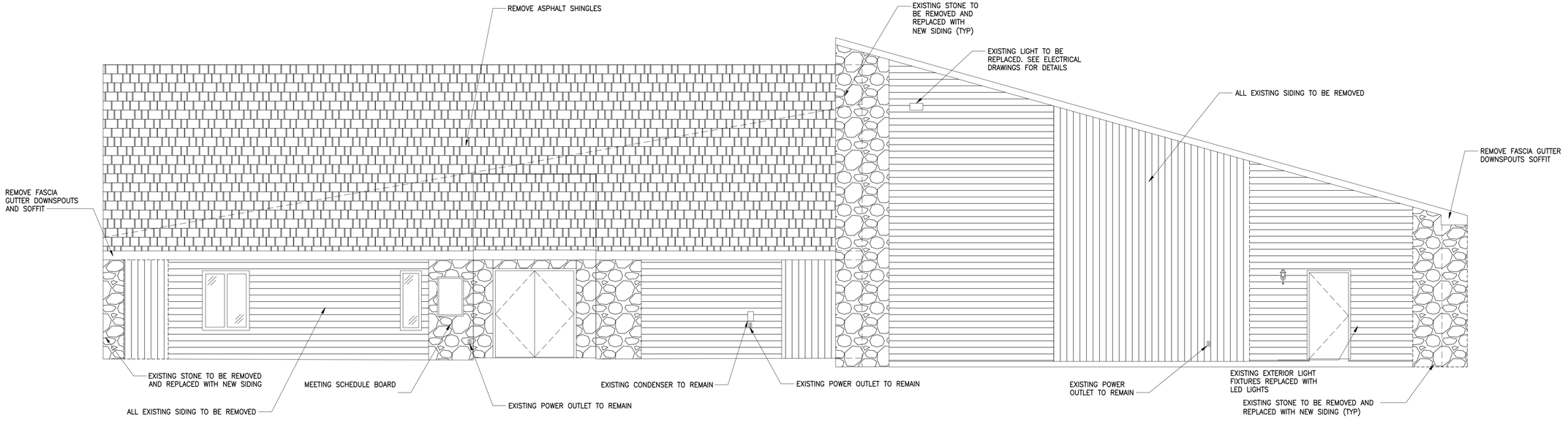


A ELEVATION – DEMO EXTERIOR

1/4"=1'-0"
0" 2'-0" 4'-0" 8'-0"



B DEMO – EXTERIOR

1/4"=1'-0"
0" 2'-0" 4'-0" 8'-0"

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383 All Angels Hill Rd
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SHEET TITLE:
DEMO EXTERIOR ELEVATIONS

PROJECT No.
20941

SHEET No.
AD201

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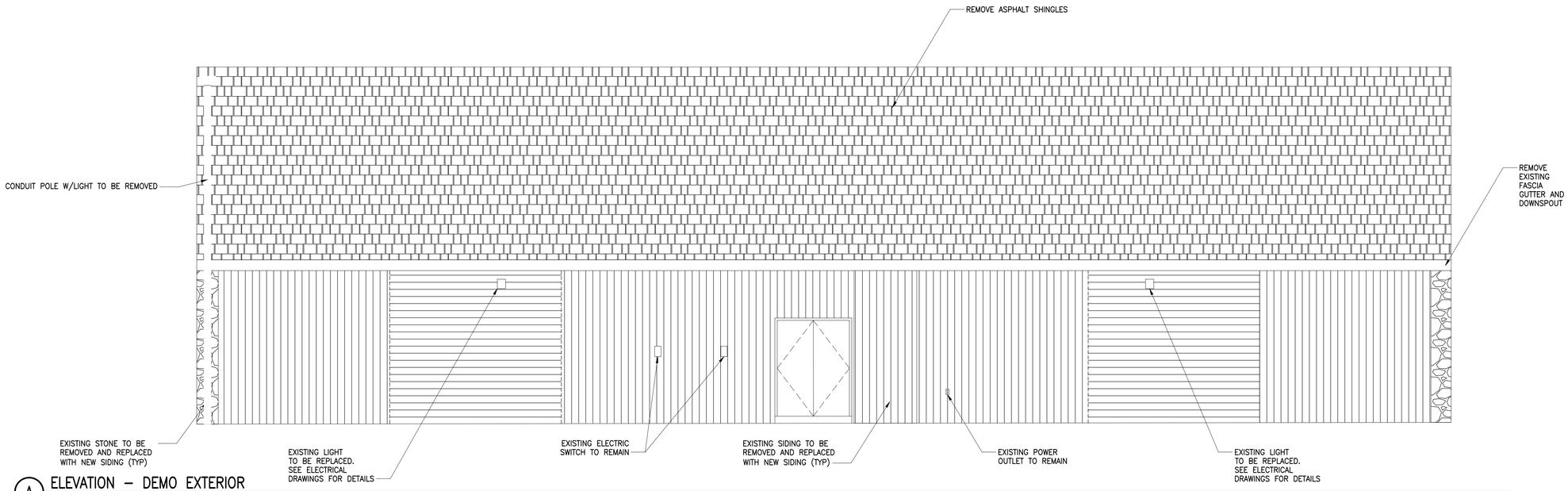

A ELEVATION – DEMO EXTERIOR

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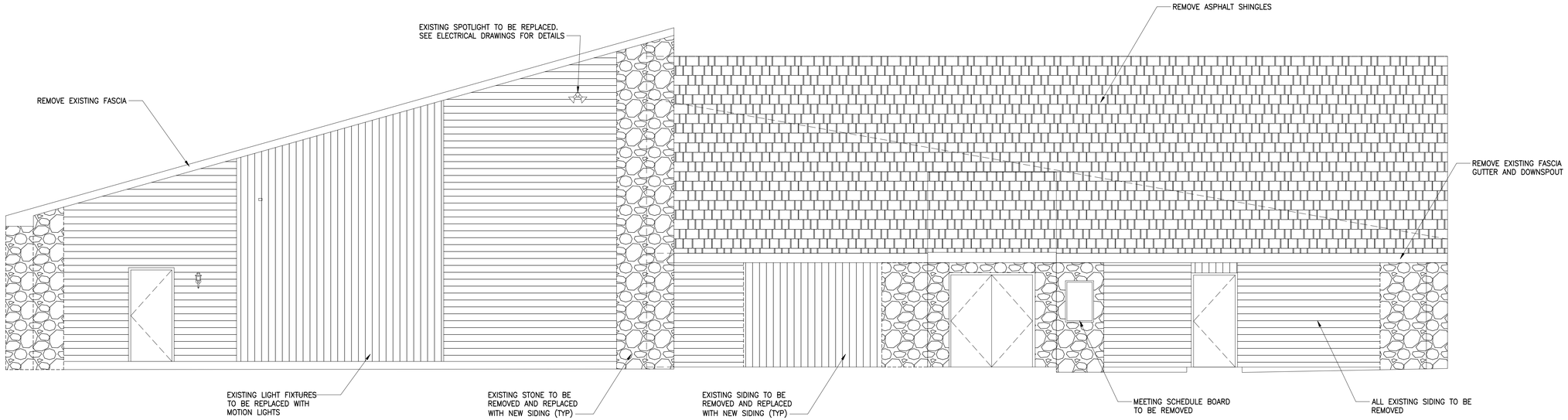

B ELEVATION – DEMO EXTERIOR

1/4"=1'-0" 0" 2'-0" 4'-0" 8'-0"

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PROJECT TITLE:

HOPEWELL JUNCTION KINGDOM HALL
383 All Angels Hill Rd
Hopewell Junction, NY

SHEET TITLE:

DEMO EXTERIOR ELEVATIONS

PROJECT No. 20941

SHEET No. AD202

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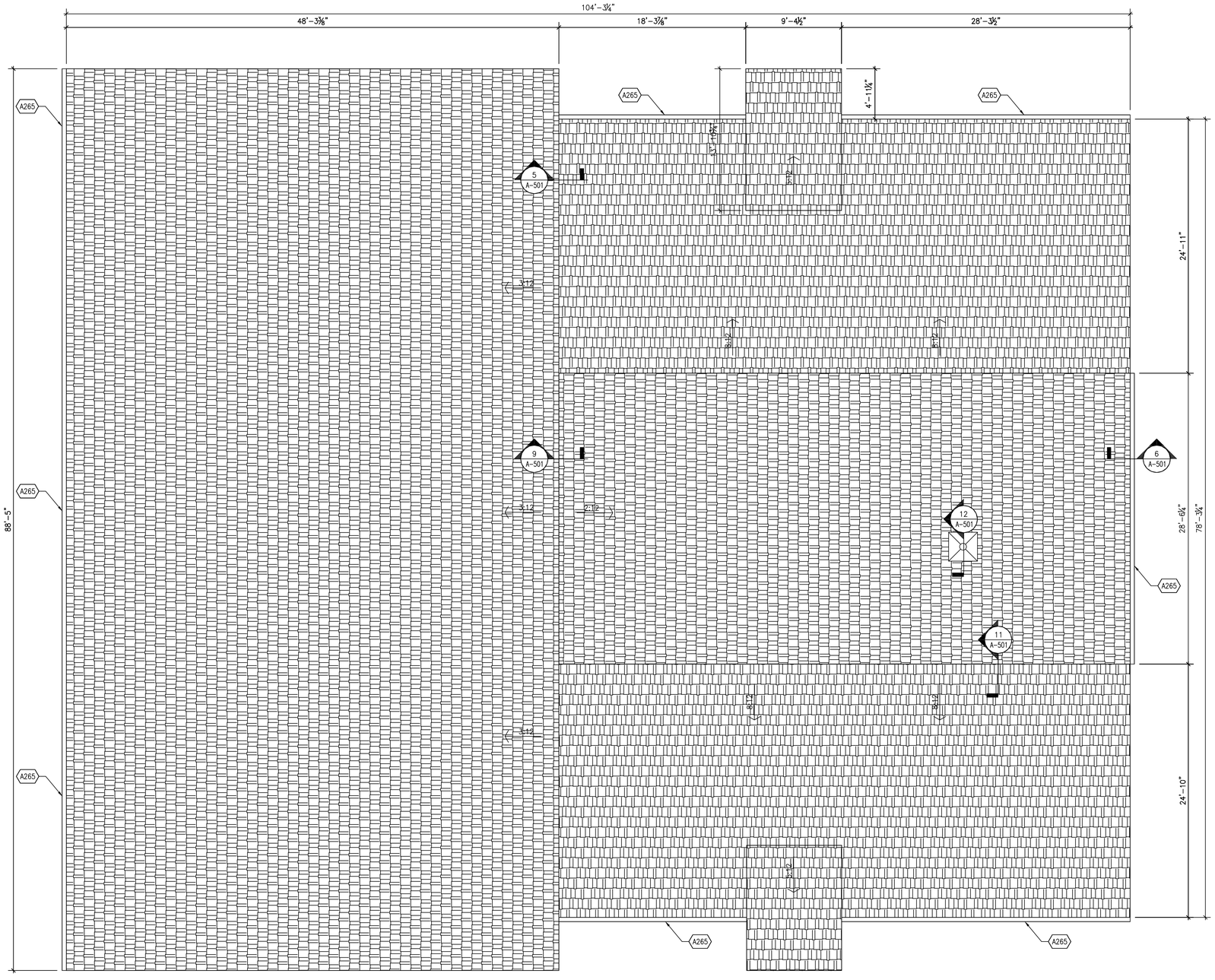

1 PLAN – ROOF

3/16"=1'-0" 0" 2'-0" 4'-0" 8'-0"

GENERAL SHEET NOTES

1. DO NOT CUT HVAC OPENINGS LARGER THAN SPECIFIED
2. ATTIC VENTING CALCULATIONS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1202.2 THE FREE VENTING AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF THE SPACE VENTILATED.
3. REPAIR ROOF SHEATHING AT ALL LOCATIONS WHERE ROOF PENETRATIONS ARE REMOVED.
4. PROVIDE NEW GUTTERS, DOWNSPOUTS AND SOFFITS.
5. NEW ASPHALT SHINGLE USE GAF TIMBERLINE COOL SERIES. COLOR COOL ANTIQUE SLATE. SOLAR REFLECTRANCE 0.30 THERMAL EMITTANCE 0.90.

SHEET KEYNOTES

A219 RELIEF HOOD, SEE MECHANICAL PLAN
A265 INSTALL NEW GUTTERS AND LEADERS. EXTEND AND DIRECT LEADERS AWAY FROM BUILDING.

GENERAL NOTES

1. 2020 EXISIING BUILDING CODE OF NYS ADOPTS WITH AMENDMENTS INTERATIONAL BUILDING CODE 2018 (2018)
2. 705.1 GENERAL MATERIALS AND METHODS OF APPLICATION USED FOR RECOVERING OR REPLACING AN EXISTING ROOF COVERING SHALL COMPLE WITH THE REQUIREMENTS OF CHAPTER 15 OF THE BUILDING CODE OF NEW YORK STATE.
3. 2020 BUILDING CODE OF NEW YORK STAE ADOPTS WITH AMENDMENTS INTERNATIONAL BUILDING CODE 2018 (IBC 2018)
4. 15 ROOF ASSEMBLIES AND ROOF TOP STRUCTURES
5. 1503.5 CRICKETS AND SADDLES: A CRICKET OR SADDLE SHALL BE INSTALLED ON THE RIDGE SIDE OF ANY CHIMNEY OR PENETRATION GREATER THAN 30 INCHES WIDE AS MEASURED PERPENDICULAR TO THE SLOPE. CRICKET OR SADDLE COVERINGS SHALL BE SHEET METAL OR OF THE SAME MATERIAL AS THE ROOF COVERING.
6. 1504.1.1 WIND RESISTANCE OF ASPHALT SHINGLES: ASPHALT SHINGLES SHALL BE TESTED IN ACCORDANCE WITH ASTM D7158. ASPHALT SHINGLES SHALL MEET THE CLASSIFICATION REQUIREMENTS OF TABLE 1504.1.1 FOR 125 MPH MAXIMUM BASIC WIND SPEED CLASSIFICATION G. ASPHALT SHINGLE PACKAGING SHALL BEAR A LABEL TO INDICATE COMPLIANCE WITH ASTM D 7158 AND THE REQUIRED CLASSIFICATION G OR H.
7. 1505.1 MINIMUM ROOF COVERING CLASSIFICATION FOR THE VB CONSTRUCTION SHALL BE CLASS C.
8. 1506.3 PRODUCT IDENTIFICATION. ROOF–COVERING MATERIALS SHALL BE DELIVERED IN PACKAGES BEARING THE MANUFACTURE'S IDENTIFICATYING MARKS AND APPROVED TESTING AGENCY LABELS REQUIRED IN ACCORDANCE WITH SECTION 1505. BULK SHIPMENTS OF MATERIALS SHALL BE ACCOMPANIED WITH THE SAME INFORMATION ISSUED IN THE FORM OF A CERTIFICATE OR ON A BILL OF LADING BY THE MANUFACTURER.
9. 1507.1.1 UNDERLAYMENT: EXCEPTIONS AS AN ALTERNATE, SELF–ADHERING POLYMER MODIFIED BITUMEN UNDERLAYMENT COMPLYING WITH ASTM D1970 AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE DECK MATERIAL, ROOF VENTILLATION CONFIGURATION AND CLIMATE EXPSURE FOR THE ROOF COVERING TO BE INSTALLED SHALL BE PERMITTED.
10. TABLE 1507.1. (2) UNDERLAYMENT APPLICATION FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNTIS HORIZONTAL (2:12), UP TO FOUR UNITS VERTICAL IN 12 UNTIS HORIZONTAL (4:12), UNDERLAYMENT SHALL BE TWO LAYERS APPLIED AS FOLLOWS:
    APPLY A 19–INCH STRIP OF UNDERLAYMENT FELT PARALLEL TO AND STARTING AT THE EAVES. STARTING AT THE EAVE, APPLY 38–INCH–WIDE SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS OF 19 INCHES. END LAPS SHALL BE 4 INCHES AND SHALL BE OFFSET BY 6 FEET. DISTORTIONS IN THE UNDERLAYMENT SHALL NOT INTERFERE WITH THE ABILITY OF THE SHINGLES TO SEAL ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (4:12) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED AS FOLLOWS:
    UNDERLAYMENT SHALL BE APPLIED SHINGLE FASHION, PARALLEL TO AND STARTING FROM THE EAVE AND LAPPED 2 INCHES, DISTORTIONS IN THE UNERLAYMENT SHALL NOT INTERFERE WITH THE ABILITY OF THE SHINGLES TO SEAL. END LAPS SHALL BE 4 INCHES AND SHALL BE OFFSET BY 6 FEET.
11. 1507.1.2 ICE BARRIERS: IN AREAS OF WHERE THERE HAS BEEN A HISTORY OF ICE FORMING ALONG THE EAVES CAUSING A BACKUP OF WATER, AN ICE BARRIER SHALL BE INSTALLED FOR ASPHALT SHINGLES. THE ICE BARRIER SHALL CONSIST OF NOT LESS THAN TWO LAYERS OF UNDERLAYMENT CEMENTED TOGETHER, OR A SELF–ADHERING POLYMER MODIFIED BITUMEN SHEET SHALL BE USED IN PLACE OF NORMAL UNDERLAYMENT AND EXTEND FROM THE LOWEST EDGES OF ALL ROOF SURFACES TO A POINT NOT LESS THAN 24 INCHES INSIDE THE EXTERIOR WALL LINE OF THE BUILDING.
12. 1507.2.4 ASPHALT SHINGLES. ASPHALT SHINGLES SHALL COMPLY WITH ASTM D3462.
13. 1507.2.5 FASTENERS. FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12–GAGE [0.105 INCH] SHANK WITH A MINIMUM 3/8–INCH–DIAMETER HEAD, OF A LENGTH TO PENETRATE THOUGH THE ROOFING MATERIALS AND A MINIMUM ¾ INCH INTO THE SHEATHING. WHERE THE ROOF SHEATHING IS LESS 3/4–INCH THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING. FASTENERS SHALL COMPLY WITH ASTM F 1667.
14. 1507.2.6 ATTACHMENT. ASPHALT SHINGLES SHALL HAVE THE MINIMUM NUMBER OF FASTENERS REQUIRED BY THE MANUFACTURER, BUT NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE.
15. 1507.2.8.1 BASE AND CLAP FLASHING. BASE AND CLAP FLASHING SHALL BE INSTALLED IN ACCORDANCE TO THE MANUFACTURER'S INSTRUCTIONS. BASE FLASHING SHALL BE OF EITHER CORROSION–RESISTANT METAL OR MINIMUM NOMINAL 0.019–INCH (.0483 MM) THICKNESS OR MINERAL–SURFACED ROLL ROOFING WEIGHING NOT LESS THAN 77 POUNDS PER 100 SQUARE FOOT (3.76 KG/M2). CAP FLASHING SHALL BE CORROSION–RESISTANT METAL OF MINIMUM NORMAL 0.019–INCH (0.483 MM) THICKNESS.
16. 1507.2.9.2 VALLEYS. VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS BEFORE APPLY SHINGLES. VALLEY LININGS OF THE FOLLOWING SHALL BE PERMITTED:
    – FOR OPEN VALLEYS (VALLEY LINING EXPOSED) LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 24 INCHES WIDE AND OF ANY OF THE COORISION–RESISTANT METALS USE. ALUMINUM 0.024 MINIMUM THICKNESS OR GALVANIZED STEEL 26 GAGE ZINC COATED G90.
    – FOR OPEN VALLEYS, VALLEY LINING OF TWO PILES OF MINERAL–SURFACED ROLL ROOFING COMPLYING WITH ASTM D3909 OR ASTM D 6380 SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER SHALL BE A MINIMUM OF 36 INCHES WIDE.
    – FOR CLOSED VALLEYS (VALLEY COVERED WITH SHINGLES), VALLEY LINING OF ONE PLY OF SMOOOT ROLL ROOFING COMPLYING WITH ASTM D 6380, AND AT LEAST 36 INCHES WIDE OR TYPES AS DESCRIBED IN ITEMS ABOVE SHALL BE PERMITTED. SELF–ADHERING POLYMER MODIFIED BITUMEN UNDERLAYMENT COMPLYING WITH ASTM D 1970 SHALL BE PERMITTED IN LIEU OF THE LINING MATERIAL.
17. 1507.2.8.3 DRIP EDGE. A DRIP EDGE SHALL BE PROVIDED AT EAVES AND RAKE EDGES OF SHINGLE ROOFS. ADJACENT SEGMENTS OF THE DRIP EDGE SHALL BE LAPPED A MINIMUM OF 2 INCHES, THE VERTICAL LEG OF DRIP EDGES SHALL BE A MINIMUM OF 1–1/2 INCHES IN WIDTH AND SHALL EXTEND A MINIMUM OF 1/4–INCH BELOW SHEATHING. THE DRIP EDGE SHALL EXTEND BACK ON THE ROOF A MINIMUM OF 2 INCHES. UNDERLAYMENT BE INSTALLED OVER DRIP EDGES ALONG EAVES. DRIP EDGES SHALL BE INSTALLED OVER UNDERLAYMENT ALONG RAKE EDGES. DRIP EDGES SHALL BE MECHANICALLY FASTENED A MAXIMUM OF 12 INCHES ON CENTER.

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–	26 OCT 24	AFP

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Hopewell Junction, NY 12590

PROJECT TITLE:
HOPEWELL JUNCTION KINGDOM HALL
383 All Angels Hill Rd
Hopewell Junction, NY

SHEET TITLE:
ROOF PLAN

PROJECT No.
20941

SHEET No.
A–104

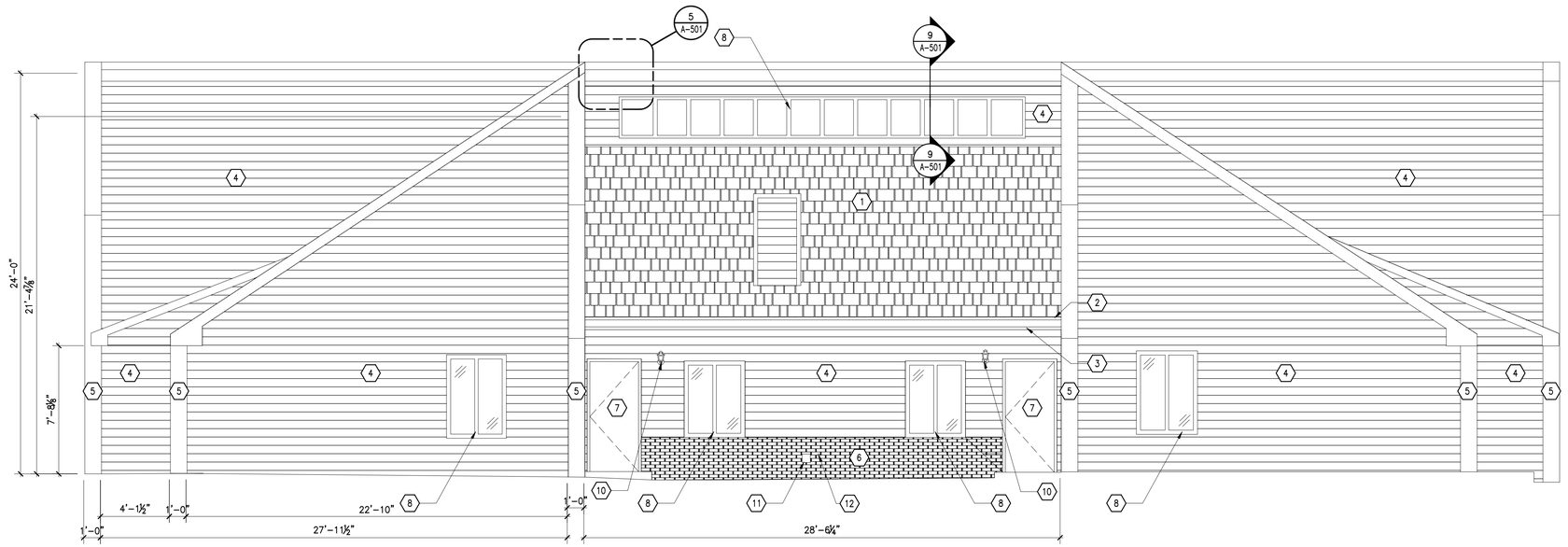
IMAGE: ####
XREF: ####
PLOT DATE: 26 Oct 24 PLOTTED BY: 16462
DIMSCALE: 48.0000 DSGN\XRFT:
FILE PATH: C:\Users\16462\Watchtower\USA6187 – 383 All Angels Hill Rd, Hopewell Junction, NY – 4 Permit Documents\CAD\04 Arch\20941_A–104_ROOF_PLAN.dwg

GENERAL NOTES

1. EXISTING ELECTRICAL FIXTURES (LIGHTS, OUTLETS & SWITCHES) TO REMAIN.
2. EXISTING LIGHTS TO BE REPLACED, SEE ELECTRICAL DRAWINGS FOR DETAILS.
3. DOWNSPOUT LOCATIONS NOT TO BE CHANGED. FOLLOW EXISTING.
4. EXISTING VENT, CONDENSER AND WATER HOSE VALVE TO REMAIN

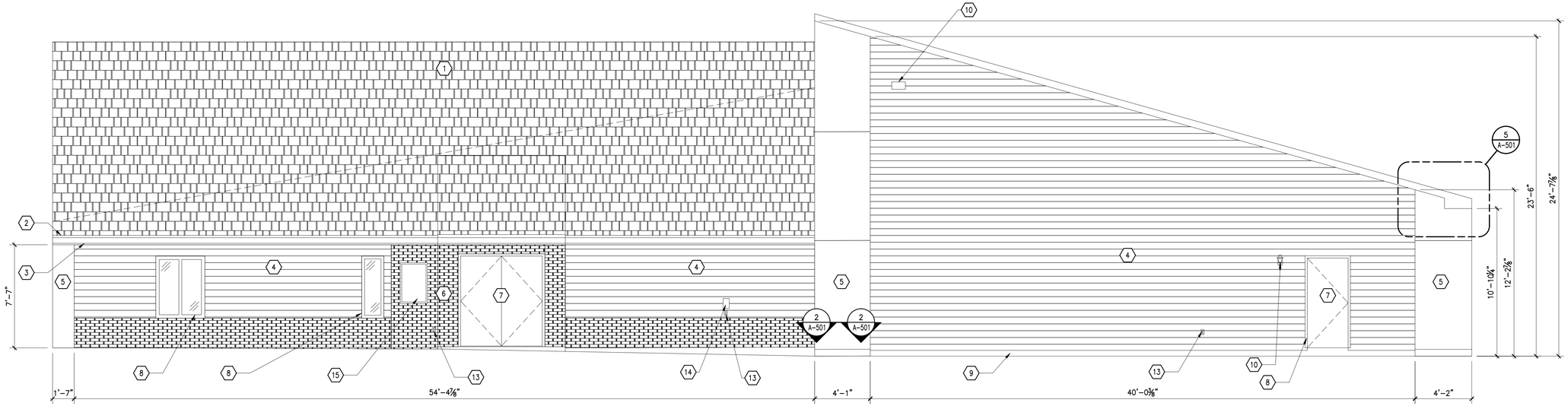
SHEET KEYNOTES

1. EXISTING ASPHALT SHINGLES TO REMAIN
2. 11 1/4" X 3/4" FASCIA BOARD HARDIE TRIM CEDAR MILL SAIL CLOTH
3. 6" X 5" K-STYLE ALUMINUM GUTTER 5 COLOR WHITE
4. 8 1/4" X 5/16" HARDIE FIBER SIDING CEMENT LAP SIDING CEDAR MILL COLOR SOFT GREEN
5. HARDIE PANEL 4' X 8' 5/16" COLOR SAIL CLOTH
6. STONE VENEER ELDORADO CUT 33 WHITE CAP
7. PAINT METAL DOORS BENJAMIN MOORE COLONIAL VERDIGRIS OW-530
8. PAINT METAL DOOR FRAMES, WINDOWS AND WINDOW FRAMES TO MATCH SAIL CLOTH COLOR OF FASCIAS AND TRIM
9. FOUNDATION WALL PARGING. TYPE PARGING TO BE DETERMINED BASED ON EXISTING CONDITIONS TO BE VERIFIED IN THE FIELD
10. NEW LIGHTING
11. EXISTING VENT
12. EXISTING WATER HOSE VALVE
13. EXISTING POWER OUTLET
14. EXISTING CONDENSER
15. MEETING SCHEDULE BOARD



A ELEVATION – EXTERIOR

1/4"=1'-0"
0" 2'-0" 4'-0" 8'-0"



B ELEVATION – EXTERIOR

1/4"=1'-0"
0" 2'-0" 4'-0" 8'-0"

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PROJECT TITLE:
HOPEWELL JUNCTION KINGDOM HALL
383 All Angels Hill Rd
Hopewell Junction, NY

SHEET TITLE:
EXTERIOR ELEVATIONS

PROJECT No. 20941

SHEET No. A-201

IMAGE: IMAGE: IMAGE: IMAGE: IMAGE: IMAGE:
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PLOT DATE: 26 Oct 24 PLOTTED BY: 16462
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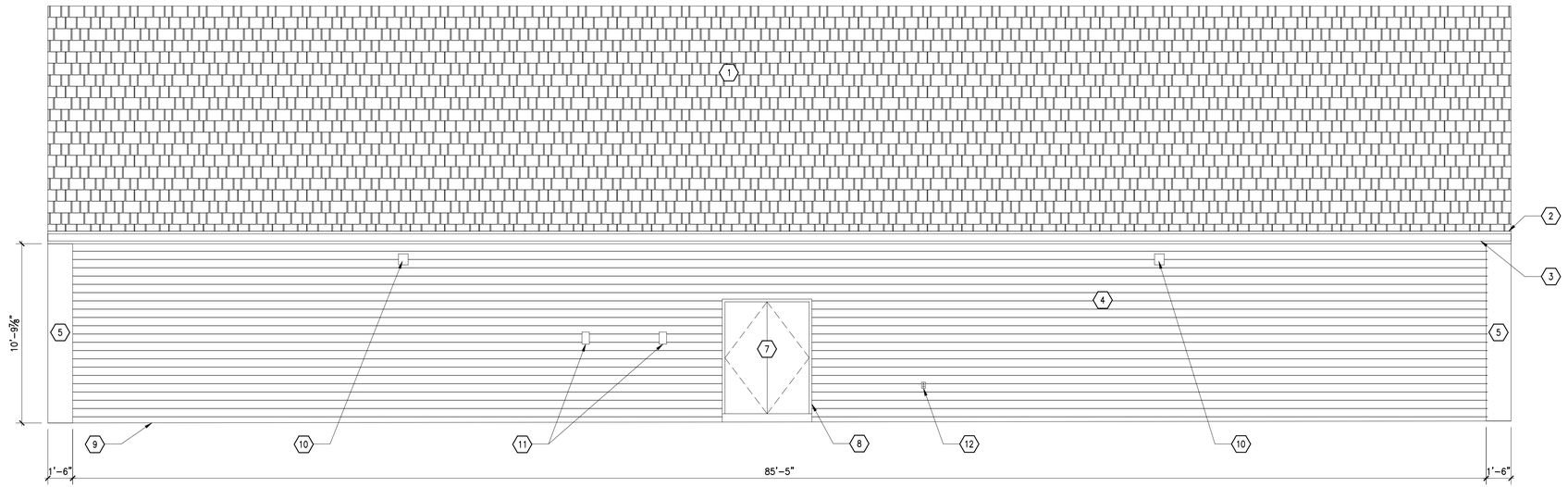

A ELEVATION – EXTERIOR

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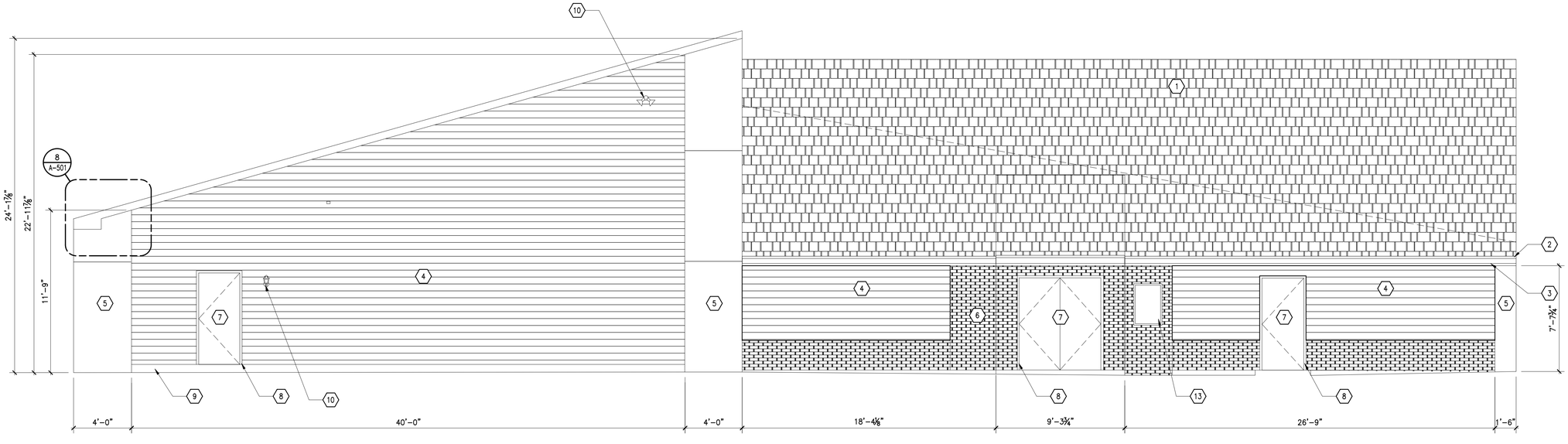
0" 2'-0" 4'-0" 8'-0"



B ELEVATION – EXTERIOR

1/4"=1'-0"
0" 2'-0" 4'-0" 8'-0"

GENERAL NOTES

1. EXISTING ELECTRICAL FIXTURES (OUTLETS & SWITCHES) TO REMAIN.
2. EXISTING LIGHTS TO BE REPLACED. SEE ELECTRICAL DWGS FOR DETAILS.
3. DOWNSPOUT LOCATIONS NOT TO BE CHANGED. FOLLOW EXISTING.
4. EXISTING VENTS, WATER HOSE VALVE AND CONDENSER TO REMAIN.

SHEET KEYNOTES

1. EXISTING ASPHALT SHINGLES TO REMAIN
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9. FOUNDATION WALL PARGING. TYPE PARGING TO BE DETERMINED BASED ON EXISTING CONDITIONS TO BE VERIFIED IN THE FIELD
10. NEW LIGHT FIXTURES
11. EXISTING ELECTRICAL SWITCH
12. EXISTING POWER OUTLET
13. MEETING SCHEDULE BOARD

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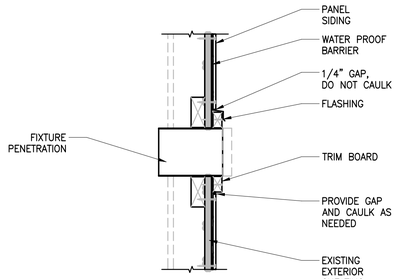
383 All Angels Hill Rd
Hopewell Junction, NY

SHEET TITLE:
EXTERIOR ELEVATIONS

PROJECT No. 20941

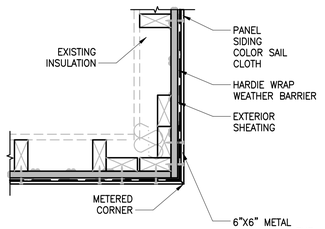
SHEET No. A-202

XREF: ###
XREF: ###
XREF: ###



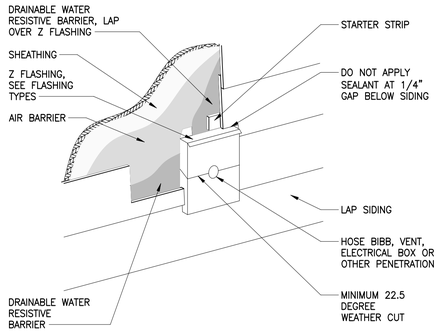
1 DETAIL – PANEL FIXTURE PENETRATION

1-1/2"=1'-0" 0" 3" 6" 1'-0"



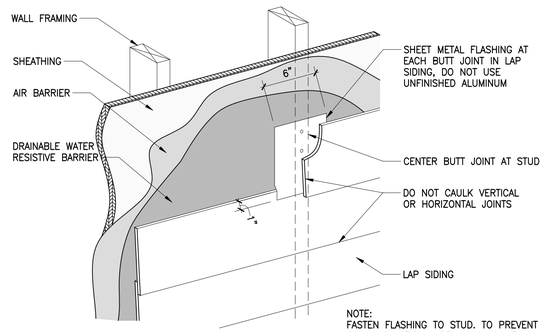
2 DETAIL – PANEL OUTSIDE CORNER

1-1/2"=1'-0" 0" 3" 6" 1'-0"



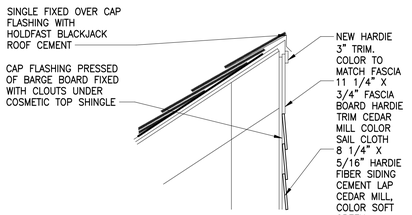
3 DETAIL – SIDING PENETRATION

1-1/2"=1'-0" 0" 3" 6" 1'-0"



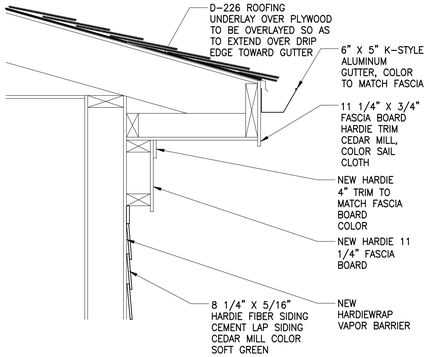
4 DETAIL – SIDING JOINT FLASHING

1-1/2"=1'-0" 0" 3" 6" 1'-0"



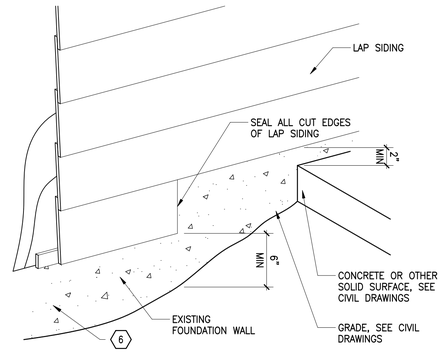
5 DETAIL – SIDING SOFFIT TERMINATION

1"=1'-0" 0" 3" 6" 1'-0"



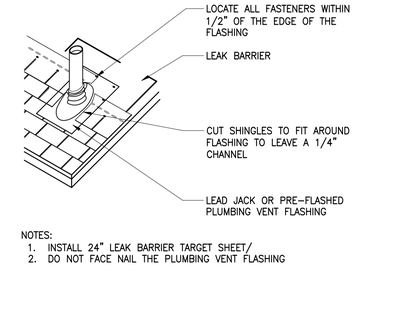
6 DETAIL – SIDING SOFFIT TERMINATION

1"=1'-0" 0" 3" 6" 1'-0"



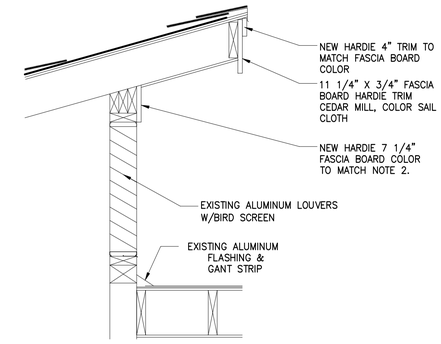
7 DETAIL – SIDING TERMINATION CLEARANCES

1-1/2"=1'-0" 0" 3" 6" 1'-0"



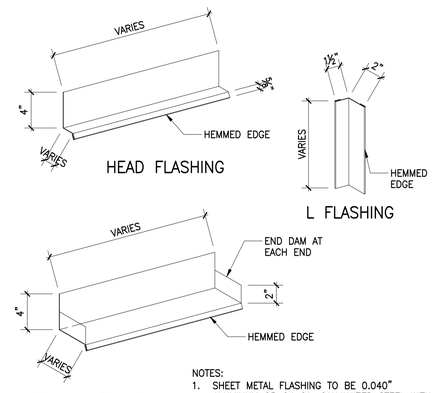
8 DETAIL – PLUMBING VENT FLASHING

1"=1'-0" 0" 3" 6" 1'-0"



9 DETAIL – SIDING TERMINATION CLEARANCES

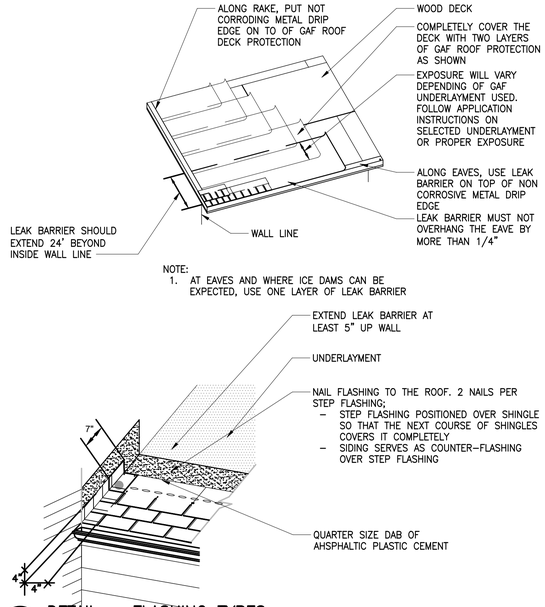
3/4"=1'-0" 0" 6" 1'-0" 2'-0"



NOTES:
1. SHEET METAL FLASHING TO BE 0.040" ALUMINUM OR 24 GA. GALVANIZED STEEL WITH KYNAR 500 FINISH OR EQUAL.
2. * DENOTES DIMENSION TO BE DETERMINED BY ANOTHER DETAIL OR IN FIELD.
3. FASTEN SHEET METAL FLASHING TO SUBSTRATE AT 16" O.C. TO PREVENT GALVANIC ACTION, USE ALUMINUM, ZINC, OR GALVANIZED STEEL FASTENERS.
4. AVOID SPLICES IN SHEET METAL FLASHING. IF A SPLICE IS REQUIRED, LAP ADJACENT LENGTHS OF FLASHING 4" AND APPLY TWO BEADS SILICONE SEALANT AT LAP.
5. WHERE OVERALL LENGTH OF Z FLASHING IS TO EXCEED 8", USE HEAD FLASHING.
6. PREVENT WATER INFILTRATION BEHIND FLASHING BY COVERING TOP EDGE OF VERTICAL LEG WITH WRB OR DETAIL TAPE.

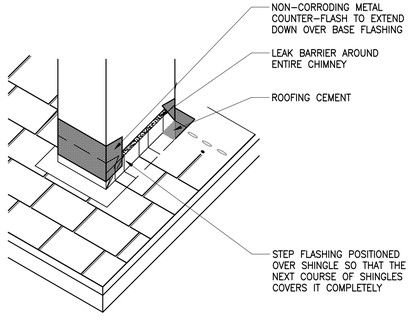
10 DETAIL – FLASHING TYPES

1-1/2"=1'-0" 0" 3" 6" 1'-0"



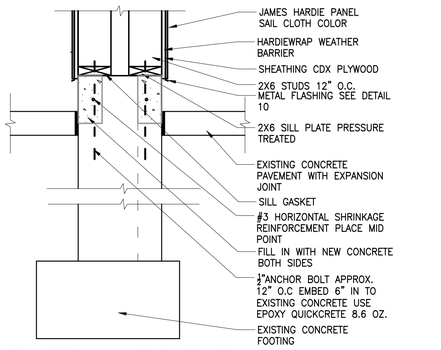
11 DETAIL – FLASHING TYPES

1-1/2"=1'-0" 0" 3" 6" 1'-0"



12 DETAIL – CHIMNEY FLASHING

1"=1'-0" 0" 3" 6" 1'-0"



13 DETAIL – WING WALLS

1"=1'-0" 0" 3" 6" 1'-0"

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PROJECT TITLE:
HOPEWELL JUNCTION KINGDOM HALL
383 All Angels Hill Rd
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SHEET TITLE:
EXTERIOR DETAILS

PROJECT No.
20941

SHEET No.
A-501

XREF: IMAGE: XREF: IMAGE: XREF: IMAGE: XREF: IMAGE: XREF: IMAGE: XREF: IMAGE: XREF: IMAGE: XREF: IMAGE: XREF: IMAGE: XREF: IMAGE:
PLOT DATE: 26 Oct 24 PLOTTED BY: 16462
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FILE PATH: C:\Users\16462\Watchtower\USA6187 - 383 All Angels Hill Rd, Hopewell Junction, NY - 4 Permit Documents\CAD\Arch Refs\20941_A-501_DETAILS_DESKTOP-DAC1GTD.DWG
PRINCIPAL AIA

265000 INTERIOR LIGHTING SCHEDULE

TAG	MFR		MODEL #	DESCRIPTION	LUMENS	LOAD	VOLTAGE	LAMP	MOUNT	COMMENTS
A2	SIGNIFY	DAYBRITE FLUXGRID	2FGXG30L840-2-RS-UNV-DIM	24" X 24" X 3" DEEP LED TROFFER W/ SMOOTH DIFFUSER, 0-10V DIMMABLE DRIVER	3,000	27.9W	120-277V	80 CRI, 4000K	GRID/ LAY-IN	-
A2.1	SIGNIFY	DAYBRITE FLUXGRID	2FGXG38B840-2-RS-UNV-DIM	24" X 24" X 3" DEEP LED TROFFER W/ SMOOTH DIFFUSER, 0-10V DIMMABLE DRIVER	3,800	31.6W	120-277V	80 CRI, 4000K	GRID/ LAY-IN	-
A2.1E	SIGNIFY	DAYBRITE FLUXGRID	2FGXG38B840-2-RS-UNV-DIM-BSL10LST	24" X 24" X 3" DEEP LED TROFFER W/ SMOOTH DIFFUSER, 0-10V DIMMABLE DRIVER, INTEGRAL EMERGENCY DRIVER, 1100 LUMENS DELIVERED UNDER EMERGENCY POWER	3,800	31.6W	120-277V	80 CRI, 4000K	GRID/ LAY-IN	-
A3	SIGNIFY	DAYBRITE FLUXGRID	2FGXG48L840-4-RS-UNV-DIM	24" X 48" X 3" DEEP LED TROFFER W/ SMOOTH DIFFUSER, 0-10V DIMMABLE DRIVER	4,800	36W	120-277V	80 CRI, 4000K	GRID/ LAY-IN	-
A3E	SIGNIFY	DAYBRITE FLUXGRID	2FGXG48L840-4-RS-UNV-DIM-BSL10LST	24" X 48" X 3" DEEP LED TROFFER W/ SMOOTH DIFFUSER, 0-10V DIMMABLE DRIVER, INTEGRAL EMERGENCY DRIVER, 1100 LUMENS DELIVERED UNDER EMERGENCY POWER	4,800	36W	120-277V	80 CRI, 4000K	GRID/ LAY-IN	-
B4	SIGNIFY	DAYBRITE FLUX STREAM	FSS440L840-UNV-DIM	2-1/2" X 48" X 3" DEEP LED STRIP, FROSTED ACRYLIC DIFFUSER, 0-10V DIMMABLE DRIVER	4,000	31W	120-277V	80 CRI, 4000K	SURFACE	-
D1	SIGNIFY	LIGHTOLIER SLIM SURFACE	S7R840K10WZ10U	7" DIA X 5/8" H LED SURFACE MOUNT DOWNLIGHT W/ 0-10V DIMMABLE DRIVER, WHITE FINISH, UL LISTED - WET LOCATIONS	1,000	14.4W	120V	80 CRI, 4000K	SURFACE	-
E2	SIGNIFY	CHLORIDE	VLLU2	DUAL HEAD LOW PROFILE EMERGENCY LIGHT W/ SEMI RECESSED FULLY ADJUSTABLE HEADS AND MAINT FREE SEALED 3.6V NICKEL CADMIUM BATTERY, OFF WHITE	-	4W	120-277V	LED	SURFACE	NO REMOTE HEAD CAPABILITY
E4	SIGNIFY	CHLORIDE	VLL2RGO	DUAL OUTDOOR RATED LED REMOTE LAMP HEAD, GRAY, UL LISTED - WET LOCATION	-	2W	3.6 VDC	LED	SURFACE	WIRE VIA NEARBY EXIT SIGN FOR BATTERY BACKUP; AIM LAMP HEADS TO ILLUMINATE PATH OF EGRESS AS SHOWN ON EGRESS PLAN
E5	SIGNIFY	CHLORIDE	VLLCR2R	LOW PROFILE EMERGENCY/EXIT SIGN WITH THERMOPLASTIC HOUSING, 2"D X 12"W X 10"H, SINGLE FACE, 6" RED LETTERS, BATTERY; 90 MINUTE ILLUMINATION	-	4W	120-277V	LED	SURFACE	REMOTE HEAD CAPABLE

FOR EXTERIOR LIGHTING SCHEDULE SEE ES102 1

BASIS OF DESIGN

1. 2017 NATIONAL ELECTRICAL CODE (NFPA 70).
2. 2015 INTERNATIONAL ENERGY CONSERVATION CODE.
3. SERVICE CONDUCTORS MAY BE ALUMINUM ALLOY. ALL OTHER CONDUCTORS SHALL BE COPPER. USE ANTIOXIDANT COMPOUND ON ALL ALLOY CONDUCTORS. 12 AWG COPPER MINIMUM FOR ALL LINE VOLTAGE CONDUCTORS.
4. THE LIGHTING AND APPLIANCE PANEL SHALL BE A SURFACE MOUNTED PANELBOARD OR LOAD CENTER WITH "PLUG ON" BREAKERS.
5. ELECTRICAL BOXES SHALL GENERALLY BE 2-1/8" DEEP 4" SQUARE METAL BOXES. LOW VOLTAGE BOXES SHALL GENERALLY BE 4-11/16" x 2-1/8" METAL BOXES. ALL BOXES SHALL HAVE APPROPRIATE PLASTER RINGS OR COVERS.
6. GENERAL BRANCH CIRCUITING WITHIN THE BUILDING SHALL BE MC CABLE (METAL CLAD CABLE PER NEC ARTICLE 330). EMT AND/OR FLEXIBLE METAL CONDUIT SHALL BE USED AS ALTERNATIVES IN MUNICIPALITIES WHERE MC CABLE IS PROHIBITED. AC, BX, AND NM CABLES SHALL NOT BE USED.
7. ALL CONDUIT "HOME RUNS" WHICH TERMINATE AT THE PANEL SHALL BE 3/4" EMT IF RUN ABOVE SLAB AND 3/4" PVC-40 IF RUN UNDERGROUND UNLESS OTHERWISE NOTED. WHERE THESE "HOME RUN" CONDUITS CARRY MULTIPLE CIRCUITS, THE NEUTRALS ASSOCIATED WITH EACH CIRCUIT SHOULD IDENTIFY THE HOT WIRE IT IS ASSOCIATED WITH.
8. ALL RECEPTACLES SHALL BE 20A, COMMERCIAL GRADE, AND SHALL BE TAMPER RESISTANT. ALL GENERAL USE RECEPTACLE CIRCUITS SHALL BE 20A. GFCI TYPE RECEPTACLES SHALL NOT HAVE OTHER DEVICES CONNECTED TO THEIR LOAD SIDE UNLESS SPECIFICALLY NOTED. ALL RECEPTACLES SHOWN TO BE WEATHERPROOF SHALL BE LISTED AS WEATHER RESISTANT AND SHALL BE FITTED WITH WEATHERPROOF-WHILE-IN-USE COVERS.
9. ALL 120V SWITCHES SHALL BE COMMERCIAL GRADE. ALL DEVICE FACE PLATES SHALL BE NYLON. DEVICES SHALL NOT BE DECORA STYLE.
10. ALL PRODUCTS SHALL BE LISTED BY A NATIONALLY RECOGNIZED TESTING AGENCY.
11. TARGET ILLUMINATION LEVELS, UNLESS SPECIFIED OTHERWISE BY THE LOCAL AUTHORITY, HAVE BEEN DESIGNED TO MEET THE FOLLOWING FOOT-CANDLE AVERAGES:
    PLATFORM: 60 FC
    SEATING AREAS: 40 FC
    LOBBY: 20 FC
    RESTROOMS @ SINK AREA: 20 FC
    RESTROOMS @ TOILETS/URINALS: 15 FC
    UTILITY ROOM: 25 FC
    EXTERIOR @ MAIN ENTRY: 5 FC

    EMERGENCY LIGHTING SHALL NOT BE LESS THAN AN AVERAGE OF 1 FOOTCANDLE AND A MINIMUM AT ANY POINT OF 0.1 FOOTCANDLE MEASURED ALONG THE PATH OF EGRESS AT FLOOR LEVEL.
12. EXTERIOR WALL PACKS & SIGN LIGHTING
    OPERATION:
    ON: DUSK VIA PHOTOCELL
    OFF: DAWN VIA PHOTOCELL
    NOTE: IF THE LOCAL AUTHORITY RESTRICTS DUSK TO DAWN OPERATION OR COMMUNITY COMPLAINS, PROVIDE 24-HOUR TIMER FOR CONTROL.

    SITE LIGHTING:
    OPERATION:
    ON: DUSK VIA PHOTOCELL
    OFF: DETERMINED BY LOCAL BOE VIA TIMECLOCK

    NOTE: ALL EXTERIOR LIGHTING SHALL BE FULL CUT OFF; SEE DETAIL 1/E-601 FOR WIRING DIAGRAM

SYMBOLS LEGEND

- CONDUIT UP/DOWN
- CONDUIT CONNECT
- HOME RUN ARROW
- J-BOX
- CONCEALED CIRCUIT
- BELOW GRADE CIRCUIT
- EXPOSED OR SURFACE CONDUIT
- A — TYPE INDICATOR
- 2x2 RECESSED TROFFER
- DOWN LIGHT - SURFACE MOUNTED
- LED STRIP FIXTURE
- DUAL-HEAD EMERGENCY LIGHT
- EXIT/EMERGENCY LIGHT COMBO
- DUAL REMOTE MOUNTED LAMP HEADS
- ROOM OCCUPANCY SENSOR
- WALL MOUNTED LIGHT
- PHOTOCELL
- TC — TIME CLOCK
- PARKING LOT POLE WITH FIXTURE
- SIGN FLOOD LIGHT
- S — SINGLE POLE LIGHT SWITCH
- S_a — SINGLE POLE LIGHT SWITCH WITH SWITCH LEG DESIGNATION
- S_L — LOW-VOLTAGE MOMENTARY SWITCH
- S_T — SINGLE POLE TIMER SWITCH
- DUPLEX RECEPTACLE
- DUPLEX RECEPTACLE IN FLOOR BOX
- QUAD RECEPTACLE
- GFCI RECEPTACLE
- SPECIAL PURPOSE RECEPTACLE
- SURFACE MOUNTED PANEL
- MOTOR
- NON-FUSED DISCONNECT
- LIGHTING CONTACTOR
- SP — SURGE PROTECTOR
- M — FLOOR MOUNTED MICROPHONE OUTLET
- HM — WALL MOUNTED MICROPHONE OUTLET
- VC — VOLUME CONTROL WALL MOUNTED
- S — SDI JACK
- TELEPHONE JACK
- TELEPHONE/DATA JACK
- SK — SECURITY KEYPAD
- DATA JACK
- CO — WALL MOUNTED CARBON MONOXIDE ALARM
- SPEAKER
- WiFi ACCESS POINT
- R — ENCLOSED RELAY
- PP — POWER PACK
- E — LOCAL EQUIPMENT RACK LOCATION
- C — PTZ CAMERA
- WASH LIGHT (CONTROLLED BY COMPUTER)

DRAWING INDEX

E-001 GENERAL NOTES
E-101 LIGHTING PLAN - NORTH
E-102 LIGHTING PLAN - SOUTH
E-103 POWER AND LOW VOLTAGE PLAN
E-601 SCHEDULES, ONE-LINE RISER AND DETAILS
E-602 AUDIO, VIDEO AND DATA WIRING DIAGRAMS-NORTH OR 'A' SIDE
E-603 AUDIO, VIDEO AND DATA WIRING DIAGRAMS-SOUTH OR 'B' SIDE
ES101 ELECTRICAL SITE PLAN
ES102 ELECTRICAL SITE PHOTOMETRIC PLAN 1

GENERAL NOTES

1. THE CONTRACTOR SHALL PROVIDE A GREEN INSULATED EQUIPMENT GROUNDING CONDUCTOR WITHIN ALL POWER & LIGHTING CONDUITS ON THIS PROJECT. SIZE THE CONDUCTOR AS NOTED OR PER NEC WHERE NOT NOTED. THIS GROUNDING CONDUCTOR SHALL BE PROVIDED REGARDLESS OF THE TYPE OF CONDUIT BEING USED.
2. NEUTRAL CONDUCTORS FOR INDIVIDUAL BRANCH CIRCUITS SHOULD PREFERABLY INCLUDE A COLOR STRIPE MATCHING THE PHASE CONDUCTOR THE NEUTRAL CONDUCTOR IS ASSOCIATED WITH.
3. CONNECT ALL EMERGENCY UNIT LIGHTING EQUIPMENT TO THE UNSWITCHED LEG OF THE LIGHTING CIRCUIT FEEDING THE AREA.
4. LIGHTING FIXTURES SHALL BE AS SCHEDULED WITHOUT SUBSTITUTIONS. IF SUBSTITUTIONS ARE REQUIRED IN ORDER TO MEET LOCAL CODES OR REQUIREMENTS, SUBMIT CUT SHEETS OF THE PROPOSED ALTERNATE FIXTURES AND LAMPS TO THE ENGINEER FOR EVALUATION PRIOR TO PURCHASING THE FIXTURES.
5. FAULT CURRENT AT THE SERVICE EQUIPMENT IS ASSUMED TO BE 15,000 AMPS OR LESS. NOTIFY DESIGNER IF THE UTILITY INDICATES THAT THE FAULT CURRENT WILL BE GREATER THAN 15,000 AMPS. THE ACTUAL FAULT CURRENT SHALL BE CALCULATED AT THE TIME OF CONSTRUCTION AND FIELD MARKED ALONG WITH THE DATE OF CALCULATION ON THE MAIN PANEL WITH A PERMANENT LABEL 2" X 3" WITH BLUE LETTERS ON A CONTRASTING BACKGROUND.
6. RECEPTACLES SHALL BE MOUNTED AT +18" AFF TO CENTER UNLESS OTHERWISE NOTED. LIGHT SWITCHES SHALL BE MOUNTED AT +46" AFF TO CENTER UNLESS OTHERWISE NOTED.
7. THE ELECTRICAL CONTRACTOR SHALL PROVIDE LOW VOLTAGE ROUGH-IN LOCATIONS AS SHOWN IN DETAIL 2/E-601 FOR EACH MICROPHONE JACK, SPEAKER VOLUME CONTROL, THERMOSTAT, HVAC REMOTE SENSOR, DATA JACK, TELEPHONE JACK AND SECURITY KEYPAD LOCATIONS SHOWN IN THESE DOCUMENTS. REFER TO DRAWINGS OF OTHER TRADES FOR THE LOCATIONS OF THESE DEVICES.

ABBREVIATIONS

A	AMPS OR AMPERES
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM (IN REFERENCE TO CONDUCTORS)
AWG	AMERICAN WIRE GAUGE
C	CONDUIT
CT	CURRENT TRANSFORMER
CKT	CIRCUIT
CU	COPPER (IN REFERENCE TO CONDUCTORS)
DBL	DOUBLE
EA	EACH
EG	EGRESS
EM	EMERGENCY
EMT	ELECTRICAL METALLIC CONDUIT
ETR	EXISTING TO REMAIN
fc	FOOT-CANDLE
GND	GROUND
GFI	GROUND FAULT INTERRUPTER
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
IMC	INTERMEDIATE METAL CONDUIT
J-BOX	JUNCTION BOX
KCMIL	THOUSANDS of CIRCULAR MILS (ALSO MCM)
LFMC	LIQUIDTIGHT FLEXIBLE METAL CONDUIT
LTS	LIGHTS
MC	METAL CLAD CABLE
N/A	NOT APPLICABLE
OCC	OCCUPANCY SENSOR
PVC	POLYVINYL CHLORIDE
QUAD	QUADPLEX RECEPTACLE
RECP	RECEPTACLE
RMC	RIGID METAL CONDUIT
AHU	ROOF TOP UNIT
SK	SECURITY KEYPAD
TR	TAMPER RESISTANT
TYP	TYPICAL
V	VOLTS OR VOLTAGE
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
WP	WEATHERPROOF
WR	WEATHER RESISTANT

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SHEET TITLE:
GENERAL NOTES

PROJECT No.
20941

SHEET No.
E-001

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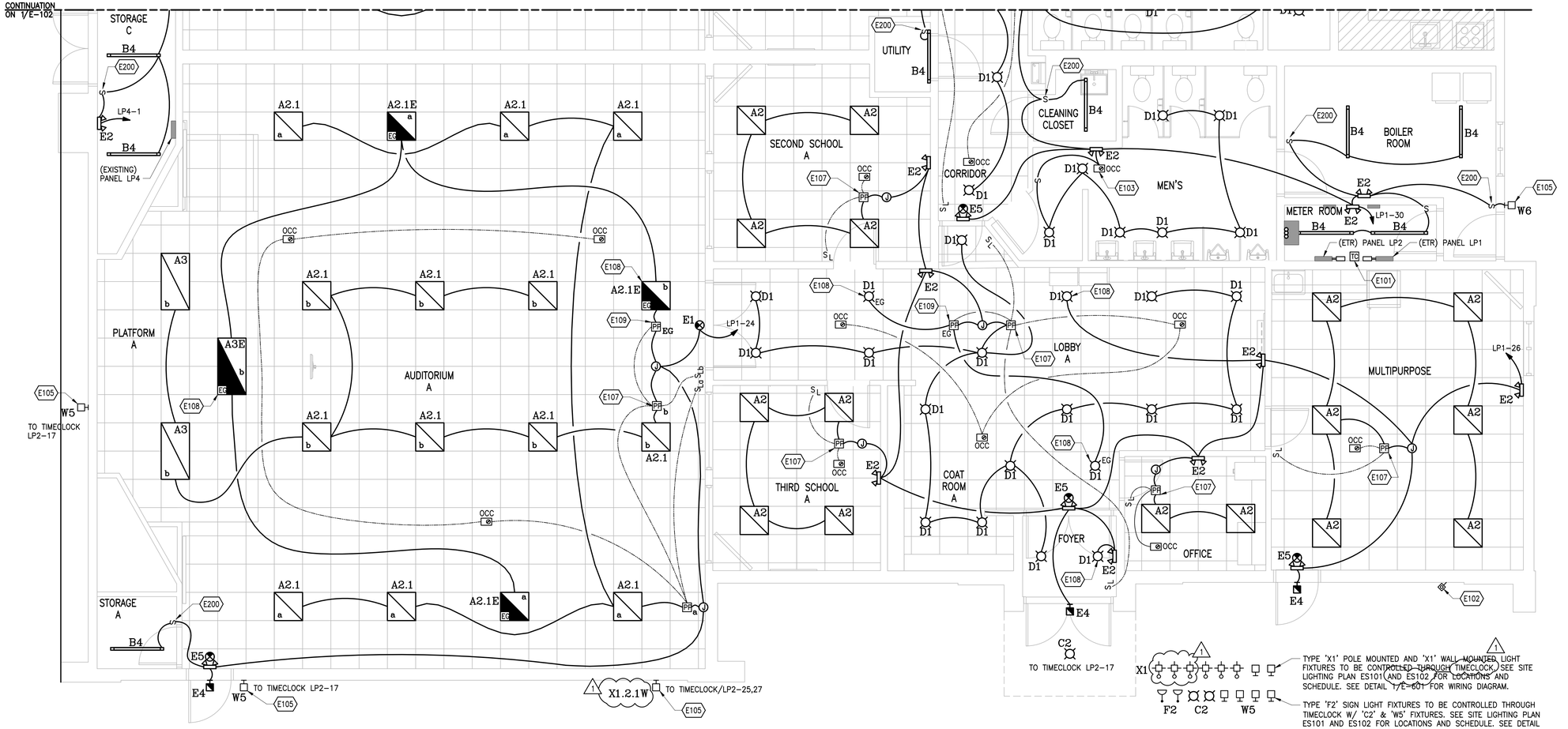
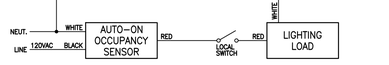


1 LIGHTING PLAN – NORTH

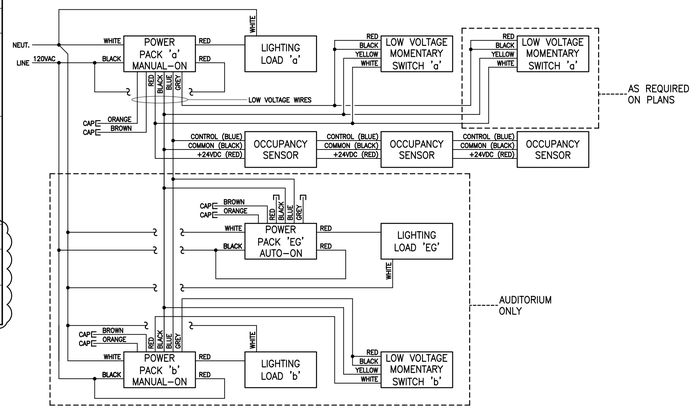
1/4"=1'-0"
0" 2'-0" 4'-0" 8'-0"

LIGHTING CONTROLS OPERATION	
AREA	DESCRIPTION
RESTROOMS	THE FIXTURES SHALL BE AUTO-ON, AUTO-OFF AND BE OVERRIDABLE BY THE LOCAL TOGGLE SWITCH.
SCHOOL ROOMS	THE FIXTURES SHALL BE MANUAL-ON, AUTO-OFF AND BE OVERRIDABLE BY THE MOMENTARY CONTACT SWITCH.
AUDITORIUM	THE 'a' AND 'b' ROWS OF FIXTURES SHALL BE MANUAL-ON, AUTO-OFF AND BE OVERRIDABLE BY THE MOMENTARY CONTACT LOW VOLTAGE SWITCHES. THE 'EG' FIXTURES SHALL BE AUTO-ON, AUTO-OFF AND HAVE NO LOCAL OVERRIDE. ALL OCCUPANCY SENSORS IN THE AUDITORIUM SHALL CONTROL ALL FIXTURES IN THE AUDITORIUM.
LOBBY	THE 'a' FIXTURES SHALL BE AUTO-ON, AUTO-OFF AND BE OVERRIDABLE BY THE MOMENTARY CONTACT SWITCH. THE 'EG' FIXTURES SHALL BE AUTO-ON, AUTO-OFF AND HAVE NO LOCAL OVERRIDE. ALL OCCUPANCY SENSORS IN THE LOBBY SHALL CONTROL ALL FIXTURES IN LOBBY, WITH THE EXCEPTION OF THE (2) FIXTURES LOCATED OVER THE LITERATURE KIOSK, WHICH SHALL OPERATE 24/7 WITH NO OVERRIDE. SEE ~~SHEET KEYNOTE E108~~.
1 EXTERIOR: MONUMENT SIGN	THE FIXTURES SHALL BE CONTROLLED BY PHOTOCELL FOR DUSK-TO-DAWN OPERATION.
EXTERIOR: BUILDING-MOUNTED WALLPACKS	THE FIXTURES SHALL BE CONTROLLED BY PHOTOCELL FOR DUSK-TO-DAWN OPERATION.
EXTERIOR: POLE OR BUILDING-MOUNTED FIXTURES	THE FIXTURES SHALL BE CONTROLLED BY PROGRAMMED SCHEDULE VIA 7-DAY ASTRONOMIC TIME CLOCK ACCORDING TO WEEKLY MEETING/ACTIVITY TIMES.



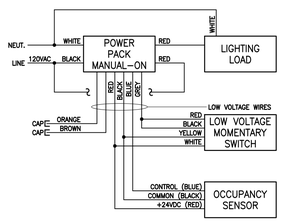
2 RESTROOM LIGHTING CONTROLS WIRING DIAGRAM

NOT TO SCALE



3 AUDITORIUM/LOBBY LIGHTING CONTROLS WIRING DIAGRAM

NOT TO SCALE



4 SCHOOL ROOMS/MULTIPURPOSE LIGHTING CONTROLS WIRING DIAGRAM

NOT TO SCALE

SHEET KEYNOTES

E101 PROVIDE A DIGITAL TIME CLOCK AS SHOWN IN DETAIL 1/E-601. POWER THE TIME CLOCK FROM THE LINE SIDE OF CIRCUIT LP2-17.

E102 ROUTE CIRCUIT LP2-17 THRU THE TIMECLOCK SO THAT EXTERIOR LIGHT FIXTURES TYPE "C1", "W2", "X1.1" & "X2" OPERATE DUSK TO DAWN; FIELD REP TO VERIFY ANY LOCAL RESTRICTIONS. SEE DETAIL 1/E-601 FOR WIRING DIAGRAM.

E103 PROVIDE A LINE VOLTAGE, DUAL-TECHNOLOGY OCCUPANCY SENSOR FOR CONTROL OF LIGHTING FIXTURES. SEE DETAIL 2/E-101 FOR WIRING DIAGRAM.

E105 REFER TO LIGHT FIXTURE SCHEDULE (1/ES102) FOR MOUNTING HEIGHT.

E107 SET POWER PACK TO VACANCY (MANUAL) OR OCCUPANCY (AUTO) MODE AS INDICATED ON DETAIL. USE WITH INDICATED LOW VOLTAGE MOMENTARY CONTACT WALL SWITCH. ROUTE UNSWITCHED LIGHTING CIRCUIT VIA POWER PACK AND THEN TO LIGHTING FIXTURES. UTILIZE MANUFACTURER RECOMMENDED LOW VOLTAGE CABLING FOR CONNECTING POWER PACK TO OCCUPANCY SENSOR(S) AND LOW VOLTAGE SWITCH. SEE DETAIL 4/E-101 FOR MEETING AND MULTIPURPOSE ROOM WIRING DIAGRAM AND DETAIL 3/E-101 FOR AUDITORIUM AND LOBBY WIRING DIAGRAM.

E108 NOTE THAT THIS FIXTURE IS INTENTIONALLY WIRED WITH NO MANUAL CONTROL TO MEET BUILDING CODE NORMAL POWER EGRESS REQUIREMENTS. FIXTURE EITHER OPERATES 24/7 OR IS CONTROLLED BY OCCUPANCY SENSOR ONLY AS INDICATED.

E109 SET POWER PACK TO OCCUPANCY (AUTO) MODE AS INDICATED ON DETAIL. ROUTE UNSWITCHED LIGHTING CIRCUIT VIA POWER PACK AND THEN TO LIGHTING FIXTURES. UTILIZE MANUFACTURER RECOMMENDED LOW VOLTAGE CABLING FOR CONNECTING POWER PACK TO OCCUPANCY SENSOR(S). SEE DETAIL 3/E-101 FOR WIRING DIAGRAM.

E200 REPLACE EXISTING DEVICE AND WALL PLATE TO MATCH NEW COLOR

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SHEET TITLE:
LIGHTING PLAN NORTH

PROJECT No.
20941

SHEET No.
E-101

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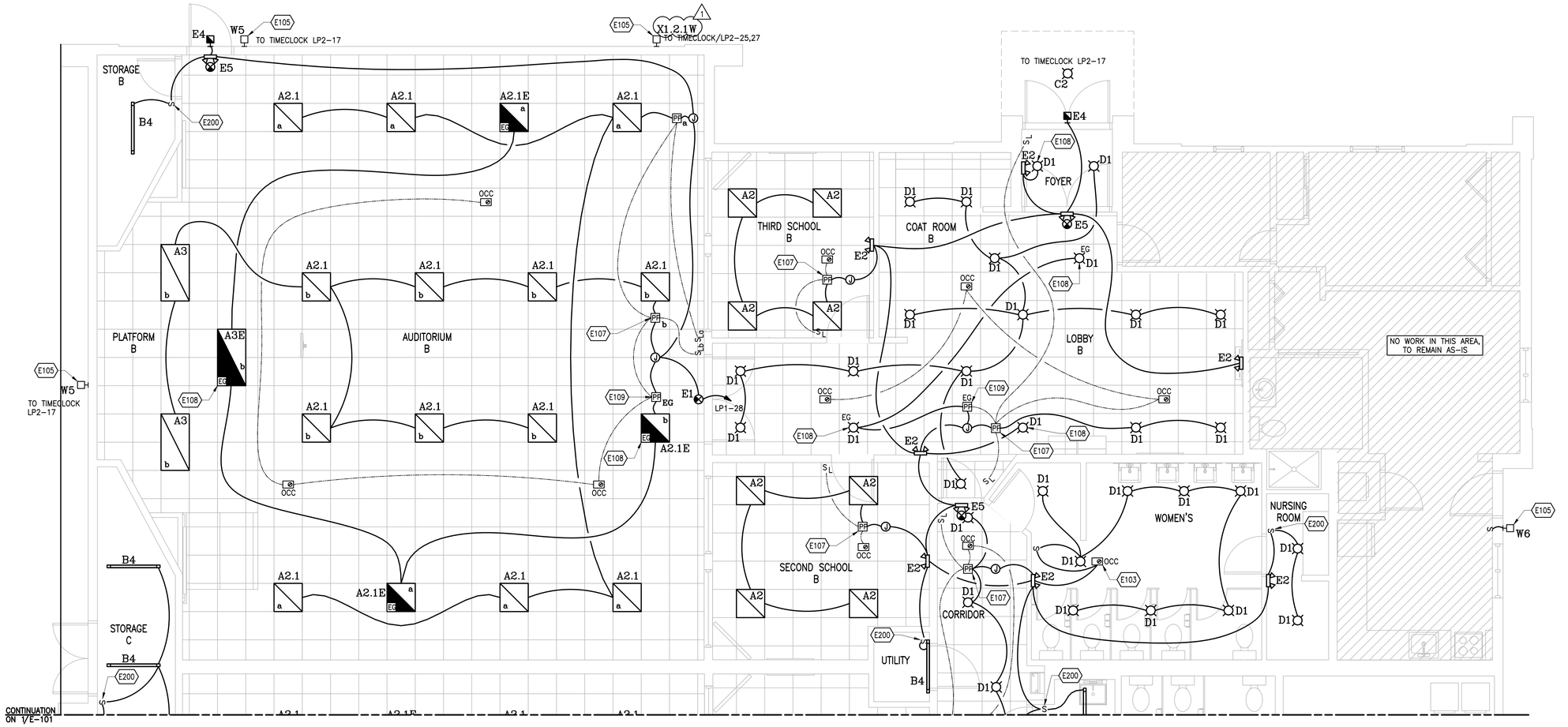

1 LIGHTING PLAN – SOUTH

1/4"=1'-0"

0" 2'-0" 4'-0" 8'-0"

SHEET KEYNOTES

E101 PROVIDE A DIGITAL TIME CLOCK AS SHOWN IN DETAIL 1/E-601. POWER THE TIME CLOCK FROM THE LINE SIDE OF CIRCUIT LP2-17.

E102 ROUTE CIRCUIT LP2-17 THRU THE TIMECLOCK SO THAT EXTERIOR LIGHT FIXTURES TYPE "C1", "W2", "X1.1" & "X2" OPERATE DUSK TO DAWN; FIELD REP TO VERIFY ANY LOCAL RESTRICTIONS. SEE DETAIL 1/E-601 FOR WIRING DIAGRAM.

E103 PROVIDE A LINE VOLTAGE, DUAL-TECHNOLOGY OCCUPANCY SENSOR FOR CONTROL OF LIGHTING FIXTURES. SEE DETAIL 2/E-101 FOR WIRING DIAGRAM.

E105 REFER TO LIGHT FIXTURE SCHEDULE /1\ ES102 FOR MOUNTING HEIGHT.

E107 SET POWER PACK TO VACANCY (MANUAL) OR OCCUPANCY (AUTO) MODE AS INDICATED ON DETAIL. USE WITH INDICATED LOW VOLTAGE MOMENTARY CONTACT WALL SWITCH. ROUTE UNSWITCHED LIGHTING CIRCUIT VIA POWER PACK AND THEN TO LIGHTING FIXTURES. UTILIZE MANUFACTURER RECOMMENDED LOW VOLTAGE CABLING FOR CONNECTING POWER PACK TO OCCUPANCY SENSOR(S) AND LOW VOLTAGE SWITCH. SEE DETAIL 4/E-101 FOR MEETING AND MULTIPURPOSE ROOM WIRING DIAGRAM AND DETAIL 3/E-101 FOR AUDITORIUM AND LOBBY WIRING DIAGRAM.

E108 NOTE THAT THIS FIXTURE IS INTENTIONALLY WIRED WITH NO MANUAL CONTROL TO MEET BUILDING CODE NORMAL POWER EGRESS REQUIREMENTS. FIXTURE EITHER OPERATES 24/7 OR IS CONTROLLED BY OCCUPANCY SENSOR ONLY AS INDICATED.

E109 SET POWER PACK TO OCCUPANCY (AUTO) MODE AS INDICATED ON DETAIL. ROUTE UNSWITCHED LIGHTING CIRCUIT VIA POWER PACK AND THEN TO LIGHTING FIXTURES. UTILIZE MANUFACTURER RECOMMENDED LOW VOLTAGE CABLING FOR CONNECTING POWER PACK TO OCCUPANCY SENSOR(S). SEE DETAIL 3/E-101 FOR WIRING DIAGRAM.

E200 REPLACE EXISTING DEVICE AND WALL PLATE TO MATCH NEW COLOR

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SHEET TITLE:
LIGHTING PLAN SOUTH

PROJECT No.
20941

SHEET No.
E-102

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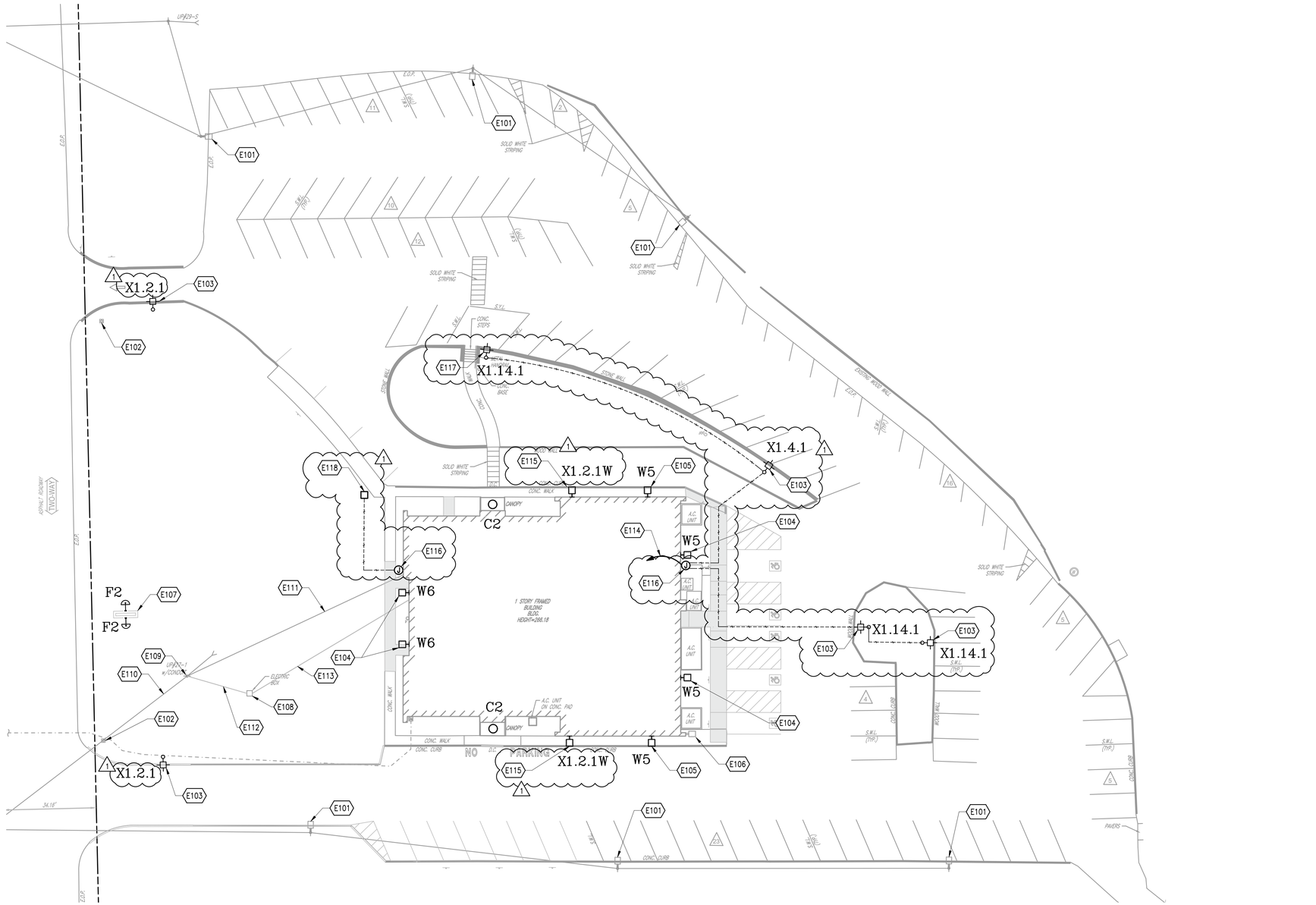

1 ELECTRICAL SITE PLAN

1"=20'

0 10' 20' 40'

GENERAL LIGHTING NOTES

1. REFER TO CS101 COVER SHEET FOR GENERAL NOTES REFERENCING SURVEY INFORMATION, DATUMS, GENERAL PROJECT AND CONSTRUCTION INFORMATION.
2. CONTRACTOR TO COORDINATE THE INSTALLATION OF UNDERGROUND CONDUIT AND WIRING FOR EXTERIOR LIGHTING WITH EXISTING AND PROPOSED UTILITIES, SITE DRAINAGE SYSTEMS, AND PAVING.
3. CONTRACTOR TO COORDINATE ALL INSTALLATION OF WALL MOUNTED FIXTURES AND ELECTRICAL CONNECTIONS TO SITE STRUCTURES WITH BUILDING ARCHITECT, MEP AND OWNER.
4. CONTRACTOR TO OPERATE EACH LUMINAIRE AFTER INSTALLATION AND CONNECTION TO VERIFY PROPER OPERATION AND CONTROL SEQUENCE.
5. SITE CONTRACTOR SHALL EXAMINE AND VERIFY THAT SOIL CONDITIONS ARE SUITABLE TO SUPPORT LOADS EXERTED UPON FOUNDATIONS DURING EXCAVATION. CONTRACTOR SHALL NOTIFY ENGINEER OF UNSATISFACTORY CONDITIONS.
6. POLE FOUNDATIONS SHALL NOT BE POURED IF FREE-STANDING WATER IS PRESENT IN THE EXCAVATED AREA.

SHEET KEYNOTES

E101 EXISTING PARKING LOT LIGHTING PROVIDED BY UTILITY COMPANY TO REMAIN AS-IS.

E102 REMOVE EXISTING LIGHT FIXTURE, POLE AND STONE COLUMN. REROUTE WIRE AND CONDUIT TO NEW LIGHT FIXTURE LOCATION.

E103 INSTALL NEW LIGHT FIXTURE, POLE AND POLE FOUNDATION.

E104 INSTALL NEW LIGHT FIXTURE ON EXISTING JUNCTION BOX.

E105 RAISE JUNCTION BOX TO 9'-0" AFF TO INSTALL NEW LIGHT FIXTURE.

E106 REMOVE EXISTING LIGHT FIXTURE, CONDUIT AND WIRE.

E107 EXTEND FEED FROM EXISTING MONUMENT SIGN LOCATION TO NEW MONUMENT SIGN. SEE C-501 FOR LIGHT FIXTURE MOUNTING AND OTHER DETAILS.

E108 EXISTING ELECTRIC METER AND NEMA 3R PANEL (LP3).

E109 EXISTING UTILITY POLE TO REMAIN.

E110 EXISTING OVERHEAD UTILITY LINES TO REMAIN.

E111 EXISTING OVERHEAD CABLE/INTERNET TO REMAIN.

E112 EXISTING UNDERGROUND SERVICE LATERAL TO REMAIN.

E113 EXISTING UNDERGROUND SERVICE FEEDERS TO REMAIN (EXACT ROUTE UNKNOWN).

E114 CONNECT TO TIMECLOCK/LP2-25,27, USE EXISTING CIRCUIT WIRE SIZE, MINIMUM 2 #12 & 1 #12 GND, UNDERGROUND PORTION TO BE IN ¾" PVC CONDUIT.

E115 DEMOLISH EXISTING LIGHTING FIXTURE AT 20'-0" AND INSTALL NEW AT 15'-0" AFF.

E116 NEW JUNCTION BOX ON EXTERIOR WALL.

E117 COORDINATE LENGTH OF EXPOSED CONCRETE BASE TO MOUNT LIGHTING FIXTURE AT 15'-0" AFF.

E118 PROVIDE 3/4" SPARE CONDUIT WITH PULL STRING AND 6"X6" UNDERGROUND JUNCTION BOX FOR FUTURE PROVISION.

SYMBOLS LEGEND

LIGHT POLE (1-LIGHT)

WALL MOUNTED LIGHT

SIGN FLOODLIGHT

UTILITY POLE

UNDERGROUND ELECTRIC LINE

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ELECTRICAL SITE PLAN

PROJECT No.
20941

SHEET No.
ES101

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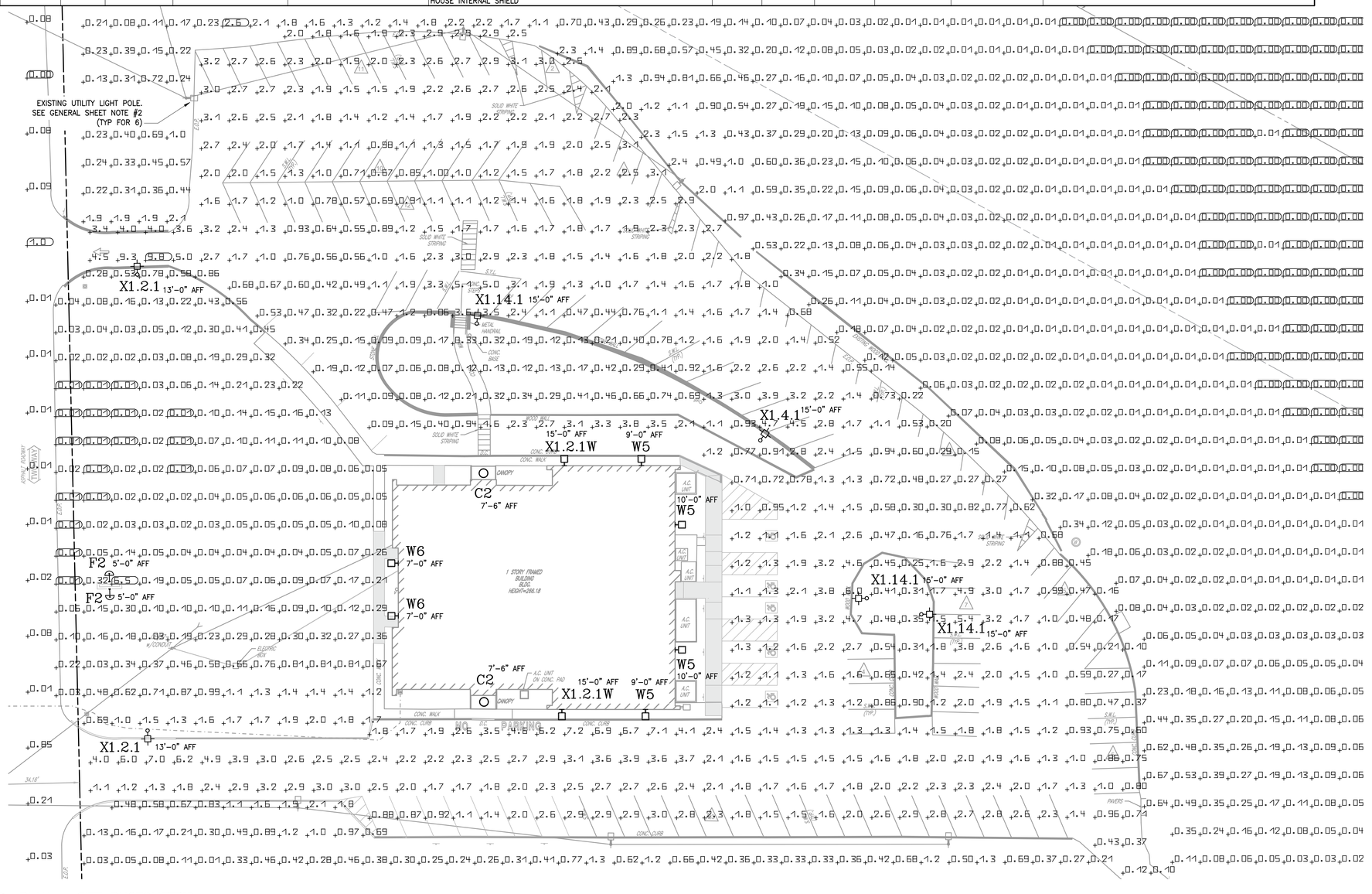
265000 EXTERIOR LIGHTING SCHEDULE

LABEL	SYMBOL	QTY	MFR	SERIES	MODEL	DESCRIPTION	LUMENS	LOAD	VOLTAGE	LAMP	MOUNT	COMMENTS
C2	○	2	SIGNIFY	LIGHTOLIER – CALCULITE LED GEN 3	FRAME: C7RN ENGINE: C6L15840WZ10U TRIM: C7RDLWCL	7" DIA X 6-7/8" DEEP LED DOWNLIGHT W/ 0-10V DIMMABLE DRIVER , 72 DEGREE WIDE BEAM SPREAD AND CLEAR REFLECTOR W/ WHITE FLANGE, WET LOCATION	1,500	15W	120/ 277/ 347V	4000K	RECESSED	
F2	⊢D	2	RAB LIGHTING	L-PACK	WPLED10N	SIGN/WALL PACK	1,208	10W	120-277V	80 CRI, 4000K	WALL MOUNT WITH ARM – 26"L X 1" TUBE	MOUNTING ARM – RAB LIGHTING #ARMSV24
W5	⊢□	4	PHILIPS	STONCO LYTEPRO	LPW16-20-NW-G3-4-UNV-BZ	12"W X 4.6"H X 5.7"D, MEDIUM WALL SCONCE GENERATION 3, 16 LEDS, TYPE 4 DISTRIBUTION, BRONZE	2,242	20W	120-277V	70 CRI, 4000K	SURFACE	MOUNT TO EXISTING BOX, UNLESS OTHERWISE NOTED
W6	⊢□	2	LOCALLY SOURCED – RESIDENTIAL FIXTURE, LED (4000K), DARK BRONZE, BUILT-IN PHOTOCELL/MOTION SENSOR CONTROLLED								SURFACE	MOUNT TO EXISTING BOX
X1.2.1	○⊢	2	SIGNIFY GARDCO	GARDCO ECO-FORM GEN. 2	ECF-S-32L-530-WW-G2-AR-2-UNV-BL-IMR13-HIS-BZ	14.9"W X 27.5"L X 5"D, 32 LEDS, 530MA, TYPE 2 OPTICS, COMPACT LOW PROFILE LED, ONE PIECE DIE CAST ALUMINUM HOUSING W/ INTEGRAL ARM, SEPARATE SELF-RETAINED HINGED ONE PIECE DOOR FRAME, BRONZE, MOTION SENSING DIMMING CONTROL FOR BI-LEVEL DIMMING CONTROL, HOUSE INTERNAL SHIELD	5,500	56W	120-277V	70 CRI, 3000K	POLE/ARM	POLE: VISIONAIRE LIGHTING: SNTS HEIGHT: 10' DRILLING PATTERN: QD
X1.2.1W	⊢□	2	SIGNIFY GARDCO	GARDCO ECO-FORM GEN. 2	ECF-S-32L-530-WW-G2-WS-2-UNV-BL-IMR13-HIS-BZ	14.9"W X 27.5"L X 5"D, 32 LEDS, 530MA, TYPE 2 OPTICS, COMPACT LOW PROFILE LED, ONE PIECE DIE CAST ALUMINUM HOUSING W/ INTEGRAL ARM, SEPARATE SELF-RETAINED HINGED ONE PIECE DOOR FRAME, BRONZE, MOTION SENSING DIMMING CONTROL FOR BI-LEVEL DIMMING CONTROL, HOUSE INTERNAL SHIELD	5,500	56W	120-277V	70 CRI, 3000K	SURFACE	WS – WALL MOUNT MUST BE ORDERED SEPARATELY
X1.4.1	○⊢	1	SIGNIFY GARDCO	GARDCO ECO-FORM GEN. 2	ECF-S-32L-530-WW-G2-AR-3-UNV-BL-IMR13-HIS-BZ	14.9"W X 27.5"L X 5"D, 32 LEDS, 530MA, TYPE 3 OPTICS, COMPACT LOW PROFILE LED, ONE PIECE DIE CAST ALUMINUM HOUSING W/ INTEGRAL ARM, SEPARATE SELF-RETAINED HINGED ONE PIECE DOOR FRAME, BRONZE, MOTION SENSING DIMMING CONTROL FOR BI-LEVEL DIMMING CONTROL, HOUSE INTERNAL SHIELD	5,600	56W	120-277V	70 CRI, 3000K	POLE/ARM	POLE: VISIONAIRE LIGHTING SNTS HEIGHT: 12' DRILLING PATTERN: QD
X1.14.1	○⊢	3	SIGNIFY GARDCO	GARDCO ECO-FORM GEN. 2	ECF-S-32L-700-WW-G2-AR-4-UNV-BL-IMR13-HIS-BZ	14.9"W X 27.5"L X 5"D, 48 LEDS, 700MA, TYPE 4 OPTICS, COMPACT LOW PROFILE LED, ONE PIECE DIE CAST ALUMINUM HOUSING W/ INTEGRAL ARM, SEPARATE SELF-RETAINED HINGED ONE PIECE DOOR FRAME, BRONZE, MOTION SENSING DIMMING CONTROL FOR BI-LEVEL DIMMING CONTROL, HOUSE INTERNAL SHIELD	7,400	73W	120-277V	70 CRI, 3000K	POLE/ARM	POLE: VISIONAIRE LIGHTING SNTS HEIGHT: 12' DRILLING PATTERN: QD



1 PLAN – SITE PHOTOMETRIC

1"=20'
0 10' 20' 40'

GENERAL LIGHTING NOTES

1. THE SITE LIGHTING DESIGN IS BASED ON A NATIONAL STANDARD USED BY JWCS, INC. NO SUBSTITUTIONS ARE PERMITTED UNLESS WRITTEN APPROVAL IS OBTAINED.
2. EXISTING UTILITY LIGHT POLES MOUNTED 30'-0" AFF ARE SIMULATED WITH COOPER GAN GALLEON AREA/ROADWAY LUMINAIRE WITH TYPE 2 DISTRIBUTION, RATED FOR 14,190 LUMENS AND 3000K (GAN-SA2D-730-U-T2).

LIGHTING STATISTICS (AVG)		
DESCRIPTION	WITH UTILITY LIGHT	WITHOUT UTILITY LIGHT
PARKING LOT	1.76 fc	0.80 fc
WALKWAY	3.67 fc	3.28 fc

ELECTRICAL ENGINEER
WOOIN JUNG, PE
22 OLD PARK LANE RD
NEW MILFORD, CT 06776
(203) 814-0300
wooin.jung@gmail.com

STATE OF NEW YORK · WOOIN JUNG · 097956 · LICENSED PROFESSIONAL ENGINEER

CONSULTANT:

– 26 OCT 24 AFP

MARK: DATE: DESCRIPTION:

OWNER:
HOPEWELL CONGREGATION OF JEHOVAH'S WITNESSES
383 All Angels Hill Road
Hopewell Junction, NY 12590

PROJECT TITLE:
HOPEWELL JUNCTION KINGDOM HALL
383 All Angels Hill Rd
Hopewell Junction, NY

SHEET TITLE:
ELECTRICAL SITE PHOTOMETRIC PLAN

PROJECT No.
20941

SHEET No.
ES102

IMAGE: IMAGE: IMAGE: IMAGE: IMAGE: IMAGE:
XREF: XREF: XREF: XREF: XREF: XREF: XREF: XREF: XREF: XREF:
PLOTTED BY: DSON\DRFTL
PLOT DATE: DIMSCALE: 20.00
FILE PATH: C:\Users\wyxos\Watchtower\USA6187 - 383 All Angels Hill Rd, Hopewell Junction, NY - Design\20941 - NY Hopewell Junction\CAD\09 Documents\CAD\20941_ES102_Elec_Site_Plan.dwg